



**KEEPS YOU GOING**

# **HYDRAULIC PARTS & ACCESSORIES**

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# KEEPS YOU GOING.

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worldwide



67 nationalities  
57 spoken languages



90 branches  
worldwide



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680 makes



> 47 000 000 known  
references



> 930 000 different  
stock items



> 7250  
suppliers



> 100 000  
active customers  
in 182 countries



1600 m euro  
consolidated turnover  
(2022)



> 27 000 orders per day  
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per day



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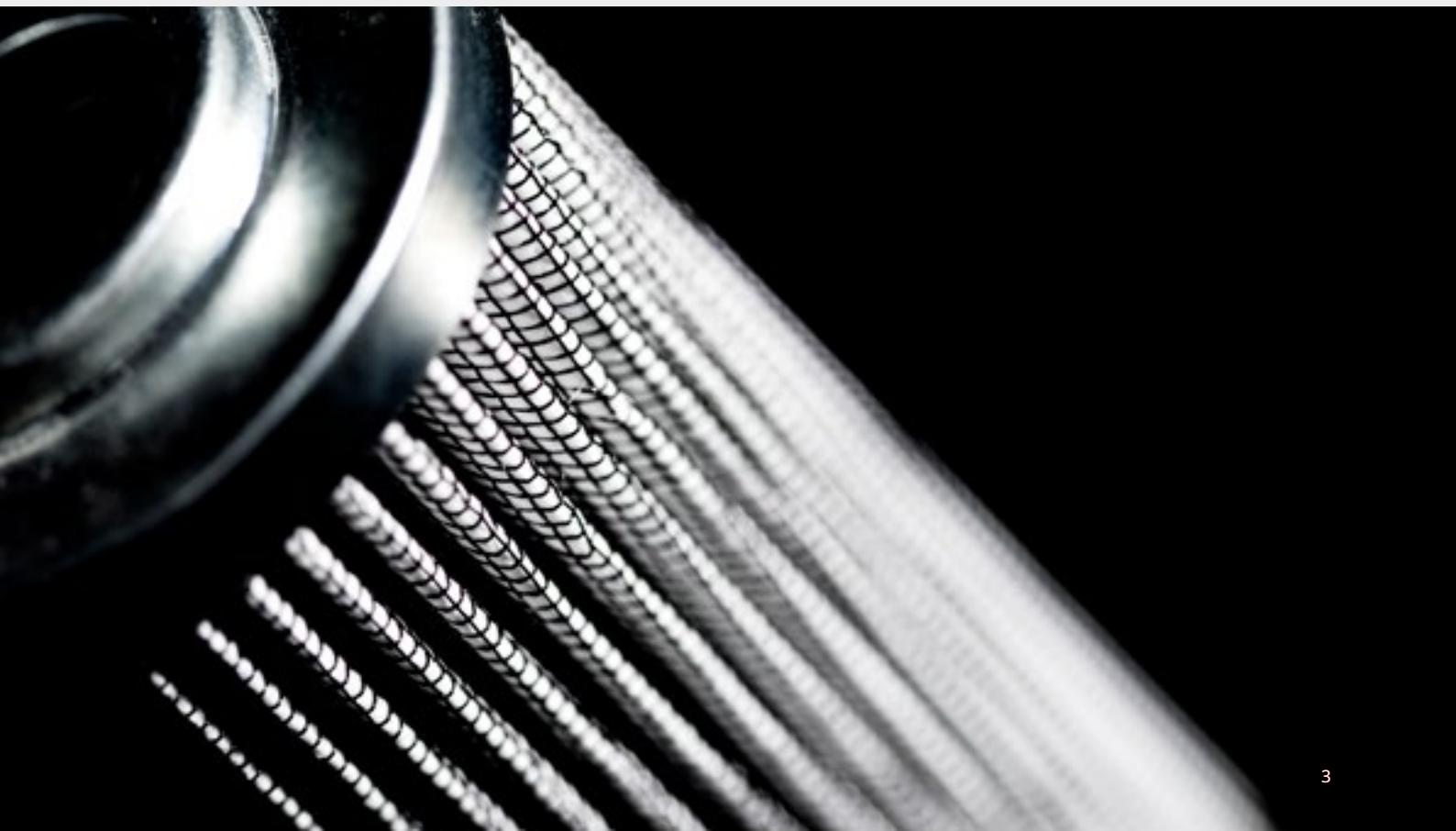
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*01.*

**NICE TO KNOW**

We understand that the success of our company only exists if we are a trusted source of products and services which help you to be successful.

That's why TVH has partnerships with top quality brands.

For all our brands and dealerships, please visit our website: <https://www.tvh.com/parts/get-inspired/our-brands-partnerships>

## REXROTH

TVH is a Rexroth Distributor Partner for the BeLux market.



### ABOUT REXROTH

Rexroth is a leading specialist in the field of drive and control technologies. It develops innovative concepts for machine manufacturers all over the world. **The Rexroth brand is owned by the Bosch group, which was founded in 1795 and has since grown into one of the world's most relied upon suppliers of hydraulic and electronic components.** The Rexroth range of hydraulic parts includes hydraulic pumps, motors, valves, and much more.

### WHY CHOOSE REXROTH ?

As a market leader in lift truck parts, TVH has an extensive stock of Rexroth equipment, which is frequently used in this market segment. The advantage is that these are all genuine parts, so available worldwide with a very short lead time. This guarantees that you can always order the correct components - which meet the original quality requirements of the manufacturer - and receive them on-site quickly, even those for older vehicles.

## DANFOSS

TVH is a Danfoss Power Solutions Distributor and also an Authorized Service Center (ASC).



### ABOUT DANFOSS

Around the world, mobile equipment manufacturers rely on Danfoss' expertise for the most innovative work, propulsion, control and steering solutions. The company provides high-value, high-performance components for a broad range of mobile equipment applications.

**As one of the largest companies in the mobile hydraulics industry, Danfoss designs, manufactures and sells a complete range of engineered hydraulic and electronic components including:**

- Orbital motors
- Hydraulic steering units
- PVG spool valves
- Piston pumps & motors

### WHY CHOOSE DANFOSS ?

Danfoss helps its customers excel with world-class applications know-how. By combining the strengths of its technologies with the collective skills and experience of its employees locally, Danfoss creates solutions that are as economically advantageous as they are advanced. By using Danfoss products and design platforms, customers often find that they shorten the learning curve, broaden their own competencies in new technologies, lower costs and decrease time-to-market.

Because we have a vast range of Danfoss parts on stock, we can quickly repair your Danfoss hydraulic components or deliver complete components from our stock. Moreover we have authorized technicians (schooled by Danfoss) to do official repairs. You can even contact us for parts that you don't see in our online catalogs.

## PARKER

TVH is a Certified Parker Distributor and Certified Hydraulic Pump & Motor Service Center for the BeLux market.



### ABOUT PARKER

Founded in 1918, Parker has evolved from the Parker Appliance Company into Parker Hannifin, a global leader in the production and distribution of motion and control technologies. Parker solutions have enabled many technological leaps and played integral roles in the exploration of space and the depths of the earth. They have also contributed to advancements in almost all types of man-made devices that move.

Parker delivers precision-engineered solutions across nine main fields: hydraulics, pneumatics, electromechanics, filtration, process control, fluid and gas handling, sealing and shielding, climate control, and aerospace. With a very large range of high-quality products, Parker is uniquely placed for providing solutions for both simple and extremely complex challenges.

### WHY YOU SHOULD CHOOSE US AS YOUR PARKER DISTRIBUTOR ?

With our comprehensive range of Parker parts at **competitive prices**, next day delivery from our **network of regional warehouses** and a **dedicated technical support team**, we can offer you the best possible service imaginable. Whether you need Parker parts for a routine inspection or major repairs or replacements, look to TVH. You can even contact us for parts that you don't see in our online catalogs.

## CASAPPA

TVH is an authorized Casappa Distributor for the Belgian market.



### ABOUT CASAPPA

Casappa is a **family-owned and independent company that focuses on creating and delivering value to customers**. Casappa invests in production efficiency, new ideas and a quick response to the global market. Its vision is to help its customers to differentiate themselves from their competitors through innovative standard and tailor-made solutions. Its passion for high performance in hydraulics is what drives the company.

### WHY YOU SHOULD CHOOSE US AS YOUR CASAPPA DISTRIBUTOR ?

With our comprehensive range of Casappa parts at **competitive prices**, next day delivery from our **network of regional warehouses** and a **dedicated technical support team**, we can offer you the best possible service imaginable. Whether you need Casappa hydraulic parts for a routine inspection or major repairs or replacements, look to TVH. You can even contact us for parts that you don't see in our online catalogues.

## KYB

TVH is a supplier of KYB parts.



### ABOUT KYB

KYB started working with TVH 20 years ago. The partnership is based on mutual respect and understanding.

KYB is a Japanese company that produces hydraulic equipment around the world since 1919. For almost a century KYB has been specialised in hydraulics, with technology widely used in the industries. The KYB group has 13 700 employees worldwide, a turnover of 2.7 billion euro, of which 30% is from sales of hydraulics. KYB Corporation is listed on the Tokyo stock exchange and exports its products to more than 100 countries across the world.

As a global supplier, Kayaba pursues the motto "Customer First, Quality First". KYB aims to timely provide the customer with products that satisfy them.

- Hydraulic gear pumps
- Hydraulic valves and control blocks
- Hydraulic piston pumps and hydraulic vane pumps
- Hydraulic cylinders and hydraulic accumulators
- Hydrostatic transmissions and power steering systems
- Concrete mixer trucks
- Vibration control systems
- Simulator systems
- Fatigue testers
- Soil treatment vehicles
- TVH provides a full range of KYB hydraulics for forklifts from stock.
- Other products on request

### WHY CHOOSE KYB ?

KYB is one of the world's largest suppliers of hydraulic parts. KYB provides world class product quality and customer service. A high reliability is the primary policy for developing KYB products and is based on a long experience in various applications, advanced technology and excellent production technologies.

## HYDRECO

TVH is a supplier of Hydreco parts.



### ABOUT HYDRECO

Hydreco Hydraulics is the designer, manufacturer and distributor of products servicing the transport and **mobile hydraulics** sector. Hydreco has a combined history of 100 years in developing solutions through a rich heritage of legacy companies.

The joining of **David Brown Hydraulics and Hydreco** in 1997 brought together some of the most respected products, people and heritage brands in the business.

### WHY CHOOSE HYDRECO ?

The Hydreco Hydraulics range of **electrical valves** includes some for specific applications while others can be used for a wide variety of applications. Control options include **proportional directional, direct operated, solenoid directional, pressure compensated and sectional directional with load sensing** for example.

The Hydreco Hydraulics **CETOP & Bankable Valves** include a complete range of on-off, proportional, LS and compensated solutions. Depending on model, operating pressures are up to **350 bar** and flow ratings up to **120 litres/min**.

## FREUDENBERG

TVH is a Freudenberg Preferred Partner of Freudenberg Sealing Technologies



### ABOUT FREUDENBERG

As the leading specialist in sealing applications and the corresponding market, Freudenberg Sealing Technologies is a supplier as well as a development and service partner serving customers in a wide variety of industries, including the automotive industry, civil aviation, mechanical engineering, shipbuilding, the food and pharmaceutical industries, material handling as well as agricultural and construction machinery.

### WHY CHOOSE FREUDENBERG SEALING TECHNOLOGIES ?

Customers choose Freudenberg Sealing Technologies for their sealing requirements because the company ...

- Has the world's largest product range
- Superior design solutions from a single source
- Innovates continually
- Technological prominence gives its customers a competitive advantage
- Offers a unique expertise in materials and high-quality standards
- The end-to-end leader for safe, cost-effective applications
- Provides a vast range of integrated services
- Integrated support from product development through deployment
- Embodies "globality"
- Global expertise combined with the knowledge of local market requirements and customer demands

## M+S HYDRAULIC

TVH is a supplier of M+S Hydraulic parts.



### ABOUT M+S HYDRAULICS

M+S Hydraulic was established in 1963 as a state enterprise, catering the construction industry, by providing maintenance and repairs for excavators, bulldozers and auto cranes. The company took its first hydraulic steps in 1966. In 1975, steering units and hydraulic power packs were added to the product range. As from 1981, hydraulic motors completed the product range.

### WHY CHOOSE M+S HYDRAULICS ?

Inspection plays an important role in the quality assurance of products. In addition to inspection during each manufacturing process, thorough tests and inspections of intermediate products and final products are performed by a highly skilled staff. They make full use of the equipment of the chemical, metrology and metallographic laboratory in order to assure the quality of the manufactured products. Strict process controls, testing and inspection assure high-quality products manufactured by M+S Hydraulic.

## HYDAC

TVH is a supplier of Hydac parts.



### ABOUT HYDAC

With 60 years of experience, Hydac is a prominent manufacturer of hydraulic components and systems for both mobile and stationary applications. The brand is well represented in the agricultural sector as well as the construction industry and the material handling with an extensive variety of products:

- Hydraulic accumulators
- Valves
- Cylinders
- Powerpacks
- ...

### WHY CHOOSE HYDAC ?

Hydac has an outstanding reputation for their high-quality hydraulic range. The development program not only focuses on the durability of their products but also on the user's comfort. Through the course of years Hydac has created a nearly complete product range that enables almost all design options for hydraulic systems.

## REPLACEMENT PARTS FOR TAIL LIFTS



In addition to fixed hydraulic installations and assemblies on 12/24V and mains voltage, we can also offer a complete range of hydraulic pump assemblies for mobile applications: tail lifts, lifting installations ...  
For tail lift applications, we gladly refer you to our Replacement parts for tail lifts catalogue.

Find your parts by make, the catalogue includes universal parts and accessories. In order to make this overview as complete as possible our catalogue also contains some relevant consumables.

Want to get your copy?

- Discover the catalogue " Replacement parts for tail lifts " online
- Order via our online shop with REF 36392792
- Contact your sales advisor



**Catalogue**  
**Replacement parts for tail lifts**  
REF 36392792







02.

# **HYDRAULIC HOSES AND ACCESSORIES**

# HYDRAULIC HOSES AND ACCESSORIES

## HYDRAULIC HOSE TYPE EN 853 1SN SAE 100 RIAT



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: one braid of steel wire
- Cover: synthetic rubber resistant to oil, abrasion and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
1SN-DN6	1/4"	6.4	15.9	225	3262.5	900	13050	100	0.226	<a href="#">167TA2101</a>
1SN-DN8	5/16"	8.0	17.5	215	3117.5	850	12325	115	0.265	<a href="#">167TA2102</a>
1SN-DN10	3/8"	9.5	19.8	180	2610	720	10440	130	0.335	<a href="#">167TA2103</a>
1SN-DN12	1/2"	12.7	23	160	2320	640	9280	180	0.415	<a href="#">167TA2104</a>
1SN-DN16	5/8"	16.2	23.3	130	1885	520	7540	200	0.520	<a href="#">167TA2105</a>
1SN-DN19	3/4"	19.2	27.4	105	1522.5	420	6090	240	0.650	<a href="#">167TA2106</a>
1SN-DN25	1"	25.3	35	88	1276	350	5075	300	0.910	<a href="#">167TA2107</a>
1SN-DN31	1 1/4"	32.2	42.8	63	913.5	250	3625	420	1.300	<a href="#">167TA2108</a>
1SN-DN38	1 1/2"	38.2	49.2	50	725	200	2900	500	1.700	<a href="#">167TA2109</a>
1SN-DN50	2"	51.2	63	40	580	160	2320	630	2.000	<a href="#">167TA2110</a>

## HYDRAULIC HOSE TYPE EN 853 2SN SAE 100 R2AT (PER METER)



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: two braid of steel wire
- Cover: synthetic rubber resistant to oil, abrasion and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SN-DN6	1/4"	6.3	14.7	400	5800	1600	23200	100	0.360	<a href="#">167TA2111</a>
2SN-DN8	5/16"	8.2	16.3	350	5075	1400	20300	115	0.450	<a href="#">167TA2112</a>
2SN-DN10	3/8"	9.8	18.7	330	4785	1320	19140	130	0.540	<a href="#">167TA2113</a>
2SN-DN12	1/2"	12.9	21.8	275	3987.5	1100	15950	180	0.650	<a href="#">167TA2114</a>
2SN-DN16	5/8"	16.2	25	250	3625	1000	14500	200	0.800	<a href="#">167TA2115</a>
2SN-DN19	3/4"	19.2	29.2	215	3117.5	850	12325	240	0.940	<a href="#">167TA2116</a>
2SN-DN25	1"	25.3	36.7	165	2392.5	650	9425	300	1.350	<a href="#">167TA2117</a>
2SN-DN31	1 1/4"	32.2	46.5	125	1812.5	500	7250	420	2.15	<a href="#">167TA2118</a>
2SN-DN38	1 1/2"	38.2	52.8	90	1305	360	5220	500	2.65	<a href="#">167TA2119</a>
2SN-DN50	2"	51	68.6	80	1160	320	4640	630	3.42	<a href="#">167TA2120</a>

## HYDRAULIC HOSE TYPE EN 853 2SN SAE 100 R2AT (PER 50 METER)



Cardboard coil

Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SN-DN6-RL50	1/4"	6.3	14.7	400	5800	1600	23200	100	0.360	<a href="#">167TA2121</a>
2SN-DN8-RL50	5/16"	8.2	16.3	350	5075	1400	20300	115	0.450	<a href="#">167TA2122</a>
2SN-DN10-RL50	3/8"	9.8	18.7	330	4785	1320	19140	130	0.540	<a href="#">167TA2123</a>
2SN-DN12-RL50	1/2"	12.9	21.8	275	3987.5	1100	15950	180	0.650	<a href="#">167TA2124</a>

## HYDRAULIC HOSE GOLD EN 853 2SN R2AT - ROCKCOVER



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: two braids of steel wire
- Cover: synthetic rubber high resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SN-DN6-RC	1/4"	6.4	15	400	5800	1600	23200	100	0.386	<a href="#">167TA8746</a>
2SN-DN8-RC	5/16"	8	16.6	350	5075	1400	20300	115	0.427	<a href="#">167TA8747</a>
2SN-DN10-RC	3/8"	9.5	19	330	4785	1320	19140	130	0.595	<a href="#">167TA8748</a>
2SN-DN12-RC	1/2"	12.7	21.5	275	3987.5	1100	15950	180	0.651	<a href="#">167TA8749</a>
2SN-DN16-RC	5/8"	16.6	25.4	250	3625	1000	14500	200	0.776	<a href="#">167TA8750</a>
2SN-DN19-RC	3/4"	19	29.3	215	3117.5	850	12325	240	0.956	<a href="#">167TA8751</a>
2SN-DN25-RC	1"	25.4	38.1	165	2392.5	650	9425	300	1.38	<a href="#">167TA8752</a>
2SN-DN31-RC	1 1/4"	31.8	48.3	125	1812.5	500	7250	420	2.024	<a href="#">167TA8753</a>
2SN-DN38-RC	1 1/2"	38.1	54.6	90	1305	360	5220	500	2.256	<a href="#">167TA8754</a>
2SN-DN50-RC	2"	50.8	66.7	80	1160	320	4640	630	2.765	<a href="#">167TA8755</a>

## HYDRAULIC HOSE: 1SC EN 857



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: one braid of steel wire
- Cover: synthetic rubber resistant to oil, abrasion and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
1SC-DN6	1/4"	6.4	13	275	4000	1100	16000	45	0.17	<a href="#">131TA6916</a>
1SC-DN8	5/16"	8.0	14	255	3700	1020	14800	55	0.22	<a href="#">131TA6917</a>
1SC-DN10	3/8"	9.5	16.4	215	3100	860	12500	60	0.26	<a href="#">131TA6918</a>
1SC-DN12	1/2"	12.7	19.5	170	2470	680	9900	70	0.36	<a href="#">131TA6919</a>
1SC-DN16	5/8"	16.2	22.6	150	2180	600	8700	90	0.45	<a href="#">131TA6920</a>
1SC-DN19	3/4"	19.2	26.2	125	1820	500	7250	100	0.53	<a href="#">131TA6921</a>
1SC-DN25	1"	25.3	34	100	1450	400	5800	160	0.77	<a href="#">131TA6922</a>

# HYDRAULIC HOSES AND ACCESSORIES

## HYDRAULIC HOSE: EN 857 2SC (PER METER)



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: two braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Operating temperature: -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SC-DN6	1/4"	6.5	13.9	400	5800	1600	23200	75	0.19	<a href="#">167TA2125</a>
2SC-DN8	5/16"	8.1	15.4	350	5075	1400	20300	85	0.22	<a href="#">167TA2126</a>
2SC-DN10	3/8"	9.7	17.7	330	4785	1320	19140	90	0.28	<a href="#">167TA2127</a>
2SC-DN12	1/2"	12.9	21	275	3988	1100	15950	130	0.36	<a href="#">167TA2128</a>
2SC-DN16	5/8"	16.1	24.3	250	3625	1000	14500	170	0.41	<a href="#">167TA2129</a>

## HYDRAULIC HOSE: EN 857 2SC (PER 50 METER)



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SC-DN6-RL50	1/4"	6.5	13.9	400	5800	1600	23200	75	0.19	<a href="#">167TA2130</a>
2SC-DN8-RL50	5/16"	8.1	15.4	350	5075	1400	20300	85	0.22	<a href="#">167TA2131</a>
2SC-DN10-RL50	3/8"	9.7	17.7	330	4785	1320	19140	90	0.28	<a href="#">167TA2132</a>
2SC-DN12-RL50	1/2"	12.9	21	275	3988	1100	15950	130	0.36	<a href="#">167TA2133</a>

## HYDRAULIC HOSE GOLD EN 857 2SC - ROCKCOVER



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: two braids of steel wire
- Cover: synthetic rubber high resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SC-DN6-RC	1/4"	6.6	13	400	5800	1600	23200	75	0.25	<a href="#">167TA8756</a>
2SC-DN10-RC	3/8"	9.9	16.6	330	4785	1320	19140	90	0.37	<a href="#">167TA8757</a>
2SC-DN12-RC	1/2"	13	20	275	3990	1100	15950	130	0.45	<a href="#">167TA8758</a>
2SC-DN16-RC	5/8"	16.6	23.9	250	3625	1000	14500	170	0.61	<a href="#">167TA8759</a>
2SC-DN19-RC	3/4"	19.5	27.6	215	3120	860	12470	200	0.76	<a href="#">167TA8760</a>
2SC-DN25-RC	1"	26	35.6	165	2395	660	9570	250	1.15	<a href="#">167TA8761</a>

## HYDRAULIC HOSE GOLD EN 857 2SNK



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: two braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C

Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	KG	REF
2SNK-DN6	1/4"	6.6	13.4	450	6525	1800	26100	45	0.27	<a href="#">167TA8762</a>
2SNK-DN8	5/16"	8.3	15	420	6090	1680	24360	60	0.31	<a href="#">167TA8763</a>
2SNK-DN10	3/8"	9.9	17	385	5585	1540	22340	70	0.39	<a href="#">167TA8764</a>
2SNK-DN12	1/2"	13	20.7	345	5000	1380	20000	90	0.52	<a href="#">167TA8765</a>
2SNK-DN16	5/8"	16.4	23.6	290	4205	1160	16820	130	0.651	<a href="#">167TA8766</a>
2SNK-DN19	3/4"	19.5	27.7	280	4060	1120	16240	160	0.52	<a href="#">167TA8767</a>
2SNK-DN25	1"	26	35.6	200	2900	800	11600	210	1.15	<a href="#">167TA8768</a>

## HYDRAULIC HOSE: EN 856 4SP SAE 100 R9R - R10



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: four braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: -40 °C to +100 °C

Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
4SP-DN10	3/8"	10	21.3	445	6452.5	1780	25810	180	0.75	<a href="#">167TA2134</a>
4SP-DN12	1/2"	13	23.8	415	6017.5	1660	24070	230	0.9	<a href="#">167TA2135</a>
4SP-DN16	5/8"	16	27.8	350	5075	1400	20300	250	1.1	<a href="#">167TA2136</a>
4SP-DN19	3/4"	19	31.5	350	5075	1400	20300	300	1.5	<a href="#">167TA2137</a>
4SP-DN25	1"	25.5	38.5	280	4060	1120	16240	340	2	<a href="#">167TA2138</a>
4SP-DN31	1 1/4"	32.2	49.5	210	3045	840	12180	460	3	<a href="#">167TA2139</a>

# HYDRAULIC HOSES AND ACCESSORIES

## HYDRAULIC HOSE GOLD EN 856 4SP - ROCKCOVER



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: four braids of steel wire
- Cover: synthetic rubber high resistant to oil, abrasion resistant and weather

Working temperature: -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
4SP-DN10-RC	3/8"	9.9	21.1	445	6455	1780	25810	180	0.7	<a href="#">167TA8769</a>
4SP-DN12-RC	1/2"	13	24.2	425	6465	1700	24070	230	0.85	<a href="#">167TA8770</a>
4SP-DN16-RC	5/8"	16.4	27.9	350	5075	1400	20300	250	1.11	<a href="#">167TA8771</a>
4SP-DN19-RC	3/4"	19.5	32	350	5075	1400	20300	300	1.41	<a href="#">167TA8772</a>
4SP-DN25-RC	1"	26	38.9	320	4640	1280	18500	340	1.86	<a href="#">167TA8773</a>

## HYDRAULIC HOSE: EN 856 4SH



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: four braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
4SH-DN25	1"	25.2	38.5	380	5510	1520	22040	340	2.5	<a href="#">167TA2140</a>
4SH-DN31	1 1/4"	32.2	45.2	325	4712.5	1300	18850	460	3	<a href="#">167TA2141</a>
4SH-DN38	1 1/2"	38.5	53.5	290	4206	1160	16824	560	3.6	<a href="#">167TA2142</a>
4SH-DN50	2"	51.2	68.1	250	3625	1000	14504	700	5	<a href="#">167TA2143</a>

## HYDRAULIC HOSE GOLD EN 856 4SH - ROCKCOVER



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: four braids of steel wire
- Cover: synthetic rubber high resistant to oil, abrasion resistant and weather

Working temperature: -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
4SH-DN19-RC	3/4"	19	32.2	420	6090	1680	24360	280	1.556	<a href="#">167TA8774</a>
4SH-DN25-RC	1"	25.4	38.7	380	5510	1520	22040	340	2.087	<a href="#">167TA8775</a>
4SH-DN31-RC	1 1/4"	32	45.5	350	5075	1400	20300	460	2.57	<a href="#">167TA8776</a>
4SH-DN38-RC	1 1/2"	38	53.5	290	4205	1160	16820	560	3.439	<a href="#">167TA8777</a>
4SH-DN50-RC	2"	50.8	68.1	250	3625	1000	14500	700	4.903	<a href="#">167TA8778</a>

## HYDRAULIC HOSE SAE 100 R15



### Composition:

- Inner tube: synthetic rubber resistant to hydraulic oil
- Reinforcement: four till six braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
R15-DN31	1 1/4"	32.2	51.5	420	6090	1680	24360	445	4.200	<a href="#">167TA8779</a>
R15-DN38	1 1/2"	38.5	56.5	420	6090	1680	24360	530	5.600	<a href="#">167TA8780</a>
R15-DN50	2"	51.1	71.5	420	6090	1680	24360	600	6.900	<a href="#">167TA8781</a>

## HYDRAULIC HOSE SAE 100 R7



### Composition:

- Inner tube: thermoplastic elastomer
- Reinforcement: one or two braids of synthetic fiber
- Cover: black polyurethane, mirco-perforated

Working temperature: from -40 °C to +100 °C limited to +70 °C for air and aqueous solutions



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
R7-DN5	3/16"	5	9.6	210	3000	840	12000	25	0.060	<a href="#">167TA8782</a>
R7-DN6	1/4"	6.5	12.2	210	3000	840	12000	35	0.095	<a href="#">167TA8783</a>
R7-DN8	5/16"	8.1	14.3	190	2700	760	10800	45	0.130	<a href="#">167TA8784</a>
R7-DN10	3/8"	9.7	16	160	2300	640	9200	55	0.145	<a href="#">167TA8785</a>
R7-DN12	1/2"	13	20.3	140	2000	560	8000	75	0.215	<a href="#">167TA8786</a>
R7-DN19	3/4"	19	27.2	69	1250	345	5000	127	0.338	<a href="#">107TA3430</a>

## DOUBLE HYDRAULIC HOSES SAE 100 R7



### Composition:

- Inner tube: thermoplastic elastomer
- Reinforcement: one or two braids of synthetic fiber
- Cover: black polyurethane, mirco-perforated

Working temperature: from -40 °C to +100 °C limited to +70 °C for air and aqueous solutions



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
twin R7-DN5	3/16"	4.8	10.9	210	3000	827	12000	19	0.125	<a href="#">107TA3420</a>
twin R7-DN6	1/4"	6.5	12.2	210	3000	840	12000	35	0.200	<a href="#">167TA8787</a>
twin R7-DN8	5/16"	8.1	14.3	175	2500	700	10000	45	0.260	<a href="#">167TA8788</a>
twin R7-DN10	3/8"	9.7	16	160	2300	640	9200	55	0.290	<a href="#">167TA8789</a>
twin R7-DN12	1/2"	13	20.3	140	2000	560	8000	75	0.440	<a href="#">167TA8790</a>
twin R7-DN19	3/4"	19	27.2	69	1250	345	5000	127	0.681	<a href="#">131TA6935</a>

# HYDRAULIC HOSES AND ACCESSORIES

## HYDRAULIC HOSE SAE 100 R8



### Composition:

- Inner tube: thermoplastic elastomer
- Reinforcement: one or two braids of textile fiber
- Cover: black polyurethane, micro-perforated

Working temperature: from -40 °C to +100 °C limited to +70 °C for air and aqueous solutions

Description	DN	Cross-section		Pressure		Pressure		mm	kg/m	REF
		Inner-Ø	Outer-Ø	bar	psi	bar	psi			
R8-DN5	3/16"	4.8	10.9	345	5000	1380	20000	38	0.052	<a href="#">133TA7821</a>
R8-DN6	1/4"	6.5	11.5	350	5000	1400	20000	50	0.085	<a href="#">167TA8791</a>
R8-DN8	5/16"	8.1	13.4	300	4300	1200	17200	55	0.105	<a href="#">167TA8792</a>
R8-DN10	3/8"	9.7	15.5	280	4000	1120	16000	60	0.135	<a href="#">167TA8793</a>
R8-DN12	1/2"	13	19.9	245	3500	980	14000	80	0.200	<a href="#">167TA8794</a>
R8-DN16	5/8"	16.3	23.4	200	2900	800	11600	125	0.250	<a href="#">167TA8795</a>
R8-DN19	3/4"	19.5	26.9	165	2300	660	9200	150	0.320	<a href="#">167TA8796</a>
R8-DN25	1"	25.9	34.2	140	2000	560	8000	200	0.440	<a href="#">167TA8797</a>

## DOUBLE HYDRAULIC HOSES SAE 100 R8



### Composition:

- Inner tube: thermoplastic elastomer
- Reinforcement: one or two braids of textile fiber
- Cover: black polyurethane, micro-perforated

Working temperature: from -40 °C to +100 °C limited to +70 °C for air and aqueous solutions

Description	DN	Cross-section		Pressure		Pressure		mm	kg/m	REF
		Inner-Ø	Outer-Ø	bar	psi	bar	psi			
twin R8-DN6	1/4"	6.5	11.5	350	5000	1400	20000	50	0.170	<a href="#">133TA7830</a>
twin R8-DN8	5/16"	8.1	13.4	300	4300	1200	17200	55	0.210	<a href="#">167TA8798</a>
twin R8-DN10	3/8"	9.7	15.5	280	4000	1120	16000	60	0.270	<a href="#">167TA8799</a>
twin R8-DN12	1/2"	13	19.9	245	3500	980	14000	80	0.400	<a href="#">167TA8800</a>

## HYDRAULIC HOSE WITH 1 BRAID OF STEEL WIRE



### Composition:

- Inner tube: thermoplastic elastomer
- Reinforcement: one braid of steel wire
- Cover: black polyurethane

Working temperature: from -40 °C to +100 °C limited to +70 °C for air and aqueous solutions

Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
1SB-DN6	1/4"	6.50	11.70	310	4500	1240	18000	40	0.165	<a href="#">167TA8801</a>
1SB-DN8	5/16"	8.10	13.20	250	3600	1000	14400	55	0.190	<a href="#">167TA8802</a>
1SB-DN10	3/8"	9.80	15.50	225	3200	900	12800	65	0.230	<a href="#">167TA8803</a>
1SB-DN12	1/2"	13.00	18.80	190	2700	760	10800	85	0.300	<a href="#">167TA8804</a>
1SB-DN16	5/8"	16.30	22.00	140	2000	560	8000	115	0.335	<a href="#">167TA8805</a>
1SB-DN19	3/4"	19.50	25.80	115	1600	460	6400	145	0.460	<a href="#">167TA8806</a>
1SB-DN25	1"	25.80	33.40	95	1300	380	5200	180	0.640	<a href="#">167TA8807</a>

## HYDRAULIC HOSE: SAE 100 R4



### Composition:

- Inner tube: nitrile rubber resistant to hydraulic oil
- Reinforcement: two braids of synthetic fiber and one steel wire helix
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C

Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	Bar	mm	kg/m	REF
R4-DN19	3/4"	19	32	21	305	84	1218	-0.8	127	0.725	<a href="#">167TA2144</a>
R4-DN25	1"	25.4	37.4	17	247	68	986	-0.8	152	0.847	<a href="#">167TA2145</a>
R4-DN31	1 1/4"	31.8	45	14	203	56	812	-0.8	203	1.118	<a href="#">167TA2146</a>
R4-DN38	1 1/2"	38.1	52	10	145	40	580	-0.8	254	1.454	<a href="#">167TA2147</a>
R4-DN50	2"	50.8	64	7	102	28	406	-0.8	305	1.837	<a href="#">167TA2148</a>

# HYDRAULIC HOSES AND ACCESSORIES

## HYDRAULIC HOSE EN 854 2TE



### Composition:

- Inner tube: nitrile rubber resistant to hydraulic oil
- Reinforcement: one textile braid
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
2TE-DN6	1/4"	6.4	13.4	75	1087.5	300	4350	40	0.145	<a href="#">167TA8808</a>
2TE-DN8	5/16"	8	14.9	68	986	272	3944	50	0.165	<a href="#">167TA8809</a>
2TE-DN10	3/8"	9.5	16.5	63	913.5	252	3654	60	0.190	<a href="#">167TA8810</a>
2TE-DN12	1/2"	12.7	19.7	58	841	232	3364	70	0.230	<a href="#">167TA8811</a>
2TE-DN16	5/8"	16	23.9	50	725	200	2900	90	0.315	<a href="#">167TA8812</a>
2TE-DN19	3/4"	19	27	45	652.5	180	2610	110	0.370	<a href="#">167TA8813</a>
2TE-DN25	1"	25.4	34.4	40	580	160	2320	150	0.540	<a href="#">167TA8814</a>

## HYDRAULIC HOSE EN 854 3TE



### Composition:

- Inner tube: nitrile rubber resistant to hydraulic oil
- Reinforcement: two textile braids
- Cover: synthetic rubber resistant to oil, abrasion resistant and weather

Working temperature: from -40 °C to +100 °C



Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
3TE-DN6	1/4"	6.4	14.4	145	2102.5	580	8410	45	0.165	<a href="#">167TA8815</a>
3TE-DN8	5/16"	8	16.9	130	1885	520	7540	55	0.215	<a href="#">167TA8816</a>
3TE-DN10	3/8"	9.5	18.5	110	1595	440	6380	70	0.240	<a href="#">167TA8817</a>
3TE-DN12	1/2"	12.7	21.7	93	1348.5	372	5394	85	0.295	<a href="#">167TA8818</a>
3TE-DN16	5/8"	16	25.9	80	1160	320	4640	105	0.400	<a href="#">167TA8819</a>
3TE-DN19	3/4"	19	29	70	1015	280	4060	130	0.455	<a href="#">167TA8820</a>
3TE-DN25	1"	25.4	35.9	55	797.5	220	3190	150	0.610	<a href="#">167TA8821</a>

## HOT WATER HOSE 2SC BLUE



### Composition:

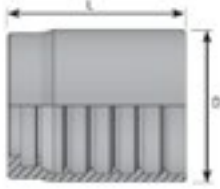
- Inner tube: synthetic rubber resistant to mineral, vegetable and hydraulic oil
- Reinforcement: two braids of steel wire
- Cover: synthetic rubber resistant to oil, abrasion and weather

Working temperature: from -40 °C to +155 °C



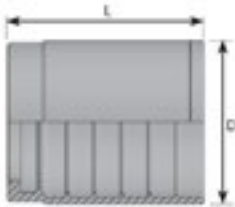
Description	DN	Inner-Ø	Outer-Ø	bar	psi	bar	psi	mm	kg/m	REF
2SC-DN6 HW blue	1/4"	6.5	13.9	400	5800	1600	23200	75	0.190	<a href="#">168TA6747</a>
2SC-DN8 HW blue	5/16"	8.3	14.6	400	5800	1400	20300	85	0.300	<a href="#">168TA6748</a>
2SC-DN10 HW blue	3/8"	9.9	16.6	400	5800	1320	19140	90	0.370	<a href="#">168TA6749</a>
2SC-DN12 HW blue	1/2"	12.9	21	275	3988	1100	15950	130	0.360	<a href="#">168TA6750</a>

## FERRULE FOR 1SN - 2SN - 2SC (HOT WATER) - 3TE NO SKIVE



Description	Hose Ø	L mm	D mm	REF
F-1SN-2SC-DN 05	3/16"	23	21	<a href="#">167TA2194</a>
F-1SN-2SC-DN 06	1/4"	30	23	<a href="#">167TA2195</a>
F-1SN-2SC-DN 08	5/16"	30	24	<a href="#">167TA2196</a>
F-1SN-2SC-DN 10	3/8"	32	26	<a href="#">167TA2197</a>
F-1SN-2SC-DN 12	1/2"	34	29	<a href="#">167TA2198</a>
F-1SN-2SC-DN 16	5/8"	37	33	<a href="#">167TA2199</a>
F-1SN-2SC-DN 19	3/4"	42	37	<a href="#">167TA2200</a>
F-1SN-2SC-DN 25	1"	51	46	<a href="#">167TA2201</a>
F-1SN-2SC-DN 31	1 1/4"	59	59	<a href="#">167TA2203</a>
F-1SN-2SC-DN 38	1 1/2"	67	67	<a href="#">167TA2204</a>
F-1SN-2SC-DN 51	2"	72	80	<a href="#">167TA2205</a>

## FERRULE FOR 1SC NO SKIVE



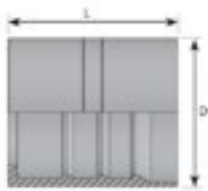
Description	Hose Ø	L mm	D mm	REF
F-1SC-DN 06	1/4"	30	20	<a href="#">168TA1950</a>
F-1SC-DN 08	5/16"	30	22	<a href="#">168TA1951</a>
F-1SC-DN 10	3/8"	32	24	<a href="#">168TA1952</a>
F-1SC-DN 12	1/2"	34	28	<a href="#">168TA1953</a>
F-1SC-DN 16	5/8"	37	32	<a href="#">168TA1954</a>
F-1SC-DN 19	3/4"	42	35	<a href="#">168TA1955</a>
F-1SC-DN 25	1"	51	43	<a href="#">168TA1956</a>

You can also use  
our ferrule crimping chart:



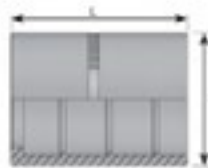
# HYDRAULIC HOSES AND ACCESSORIES

## FERRULE FOR 2ST/R2A SKIVE



Description	Hose Ø	L mm	D mm	REF
F-R2A-DN 06	1/4"	22	30	<a href="#">167TA8822</a>
F-R2A-DN 08	5/16"	24	30	<a href="#">167TA8823</a>
F-R2A-DN 10	3/8"	26	32	<a href="#">167TA8824</a>
F-R2A-DN 12	1/2"	30	34	<a href="#">167TA8825</a>
F-R2A-DN 16	5/8"	34	37	<a href="#">151TA4106</a>
F-R2A-DN 19	3/4"	38	43	<a href="#">151TA4107</a>
F-R2A-DN 25	1"	46	50	<a href="#">167TA8826</a>
F-R2A-DN 31	1 1/4"	56	59	<a href="#">167TA8827</a>
F-R2A-DN 38	1 1/2"	62	63	<a href="#">167TA8828</a>
F-R2A-DN 51	2"	75	79	<a href="#">167TA8829</a>

## FERRULE FOR R7 - R8 - STEELBREAD - NO SKIVE

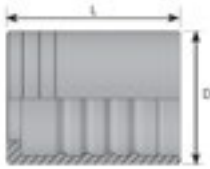


Description	Hose Ø	L mm	D mm	REF
F-R7 DN 05	3/16"	14	30	<a href="#">167TA2206</a>
F-R7 DN 06	1/4"	17	30	<a href="#">167TA2207</a>
F-R7 DN 08	5/16"	19	30	<a href="#">167TA2208</a>
F-R7 DN 10	3/8"	21	30	<a href="#">167TA2209</a>
F-R7 DN 12	1/2"	25.5	34	<a href="#">167TA2210</a>
F-R7 DN 16	5/8"	28.5	36	<a href="#">167TA2211</a>
F-R7 DN 19	3/4"	32	42	<a href="#">167TA2212</a>
F-R7 DN 25	1"	40	50	<a href="#">167TA2213</a>

You can also use  
our ferrule crimping chart:

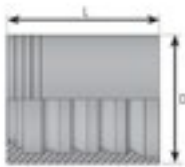


### FERRULE FOR 2TE - NO SKIVE



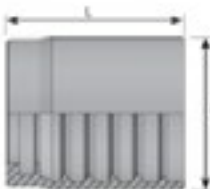
Description	Hose Ø	L mm	D mm	REF
F-2TE DN 06	1/4"	30	18	<a href="#">167TA9527</a>
F-2TE DN 08	5/16"	30	20	<a href="#">167TA9528</a>
F-2TE DN 10	3/8"	32	22	<a href="#">167TA9529</a>
F-2TE DN 12	1/2"	34	26	<a href="#">167TA9530</a>
F-2TE DN 16	5/8"	37	30	<a href="#">167TA9531</a>
F-2TE DN 19	3/4"	42	33	<a href="#">167TA9532</a>
F-2TE DN 25	1"	51	41	<a href="#">167TA9533</a>

### FERRULE FOR R9R - 4SP NO SKIVE



Description	Hose Ø	L mm	D mm	REF
F-4SP-4SH-NO SKIVE-DN 10	3/8"	33	33	<a href="#">167TA2214</a>
F-4SP-4SH-NO SKIVE-DN 12	1/2"	35.5	36	<a href="#">167TA2215</a>
F-4SP-4SH-NO SKIVE-DN 16	5/8"	40.5	40	<a href="#">167TA2216</a>
F-4SP-4SH-NO SKIVE-DN 19	3/4"	43.5	44	<a href="#">167TA2217</a>
F-4SP-4SH-NO SKIVE-DN 25	1"	51	54.4	<a href="#">167TA2218</a>
F-4SP-4SH-NO SKIVE-DN 31	1 1/4"	62.5	63.5	<a href="#">167TA2219</a>

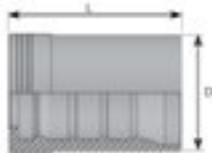
### FERRULE FOR R9R - 4SP SKIVE



Description	Hose Ø	L mm	D mm	REF
F-4SP DN 06	1/4"	30	22	<a href="#">167TA2220</a>
F-4SP DN 10	3/8"	32	26	<a href="#">151TA4135</a>
F-4SP-DN 12	1/2"	34	30	<a href="#">151TA4136</a>
F-4SP-DN 16	5/8"	40	34	<a href="#">151TA4137</a>
F-4SP-DN 19	3/4"	45.2	38	<a href="#">151TA4138</a>
F-4SP-DN 25	1"	56	46	<a href="#">151TA4139</a>
F-4SP-DN 31	1 1/4"	66	59	<a href="#">151TA4140</a>
F-4SP-DN 38	1 1/2"	76.5	65	<a href="#">167TA2221</a>
F-4SP-DN 51	2"	80	80	<a href="#">151TA4111</a>

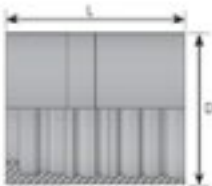
# HYDRAULIC HOSES AND ACCESSORIES

## INTERLOCK FERRULE FOR 4SH DOUBLE SKIVE



Description	Hose Ø	L mm	D mm	REF
I-F-4SH-DN 16	5/8"	52	36	<a href="#">167TA8830</a>
I-F-4SH-DN 19	3/4"	60	38	<a href="#">167TA8831</a>
I-F-4SH-DN 25	1"	74.5	46	<a href="#">167TA8832</a>
I-F-4SH-DN 31	1 1/4"	87.8	56	<a href="#">167TA8833</a>
I-F-4SH-DN 38	1 1/2"	94.4	62	<a href="#">167TA8834</a>
I-F-4SH-DN 51	2"	99	79.5	<a href="#">167TA8835</a>

## INTERLOCK FERRULE FOR R13 - R15 DOUBLE SKIVE



Description	Hose Ø	L mm	D mm	REF
I-F-R13-R15-DN 31	1 1/4"	87.8	60	<a href="#">151TA4146</a>
I-F-R13-R15-DN 38	1 1/2"	94.4	67	<a href="#">151TA4147</a>
I-F-R13-R15-DN 51	2"	99	84.5	<a href="#">151TA4148</a>

## FERRULE FOR R4 NO SKIVE



Description	Hose Ø	L mm	D mm	REF
F-R4-DN 19	3/4"	38	42	<a href="#">167TA9525</a>
F-R4-DN 25	1"	46	50	<a href="#">167TA2201</a>
F-R4-DN 31	1 1/4"	66	59	<a href="#">151TA4140</a>
F-R4-DN 38	1 1/2"	76.5	65	<a href="#">167TA2221</a>
F-R4-DN 51	2"	80	80	<a href="#">151TA4111</a>

You can also use our ferrule crimping chart:



## SPIRAL PROTECTION, BLACK



Int-Ø mm	Thickness mm	Width mm	Qty/box	REF
7	1	6.5	150 m	<a href="#">167TA7986</a>
10	1.5	10	50 m	<a href="#">167TA7987</a>
11.5	1.5	12	20 m	<a href="#">167TA7988</a>
14	1.8	14.5	20 m	<a href="#">167TA7989</a>
20	2	21	20 m	<a href="#">167TA7990</a>
25	2.4	24	20 m	<a href="#">167TA7991</a>
32	2.4	30	20 m	<a href="#">167TA7992</a>
38	3	35	20 m	<a href="#">167TA7993</a>
50	3.5	40	20 m	<a href="#">167TA7994</a>
60	3.8	40	20 m	<a href="#">167TA7995</a>
72	4.6	45	20 m	<a href="#">167TA7996</a>
87	5.5	55	12 m	<a href="#">167TA7997</a>
114	5.5	55	12 m	<a href="#">167TA7998</a>
129	5.5	55	8 m	<a href="#">167TA7999</a>
149	5.5	60	6 m	<a href="#">167TA8000</a>



## SPIRAL PROTECTION, YELLOW



Int-Ø mm	Thickness mm	Width mm	Qty/box	REF
16	2	16	1 m	<a href="#">167TA8001</a>
22	1	16	1 m	<a href="#">167TA8002</a>
30	2	16	1 m	<a href="#">167TA8003</a>
40	2	16	1 m	<a href="#">167TA8004</a>
60	4	30	1 m	<a href="#">167TA8005</a>
80	5	25	1 m	<a href="#">167TA8006</a>
100	6	45	1 m	<a href="#">167TA8007</a>
125	6	45	1 m	<a href="#">167TA8008</a>
140	6	45	1 m	<a href="#">167TA8009</a>
190	6	45	1 m	<a href="#">167TA8010</a>

# HYDRAULIC HOSES AND ACCESSORIES

## STEEL SPIRAL PROTECTION



Int-Ø	Thickness	Qty/box	REF
14	2	10 m	<a href="#">167TA8011</a>
17	2	10 m	<a href="#">167TA8012</a>
19	2	10 m	<a href="#">167TA8013</a>
21	2	10 m	<a href="#">167TA8014</a>
25	2	10 m	<a href="#">167TA8015</a>
27	2	10 m	<a href="#">167TA8016</a>
30	2	10 m	<a href="#">167TA8017</a>
34	2	10 m	<a href="#">167TA8018</a>
41	3	10 m	<a href="#">167TA8019</a>
48	3	10 m	<a href="#">167TA8020</a>
55	3	10 m	<a href="#">167TA8021</a>

## VELCO STRAP FOR HOSES



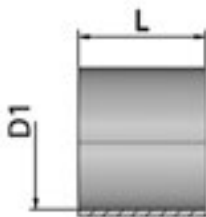
Ø mm	REF
100	<a href="#">167TA8022</a>
200	<a href="#">167TA8023</a>
300	<a href="#">167TA8024</a>
406	<a href="#">167TA8025</a>
508	<a href="#">167TA8026</a>

## TEXTILE PROTECTION



Inner Ø mm	L mm	Qty/box	REF
35	18	1 m	<a href="#">116TA5759</a>
40	20	1 m	<a href="#">116TA5760</a>
45	23	1 m	<a href="#">116TA5761</a>
50	28	1 m	<a href="#">116TA5762</a>
55	30	1 m	<a href="#">116TA5763</a>
65	36	1 m	<a href="#">116TA5764</a>
80	43	1 m	<a href="#">116TA5765</a>
120	68	1 m	<a href="#">116TA5766</a>
150	85	1 m	<a href="#">116TA5767</a>

## FERRULE FOR TEXTILE PROTECTION



D1 mm	L mm	REF
22	30	<a href="#">163TA8699</a>
27	30	<a href="#">163TA8700</a>
32	30	<a href="#">163TA8701</a>
38	30	<a href="#">163TA8702</a>
46	30	<a href="#">163TA8703</a>

## STEEL PIPES (HIGH-PRESSURE)



**Type:**

Seamless cold drawn high-pressure pipe in conformity with DIN 2445/2.

**Material:**



Steel ST. 35.4. Mat. no. 1.0309.

**Finish:**

Blank glown as per NBK-norm, internally and externally phosphated against corrosion and oiled, 100% tested for pressure, stamped and plugged at the ends

**Lengths:**

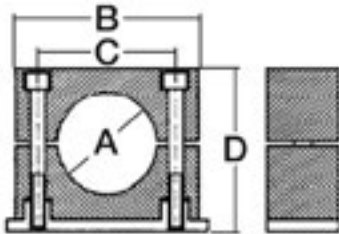
Sold per metre

 mm	 mm	Working pressure bar	Proof pressure bar	Burst pressure bar	REF
4	0.5	266	404	953	<a href="#">107TA8616</a>
6	1	377	558	1320	<a href="#">107TA8617</a>
6	1.5	565	792	2145	<a href="#">107TA8618</a>
8	1	282	430	953	<a href="#">107TA8619</a>
8	1.5	424	619	1514	<a href="#">107TA8620</a>
8	2	565	792	2145	<a href="#">107TA8621</a>
10	1	239	370	746	<a href="#">107TA8622</a>
10	1.5	359	538	1170	<a href="#">107TA8623</a>
10	2	479	694	1634	<a href="#">107TA8624</a>
12	1	199	308	612	<a href="#">107TA8625</a>
12	1.5	299	455	953	<a href="#">107TA8626</a>
12	2	399	591	1320	<a href="#">107TA8627</a>
14	1.5	256	394	804	<a href="#">107TA8628</a>
14	2	342	514	1107	<a href="#">107TA8629</a>
15	1.5	239	370	746	<a href="#">107TA8630</a>
15	2	319	483	1024	<a href="#">107TA8631</a>
16	1.5	224	347	695	<a href="#">107TA8632</a>
16	2	299	455	953	<a href="#">107TA8633</a>
16	2.5	374	558	1225	<a href="#">107TA8634</a>
16	3	449	656	1514	<a href="#">107TA8635</a>
18	1.5	199	308	612	<a href="#">107TA8674</a>
18	2	266	408	837	<a href="#">107TA8636</a>
18	3	399	591	1320	<a href="#">107TA8637</a>
20	1.5	179	277	547	<a href="#">107TA8638</a>
20	2	239	370	746	<a href="#">107TA8639</a>
25	2	191	296	586	<a href="#">107TA8647</a>
25	2.5	239	370	746	<a href="#">107TA8648</a>
25	3	287	438	912	<a href="#">107TA8649</a>
25	4	399	495	1259	<a href="#">107TA8650</a>
28	1.5	128	198	384	<a href="#">107TA8651</a>
28	2	171	264	520	<a href="#">107TA8652</a>
28	3	256	394	804	<a href="#">107TA8653</a>
30	2	159	246	483	<a href="#">107TA8654</a>

For the necessary cutting ring fitting, please check the chapter with cutting ring fittings.

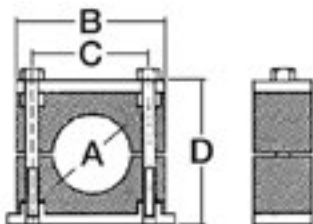
# HYDRAULIC HOSES AND ACCESSORIES

## SINGLE PIPE SUPPORT WITH LOWER PLATE



A mm	B mm	C mm	D mm	REF
6	34	20	27	<a href="#">167TA9543</a>
8	34	20	27	<a href="#">167TA9544</a>
10	34	20	27	<a href="#">167TA9545</a>
12	34	20	27	<a href="#">167TA9546</a>
1/8	34	20	27	<a href="#">167TA9547</a>
14	40	26	33	<a href="#">167TA9548</a>
15	40	26	33	<a href="#">167TA9549</a>
16	40	26	33	<a href="#">167TA9550</a>
18	40	26	33	<a href="#">167TA9551</a>
19	40	26	33	<a href="#">167TA9552</a>
1/4	40	26	33	<a href="#">167TA9553</a>
3/8	40	26	33	<a href="#">167TA9554</a>
19	48	33	35	<a href="#">167TA9555</a>
20	48	33	35	<a href="#">167TA9556</a>
22	48	33	35	<a href="#">167TA9557</a>
25	48	33	35	<a href="#">167TA9558</a>
1/2	48	33	35	<a href="#">167TA9559</a>
28	57	40	42	<a href="#">167TA9560</a>
30	57	40	42	<a href="#">167TA9561</a>
32	57	40	42	<a href="#">167TA9562</a>
3/4	57	40	42	<a href="#">167TA9563</a>
35	68	52	58	<a href="#">167TA9564</a>
38	68	52	58	<a href="#">167TA9565</a>
40	68	52	58	<a href="#">167TA9566</a>
42	68	52	58	<a href="#">167TA9567</a>

## SINGLE PIPE SUPPORT WITH LOWER AND UPPER PLATE

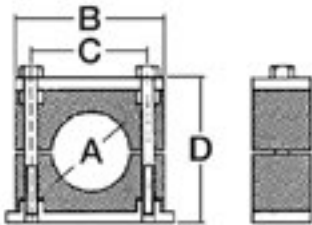


A mm	B mm	C mm	D mm	REF
6	34	20	27	<a href="#">167TA9568</a>
8	34	20	27	<a href="#">167TA9569</a>
10	34	20	27	<a href="#">167TA9570</a>
12	34	20	27	<a href="#">167TA9571</a>
1/8	34	20	27	<a href="#">167TA9570</a>
14	40	26	33	<a href="#">167TA9572</a>
15	40	26	33	<a href="#">167TA9573</a>
16	40	26	33	<a href="#">167TA9574</a>
18	40	26	33	<a href="#">167TA9575</a>
19	40	26	33	<a href="#">167TA9576</a>
1/4	40	26	33	<a href="#">167TA9577</a>
3/8	40	26	33	<a href="#">167TA9578</a>
19	48	33	35	<a href="#">167TA9579</a>
20	48	33	35	<a href="#">167TA9580</a>
22	48	33	35	<a href="#">167TA9581</a>
25	48	33	35	<a href="#">167TA9582</a>
1/2	48	33	35	<a href="#">167TA9583</a>
28	57	40	42	<a href="#">167TA9584</a>
30	57	40	42	<a href="#">167TA9585</a>
32	57	40	42	<a href="#">167TA9586</a>
3/4	57	40	42	<a href="#">167TA9587</a>
35	68	52	58	<a href="#">167TA9588</a>
38	68	52	58	<a href="#">167TA9589</a>
40	68	52	58	<a href="#">167TA9590</a>
42	68	52	58	<a href="#">167TA9591</a>

## SINGLE PIPE SUPPORT HEAVY DUTY LOWER AND UPPER PLATE



A mm	B mm	C mm	D mm	REF
16	55	33	32	<a href="#">167TA9592</a>
18	55	33	32	<a href="#">167TA9593</a>
20	70	45	48	<a href="#">167TA9594</a>
22	70	45	48	<a href="#">167TA9595</a>
25	70	45	48	<a href="#">167TA9596</a>
28	70	45	48	<a href="#">167TA9597</a>
30	85	60	60	<a href="#">167TA9598</a>
35	85	60	60	<a href="#">167TA9599</a>
38	120	90	90	<a href="#">167TA9600</a>
40	120	90	90	<a href="#">167TA9601</a>
42	120	90	90	<a href="#">167TA9602</a>



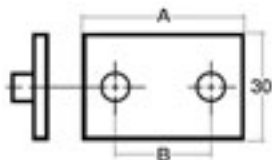
## ACCESSOIRES SINGLE PIPE SUPPORT



A mm	B mm	C mm	D mm	REF
6	35	20	27	<a href="#">167TA9816</a>
8	35	20	27	<a href="#">167TA9817</a>
10 (1/8)	35	20	27	<a href="#">167TA9872</a>
12	35	20	27	<a href="#">167TA9881</a>
14	41	26	27	<a href="#">167TA9883</a>
15	41	26	33	<a href="#">167TA9818</a>
16	41	26	33	<a href="#">167TA9819</a>
18	41	26	33	<a href="#">167TA9820</a>
19	41	26	33	<a href="#">167TA9821</a>
1/4 (13.5)	41	26	33	<a href="#">167TA9822</a>
3/8 (17.2)	41	26	33	<a href="#">167TA9823</a>
19	48	33	35	<a href="#">167TA9824</a>
20	48	33	35	<a href="#">167TA9825</a>
22	48	33	35	<a href="#">167TA9826</a>
25	48	33	35	<a href="#">167TA9827</a>
1/2 (21.3)	48	33	35	<a href="#">167TA9828</a>
28	57	40	42	<a href="#">167TA9829</a>
30	57	40	42	<a href="#">167TA9830</a>
32	57	40	42	<a href="#">167TA9831</a>
3/4 (26.9)	57	40	42	<a href="#">167TA9832</a>
1" (33.7)	69	52	58	<a href="#">167TA9833</a>
35	69	52	58	<a href="#">167TA9834</a>
38	69	52	58	<a href="#">167TA9835</a>
40	69	52	58	<a href="#">167TA9836</a>
42 (1 1/4")	69	52	58	<a href="#">167TA9873</a>
45	69	52	58	<a href="#">167TA9837</a>
44.5	86	66	66	<a href="#">167TA9838</a>
48.3 (1 1/2")	86	66	66	<a href="#">167TA9874</a>
50.8	86	66	66	<a href="#">167TA9839</a>

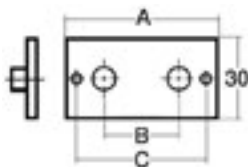
# HYDRAULIC HOSES AND ACCESSORIES

## LOWER PLATE



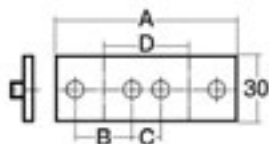
A mm	B mm	REF
41	20	<a href="#">167TA9624</a>
47	26	<a href="#">167TA9625</a>
54	33	<a href="#">167TA9626</a>
61	40	<a href="#">167TA9627</a>
74	52	<a href="#">167TA9628</a>

## EXTENDED LOWER PLATE



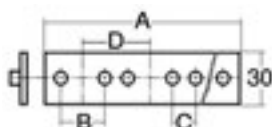
A mm	B mm	C mm	REF
64	20	51	<a href="#">167TA9629</a>
70	26	56	<a href="#">167TA9630</a>
78	33	64	<a href="#">167TA9631</a>
87	40	70	<a href="#">167TA9632</a>
97	52	83	<a href="#">167TA9633</a>

## LOWER PLATE DOUBLE



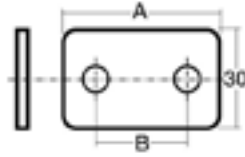
A mm	B mm	C mm	D mm	REF
81	20	20	40	<a href="#">167TA9634</a>
91	26	18	44	<a href="#">167TA9635</a>
106	33	19	52	<a href="#">167TA9636</a>
121	40	20	60	<a href="#">167TA9637</a>
148	52	23	75	<a href="#">167TA9638</a>

## LOWER PLATE MULTI



A mm	B mm	C mm	D mm	REF
401	20	20	40	<a href="#">167TA9639</a>
443	26	18	44	<a href="#">167TA9640</a>
522	33	19	52	<a href="#">167TA9641</a>
301	40	20	60	<a href="#">167TA9642</a>
374	52	23	75	<a href="#">167TA9643</a>
447	66	24	90	<a href="#">167TA9644</a>

### UPPER PLATE



A mm	B mm	REF
34	20	<a href="#">167TA9645</a>
40	26	<a href="#">167TA9646</a>
48	33	<a href="#">167TA9647</a>
57	40	<a href="#">167TA9648</a>
68	52	<a href="#">167TA9649</a>

### ALLEN KEY BOLT



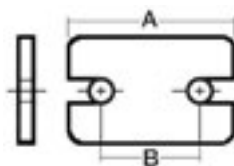
Screw thread	Length mm	REF
M6	20	<a href="#">167TA9650</a>
M6	25	<a href="#">167TA9651</a>
M6	30	<a href="#">167TA9652</a>
M6	35	<a href="#">167TA9653</a>
M6	50	<a href="#">167TA9654</a>

### HEXAGON HEAD BOLT



Screw thread	Length mm	REF
M6	30	<a href="#">167TA9655</a>
M6	35	<a href="#">167TA9656</a>
M6	40	<a href="#">167TA9657</a>
M6	45	<a href="#">167TA9658</a>
M6	60	<a href="#">167TA9659</a>

### INTERMEDIATE PLATE



A mm	B mm	REF
34	20	<a href="#">167TA9660</a>
40	26	<a href="#">167TA9661</a>
48	33	<a href="#">167TA9662</a>
57	40	<a href="#">167TA9663</a>
68	52	<a href="#">167TA9664</a>

# HYDRAULIC HOSES AND ACCESSORIES

## INTERMEDIATE STACK SCREW



Screw thread	Length mm	REF
M6	20	<a href="#">167TA9665</a>
M6	25	<a href="#">167TA9666</a>
M6	30	<a href="#">167TA9667</a>
M6	35	<a href="#">167TA9668</a>
M6	50	<a href="#">167TA9669</a>

## S- RAIL



B mm	H mm	REF
28	11	<a href="#">167TA9875</a>

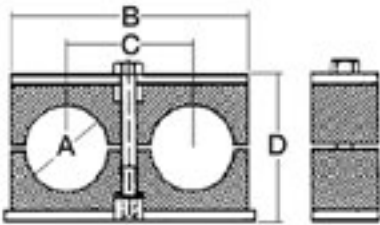
lengths 2m

## S- RAIL ACCESSOIRE



M	D mm	REF
M6	12	<a href="#">167TA9840</a>

## DOUBLE PIPE SUPPORT



A mm	B mm	C mm	D mm	REF
6	37	20	25	<a href="#">167TA9603</a>
8	37	20	25	<a href="#">167TA9604</a>
10	37	20	25	<a href="#">167TA9605</a>
12	37	20	25	<a href="#">107TA3635</a>
1/8	37	20	25	<a href="#">167TA9605</a>
14	53	29	26	<a href="#">167TA9606</a>
15	53	29	26	<a href="#">167TA9607</a>
16	53	29	26	<a href="#">167TA9608</a>
18	53	29	26	<a href="#">167TA9609</a>
1/4	53	29	26	<a href="#">167TA9610</a>
3/8	53	29	26	<a href="#">167TA9611</a>
20	67	36	37	<a href="#">167TA9612</a>
22	67	36	37	<a href="#">167TA9613</a>
25	67	36	37	<a href="#">167TA9614</a>
1/2	67	36	37	<a href="#">167TA9615</a>
28	82	45	42	<a href="#">167TA9616</a>
30	82	45	42	<a href="#">167TA9617</a>
3/4	82	45	42	<a href="#">167TA9618</a>
35	106	56	54	<a href="#">167TA9619</a>
38	106	56	54	<a href="#">167TA9620</a>
42	106	56	54	<a href="#">167TA9621</a>
1"	106	56	54	<a href="#">167TA9622</a>
1 1/4	106	56	54	<a href="#">167TA9623</a>

## ACCESSOIRES DOUBLE PIPE SUPPORT



A mm	B mm	C mm	D mm	REF
6	36	20	25	<a href="#">167TA9841</a>
8	36	20	25	<a href="#">167TA9842</a>
10 (1/8)	36	20	25	<a href="#">167TA9843</a>
12	36	20	25	<a href="#">167TA9844</a>
14	53	29	26	<a href="#">167TA9882</a>
15	53	29	26	<a href="#">167TA9845</a>
16	53	29	26	<a href="#">167TA9846</a>
18	53	29	26	<a href="#">167TA9847</a>
1/4 (13.5)	53	29	26	<a href="#">167TA9848</a>
3/8 (17.2)	53	29	26	<a href="#">167TA9849</a>
19	67	36	37	<a href="#">167TA9850</a>
20	67	36	37	<a href="#">167TA9851</a>
22	67	36	37	<a href="#">167TA9852</a>
25	67	36	37	<a href="#">167TA9853</a>
1/2 (21.3)	67	36	37	<a href="#">167TA9854</a>
28	82	45	42	<a href="#">167TA9855</a>
30	82	45	42	<a href="#">167TA9856</a>
3/4 (26.9)	82	45	42	<a href="#">167TA9857</a>
35	106	56	54	<a href="#">167TA9858</a>
38	106	56	54	<a href="#">167TA9859</a>
42 (1 1/4)	106	56	54	<a href="#">167TA9860</a>
1" (33.7)	106	56	54	<a href="#">167TA9861</a>

# HYDRAULIC HOSES AND ACCESSORIES

## DOUBLE PIPE SUPPORT - LOWER PLATE



F	d mm	REF
30	7	<a href="#">167TA9862</a>
55	9	<a href="#">167TA9863</a>
70	9	<a href="#">167TA9864</a>
85	9	<a href="#">167TA9865</a>
110	9	<a href="#">167TA9866</a>

## DOUBLE PIPE SUPPORT - UPPER PLATE



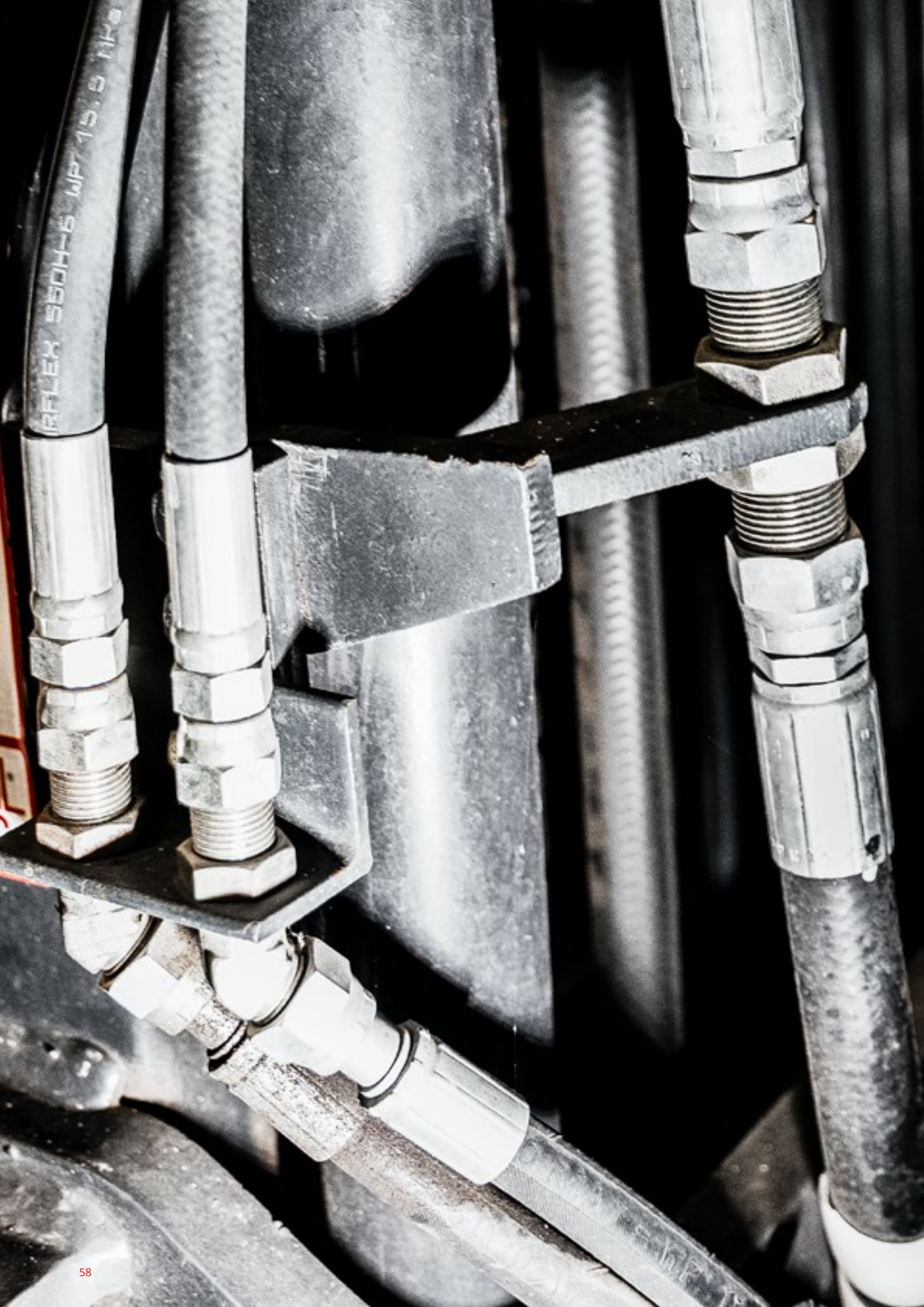
F	d mm	REF
35	20	<a href="#">167TA9867</a>
52	26	<a href="#">167TA9868</a>
66	33	<a href="#">167TA9869</a>
81	40	<a href="#">167TA9870</a>
105	52	<a href="#">167TA9871</a>

## HEXAGON HEAD BOLT



M	Length mm	REF
M6	35	<a href="#">167TA9876</a>
M8	35	<a href="#">167TA9877</a>
M8	45	<a href="#">167TA9878</a>
M8	50	<a href="#">167TA9879</a>
M8	60	<a href="#">167TA9880</a>





03.

**HYDRAULIC  
CRIMP FITTINGS**

# HYDRAULIC CRIMP FITTINGS


## CONVERSION TABLE - THREADED CONNECTIONS

OUTER THREAD							INNER THREAD						
Dia.	Step mm	Step inch	Metric type	BSP	NPT	NF-thread JIC/SAE	Dia.	Step mm	Step inch	Metric type	BSP	NPT	NF-thread JIC/SAE
9.728		28		1/8			8.565		28		1/8		
10	1		M10x1				8.674		27			1/8	
10		1.5	M10x1.5				8.701	1		M10x1			
10.287		27			1/8		9.025	1.5		M10x1.5			
11.113		20				7/16-20	9.738		20				7/16-20
12	1.5		M12x1.5				10.052	1.5		M12x1.5			
12.7		20				1/2-20	11.265		18			1/4	
13.157		19		1/4			11.326		20				1/2-20
13.718		18			1/4		11.445		19		1/4		
14	1.5		M14x1.5				12.052	1.5		M14x1.5			
14.288		18				9/16-18	12.761		18				9/16-18
15.875		18				5/8-18	14.052	1.5		M16x1.5			
16		1.5	M16x1.5				14.348		18				
16.662		19		3/8			14.704		18			3/8	
17.145		18			3/8		14.95		19		3/8		
18	1.5		M18x1.5				16.052	1.5		M18x1.5			
19.05		16				3/4-16	17.330		16				3/4-16
20	1.5		M20x1.5				18.052	1.5		M20x1.5			
20.955		14		1/2			18.161		14			1/2	
21.336		14			1/2		18.633		14		1/2		
22	1.5		M22x1.5				20.052	1.5		M22x1.5			
22.225		14				7/8-14	20.262		14				7/8-14
22.911		14		5/8			20.589		14		5/8		
24	1.5		M24x1.5				22.052	1.5		M24x1.5			
26	1.5		M26x1.5				23.508		14			3/4	
26.441		14		3/4			24.052	1.5		M26x1.5			
26.67		14			3/4		24.120		14		3/4		
26.988		14				1 1/16-14	24.402	2		M27x2			
26.988		12				1 1/16-12	24.696		14				1 1/16-14
27	2		M27x2				24.696		12				1 1/16-12
30	1.5		M30x1.5				27.402	2		M30x2			
30	2		M30x2				27.871		12				13/16-12
30.163		12				1 3/16-12	28.052	1.5		M30x1.5			
33	2		M33x2				29.517		11 1/2			1	
33.249		11		1			30.292		11		1		
33.338		12				1 5/16-12	30.402	2		M33x2			
33.401		11 1/2			1		31.046		12				1 5/16-12
36	2		M36x2				33.402	2		M36x2			
38	1.5		M38x1.5				36.052	1.5		M38x1.5			
41.275		12				1 5/8-12	38.252		11 1/2			1 1/4	
41.91		11		1 1/4			38.953		11		1 1/4		
42	2		M42x2				38.984		12				1 5/8-12
42.164		11 1/2			1 1/4		39.402	2		M42x2			
45	1.5		M45x1.5				42.402	2		M45x2			
45	2		M45x2				43.052	1.5		M45x1.5			
47.625		12				1 7/8-12	44.323		11 1/2			1 1/2	
47.803		11		1 1/2			44.846		11		1 1/2		
48	2		M48x2				45.334		12				1 7/8-12
48.26		11 1/2			1 1/2		45.402	2		M48x2			
52	2		M52x2				49.402	2		M52x2			

## SCREW THREAD IDENTIFICATION

Module	Tube mm	Metric	Outer thread dia. mm	Inside thread dia. mm	Module	Tube mm	Metric	Outer thread dia. mm	Inside thread dia. mm
-4LL	4	M8x1	8	7	-28L	28	M36x2	36	33.9
-5LL	5	M10x1	10	9	-35L	35	M45x2	45	43.5
-6LL	6	M10x1	10	9	-42L	42	M52x2	52	49.9
-8LL	8	M12x1	12	10.5	-6S	6	M14x1.5	14	12.5
-10LL	10	M14x1	14	12.5	-8S	8	M16x1.5	16	14.5
-12LL	12	M16x1	16	14.5	-10S	10	M18x1.5	18	16.5
-6L	6	M12x1.5	12	10.5	-12S	12	M20x1.5	20	18.5
-8L	8	M14x1.5	14	12.5	-14S	14	M22x1.5	22	20.5
-10L	10	M16x1.5	16	14.5	-16S	16	M24x1.5	24	22.5
-12L	12	M18x1.5	18	16.5	-20S	20	M30x2	30	28.5
-15L	15	M22x1.5	22	20.5	-25S	25	M36x2	36	33.9
-18L	18	M26x1.5	26	24.5	-30S	30	M42x2	42	39.9
-22L	22	M30x2	30	28.5	-38S	38	M52x2	52	49.9










































## IDENTIFICATION ASSIST THREAD

	Description	Type	REF
	IDENTIFICATION ASSIST THREAD BSP 1/8 - 1-1/4	Sort BSP	<a href="#">167TA8844</a>
	IDENTIFICATION ASSIST THREAD JIC 7/16 - 2 1/2	Sort JIC	<a href="#">167TA8845</a>
	IDENTIFICATION ASSIST THREAD METRIC 6L-35L	Sort DKOL	<a href="#">167TA8846</a>
	IDENTIFICATION ASSIST THREAD METRIC 6S-38S	Sort DKOS	<a href="#">167TA8847</a>
	IDENTIFICATION ASSIST THREAD ORFS 9/16 - 2-1/2	Sort ORFS	<a href="#">167TA8848</a>
	IDENTIFICATION ASSIST THREAD SAE	Sort Flange / Banjo	<a href="#">167TA8849</a>










































We developed 6 screw thread identification plates. You can use the fittings of the plate to measure the correct thread.

# HYDRAULIC CRIMP FITTINGS

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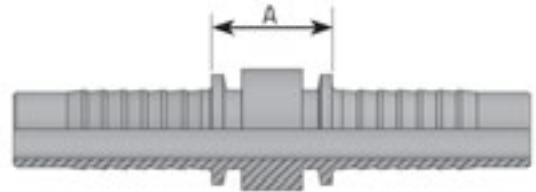
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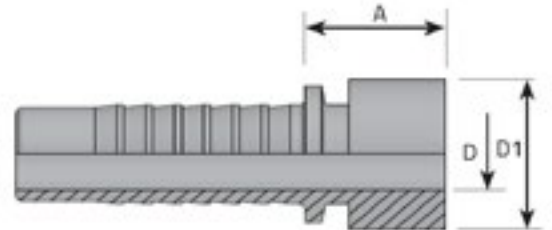
## HYDRAULIC COUPLINGS

Description	Hoses	A mm	REF
DOUBLE NIPPLE-DN 06	1/4"	14	<a href="#">151TA4510</a>
DOUBLE NIPPLE-DN 08	5/16"	14	<a href="#">151TA4511</a>
DOUBLE NIPPLE-DN 10	3/8"	15	<a href="#">151TA4512</a>
DOUBLE NIPPLE-DN 12	1/2"	20	<a href="#">151TA4513</a>
DOUBLE NIPPLE-DN 16	5/8"	16	<a href="#">151TA4514</a>
DOUBLE NIPPLE-DN 19	3/4"	18	<a href="#">151TA4515</a>
DOUBLE NIPPLE-DN 25	1"	20	<a href="#">151TA4516</a>
DOUBLE NIPPLE-DN 31	1 1/4"	21	<a href="#">167TA2222</a>



## HYDRAULIC COUPLINGS - WELDABLE

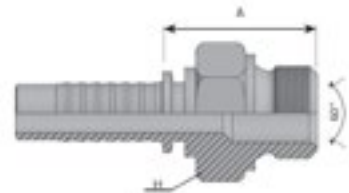
Description	Hoses	A mm	D1 mm	REF
BRAZING TAIL-DN 05	3/16"	14.5	12	<a href="#">167TA2230</a>
BRAZING TAIL-DN 06	1/4"	12.5	12	<a href="#">167TA2231</a>
BRAZING TAIL-DN 06-8	1/4"	12.5	12	<a href="#">167TA2232</a>
BRAZING TAIL-DN 08	5/16"	13.5	14	<a href="#">167TA2233</a>
BRAZING TAIL-DN 08-10	5/16"	13.6	15	<a href="#">167TA2234</a>
BRAZING TAIL-DN 10	3/8"	14.5	16	<a href="#">167TA2235</a>
BRAZING TAIL-DN 10-10	3/8"	14.5	16	<a href="#">167TA2236</a>
BRAZING TAIL-DN 10-12	3/8"	14.5	16	<a href="#">167TA2237</a>
BRAZING TAIL-DN 12	1/2"	16	20	<a href="#">167TA2238</a>
BRAZING TAIL-DN 12-14	1/2"	16	20	<a href="#">167TA2239</a>
BRAZING TAIL-DN 12-15	1/2"	16	20	<a href="#">167TA2240</a>
BRAZING TAIL-DN 12-16	1/2"	16	20	<a href="#">167TA2241</a>
BRAZING TAIL-DN 16	5/8"	18	24	<a href="#">167TA2242</a>
BRAZING TAIL-DN 19	3/4"	15.5	26	<a href="#">167TA2243</a>
BRAZING TAIL-DN 25	1"	22	32	<a href="#">167TA2244</a>
BRAZING TAIL-DN 31	1 1/4"	21.5	40	<a href="#">167TA2245</a>
BRAZING TAIL-DN 38	1 1/2"	21.5	46	<a href="#">167TA2246</a>
BRAZING TAIL-DN 51	2"	23	60	<a href="#">167TA2247</a>



# HYDRAULIC CRIMP FITTINGS

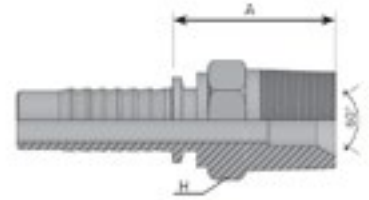
## BSPP MALE - 60° CONE

Description	Hoses	Thread	A mm	Hexagon	REF
AGR-1/8"-DN 05	3/16"	1/8"-28	20.5	14	<a href="#">151TA4725</a>
AGR-1/8"-DN 06	1/4"	1/8"-28	20.5	14	<a href="#">151TA4726</a>
AGR-1/4"-DN 05	3/16"	1/4"-19	26	19	<a href="#">151TA4727</a>
AGR-1/4"-DN 06	1/4"	1/4"-19	27	19	<a href="#">151TA4728</a>
AGR-1/4"-DN 08	5/16"	1/4"-19	27	19	<a href="#">151TA4729</a>
AGR-1/4"-DN 10	3/8"	1/4"-19	32	27	<a href="#">151TA4730</a>
AGR-3/8"-DN 06	1/4"	3/8"-19	29	22	<a href="#">151TA4731</a>
AGR-3/8"-DN 08	5/16"	3/8"-19	29	22	<a href="#">151TA4732</a>
AGR-3/8"-DN 10	3/8"	3/8"-19	29	22	<a href="#">151TA4733</a>
AGR-3/8"-DN 12	1/2"	3/8"-19	29	22	<a href="#">151TA4734</a>
AGR-1/2"-DN 06	1/4"	1/2"-14	32	27	<a href="#">151TA4735</a>
AGR-1/2"-DN 08	5/16"	1/2"-14	32	27	<a href="#">151TA4736</a>
AGR-1/2"-DN 10	3/8"	1/2"-14	32	27	<a href="#">151TA4737</a>
AGR-1/2"-DN 12	1/2"	1/2"-14	33	27	<a href="#">151TA4738</a>
AGR-1/2"-DN 16	5/8"	1/2"-14	33	27	<a href="#">151TA4739</a>
AGR-1/2"-DN 19	3/4"	1/2"-14	34	27	<a href="#">167TA2248</a>
AGR-5/8"-DN12	1/2"	5/8"-14	34.5	30	<a href="#">151TA4740</a>
AGR-5/8"-DN 16	5/8"	5/8"-14	34.5	30	<a href="#">151TA4741</a>
AGR-5/8"-DN 19	3/4"	5/8"-14	36	30	<a href="#">167TA2249</a>
AGR-3/4"-DN 12	1/2"	3/4"-14	36	32	<a href="#">151TA4742</a>
AGR-3/4"-DN 16	5/8"	3/4"-14	36	32	<a href="#">151TA4743</a>
AGR-3/4"-DN 19	3/4"	3/4"-14	37	32	<a href="#">151TA4744</a>
AGR-3/4"-DN 25	1"	3/4"-14	38	32	<a href="#">167TA2250</a>
AGR-1"-DN 16	5/8"	1"-11	38	40	<a href="#">167TA2251</a>
AGR-1"-DN 19	3/4"	1"-11	40	38	<a href="#">151TA4745</a>
AGR-1"-DN 25	1"	1"-11	40	38	<a href="#">151TA4746</a>
AGR-1 1/4"-DN 25	1"	1 1/4"-11	45	50	<a href="#">167TA2252</a>
AGR-1 1/4"-DN 31	1 1/4"	1 1/4"-11	46	50	<a href="#">151TA4747</a>
AGR-1 1/2"-DN 31	1 1/4"	1 1/2"-11	46	55	<a href="#">167TA2253</a>
AGR-1 1/2"-DN 38	1 1/2"	1 1/2"-11	46	55	<a href="#">151TA4748</a>
AGR-2"-DN 38	1 1/2"	2"-11	53	70	<a href="#">167TA2254</a>
AGR-2"-DN 51	2"	2"-11	54	70	<a href="#">151TA4749</a>



## BSPP MALE - 60° CONE - TAPERED

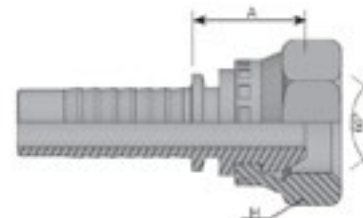
Description	Hoses	Thread	A mm	Hexagon	REF
AGR-K-1/8"-DN 05	3/16"	1/8"-28	22	12	<a href="#">151TA4791</a>
AGR-K-1/8"-DN 06	1/4"	1/8"-28	22.5	12	<a href="#">151TA4792</a>
AGR-K-1/4"-DN 05	3/16"	1/4"-19	15	22	<a href="#">167TA2255</a>
AGR-K-1/4"-DN 06	1/4"	1/4"-19	27	15	<a href="#">151TA4793</a>
AGR-K-1/4"-DN 08	5/16"	1/4"-19	27	15	<a href="#">151TA4794</a>
AGR-K-1/4"-DN 10	3/8"	1/4"-19	28	15	<a href="#">151TA4795</a>
AGR-K-3/8"-DN 06	1/4"	3/8"-19	28	19	<a href="#">151TA4796</a>
AGR-K-3/8"-DN 08	5/16"	3/8"-19	28	19	<a href="#">151TA4797</a>
AGR-K-3/8"-DN 10	3/8"	3/8"-19	28	19	<a href="#">151TA4798</a>
AGR-K-3/8"-DN 12	1/2"	3/8"-19	28	19	<a href="#">151TA4799</a>
AGR-K-1/2"-DN 10	3/8"	1/2"-14	34	22	<a href="#">151TA4801</a>
AGR-K-1/2"-DN 12	1/2"	1/2"-14	34.5	22	<a href="#">151TA4802</a>
AGR-K-1/2"-DN 16	5/8"	1/2"-14	34.5	24	<a href="#">151TA4803</a>
AGR-K-3/4"-DN 16	5/8"	3/4"-14	36.5	27	<a href="#">151TA4805</a>
AGR-K-3/4"-DN 19	3/4"	3/4"-14	37	27	<a href="#">151TA4806</a>
AGR-K-1"-DN 19	3/4"	1"-11	45	36	<a href="#">151TA4807</a>
AGR-K-1"-DN 25	1"	1"-11	46	36	<a href="#">151TA4808</a>
AGR-K-1 1/4"-DN 25	1"	1 1/4"-11	45.5	46	<a href="#">167TA2256</a>
AGR-K-1 1/4"-DN 31	1 1/4"	1 1/4"-11	46	46	<a href="#">151TA4809</a>
AGR-K-1 1/2"-DN 31	1 1/4"	1 1/2"-11	47	50	<a href="#">167TA2257</a>
AGR-K-1 1/2"-DN 38	1 1/2"	1 1/2"-11	47.3	50	<a href="#">151TA4810</a>
AGR-K-2"-DN 51	2"	2"-11	57	65	<a href="#">151TA4811</a>



# HYDRAULIC CRIMP FITTINGS

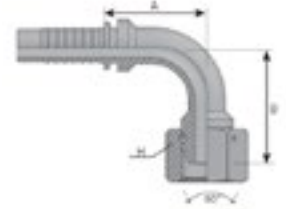
## BSPP FEMALE - 60° CONE

Description	Hoses	Thread	A mm	Hexagon	REF
DKR-1/8"-DN 05	3/16"	1/8"-28	18	15	<a href="#">151TA4613</a>
DKR-1/8"-DN 06	1/4"	1/8"-28	18	15	<a href="#">151TA4614</a>
DKR-1/4"-DN 05	3/16"	1/4"-19	18	19	<a href="#">151TA4615</a>
DKR-1/4"-DN 06	1/4"	1/4"-19	18	19	<a href="#">151TA4616</a>
DKR-1/4"-DN 08	5/16"	1/4"-19	18	19	<a href="#">151TA4617</a>
DKR-1/4"-DN 10	3/8"	1/4"-19	19	19	<a href="#">151TA4618</a>
DKR-3/8"-DN 06	1/4"	3/8"-19	19	22	<a href="#">151TA4619</a>
DKR-3/8"-DN 08	5/16"	3/8"-19	19	22	<a href="#">151TA4620</a>
DKR-3/8"-DN 10	3/8"	3/8"-19	20	22	<a href="#">151TA4621</a>
DKR-3/8"-DN 12	1/2"	3/8"-19	20	19	<a href="#">151TA4622</a>
DKR-1/2"-DN 06	1/4"	1/2"-14	21	27	<a href="#">151TA4623</a>
DKR-1/2"-DN 08	5/16"	1/2"-14	21	27	<a href="#">151TA4624</a>
DKR-1/2"-DN 10	3/8"	1/2"-14	21	27	<a href="#">151TA4625</a>
DKR-1/2"-DN 12	1/2"	1/2"-14	22	27	<a href="#">151TA4626</a>
DKR-1/2"-DN 16	5/8"	1/2"-14	22	27	<a href="#">151TA4627</a>
DKR-1/2"-DN 19	3/4"	1/2"-14	22.5	27	<a href="#">151TA4628</a>
DKR-5/8"-DN 12	1/2"	5/8"-14	22	28	<a href="#">151TA4629</a>
DKR-5/8"-DN 16	5/8"	5/8"-14	23	28	<a href="#">151TA4630</a>
DKR-5/8"-DN 19	3/4"	5/8"-14	24	28	<a href="#">151TA4631</a>
DKR-3/4"-DN 12	1/2"	3/4"-14	24	32	<a href="#">151TA4632</a>
DKR-3/4"-DN 16	5/8"	3/4"-14	24	32	<a href="#">151TA4633</a>
DKR-3/4"-DN 19	3/4"	3/4"-14	25	32	<a href="#">151TA4634</a>
DKR-3/4"-DN 25	1"	3/4"-14	26	32	<a href="#">151TA4635</a>
DKR-1"-DN 19	3/4"	1"-11	26	38	<a href="#">151TA4637</a>
DKR-1"-DN 25	1"	1"-11	27	38	<a href="#">151TA4638</a>
DKR-1 1/4"-DN 25	1"	1 1/4"-11	30	50	<a href="#">151TA4639</a>
DKR-1 1/4"-DN 31	1 1/4"	1 1/4"-11	30	50	<a href="#">151TA4640</a>
DKR-1 1/2"-DN 31	1 1/4"	1 1/2"-11	32	55	<a href="#">167TA2258</a>
DKR-1 1/2"-DN 38	1 1/2"	1 1/2"-11	32	55	<a href="#">151TA4641</a>
DKR-2"-DN 50	2"	2"	37	70	<a href="#">151TA4642</a>



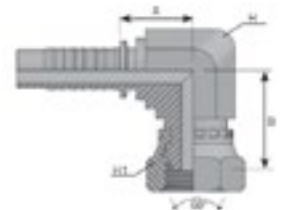
### **BSPP FEMALE - 60° CONE - 90° ELBOW**

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKR-1/8"-90°-DN 05	3/16"	1/8"-28	23	29	15	<a href="#">151TA4677</a>
DKR-1/8"-90°-DN 06	1/4"	1/8"-28	23	29	15	<a href="#">151TA4678</a>
DKR-1/4"-90°-DN 05	3/16"	1/4"-19	23	29	19	<a href="#">151TA4679</a>
DKR-1/4"-90°-DN 06	1/4"	1/4"-19	23	29	19	<a href="#">151TA4680</a>
DKR-1/4"-90°-DN 08	5/16"	1/4"-19	31.5	33.5	19	<a href="#">151TA4681</a>
DKR-1/4"-90°-DN 10	3/8"	1/4"-19	33	37	19	<a href="#">151TA4682</a>
DKR-3/8"-90°-DN 06	1/4"	3/8"-19	23	32	22	<a href="#">151TA4683</a>
DKR-3/8"-90°-DN 08	5/16"	3/8"-19	31.5	35.5	22	<a href="#">151TA4684</a>
DKR-3/8"-90°-DN 10	3/8"	3/8"-19	33	38	22	<a href="#">151TA4685</a>
DKR-3/8"-90°-DN 12	1/2"	3/8"-19	39	43	22	<a href="#">151TA4686</a>
DKR-1/2"-90°-DN 06	1/4"	1/2"-14	31.5	30	27	<a href="#">167TA2259</a>
DKR-1/2"-90°-DN 08	5/16"	1/2"-14	31.5	39	27	<a href="#">151TA4687</a>
DKR-1/2"-90°-DN 10	3/8"	1/2"-14	33	42	27	<a href="#">151TA4688</a>
DKR-1/2"-90°-DN 12	1/2"	1/2"-14	39	45	27	<a href="#">151TA4689</a>
DKR-1/2"-90°-DN 16	5/8"	1/2"-14	49	54	27	<a href="#">151TA4690</a>
DKR-1/2"-90°-DN 19	3/4"	1/2"-14	53.5	56	27	<a href="#">167TA2260</a>
DKR-5/8"-90°-DN 12	1/2"	5/8"-14	39	51	28	<a href="#">151TA4691</a>
DKR-5/8"-90°-DN 16	5/8"	5/8"-14	49	54	28	<a href="#">151TA4692</a>
DKR-5/8"-90°-DN 19	3/4"	5/8"-14	53.5	56	28	<a href="#">167TA2261</a>
DKR-3/4"-90°-DN 12	1/2"	3/4"-14	39	51	32	<a href="#">151TA4693</a>
DKR-3/4"-90°-DN 16	5/8"	3/4"-14	49	56	32	<a href="#">151TA4694</a>
DKR-3/4"-90°-DN 19	3/4"	3/4"-14	53.5	59	32	<a href="#">151TA4695</a>
DKR-3/4"-90°-DN 25	1"	3/4"-14	68.5	72	32	<a href="#">151TA4696</a>
DKR-1"-90°-DN 19	3/4"	1"-11	53.5	65	38	<a href="#">151TA4697</a>
DKR-1"-90°-DN 25	1"	1"-11	73	72	38	<a href="#">151TA4698</a>
DKR-1 1/4"-90°-DN 25	1"	1 1/4"-11	73	80	50	<a href="#">151TA4699</a>
DKR-1 1/4"-90°-DN 31	1 1/4"	1 1/4"-11	89	93	50	<a href="#">151TA4700</a>
DKR-1 1/2"-90°-DN 31	1 1/4"	1 1/2"-11	89	98.5	55	<a href="#">167TA2262</a>
DKR-1 1/2"-90°-DN 38	1 1/2"	1 1/2"-11	101	114	55	<a href="#">151TA4701</a>
DKR-2"-90°-DN 51	2"	2"-11	135	136	70	<a href="#">151TA4702</a>



### **BSPP FEMALE - 60° CONE - 90° ELBOW (COMPACT FORGED)**

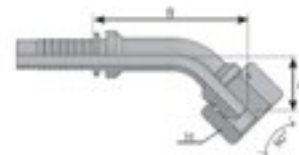
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKR-1/4"-90°-DN 06K	1/4"	1/4"-19	19	26.7	14	<a href="#">151TA4705</a>
DKR-3/8"-90°-DN 06K	1/4"	3/8"-19	21.5	28	19	<a href="#">151TA4706</a>
DKR-3/8"-90°-DN 08K	5/16"	3/8"-19	21.5	28	19	<a href="#">151TA4707</a>
DKR-3/8"-90°-DN 10K	3/8"	3/8"-19	21.5	28	19	<a href="#">151TA4708</a>
DKR-1/2"-90°-DN 10K	3/8"	1/2"-14	24	32.5	22	<a href="#">151TA4710</a>
DKR-1/2"-90°-DN 12K	1/2"	1/2"-14	24	32.5	22	<a href="#">151TA4711</a>
DKR-3/4"-90°-DN 19K	3/4"	3/4"-14	25	39.5	27	<a href="#">151TA4715</a>
DKR-1"-90°-DN 25K	1"	1"-11	32.5	43.5	33	<a href="#">151TA4717</a>



# HYDRAULIC CRIMP FITTINGS

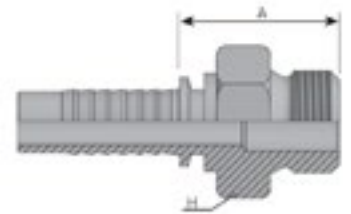
## BSPP FEMALE - 60° CONE - 45° ELBOW

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKR-1/8"-45°-DN 05	3/16"	1/8"-28	40	17	15	<a href="#">151TA4643</a>
DKR-1/8"-45°-DN 06	1/4"	1/8"-28	40	17	15	<a href="#">151TA4644</a>
DKR-1/4"-45°-DN 05	3/16"	1/4"-19	40	17	19	<a href="#">151TA4645</a>
DKR-1/4"-45°-DN 06	1/4"	1/4"-19	40	17	19	<a href="#">151TA4646</a>
DKR-1/4"-45°-DN 08	5/16"	1/4"-19	51	20	19	<a href="#">151TA4647</a>
DKR-1/4"-45°-DN 10	3/8"	1/4"-19	54	19	19	<a href="#">151TA4648</a>
DKR-3/8"-45°-DN 06	1/4"	3/8"-19	43	20	22	<a href="#">151TA4649</a>
DKR-3/8"-45°-DN 08	5/16"	3/8"-19	52	21	22	<a href="#">151TA4650</a>
DKR-3/8"-45°-DN 10	3/8"	3/8"-19	55	20	22	<a href="#">151TA4651</a>
DKR-3/8"-45°-DN 12	1/2"	3/8"-19	63	20	22	<a href="#">151TA4652</a>
DKR-1/2"-45°-DN 06	1/4"	1/2"-14	55	24	27	<a href="#">167TA2263</a>
DKR-1/2"-45°-DN 08	5/16"	1/2"-14	55	24	27	<a href="#">151TA4653</a>
DKR-1/2"-45°-DN 10	3/8"	1/2"-14	58	23	27	<a href="#">151TA4654</a>
DKR-1/2"-45°-DN 12	1/2"	1/2"-14	65	23	27	<a href="#">151TA4655</a>
DKR-1/2"-45°-DN 16	5/8"	1/2"-14	63	25	27	<a href="#">151TA4656</a>
DKR-1/2"-45°-DN 19	3/4"	1/2"-14	62	28	27	<a href="#">167TA2270</a>
DKR-5/8"-45°-DN 12	1/2"	5/8"-14	65	23	28	<a href="#">151TA4657</a>
DKR-5/8"-45°-DN 16	5/8"	5/8"-14	64	25	28	<a href="#">151TA4658</a>
DKR-5/8"-45°-DN 19	3/4"	5/8"-14	63	29	28	<a href="#">167TA2271</a>
DKR-3/4"-45°-DN 12	1/2"	3/4"-14	66	21	32	<a href="#">167TA2272</a>
DKR-3/4"-45°-DN 16	5/8"	3/4"-14	64	26	32	<a href="#">151TA4659</a>
DKR-3/4"-45°-DN 19	3/4"	3/4"-14	63	29	32	<a href="#">151TA4660</a>
DKR-3/4"-45°-DN 25	1"	3/4"-14	88	39	32	<a href="#">167TA2273</a>
DKR-1"-45°-DN 19	3/4"	1"-11	65	31	38	<a href="#">151TA4661</a>
DKR-1"-45°-DN 25	1"	1"-11	90	41	38	<a href="#">151TA4662</a>
DKR-1 1/4"-45°-DN 25	1"	1 1/4"-11	93	44	50	<a href="#">151TA4663</a>
DKR-1 1/4"-45°-DN 31	1 1/4"	1 1/4"-11	102	44	50	<a href="#">151TA4664</a>
DKR-1 1/2"-45°-DN 31	1 1/4"	1 1/2"-11	103	45	55	<a href="#">167TA2274</a>
DKR-1 1/2"-45°-DN 38	1 1/2"	1 1/2"-11	118	45	55	<a href="#">151TA4665</a>
DKR-2"-45°-DN 51	2"	2"-11	145	55	70	<a href="#">151TA4666</a>



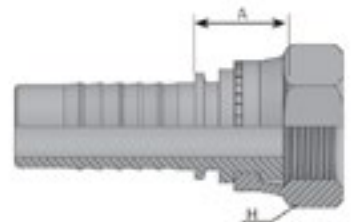
### HYDRAULIC PRESS COUPLING BSPP FLAT SEALING - MALE

Description	Hoses	Thread	A mm	Hexagon	REF
AGR-F-1/4"-DN 06	1/4"	1/4"-19	27	19	<a href="#">167TA2275</a>
AGR-F-3/8"-DN 06	1/4"	3/8"-19	29	22	<a href="#">167TA2276</a>
AGR-F-3/8"-DN 08	5/16"	3/8"-19	29	22	<a href="#">167TA2277</a>
AGR-F-3/8"-DN 10	3/8"	3/8"-19	28.5	22	<a href="#">167TA2278</a>
AGR-F-1/2"-DN 10	3/8"	1/2"-14	32	27	<a href="#">151TA4789</a>
AGR-F-1/2"-DN 12	1/2"	1/2"-14	32	27	<a href="#">151TA4790</a>
AGR-F-5/8"-DN 12	1/2"	5/8"-14	35	30	<a href="#">167TA2279</a>
AGR-F-5/8"-DN 16	5/8"	5/8"-14	35	30	<a href="#">167TA2280</a>
AGR-F-3/4"-DN 12	1/2"	3/4"-14	36	32	<a href="#">167TA2281</a>
AGR-F-3/4"-DN 16	5/8"	3/4"-14	36	32	<a href="#">167TA2282</a>
AGR-F-3/4"-DN 19	3/4"	3/4"-14	37	32	<a href="#">167TA2283</a>
AGR-F-1"-DN 19	3/4"	1"-11	40	38	<a href="#">167TA2284</a>
AGR-F-1"-DN 25	1"	1"-11	39.5	38	<a href="#">167TA2285</a>
AGR-F-1 1/4"-DN 31	1 1/4"	1 1/4"-11	46	50	<a href="#">167TA2286</a>
AGR-F-1 1/2"-DN 38	1 1/2"	1 1/2"-11	43	55	<a href="#">167TA2287</a>



### HYDRAULIC PRESS COUPLING BSPP FLAT SEALING - FEMALE

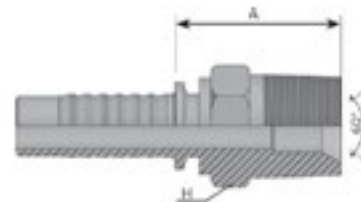
Description	Hoses	Thread	A mm	Hexagon	REF
DKR-F-1/4"-DN 06	1/4"	1/4"-19	14	19	<a href="#">151TA4762</a>
DKR-F-3/8"-DN 06	1/4"	3/8"-19	15	22	<a href="#">151TA4765</a>
DKR-F-3/8"-DN 08	5/16"	3/8"-19	15	22	<a href="#">151TA4766</a>
DKR-F-3/8"-DN 10	3/8"	3/8"-19	16	22	<a href="#">151TA4767</a>
DKR-F-1/2"-DN 10	3/8"	1/2"-14	17	27	<a href="#">151TA4770</a>
DKR-F-1/2"-DN 12	1/2"	1/2"-14	17	27	<a href="#">151TA4771</a>
DKR-F-5/8"-DN 12	1/2"	5/8"-14	17	28	<a href="#">151TA4772</a>
DKR-F-3/4"-DN 12	1/2"	3/4"-14	19	32	<a href="#">151TA4774</a>
DKR-F-5/8"-DN 16	5/8"	5/8"-14	17	28	<a href="#">151TA4773</a>
DKR-F-3/4"-DN 16	5/8"	3/4"-14	20	32	<a href="#">151TA4775</a>
DKR-F-3/4"-DN 19	3/4"	3/4"-14	21	32	<a href="#">151TA4776</a>
DKR-F-1"-DN 19	3/4"	1"-11	22	38	<a href="#">151TA4777</a>
DKR-F-1"-DN 25	1"	1"-11	23	38	<a href="#">151TA4778</a>
DKR-F-1 1/4"-DN 31	1 1/4"	1 1/4"-11	26	50	<a href="#">151TA4779</a>



# HYDRAULIC CRIMP FITTINGS

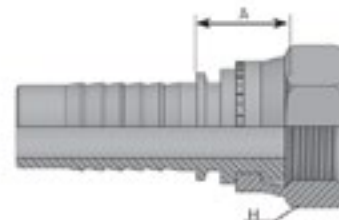
## NPTF MALE - 60° CONE

Description	Hoses	Thread	A mm	Hexagon	REF
AGN-1/8"-DN 05	3/16"	1/8"-27 NPT	22	12	<a href="#">151TA4812</a>
AGN-1/8"-DN 06	1/4"	1/8"-27 NPT	22.5	12	<a href="#">151TA4813</a>
AGN-1/4"-DN 05	3/16"	1/4"-18 NPT	22	15	<a href="#">151TA4814</a>
AGN-1/4"-DN 06	1/4"	1/4"-18 NPT	27	15	<a href="#">151TA4815</a>
AGN-1/4"-DN 08	5/16"	1/4"-18 NPT	27	15	<a href="#">151TA4816</a>
AGN-1/4"-DN 10	3/8"	1/4"-18 NPT	28	15	<a href="#">151TA4817</a>
AGN-3/8"-DN 06	1/4"	3/8"-18 NPT	28	19	<a href="#">151TA4819</a>
AGN-3/8"-DN 08	5/16"	3/8"-18 NPT	28	19	<a href="#">151TA4820</a>
AGN-3/8"-DN 10	3/8"	3/8"-18 NPT	28	19	<a href="#">151TA4821</a>
AGN-3/8"-DN 12	1/2"	3/8"-18 NPT	28	19	<a href="#">151TA4822</a>
AGN-1/2"-DN 06	1/4"	1/2"-14 NPT	34	22	<a href="#">167TA2288</a>
AGN-1/2"-DN 08	5/16"	1/2"-14 NPT	28	22	<a href="#">167TA2289</a>
AGN-1/2"-DN 10	3/8"	1/2"-14 NPT	34	22	<a href="#">151TA4823</a>
AGN-1/2"-DN 12	1/2"	1/2"-14 NPT	34.5	22	<a href="#">151TA4824</a>
AGN-1/2"-DN 16	5/8"	1/2"-14 NPT	34.5	24	<a href="#">151TA4825</a>
AGN-1/2"-DN 19	3/4"	1/2"-14 NPT	34.5	24	<a href="#">151TA4826</a>
AGN-3/4"-DN 12	1/2"	3/4"-14 NPT	34.5	27	<a href="#">151TA4828</a>
AGN-3/4"-DN 16	5/8"	3/4"-14 NPT	36.5	27	<a href="#">151TA4829</a>
AGN-3/4"-DN 19	3/4"	3/4"-14 NPT	37	27	<a href="#">151TA4830</a>
AGN-3/4"-DN 25	1"	3/4"-14 NPT	38	32	<a href="#">151TA4831</a>
AGN-1"-DN 19	3/4"	1"-11.5 NPT	45	36	<a href="#">151TA4832</a>
AGN-1"-DN 25	1"	1"-11.5 NPT	46	36	<a href="#">151TA4833</a>
AGN-1 1/4"-DN 25	1"	1 1/4"-11.5 NPT	45.5	46	<a href="#">151TA4834</a>
AGN-1 1/4"-DN 31	1 1/4"	1 1/4"-11.5 NPT	46	46	<a href="#">151TA4835</a>
AGN-1 1/2"-DN 31	1 1/4"	1 1/2"-11.5 NPT	47	50	<a href="#">167TA2290</a>
AGN-1 1/2"-DN 38	1 1/2"	1 1/2"-11.5 NPT	47.3	50	<a href="#">151TA4836</a>
AGN-2"-DN 51	2"	2"-11.5 NPT	57	65	<a href="#">151TA4837</a>



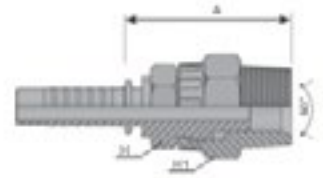
## NPSM FEMALE - 60° CONE

Description	Hoses	Thread	A mm	Hexagon	REF
DKR-NPT-1/4"-DN 06	1/4"	1/4"-18 NPT	24	19	<a href="#">167TA2291</a>
DKR-NPT-3/8"-DN 10	3/8"	3/8"-18 NPT	26.5	22	<a href="#">167TA2292</a>
DKR-NPT-1/2"-DN 12	1/2"	1/2"-14 NPT	29	22	<a href="#">167TA2293</a>
DKR-NPT-3/4"-DN 19	3/4"	3/4"-14 NPT	37	27	<a href="#">167TA2294</a>
DKR-NPT-1"-DN 25	1"	1"-11.5 NPT	40.5	32	<a href="#">167TA2295</a>
DKR-NPT-1 1/4"-DN 31	1 1/4"	1 1/4"-11.5 NPT	43	41	<a href="#">167TA2296</a>



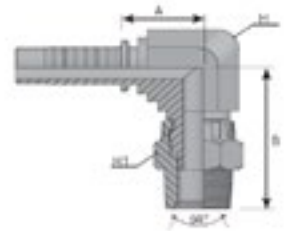
### HYDRAULIC PRESS COUPLING NPTF - MALE - ROTATING

Description	Hoses	Thread	A mm	Hexagon	H1	REF
AGN-1/4"-DN 06-SW	1/4"	1/4"-18	53	14	17	<a href="#">151TA4838</a>
AGN-3/8"-DN 06-SW	1/4"	3/8"-18	58.4	17	22	<a href="#">151TA4839</a>
AGN-1/4"-DN 10-SW	3/8"	1/4"-18	56	17	17	<a href="#">167TA7951</a>
AGN-3/8"-DN 10-SW	3/8"	3/8"-18	58.4	17	22	<a href="#">151TA4840</a>
AGN-1/2"-DN 10-SW	3/8"	1/2"-14	63	22	27	<a href="#">167TA7952</a>
AGN-3/8"-DN 12-SW	1/2"	3/8"-18	59.4	22	22	<a href="#">151TA4841</a>
AGN-1/2"-DN 12-SW	1/2"	1/2"-14	63.5	22	27	<a href="#">151TA4843</a>
AGN-3/4"-DN 12-SW	1/2"	3/4"-14	71.5	27	32	<a href="#">167TA7953</a>
AGN-3/4"-DN 19-SW	3/4"	3/4"-14	72	32	32	<a href="#">151TA4844</a>
AGN-1"-DN 25-SW	1"	1"-11.5	79.4	38	38	<a href="#">151TA4845</a>



### HYDRAULIC PRESS COUPLING NPTF - MALE - 90° - ROTATING

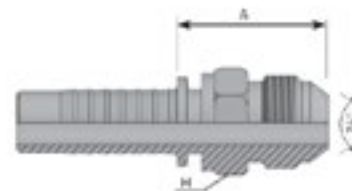
Description	Hoses	Thread	A mm	B mm	Hexagon	H1	REF
AGN-1/4"-90°-DN 06K-SW	1/4"	1/4"-18	23	56	22	17	<a href="#">167TA7954</a>
AGN-3/8"-90°-DN 06K-SW	1/4"	3/8"-18	23	58.4	22	22	<a href="#">167TA7955</a>
AGN-1/4"-90°-DN 10K-SW	3/8"	1/4"-18	23	56	22	17	<a href="#">167TA7956</a>
AGN-3/8"-90°-DN 10K-SW	3/8"	3/8"-18	23	58.4	22	22	<a href="#">167TA7957</a>
AGN-1/2"-90°-DN 10K-SW	3/8"	1/2"-14	23	62.3	22	22	<a href="#">167TA7958</a>
AGN-3/8"-90°-DN 12K-SW	1/2"	3/8"-18	23.5	58.4	22	27	<a href="#">167TA7959</a>
AGN-1/2"-90°-DN 12K-SW	1/2"	1/2"-14	23.5	62.3	22	27	<a href="#">167TA7960</a>
AGN-3/4"-90°-DN 12K-SW	1/2"	3/4"-14	25	72	27	32	<a href="#">167TA7961</a>
AGN-3/4"-90°-DN 19K-SW	3/4"	3/4"-14	25	72	27	32	<a href="#">167TA7962</a>
AGN-1"-90°-DN 25K-SW	1"	1"-11.5	32.5	77.9	33	38	<a href="#">167TA7963</a>



# HYDRAULIC CRIMP FITTINGS

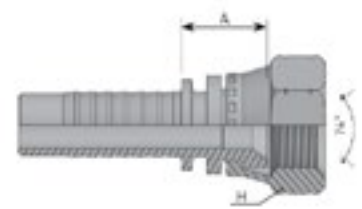
## JIC 37° - MALE

Description	Hoses	Thread	A mm	Hexagon	REF
AGJ-7/16"-DN 05	3/16"	7/16"-20	27	12	<a href="#">151TA4952</a>
AGJ-7/16"-DN 06	1/4"	7/16"-20	27	12	<a href="#">151TA4953</a>
AGJ-1/2"-DN 05	3/16"	1/2"-20	27	14	<a href="#">167TA2326</a>
AGJ-1/2"-DN 06	1/4"	1/2"-20	27	14	<a href="#">151TA4955</a>
AGJ-1/2"-DN 08	5/16"	1/2"-20	27	14	<a href="#">151TA4956</a>
AGJ-9/16"-DN 06	1/4"	9/16"-18	28	15	<a href="#">151TA4958</a>
AGJ-9/16"-DN 08	5/16"	9/16"-18	28	15	<a href="#">151TA4959</a>
AGJ-9/16"-DN 10	3/8"	9/16"-18	28	15	<a href="#">151TA4960</a>
AGJ-5/16"-DN 16	5/8"	5/16"-18	29.5	17	<a href="#">167TA2327</a>
AGJ-5/16"-DN 19	3/4"	5/16"-16	29.5	19	<a href="#">151TA4961</a>
AGJ-5/8"-DN 10	3/8"	5/8"-18	29.5	17	<a href="#">167TA2328</a>
AGJ-3/4"-DN 10	3/8"	3/4"-16	30.5	19	<a href="#">151TA4962</a>
AGJ-3/4"-DN 12	1/2"	3/4"-16	31	19	<a href="#">151TA4963</a>
AGJ-7/8"-DN 10	3/8"	7/8"-14	34.5	24	<a href="#">151TA4964</a>
AGJ-7/8"-DN 12	1/2"	7/8"-14	35	24	<a href="#">151TA4965</a>
AGJ-7/8"-DN 16	5/8"	7/8"-14	35	24	<a href="#">151TA4966</a>
AGJ-7/8"-DN 19	3/4"	7/8"-14	37	27	<a href="#">167TA2329</a>
AGJ-1 1/16"-DN 12	1/2"	1 1/16"-12	39.5	27	<a href="#">151TA4967</a>
AGJ-1 1/16"-DN 16	5/8"	1 1/16"-12	39.5	27	<a href="#">151TA4968</a>
AGJ-1 1/16"-DN 19	3/4"	1 1/16"-12	40.5	27	<a href="#">151TA4969</a>
AGJ-1 3/16"-DN 19	3/4"	1 3/16"-12	41.5	32	<a href="#">151TA4972</a>
AGJ-1 5/16"-DN 19	3/4"	1 5/16"-12	41.5	34	<a href="#">151TA4975</a>
AGJ-1 1/16"-DN 25	1"	1 1/16"-12	41.5	32	<a href="#">151TA4970</a>
AGJ-1 5/16"-DN 25	1"	1 5/16"-12	42.5	34	<a href="#">151TA4976</a>
AGJ-1 5/8"-DN 25	1"	1 5/8"-12	45	42	<a href="#">151TA4977</a>
AGJ-1 5/8"-DN 31	1 1/4"	1 5/8"-12	45.5	42	<a href="#">151TA4978</a>
AGJ-1 7/8"-DN 31	1 1/4"	1 7/8"-12	52.5	50	<a href="#">167TA2330</a>
AGJ-1 7/8"-DN 38	1 1/2"	1 7/8"-12	52.5	50	<a href="#">151TA4979</a>
AGJ-2 1/2"-DN 51	2"	2 1/2"-12	65	62	<a href="#">151TA4980</a>



## JIC 37° - FEMALE STRAIGHT

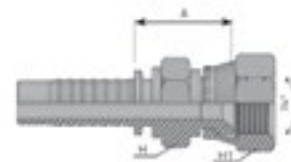
Description	Hoses	Thread	A mm	Hexagon	REF
DKJ-7/16"-DN 05	3/16"	7/16"-20	15	15	<a href="#">151TA4850</a>
DKJ-7/16"-DN 06	1/4"	7/16"-20	15	15	<a href="#">151TA4851</a>
DKJ-1/2"-DN 05	3/16"	1/2"-20	15	17	<a href="#">151TA4853</a>
DKJ-1/2"-DN 06	1/4"	1/2"-20	16	17	<a href="#">151TA4854</a>
DKJ-1/2"-DN 08	5/16"	1/2"-20	16	17	<a href="#">151TA4855</a>
DKJ-9/16"-DN 06	1/4"	9/16"-18	16	19	<a href="#">151TA4857</a>
DKJ-9/16"-DN 08	5/16"	9/16"-18	16	19	<a href="#">151TA4858</a>
DKJ-9/16"-DN 10	3/8"	9/16"-18	16.5	19	<a href="#">151TA4859</a>
DKJ-5/8"-DN 08	5/16"	5/8"-18	17	22	<a href="#">167TA2331</a>
DKJ-5/8"-DN 10	3/8"	5/8"-18	17	22	<a href="#">167TA2332</a>
DKJ-3/4"-DN 08	5/16"	3/4"-16	17	24	<a href="#">151TA4861</a>
DKJ-3/4"-DN 10	3/8"	3/4"-16	17	24	<a href="#">151TA4862</a>
DKJ-3/4"-DN 12	1/2"	3/4"-16	18	24	<a href="#">151TA4863</a>
DKJ-7/8"-DN 10	3/8"	7/8"-14	19	27	<a href="#">151TA4866</a>
DKJ-7/8"-DN 12	1/2"	7/8"-14	19	27	<a href="#">151TA4867</a>
DKJ-7/8"-DN 16	5/8"	7/8"-14	19.5	27	<a href="#">151TA4868</a>
DKJ-7/8"-DN 19	3/4"	7/8"-14	20	27	<a href="#">151TA4869</a>
DKJ-1 1/16"-DN 12	1/2"	1 1/16"-12	22	32	<a href="#">151TA4870</a>
DKJ-1 1/16"-DN 16	5/8"	1 1/16"-12	22.5	32	<a href="#">151TA4871</a>
DKJ-1 1/16"-DN 19	3/4"	1 1/16"-12	23	32	<a href="#">151TA4872</a>
DKJ-1 3/16"-DN 19	3/4"	1 3/16"-12	23	36	<a href="#">151TA4874</a>
DKJ-1 5/16"-DN 19	3/4"	1 5/16"-12	23	41	<a href="#">151TA4876</a>
DKJ-1 1/16"-DN 25	1"	1 1/16"-12	24	32	<a href="#">151TA4873</a>
DKJ-1 5/16"-DN 25	1"	1 5/16"-12	24.5	41	<a href="#">151TA4877</a>
DKJ-1 5/8"-DN 25	1"	1 5/8"-12	28.5	50	<a href="#">151TA4878</a>
DKJ-1 5/8"-DN 31	1 1/4"	1 5/8"-12	29	50	<a href="#">151TA4879</a>
DKJ-1 7/8"-DN 31	1 1/4"	1 7/8"-12	31	55	<a href="#">167TA2333</a>
DKJ-1 7/8"-DN 38	1 1/2"	1 7/8"-12	31	55	<a href="#">151TA4880</a>
DKJ-2 1/2"-DN51	2"	2 1/2"-12	31	70	<a href="#">151TA4881</a>



# HYDRAULIC CRIMP FITTINGS

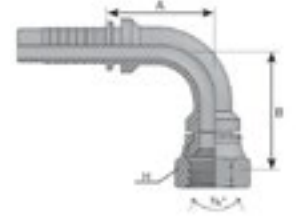
## HYDRAULIC PRESS COUPLING JIC 37° - FEMALE - DOUBLE HEXAGON

Description	Hoses	Thread	A mm	Hexagon	H1	REF
DKJ-7/16"-DN 06-HEX	1/4"	7/16"-20	23.5	14	15	<a href="#">167TA3255</a>
DKJ-1/2"-DN 06-HEX	1/4"	1/2"-20	24	14	17	<a href="#">167TA3256</a>
DKJ-9/16"-DN 06-HEX	1/4"	9/16"-18	25.7	17	19	<a href="#">167TA3257</a>
DKJ-1/2"-DN 08-HEX	5/16"	1/2"-20	-	-	-	<a href="#">167TA3258</a>
DKJ-9/16"-DN 08-HEX	5/16"	9/16"-18	25.2	17	19	<a href="#">167TA3259</a>
DKJ-1/2"-DN 10-HEX	3/8"	1/2"-20	22.5	17	17	<a href="#">167TA3260</a>
DKJ-9/16"-DN 10-HEX	3/8"	9/16"-18	25.2	17	19	<a href="#">167TA3261</a>
DKJ-3/4"-DN 10-HEX	3/8"	3/4"-16	27.3	19	24	<a href="#">167TA3262</a>
DKJ-7/8"-DN 10-HEX	3/8"	7/8"-14	28.5	22	27	<a href="#">167TA3263</a>
DKJ-1 1/16"-DN 10-HEX	3/8"	1 1/16"-12	33.5	27	32	<a href="#">167TA3264</a>
DKJ-9/16"-DN 12-HEX	1/2"	9/16"-18	23.5	19	19	<a href="#">167TA3265</a>
DKJ-3/4"-DN 12-HEX	1/2"	3/4"-16	27.8	22	24	<a href="#">167TA3266</a>
DKJ-7/8"-DN 12-HEX	1/2"	7/8"-14	29.5	22	27	<a href="#">167TA3267</a>
DKJ-1 1/16"-DN 12-HEX	1/2"	1 1/16"-12	34	27	32	<a href="#">167TA3268</a>
DKJ-1 5/16"-DN 12-HEX	1/2"	1 5/16"-12	34	27	32	<a href="#">167TA3269</a>
DKJ-7/8"-DN 16-HEX	5/8"	7/8"-14	29.5	24	27	<a href="#">167TA3270</a>
DKJ-1 1/16"-DN 16-HEX	5/8"	1 1/16"-12	34	27	32	<a href="#">167TA3271</a>
DKJ-1 3/16"-DN 16-HEX	5/8"	1 3/16"-12	32.5	27	32	<a href="#">167TA3272</a>
DKJ-7/8"-DN 19-HEX	3/4"	7/8"-14	35.3	27	27	<a href="#">167TA3273</a>
DKJ-1 1/16"-DN 19-HEX	3/4"	1 1/16"-12	35	27	32	<a href="#">167TA3274</a>
DKJ-1 3/16"-DN 19-HEX	3/4"	1 3/16"-12	31	30	36	<a href="#">167TA3275</a>
DKJ-1 5/16"-DN 19-HEX	3/4"	1 5/16"-12	36	32	38	<a href="#">167TA3276</a>
DKJ-1 1/16"-DN 25-HEX	1"	1 1/16"-12	38	32	32	<a href="#">167TA3277</a>
DKJ-1 3/16"-DN 25-HEX	1"	1 3/16"-12	361	32	36	<a href="#">167TA3278</a>
DKJ-1 5/16"-DN 25-HEX	1"	1 5/16"-12	36	32	41	<a href="#">167TA3279</a>
DKJ-1 5/8"-DN 25-HEX	1"	1 5/8"-12	-	-	-	<a href="#">167TA3280</a>
DKJ-1 5/8"-DN 31-HEX	1 1/4"	1 5/8"-12	49.6	41	50	<a href="#">167TA3281</a>



## JIC 37° - FEMALE - 90° ELBOW

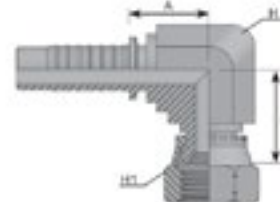
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-7/16"-90°-DN 05	3/16"	7/16"-20	23	26	15	<a href="#">151TA4910</a>
DKJ-7/16"-90°-DN 06	1/4"	7/16"-20	23	26	15	<a href="#">151TA4911</a>
DKJ-1/2"-90°-DN 05	3/16"	1/2"-20	23	27	17	<a href="#">167TA3282</a>
DKJ-1/2"-90°-DN 06	1/4"	1/2"-20	23	27	17	<a href="#">151TA4913</a>
DKJ-1/2"-90°-DN 08	5/16"	1/2"-20	31.5	32	17	<a href="#">151TA4914</a>
DKJ-9/16"-90°-DN 06	1/4"	9/16"-18	23	27	19	<a href="#">151TA4916</a>
DKJ-9/16"-90°-DN 08	5/16"	9/16"-18	31.5	32	19	<a href="#">151TA4917</a>
DKJ-5/8"-90°-DN 08	5/16"	5/8"-18	31.5	32.5	22	<a href="#">167TA3283</a>
DKJ-3/4"-90°-DN 08	5/16"	3/4"-16	31.5	32.5	24	<a href="#">151TA4919</a>
DKJ-9/16"-90°-DN 10	3/8"	9/16"-18	33	35	19	<a href="#">151TA4918</a>
DKJ-5/8"-90°-DN 10	3/8"	5/8"-18	33	35.5	22	<a href="#">167TA3284</a>
DKJ-3/4"-90°-DN 10	3/8"	3/4"-16	33	36.5	24	<a href="#">151TA4920</a>
DKJ-3/4"-90°-DN 12	1/2"	3/4"-16	39	41	24	<a href="#">151TA4921</a>
DKJ-7/8"-90°-DN 10	3/8"	7/8"-14	33	39.5	27	<a href="#">151TA4922</a>
DKJ-7/8"-90°-DN 12	1/2"	7/8"-14	39	42.5	27	<a href="#">151TA4923</a>
DKJ-7/8"-90°-DN 16	5/8"	7/8"-14	49	50	27	<a href="#">151TA4924</a>
DKJ-1 1/16"-90°-DN 12	1/2"	1 1/16"-12	39	50	32	<a href="#">151TA4925</a>
DKJ-1 1/16"-90°-DN 16	5/8"	1 1/16"-12	49	55	32	<a href="#">151TA4926</a>
DKJ-7/8"-90°-DN 19	3/4"	7/8"-14	53.5	58	27	<a href="#">167TA3285</a>
DKJ-1 1/16"-90°-DN 19	3/4"	1 1/16"-12	53.5	58	32	<a href="#">151TA4927</a>
DKJ-1 3/16"-90°-DN 19	3/4"	1 3/16"-12	53.5	61	36	<a href="#">151TA4929</a>
DKJ-1 5/16"-90°-DN 19	3/4"	1 5/16"-12	53.5	62.5	41	<a href="#">151TA4931</a>
DKJ-1 1/16"-90°-DN 25	1"	1 1/16"-12	69	80	32	<a href="#">167TA3286</a>
DKJ-1 5/16"-90°-DN 25	1"	1 5/16"-12	73	69.5	41	<a href="#">151TA4932</a>
DKJ-1 5/8"-90°-DN 25	1"	1 5/8"-12	73	78.5	50	<a href="#">151TA4933</a>
DKJ-1 5/8"-90°-DN 31	1 1/4"	1 5/8"-12	89	91.5	50	<a href="#">151TA4934</a>
DKJ-1 7/8"-90°-DN 31	1 1/4"	1 7/8"-12	89	99	55	<a href="#">167TA3287</a>
DKJ-1 7/8"-90°-DN 38	1 1/2"	1 7/8"-12	101	112.5	55	<a href="#">151TA4935</a>
DKJ-2 1/2"-90°-DN 51	2"	2 1/2"-12	139	128	70	<a href="#">151TA4936</a>



# HYDRAULIC CRIMP FITTINGS

## JIC 37° - FEMALE - 90° ELBOW (COMPACT FORGED)

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-7/16"-90°-DN 06K	1/4"	7/16"-20	19	21.5	14	<a href="#">151TA4937</a>
DKJ-1/2"-90°-DN 06K	1/4"	1/2"-20	19	21.5	14	<a href="#">151TA4938</a>
DKJ-9/16"-90°-DN 06K	1/4"	9/16"-18	19	23	14	<a href="#">151TA4939</a>
DKJ-9/16"-90°-DN 10K	3/8"	9/16"-18	22	25	19	<a href="#">151TA4941</a>
DKJ-3/4"-90°-DN 10K	3/8"	3/4"-16	22.5	28	19	<a href="#">151TA4943</a>
DKJ-3/4"-90°-DN 12K	1/2"	3/4"-16	24	28	22	<a href="#">151TA4944</a>
DKJ-1 1/16"-90°-DN 19K	3/4"	1 1/16"-12	25	36	27	<a href="#">151TA4948</a>
DKJ-1 5/16"-90°-DN 25K	1"	1 5/16"-12	32.5	41.5	33	<a href="#">151TA4951</a>



## JIC 37° - FEMALE - 90° ELBOW (LONG DROP)

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-7/16"-90°-DN 06L	1/4"	7/16"-20	28.5	45	17	<a href="#">167TA3288</a>
DKJ-1/2"-90°-DN 06L	1/4"	1/2"-20	28.5	45	17	<a href="#">167TA3289</a>
DKJ-9/16"-90°-DN 06L	1/4"	9/16"-18	29.5	55.5	19	<a href="#">167TA3290</a>
DKJ-9/16"-90°-DN 10L	3/8"	9/16"-18	35.5	55	19	<a href="#">167TA3291</a>
DKJ-3/4"-90°-DN 10L	3/8"	3/4"-16	36.5	61.5	22	<a href="#">167TA3292</a>
DKJ-3/4"-90°-DN 12L	1/2"	3/4"-16	40.5	62.5	22	<a href="#">167TA3293</a>
DKJ-7/8"-90°-DN 12L	1/2"	7/8"-14	45	65	27	<a href="#">167TA3294</a>
DKJ-7/8"-90°-DN 16L	5/8"	7/8"-14	53.5	65.5	27	<a href="#">167TA3295</a>
DKJ-1 1/16"-90°-DN 19L	3/4"	1 1/16"-12	62	94.5	32	<a href="#">167TA3296</a>
DKJ-1 5/16"-90°-DN 25L	1"	1 5/16"-12	77	110	38	<a href="#">167TA3297</a>



## JIC 37° - FEMALE - 45° ELBOW

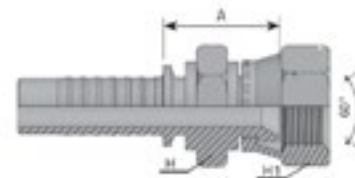
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-7/16"-45°-DN 05	3/16"	7/16"-20	39	15	15	<a href="#">167TA3298</a>
DKJ-1/2"-45°-DN 05	3/16"	1/2"-20	40	17	17	<a href="#">167TA3299</a>
DKJ-7/16"-45°-DN 06	1/4"	7/16"-20	38	15	15	<a href="#">151TA4882</a>
DKJ-1/2"-45°-DN 06	1/4"	1/2"-20	40	17	17	<a href="#">151TA4884</a>
DKJ-9/16"-45°-DN 06	1/4"	9/16"-18	39.5	16.5	19	<a href="#">151TA4887</a>
DKJ-1/2"-45°-DN 08	5/16"	1/2"-20	40	17	17	<a href="#">151TA4885</a>
DKJ-9/16"-45°-DN 08	5/16"	9/16"-18	49.5	18.5	19	<a href="#">151TA4888</a>
DKJ-5/8"-45°-DN 08	5/16"	5/8"-18	50	19	22	<a href="#">167TA3300</a>
DKJ-3/4"-45°-DN 08	5/16"	3/4"-16	5.5	19.5	24	<a href="#">151TA4890</a>
DKJ-9/16"-45°-DN 10	3/8"	9/16"-18	53	18	19	<a href="#">151TA4889</a>
DKJ-5/8"-45°-DN 10	3/8"	5/8"-18	54	19	22	<a href="#">167TA3301</a>
DKJ-3/4"-45°-DN 10	3/8"	3/4"-16	54	19	24	<a href="#">151TA4891</a>
DKJ-7/8"-45°-DN 10	3/8"	7/8"-14	56	21	27	<a href="#">151TA4893</a>
DKJ-3/4"-45°-DN 12	1/2"	3/4"-16	62	20	24	<a href="#">151TA4892</a>
DKJ-7/8"-45°-DN 12	1/2"	7/8"-14	63	21	27	<a href="#">151TA4894</a>
DKJ-1 1/16"-45°-DN 12	1/2"	1 1/16"-12	64	22	32	<a href="#">151TA4897</a>
DKJ-7/8"-45°-DN 16	5/8"	7/8"-14	60	22	27	<a href="#">151TA4895</a>
DKJ-1 1/16"-45°-DN 16	5/8"	1 1/16"-12	63	25	32	<a href="#">151TA4898</a>
DKJ-7/8"-45°-DN 19	3/4"	7/8"-14	62	29	27	<a href="#">151TA4896</a>
DKJ-1 1/16"-45°-DN 19	3/4"	1 1/16"-12	62	29	32	<a href="#">151TA4899</a>
DKJ-1 3/16"-45°-DN 19	3/4"	1 3/16"-12	63	29	36	<a href="#">151TA4902</a>
DKJ-1 5/16"-45°-DN 19	3/4"	1 5/16"-12	63	29	41	<a href="#">151TA4904</a>
DKJ-1 1/16"-45°-DN 25	1"	1 1/16"-12	100	39.5	32	<a href="#">151TA4900</a>
DKJ-1 5/16"-45°-DN 25	1"	1 5/16"-12	88.5	39.5	41	<a href="#">151TA4905</a>
DKJ-1 5/8"-45°-DN 25	1"	1 5/8"-12	89.5	38.5	50	<a href="#">151TA4906</a>
DKJ-1 5/8"-45°-DN 31	1 1/4"	1 5/8"-12	101	44	50	<a href="#">151TA4907</a>
DKJ-1 7/8"-45°-DN 31	1 1/4"	1 7/8"-12	103	45	55	<a href="#">167TA3302</a>
DKJ-1 7/8"-45°-DN 38	1 1/2"	1 7/8"-12	118	45	55	<a href="#">151TA4908</a>
DKJ-2 1/2"-45°-DN 51	2"	2 1/2"-12	163	62	70	<a href="#">151TA4909</a>



# HYDRAULIC CRIMP FITTINGS

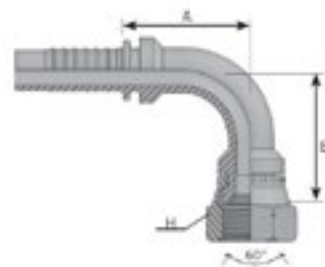
## HYDRAULIC PRESS COUPLING JIS KOMA FEMALE

Description	Hoses	Thread	A mm	Hexagon	H1	REF
DKJ-KOMATSU-M14X1.5-DN 06	1/4"	M14 x 1.5	24.2	17	19	<a href="#">151TA4388</a>
DKJ-KOMATSU-M16x1.5-DN 06	1/4"	M16 x 1.5	24.2	19	22	<a href="#">151TA4389</a>
DKJ-KOMATSU-M16x1.5-DN 08	5/16"	M16 x 1.5	24.2	19	22	<a href="#">151TA4390</a>
DKJ-KOMATSU-M14X1.5-DN 10	3/8"	M14 x 1.5	24.2	17	19	<a href="#">167TA3303</a>
DKJ-KOMATSU-M16x1.5-DN 10	3/8"	M16 x 1.5	24.2	19	22	<a href="#">151TA4391</a>
DKJ-KOMATSU-M18x1.5-DN 10	3/8"	M18 x 1.5	25.8	24	24	<a href="#">151TA4392</a>
DKJ-KOMATSU-M18x1.5-DN 12	1/2"	M18 x 1.5	26.3	24	24	<a href="#">167TA3304</a>
DKJ-KOMATSU-M20x1.5-DN 12	1/2"	M20 x 1.5	29	27	27	<a href="#">167TA3305</a>
DKJ-KOMATSU-M22x1.5-DN 12	1/2"	M22 x 1.5	29	27	27	<a href="#">151TA4393</a>
DKJ-KOMATSU-M24x1.5-DN 12	1/2"	M24 x 1.5	32	32	32	<a href="#">151TA4394</a>
DKJ-KOMATSU-M22x1.5-DN 16	5/8"	M22 x 1.5	29	27	27	<a href="#">167TA3306</a>
DKJ-KOMATSU-M24x1.5-DN 16	5/8"	M24 x 1.5	32.5	32	32	<a href="#">151TA4395</a>
DKJ-KOMATSU-M30x1.5-DN 19	3/4"	M30 x 1.5	32.5	36	36	<a href="#">151TA4397</a>
DKJ-KOMATSU-M33x1.5-DN 25	1"	M33 x 1.5	34.6	41	41	<a href="#">151TA4398</a>
DKJ-KOMATSU-M36x1.5-DN 31	1 1/4"	M36 x 1.5	37.5	46	46	<a href="#">151TA4399</a>
DKJ-KOMATSU-M42x1.5-DN 38	1 1/2"	M42 x 1.5	36.1	50	50	<a href="#">151TA4400</a>



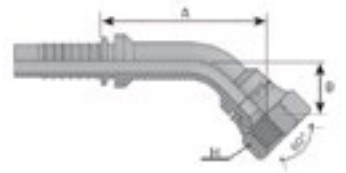
## HYDRAULIC PRESS COUPLING JIS KOMA FEMALE - 90°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-KOMATSU-M14X1.5-90°-DN 06	1/4"	M14 x 1.5	23	27	19	<a href="#">167TA3307</a>
DKJ-KOMATSU-M16x1.5-90°-DN 06	1/4"	M16 x 1.5	23	27	22	<a href="#">167TA3308</a>
DKJ-KOMATSU-M16x1.5-90°-DN 08	5/16"	M16 x 1.5	31.5	32	22	<a href="#">167TA3309</a>
DKJ-KOMATSU-M14X1.5-90°-DN 10	3/8"	M14 x 1.5	33	35	19	<a href="#">167TA3310</a>
DKJ-KOMATSU-M16x1.5-90°-DN 10	3/8"	M16 x 1.5	33	35	22	<a href="#">167TA3311</a>
DKJ-KOMATSU-M18x1.5-90°-DN 10	3/8"	M18 x 1.5	33	36.5	24	<a href="#">167TA3312</a>
DKJ-KOMATSU-M18x1.5-90°-DN 12	1/2"	M18 x 1.5	39	41	24	<a href="#">167TA3313</a>
DKJ-KOMATSU-M20x1.5-90°-DN 12	1/2"	M20 x 1.5	39	43.5	27	<a href="#">167TA3314</a>
DKJ-KOMATSU-M22x1.5-90°-DN 12	1/2"	M22 x 1.5	39	43.5	27	<a href="#">167TA3315</a>
DKJ-KOMATSU-M24x1.5-90°-DN 12	1/2"	M24 x 1.5	39	50	32	<a href="#">167TA3316</a>
DKJ-KOMATSU-M22x1.5-90°-DN 16	5/8"	M22 x 1.5	49	50	27	<a href="#">167TA3317</a>
DKJ-KOMATSU-M24x1.5-90°-DN 16	5/8"	M24 x 1.5	49	55	32	<a href="#">167TA3318</a>
DKJ-KOMATSU-M30x1.5-90°-DN 19	3/4"	M30 x 1.5	53.5	62.5	36	<a href="#">167TA3319</a>
DKJ-KOMATSU-M33x1.5-90°-DN 25	1"	M33 x 1.5	73	69.5	41	<a href="#">167TA3320</a>
DKJ-KOMATSU-M36x1.5-90°-DN 31	1 1/4"	M36 x 1.5	89	88	46	<a href="#">167TA3321</a>
DKJ-KOMATSU-M42x1.5-90°-DN 38	1 1/2"	M42 x 1.5	101	106.5	50	<a href="#">167TA3322</a>



## HYDRAULIC PRESS COUPLING JIS KOMA FEMALE - 45°

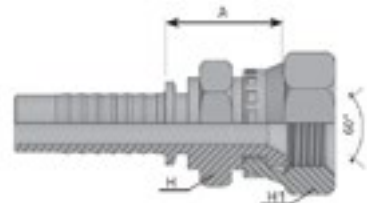
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-KOMATSU-M14X1.5-45°-DN 06	1/4"	M14 x 1.5	40	17	19	<a href="#">167TA3323</a>
DKJ-KOMATSU-M16x1.5-45°-DN 06	1/4"	M16 x 1.5	40	17	22	<a href="#">167TA3324</a>
DKJ-KOMATSU-M16x1.5-45°-DN 08	5/16"	M16 x 1.5	49.5	18.5	22	<a href="#">167TA3325</a>
DKJ-KOMATSU-M14X1.5-45°-DN 10	3/8"	M14 x 1.5	53	18	19	<a href="#">167TA3326</a>
DKJ-KOMATSU-M16x1.5-45°-DN 10	3/8"	M16 x 1.5	53	18	22	<a href="#">167TA3327</a>
DKJ-KOMATSU-M18x1.5-45°-DN 10	3/8"	M18 x 1.5	54	19	24	<a href="#">167TA3328</a>
DKJ-KOMATSU-M18x1.5-45°-DN 12	1/2"	M18 x 1.5	62	20	24	<a href="#">167TA3329</a>
DKJ-KOMATSU-M20x1.5-45°-DN 12	1/2"	M20 x 1.5	63	22	27	<a href="#">167TA3330</a>
DKJ-KOMATSU-M22x1.5-45°-DN 12	1/2"	M22 x 1.5	63	22	27	<a href="#">167TA3331</a>
DKJ-KOMATSU-M24x1.5-45°-DN 12	1/2"	M24 x 1.5	64	22	32	<a href="#">167TA3332</a>
DKJ-KOMATSU-M22x1.5-45°-DN 16	5/8"	M22 x 1.5	60	22	27	<a href="#">167TA3333</a>
DKJ-KOMATSU-M24x1.5-45°-DN 16	5/8"	M24 x 1.5	63	25	32	<a href="#">167TA3334</a>
DKJ-KOMATSU-M30x1.5-45°-DN 19	3/4"	M30 x 1.5	63	29	36	<a href="#">167TA3335</a>
DKJ-KOMATSU-M33x1.5-45°-DN 25	1"	M33 x 1.5	88.5	39.5	41	<a href="#">167TA3336</a>
DKJ-KOMATSU-M36x1.5-45°-DN 31	1 1/4"	M36 x 1.5	101	40	46	<a href="#">167TA3337</a>
DKJ-KOMATSU-M42x1.5-45°-DN 38	1 1/2"	M42 x 1.5	118	39	50	<a href="#">167TA3338</a>



# HYDRAULIC CRIMP FITTINGS

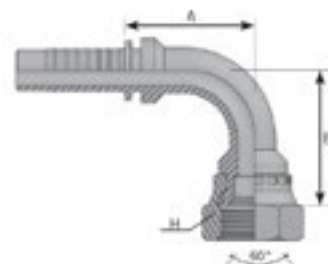
## HYDRAULIC PRESS COUPLING JIS TOYO FEMALE

Description	Hoses	Thread	A mm	Hexagon	H1	REF
DKJ-JIS-1/4"-DN 06	1/4"	1/4"-19	51	17	19	<a href="#">151TA4750</a>
DKJ-JIS-3/8"-DN 06	1/4"	3/8"-19	54	-	22	<a href="#">151TA4751</a>
DKJ-JIS-3/8"-DN 08	5/16"	3/8"-19	54	-	22	<a href="#">168TA1947</a>
DKJ-JIS-3/8"-DN 10	3/8"	3/8"-19	54	19	22	<a href="#">151TA4752</a>
DKJ-JIS-1/2"-DN 12	1/2"	1/2"-14	60.5	22	27	<a href="#">151TA4753</a>
DKJ-JIS-3/4"-DN 19	3/4"	3/4"-14	70.5	27	32	<a href="#">151TA4754</a>
DKJ-JIS-1"-DN 25	1"	1"-11	88	32	38	<a href="#">151TA4755</a>
DKJ-JIS-1 1/4"-DN 31	1 1/4"	1 1/4"-11	97.5	41	50	<a href="#">167TA3339</a>
DKJ-JIS-1 1/2"-DN 38	1 1/2"	1 1/2"-11	110.5	50	55	<a href="#">167TA3340</a>



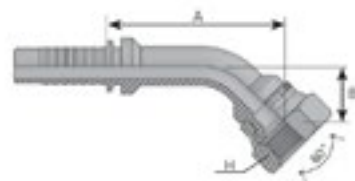
## HYDRAULIC PRESS COUPLING JIS TOYO FEMALE - 90°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-JIS-1/4"-90°-DN 06	1/4"	1/4"-19	23	26	19	<a href="#">151TA4758</a>
DKJ-JIS-3/8"-90°-DN 10	3/8"	3/8"-19	33	34.5	22	<a href="#">151TA4759</a>
DKJ-JIS-1/2"-90°-DN 12	1/2"	1/2"-14	39	41	27	<a href="#">167TA3341</a>
DKJ-JIS-3/4"-90°-DN 19	3/4"	3/4"-14	53.5	54.5	32	<a href="#">167TA3342</a>
DKJ-JIS-1"-90°-DN 25	1"	1"-11	73	68	38	<a href="#">167TA3343</a>
DKJ-JIS-1 1/4"-90°-DN 31	1 1/4"	1 1/4"-11	89	88.5	50	<a href="#">167TA3344</a>
DKJ-JIS-1 1/2"-90°-DN 38	1 1/2"	1 1/2"-11	101	109.5	55	<a href="#">167TA3345</a>



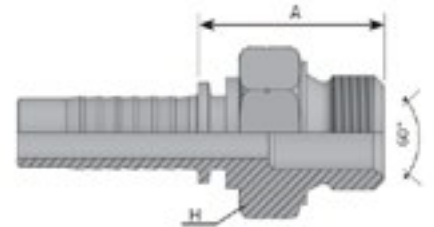
## HYDRAULIC PRESS COUPLING JIS TOYO FEMALE - 45°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-JIS-1/4"-45°-DN 06	1/4"	1/4"-19	40	14	19	<a href="#">167TA3346</a>
DKJ-JIS-3/8"-45°-DN 10	3/8"	3/8"-19	55	16.5	22	<a href="#">167TA3347</a>
DKJ-JIS-1/2"-45°-DN 12	1/2"	1/2"-14	65	19	27	<a href="#">167TA3348</a>
DKJ-JIS-3/4"-45°-DN 19	3/4"	3/4"-14	63	24.5	32	<a href="#">167TA3349</a>
DKJ-JIS-1"-45°-DN 25	1"	1"-11	90	37	38	<a href="#">167TA3350</a>
DKJ-JIS-1 1/4"-45°-DN 31	1 1/4"	1 1/4"-11	102	39.5	50	<a href="#">167TA3351</a>
DKJ-JIS-1 1/2"-45°-DN 38	1 1/2"	1 1/2"-11	118	40.5	55	<a href="#">167TA3352</a>



## HYDRAULIC PRESS COUPLING METRIC 60 - MALE

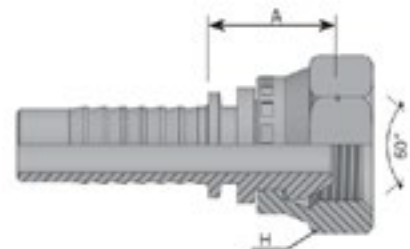
Description	Hoses	Thread	A mm	Hexagon	REF
AGM-M10X1-DN 05	3/16"	M10 x 1	21	14	<a href="#">167TA3353</a>
AGM-M12X1.5-DN 05	3/16"	M12 x 1.5	24.5	17	<a href="#">167TA3354</a>
AGM-M10X1-DN 06	1/4"	M10 x 1	21	14	<a href="#">167TA3355</a>
AGM-M12X1.5-DN 06	1/4"	M12 x 1.5	25.5	17	<a href="#">167TA3356</a>
AGM-M14X1.5-DN 06	1/4"	M14 x 1.5	27	19	<a href="#">167TA3357</a>
AGM-M16X1.5-DN 06	1/4"	M16 x 1.5	29	22	<a href="#">167TA3358</a>
AGM-M18X1.5-DN 06	1/4"	M18 x 1.5	29	24	<a href="#">167TA3359</a>
AGM-M14X1.5-DN 08	5/16"	M14 x 1.5	27	19	<a href="#">167TA3360</a>
AGM-M16X1.5-DN 08	5/16"	M16 x 1.5	29	22	<a href="#">151TA4520</a>
AGM-M18X1.5-DN 08	5/16"	M18 x 1.5	29	24	<a href="#">167TA3361</a>
AGM-M14X1.5-DN 10	3/8"	M14 x 1.5	27	19	<a href="#">167TA3362</a>
AGM-M16X1.5-DN 10	3/8"	M16 x 1.5	29	22	<a href="#">151TA4521</a>
AGM-M18X1.5-DN 10	3/8"	M18 x 1.5	29	24	<a href="#">151TA4522</a>
AGM-M20X1.5-DN 10	3/8"	M20 x 1.5	32	27	<a href="#">167TA3363</a>
AGM-M22X1.5-DN 10	3/8"	M22 x 1.5	32	27	<a href="#">167TA3364</a>
AGM-M18X1.5-DN 12	1/2"	M18 x 1.5	29	24	<a href="#">167TA3365</a>
AGM-M20X1.5-DN 12	1/2"	M20 x 1.5	33	27	<a href="#">167TA3366</a>
AGM-M22X1.5-DN 12	1/2"	M22 x 1.5	33	27	<a href="#">167TA3367</a>
AGM-M24X1.5-DN 12	1/2"	M24 x 1.5	36	30	<a href="#">167TA3368</a>
AGM-M26X1.5-DN 12	1/2"	M26 x 1.5	36	32	<a href="#">167TA3369</a>
AGM-M26X1.5-DN 16	5/8"	M26 x 1.5	36	32	<a href="#">167TA3370</a>
AGM-M26X1.5-DN 19	3/4"	M26 x 1.5	37	32	<a href="#">167TA3371</a>
AGM-M30X1.5-DN 19	3/4"	M30 x 1.5	36	36	<a href="#">151TA4524</a>
AGM-M38X1.5-DN 25	1"	M38 x 1.5	37	46	<a href="#">151TA4525</a>
AGM-M45X1.5-DN 31	1 1/4"	M45 x 1.5	43.5	50	<a href="#">151TA4526</a>
AGM-M52X1.5-DN 38	1 1/2"	M52 x 1.5	46	55	<a href="#">151TA4527</a>



# HYDRAULIC CRIMP FITTINGS

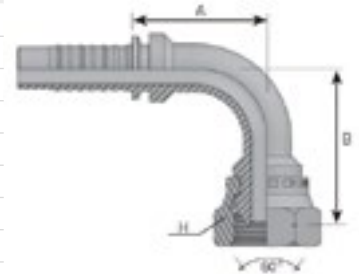
## HYDRAULIC PRESS COUPLING METRIC 60 - FEMALE

Description	Hoses	Thread	A mm	Hexagon	REF
DKM-M10X1-DN 05	3/16"	M10 x 1	18	15	<a href="#">167TA3372</a>
DKM-M12X1.5-DN 05	3/16"	M12 x 1.5	18	17	<a href="#">167TA3373</a>
DKM-M10X1-DN 06	1/4"	M10 x 1	18	15	<a href="#">167TA3374</a>
DKM-M12X1.5-DN 06	1/4"	M12 x 1.5	18	17	<a href="#">167TA3375</a>
DKM-M14X1.5-DN 06	1/4"	M14 x 1.5	18	19	<a href="#">151TA4529</a>
DKM-M16X1.5-DN 06	1/4"	M16 x 1.5	19	22	<a href="#">167TA3376</a>
DKM-M18X1.5-DN 06	1/4"	M18 x 1.5	19	22	<a href="#">167TA3377</a>
DKM-M14X1.5-DN 08	5/16"	M14 x 1.5	18	19	<a href="#">167TA3378</a>
DKM-M16X1.5-DN 08	5/16"	M16 x 1.5	19	22	<a href="#">151TA4530</a>
DKM-M18X1.5-DN 08	5/16"	M18 x 1.5	19	22	<a href="#">167TA3379</a>
DKM-M14X1.5-DN 10	3/8"	M14 x 1.5	19	19	<a href="#">167TA3380</a>
DKM-M16X1.5-DN 10	3/8"	M16 x 1.5	20	22	<a href="#">167TA3381</a>
DKM-M18X1.5-DN 10	3/8"	M18 x 1.5	20	22	<a href="#">151TA4531</a>
DKM-M20X1.5-DN 10	3/8"	M20 x 1.5	21	27	<a href="#">167TA3382</a>
DKM-M22X1.5-DN 10	3/8"	M22 x 1.5	21	27	<a href="#">167TA3383</a>
DKM-M18X1.5-DN 12	1/2"	M18 x 1.5	20	24	<a href="#">167TA3384</a>
DKM-M20X1.5-DN 12	1/2"	M20 x 1.5	22	27	<a href="#">167TA3385</a>
DKM-M22X1.5-DN 12	1/2"	M22 x 1.5	22	27	<a href="#">151TA4540</a>
DKM-M24X1.5-DN 12	1/2"	M24 x 1.5	23	30	<a href="#">167TA3386</a>
DKM-M26X1.5-DN 12	1/2"	M26 x 1.5	24	32	<a href="#">167TA3387</a>
DKM-M26X1.5-DN 16	5/8"	M26 x 1.5	24	32	<a href="#">167TA3388</a>
DKM-M27X1.5-DN 16	5/8"	M27 x 1.5	24	32	<a href="#">167TA3389</a>
DKM-M26X1.5-DN 19	3/4"	M26 x 1.5	25	32	<a href="#">167TA3390</a>
DKM-M27X1.5-DN 19	3/4"	M27 x 1.5	25	32	<a href="#">167TA3391</a>
DKM-M30X1.5-DN 19	3/4"	M30 x 1.5	26	36	<a href="#">151TA4533</a>
DKM-M33X1.5-DN 19	3/4"	M33 x 1.5	27.5	38	<a href="#">167TA3392</a>
DKM-M38X1.5-DN 25	1"	M38 x 1.5	37	46	<a href="#">151TA4534</a>
DKM-M45X1.5-DN 31	1 1/4"	M45 x 1.5	32	50	<a href="#">167TA3393</a>
DKM-M52X1.5-DN 38	1 1/2"	M52 x 1.5	38.5	60	<a href="#">151TA4535</a>



## HYDRAULIC PRESS COUPLING METRIC 60 - FEMALE - 90°

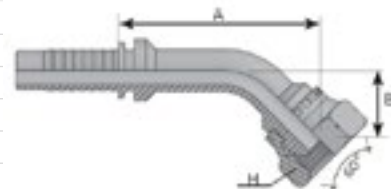
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKM-M10X1.5-90°-DN 05	3/16"	M10 x 1	23	29	15	<a href="#">167TA3394</a>
DKM-M12X1.5-90°-DN 05	3/16"	M12 x 1.5	23	29	17	<a href="#">167TA3395</a>
DKM-M10X1.5-90°-DN 06	1/4"	M10 x 1	23	29	15	<a href="#">167TA3396</a>
DKM-M12X1.5-90°-DN 06	1/4"	M12 x 1.5	23	29	17	<a href="#">167TA3397</a>
DKM-M14X1.5-90°-DN 06	1/4"	M14 x 1.5	23	29	19	<a href="#">167TA3398</a>
DKM-M16X1.5-90°-DN 06	1/4"	M16 x 1.5	33	37	19	<a href="#">167TA3399</a>
DKM-M18X1.5-90°-DN 06	1/4"	M18 x 1.5	23	32	22	<a href="#">167TA3400</a>
DKM-M14X1.5-90°-DN 08	5/16"	M14 x 1.5	31.5	33.5	19	<a href="#">167TA3401</a>
DKM-M16X1.5-90°-DN 08	5/16"	M16 x 1.5	31.5	35.5	22	<a href="#">167TA3402</a>
DKM-M18X1.5-90°-DN 08	5/16"	M18 x 1.5	31.5	35.5	22	<a href="#">167TA3403</a>
DKM-M14X1.5-90°-DN 10	3/8"	M14 x 1.5	33	37	19	<a href="#">167TA3404</a>
DKM-M16X1.5-90°-DN 10	3/8"	M16 x 1.5	33	38	22	<a href="#">167TA3405</a>
DKM-M18X1.5-90°-DN 10	3/8"	M18 x 1.5	33	38	22	<a href="#">151TA4539</a>
DKM-M20X1.5-90°-DN 10	3/8"	M20 x 1.5	33	42	27	<a href="#">167TA3406</a>
DKM-M22X1.5-90°-DN 10	3/8"	M22 x 1.5	33	42	27	<a href="#">167TA3407</a>
DKM-M18X1.5-90°-DN 12	1/2"	M18 x 1.5	39	43	24	<a href="#">167TA3408</a>
DKM-M20X1.5-90°-DN 12	1/2"	M20 x 1.5	39	45	27	<a href="#">167TA3409</a>
DKM-M22X1.5-90°-DN 12	1/2"	M22 x 1.5	39	45	27	<a href="#">167TA3410</a>
DKM-M24X1.5-90°-DN 12	1/2"	M24 x 1.5	39	47	30	<a href="#">167TA3411</a>
DKM-M26X1.5-90°-DN 12	1/2"	M26 x 1.5	39	51	32	<a href="#">167TA3412</a>
DKM-M26X1.5-90°-DN 16	5/8"	M26 x 1.5	49	56	32	<a href="#">167TA3413</a>
DKM-M27X1.5-90°-DN 16	5/8"	M27 x 1.5	49	56	32	<a href="#">167TA3414</a>
DKM-M26X1.5-90°-DN 19	3/4"	M26 x 1.5	53.5	59	32	<a href="#">167TA3415</a>
DKM-M27X1.5-90°-DN 19	3/4"	M27 x 1.5	53.5	59	32	<a href="#">167TA3416</a>
DKM-M30X1.5-90°-DN 19	3/4"	M30 x 1.5	53.5	63	36	<a href="#">167TA3417</a>
DKM-M38X1.5-90°-DN 25	1"	M38 x 1.5	73	72	46	<a href="#">167TA3418</a>
DKM-M45X1.5-90°-DN 31	1 1/4"	M45 x 1.5	93	89	50	<a href="#">167TA3419</a>
DKM-M52X1.5-90°-DN 38	1 1/2"	M52 x 1.5	99	110	55	<a href="#">167TA3420</a>



# HYDRAULIC CRIMP FITTINGS

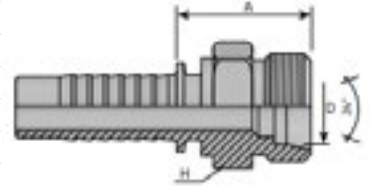
## HYDRAULIC PRESS COUPLING METRIC 60 - FEMALE - 45°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKM-M10X1-45°-DN 05	3/16"	M10 x 1	40	17	15	<a href="#">167TA3421</a>
DKM-M12X1.5-45°-DN 05	3/16"	M12 x 1.5	40	17	17	<a href="#">167TA3422</a>
DKM-M10X1-45°-DN 06	1/4"	M10 x 1	40	17	15	<a href="#">167TA3423</a>
DKM-M12X1.5-45°-DN 06	1/4"	M12 x 1.5	40	17	17	<a href="#">167TA3424</a>
DKM-M14X1.5-45°-DN 06	1/4"	M14 x 1.5	40	17	19	<a href="#">167TA3425</a>
DKM-M16X1.5-45°-DN 06	1/4"	M16 x 1.5	43	20	22	<a href="#">167TA3426</a>
DKM-M18X1.5-45°-DN 06	1/4"	M18 x 1.5	43	20	22	<a href="#">167TA3427</a>
DKM-M14X1.5-45°-DN 08	5/16"	M14 x 1.5	40	17	19	<a href="#">167TA3428</a>
DKM-M16X1.5-45°-DN 08	5/16"	M16 x 1.5	43	20	22	<a href="#">167TA3429</a>
DKM-M18X1.5-45°-DN 08	5/16"	M18 x 1.5	43	20	22	<a href="#">167TA3430</a>
DKM-M14X1.5-45°-DN 10	3/8"	M14 x 1.5	55	20	19	<a href="#">167TA3431</a>
DKM-M16X1.5-45°-DN 10	3/8"	M16 x 1.5	55	20	22	<a href="#">167TA3432</a>
DKM-M18X1.5-45°-DN 10	3/8"	M18 x 1.5	55	20	22	<a href="#">151TA4538</a>
DKM-M20X1.5-45°-DN 10	3/8"	M20 x 1.5	58	23	27	<a href="#">167TA3433</a>
DKM-M22X1.5-45°-DN 10	3/8"	M22 x 1.5	58	23	27	<a href="#">167TA3434</a>
DKM-M18X1.5-45°-DN 12	1/2"	M18 x 1.5	65	23	24	<a href="#">167TA3435</a>
DKM-M20X1.5-45°-DN 12	1/2"	M20 x 1.5	65	23	27	<a href="#">167TA3436</a>
DKM-M22X1.5-45°-DN 12	1/2"	M22 x 1.5	65	23	27	<a href="#">167TA3437</a>
DKM-M24X1.5-45°-DN 12	1/2"	M24 x 1.5	66	21	30	<a href="#">167TA3438</a>
DKM-M26X1.5-45°-DN 12	1/2"	M26 x 1.5	66	21	32	<a href="#">167TA3439</a>
DKM-M26X1.5-45°-DN 16	5/8"	M26 x 1.5	64	26	32	<a href="#">167TA3440</a>
DKM-M27X1.5-45°-DN 16	5/8"	M27 x 1.5	64	26	32	<a href="#">167TA3441</a>
DKM-M26X1.5-45°-DN 19	3/4"	M26 x 1.5	63	29	32	<a href="#">167TA3442</a>
DKM-M27X1.5-45°-DN 19	3/4"	M27 x 1.5	63	29	32	<a href="#">167TA3443</a>
DKM-M30X1.5-45°-DN 19	3/4"	M30 x 1.5	65	31	36	<a href="#">167TA3444</a>
DKM-M38X1.5-45°-DN 25	1"	M38 x 1.5	90	41	46	<a href="#">167TA3445</a>
DKM-M45X1.5-45°-DN 31	1 1/4"	M45 x 1.5	103	45	50	<a href="#">167TA3446</a>
DKM-M52X1.5-45°-DN 38	1 1/2"	M52 x 1.5	119	53	55	<a href="#">167TA3447</a>



## METRIC MALE 24° CONE - L-TYPE

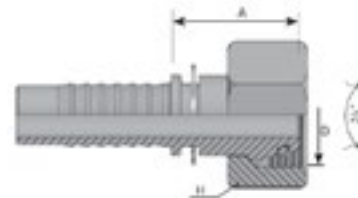
Description	Hoses	Thread	A mm	D mm	Hexagon	REF
CEL-M12X1.5-DN 05	3/16"	M12 x 1.5	22.5	6	14	<a href="#">151TA4245</a>
CEL-M14X1.5-DN 05	3/16"	M14 x 1.5	23	8	15	<a href="#">167TA3448</a>
CEL-M12X1.5-DN 06	1/4"	M12 x 1.5	23	6	14	<a href="#">151TA4246</a>
CEL-M14X1.5-DN 06	1/4"	M14 x 1.5	23	8	15	<a href="#">151TA4247</a>
CEL-M16X1.5-DN 06	1/4"	M16 x 1.5	25	10	17	<a href="#">151TA4249</a>
CEL-M18X1.5-DN 06	1/4"	M18 x 1.5	26	12	19	<a href="#">151TA4252</a>
CEL-M14X1.5-DN 08	5/16"	M14 x 1.5	23	8	15	<a href="#">151TA4248</a>
CEL-M16X1.5-DN 08	5/16"	M16 x 1.5	25	10	17	<a href="#">151TA4250</a>
CEL-M18X1.5-DN 08	5/16"	M18 x 1.5	26	12	19	<a href="#">151TA4253</a>
CEL-M16X1.5-DN 10	3/8"	M16 x 1.5	25	10	17	<a href="#">151TA4251</a>
CEL-M18X1.5-DN 10	3/8"	M18 x 1.5	26	12	19	<a href="#">151TA4254</a>
CEL-M22X1.5-DN 10	3/8"	M22 x 1.5	27	15	24	<a href="#">151TA4257</a>
CEL-M18X1.5-DN 12	1/2"	M18 x 1.5	26	12	22	<a href="#">151TA4255</a>
CEL-M22X1.5-DN 12	1/2"	M22 x 1.5	27.5	15	24	<a href="#">151TA4258</a>
CEL-M26X1.5-DN 12	1/2"	M26 x 1.5	27.5	18	27	<a href="#">151TA4259</a>
CEL-M26X1.5-DN 16	5/8"	M26 x 1.5	27.5	18	27	<a href="#">151TA4260</a>
CEL-M30X2-DN 16	5/8"	M30 x 2	31.5	22	32	<a href="#">151TA4262</a>
CEL-M26X1.5-DN 19	3/4"	M26 x 1.5	29	18	27	<a href="#">167TA3449</a>
CEL-M30X2-DN 19	3/4"	M30 x 2	32	22	32	<a href="#">151TA4263</a>
CEL-M36X2-DN 25	1"	M36 x 2	40	28	38	<a href="#">151TA4264</a>
CEL-M45X2-DN 31	1 1/4"	M45 x 2	41.5	35	46	<a href="#">151TA4265</a>
CEL-M52X2-DN 38	1 1/2"	M52 x 2	40	42	55	<a href="#">151TA4266</a>



# HYDRAULIC CRIMP FITTINGS

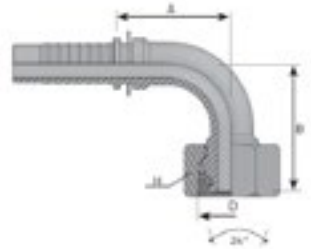
## METRIC FEMALE 24° CONE - L-TYPE

Description	Hoses	Thread	A mm	D mm	Hexagon	REF
DKOL-M12X1.5-DN 05	3/16"	M12 x 1.5	25.5	6	14	<a href="#">151TA4289</a>
DKOL-M14X1.5-DN 05	3/16"	M14 x 1.5	25.5	8	17	<a href="#">167TA3450</a>
DKOL-M12X1.5-DN 06	1/4"	M12 x 1.5	21	6	17	<a href="#">151TA4290</a>
DKOL-M14X1.5-DN 06	1/4"	M14 x 1.5	23.5	8	17	<a href="#">151TA4291</a>
DKOL-M16X1.5-DN 06	1/4"	M16 x 1.5	26	10	19	<a href="#">151TA4293</a>
DKOL-M18X1.5-DN 06	1/4"	M18 x 1.5	26	12	22	<a href="#">151TA4296</a>
DKOL-M14X1.5-DN 08	5/16"	M14 x 1.5	21.5	8	19	<a href="#">151TA4292</a>
DKOL-M16X1.5-DN 08	5/16"	M16 x 1.5	26	10	19	<a href="#">151TA4294</a>
DKOL-M18X1.5-DN 08	5/16"	M18 x 1.5	26	12	22	<a href="#">151TA4297</a>
DKOL-M16X1.5-DN 10	3/8"	M16 x 1.5	23.5	10	19	<a href="#">151TA4295</a>
DKOL-M18X1.5-DN 10	3/8"	M18 x 1.5	26	12	22	<a href="#">151TA4298</a>
DKOL-M22X1.5-DN 10	3/8"	M22 x 1.5	27	15	27	<a href="#">151TA4048</a>
DKOL-M18X1.5-DN 12	1/2"	M18 x 1.5	25.5	12	22	<a href="#">151TA4045</a>
DKOL-M22X1.5-DN 12	1/2"	M22 x 1.5	27.5	15	27	<a href="#">151TA4300</a>
DKOL-M26X1.5-DN 12	1/2"	M26 x 1.5	28	18	32	<a href="#">151TA4301</a>
DKOL-M26X1.5-DN 16	5/8"	M26 x 1.5	30	18	32	<a href="#">151TA4302</a>
DKOL-M30X2-DN 16	5/8"	M30 x 2	31	22	36	<a href="#">151TA4321</a>
DKOL-M26X1.5-DN 19	3/4"	M26 x 1.5	29	18	32	<a href="#">167TA3451</a>
DKOL-M30X2-DN 19	3/4"	M30 x 2	31	22	36	<a href="#">151TA4322</a>
DKOL-M36X2-DN 25	1"	M36 x 2	33.5	28	41	<a href="#">151TA4325</a>
DKOL-M45X2-DN 31	1 1/4"	M45 x 2	38.5	35	50	<a href="#">151TA4303</a>
DKOL-M52X2-DN 38	1 1/2"	M52 x 2	39	42	60	<a href="#">151TA4327</a>



## METRIC FEMALE 24° CONE - 90° ELBOW - L-TYPE

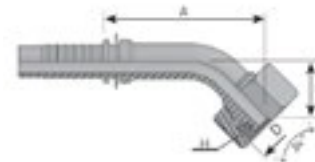
Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
DKOL-M12X1.5-90°-DN 05	3/16"	M12 x 1.5	29.5	31.5	14	6	<a href="#">151TA4355</a>
DKOL-M14X1.5-90°-DN 05	3/16"	M14 x 1.5	29.5	31.5	17	8	<a href="#">167TA3452</a>
DKOL-M12X1.5-90°-DN 06	1/4"	M12 x 1.5	29.5	31.5	17	6	<a href="#">151TA4356</a>
DKOL-M14X1.5-90°-DN 06	1/4"	M14 x 1.5	29.5	31.5	17	8	<a href="#">151TA4357</a>
DKOL-M16X1.5-90°-DN 06	1/4"	M16 x 1.5	29	32.5	19	10	<a href="#">151TA4359</a>
DKOL-M18X1.5-90°-DN 06	1/4"	M18 x 1.5	27	30.5	22	12	<a href="#">151TA4362</a>
DKOL-M14X1.5-90°-DN 08	5/16"	M14 x 1.5	31.5	36.7	19	8	<a href="#">151TA4358</a>
DKOL-M16X1.5-90°-DN 08	5/16"	M16 x 1.5	31	32.5	19	10	<a href="#">151TA4360</a>
DKOL-M18X1.5-90°-DN 08	5/16"	M18 x 1.5	29	37	22	12	<a href="#">151TA4363</a>
DKOL-M16X1.5-90°-DN 10	3/8"	M16 x 1.5	33	38	19	10	<a href="#">151TA4361</a>
DKOL-M18X1.5-90°-DN 10	3/8"	M18 x 1.5	35.5	37.5	22	12	<a href="#">151TA4364</a>
DKOL-M22X1.5-90°-DN 10	3/8"	M22 x 1.5	34	42	27	15	<a href="#">151TA4365</a>
DKOL-M18X1.5-90°-DN 12	1/2"	M18 x 1.5	39	49	22	12	<a href="#">167TA3453</a>
DKOL-M22X1.5-90°-DN 12	1/2"	M22 x 1.5	39.5	44	27	15	<a href="#">151TA4366</a>
DKOL-M26X1.5-90°-DN 12	1/2"	M26 x 1.5	39.5	46.5	32	18	<a href="#">151TA4367</a>
DKOL-M26X1.5-90°-DN 16	5/8"	M26 x 1.5	48.5	50.5	32	18	<a href="#">151TA4368</a>
DKOL-M30X2-90°-DN 16	5/8"	M30 x 2	48.5	53	36	22	<a href="#">167TA3454</a>
DKOL-M26X1.5-90°-DN 19	3/4"	M26 x 1.5	53.5	63.5	32	18	<a href="#">167TA3455</a>
DKOL-M30X2-90°-DN 19	3/4"	M30 x 2	56.5	55.5	36	22	<a href="#">151TA4383</a>
DKOL-M36X2-90°-DN 25	1"	M36 x 2	73	72.5	41	28	<a href="#">151TA4226</a>
DKOL-M45X2-90°-DN 31	1 1/4"	M45 x 2	92	86.5	50	35	<a href="#">151TA4369</a>
DKOL-M52X2-90°-DN 38	1 1/2"	M52 x 2	99	94	60	42	<a href="#">151TA4371</a>



# HYDRAULIC CRIMP FITTINGS

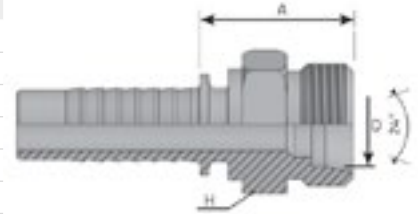
## METRIC FEMALE 24° CONE - 45° ELBOW - L-TYPE

Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
DKOL-M12X1.5-45°-DN 05	3/16"	M12 x 1.5	37	15	14	6	<a href="#">151TA4328</a>
DKOL-M14X1.5-45°-DN 05	3/16"	M14 x 1.5	37	15	17	8	<a href="#">167TA3456</a>
DKOL-M12X1.5-45°-DN 06	1/4"	M12 x 1.5	40	17	17	6	<a href="#">151TA4329</a>
DKOL-M14X1.5-45°-DN 06	1/4"	M14 x 1.5	50	17	17	8	<a href="#">151TA4330</a>
DKOL-M16X1.5-45°-DN 06	1/4"	M16 x 1.5	48.5	17	19	10	<a href="#">151TA4332</a>
DKOL-M18X1.5-45°-DN 06	1/4"	M18 x 1.5	48.5	17	22	12	<a href="#">151TA4187</a>
DKOL-M14X1.5-45°-DN 08	5/16"	M14 x 1.5	51	23.2	19	8	<a href="#">151TA4331</a>
DKOL-M16X1.5-45°-DN 08	5/16"	M16 x 1.5	52.5	17	19	10	<a href="#">151TA4333</a>
DKOL-M18X1.5-45°-DN 08	5/16"	M18 x 1.5	50	20	22	12	<a href="#">151TA4334</a>
DKOL-M16X1.5-45°-DN 10	3/8"	M16 x 1.5	55	20	19	10	<a href="#">151TA4186</a>
DKOL-M18X1.5-45°-DN 10	3/8"	M18 x 1.5	57	17	22	12	<a href="#">151TA4335</a>
DKOL-M22X1.5-45°-DN 10	3/8"	M22 x 1.5	59	19	27	15	<a href="#">167TA3457</a>
DKOL-M18X1.5-45°-DN 12	1/2"	M18 x 1.5	65	27	22	12	<a href="#">167TA3458</a>
DKOL-M22X1.5-45°-DN 12	1/2"	M22 x 1.5	64	22	27	15	<a href="#">151TA4336</a>
DKOL-M26X1.5-45°-DN 12	1/2"	M26 x 1.5	65	26	32	18	<a href="#">167TA3459</a>
DKOL-M26X1.5-45°-DN 16	5/8"	M26 x 1.5	61.5	28	32	18	<a href="#">151TA4337</a>
DKOL-M30X2-45°-DN 16	5/8"	M30 x 2	63.5	30	36	22	<a href="#">167TA3460</a>
DKOL-M26X1.5-45°-DN 19	3/4"	M26 x 1.5	63	33.5	32	18	<a href="#">167TA3461</a>
DKOL-M30X2-45°-DN 19	3/4"	M30 x 2	63	27	36	22	<a href="#">151TA4348</a>
DKOL-M36X2-45°-DN 25	1"	M36 x 2	85.5	38.5	41	28	<a href="#">151TA4350</a>
DKOL-M45X2-45°-DN 31	1 1/4"	M45 x 2	104.5	35	50	35	<a href="#">151TA4352</a>
DKOL-M52X2-45°-DN 38	1 1/2"	M52 x 2	119	45	60	42	<a href="#">151TA4354</a>



## METRIC MALE 24° CONE - S-TYPE

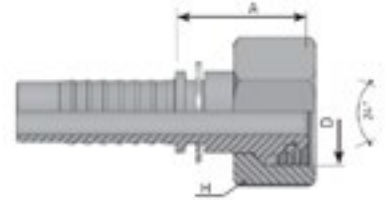
Description	Hoses	Thread	A mm	D mm	Hexagon	REF
CES-M14X1.5-DN 05	3/16"	M14 x 1.5	24	6	15	<a href="#">167TA3462</a>
CES-M16X1.5-DN 05	3/16"	M16 x 1.5	25	8	17	<a href="#">151TA4267</a>
CES-M14X1.5-DN 06	1/4"	M14 x 1.5	24	6	15	<a href="#">151TA4268</a>
CES-M16X1.5-DN 06	1/4"	M16 x 1.5	25	8	17	<a href="#">151TA4269</a>
CES-M18X1.5-DN 06	1/4"	M18 x 1.5	25	10	19	<a href="#">151TA4272</a>
CES-M20X1.5-DN 06	1/4"	M20 x 1.5	27	12	22	<a href="#">167TA3463</a>
CES-M18X1.5-DN 08	5/16"	M18 x 1.5	25	10	19	<a href="#">151TA4273</a>
CES-M20X1.5-DN 08	5/16"	M20 x 1.5	26.5	12	22	<a href="#">151TA4275</a>
CES-M18X1.5-DN 10	3/8"	M18 x 1.5	26	10	19	<a href="#">151TA4274</a>
CES-M20X1.5-DN 10	3/8"	M20 x 1.5	27	12	22	<a href="#">151TA4276</a>
CES-M22X1.5-DN 10	3/8"	M22 x 1.5	29	14	24	<a href="#">151TA4278</a>
CES-M22X1.5-DN 12	1/2"	M22 x 1.5	30	14	24	<a href="#">151TA4279</a>
CES-M24X1.5-DN 12	1/2"	M24 x 1.5	30	14	24	<a href="#">151TA4280</a>
CES-M30X2-DN 16	5/8"	M30 x 2	33	20	32	<a href="#">151TA4282</a>
CES-M30X2-DN 19	3/4"	M30 x 2	34	20	32	<a href="#">151TA4283</a>
CES-M36X2-DN 19	3/4"	M36 x 2	36	25	38	<a href="#">151TA4285</a>
CES-M42X2-DN 19	3/4"	M42 x 2		30		<a href="#">167TA3464</a>
CES-M36X2-DN 25	1"	M36 x 2	38.5	25	38	<a href="#">151TA4286</a>
CES-M42X2-DN 25	1"	M42 x 2	42	30	46	<a href="#">151TA4287</a>
CES-M42X2-DN 31	1 1/4"	M42 x 2	42	30	46	<a href="#">167TA3465</a>
CES-M52X2-DN 31	1 1/4"	M52 x 2	46	38	55	<a href="#">151TA4288</a>
CES-M52X2-DN 38	1 1/2"	M52 x 2	46	38	55	<a href="#">167TA3466</a>



# HYDRAULIC CRIMP FITTINGS

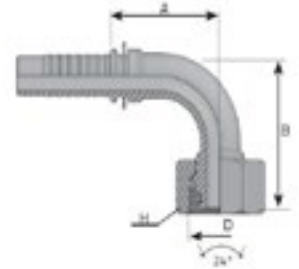
## METRIC FEMALE 24° CONE - S-TYPE

Description	Hoses	Thread	A mm	D mm	Hexagon	REF
DKOS-M14X1.5-DN 05	3/16"	M14 x 1.5	25.5	6	19	<a href="#">167TA3467</a>
DKOS-M16X1.5-DN 05	3/16"	M16 x 1.5	25.5	8	19	<a href="#">151TA4306</a>
DKOS-M14X1.5-DN 06	1/4"	M14 x 1.5	25.5	6	17	<a href="#">151TA4305</a>
DKOS-M16X1.5-DN 06	1/4"	M16 x 1.5	26	8	19	<a href="#">151TA4307</a>
DKOS-M18X1.5-DN 06	1/4"	M18 x 1.5	26	10	22	<a href="#">151TA4309</a>
DKOS-M20X1.5-DN 06	1/4"	M20 x 1.5	26	12	24	<a href="#">151TA4066</a>
DKOS-M18X1.5-DN 08	5/16"	M18 x 1.5	26.5	10	22	<a href="#">151TA4064</a>
DKOS-M20X1.5-DN 08	5/16"	M20 x 1.5	26	12	24	<a href="#">151TA4312</a>
DKOS-M18X1.5-DN 10	3/8"	M18 x 1.5	26.5	10	22	<a href="#">151TA4311</a>
DKOS-M20X1.5-DN 10	3/8"	M20 x 1.5	26.5	12	24	<a href="#">151TA4313</a>
DKOS-M22X1.5-DN 10	3/8"	M22 x 1.5	27	14	27	<a href="#">151TA4314</a>
DKOS-M22X1.5-DN 12	1/2"	M22 x 1.5	27.5	14	27	<a href="#">151TA4315</a>
DKOS-M24X1.5-DN 12	1/2"	M24 x 1.5	32	16	30	<a href="#">151TA4316</a>
DKOS-M30X2-DN 16	5/8"	M30 x 2	37	20	36	<a href="#">151TA4319</a>
DKOS-M30X2-DN 19	3/4"	M30 x 2	37.5	20	36	<a href="#">151TA4320</a>
DKOS-M36X2-DN 19	3/4"	M36 x 2	38.5	25	46	<a href="#">151TA4323</a>
DKOS-M36X2-DN 25	1"	M36 x 2	39.5	25	46	<a href="#">151TA4324</a>
DKOS-M42X2-DN 25	1"	M42 x 2	40.5	30	50	<a href="#">151TA4326</a>
DKOS-M42X2-DN 31	1 1/4"	M42 x 2	41.5	30	50	<a href="#">167TA3468</a>
DKOS-M52X2-DN 31	1 1/4"	M52 x 2	47	38	60	<a href="#">151TA4304</a>
DKOS-M52X2-DN 38	1 1/2"	M52 x 2	47	38	60	<a href="#">167TA3469</a>



## METRIC FEMALE 24° CONE - 90° ELBOW - S-TYPE

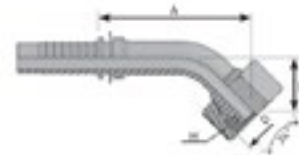
Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
DKOS-M14X1.5-90°-DN 05	3/16"	M14 x 1.5	29.5	31.5	19	6	<a href="#">167TA3470</a>
DKOS-M16X1.5-90°-DN 05	3/16"	M16 x 1.5	29.5	31.5	19	8	<a href="#">151TA4373</a>
DKOS-M14X1.5-90°-DN 06	1/4"	M14 x 1.5	29.5	31.5	17	6	<a href="#">151TA4372</a>
DKOS-M16X1.5-90°-DN 06	1/4"	M16 x 1.5	29.5	31.5	19	8	<a href="#">151TA4374</a>
DKOS-M18X1.5-90°-DN 06	1/4"	M18 x 1.5	29	32.5	22	10	<a href="#">151TA4375</a>
DKOS-M20X1.5-90°-DN 06	1/4"	M20 x 1.5	27	30.5	24	12	<a href="#">167TA3471</a>
DKOS-M18X1.5-90°-DN 08	5/16"	M18 x 1.5	31	32.5	22	10	<a href="#">151TA4376</a>
DKOS-M20X1.5-90°-DN 08	5/16"	M20 x 1.5	29	37	24	12	<a href="#">151TA4378</a>
DKOS-M18X1.5-90°-DN 10	3/8"	M18 x 1.5	33	38	22	10	<a href="#">151TA4377</a>
DKOS-M20X1.5-90°-DN 10	3/8"	M20 x 1.5	35.5	37.5	24	12	<a href="#">151TA4379</a>
DKOS-M22X1.5-90°-DN 10	3/8"	M22 x 1.5	34	42	27	14	<a href="#">151TA4380</a>
DKOS-M22X1.5-90°-DN 12	1/2"	M22 x 1.5	39.5	44	27	14	<a href="#">167TA3472</a>
DKOS-M24X1.5-90°-DN 12	1/2"	M24 x 1.5	39.5	45	30	16	<a href="#">151TA4381</a>
DKOS-M30X2-90°-DN 16	5/8"	M30 x 2	48.5	56	36	20	<a href="#">151TA4382</a>
DKOS-M30X2-90°-DN 19	3/4"	M30 x 2	56.5	59	36	20	<a href="#">151TA5339</a>
DKOS-M36X2-90°-DN 19	3/4"	M36 x 2	56.5	59	46	25	<a href="#">151TA4384</a>
DKOS-M36X2-90°-DN 25	1"	M36 x 2	73	75	46	25	<a href="#">167TA3473</a>
DKOS-M42X2-90°-DN 25	1"	M42 x 2	73	75	50	30	<a href="#">151TA4386</a>
DKOS-M42X2-90°-DN 31	1 1/4"	M42 x 2	92	86	50	30	<a href="#">167TA3474</a>
DKOS-M52X2-90°-DN 31	1 1/4"	M52 x 2	92	86	60	38	<a href="#">151TA4370</a>
DKOS-M52X2-90°-DN 38	1 1/2"	M52 x 2	99	94	60	38	<a href="#">167TA3475</a>



# HYDRAULIC CRIMP FITTINGS

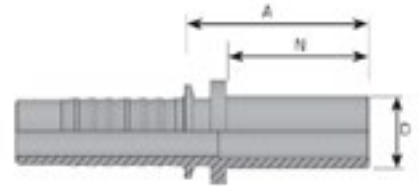
## METRIC FEMALE 24° CONE - 45° ELBOW - S-TYPE

Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
DKOS-M14X1.5-45°-DN 05	3/16"	M14 x 1.5	37	15	19	6	<a href="#">167TA3476</a>
DKOS-M16X1.5-45°-DN 05	3/16"	M16 x 1.5	37	15	19	8	<a href="#">151TA4338</a>
DKOS-M14X1.5-45°-DN 06	1/4"	M14 x 1.5	40	17	17	6	<a href="#">167TA3477</a>
DKOS-M16X1.5-45°-DN 06	1/4"	M16 x 1.5	50	17	19	8	<a href="#">151TA4339</a>
DKOS-M18X1.5-45°-DN 06	1/4"	M18 x 1.5	48.5	17	22	10	<a href="#">151TA4198</a>
DKOS-M20X1.5-45°-DN 06	1/4"	M20 x 1.5	48.5	17	24	12	<a href="#">167TA3478</a>
DKOS-M18X1.5-45°-DN 08	5/16"	M18 x 1.5	52.5	17	22	10	<a href="#">151TA4341</a>
DKOS-M20X1.5-45°-DN 08	5/16"	M20 x 1.5	50	20	24	12	<a href="#">151TA4342</a>
DKOS-M18X1.5-45°-DN 10	3/8"	M18 x 1.5	55	20	22	10	<a href="#">151TA4200</a>
DKOS-M20X1.5-45°-DN 10	3/8"	M20 x 1.5	57	17	24	12	<a href="#">151TA4343</a>
DKOS-M22X1.5-45°-DN 10	3/8"	M22 x 1.5	59	19	27	14	<a href="#">151TA4344</a>
DKOS-M22X1.5-45°-DN 12	1/2"	M22 x 1.5	65	22	27	14	<a href="#">167TA3479</a>
DKOS-M24X1.5-45°-DN 12	1/2"	M24 x 1.5	66.5	22	30	16	<a href="#">151TA4345</a>
DKOS-M30X2-45°-DN 16	5/8"	M30 x 2	64.5	26	36	20	<a href="#">151TA4346</a>
DKOS-M30X2-45°-DN 19	3/4"	M30 x 2	64	27	36	20	<a href="#">151TA4347</a>
DKOS-M36X2-45°-DN 19	3/4"	M36 x 2	70	28	46	25	<a href="#">151TA4349</a>
DKOS-M36X2-45°-DN 25	1"	M36 x 2	88.5	38	46	25	<a href="#">167TA3480</a>
DKOS-M42X2-45°-DN 25	1"	M42 x 2	89	38	50	30	<a href="#">151TA4351</a>
DKOS-M42X2-45°-DN 31	1 1/4"	M42 x 2	104.5	35	50	30	<a href="#">167TA3481</a>
DKOS-M52X2-45°-DN 31	1 1/4"	M52 x 2	104.5	35	60	38	<a href="#">151TA4353</a>
DKOS-M52X2-45°-DN 38	1 1/2"	M52 x 2	119	45	60	38	<a href="#">167TA3482</a>



## STANDPIPE

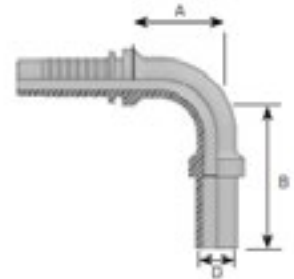
Description	Hoses	A mm	N mm	D mm	REF
BE-6-DN 05	3/16"	30	24	6	<a href="#">151TA4411</a>
BE-8-DN 05	3/16"	30	24	8	<a href="#">151TA4413</a>
BE-6-DN 06	1/4"	30.5	22.5	6	<a href="#">151TA4412</a>
BE-8-DN 06	1/4"	30.5	23	8	<a href="#">151TA4414</a>
BE-10-DN 06	1/4"	32	25	10	<a href="#">151TA4417</a>
BE-12-DN 06	1/4"	32	25	12	<a href="#">151TA4420</a>
BE-8-DN 08	5/16"	30	23	8	<a href="#">151TA4415</a>
BE-10-DN 08	5/16"	32	25	10	<a href="#">151TA4418</a>
BE-12-DN 08	5/16"	32	25	12	<a href="#">151TA4421</a>
BE-10-DN 10	3/8"	33	25.5	10	<a href="#">151TA4419</a>
BE-12-DN 10	3/8"	32.5	25	12	<a href="#">151TA4422</a>
BE-14-DN 10	3/8"	35.5	28	14	<a href="#">151TA4424</a>
BE-15-DN 10	3/8"	33	25.5	15	<a href="#">151TA4426</a>
BE-12-DN 12	1/2"	33	25	12	<a href="#">151TA4423</a>
BE-14-DN 12	1/2"	36	28	14	<a href="#">151TA4425</a>
BE-15-DN 12	1/2"	33.5	25.5	15	<a href="#">151TA4427</a>
BE-16-DN 12	1/2"	39	31	16	<a href="#">151TA4429</a>
BE-18-DN 12	1/2"	35.5	27	18	<a href="#">151TA4431</a>
BE-18-DN 16	5/8"	36	28	18	<a href="#">151TA4432</a>
BE-20-DN 16	5/8"	43.5	35	20	<a href="#">151TA4435</a>
BE-22-DN 16	5/8"	38	29	22	<a href="#">151TA4437</a>
BE-18-DN 19	3/4"	34.5	26	18	<a href="#">151TA4433</a>
BE-20-DN 19	3/4"	44	35	20	<a href="#">151TA4436</a>
BE-22-DN 19	3/4"	38	29.5	22	<a href="#">151TA4438</a>
BE-25-DN 19	3/4"	51	41	25	<a href="#">151TA4440</a>
BE-25-DN 25	1"	50	39.5	25	<a href="#">151TA4441</a>
BE-28-DN 25	1"	41	30.5	28	<a href="#">151TA4443</a>
BE-30-DN 25	1"	54	43.5	30	<a href="#">151TA4444</a>
BE-30-DN 31	1 1/4"	54.5	43	30	<a href="#">167TA3483</a>
BE-35-DN 31	1 1/4"	46.5	35.5	35	<a href="#">151TA4445</a>
BE-38-DN 31	1 1/4"	60	48	38	<a href="#">151TA4446</a>
BE-38-DN 38	1 1/2"	60	48	38	<a href="#">167TA3484</a>
BE-42-DN 38	1 1/2"	47	36	42	<a href="#">151TA4448</a>



# HYDRAULIC CRIMP FITTINGS

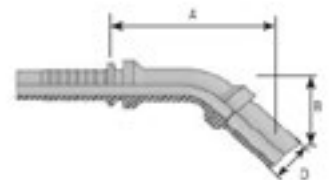
## TUBE SOCK METRIC - 90°

Description	Hoses	A mm	B mm	D mm	REF
BE-8-90°-DN 06	1/4"	24	43	8	<a href="#">151TA4478</a>
BE-10-90°-DN 08	5/16"	32	51	10	<a href="#">151TA4481</a>
BE-12-90°-DN 10	3/8"	33	53	12	<a href="#">151TA4485</a>
BE-15-90°-DN 12	1/2"	39	60.5	15	<a href="#">151TA4488</a>
BE-18-90°-DN 16	5/8"	49	69	18	<a href="#">167TA3485</a>
BE-22-90°-DN 19	3/4"	58	76	22	<a href="#">151TA4497</a>
BE-28-90°-DN 25	1"	74	88	28	<a href="#">151TA4500</a>



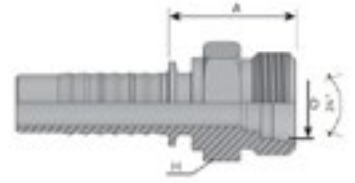
## TUBE SOCK METRIC - 45°

Description	Hoses	D mm	REF
BE-10-45°-DN 08	5/16"	10	<a href="#">151TA4456</a>
BE-12-45°-DN 10	3/8"	12	<a href="#">167TA3486</a>
BE-15-45°-DN 12	1/2"	15	<a href="#">151TA4463</a>
BE-18-45°-DN 16	5/8"	18	<a href="#">151TA4466</a>
BE-22-45°-DN 19	3/4"	22	<a href="#">151TA4468</a>
BE-28-45°-DN 25	1"	28	<a href="#">151TA4470</a>



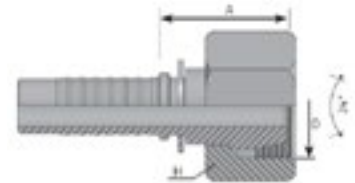
### HYDRAULIC PRESS COUPLING FRENCH METRIC 24° - MALE

Description	Hoses	Thread	A mm	D mm	Hexagon	REF
CEF-M20X1.5-DN 06	1/4"	M20 x 1.5	26.7	13	22	<a href="#">151TA4021</a>
CEF-M20X1.5-DN 08	5/16"	M20 x 1.5	26.7	13	22	<a href="#">151TA4022</a>
CEF-M20X1.5-DN 10	3/8"	M20 x 1.5	26.7	13	22	<a href="#">151TA4023</a>
CEF-M24X1.5-DN 10	3/8"	M24 x 1.5	30.2	17	27	<a href="#">151TA4026</a>
CEF-M24X1.5-DN 12	1/2"	M24 x 1.5	30.7	17	27	<a href="#">151TA4027</a>
CEF-M30X1.5-DN 12	1/2"	M30 x 1.5	31.2	21	32	<a href="#">167TA3487</a>
CEF-M30X1.5-DN 16	5/8"	M30 x 1.5	31.2	21	32	<a href="#">151TA4028</a>
CEF-M30X1.5-DN 19	3/4"	M30 x 1.5	31.7	21	32	<a href="#">151TA4029</a>
CEF-M36X1.5-DN 19	3/4"	M36 x 1.5	31.7	27	38	<a href="#">151TA4030</a>
CEF-M45X1.5-DN 25	1"	M45 x 1.5	37.2	33	46	<a href="#">151TA4032</a>
CEF-M45X1.5-DN 31	1 1/4"	M45 x 1.5	38.2	33	46	<a href="#">167TA3488</a>



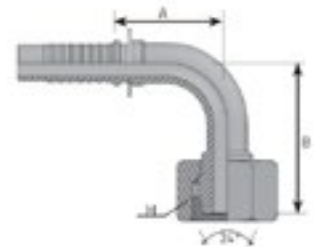
### HYDRAULIC PRESS COUPLING FRENCH METRIC 24° - FEMALE

Description	Hoses	Thread	A mm	D mm	Hexagon	REF
DKF-M20X1.5-DN 06	1/4"	M20 x 1.5	26.7	13	24	<a href="#">151TA4154</a>
DKF-M20X1.5-DN 08	5/16"	M20 x 1.5	26.7	13	24	<a href="#">151TA4155</a>
DKF-M20X1.5-DN 10	3/8"	M20 x 1.5	26.7	13	24	<a href="#">151TA4156</a>
DKF-M24X1.5-DN 10	3/8"	M24 x 1.5	30.2	17	30	<a href="#">151TA4159</a>
DKF-M24X1.5-DN 12	1/2"	M24 x 1.5	30.7	17	30	<a href="#">151TA4160</a>
DKF-M30X1.5-DN 12	1/2"	M30 x 1.5	31.2	21	36	<a href="#">151TA4161</a>
DKF-M30X1.5-DN 16	5/8"	M30 x 1.5	31.2	21	36	<a href="#">151TA4162</a>
DKF-M30X1.5-DN 19	3/4"	M30 x 1.5	31.7	21	36	<a href="#">151TA4164</a>
DKF-M36X1.5-DN 19	3/4"	M36 x 1.5	31.7	27	41	<a href="#">151TA4165</a>
DKF-M45X1.5-DN 25	1"	M45 x 1.5	37.2	33	50	<a href="#">151TA4168</a>
DKF-M45X1.5-DN 31	1 1/4"	M45 x 1.5	38.2	33	50	<a href="#">167TA3489</a>



### HYDRAULIC PRESS COUPLING FRENCH METRIC 24° - FEMALE - 90°

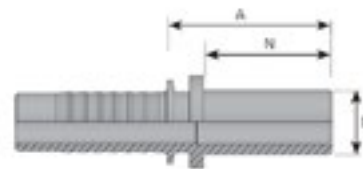
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKF-M20X1.5-90°-DN 06	1/4"	M20 x 1.5	27	32.50	24	<a href="#">151TA4010</a>
DKF-M20X1.5-90°-DN 08	5/16"	M20 x 1.5	29	39	24	<a href="#">151TA4011</a>
DKF-M20X1.5-90°-DN 10	3/8"	M20 x 1.5	35.5	39.50	24	<a href="#">151TA4012</a>
DKF-M24X1.5-90°-DN 10	3/8"	M24 x 1.5	36	48	30	<a href="#">151TA4014</a>
DKF-M24X1.5-90°-DN 12	1/2"	M24 x 1.5	39.5	48	30	<a href="#">151TA4015</a>
DKF-M30X1.5-90°-DN 12	1/2"	M30 x 1.5	45.50	61	36	<a href="#">167TA8836</a>
DKF-M30X1.5-90°-DN 16	5/8"	M30 x 1.5	48.50	61	36	<a href="#">151TA4016</a>
DKF-M30X1.5-90°-DN 19	3/4"	M30 x 1.5	56.50	64	36	<a href="#">151TA4017</a>
DKF-M36X1.5-90°-DN 19	3/4"	M36 x 1.5	56.50	64	41	<a href="#">151TA4018</a>
DKF-M45X1.5-90°-DN 25	1"	M45 x 1.5	86	91	50	<a href="#">151TA4019</a>
DKF-M45X1.5-90°-DN 31	1 1/4"	M45 x 1.5	92	91	50	<a href="#">167TA8837</a>



# HYDRAULIC CRIMP FITTINGS

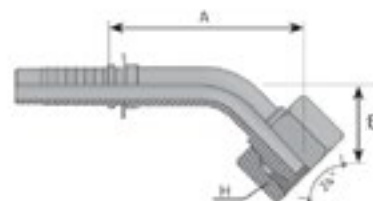
## TUBE SOCK "FRENCH SERIES"

Description	Hoses	Thread	A mm	D mm	REF
BEF-13-DN 06	1/4"	29.5	22	13	<a href="#">151TA4401</a>
BEF-13-DN 08	5/16"	29.5	22	13	<a href="#">151TA4402</a>
BEF-13-DN 10	3/8"	29.5	22	13	<a href="#">151TA4403</a>
BEF-17-DN 10	3/8"	31.5	24	17	<a href="#">151TA4405</a>
BEF-17-DN 12	1/2"	32.5	24	17	<a href="#">151TA4406</a>
BEF-21-DN 12	1/2"	34.5	26	21	<a href="#">167TA3490</a>
BEF-21-DN 16	5/8"	34.5	26	21	<a href="#">151TA4407</a>
BEF-21-DN 19	3/4"	35.3	26	21	<a href="#">167TA3491</a>
BEF-26-DN 19	3/4"	34.3	25	27	<a href="#">151TA4408</a>
BEF-33-DN 25	1"	37.3	27	33	<a href="#">151TA4409</a>
BEF-33-DN 31	1 1/4"	38	27	33	<a href="#">167TA3492</a>



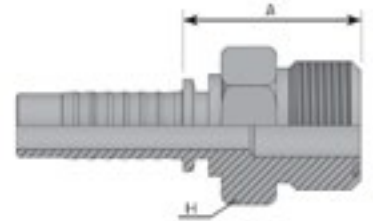
## HYDRAULIC PRESS COUPLING FRENCH METRIC 24° - FEMALE - 45°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKF-M20X1.5-45°-DN 06	1/4"	M20 x 1.5	50	18.5	24	<a href="#">151TA4171</a>
DKF-M20X1.5-45°-DN 08	5/16"	M20 x 1.5	52	21	24	<a href="#">151TA4172</a>
DKF-M20X1.5-45°-DN 10	3/8"	M20 x 1.5	58.5	18.5	24	<a href="#">151TA4173</a>
DKF-M24X1.5-45°-DN 10	3/8"	M24 x 1.5	65.5	24	30	<a href="#">151TA4174</a>
DKF-M24X1.5-45°-DN 12	1/2"	M24 x 1.5	68.5	24	30	<a href="#">151TA4175</a>
DKF-M30X1.5-45°-DN 12	1/2"	M30 x 1.5	68	29	36	<a href="#">167TA3493</a>
DKF-M30X1.5-45°-DN 16	5/8"	M30 x 1.5	68	29	36	<a href="#">151TA4176</a>
DKF-M30X1.5-45°-DN 19	3/4"	M30 x 1.5	69	30	36	<a href="#">151TA4177</a>
DKF-M36X1.5-45°-DN 19	3/4"	M36 x 1.5	73	31	41	<a href="#">151TA4178</a>
DKF-M45X1.5-45°-DN 25	1"	M45 x 1.5	101	36	50	<a href="#">167TA3494</a>
DKF-M45X1.5-45°-DN 31	1 1/4"	M45 x 1.5	107	38	50	<a href="#">167TA3495</a>



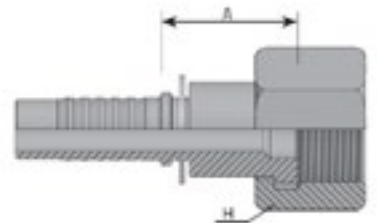
## ORFS - MALE

Description	Hoses	Thread	A mm	H mm	REF
ORFS-AG-9/16"-DN 06	1/4"	9/16"-18	24	17	<a href="#">151TA5046</a>
ORFS-AG-11/16"-DN 06	1/4"	11/16"-16	27.5	19	<a href="#">151TA5047</a>
ORFS-AG-11/16"-DN 08	5/16"	11/16"-16	27.5	19	<a href="#">151TA5048</a>
ORFS-AG-11/16"-DN 10	3/8"	11/16"-16	27.5	19	<a href="#">151TA5049</a>
ORFS-AG-13/16"-DN 10	3/8"	13/16"-16	30.5	22	<a href="#">151TA5050</a>
ORFS-AG-1"-DN 10	3/8"	1"-14	33.5	27	<a href="#">167TA3496</a>
ORFS-AG-13/16"-DN 12	1/2"	13/16"-16	34	27	<a href="#">151TA5051</a>
ORFS-AG-1"-DN 12	1/2"	1"-14	31.5	27	<a href="#">151TA5053</a>
ORFS-AG-1 3/16"-DN 12	1/2"	1 3/16"-16	36	32	<a href="#">167TA3497</a>
ORFS-AG-1"-DN 16	5/8"	1"-14	34	27	<a href="#">151TA5054</a>
ORFS-AG-1 3/16"-DN 16	5/8"	1 3/16"-12	37	32	<a href="#">151TA5056</a>
ORFS-AG-1 3/16"-DN 19	3/4"	1 3/16"-12	38	32	<a href="#">151TA5057</a>
ORFS-AG-1 7/16"-DN 19	3/4"	1 7/16"-12	38.5	41	<a href="#">151TA5058</a>
ORFS-AG-1 7/16"-DN 25	1"	1 7/16"-12	39.5	41	<a href="#">151TA5059</a>
ORFS-AG-1 11/16"-DN 25	1"	1 11/16"-12	40	46	<a href="#">166TA3706</a>
ORFS-AG-1 11/16"-DN 31	1 1/4"	1 11/16"-12	40	46	<a href="#">167TA3498</a>
ORFS-AG-2"-DN 38	1 1/2"	2"-12	43	55	<a href="#">167TA3499</a>



## ORFS - FEMALE

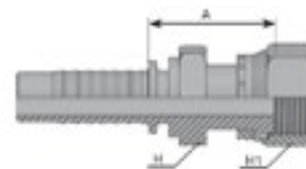
Description	Hoses	Thread	A mm	H mm	REF
ORFS-9/16"-DN 06	1/4"	9/16"-18	20.5	17	<a href="#">151TA4981</a>
ORFS-11/16"-DN 06	1/4"	11/16"-16	23	22	<a href="#">151TA4982</a>
ORFS-13/16"-DN 06	1/4"	13/16"-16	26	24	<a href="#">167TA3500</a>
ORFS-9/16"-DN 08	5/16"	9/16"-18	20.5	17	<a href="#">166TA6416</a>
ORFS-11/16"-DN 08	5/16"	11/16"-16	23	22	<a href="#">151TA4983</a>
ORFS-9/16"-DN 10	3/8"	9/16"-18	25	19	<a href="#">167TA3501</a>
ORFS-11/16"-DN 10	3/8"	11/16"-16	23.5	22	<a href="#">151TA4984</a>
ORFS-13/16"-DN 10	3/8"	13/16"-16	26	24	<a href="#">151TA4985</a>
ORFS-11/16"-DN 12	1/2"	11/16"-16	29	22	<a href="#">167TA3502</a>
ORFS-13/16"-DN 12	1/2"	13/16"-16	26.5	24	<a href="#">151TA4986</a>
ORFS-1"-DN 12	1/2"	1"-14	30	30	<a href="#">151TA4988</a>
ORFS-1 3/16"-DN 12	1/2"	1 3/16"-12	32.5	36	<a href="#">167TA3503</a>
ORFS-1"-DN 16	5/8"	1"-14	30	30	<a href="#">151TA4989</a>
ORFS-1 3/16"-DN 16	5/8"	1 3/16"-12	32	36	<a href="#">151TA4990</a>
ORFS-1 3/16"-DN 19	3/4"	1 3/16"-12	33	36	<a href="#">151TA4991</a>
ORFS-1 7/16"-DN 19	3/4"	1 7/16"-12	34	41	<a href="#">167TA3504</a>
ORFS-1 3/16"-DN 25	1"	1 3/16"-12	38.5	36	<a href="#">167TA3505</a>
ORFS-1 7/16"-DN 25	1"	1 7/16"-12	35	41	<a href="#">151TA4992</a>
ORFS-1 11/16"-DN 25	1"	1 11/16"-12	35	50	<a href="#">167TA3506</a>
ORFS-1 11/16"-DN 31	1 1/4"	1 11/16"-12	35.5	50	<a href="#">151TA4993</a>
ORFS-2"-DN 38	1 1/2"	2"-12	37	60	<a href="#">151TA4994</a>



# HYDRAULIC CRIMP FITTINGS

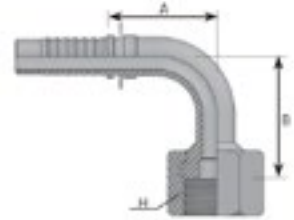
## HYDRAULIC PRESS COUPLING - FEMALE - DOUBLE HEXAGON

Description	Hoses	Thread	A mm	H1 mm	Hexagon	REF
ORFS-9/16"-DN 06-HEX	1/4"	9/16"-18	30	19	19	<a href="#">167TA3507</a>
ORFS-11/16"-DN 06-HEX	1/4"	11/16"-16	31.5	22	17	<a href="#">167TA3508</a>
ORFS-11/16"-DN 08-HEX	5/16"	11/16"-16	32	22	17	<a href="#">167TA3509</a>
ORFS-9/16"-DN 10-HEX	3/8"	9/16"-18	30.5	17	17	<a href="#">167TA3510</a>
ORFS-11/16"-DN 10-HEX	3/8"	11/16"-16	34	22	22	<a href="#">167TA3511</a>
ORFS-13/16"-DN 10-HEX	3/8"	13/16"-16	40.5	24	24	<a href="#">167TA3512</a>
ORFS-11/16"-DN 12-HEX	1/2"	11/16"-16	31.5	22	22	<a href="#">167TA3513</a>
ORFS-13/16"-DN 12-HEX	1/2"	13/16"-16	41	24	24	<a href="#">167TA3514</a>
ORFS-1"-DN 12-HEX	1/2"	1"-14	39	30	24	<a href="#">167TA3515</a>
ORFS-1 3/16"-DN 12-HEX	1/2"	1 3/16"-16	44	36	30	<a href="#">167TA3516</a>
ORFS-1"-DN 16-HEX	5/8"	1"-14	39	30	24	<a href="#">167TA3517</a>
ORFS-1 3/16"-DN 16-HEX	5/8"	1 3/16"-16	44	36	30	<a href="#">167TA3518</a>
ORFS-1"-DN 19-HEX	3/4"	1"-14	42	30	27	<a href="#">167TA3519</a>
ORFS-1 3/16"-DN 19-HEX	3/4"	1 3/16"-16	44.6	36	30	<a href="#">167TA3520</a>
ORFS-1 7/16"-DN 19-HEX	3/4"	1 7/16"-12	51.5	41	36	<a href="#">167TA3521</a>
ORFS-1 3/16"-DN 25-HEX	1"	1 3/16"-16	45.5	36	36	<a href="#">167TA3522</a>
ORFS-1 7/16"-DN 25-HEX	1"	1 7/16"-12	52.5	41	36	<a href="#">167TA3523</a>
ORFS-1 11/16"-DN 25-HEX	1"	1 11/16"-12	55	50	41	<a href="#">167TA3524</a>
ORFS-1 11/16"-DN 31-HEX	1 1/4"	1 11/16"-12	56	50	41	<a href="#">167TA3525</a>
ORFS-2"-DN 38-HEX	1 1/2"	2"-12	61.2	60	50	<a href="#">167TA3526</a>



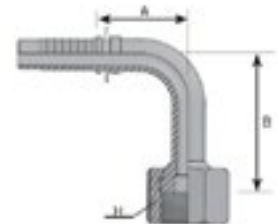
### ORFS - FEMALE SWIVEL - 90° ELBOW

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
ORFS-9/16"-90°-DN 06-SW	1/4"	9/16"-18	28	29.5	17	<a href="#">151TA5008</a>
ORFS-11/16"-90°-DN 06-SW	1/4"	11/16"-16	28	30	22	<a href="#">151TA5009</a>
ORFS-13/16"-90°-DN 06-SW	1/4"	13/16"-16	29.5	32	24	<a href="#">167TA3527</a>
ORFS-9/16"-90°-DN 08-SW	5/16"	9/16"-18	28	29.5	17	<a href="#">166TA6432</a>
ORFS-11/16"-90°-DN 08-SW	5/16"	11/16"-16	29	29	22	<a href="#">151TA5010</a>
ORFS-9/16"-90°-DN 10-SW	3/8"	9/16"-18	32.5	44	19	<a href="#">167TA3528</a>
ORFS-11/16"-90°-DN 10-SW	3/8"	11/16"-16	36	29	22	<a href="#">151TA5011</a>
ORFS-13/16"-90°-DN 10-SW	3/8"	13/16"-16	34	32	24	<a href="#">151TA5012</a>
ORFS-11/16"-90°-DN 12-SW	1/2"	11/16"-16	40.5	51	22	<a href="#">167TA3529</a>
ORFS-13/16"-90°-DN 12-SW	1/2"	13/16"-16	37.5	36	24	<a href="#">151TA5013</a>
ORFS-1"-90°-DN 12-SW	1/2"	1"-14	39	39	30	<a href="#">151TA5015</a>
ORFS-1 3/16"-90°-DN 12-SW	1/2"	1 3/16"-12	38	41	36	<a href="#">166TA6439</a>
ORFS-1"-90°-DN 16-SW	5/8"	1"-14	51.5	43.5	30	<a href="#">151TA5016</a>
ORFS-1 3/16"-90°-DN 16-SW	5/8"	1 3/16"-12	46.5	48	36	<a href="#">151TA5017</a>
ORFS-1 3/16"-90°-DN 19-SW	3/4"	1 3/16"-12	56	49	36	<a href="#">151TA5018</a>
ORFS-1 7/16"-90°-DN 19-SW	3/4"	1 7/16"-12	56.5	54	41	<a href="#">167TA3530</a>
ORFS-1 3/16"-90°-DN 25-SW	1"	1 3/16"-12	70	85	36	<a href="#">168TA3010</a>
ORFS-1 7/16"-90°-DN 25-SW	1"	1 7/16"-12	74	59.5	41	<a href="#">151TA5019</a>
ORFS-1 11/16"-90°-DN 31-SW	1 1/4"	1 11/16"-12	90	75.5	50	<a href="#">151TA5020</a>
ORFS-2"-90°-DN 38-SW	1 1/2"	2"-12	99	84	60	<a href="#">151TA5021</a>



### ORFS - FEMALE SWIVEL - 90° ELBOW (LONG DROP)

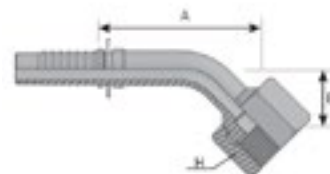
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
ORFS-9/16"-90°-DN 06L-SW	1/4"	9/16"-18	26.5	45	17	<a href="#">151TA5022</a>
ORFS-11/16"-90°-DN 10L-SW	3/8"	11/16"-16	32	53	22	<a href="#">151TA5023</a>
ORFS-13/16"-90°-DN 10L-SW	3/8"	13/16"-16	36	51	24	<a href="#">167TA3531</a>
ORFS-13/16"-90°-DN 12L-SW	1/2"	13/16"-16	37.5	63	24	<a href="#">151TA5024</a>
ORFS-1"-90°-DN 12L-SW	1/2"	1"-14	37	64	30	<a href="#">167TA3532</a>
ORFS-1"-90°-DN 16L-SW	5/8"	1"-14	45	63	30	<a href="#">151TA5025</a>
ORFS-1 3/16"-90°-DN 16L-SW	5/8"	1 3/16"-12	45	71	36	<a href="#">167TA3533</a>
ORFS-1 3/16"-90°-DN 19L-SW	3/4"	1 3/16"-12	51	90	36	<a href="#">151TA5026</a>
ORFS-1 7/16"-90°-DN 25L-SW	1"	1 7/16"-12	69	108	41	<a href="#">151TA5027</a>



# HYDRAULIC CRIMP FITTINGS

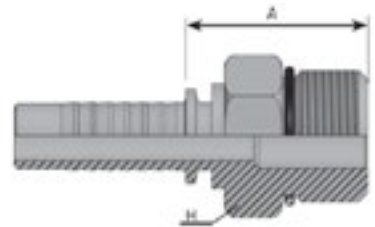
## ORFS - FEMALE SWIVEL - 45° ELBOW

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
ORFS-9/16"-45°-DN 06-SW	1/4"	9/16"-18	45	15	17	<a href="#">151TA4995</a>
ORFS-11/16"-45°-DN 06-SW	1/4"	11/16"-16	45.5	15.5	22	<a href="#">151TA4996</a>
ORFS-13/16"-45°-DN 06-SW	1/4"	13/16"-16	49	18	24	<a href="#">167TA3534</a>
ORFS-9/16"-45°-DN 08-SW	5/16"	9/16"-18	45	15	17	<a href="#">166TA6424</a>
ORFS-11/16"-45°-DN 08-SW	5/16"	11/16"-16	46	15.5	22	<a href="#">151TA4997</a>
ORFS-9/16"-45°-DN 10-SW	3/8"	9/16"-18	55	24	19	<a href="#">167TA3535</a>
ORFS-11/16"-45°-DN 10-SW	3/8"	11/16"-16	51	13	22	<a href="#">151TA4998</a>
ORFS-13/16"-45°-DN 10-SW	3/8"	13/16"-16	52	17	24	<a href="#">151TA4999</a>
ORFS-11/16"-45°-DN 12-SW	1/2"	11/16"-16	72	26	22	<a href="#">167TA3536</a>
ORFS-13/16"-45°-DN 12-SW	1/2"	13/16"-16	58	18	24	<a href="#">151TA5000</a>
ORFS-1"-45°-DN 12-SW	1/2"	1"-14	61	20	30	<a href="#">151TA5002</a>
ORFS-1 3/16"-45°-DN 12-SW	1/2"	1 3/16"-12	62	24	36	<a href="#">167TA3537</a>
ORFS-1"-45°-DN 16-SW	5/8"	1"-14	55	20	30	<a href="#">151TA5003</a>
ORFS-1 3/16"-45°-DN 16-SW	5/8"	1 3/16"-12	57	21	36	<a href="#">167TA3538</a>
ORFS-1 3/16"-45°-DN 19-SW	3/4"	1 3/16"-12	58	23	36	<a href="#">151TA5004</a>
ORFS-1 7/16"-45°-DN 19-SW	3/4"	1 7/16"-12	62.5	27	41	<a href="#">167TA3539</a>
ORFS-1 3/16"-45°-DN 25-SW	1"	1 3/16"-12	96.5	43	36	<a href="#">167TA3540</a>
ORFS-1 7/16"-45°-DN 25-SW	1"	1 7/16"-12	81	26	41	<a href="#">151TA5005</a>
ORFS-1 11/16"-45°-DN 31-SW	1 1/4"	1 11/16"-12	93	34	50	<a href="#">151TA5006</a>
ORFS-2"-45°-DN 38-SW	1 1/2"	2"-12	112	45	60	<a href="#">151TA5007</a>



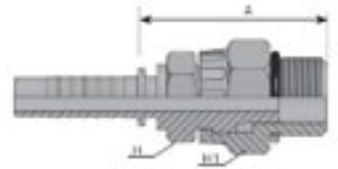
## HYDRAULIC PRESS COUPLING SAE + O-RING

Description	Hoses	Thread	A mm	Hexagon	REF
AG-SAE-7/16"-DN 06	1/4"	7/16"-20	23.5	14	<a href="#">151TA5030</a>
AG-SAE-1/2"-DN 06	1/4"	1/2"-20	25.5	17	<a href="#">167TA3541</a>
AG-SAE-9/16"-DN 06	1/4"	9/16"-18	28	17	<a href="#">167TA3542</a>
AG-SAE-9/16"-DN 10	3/8"	9/16"-18	28	17	<a href="#">151TA5033</a>
AG-SAE-3/4"-DN 10	3/8"	3/4"-16	30.5	22	<a href="#">151TA5034</a>
AG-SAE-3/8"-DN 10	3/8"	7/8"-14	34.5	27	<a href="#">167TA3543</a>
AG-SAE-3/4"-DN 12	1/2"	3/4"-16	31	22	<a href="#">151TA5035</a>
AG-SAE-7/8"-DN 12	1/2"	7/8"-14	35	27	<a href="#">151TA5038</a>
AG-SAE-1 1/16"-DN 12	1/2"	1 1/16"-12	39	32	<a href="#">151TA5040</a>
AG-SAE-3/4"-DN 16	5/8"	3/4"-16	31.5	24	<a href="#">167TA3544</a>
AG-SAE-7/8"-DN 16	5/8"	7/8"-14	35	27	<a href="#">151TA5039</a>
AG-SAE-1 1/16"-DN 16	5/8"	1 1/16"-12	39	32	<a href="#">151TA5041</a>
AG-SAE-1 1/16"-DN 19	3/4"	1 1/16"-12	32	39	<a href="#">151TA5042</a>
AG-SAE-1 5/16"-DN 19	3/4"	1 5/16"-12	41.5	38	<a href="#">167TA3545</a>
AG-SAE-1 5/16"-DN 25	1"	1 5/16"-12	43	38	<a href="#">167TA3546</a>
AG-SAE-1 5/8"-DN 25	1"	1 5/8"-12	44	46	<a href="#">167TA3547</a>
AG-SAE-1 5/8"-DN 31	1 1/4"	1 5/8"-12	44.5	46	<a href="#">167TA3548</a>



## HYDRAULIC PRESS COUPLING SAE BOSS - MALE

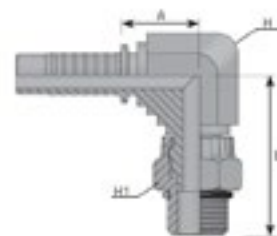
Description	Hoses	Thread	A mm	Hexagon	H1	REF
AG-SAE-7/16"-DN 06-SW	1/4"	7/16"-20	49	14	17	<a href="#">167TA3549</a>
AG-SAE-9/16"-DN 06-SW	1/4"	9/16"-18	51.4	17	22	<a href="#">167TA3550</a>
AG-SAE-7/16"-DN 10-SW	3/8"	7/16"-20	52	17	17	<a href="#">167TA3551</a>
AG-SAE-9/16"-DN 10-SW	3/8"	9/16"-18	54.4	17	22	<a href="#">167TA3552</a>
AG-SAE-3/4"-DN 10-SW	3/8"	3/4"-16	58	22	27	<a href="#">151TA5062</a>
AG-SAE-9/16"-DN 12-SW	1/2"	9/16"-18	55.4	22	22	<a href="#">167TA3553</a>
AG-SAE-3/4"-DN 12-SW	1/2"	3/4"-16	58.5	22	27	<a href="#">167TA3554</a>
AG-SAE-1 1/16"-DN 12-SW	1/2"	1 1/16"-12	62.8	27	32	<a href="#">167TA3555</a>
AG-SAE-1 1/16"-DN 19-SW	3/4"	1 1/16"-12	71.5	32	32	<a href="#">167TA3556</a>
AG-SAE-1 5/16"-DN 25-SW	1"	1 5/16"-12	74	38	38	<a href="#">167TA7833</a>



# HYDRAULIC CRIMP FITTINGS

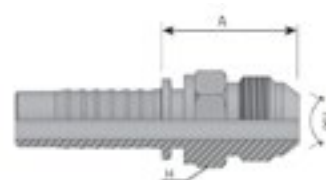
## HYDRAULIC PRESS COUPLING SAE BOSS - MALE - 90° COMPACT

Description	Hoses	Thread	A mm	B mm	Hexagon	H1	REF
AG-SAE-7/16"-DN 06K-SW	1/4"	7/16"-20	23	52	22	17	<a href="#">167TA3557</a>
AG-SAE-9/16"-DN 06K-SW	1/4"	9/16"-18	23	54.4	22	22	<a href="#">167TA3558</a>
AG-SAE-7/16"-DN 10K-SW	3/8"	7/16"-20	23	52	22	17	<a href="#">167TA3559</a>
AG-SAE-9/16"-DN 10K-SW	3/8"	9/16"-18	23	54.4	22	22	<a href="#">151TA5069</a>
AG-SAE-3/4"-DN 10K-SW	3/8"	3/4"-16	23	57.5	22	27	<a href="#">167TA3560</a>
AG-SAE-9/16"-DN 12K-SW	1/2"	9/16"-18	23.5	54.4	22	22	<a href="#">167TA3561</a>
AG-SAE-3/4"-DN 12K-SW	1/2"	3/4"-16	23.5	57.5	22	27	<a href="#">151TA5071</a>
AG-SAE-1 1/16"-DN 12K-SW	1/2"	1 1/16"-12	23.5	71.5	27	32	<a href="#">167TA3562</a>
AG-SAE-1 1/16"-DN 19K-SW	3/4"	1 1/16"-12	25	71.5	27	32	<a href="#">151TA5074</a>
AG-SAE-1 5/16"-DN 25K-SW	1"	1 5/16"-12	32.5	72.5	33	38	<a href="#">167TA3563</a>



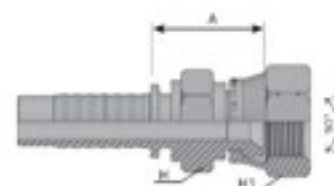
## HYDRAULIC PRESS COUPLING SAE 45 - MALE

Description	Hoses	Thread	A mm	Hexagon	REF
AGJ-SAE-7/16"-DN 06	1/4"	7/16"-20	25.2	14	<a href="#">167TA3564</a>
AGJ-SAE-1/2"-DN 06	1/4"	1/2"-20	-	14	<a href="#">167TA3565</a>
AGJ-SAE-5/8"-DN 10	3/8"	5/8"-18	29	17	<a href="#">151TA5194</a>
AGJ-SAE-3/4"-DN 10	3/8"	3/4"-16	30.5	19	<a href="#">167TA3566</a>
AGJ-SAE-3/4"-DN 12	1/2"	3/4"-16	31	19	<a href="#">167TA3567</a>
AGJ-SAE-7/8"-DN 12	1/2"	7/8"-14	35	24	<a href="#">167TA3568</a>
AGJ-SAE-1 1/16"-DN 19	3/4"	1 1/16"-14	40.5	30	<a href="#">151TA5196</a>



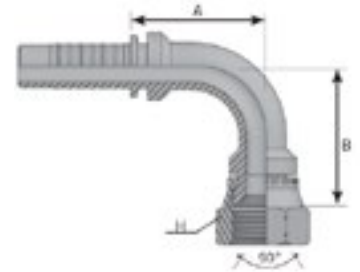
## HYDRAULIC PRESS COUPLING SAE 45 - FEMALE - DOUBLE HEXAGON

Description	Hoses	Thread	A mm	Hexagon	H1	REF
DKJ-SAE-7/16"-DN 06-HEX	1/4"	7/16"-20	20.7	14	14	<a href="#">167TA3569</a>
DKJ-SAE-1/2"-DN 06-HEX	1/4"	1/2"-20	21.4	14	17	<a href="#">167TA3570</a>
DKJ-SAE-5/8"-DN 10-HEX	3/8"	5/8"-18	25.2	17	22	<a href="#">151TA5199</a>
DKJ-SAE-3/4"-DN 10-HEX	3/8"	3/4"-16	27.3	19	22	<a href="#">167TA3571</a>
DKJ-SAE-3/4"-DN 12-HEX	1/2"	3/4"-16	27.8	19	22	<a href="#">167TA3572</a>
DKJ-SAE-7/8"-DN 12-HEX	1/2"	7/8"-14	29.5	22	-	<a href="#">167TA3573</a>
DKJ-SAE-1 1/16"-DN 19-HEX	3/4"	1 1/16"-14	35	27	32	<a href="#">167TA3574</a>



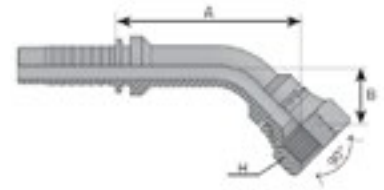
### HYDRAULIC PRESS COUPLING SAE 45 - 90°

Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-SAE-7/16"-90°-DN 06	1/4"	7/16"-20	23	26	15	<a href="#">167TA3575</a>
DKJ-SAE-1/2"-90°-DN 06	1/4"	1/2"-20	23	27	17	<a href="#">167TA3576</a>
DKJ-SAE-5/8"-90°-DN 08	5/16"	5/8"-18	31.5	32.5	22	<a href="#">151TA5206</a>
DKJ-SAE-5/8"-90°-DN 10	3/8"	5/8"-18	33	35.5	22	<a href="#">151TA5207</a>
DKJ-SAE-3/4"-90°-DN 10	3/8"	3/4"-16	33	36.5	24	<a href="#">167TA3577</a>
DKJ-SAE-3/4"-90°-DN 12	1/2"	3/4"-16	39	41	24	<a href="#">167TA3578</a>
DKJ-SAE-1 1/16"-90°-DN 19	3/4"	1 1/16"-14	53.5	58	32	<a href="#">167TA3579</a>



### HYDRAULIC PRESS COUPLING SAE 45 - FEMALE - 45°

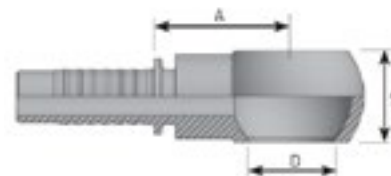
Description	Hoses	Thread	A mm	B mm	Hexagon	REF
DKJ-SAE-7/16"-45°-DN 06	1/4"	7/16"-20	38	15	15	<a href="#">167TA3580</a>
DKJ-SAE-1/2"-45°-DN 06	1/4"	1/2"-20	40	17	17	<a href="#">167TA3581</a>
DKJ-SAE-5/8"-45°-DN 10	3/8"	5/8"-18	54	19	22	<a href="#">151TA5205</a>
DKJ-SAE-3/4"-45°-DN 10	3/8"	3/4"-16	54	19	24	<a href="#">167TA3582</a>
DKJ-SAE-3/4"-45°-DN 12	1/2"	3/4"-16	62	20	24	<a href="#">167TA3583</a>
DKJ-SAE-7/8"-45°-DN 12	1/2"	7/8"-14	63	21	27	<a href="#">167TA3584</a>
DKJ-SAE-1 1/16"-45°-DN 12	1/2"	1 1/16"-14	64	22	32	<a href="#">167TA3585</a>
DKJ-SAE-1 1/16"-45°-DN 19	3/4"	1 1/16"-14	62	29	32	<a href="#">167TA3586</a>



# HYDRAULIC CRIMP FITTINGS

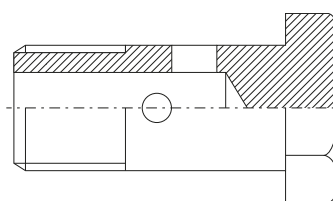
## BANJOS - BSP

Description	Hoses	Thread	D mm	A mm	S mm	REF
RNR-1/8"-DN 05	3/16"	1/8"	10	19.5	10	<a href="#">151TA4570</a>
RNR-1/4"-DN 05	3/16"	1/4"	13.2	22.5	14	<a href="#">167TA3587</a>
RNR-1/8"-DN 06	1/4"	1/8"	10	24	10	<a href="#">167TA3588</a>
RNR-1/4"-DN 06	1/4"	1/4"	13.2	23	14	<a href="#">151TA4571</a>
RNR-3/8"-DN 06	1/4"	3/8"	16.7	26.5	17	<a href="#">151TA4574</a>
RNR-1/2"-DN 06	1/4"	1/2"	21	32.5	22	<a href="#">167TA3589</a>
RNR-1/4"-DN 08	5/16"	1/4"	13.2	24	14	<a href="#">151TA4572</a>
RNR-3/8"-DN 08	5/16"	3/8"	16.7	26.5	17	<a href="#">151TA4575</a>
RNR-1/2"-DN 08	5/16"	1/2"	21	27.5	22	<a href="#">167TA3590</a>
RNR-1/4"-DN 10	3/8"	1/4"	13.2	31.5	14	<a href="#">151TA4573</a>
RNR-3/8"-DN 10	3/8"	3/8"	16.7	26.5	17	<a href="#">151TA4576</a>
RNR-1/2"-DN 10	3/8"	1/2"	21	27.5	22	<a href="#">151TA4577</a>
RNR-3/8"-DN 12	1/2"	3/8"	16.7	31	17	<a href="#">167TA3591</a>
RNR-1/2"-DN 12	1/2"	1/2"	21	33	22	<a href="#">151TA4578</a>
RNR-5/8"-DN 12	1/2"	5/8"	23.3	32.5	25	<a href="#">167TA3592</a>
RNR-3/4"-DN 12	1/2"	3/4"	26.5	34.5	30	<a href="#">167TA3593</a>
RNR-1/2"-DN 16	5/8"	1/2"	21	31.5	22	<a href="#">167TA3594</a>
RNR-5/8"-DN 16	5/8"	5/8"	23.3	32.5	25	<a href="#">151TA4579</a>
RNR-3/4"-DN 16	5/8"	3/4"	26.5	34.5	30	<a href="#">167TA3595</a>
RNR-3/4"-DN 19	3/4"	3/4"	26.5	35	30	<a href="#">151TA4580</a>
RNR-1"-DN 19	3/4"	1"	33.4	48	38	<a href="#">167TA3596</a>
RNR-3/4"-DN 25	1"	3/4"	26.5	35	30	<a href="#">167TA3597</a>
RNR-1"-DN 25	1"	1"	33.4	43	38	<a href="#">151TA4581</a>
RNR-1 1/4"-DN 31	1 1/4"	1 1/4"	42.1	57.7	47	<a href="#">151TA4582</a>



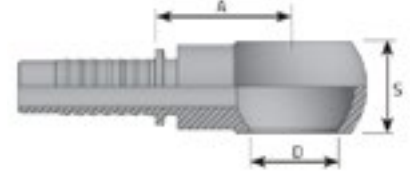
## BSP BANJO BOLT

Description	Thread (BSP)	REF
BB-1/8" BSP	1/8" - 28	<a href="#">131TA6023</a>
BB-1/4" BSP	1/4" - 19	<a href="#">131TA6024</a>
BB-3/8" BSP	3/8" - 19	<a href="#">131TA6025</a>
BB-1/2" BSP	1/2" - 14	<a href="#">131TA6026</a>
BB-5/8" BSP	5/8" - 14	<a href="#">131TA6027</a>
BB-3/4" BSP	3/4" - 14	<a href="#">131TA6028</a>
BB-1" BSP	1" - 11	<a href="#">131TA6029</a>
BB-1 1/4" BSP	1 1/4" - 11	<a href="#">131TA6030</a>



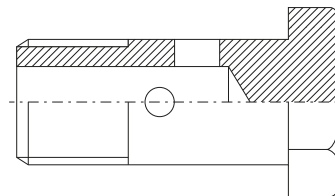
## BANJOS - METRIC

Description	Hoses	Thread	A mm	S mm	D mm	REF
RNM-M10X1-DN 05	3/16"	M10 x 1	19.5	10	10.1	<a href="#">151TA4541</a>
RNM-M12X1.5-DN 05	3/16"	M12 x 1.5	21	12	12.1	<a href="#">167TA3598</a>
RNM-M14X1.5-DN 05	3/16"	M14 x 1.5	23	14	14.1	<a href="#">151TA4547</a>
RNM-M10X1-DN 06	1/4"	M10 x 1	24	10	10.1	<a href="#">151TA4542</a>
RNM-M12X1.5-DN 06	1/4"	M12 x 1.5	23	11	12.1	<a href="#">151TA4543</a>
RNM-M14X1.5-DN 06	1/4"	M14 x 1.5	23	14	14.1	<a href="#">151TA4548</a>
RNM-M16X1.5-DN 06	1/4"	M16 x 1.5	25	17	16.1	<a href="#">151TA4551</a>
RNM-M18X1.5-DN 06	1/4"	M18 x 1.5	29	20	18.1	<a href="#">151TA4557</a>
RNM-M12X1.5-DN 08	5/16"	M12 x 1.5	23	12	12.1	<a href="#">151TA4544</a>
RNM-M14X1.5-DN 08	5/16"	M14 x 1.5	24.5	14	14.1	<a href="#">151TA4549</a>
RNM-M16X1.5-DN 08	5/16"	M16 x 1.5	27	17	16.1	<a href="#">151TA4552</a>
RNM-M18X1.5-DN 08	5/16"	M18 x 1.5	29	20	18.1	<a href="#">151TA4558</a>
RNM-M20X1.5-DN 08	5/16"	M20 x 1.5	28	22	20.1	<a href="#">167TA3599</a>
RNM-M22X1.5-DN 08	5/16"	M22 x 1.5	28	22	22.1	<a href="#">167TA3600</a>
RNM-M14X1.5-DN 10	3/8"	M14 x 1.5	27	14	14.1	<a href="#">151TA4550</a>
RNM-M16X1.5-DN 10	3/8"	M16 x 1.5	27	17	16.1	<a href="#">151TA4553</a>
RNM-M18X1.5-DN 10	3/8"	M18 x 1.5	28	20	18.1	<a href="#">151TA4559</a>
RNM-M20X1.5-DN 10	3/8"	M20 x 1.5	28.5	22	20.1	<a href="#">167TA3601</a>
RNM-M22X1.5-DN 10	3/8"	M22 x 1.5	28.5	22	22.1	<a href="#">151TA4564</a>
RNM-M18X1.5-DN 12	1/2"	M18 x 1.5	30	20	18.1	<a href="#">151TA4560</a>
RNM-M20X1.5-DN 12	1/2"	M20 x 1.5	34	22	20.1	<a href="#">167TA3602</a>
RNM-M22X1.5-DN 12	1/2"	M22 x 1.5	34	22	22.1	<a href="#">151TA4565</a>
RNM-M26X1.5-DN 12	1/2"	M26 x 1.5	34.5	30	26.5	<a href="#">167TA3603</a>
RNM-M22X1.5-DN 16	5/8"	M22 x 1.5	34	22	22.1	<a href="#">151TA4566</a>
RNM-M26X1.5-DN 16	5/8"	M26 x 1.5	34.5	30	26.5	<a href="#">167TA3604</a>
RNM-M26X1.5-DN 19	3/4"	M26 x 1.5	35	30	26.5	<a href="#">151TA4568</a>
RNM-M30X1.5-DN 19	3/4"	M30 x 1.5	41.5	36	30.1	<a href="#">167TA3605</a>
RNM-M30X1.5-DN 25	1"	M30 x 1.5	41.5	36	30.1	<a href="#">151TA4569</a>



## METRIC BANJO BOLT

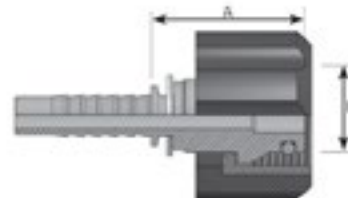
Description	Thread (Metric)	REF
BB-M10x1.5	M10 x 1.5	<a href="#">131TA6031</a>
BB-M12x1.5	M12 x 1.5	<a href="#">131TA6032</a>
BB-M14x1.5	M14 x 1.5	<a href="#">131TA6033</a>
BB-M16x1.5	M16 x 1.5	<a href="#">131TA6034</a>
BB-M18x1.5	M18 x 1.5	<a href="#">131TA6035</a>
BB-M22x1.5	M22 x 1.5	<a href="#">131TA6036</a>
BB-M26x1.5	M26 x 1.5	<a href="#">131TA6037</a>
BB-M30x1.5	M30 x 1.5	<a href="#">168TA1957</a>



# HYDRAULIC CRIMP FITTINGS

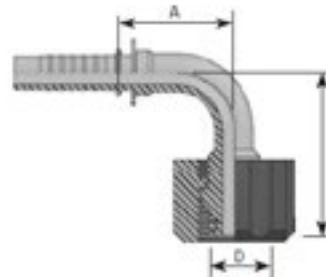
## HOSE COUPLING

Description	Hoses	Thread	A mm	D mm	REF
KAE-M22X1.5-DN 06-33-14	1/4"	M22 x 1.5	33	14	<a href="#">151TA5166</a>
KAE-M22X1.5-DN 06-33-15	1/4"	M22 x 1.5	33	15	<a href="#">151TA5167</a>
KAE-M22X1.5-DN 06-40-15	1/4"	M22 x 1.5	40	15	<a href="#">167TA3606</a>
KAE-M22X1.5-DN 08-33-14	5/16"	M22 x 1.5	33	14	<a href="#">151TA5168</a>
KAE-M22X1.5-DN 08-33-15	5/16"	M22 x 1.5	33	15	<a href="#">151TA5169</a>
KAE-M22X1.5-DN 08-40-15	5/16"	M22 x 1.5	40	15	<a href="#">167TA3607</a>
KAE-M22X1.5-DN 10-33-14	3/8"	M22 x 1.5	33	14	<a href="#">151TA5170</a>
KAE-M22X1.5-DN 10-33-15	3/8"	M22 x 1.5	33	15	<a href="#">167TA3608</a>



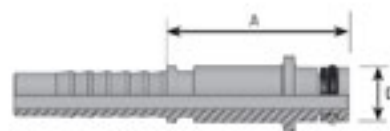
## HOSE COUPLING - FEMALE - 90°

Description	Hoses	Thread	A mm	B mm	REF
KAE-M22X1.5-90°-DN 06-27.5-14	1/4"	M22 x 1.5	27.5	44.5	<a href="#">167TA3609</a>
KAE-M22X1.5-90°-DN 08-32-14	5/16"	M22 x 1.5	32	44.5	<a href="#">167TA3610</a>
KAE-M22X1.5-90°-DN 10-32-14	3/8"	M22 x 1.5	32	47	<a href="#">167TA3611</a>



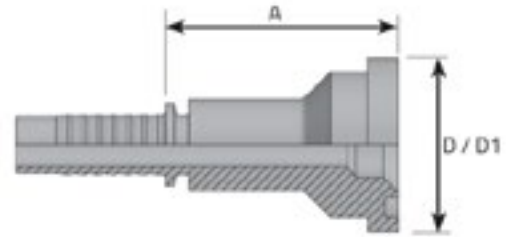
## HOSE COUPLING - MALE

Description	Hoses	Tube-Ø	A mm	D mm	Hexagon	REF
KAE-JEB-DN 06-33.5-10	1/4"	6.4	33.5	10	24	<a href="#">151TA5171</a>
KAE-JEB-DN 06-33.5-11	1/4"	6.4	33.5	11	24	<a href="#">151TA5172</a>
KAE-JEB-DN 08-33.5-10	5/16"	7.9	33.5	10	24	<a href="#">151TA5173</a>
KAE-JEB-DN 08-33.5-11	5/16"	7.9	33.5	11	30	<a href="#">151TA5174</a>



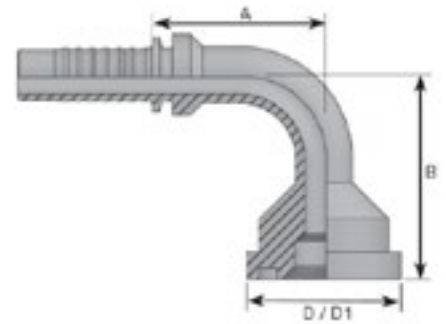
### FLANGE CODE 61 - 3000 PSI

Description	Hoses	D	D1 mm	A mm	REF
SFL-3-1/2"-DN 12	1/2"	1/2"	30.2	49	<a href="#">151TA5076</a>
SFL-3-5/8"-DN 12	1/2"	5/8"	34	48	<a href="#">167TA3612</a>
SFL-3-3/4"-DN 12	1/2"	3/4"	38.1	52	<a href="#">151TA5077</a>
SFL-3-1/2"-DN 16	5/8"	1/2"	30.2	49	<a href="#">167TA3613</a>
SFL-3-5/8"-DN 16	5/8"	5/8"	34	49	<a href="#">151TA5481</a>
SFL-3-3/4"-DN 16	5/8"	3/4"	38.1	48	<a href="#">151TA5078</a>
SFL-3-1/2"-DN 19	3/4"	1/2"	30.2	47	<a href="#">167TA3614</a>
SFL-3-3/4"-DN 19	3/4"	3/4"	38.1	47	<a href="#">151TA5079</a>
SFL-3-1"-DN 19	3/4"	1"	44.5	50	<a href="#">151TA5082</a>
SFL-3-3/4"-DN 25	1"	3/4"	38.1	50	<a href="#">151TA5080</a>
SFL-3-1"-DN 25	1"	1"	44.5	50	<a href="#">151TA5083</a>
SFL-3-1 1/4"-DN 25	1"	1 1/4"	50.8	67	<a href="#">151TA5085</a>
SFL-3-1"-DN 31	1 1/4"	1"	44.5	57	<a href="#">151TA5084</a>
SFL-3-1 1/4"-DN 31	1 1/4"	1 1/4"	50.8	65	<a href="#">151TA5086</a>
SFL-3-1 1/2"-DN 31	1 1/4"	1 1/2"	60.3	70	<a href="#">151TA5089</a>
SFL-3-1 1/2"-DN 38	1 1/2"	1 1/2"	60.3	70	<a href="#">151TA5090</a>
SFL-3-2"-DN 38	1 1/2"	2"	71.4	72	<a href="#">151TA5091</a>
SFL-3-2"-DN 51	2"	2"	71.4	73	<a href="#">151TA5092</a>



### FLANGE CODE 61 - 90° ELBOW - 3000 PSI

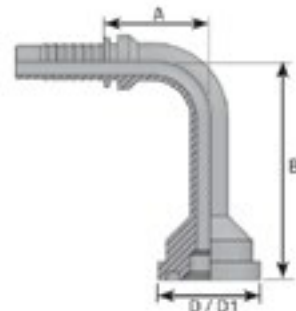
Description	Hoses	D	D1 mm	A mm	B mm	REF
SFL-3-1/2"-90°-DN 12	1/2"	1/2"	30.2	39	43	<a href="#">151TA5119</a>
SFL-3-5/8"-90°-DN 12	1/2"	5/8"	34	39	47	<a href="#">167TA3615</a>
SFL-3-3/4"-90°-DN 12	1/2"	3/4"	38.1	39	50	<a href="#">151TA5120</a>
SFL-3-1/2"-90°-DN 16	5/8"	1/2"	30.2	49	49	<a href="#">167TA3616</a>
SFL-3-5/8"-90°-DN 16	5/8"	5/8"	34	49	52	<a href="#">167TA3617</a>
SFL-3-3/4"-90°-DN 16	5/8"	3/4"	38.1	49	55	<a href="#">151TA5121</a>
SFL-3-1/2"-90°-DN 19	3/4"	1/2"	30.2	57	52	<a href="#">167TA3618</a>
SFL-3-3/4"-90°-DN 19	3/4"	3/4"	38.1	57	58	<a href="#">151TA5122</a>
SFL-3-1"-90°-DN 19	3/4"	1"	44.5	57	62	<a href="#">151TA5124</a>
SFL-3-3/4"-90°-DN 25	1"	3/4"	38.1	77	60	<a href="#">167TA3619</a>
SFL-3-1"-90°-DN 25	1"	1"	44.5	77	64	<a href="#">151TA5125</a>
SFL-3-1 1/4"-90°-DN 25	1"	1 1/4"	50.8	77	70	<a href="#">151TA5127</a>
SFL-3-1"-90°-DN 31	1 1/4"	1"	44.5	89	82	<a href="#">151TA5126</a>
SFL-3-1 1/4"-90°-DN 31	1 1/4"	1 1/4"	50.8	89	87	<a href="#">151TA5128</a>
SFL-3-1 1/2"-90°-DN 31	1 1/4"	1 1/2"	60.3	89	88	<a href="#">151TA5130</a>
SFL-3-1 1/2"-90°-DN 38	1 1/2"	1 1/2"	60.3	101	102	<a href="#">151TA5131</a>
SFL-3-2"-90°-DN 38	1 1/2"	2"	71.4	101	118	<a href="#">151TA5132</a>
SFL-3-2"-90°-DN 51	2"	2"	71.4	144	120	<a href="#">151TA5133</a>



# HYDRAULIC CRIMP FITTINGS

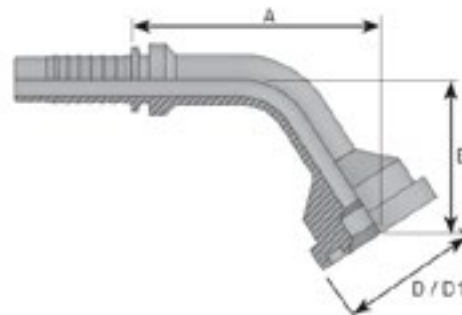
## SAE FLANGE 3000 PSI - 90° LONG DROP

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFL-3-3/4"-90°-DN 19L	3/4"	3/4"	38.1	57	96.8	<a href="#">151TA5532</a>
SFL-3-1"-90°-DN 19L	3/4"	1"	44.5	57	134.5	<a href="#">167TA3620</a>
SFL-3-1"-90°-DN 25L	1"	1"	44.5	77	115.5	<a href="#">151TA5533</a>
SFL-3-1 1/4"-90°-DN 31L	1 1/4"	1 1/4"	50.8	89	114.2	<a href="#">167TA3621</a>
SFL-3-1 1/2"-90°-DN 38L	1 1/2"	1 1/2"	60.3	101	131.4	<a href="#">167TA3622</a>



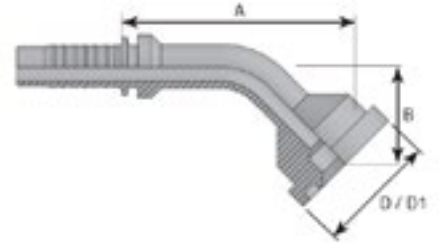
## SAE FLANGE 3000 PSI - 60°

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFL-3-1/2"-60°-DN 12	1/2"	1/2"	30.2	63	<a href="#">167TA3623</a>
SFL-3-5/8"-60°-DN 12	1/2"	5/8"	34	68	<a href="#">167TA3624</a>
SFL-3-3/4"-60°-DN 12	1/2"	3/4"	38.1	68	<a href="#">167TA3625</a>
SFL-3-1/2"-60°-DN 16	5/8"	1/2"	30.2	59	<a href="#">167TA3626</a>
SFL-3-5/8"-60°-DN 16	5/8"	5/8"	34	63	<a href="#">167TA3627</a>
SFL-3-3/4"-60°-DN 16	5/8"	3/4"	38.1	63	<a href="#">167TA3628</a>
SFL-3-1/2"-60°-DN 19	3/4"	1/2"	30.2	63	<a href="#">167TA3629</a>
SFL-3-3/4"-60°-DN 19	3/4"	3/4"	38.1	67	<a href="#">151TA5112</a>
SFL-3-1"-60°-DN 19	3/4"	1"	44.5	70	<a href="#">167TA3630</a>
SFL-3-3/4"-60°-DN 25	1"	3/4"	38.1	83	<a href="#">167TA3631</a>
SFL-3-1"-60°-DN 25	1"	1"	44.5	86	<a href="#">151TA5114</a>
SFL-3-1 1/4"-60°-DN 25	1"	1 1/4"	50.8	90	<a href="#">167TA3632</a>
SFL-3-1"-60°-DN 31	1 1/4"	1"	44.5	96	<a href="#">167TA3633</a>
SFL-3-1 1/4"-60°-DN 31	1 1/4"	1 1/4"	50.8	100	<a href="#">151TA5116</a>
SFL-3-1 1/2"-60°-DN 31	1 1/4"	1 1/2"	60.3	101	<a href="#">151TA5117</a>
SFL-3-1 1/2"-60°-DN 38	1 1/2"	1 1/2"	60.3	112	<a href="#">151TA5118</a>
SFL-3-2"-60°-DN 38	1 1/2"	2"	71.4	123	<a href="#">167TA3634</a>
SFL-3-2"-60°-DN 51	2"	2"	71.4	148	<a href="#">167TA3635</a>



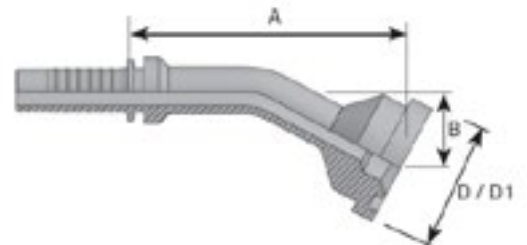
### FLANGE CODE 61 - 45° ELBOW - 3000 PSI

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFL-3-1/2"-45°-DN 12	1/2"	1/2"	30.2	63	23	<a href="#">151TA5100</a>
SFL-3-5/8"-45°-DN 12	1/2"	5/8"	34	68	25	<a href="#">167TA3636</a>
SFL-3-3/4"-45°-DN 12	1/2"	3/4"	38.1	68	28	<a href="#">151TA5101</a>
SFL-3-1/2"-45°-DN 16	5/8"	1/2"	30.2	59	26	<a href="#">167TA3637</a>
SFL-3-5/8"-45°-DN 16	5/8"	5/8"	34	63	30	<a href="#">167TA3638</a>
SFL-3-3/4"-45°-DN 16	5/8"	3/4"	38.1	63	30	<a href="#">167TA3639</a>
SFL-3-1/2"-45°-DN 19	3/4"	1/2"	30.2	63	28	<a href="#">167TA3640</a>
SFL-3-3/4"-45°-DN 19	3/4"	3/4"	38.1	67	32	<a href="#">151TA5102</a>
SFL-3-1"-45°-DN 19	3/4"	1"	44.5	70	35	<a href="#">151TA5104</a>
SFL-3-3/4"-45°-DN 25	1"	3/4"	38.1	83	35	<a href="#">167TA3641</a>
SFL-3-1"-45°-DN 25	1"	1"	44.5	86	35	<a href="#">151TA5105</a>
SFL-3-1 1/4"-45°-DN 25	1"	1 1/4"	50.8	90	36	<a href="#">151TA5106</a>
SFL-3-1"-45°-DN 31	1 1/4"	1"	44.5	96	36	<a href="#">167TA3642</a>
SFL-3-1 1/4"-45°-DN 31	1 1/4"	1 1/4"	50.8	100	43	<a href="#">151TA5107</a>
SFL-3-1 1/2"-45°-DN 31	1 1/4"	1 1/2"	60.3	101	44	<a href="#">151TA5109</a>
SFL-3-1 1/2"-45°-DN 38	1 1/2"	1 1/2"	60.3	112	41	<a href="#">151TA5110</a>
SFL-3-2"-45°-DN 38	1 1/2"	2"	71.4	123	52	<a href="#">167TA3643</a>
SFL-3-2"-45°-DN 51	2"	2"	71.4	148	59	<a href="#">151TA5111</a>



### SAE FLANGE 3000 PSI - 30°

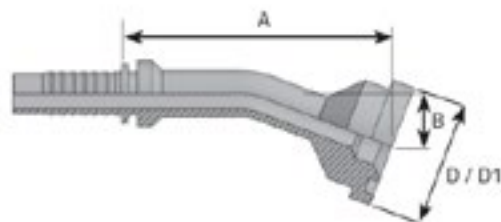
Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFL-3-1/2"-30°-DN 12	1/2"	1/2"	30.2	63	<a href="#">167TA3644</a>
SFL-3-5/8"-30°-DN 12	1/2"	5/8"	34	68	<a href="#">167TA3645</a>
SFL-3-3/4"-30°-DN 12	1/2"	3/4"	38.1	68	<a href="#">167TA3646</a>
SFL-3-1/2"-30°-DN 16	5/8"	1/2"	30.2	59	<a href="#">167TA3647</a>
SFL-3-5/8"-30°-DN 16	5/8"	5/8"	34	63	<a href="#">167TA3648</a>
SFL-3-3/4"-30°-DN 16	5/8"	3/4"	38.1	63	<a href="#">167TA3649</a>
SFL-3-1/2"-30°-DN 19	3/4"	1/2"	30.2	63	<a href="#">167TA3650</a>
SFL-3-3/4"-30°-DN 19	3/4"	3/4"	38.1	67	<a href="#">151TA5093</a>
SFL-3-1"-30°-DN 19	3/4"	1"	44.5	70	<a href="#">151TA5094</a>
SFL-3-3/4"-30°-DN 25	1"	3/4"	38.1	83	<a href="#">167TA3651</a>
SFL-3-1"-30°-DN 25	1"	1"	44.5	86	<a href="#">151TA5095</a>
SFL-3-1 1/4"-30°-DN 25	1"	1 1/4"	50.8	90	<a href="#">167TA3652</a>
SFL-3-1"-30°-DN 31	1 1/4"	1"	44.5	96	<a href="#">167TA3653</a>
SFL-3-1 1/4"-30°-DN 31	1 1/4"	1 1/4"	50.8	100	<a href="#">151TA5097</a>
SFL-3-1 1/2"-30°-DN 31	1 1/4"	1 1/2"	60.3	101	<a href="#">151TA5098</a>
SFL-3-1 1/2"-30°-DN 38	1 1/2"	1 1/2"	60.3	112	<a href="#">151TA5099</a>
SFL-3-2"-30°-DN 38	1 1/2"	2"	71.4	123	<a href="#">167TA3654</a>
SFL-3-2"-30°-DN 51	2"	2"	71.4	148	<a href="#">167TA3655</a>



# HYDRAULIC CRIMP FITTINGS

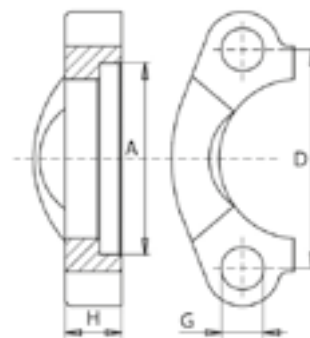
## SAE FLANGE 3000 PSI - 22.5°

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFL-3-1/2"-22.5°-DN 12	1/2"	1/2"	30.2	63	<a href="#">167TA3656</a>
SFL-3-5/8"-22.5°-DN 12	1/2"	5/8"	34	68	<a href="#">167TA3657</a>
SFL-3-3/4"-22.5°-DN 12	1/2"	3/4"	38.1	68	<a href="#">167TA3658</a>
SFL-3-1/2"-22.5°-DN 16	5/8"	1/2"	30.2	59	<a href="#">167TA3659</a>
SFL-3-5/8"-22.5°-DN 16	5/8"	5/8"	34	63	<a href="#">167TA3660</a>
SFL-3-3/4"-22.5°-DN 16	5/8"	3/4"	38.1	63	<a href="#">167TA3661</a>
SFL-3-1/2"-22.5°-DN 19	3/4"	1/2"	30.2	63	<a href="#">167TA3662</a>
SFL-3-3/4"-22.5°-DN 19	3/4"	3/4"	38.7	67	<a href="#">167TA3663</a>
SFL-3-1"-22.5°-DN 19	3/4"	1"	44.5	70	<a href="#">167TA3664</a>
SFL-3-3/4"-22.5°-DN 25	1"	3/4"	38.1	83	<a href="#">167TA3665</a>
SFL-3-1"-22.5°-DN 25	1"	1"	44.5	86	<a href="#">167TA3666</a>
SFL-3-1 1/4"-22.5°-DN 25	1"	1 1/4"	50.8	90	<a href="#">167TA3667</a>
SFL-3-1"-22.5°-DN 31	1 1/4"	1"	44.5	96	<a href="#">167TA3668</a>
SFL-3-1 1/4"-22.5°-DN 31	1 1/4"	1 1/4"	50.8	100	<a href="#">167TA3669</a>
SFL-3-1 1/2"-22.5°-DN 31	1 1/4"	1 1/2"	60.3	101	<a href="#">167TA3670</a>
SFL-3-1 1/2"-22.5°-DN 38	1 1/2"	1 1/2"	60.3	112	<a href="#">167TA3671</a>
SFL-3-2"-22.5°-DN 38	1 1/2"	2"	71.4	123	<a href="#">167TA3672</a>
SFL-3-2"-22.5°-DN 51	2"	2"	71.4	148	<a href="#">167TA3673</a>



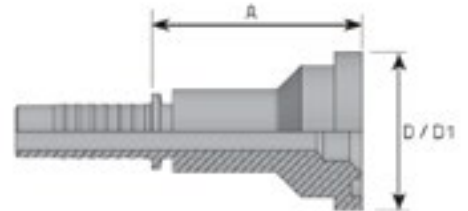
## SAE SPLIT FLANGES 3000 PSI

Description	S.A.E.	A mm	D mm	G mm	H mm	REF
FH-3-1/2"	1/2"	31	38.10	8.75	13	<a href="#">168TA1962</a>
FH-3-3/4"	3/4"	38.9	47.63	10.5	14	<a href="#">168TA1963</a>
FH-3-1"	1"	45.2	52.37	10.5	16	<a href="#">136TA8384</a>
FH-3-1 1/4"	1 1/4"	51.6	58.72	12	14	<a href="#">168TA1964</a>
FH-3-1 1/2"	1 1/2"	61.1	69.85	13.5	16	<a href="#">168TA1965</a>
FH-3-2"	2"	72.2	77.77	13.5	16	<a href="#">168TA1966</a>



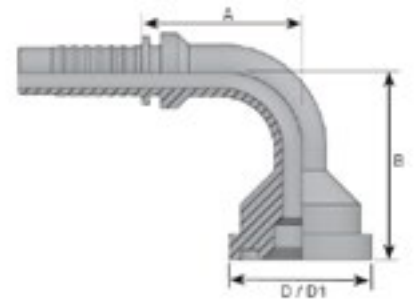
### FLANGE CODE 62 - 45° ELBOW - 6000 PSI

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFS-6-1/2"-DN 12	1/2"	1/2"	31.7	50	<a href="#">167TA3674</a>
SFS-6-3/4"-DN 12	1/2"	3/4"	41.3	55	<a href="#">167TA3675</a>
SFS-6-1/2"-DN 16	5/8"	1/2"	31.7	50	<a href="#">167TA3676</a>
SFS-6-3/4"-DN 16	5/8"	3/4"	41.3	51	<a href="#">167TA3677</a>
SFS-6-1/2"-DN 19	3/4"	1/2"	31.7	53	<a href="#">167TA3678</a>
SFS-6-3/4"-DN 19	3/4"	3/4"	41.3	53	<a href="#">167TA3679</a>
SFS-6-1"-DN 19	3/4"	1"	47.6	64	<a href="#">167TA3680</a>
SFS-6-3/4"-DN 25	1"	3/4"	41.3	64	<a href="#">151TA5540</a>
SFS-6-1"-DN 25	1"	1"	47.6	66	<a href="#">167TA3681</a>
SFS-6-1 1/4"-DN 25	1"	1 1/4"	54	71	<a href="#">167TA3682</a>
SFS-6-1"-DN 31	1 1/4"	1"	47.6	66	<a href="#">167TA3683</a>
SFS-6-1 1/4"-DN 31	1 1/4"	1 1/4"	54	67	<a href="#">167TA3684</a>
SFS-6-1 1/2"-DN 31	1 1/4"	1 1/2"	63.5	78	<a href="#">167TA3685</a>
SFS-6-1 1/2"-DN 38	1 1/2"	1 1/2"	63.5	78	<a href="#">167TA3686</a>
SFS-6-2"-DN 38	1 1/2"	2"	79.4	73	<a href="#">167TA3687</a>
SFS-6-2"-DN 51	2"	2"	79.4	73	<a href="#">167TA3688</a>



### FLANGE CODE 62 - 90° ELBOW - 6000 PSI

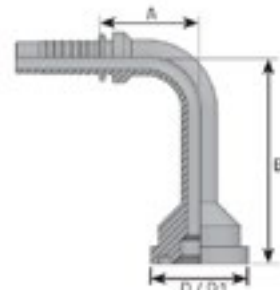
Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-6-1/2"-90°-DN 12	1/2"	1/2"	31.7	39	44	<a href="#">167TA3689</a>
SFS-6-3/4"-90°-DN 12	1/2"	3/4"	41.3	39	51	<a href="#">167TA3690</a>
SFS-6-1/2"-90°-DN 16	5/8"	1/2"	31.7	49	50	<a href="#">167TA3691</a>
SFS-6-3/4"-90°-DN 16	5/8"	3/4"	41.3	49	59	<a href="#">167TA3692</a>
SFS-6-1/2"-90°-DN 19	3/4"	1/2"	31.7	57	53	<a href="#">167TA3693</a>
SFS-6-3/4"-90°-DN 19	3/4"	3/4"	41.3	57	62	<a href="#">151TA5572</a>
SFS-6-1"-90°-DN 19	3/4"	1"	47.6	57	67	<a href="#">151TA5573</a>
SFS-6-3/4"-90°-DN 25	1"	3/4"	41.3	77	64	<a href="#">167TA3694</a>
SFS-6-1"-90°-DN 25	1"	1"	47.6	77	69	<a href="#">167TA3695</a>
SFS-6-1 1/4"-90°-DN 25	1"	1 1/4"	54	77	73	<a href="#">167TA3696</a>
SFS-6-1"-90°-DN 31	1 1/4"	1"	47.6	89	87	<a href="#">167TA3697</a>
SFS-6-1 1/4"-90°-DN 31	1 1/4"	1 1/4"	54	89	93	<a href="#">167TA3698</a>
SFS-6-1 1/2"-90°-DN 31	1 1/4"	1 1/2"	63.5	89	97	<a href="#">167TA3699</a>
SFS-6-1 1/2"-90°-DN 38	1 1/2"	1 1/2"	63.5	101	111	<a href="#">167TA3700</a>
SFS-6-2"-90°-DN 38	1 1/2"	2"	79.4	101	126	<a href="#">167TA3701</a>
SFS-6-2"-90°-DN 51	2"	2"	79.4	144	128	<a href="#">167TA3702</a>



# HYDRAULIC CRIMP FITTINGS

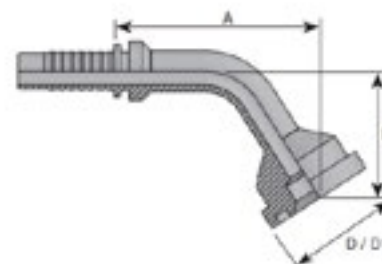
## SAE FLANGE 6000 PSI - 90° LONG DROP

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-6-3/4"-90°-DN 19L	3/4"	3/4"	41.3	57	100	<a href="#">151TA5581</a>
SFS-6-1"-90°-DN 19L	3/4"	1"	47.6	57	137	<a href="#">167TA3703</a>
SFS-6-1"-90°-DN 25L	1"	1"	57.6	77	120	<a href="#">151TA5588</a>
SFS-6-1 1/4"-90°-DN 31L	1 1/4"	1 1/4"	54	89	115	<a href="#">167TA3704</a>
SFS-6-1 1/2"-90°-DN 38L	1 1/2"	1 1/2"	63.5	95	135	<a href="#">167TA3705</a>



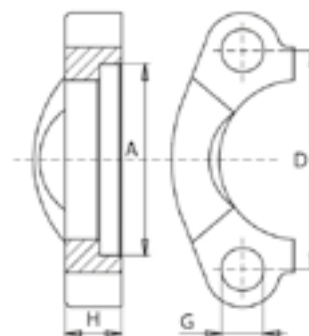
## SAE FLANGE 6000 PSI - 60°

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFS-6-1/2"-60°-DN 12	1/2"	1/2"	31.7	64	<a href="#">167TA3706</a>
SFS-6-3/4"-60°-DN 12	1/2"	3/4"	41.3	69	<a href="#">167TA3707</a>
SFS-6-1/2"-60°-DN 16	5/8"	1/2"	31.7	60	<a href="#">167TA3708</a>
SFS-6-3/4"-60°-DN 16	5/8"	3/4"	41.3	66	<a href="#">167TA3709</a>
SFS-6-1/2"-60°-DN 19	3/4"	1/2"	31.7	64	<a href="#">168TA1754</a>
SFS-6-3/4"-60°-DN 19	3/4"	3/4"	41.3	70	<a href="#">168TA1755</a>
SFS-6-1"-60°-DN 19	3/4"	1"	47.6	74	<a href="#">167TA3710</a>
SFS-6-3/4"-60°-DN 25	1"	3/4"	41.3	86	<a href="#">167TA3711</a>
SFS-6-1"-60°-DN 25	1"	1"	47.6	89	<a href="#">167TA3712</a>
SFS-6-1 1/4"-60°-DN 25	1"	1 1/4"	54	94	<a href="#">167TA3713</a>
SFS-6-1"-60°-DN 31	1 1/4"	1"	47.6	100	<a href="#">167TA3714</a>
SFS-6-1 1/4"-60°-DN 31	1 1/4"	1 1/4"	54	104	<a href="#">167TA3715</a>
SFS-6-1 1/2"-60°-DN 31	1 1/4"	1 1/2"	63.5	107	<a href="#">167TA3716</a>
SFS-6-1 1/2"-60°-DN 38	1 1/2"	1 1/2"	63.5	118	<a href="#">167TA3717</a>
SFS-6-2"-60°-DN 38	1 1/2"	2"	79.4	119	<a href="#">168TA1756</a>
SFS-6-2"-60°-DN 51	2"	2"	79.4	153	<a href="#">167TA3718</a>



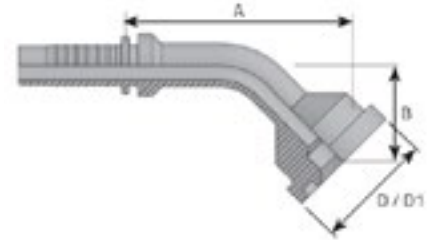
## SAE SPLIT FLANGES 6000 PSI

Description	S.A.E.	A mm	D mm	G mm	H mm	REF
FH-6-1/2"	1/2"	32.5	40.49	8.75	16	<a href="#">168TA1967</a>
FH-6-3/4"	3/4"	42	50.80	10.5	19	<a href="#">168TA1968</a>
FH-6-1"	1"	48.4	57.15	13	24	<a href="#">168TA1969</a>
FH-6-1 1/4"	1 1/4"	54.8	66.68	15	27	<a href="#">168TA1970</a>
FH-6-1 1/2"	1 1/2"	64.3	79.38	17	30	<a href="#">168TA1971</a>
FH-6-2"	2"	80.2	96.82	21	37	<a href="#">168TA1972</a>



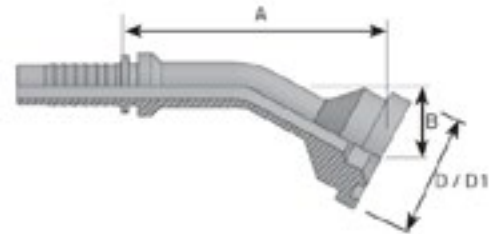
### FLANGE CODE 62 - 6000 PSI - 45°

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-6-1/2"-45°-DN 12	1/2"	1/2"	31.7	64	23	<a href="#">167TA3719</a>
SFS-6-3/4"-45°-DN 12	1/2"	3/4"	41.3	69	28	<a href="#">167TA3720</a>
SFS-6-1/2"-45°-DN 16	5/8"	1/2"	31.7	60	26	<a href="#">167TA3721</a>
SFS-6-3/4"-45°-DN 16	5/8"	3/4"	41.3	66	30	<a href="#">167TA3722</a>
SFS-6-1/2"-45°-DN 19	3/4"	1/2"	31.7	64	28	<a href="#">167TA3723</a>
SFS-6-3/4"-45°-DN 19	3/4"	3/4"	41.3	70	32	<a href="#">167TA3724</a>
SFS-6-1"-45°-DN 19	3/4"	1"	47.6	74	35	<a href="#">167TA3725</a>
SFS-6-3/4"-45°-DN 25	1"	3/4"	41.3	86	35	<a href="#">167TA3726</a>
SFS-6-1"-45°-DN 25	1"	1"	47.6	89	32	<a href="#">167TA3727</a>
SFS-6-1 1/4"-45°-DN 25	1"	1 1/4"	54	94	36	<a href="#">167TA3728</a>
SFS-6-1"-45°-DN 31	1 1/4"	1"	47.6	100	36	<a href="#">167TA3729</a>
SFS-6-1 1/4"-45°-DN 31	1 1/4"	1 1/4"	54	104	43	<a href="#">167TA3730</a>
SFS-6-1 1/2"-45°-DN 31	1 1/4"	1 1/2"	63.5	107	44	<a href="#">167TA3731</a>
SFS-6-1 1/2"-45°-DN 38	1 1/2"	1 1/2"	63.5	118	41	<a href="#">166TA3795</a>
SFS-6-2"-45°-DN 38	1 1/2"	2"	79.4	119	52	<a href="#">167TA3732</a>
SFS-6-2"-45°-DN 51	2"	2"	79.4	153	59	<a href="#">167TA3733</a>



### SAE FLANGE 6000 PSI - 22.5°

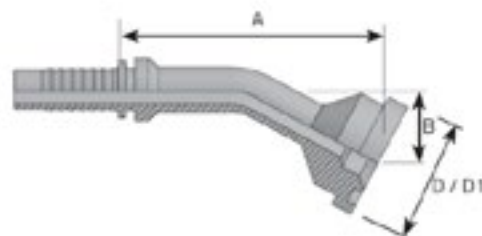
Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFS-6-1/2"-22.5°-DN 12	1/2"	1/2"	31.7	64	<a href="#">167TA3734</a>
SFS-6-3/4"-22.5°-DN 12	1/2"	3/4"	41.3	69	<a href="#">167TA3735</a>
SFS-6-1/2"-22.5°-DN 16	5/8"	1/2"	31.7	60	<a href="#">167TA3736</a>
SFS-6-3/4"-22.5°-DN 16	5/8"	3/4"	41.3	66	<a href="#">167TA3737</a>
SFS-6-1/2"-22.5°-DN 19	3/4"	1/2"	31.7	64	<a href="#">167TA3738</a>
SFS-6-3/4"-22.5°-DN 19	3/4"	3/4"	41.3	70	<a href="#">167TA3739</a>
SFS-6-1"-22.5°-DN 19	3/4"	1"	47.6	74	<a href="#">167TA3740</a>
SFS-6-3/4"-22.5°-DN 25	1"	3/4"	41.3	86	<a href="#">168TA1961</a>
SFS-6-1"-22.5°-DN 25	1"	1"	47.6	89	<a href="#">167TA3741</a>
SFS-6-1 1/4"-22.5°-DN 25	1"	1 1/4"	54	94	<a href="#">167TA3742</a>
SFS-6-1"-22.5°-DN 31	1 1/4"	1"	47.6	100	<a href="#">167TA3743</a>
SFS-6-1 1/4"-22.5°-DN 31	1 1/4"	1 1/4"	54	104	<a href="#">167TA3744</a>
SFS-6-1 1/2"-22.5°-DN 31	1 1/4"	1 1/2"	63.5	107	<a href="#">167TA3745</a>
SFS-6-1 1/2"-22.5°-DN 38	1 1/2"	1 1/2"	63.5	118	<a href="#">167TA3746</a>
SFS-6-2"-22.5°-DN 38	1 1/2"	2"	79.4	119	<a href="#">167TA3747</a>
SFS-6-2"-22.5°-DN 51	2"	2"	79.4	153	<a href="#">167TA3748</a>



# HYDRAULIC CRIMP FITTINGS

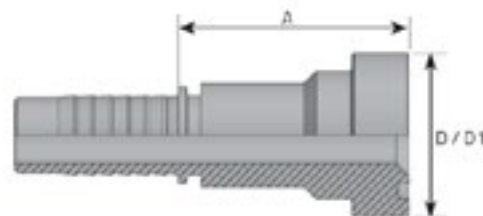
## SAE SPLIT FLANGES 6000 PSI - 30°

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFS-6-1/2"-30-DN 12	1/2"	1/2"	31.7	64	<a href="#">168TA2039</a>
SFS-6-3/4"-30-DN 12	1/2"	3/4"	41.3	69	<a href="#">168TA2038</a>
SFS-6-1/2"-30-DN 16	5/8"	1/2"	31.7	60	<a href="#">168TA2024</a>
SFS-6-3/4"-30-DN 16	5/8"	3/4"	41.3	66	<a href="#">168TA2025</a>
SFS-6-1/2"-30-DN 19	3/4"	1/2"	31.7	64	<a href="#">168TA2026</a>
SFS-6-3/4"-30-DN 19	3/4"	3/4"	41.3	70	<a href="#">168TA2027</a>
SFS-6-1"-30-DN 19	3/4"	1"	47.6	74	<a href="#">168TA2028</a>
SFS-6-3/4"-30-DN 25	1"	3/4"	41.3	86	<a href="#">168TA2029</a>
SFS-6-1"-30-DN 25	1"	1"	47.6	89	<a href="#">168TA2030</a>
SFS-6-1 1/4"-30-DN 25	1"	1 1/4"	54	94	<a href="#">168TA2031</a>
SFS-6-1"-30-DN 31	1 1/4"	1"	47.6	100	<a href="#">168TA2032</a>
SFS-6-1 1/4"-30-DN 31	1 1/4"	1 1/4"	54	104	<a href="#">168TA2033</a>
SFS-6-1 1/2"-30-DN 31	1 1/4"	1 1/2"	63.5	107	<a href="#">168TA2034</a>
SFS-6-1 1/2"-30-DN 38	1 1/2"	1 1/2"	63.5	118	<a href="#">168TA2035</a>
SFS-6-2"-30-DN 38	1 1/2"	2"	79.4	119	<a href="#">168TA2036</a>
SFS-6-2"-30-DN 51	2"	2"	79.4	153	<a href="#">168TA2037</a>



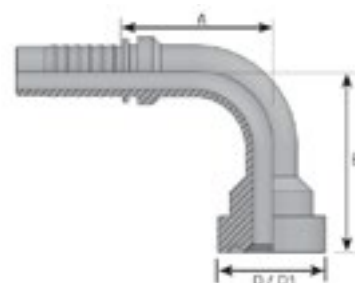
## SAE FLANGE "CAT" 9000 PSI

Description	Hoses	D S.A.E	D1 mm	A mm	REF
SFS-CAT-9-3/4"-DN 19	3/4"	3/4"	41.3	58	<a href="#">167TA3749</a>
SFS-CAT-9-1"-DN 19	3/4"	1"	47.6	70	<a href="#">167TA3750</a>
SFS-CAT-9-1"-DN 25	1"	1"	47.6	72	<a href="#">167TA3751</a>
SFS-CAT-9-1 1/4"-DN 25	1"	1 1/4"	54	75	<a href="#">167TA3752</a>
SFS-CAT-9-1 1/4"-DN 31	1 1/4"	1 1/4"	54	71	<a href="#">167TA3753</a>
SFS-CAT-9-1 1/2"-DN 31	1 1/4"	1 1/2"	63.5	80	<a href="#">167TA3754</a>
SFS-CAT-9-1 1/2"-DN 38	1 1/2"	1 1/2"	63.5	80	<a href="#">167TA3755</a>



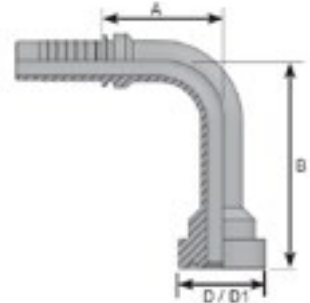
## SAE FLANGE "CAT" 9000 PSI - 90°

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-CAT-9-3/4"-90°-DN 19	3/4"	3/4"	41.3	57	67	<a href="#">167TA3756</a>
SFS-CAT-9-1"-90°-DN 19	3/4"	1"	47.6	57	73	<a href="#">167TA3757</a>
SFS-CAT-9-1"-90°-DN 25	1"	1"	47.6	77	75	<a href="#">167TA3758</a>
SFS-CAT-9-1 1/4"-90°-DN 25	1"	1 1/4"	54	77	80	<a href="#">167TA3759</a>
SFS-CAT-9-1 1/4"-90°-DN 31	1 1/4"	1 1/4"	54	89	97	<a href="#">167TA3760</a>
SFS-CAT-9-1 1/2"-90°-DN 31	1 1/4"	1 1/2"	63.5	89	99	<a href="#">167TA3761</a>
SFS-CAT-9-1 1/2"-90°-DN 38	1 1/2"	1 1/2"	63.5	101	113	<a href="#">167TA3762</a>



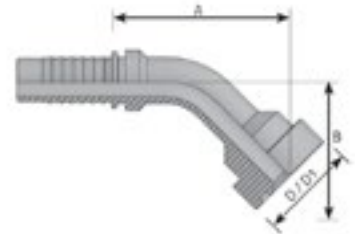
### SAE FLANGE "CAT" 9000 PSI - 90° LONG DROP

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-CAT-9-3/4"-90°-DN 19L	3/4"	3/4"	41.3	57	105.4	<a href="#">167TA3763</a>
SFS-CAT-9-1"-90°-DN 19L	3/4"	1"	47.6	57	142	<a href="#">167TA3764</a>
SFS-CAT-9-1"-90°-DN 25L	1"	1"	47.6	77	124.8	<a href="#">167TA3765</a>
SFS-CAT-9-1 1/4"-90°-DN 31L	1 1/4"	1 1/4"	54	89	123	<a href="#">167TA3766</a>
SFS-CAT-9-1 1/2"-90°-DN 38L	1 1/2"	1 1/2"	63.5	101	139	<a href="#">167TA3767</a>



### SAE FLANGE "CAT" 9000 PSI - 45°

Description	Hoses	D S.A.E	D1 mm	A mm	B mm	REF
SFS-CAT-9-3/4"-45°-DN 19	3/4"	3/4"	41.3	74	39	<a href="#">167TA3768</a>
SFS-CAT-9-1"-45°-DN 19	3/4"	1"	47.6	78	43	<a href="#">167TA3769</a>
SFS-CAT-9-1"-45°-DN 25	1"	1"	47.6	94	40	<a href="#">167TA3770</a>
SFS-CAT-9-1 1/4"-45°-DN 25	1"	1 1/4"	54	97	43	<a href="#">167TA3771</a>
SFS-CAT-9-1 1/4"-45°-DN 31	1 1/4"	1 1/4"	54	107	50	<a href="#">167TA3772</a>
SFS-CAT-9-1 1/2"-45°-DN 31	1 1/4"	1 1/2"	63.5	108	51	<a href="#">167TA3773</a>
SFS-CAT-9-1 1/2"-45°-DN 38	1 1/2"	1 1/2"	63.5	120	49	<a href="#">167TA3774</a>



### SEAL SAE 3000 - 6000 PSI FLANGE

D S.A.E	REF
1/2"	<a href="#">151TA5140</a>
3/4"	<a href="#">151TA5141</a>
1"	<a href="#">151TA5142</a>
1 1/4"	<a href="#">151TA5143</a>
1 1/2"	<a href="#">151TA5144</a>
2"	<a href="#">151TA5145</a>



### WIPER SEAL 3000 - 6000 - 9000 PSI FLANGE

D S.A.E	A mm	B mm	C mm	REF
1/2"	25.6	3.8	3.5	<a href="#">151TA5146</a>
3/4"	31.8	3.8	3.5	<a href="#">151TA5147</a>
1"	39.8	3.8	3.5	<a href="#">151TA5148</a>
1 1/4"	44.8	3.8	3.5	<a href="#">151TA5149</a>
1 1/2"	54.3	3.8	3.5	<a href="#">151TA5150</a>
2"	63.8	3.8	3.5	<a href="#">151TA5151</a>

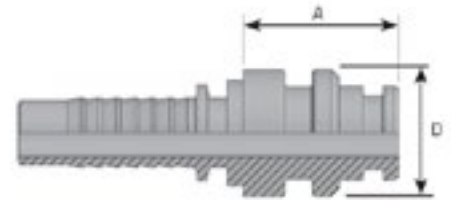


# HYDRAULIC CRIMP FITTINGS

## CLAMP COUPLING - MALE

Description	Hoses	A mm	D mm	REF
RS-STECK-O-DN 06	1/4"	28.7	15	<a href="#">151TA5215</a>
RS-STECK-O-DN 10	3/8"	28.8	20	<a href="#">151TA5217</a>
RS-STECK-O-DN 12	1/2"	28.7	24	<a href="#">151TA5218</a>
RS-STECK-O-DN 19	3/4"	28.9	29	<a href="#">151TA5220</a>
RS-STECK-O-DN 25	1"	35.1	39	<a href="#">151TA5221</a>
RS-STECK-O-DN 31	1 1/4"	35	46	<a href="#">151TA5222</a>
RS-STECK-O-DN 38	1 1/2"	40	55	<a href="#">167TA3775</a>
RS-STECK-O-DN 51	2"	40	64	<a href="#">167TA3776</a>

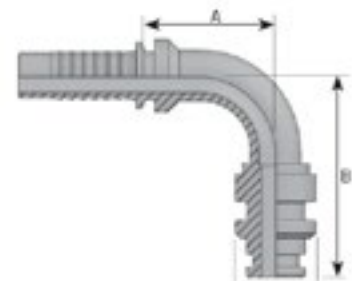
\* seal included



## CLAMP COUPLING MALE - 90°

Description	Hoses	A mm	B mm	REF
RS-STECK-O-90°-DN 10	3/8"	32.5	53.5	<a href="#">151TA5234</a>
RS-STECK-O-90°-DN 12	1/2"	39	58	<a href="#">151TA5235</a>

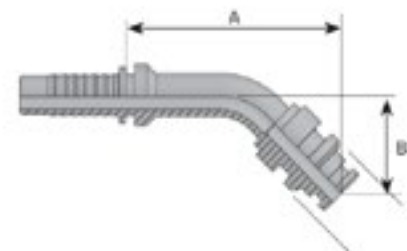
\* seal included



## CLAMP COUPLING - 45°

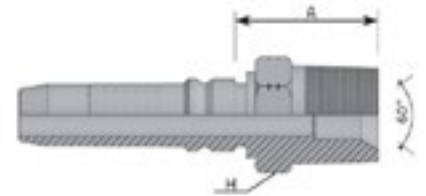
Description	Hoses	A mm	B mm	REF
RS-STECK-O-45°-DN 10	3/8"	65	34	<a href="#">167TA3777</a>
RS-STECK-O-45°-DN 12	1/2"	73	35	<a href="#">167TA3778</a>

\* seal included



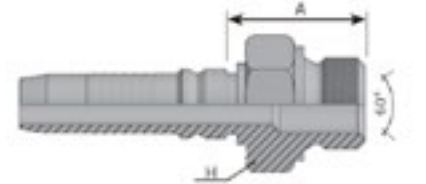
### INTERLOCK COUPLING NPTF - MALE

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-AGN-3/4"-DN 19	3/4"	3/4"-14	96.5	27	34.5	<a href="#">151TA5727</a>
I-AGN-1"-DN 19	3/4"	1"-11.5	104.5	36	42.5	<a href="#">167TA8038</a>
I-AGN-1"-DN 25	1"	1"-11.5	115	36	43	<a href="#">151TA5728</a>
I-AGN-1 1/4"-DN 25	1"	1 1/4"-11.5	115	46	43	<a href="#">167TA8039</a>
I-AGN-1 1/4"-DN 31	1 1/4"	1 1/4"-11.5	137.5	46	44	<a href="#">151TA5729</a>
I-AGN-1 1/2"-DN 31	1 1/4"	1 1/2"-11.5	137.5	50	44	<a href="#">167TA8040</a>
I-AGN-1 1/2"-DN 38	1 1/2"	1 1/2"-11.5	139	50	44.5	<a href="#">151TA5730</a>
I-AGN-2"-DN 51	2"	2"-11.5	155	65	57	<a href="#">151TA5731</a>



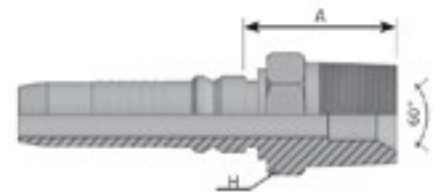
### INTERLOCK COUPLING BSPP - MALE

Description	Hoses	Thread	A mm	H mm	REF
I-AGR-3/4"-DN 19	3/4"	3/4"-14	34.7	32	<a href="#">151TA5713</a>
I-AGR-1"-DN 25	1"	1"-11	37.4	38	<a href="#">151TA5714</a>
I-AGR-1 1/4"-DN 25	1"	1 1/4"-11	42.6	50	<a href="#">167TA8041</a>
I-AGR-1 1/4"-DN 31	1 1/4"	1 1/4"-11	44.2	50	<a href="#">151TA5715</a>
I-AGR-1 1/2"-DN 38	1 1/2"	1 1/2"-11	44.5	55	<a href="#">151TA5716</a>
I-AGR-2"-DN 51	2"	2"-11	54	70	<a href="#">167TA8042</a>



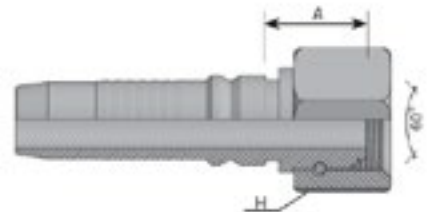
### INTERLOCK COUPLING BSPT - MALE

Description	Hoses	Thread	A mm	H mm	REF
I-AGR-K-3/4"-DN 19	3/4"	3/4"-14	34.7	27	<a href="#">167TA8043</a>
I-AGR-K-1"-DN 25	1"	1"-11	43.5	36	<a href="#">167TA8044</a>
I-AGR-K-1 1/4"-DN 31	1 1/4"	1 1/4"-11	42.0	46	<a href="#">167TA8045</a>
I-AGR-K-1 1/2"-DN 38	1 1/2"	1 1/2"-11	46	50	<a href="#">167TA8046</a>
I-AGR-K-2"-DN 51	2"	2"-11	57	65	<a href="#">167TA8047</a>



### INTERLOCK COUPLING BSPP - FEMALE

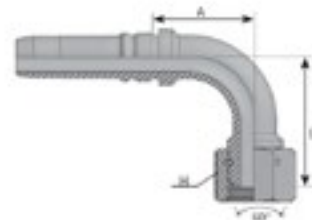
Description	Hoses	Thread	A mm	H mm	REF
I-DKR-3/4"-DN 19	3/4"	3/4"-14	22.7	32	<a href="#">151TA5696</a>
I-DKR-1"-DN 25	1"	1"-11	24.7	38	<a href="#">151TA5697</a>
I-DKR-1 1/4"-DN 25	1"	1 1/4"-11	27.5	50	<a href="#">167TA8048</a>
I-DKR-1 1/4"-DN 31	1 1/4"	1 1/4"-11	28.2	50	<a href="#">151TA5698</a>
I-DKR-1 1/2"-DN 38	1 1/2"	1 1/2"-11	30.5	55	<a href="#">151TA5699</a>
I-DKR-2"-DN 51	2"	2"-11	34	70	<a href="#">167TA8049</a>



# HYDRAULIC CRIMP FITTINGS

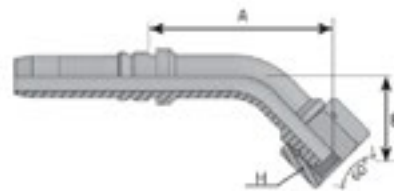
## INTERLOCK COUPLING BSPP - FEMALE - 90°

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-DKR-3/4"-90°-DN 19	3/4"	3/4"-14	54	32	59	<a href="#">151TA5706</a>
I-DKR-1"-90°-DN 25	1"	1"-11	70.5	38	72	<a href="#">151TA5707</a>
I-DKR-1 1/4"-90°-DN 25	1"	1 1/4"-11	70.5	50	80	<a href="#">167TA8050</a>
I-DKR-1 1/4"-90°-DN 31	1 1/4"	1 1/4"-11	87.7	50	93	<a href="#">151TA5708</a>
I-DKR-1 1/2"-90°-DN 38	1 1/2"	1 1/2"-11	99.5	55	114	<a href="#">167TA8051</a>
I-DKR-2"-90°-DN 51	2"	2"-11	70	135	136	<a href="#">167TA8052</a>



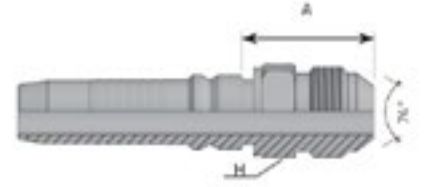
## INTERLOCK COUPLING BSPP - FEMALE - 45°

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-DKR-3/4"-45°-DN 19	3/4"	3/4"-14	60.7	32	29	<a href="#">151TA5701</a>
I-DKR-1"-45°-DN 25	1"	1"-11	87.5	38	41	<a href="#">151TA5702</a>
I-DKR-1 1/4"-45°-DN 25	1"	1 1/4"-11	90.5	50	44	<a href="#">167TA8053</a>
I-DKR-1 1/4"-45°-DN 31	1 1/4"	1 1/4"-11	100.5	50	44	<a href="#">151TA5703</a>
I-DKR-1 1/2"-45°-DN 38	1 1/2"	1 1/2"-11	116.5	55	45	<a href="#">151TA5704</a>
I-DKR-2"-45°-DN 51	2"	2"-11	156	70	68	<a href="#">167TA8054</a>



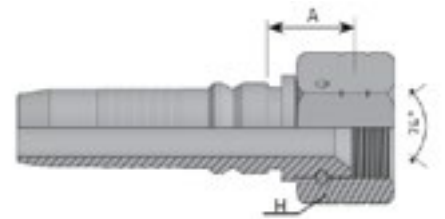
### INTERLOCK COUPLING JIC 37° - MALE

Description	Hoses	Thread	A mm	H mm	REF
I-AGJ-1 1/16"-DN 19	3/4"	1 1/16"-12	38	27	<a href="#">151TA5756</a>
I-AGJ-1 3/16"-DN 19	3/4"	1 3/16"-12	39	32	<a href="#">167TA8055</a>
I-AGJ-1 5/16"-DN 19	3/4"	1 5/16"-12	39	34	<a href="#">151TA5757</a>
I-AGJ-1 5/16"-DN 25	1"	1 5/16"-12	40	34	<a href="#">151TA5758</a>
I-AGJ-1 5/8"-DN 25	1"	1 5/8"-12	42.5	42	<a href="#">151TA5759</a>
I-AGJ-1 5/8"-DN 31	1 1/4"	1 5/8"-12	44	42	<a href="#">151TA5760</a>
I-AGJ-1 7/8"-DN 31	1 1/4"	1 7/8"-12	51	50	<a href="#">167TA8056</a>
I-AGJ-1 7/8"-DN 38	1 1/2"	1 7/8"-12	51	50	<a href="#">151TA5761</a>
I-AGJ-2 1/2"-DN 51	2"	2 1/2"-12	61.5	65	<a href="#">151TA5762</a>



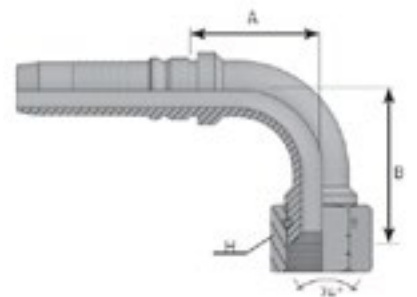
### INTERLOCK COUPLING JIC 37° - FEMALE

Description	Hoses	Thread	A mm	H mm	REF
I-DKJ-1 1/16"-DN 19	3/4"	1 1/16"-12	20.5	32	<a href="#">151TA5735</a>
I-DKJ-1 3/16"-DN 19	3/4"	1 3/16"-12	20.5	36	<a href="#">167TA8057</a>
I-DKJ-1 5/16"-DN 19	3/4"	1 5/16"-12	20.5	41	<a href="#">151TA5736</a>
I-DKJ-1 5/16"-DN 25	1"	1 5/16"-12	22	41	<a href="#">151TA5737</a>
I-DKJ-1 5/8"-DN 25	1"	1 5/8"-12	26	50	<a href="#">151TA5738</a>
I-DKJ-1 5/8"-DN 31	1 1/4"	1 5/8"-12	27.5	50	<a href="#">151TA5739</a>
I-DKJ-1 7/8"-DN 31	1 1/4"	1 7/8"-12	29.5	55	<a href="#">151TA5740</a>
I-DKJ-1 7/8"-DN 38	1 1/2"	1 7/8"-12	29.5	55	<a href="#">151TA5741</a>
I-DKJ-2 1/2"-DN 51	2"	2 1/2"-12	33	70	<a href="#">151TA5742</a>



### INTERLOCK COUPLING JIC 37° - FEMALE - 90°

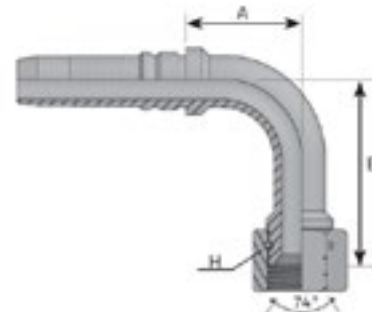
Description	Hoses	Thread	A mm	H mm	B mm	REF
I-DKJ-1 1/16"-90°-DN 19	3/4"	1 1/16"-12	58	32	51	<a href="#">151TA5748</a>
I-DKJ-1 3/16"-90°-DN 19	3/4"	1 3/16"-12	61	36	51	<a href="#">167TA8058</a>
I-DKJ-1 5/16"-90°-DN 19	3/4"	1 5/16"-12	62.5	41	51	<a href="#">167TA8059</a>
I-DKJ-1 5/16"-90°-DN 25	1"	1 5/16"-12	69.5	41	70.5	<a href="#">151TA5749</a>
I-DKJ-1 5/8"-90°-DN 25	1"	1 5/8"-12	78.5	50	70.5	<a href="#">167TA8060</a>
I-DKJ-1 5/8"-90°-DN 31	1 1/4"	1 5/8"-12	91.5	50	87.5	<a href="#">151TA5750</a>
I-DKJ-1 7/8"-90°-DN 31	1 1/4"	1 7/8"-12	99	55	97.5	<a href="#">151TA5751</a>
I-DKJ-1 7/8"-90°-DN 38	1 1/2"	1 7/8"-12	112.5	55	99.5	<a href="#">151TA5752</a>
I-DKJ-2 1/2"-90°-DN 51	2"	2 1/2"-12	101	70	110	<a href="#">151TA5753</a>



# HYDRAULIC CRIMP FITTINGS

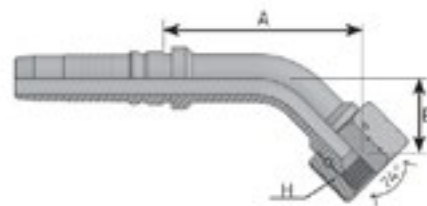
## INTERLOCK COUPLING JIC 37° - FEMALE - 90° LONG DROP

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-DKJ-1 1/16"-90°-DN 19L	3/4"	1 1/16"-12	62	32	94.5	<a href="#">167TA8061</a>
I-DKJ-1 5/16"-90°-DN 25L	1"	1 5/16"-12	77	41	110	<a href="#">167TA8062</a>
I-DKJ-1 5/8"-90°-DN 25L	1"	1 5/8"-12	77	50	116	<a href="#">167TA8063</a>
I-DKJ-1 5/8"-90°-DN 31L	1 1/4"	1 5/8"-12	89	50	136	<a href="#">167TA8064</a>
I-DKJ-1 7/8"-90°-DN 38L	1 1/2"	1 7/8"-12	101	55	162	<a href="#">167TA8065</a>
I-DKJ-2 1/2"-90°-DN 51L	2"	2 1/2"-12	135	70	220	<a href="#">167TA8066</a>



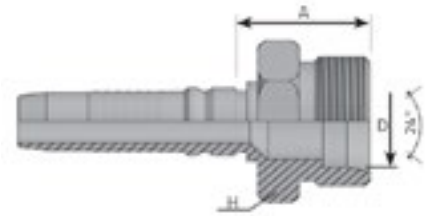
## INTERLOCK COUPLING JIC 37° - FEMALE - 45°

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-DKJ-1 1/16"-45°-DN 19	3/4"	1 1/16"-12	59.5	32	29	<a href="#">151TA5743</a>
I-DKJ-1 3/16"-45°-DN 19	3/4"	1 3/16"-12	60.5	36	29	<a href="#">167TA8067</a>
I-DKJ-1 5/16"-45°-DN 19	3/4"	1 5/16"-12	60.5	41	29	<a href="#">167TA8068</a>
I-DKJ-1 5/16"-45°-DN 25	1"	1 5/16"-12	86	41	39.5	<a href="#">151TA5744</a>
I-DKJ-1 5/8"-45°-DN 25	1"	1 5/8"-12	87	50	38.5	<a href="#">167TA8069</a>
I-DKJ-1 5/8"-45°-DN 31	1 1/4"	1 5/8"-12	99.5	55	44	<a href="#">151TA5745</a>
I-DKJ-1 7/8"-45°-DN 31	1 1/4"	1 7/8"-12	101.5	55	45	<a href="#">167TA8070</a>
I-DKJ-1 7/8"-45°-DN 38	1 1/2"	1 7/8"-12	116.5	55	45	<a href="#">151TA5746</a>
I-DKJ-2 1/2"-45°-DN 51	2"	2 1/2"-12	156	70	65.8	<a href="#">151TA5747</a>



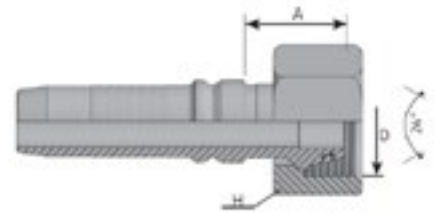
### INTERLOCK COUPLING 24° S - MALE

Description	Hoses	Thread	A mm	H mm	D mm	REF
I-CES-M30X2-DN 19	3/4"	M30 x 2	31.5	32	20	<a href="#">167TA8071</a>
I-CES-M36X2-DN 19	3/4"	M36 x 2	33.5	38	25	<a href="#">151TA5687</a>
I-CES-M36X2-DN 25	1"	M36 x 2	36	38	25	<a href="#">167TA8072</a>
I-CES-M42X2-DN 25	1"	M42 x 2	39.5	46	30	<a href="#">151TA5690</a>
I-CES-M42X2-DN 31	1 1/4"	M42 x 2	40.5	46	30	<a href="#">167TA8073</a>
I-CES-M52X2-DN 31	1 1/4"	M52 x 2	44.5	55	38	<a href="#">151TA5693</a>
I-CES-M52X2-DN 38	1 1/2"	M52 x 2	44.5	55	38	<a href="#">167TA8074</a>



### INTERLOCK COUPLING 24° S - FEMALE

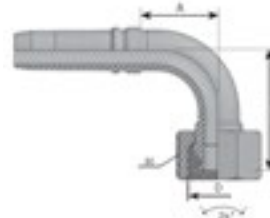
Description	Hoses	Thread	A mm	H mm	D mm	REF
I-DKOS-M30X2-DN 16	5/8"	M30 x 2	-	-	20	<a href="#">167TA8075</a>
I-DKOS-M30X2-DN 19	3/4"	M30 x 2	35	36	20	<a href="#">167TA8076</a>
I-DKOS-M36X2-DN 19	3/4"	M36 x 2	37	46	25	<a href="#">151TA5659</a>
I-DKOS-M36X2-DN 25	1"	M36 x 2	37	46	25	<a href="#">151TA5661</a>
I-DKOS-M42X2-DN 25	1"	M42 x 2	38	50	30	<a href="#">151TA5663</a>
I-DKOS-M42X2-DN 31	1 1/4"	M42 x 2	40	50	30	<a href="#">167TA8077</a>
I-DLOS-M52X2-DN 31	1 1/4"	M52 x 2	45.5	60	38	<a href="#">151TA5666</a>
I-DKOS-M52X2-DN 38	1 1/2"	M52 x 2	45.5	60	38	<a href="#">167TA8078</a>



# HYDRAULIC CRIMP FITTINGS

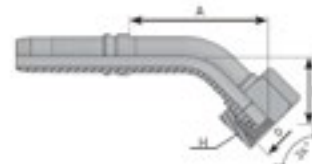
## INTERLOCK COUPLING 24° S - FEMALE - 90°

Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
I-DKOS-M30X2-90°-DN 16	5/8"	M30 x 2	-	-	-	20	<a href="#">167TA8079</a>
I-DKOS-M30X2-90°-DN 19	3/4"	M30 x 2	54	59	36	20	<a href="#">167TA8080</a>
I-DKOS-M36X2-90°-DN 19	3/4"	M36 x 2	54	59	46	25	<a href="#">151TA5676</a>
I-DKOS-M36X2-90°-DN 25	1"	M36 x 2	70.5	75	46	25	<a href="#">167TA8081</a>
I-DKOS-M42X2-90°-DN 25	1"	M42 x 2	70.5	75	50	30	<a href="#">151TA5678</a>
I-DKOS-M42X2-90°-DN 31	1 1/4"	M42 x 2	90.5	86	60	38	<a href="#">167TA8082</a>
I-DLOS-M52X2-90°-DN 31	1 1/4"	M52 x 2	90.5	86	60	38	<a href="#">151TA5680</a>
I-DKOS-M52X2-90°-DN 38	1 1/2"	M52 x 2	97.5	94	60	38	<a href="#">167TA8083</a>



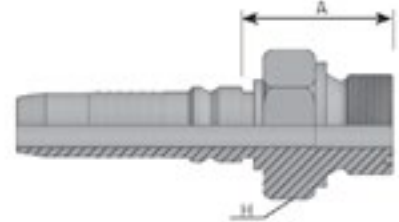
## INTERLOCK COUPLING 24° S - FEMALE - 45°

Description	Hoses	Thread	A mm	B mm	Hexagon	D mm	REF
I-DKOS-M30X2-45°-DN 16	5/8"	M30 x 2	-	-	-	20	<a href="#">167TA8084</a>
I-DKOS-M30X2-45°-DN 19	3/4"	M30 x 2	61.5	27	36	20	<a href="#">167TA8085</a>
I-DKOS-M36X2-45°-DN 19	3/4"	M36 x 2	67.5	28	46	25	<a href="#">151TA5669</a>
I-DKOS-M36X2-45°-DN 25	1"	M36 x 2	86	38	50	30	<a href="#">167TA8086</a>
I-DKOS-M42X2-45°-DN 25	1"	M42 x 2	86.5	38	50	30	<a href="#">151TA5671</a>
I-DKOS-M42X2-45°-DN 31	1 1/4"	M42 x 2	103	35	50	30	<a href="#">167TA8087</a>
I-DLOS-M52X2-45°-DN 31	1 1/4"	M52 x 2	103	35	60	38	<a href="#">151TA5673</a>
I-DKOS-M52X2-45°-DN 38	1 1/2"	M52 x 2	117.5	45	60	38	<a href="#">151TA5674</a>



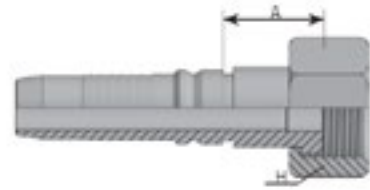
### INTERLOCK COUPLING ORFS - MALE

Description	Hoses	Thread	A mm	H mm	REF
I-ORFS-AG-1 7/16"-DN 19	3/4"	1 7/16"-12	35.7	41	<a href="#">167TA8088</a>
I-ORFS-AG-1 7/16"-DN 25	1"	1 7/16"-12	36.6	41	<a href="#">167TA8089</a>
I-ORFS-AG-1 1 1/16"-DN 25	1"	1 11/16"-12	36.6	46	<a href="#">167TA8090</a>
I-ORFS-AG-1 1 1/16"-DN 31	1 1/4"	1 11/16"-12	37.7	46	<a href="#">167TA8091</a>



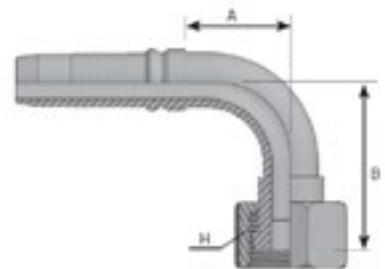
### INTERLOCK COUPLING ORFS - FEMALE

Description	Hoses	Thread	A mm	H mm	REF
I-ORFS-1 3/16"-DN 16	5/8"	1 3/16"-12	-	-	<a href="#">167TA8092</a>
I-ORFS-1 3/16"-DN 19	3/4"	1 3/16"-12	30.5	36	<a href="#">167TA8093</a>
I-ORFS-1 7/16"-DN 19	3/4"	1 7/16"-12	31.5	41	<a href="#">167TA8094</a>
I-ORFS-1 7/16"-DN 25	1"	1 7/16"-12	32.5	41	<a href="#">167TA8095</a>
I-ORFS-1 1 1/16"-DN 25	1"	1 11/16"-12	-	-	<a href="#">167TA8096</a>
I-ORFS-1 1 1/16"-DN 31	1 1/4"	1 11/16"-12	34	50	<a href="#">167TA8097</a>



### INTERLOCK COUPLING ORFS - FEMALE - 90°

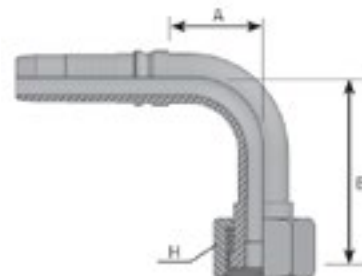
Description	Hoses	Thread	A mm	H mm	Hexagon	REF
I-ORFS-1 3/16"-90°-DN 16	5/8"	1 3/16"-12	-	-	-	<a href="#">167TA8098</a>
I-ORFS-1 3/16"-90°-DN 19	3/4"	1 3/16"-12	53.5	36	49	<a href="#">167TA8099</a>
I-ORFS-1 7/16"-90°-DN 19	3/4"	1 7/16"-12	54	41	54	<a href="#">167TA8100</a>
I-ORFS-1 7/16"-90°-DN 25	1"	1 7/16"-12	71.5	41	59.5	<a href="#">167TA8101</a>
I-ORFS-1 1 1/16"-90°-DN 25	1"	1 11/16"-12	-	-	-	<a href="#">167TA8102</a>
I-ORFS-1 1 1/16"-90°-DN 31	1 1/4"	1 11/16"-12	88.5	50	75.5	<a href="#">167TA8103</a>



# HYDRAULIC CRIMP FITTINGS

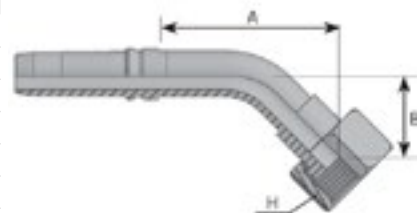
## INTERLOCK COUPLING ORFS - FEMALE - 90° LONG DROP

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-ORFS-1 3/16"-90°-DN 19L	3/4"	1 3/16"-12	50	36	96	<a href="#">167TA8104</a>
I-ORFS-1 7/16"-90°-DN 25L	1"	1 7/16"-12	62	41	113	<a href="#">167TA8105</a>
I-ORFS-1 1 1/16"-90°-DN 31L	1 1/4"	1 11/16"-12	87	50	130	<a href="#">167TA8106</a>



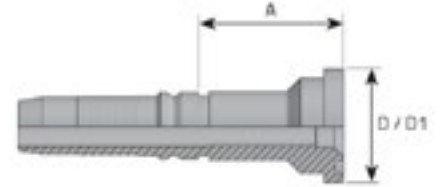
## INTERLOCK COUPLING ORFS - FEMALE - 45°

Description	Hoses	Thread	A mm	H mm	B mm	REF
I-ORFS-1 3/16"-45°-DN 16	5/8"	1 3/16"-12	-	-	-	<a href="#">167TA8107</a>
I-ORFS-1 3/16"-45°-DN 19	3/4"	1 3/16"-12	55.5	36	23	<a href="#">167TA8108</a>
I-ORFS-1 7/16"-45°-DN 19	3/4"	1 7/16"-12	60	41	27	<a href="#">167TA8109</a>
I-ORFS-1 7/16"-45°-DN 25	1"	1 7/16"-12	78.5	41	26	<a href="#">167TA8110</a>
I-ORFS-1 1 1/16"-45°-DN 25	1"	1 11/16"-12	-	-	-	<a href="#">167TA8111</a>
I-ORFS-1 1 1/16"-45°-DN 31	1 1/4"	1 11/16"-12	91.5	34	50	<a href="#">167TA8112</a>



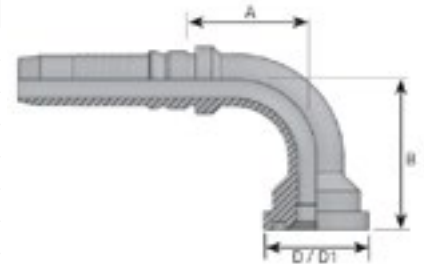
### INTERLOCK COUPLING SAE 3000 PSI

Description	Hoses	Hoses mm	D	D1 mm	A mm	REF
I-SFL-3-3/4"-DN 19	3/4"	19	3/4"	38.1	56.7	<a href="#">151TA5777</a>
I-SFL-3-1"-DN 19	3/4"	19	1"	44.5	48.7	<a href="#">151TA5778</a>
I-SFL-3-3/4"-DN 25	1"	25.4	3/4"	38.1	47.6	<a href="#">167TA8113</a>
I-SFL-3-1"-DN 25	1"	25.4	1"	44.5	47.6	<a href="#">151TA5779</a>
I-SFL-3-1 1/4"-DN 25	1"	25.4	1 1/4"	50.8	64.6	<a href="#">151TA5781</a>
I-SFL-3-1 1/4"-DN 31	1 1/4"	31.8	1 1/4"	50.8	68.7	<a href="#">151TA5782</a>
I-SFL-3-1 1/2"-DN 31	1 1/4"	31.8	1 1/2"	60.3	78.7	<a href="#">151TA5784</a>
I-SFL-3-1 1/2"-DN 38	1 1/2"	38.1	1 1/2"	60.3	68.5	<a href="#">151TA5785</a>
I-SFL-3-2"-DN 38	1 1/2"	38.1	2"	71.4	70.5	<a href="#">151TA5786</a>
I-SFL-3-2"-DN 51	2"	50.8	2"	71.4	70.5	<a href="#">151TA5787</a>



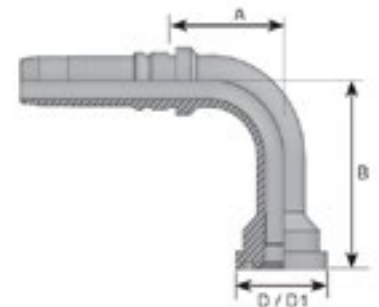
### INTERLOCK COUPLING SAE 3000 PSI - 90°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFL-3-3/4"-90°-DN 19	3/4"	19	3/4"	38.1	54.7	58	<a href="#">151TA5799</a>
I-SFL-3-1"-90°-DN 19	3/4"	19	1"	44.5	54.7	62	<a href="#">151TA5800</a>
I-SFL-3-3/4"-90°-DN 25	1"	25.4	3/4"	38.1	74.6	60	<a href="#">167TA8114</a>
I-SFL-3-1"-90°-DN 25	1"	25.4	1"	44.5	70.6	64	<a href="#">151TA5801</a>
I-SFL-3-1 1/4"-90°-DN 25	1"	25.4	1 1/4"	50.8	74.6	70	<a href="#">151TA5803</a>
I-SFL-3-1 1/4"-90°-DN 31	1 1/4"	31.8	1 1/4"	50.8	87.7	87	<a href="#">151TA5804</a>
I-SFL-3-1 1/2"-90°-DN 31	1 1/4"	31.8	1 1/2"	60.3	87.7	88	<a href="#">151TA5806</a>
I-SFL-3-1 1/2"-90°-DN 38	1 1/2"	38.1	1 1/2"	60.3	99.5	102	<a href="#">151TA5807</a>
I-SFL-3-2"-90°-DN 38	1 1/2"	38.1	2"	71.4	99.5	118	<a href="#">151TA5808</a>
I-SFL-3-2"-90°-DN 51	2"	50.8	2"	71.4	144	120	<a href="#">151TA5809</a>



### INTERLOCK COUPLING SAE 3000 PSI - 90° LONG DROP

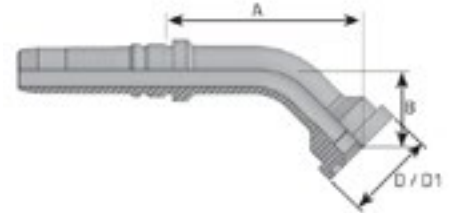
Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFL-3-3/4"-90°-DN 19L	3/4"	19	3/4"	38.1	54.7	97	<a href="#">167TA8115</a>
I-SFL-3-1"-90°-DN 19L	3/4"	19	1"	44.5	54.7	135	<a href="#">167TA8116</a>
I-SFL-3-1"-90°-DN 25L	1"	25.4	1"	44.5	70.6	115	<a href="#">167TA8117</a>
I-SFL-3-1 1/4"-90°-DN 31L	1 1/4"	31.8	1 1/4"	50.8	87.7	114	<a href="#">167TA8118</a>
I-SFL-3-1 1/2"-90°-DN 38L	1 1/2"	38.1	1 1/2"	60.3	99.5	131	<a href="#">167TA8119</a>



# HYDRAULIC CRIMP FITTINGS

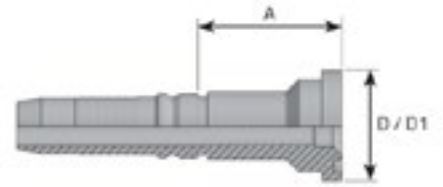
## INTERLOCK COUPLING SAE 3000 PSI - 45°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFL-3-3/4"-45°-DN 19	3/4"	19	3/4"	38.1	64.7	32	<a href="#">151TA5788</a>
I-SFL-3-1"-45°-DN 19	3/4"	19	1"	44.5	67.7	35	<a href="#">151TA5789</a>
I-SFL-3-3/4"-45°-DN 25	1"	25.4	3/4"	38.1	80.6	35	<a href="#">167TA8120</a>
I-SFL-3-1"-45°-DN 25	1"	25.4	1"	44.5	83.6	32	<a href="#">151TA5790</a>
I-SFL-3-1 1/4"-45°-DN 25	1"	25.4	1 1/4"	50.8	87.6	36	<a href="#">151TA5792</a>
I-SFL-3-1 1/4"-45°-DN 31	1 1/4"	31.8	1 1/4"	50.8	98.7	43	<a href="#">151TA5793</a>
I-SFL-3-1 1/2"-45°-DN 31	1 1/4"	31.8	1 1/2"	60.3	99.7	44	<a href="#">151TA5795</a>
I-SFL-3-1 1/2"-45°-DN 38	1 1/2"	38.1	1 1/2"	60.3	110.5	41	<a href="#">151TA5796</a>
I-SFL-3-2"-45°-DN 38	1 1/2"	38.1	2"	71.4	121.5	52	<a href="#">151TA5797</a>
I-SFL-3-2"-45°-DN 51	2"	50.8	2"	71.4	148	59	<a href="#">151TA5798</a>



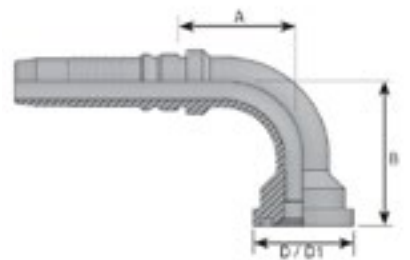
## INTERLOCK COUPLING SAE 6000 PSI

Description	Hoses	Hoses mm	D	D1 mm	A mm	REF
I-SFS-6-3/4"-DN 19	3/4"	19	3/4"	41.3	50	<a href="#">151TA5812</a>
I-SFS-6-1"-DN 19	3/4"	19	1"	47.6	61.7	<a href="#">151TA5814</a>
I-SFS-6-3/4"-DN 25	1"	25.4	3/4"	41.3	61.6	<a href="#">151TA5813</a>
I-SFS-6-1"-DN 25	1"	25.4	1"	47.6	63.6	<a href="#">151TA5815</a>
I-SFS-6-1 1/4"-DN 25	1"	25.4	1 1/4"	54	68.6	<a href="#">151TA5817</a>
I-SFS-6-1 1/4"-DN 31	1 1/4"	31.8	1 1/4"	54	68.7	<a href="#">151TA5818</a>
I-SFS-6-1 1/2"-DN 31	1 1/4"	31.8	1 1/2"	63.5	76.7	<a href="#">151TA5820</a>
I-SFS-6-1 1/2"-DN 38	1 1/2"	38.1	1 1/2"	63.5	76.5	<a href="#">151TA5821</a>
I-SFS-6-2"-DN 38	1 1/2"	38.1	2"	79.4	70.5	<a href="#">151TA5822</a>
I-SFS-6-2"-DN 51	2"	50.8	2"	79.4	73	<a href="#">151TA5823</a>



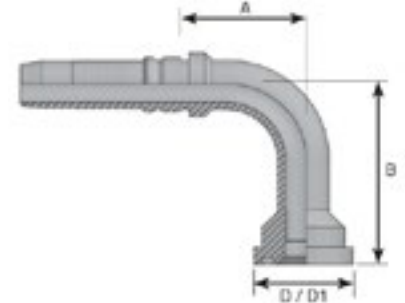
## INTERLOCK COUPLING 6000 PSI - 90°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-6-3/4"-90°-DN 19	3/4"	19	3/4"	41.3	54.7	62	<a href="#">151TA5865</a>
I-SFS-6-1"-90°-DN 19	3/4"	19	1"	47.6	54.7	67	<a href="#">151TA5867</a>
I-SFS-6-3/4"-90°-DN 25	1"	25.4	3/4"	41.3	74.6	64	<a href="#">151TA5866</a>
I-SFS-6-1"-90°-DN 25	1"	25.4	1"	47.6	70.6	69	<a href="#">151TA5868</a>
I-SFS-6-1 1/4"-90°-DN 25	1"	25.4	1 1/4"	54	74.6	76	<a href="#">151TA5870</a>
I-SFS-6-1 1/4"-90°-DN 31	1 1/4"	31.8	1 1/4"	54	87.7	93	<a href="#">151TA5871</a>
I-SFS-6-1 1/2"-90°-DN 31	1 1/4"	31.8	1 1/2"	63.5	87.7	97	<a href="#">151TA5873</a>
I-SFS-6-1 1/2"-90°-DN 38	1 1/2"	38.1	1 1/2"	63.5	99.5	111	<a href="#">151TA5874</a>
I-SFS-6-2"-90°-DN 38	1 1/2"	38.1	2"	79.4	110	128	<a href="#">151TA5875</a>
I-SFS-6-2"-90°-DN 51	2"	50.8	2"	79.4	144	128	<a href="#">167TA8121</a>



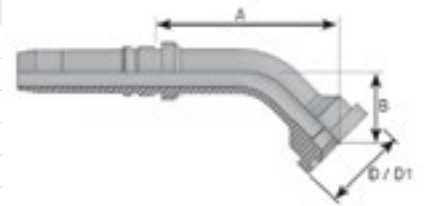
### INTERLOCK COUPLING 6000 PSI - 90° LONG DROP

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-6-3/4"-90°-DN 19L	3/4"	19	3/4"	41.3	54.7	100	<a href="#">167TA8122</a>
I-SFS-6-1"-90°-DN 19L	3/4"	19	1"	47.6	54.7	137	<a href="#">167TA8123</a>
I-SFS-6-1"-90°-DN 25L	1"	25.4	1"	47.6	70.6	120	<a href="#">151TA5856</a>
I-SFS-6-1 1/4"-90°-DN 31L	1 1/4"	31.8	1 1/4"	54	87.7	115	<a href="#">167TA8124</a>
I-SFS-6-1 1/2"-90°-DN 38L	1 1/2"	38.1	1 1/2"	63.5	95	135	<a href="#">167TA8125</a>



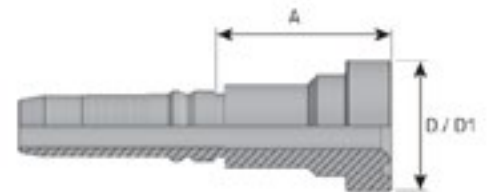
### INTERLOCK COUPLING 6000 PSI - 45°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-6-3/4"-45°-DN 19	3/4"	19	3/4"	41.3	67.7	32	<a href="#">151TA5824</a>
I-SFS-6-1"-45°-DN 19	3/4"	19	1"	47.6	71.7	35	<a href="#">151TA5826</a>
I-SFS-6-3/4"-45°-DN 25	1"	25.4	3/4"	41.3	83.6	35	<a href="#">151TA5825</a>
I-SFS-6-1"-45°-DN 25	1"	25.4	1"	47.6	86.6	32	<a href="#">151TA5827</a>
I-SFS-6-1 1/4"-45°-DN 25	1"	25.4	1 1/4"	54	91.6	36	<a href="#">151TA5829</a>
I-SFS-6-1 1/4"-45°-DN 31	1 1/4"	31.8	1 1/4"	54	102.7	44	<a href="#">151TA5830</a>
I-SFS-6-1 1/2"-45°-DN 31	1 1/4"	31.8	1 1/2"	63.5	105.7	41	<a href="#">151TA5832</a>
I-SFS-6-1 1/2"-45°-DN 38	1 1/2"	38.1	1 1/2"	63.5	116.5	41	<a href="#">151TA5833</a>
I-SFS-6-2"-45°-DN 38	1 1/2"	38.1	2"	79.4	145	52	<a href="#">151TA5834</a>
I-SFS-6-2"-45°-DN 51	2"	50.8	2"	79.4	153	59	<a href="#">151TA5835</a>



### INTERLOCK COUPLING 9000 PSI <<CAT>>

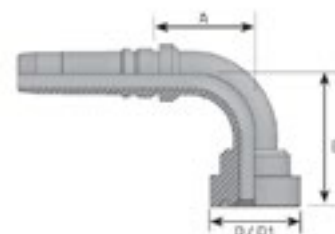
Description	Hoses	Hoses mm	D	D1 mm	A mm	REF
I-SFS-CAT-9-3/4"-DN 19	3/4"	19	3/4"	41.3	55.7	<a href="#">151TA5877</a>
I-SFS-CAT-9-1"-DN 19	3/4"	19	1"	47.6	67.7	<a href="#">151TA5878</a>
I-SFS-CAT-9-1"-DN 25	1"	25.4	1"	47.6	69.6	<a href="#">151TA5879</a>
I-SFS-CAT-9-1 1/4"-DN 25	1"	25.4	1 1/4"	54	72.6	<a href="#">151TA5880</a>
I-SFS-CAT-9-1 1/4"-DN 31	1 1/4"	31.8	1 1/4"	54	69.7	<a href="#">151TA5881</a>
I-SFS-CAT-9-1 1/2"-DN 31	1 1/4"	31.8	1 1/2"	63.5	78.7	<a href="#">151TA5882</a>
I-SFS-CAT-9-1 1/2"-DN 38	1 1/2"	38.1	1 1/2"	63.5	78.5	<a href="#">167TA8126</a>



# HYDRAULIC CRIMP FITTINGS

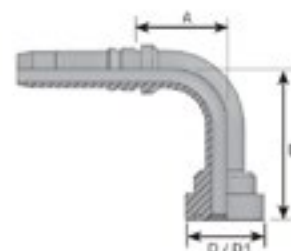
## INTERLOCK COUPLING 9000 PSI <<CAT>> - 90°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-CAT-9-3/4"-90°-DN 19	3/4"	19	3/4"	41.3	54.7	67	<a href="#">151TA5889</a>
I-SFS-CAT-9-1"-90°-DN 19	3/4"	19	1"	47.6	54.7	73	<a href="#">151TA5890</a>
I-SFS-CAT-9-1"-90°-DN 25	1"	25.4	1"	47.6	70.6	75	<a href="#">151TA5891</a>
I-SFS-CAT-9-1 1/4"-90°-DN 25	1"	25.4	1 1/4"	54	74.6	80	<a href="#">151TA5892</a>
I-SFS-CAT-9-1 1/4"-90°-DN 31	1 1/4"	31.8	1 1/4"	54	87.7	97	<a href="#">151TA5893</a>
I-SFS-CAT-9-1 1/2"-90°-DN 31	1 1/4"	31.8	1 1/2"	63.5	87.7	99	<a href="#">151TA5894</a>
I-SFS-CAT-9-1 1/2"-90°-DN 38	1 1/2"	38.1	1 1/2"	63.5	99.5	113	<a href="#">167TA8127</a>



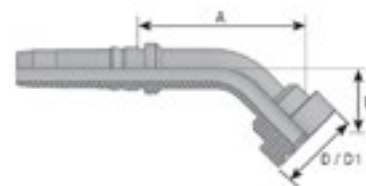
## INTERLOCK COUPLING 9000 PSI <<CAT>> - 90° LONG DROP

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-CAT-9-3/4"-90°-DN 19L	3/4"	19	3/4"	41.3	54.7	105.4	<a href="#">167TA8128</a>
I-SFS-CAT-9-1"-90°-DN 19L	3/4"	19	1"	47.6	54.7	144.8	<a href="#">167TA8129</a>
I-SFS-CAT-9-1"-90°-DN 25L	1"	25.4	1"	47.6	70.6	124.8	<a href="#">167TA8130</a>
I-SFS-CAT-9-1 1/4"-90°-DN 31L	1 1/4"	31.8	1 1/4"	54	87.7	124	<a href="#">167TA8131</a>
I-SFS-CAT-9-1 1/2"-90°-DN 38L	1 1/2"	38.1	1 1/2"	63.5	99.5	141.7	<a href="#">167TA8132</a>



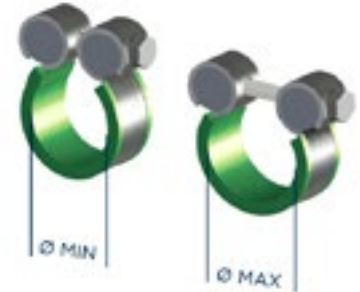
## INTERLOCK COUPLING 9000 PSI <<CAT>> - 45°

Description	Hoses	Hoses mm	D	D1 mm	A mm	B mm	REF
I-SFS-CAT-9-3/4"-45°-DN 19	3/4"	19	3/4"	41.3	71.7	39	<a href="#">151TA5883</a>
I-SFS-CAT-9-1"-45°-DN 19	3/4"	19	1"	47.6	75.7	43	<a href="#">151TA5884</a>
I-SFS-CAT-9-1"-45°-DN 25	1"	25.4	1"	47.6	91.6	40	<a href="#">151TA5885</a>
I-SFS-CAT-9-1 1/4"-45°-DN 25	1"	25.4	1 1/4"	54	94.6	43	<a href="#">151TA5886</a>
I-SFS-CAT-9-1 1/4"-45°-DN 31	1 1/4"	31.8	1 1/4"	54	105.7	50	<a href="#">151TA5887</a>
I-SFS-CAT-9-1 1/2"-45°-DN 31	1 1/4"	31.8	1 1/2"	63.5	106.7	51	<a href="#">151TA5888</a>
I-SFS-CAT-9-1 1/2"-45°-DN 38	1 1/2"	38.1	1 1/2"	63.5	118.5	49	<a href="#">167TA8133</a>



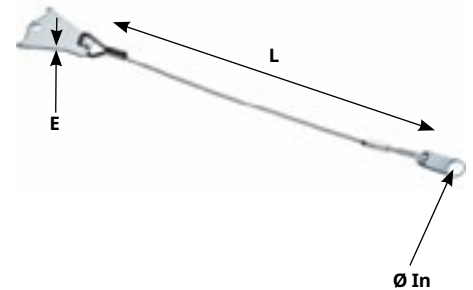
## FIXATION CLAMPS

Ø Min mm	Ø Max mm	REF	Ø Min mm	Ø Max mm	REF
11.0	11.5	<a href="#">168TA6752</a>	36.0	37.0	<a href="#">168TA6770</a>
12.0	12.5	<a href="#">168TA6753</a>	38.0	39.0	<a href="#">168TA6771</a>
13.0	13.5	<a href="#">168TA6754</a>	39.0	40.0	<a href="#">168TA6772</a>
14.0	15.0	<a href="#">168TA6755</a>	40.0	41.0	<a href="#">168TA6773</a>
16.0	17.0	<a href="#">168TA6756</a>	42.0	43.0	<a href="#">168TA6774</a>
17.0	18.0	<a href="#">168TA6757</a>	43.0	44.0	<a href="#">168TA6775</a>
18.0	19.0	<a href="#">168TA6758</a>	44.0	45.0	<a href="#">168TA6776</a>
20.0	21.0	<a href="#">168TA6759</a>	45.0	47.0	<a href="#">168TA6777</a>
21.0	22.0	<a href="#">168TA6760</a>	48.0	50.0	<a href="#">168TA6778</a>
22.0	23.0	<a href="#">168TA6761</a>	51.0	53.0	<a href="#">168TA6779</a>
24.0	25.0	<a href="#">168TA6762</a>	53.0	54.0	<a href="#">168TA6780</a>
25.0	26.0	<a href="#">168TA6763</a>	54.0	56.0	<a href="#">168TA6781</a>
26.0	27.0	<a href="#">168TA6764</a>	57.0	59.0	<a href="#">168TA6782</a>
27.0	28.0	<a href="#">168TA6765</a>	60.0	62.0	<a href="#">168TA6783</a>
28.0	29.0	<a href="#">168TA6766</a>	63.0	65.0	<a href="#">168TA6784</a>
30.0	31.0	<a href="#">168TA6767</a>	66.0	68.0	<a href="#">168TA6785</a>
32.0	33.0	<a href="#">168TA6768</a>	69.0	71.0	<a href="#">168TA6786</a>
34.0	35.0	<a href="#">168TA6769</a>	72.0	74.0	<a href="#">168TA6787</a>



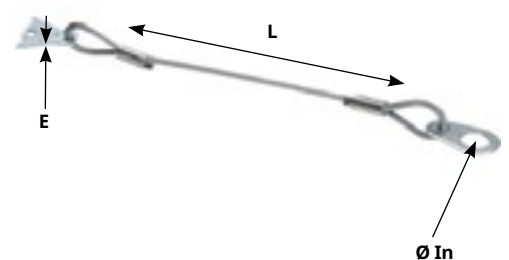
## RETAINING SYSTEM TO DIN 2353

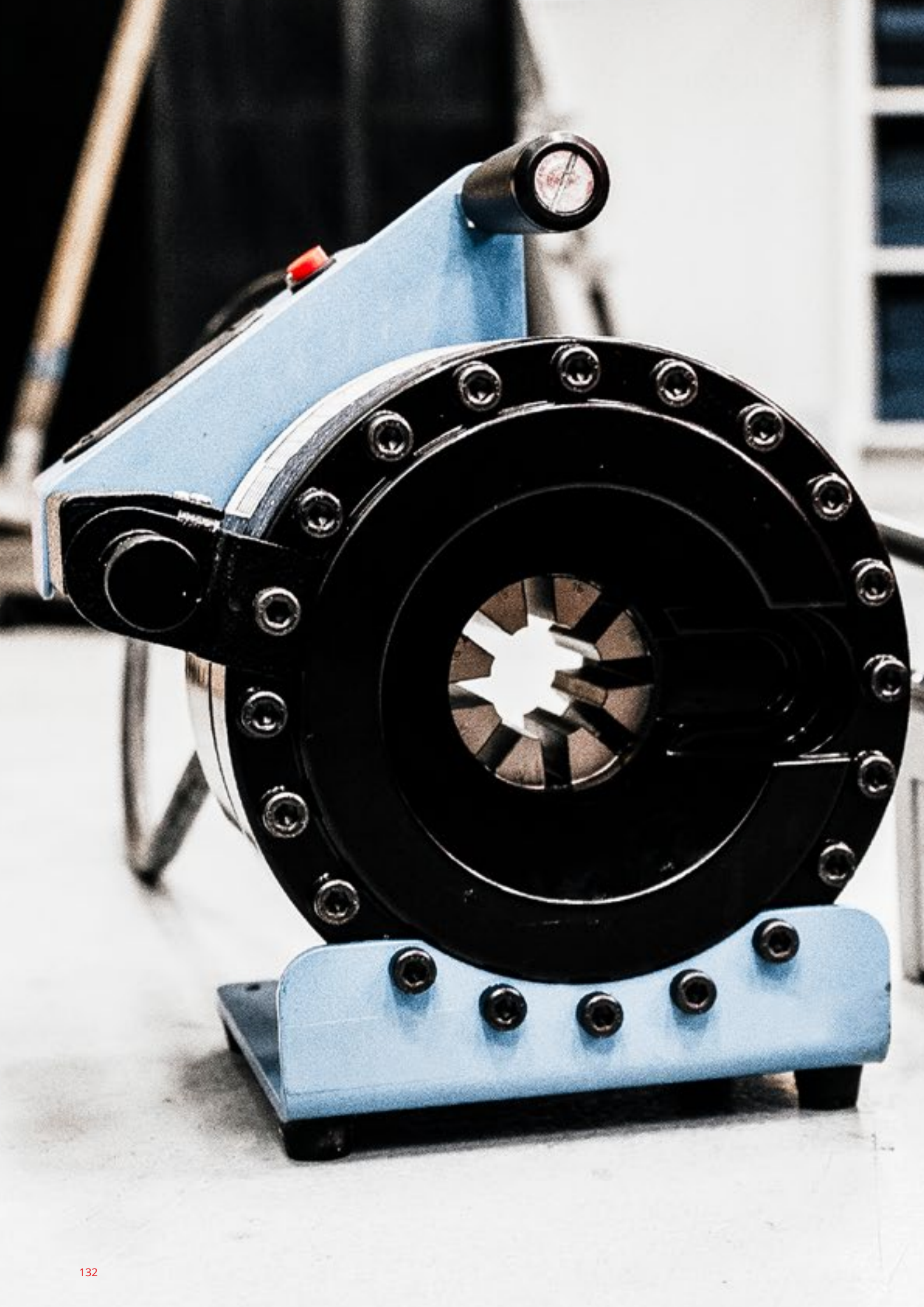
Ø In mm	Details	Max. pressure bar	Max. pressure psi	E mm	L mm	REF
14.5	8L - 1/4"	450	6525	2	300	<a href="#">168TA6788</a>
17	8S - 10L - 3/8"	445	6453	2	300	<a href="#">168TA6789</a>
18.5	10S - 12L	420	6090	2	300	<a href="#">168TA6790</a>
20.5	12S	420	6090	2	300	<a href="#">168TA6791</a>
22.5	14S - 15L - 1/2"	420	6090	2	300	<a href="#">168TA6792</a>
24.5	16S - 5/8"	420	6090	2	300	<a href="#">168TA6793</a>
26.5	18L - 3/4"	420	6090	2	300	<a href="#">168TA6794</a>
30.5	20S - 22L	420	6090	2.5	300	<a href="#">168TA6795</a>
34	1"	420	6090	2.5	450	<a href="#">168TA6796</a>
36.5	25S - 28L	420	6090	2.5	450	<a href="#">168TA6797</a>
42.5	30S - 1 1/4"	420	6090	2.5	450	<a href="#">168TA6798</a>
45.5	35L	420	6090	2.5	450	<a href="#">168TA6799</a>
49	1 1/2"	420	6090	2.5	450	<a href="#">168TA6800</a>
52.5	38S - 42L	385	5583	2.5	450	<a href="#">168TA6801</a>
60	2"	350	5075	2.5	450	<a href="#">168TA6802</a>



## RETAINING SYSTEM FOR FLANGES

Ø In mm	Details	Max. pressure bar	Max. pressure psi	E mm	L mm	REF
8.5	1/2" 3000 - 6000	415	6018	4	300	<a href="#">168TA6808</a>
10.5	3/4" - 1" - 1 1/4" 3000 - 3/4" 6000	420	6090	4	450	<a href="#">168TA6803</a>
12.5	1 1/2" - 2" 3000 - 1" 6000	420	6090	4	450	<a href="#">168TA6804</a>
14.5	1 1/4" - 6000	420	6090	4	450	<a href="#">168TA6805</a>
16.5	1 1/2" - 6000	420	6090	4	450	<a href="#">168TA6806</a>
20.5	2" - 6000	350	5075	4	450	<a href="#">168TA6807</a>







# 04. **TOOLS**

## CRIMPING TOOLS



### HAND CRIMPING MACHINE

**Description:**

- Compact crimper with handpump

**Contains:**

- Crimper
- Hand pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Table base
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 400 mm
- Width: 350 mm
- Height: 320 mm
- Weight: 43 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6477](#)



### CRIMPING MACHINE

**Description:**

- Compact crimper with pneumatic pump

**Contains:**

- Crimper
- Air pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Table base
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 400 mm
- Width: 350 mm
- Height: 320 mm
- Weight: 43 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [167TA8505](#)

## CRIMPING TOOLS



### PORTABLE CRIMPING MACHINE

**Description:**

- Portable crimping machine with handpump

**Contains:**

- Crimper
- Handpump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 220 mm
- Width: 250 mm
- Height: 310 mm
- Weight: 26 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6474](#)



### PORTABLE PNEUMATIC CRIMPING MACHINE

**Description:**

- Portable crimper with pneumatic pump

**Contains:**

- Crimper
- Pneumatic pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 220 mm
- Width: 250 mm
- Height: 310 mm
- Weight: 26 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6475](#)

## CRIMPING TOOLS



### PORTABLE CRIMPING MACHINE WITH HAND AND AIR PUMP

**Description:**

- Portable crimper with hand pump and air pump

**Contains:**

- Crimper
- Hand pump
- Air pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Bolts die sets
- Grease

**Technical data:**

- Min. hose size: 1/4" (DN6)
- Max. hose size: 1" (DN25)
- Setup by micrometer
- Optical signal when the press size is reached
- Easy to switch from hand pump to air pump
- Crimping force: 1200 kN
- Extra die sets on demand

REF [166TA6476](#)

**Spare parts for 16 series:**

- Die set 7 mm: REF [168TA2552](#)
- Die set 10 mm: REF [168TA2667](#)
- Die set 12 mm: REF [168TA2553](#)
- Die set 14 mm: REF [168TA2554](#)
- Die set 16 mm: REF [168TA2555](#)
- Die set 19 mm: REF [168TA2556](#)
- Die set 23 mm: REF [168TA2557](#)
- Die set 27 mm: REF [168TA2558](#)
- Die set 31 mm: REF [168TA2559](#)
- Die set 37 mm: REF [168TA2560](#)
- Hand pump: REF [168TA2561](#)
- Air pump: REF [168TA2562](#)
- Bolts: REF [168TA2563](#)
- Grease: REF [106TA6743](#)
- Seal kit: REF [168TA2565](#)
- Micrometer: REF [168TA2566](#)

### ELECTRIC CRIMPING MACHINE

**Description:**

- Crimper, workbench model
- Powered by a 3-phase motor at 380 V (220 VAC on request)

**Contains:**

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45
- Dies quick change tool
- Footpedal
- Grease

**Technical data:**

- Max. hose size: 1 1/4"
- Die type: 32
- Voltage: 380 V
- Crimping force: 1700 kN
- Motor: 3.6 kW
- Length: 610 mm
- Width: 600 mm
- Height: 600 mm
- Weight: 190 kg
- Oil capacity: 40 l - Comes without oil

**Option:**

- Hydraulic oil 20 l: REF [141TA3217](#)
- Dies quick change tool: REF [168TA1891](#)
- Rack for machine: REF [168TA2590](#)

REF [166TA6478](#)



## CRIMPING TOOLS



### ELECTRIC CRIMPING MACHINE

#### Description:

- For small to medium workshop productions
- Powered by a 3-phase motor at 380 V (220 VAC on request)

#### Contains:

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45
- Dies quick change tool
- Stand with dies holder
- Footpedal
- Grease

#### Technical data:

- Max. hose size: 1 1/4"
- Die type: 32
- Voltage: 380 V
- Crimping force: 1700 kN
- Motor: 3.6 kW
- Length: 680 mm
- Width: 600 mm
- Height: 1350 mm
- Weight: 226 kg
- Oil capacity: 40 l - Comes without oil

#### Option:

- Hydraulic oil 20 l: REF [141TA3217](#)

REF [139TA3146](#)



### ELECTRIC CRIMPING MACHINE

#### Description:

- For medium workshop productions
- Powered by a 3-phase motor at 380 V (220 VAC on request)

#### Contains:

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45 - 51 - 63 - 69
- Dies quick change tool
- Stand with dies holder
- Footpedal
- Grease

#### Technical data:

- Max. hose size: 2"
- Die type: 32
- Voltage: 380 V
- Crimping force: 2200 kN
- Motor: 3.6 kW
- Length: 680 mm
- Width: 600 mm
- Height: 1400 mm
- Weight: 263 kg
- Oil capacity: 40 litre - Comes without oil

#### Option:

- Hydraulic oil 20 l: REF [141TA3217](#)

REF [138TA4552](#)

#### Spare parts for YL20 - YL20S - YL32 series:

- Die set 6 mm: REF [168TA2567](#)
- Die set 7 mm: REF [168TA2568](#)
- Die set 10 mm: REF [168TA2569](#)
- Die set 12 mm: REF [168TA2570](#)
- Die set 14 mm: REF [168TA2571](#)
- Die set 16 mm: REF [168TA2572](#)
- Die set 19 mm: REF [168TA2573](#)

- Die set 22 mm: REF [168TA2574](#)
- Die set 26 mm: REF [168TA2575](#)
- Die set 30 mm: REF [168TA2576](#)
- Die set 34 mm: REF [168TA2577](#)
- Die set 39 mm: REF [168TA2578](#)
- Die set 45 mm: REF [168TA2579](#)
- Die set 51 mm: REF [168TA2580](#)
- Die set 57 mm: REF [168TA2581](#)

#### Spare parts for YL32 series:

- Die set 63 mm: REF [168TA2582](#)
- Die set 69 mm: REF [168TA2583](#)
- Die set 74 mm: REF [168TA2584](#)
- Die set 78 mm: REF [168TA2585](#)

- Bolts: REF [168TA2586](#)
- Master die pin (set 8 with 8 pieces): REF [168TA2587](#)
- Grease: REF [106TA6743](#)
- Foot pedal: REF [168TA2588](#)
- Seal kit: REF [168TA2589](#)
- Hydraulic oil: REF [141TA3217](#) (machine needs 40l)

## CUTTING TOOL



### CUTTING MACHINE FOR HYDRAULIC HOSE

**Description:**

- Cutting machine for cutting hydraulic hoses upto 2"
- Powered by a 3-phase motor at 380 V

**Technical data:**

- Max. hose size: 2" - 4SH
- Blade dimensions: 350 x 2.5 x 32 mm
- Motor: 4 kW
- Voltage: 380 V
- Rotation speed: 2800 rpm for 50 Hz
- Length: 720 mm
- Width: 480 mm
- Height: 530 mm
- Weight: 55 kg
- Spare part: saw blade

REF [168TA1888](#)REF [166TA6479](#)

## SKIVING TOOLS



### HOSE SKIVING MACHINE

**Description:**

- Electric hose skiving machine

**Technical data:**

- Max. hose size: 2" - 4SP - 4SH
- External skiving: 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2"
- Motor: 0.4 kW
- Voltage: 380 V
- Rotation speed: 284 rpm
- Length: 500 mm
- Width: 660 mm
- Height: 650 mm
- Weight: 110 kg

**Option:**

- Internal skiving: 3/4", 1", 1 1/4", 1 1/2", 2" REF [168TA1892](#)

\* Request this option to your customer service

REF [166TA6481](#)

## SKIVING TOOLS



### HOSE SKIVING MACHINE

**Description:**

- Manual internal and external skiving machine with stand

**Technical data:**

- External skiving: 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2"
- Internal skiving: 3/4", 1", 1 1/4", 1 1/2", 2"
- Length: 450 mm
- Width : 245 mm
- Height : 260 mm
- Weight: 12 kg

REF [166TA6480](#)

## RACK



### RACK TO STOCK HOSES

**Technical data:**

- Height: 2110 mm
- Width: 1180 mm
- Weight: 98 kg
- Recommended load per tray: 70 kg
- Maximum load per tray: 100 kg
- Recommended total load: 600 kg

REF [166TA6482](#)

## MEASURING TOOLS



### THREAD GAUGE

**Technical data:**

- Screw pitch gauge for ISO 60° metric and whitworth 55° threads

REF [142TA3012](#)



### VERNIER CALIPER

**Technical data:**

- Max. measuring length: 150 mm
- Reading to 0.05 mm

REF [166TA6483](#)

## VACUUM PUMPS



### PNEUMATIC 'ASPI-QUICK' VACUUM PUMP

#### Technical data:

- Supplied with Hydroclips case type M
- Suitable for 5 to 8 bar air inlet
- Vacuum pressure: -650 mbar (relative) -850 mbar (max.)
- Airflow: 28 lpm
- Vacuum pressure gauge: -1 to 0 bar
- Dimensions (l x w x h): 140 x 70 x 65 mm
- Supplied with Ø 80 mm magnetic cap
- Weight: 3.78 kg

REF [167TA9226](#)



### VACUUM PUMP FOR REPAIRING OR MAINTENANCE OF HYDRAULIC CIRCUIT

#### Description:

- Hydraulic intervention without the need to drain the oil in the reservoir
- No leaks while operating
- The oil is retained in the reservoir through drop of pressure
- Easy changeover of the magnet cap and the other plugs using clamp inserts
- Control of the Vacuum using a pressure gauge and a vent valve

#### Technical details:

- Voltage 12 VDC Power 75 W
- Max. relative vacuum: 770 mbar
- Air flow: 34 l/min
- Length of the supply cable with crocodile clips: 8 m
- Coil hose: 4 m
- Display of the vacuum value with a pressure gauge scaled from -1 to 0 bar
- Carrying case with cable compartment
- Dimension of the case: 508 x 203 x 230 mm
- Weight: 9 kg
- With magnet cap Ø 80 mm and cylindrical stubs

REF [167TA9227](#)

## VACUUM PUMPS



### CONE FOR VACUUM PUMP DIAMETER 10 TO 75 MM

**Description:**

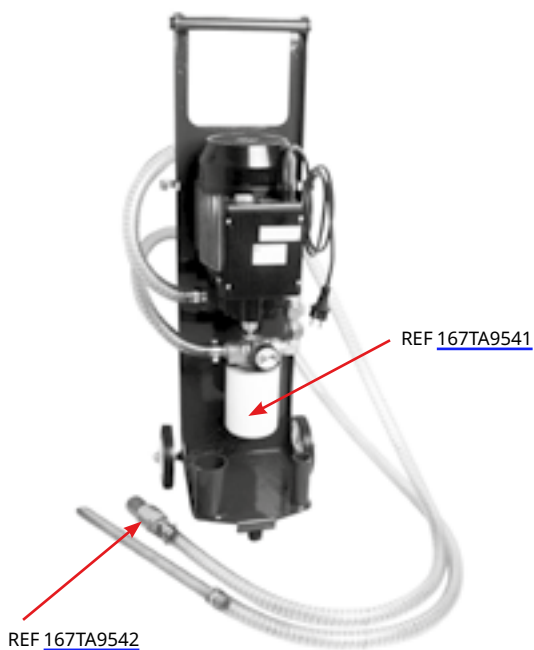
- Easily adapts to any type of tank opening from 10 to 75 mm diameter

**Technical details:**

- Total height 87 mm
- Elastomer material
- 2 x swivel elbow connectors: diameter 6 mm & 8 mm

REF [167TA9229](#)

## FILTER PUMPS



### FILTER PUMP

**Technical details:**

- Load of 30 liters per minute
- Maximum pressure: 3 bar
- Protection: IP55
- single phase engine (0.75 Kx till 1450 T/min)
- Dimensions: h=855 mm, l=320 mm, Ep=300 mm
- Weight: 25 kg

Delivered with filter cartouche (REF [167TA9541](#) / REF [167TA9542](#))

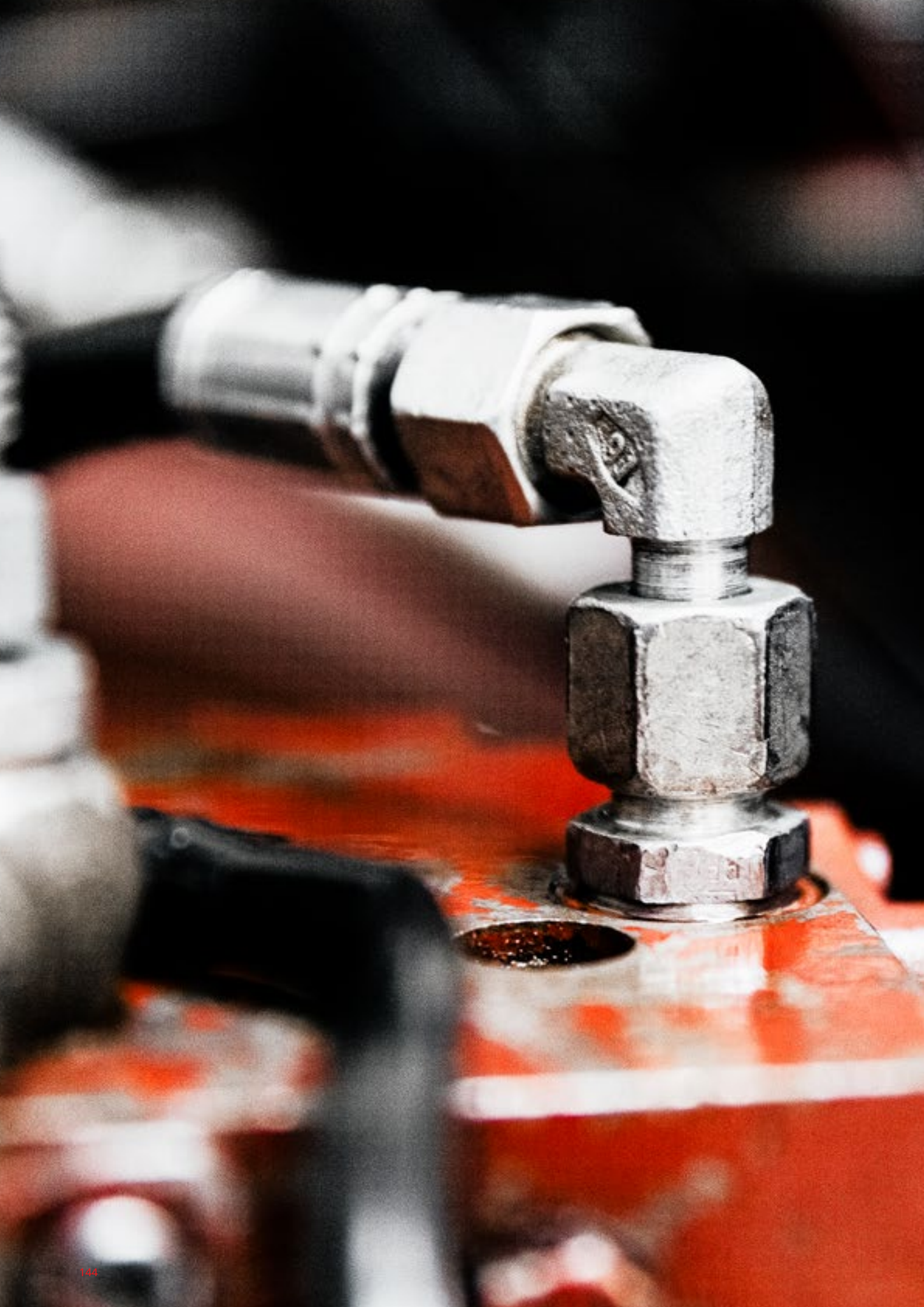
REF [167TA9540](#)



**NOTES**

Lined writing area consisting of approximately 35 horizontal dotted lines.





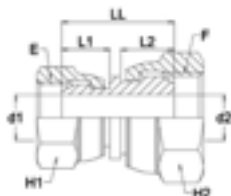


**05.**  
**ADAPTORS**

# ADAPTORS TYPE BSP

## ADAPTOR - FEMALE SWIVEL BSP / FEMALE SWIVEL BSP

Description	E	F	L1	L2	LL	d1	d2	H1	H2	REF
	BSP	BSP	mm	mm	mm	mm	mm	mm	mm	
FS1/8BSP- FS1/8BSP	1/8-28	1/8-28	10.2	10.2	22.5	3.5	3.5	14	14	<a href="#">151TA7809</a>
FS1/4BSP- FS1/4BSP	1/4-19	1/4-19	11.3	11.3	24.5	4.7	4.7	19	19	<a href="#">151TA7810</a>
FS1/4BSP- FS3/8BSP	1/4-19	3/8-19	11.3	12.5	26	4.7	7.9	19	22	<a href="#">151TA7811</a>
FS1/4BSP- FS1/2BSP	1/4-19	1/2-14	11.3	15	29.5	4.5	9.7	19	27	<a href="#">151TA7812</a>
FS1/4BSP- FS5/8BSP	1/4-19	5/8-14	11.3	14.3	30.5	4.5	14.3	19	30	<a href="#">151TA7813</a>
FS1/4BSP- FS3/4BSP	1/4-19	3/4-14	11.3	17.8	32	4.5	15.5	19	32	<a href="#">151TA7814</a>
FS3/8BSP- FS3/8BSP	3/8-19	3/8-19	12.5	12.5	27	7.9	7.9	22	22	<a href="#">167TA5042</a>
FS3/8BSP- FS1/2BSP	3/8-19	1/2-14	12.5	15	30.5	7.9	11.1	22	27	<a href="#">151TA7816</a>
FS3/8BSP- FS5/8BSP	3/8-19	5/8-14	12.5	14.3	30	7.1	12	22	30	<a href="#">151TA7817</a>
FS3/8BSP- FS3/4BSP	3/8-19	3/4-14	12.5	17.8	33.5	7.1	15.5	22	32	<a href="#">151TA7818</a>
FS1/2BSP- FS1/2BSP	1/2-14	1/2-14	15	15	33	11.1	11.1	27	27	<a href="#">151TA7819</a>
FS1/2BSP- FS5/8BSP	1/2-14	5/8-14	15	14.3	32.5	9.7	12	27	30	<a href="#">151TA7820</a>
FS1/2BSP- FS3/4BSP	1/2-14	3/4-14	15	17.8	36	11.1	16.7	27	32	<a href="#">151TA7821</a>
FS5/8BSP- FS5/8BSP	5/8-14	5/8-14	14.3	14.3	31.5	14.3	14.3	30	30	<a href="#">151TA7822</a>
FS5/8BSP- FS3/4BSP	5/8-14	3/4-14	14.3	17.8	35	12	15.5	30	32	<a href="#">151TA7823</a>
FS5/8BSP- FS1 BSP	5/8-14	1-11	14.3	17.8	36	14.3	22.2	30	41	<a href="#">151TA7824</a>
FS3/4BSP- FS3/4BSP	3/4-14	3/4-14	17.8	17.8	38.5	16.7	16.7	32	32	<a href="#">151TA7825</a>
FS3/4BSP- FS1 BSP	3/4-14	1-11	17.8	19.5	41.5	16.7	22.2	32	41	<a href="#">151TA7826</a>
FS1 BSP- FS1 BSP	1-11	1-11	19.5	19.5	43	22.2	22.2	41	41	<a href="#">151TA7827</a>
FS1 BSP- FS1 1/4BSP	1-11	1 1/4-11	19.5	21.4	45	20.4	26	41	50	<a href="#">151TA7828</a>
FS1 1/4BSP- FS1 1/4BSP	1 1/4-11	1 1/4-11	21.4	21.4	47	28.6	28.6	50	50	<a href="#">151TA7829</a>



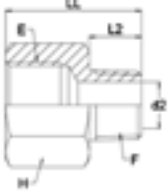
## ADAPTOR - FEMALE BSP FIX / FEMALE BSP

Description	E	F	LL	H	REF
	BSP	BSP	mm	mm	
F1/8BSP- F1/8BSP	1/8-28	1/8-28	20	14	<a href="#">151TA7848</a>
F1/8BSP- F1/4BSP	1/4-19	1/8-28	24	19	<a href="#">151TA7849</a>
F1/4BSP- F1/4BSP	1/4-19	1/4-19	25	19	<a href="#">124TA4298</a>
F1/4BSP- F3/8BSP	3/8-19	1/4-19	27	22	<a href="#">151TA7851</a>
F1/4BSP- F1/2BSP	1/2-14	1/4-19	33	27	<a href="#">151TA7852</a>
F3/8BSP- F3/8BSP	3/8-19	3/8-19	27	22	<a href="#">124TA4299</a>
F3/8BSP- F1/2BSP	1/2-14	3/8-19	32	27	<a href="#">151TA7854</a>
F1/2BSP- F1/2BSP	1/2-14	1/2-14	35	27	<a href="#">151TA7855</a>
F1/2BSP- F5/8BSP	3/4-14	5/8-14	36	32	<a href="#">151TA7856</a>
F1/2BSP- F3/4BSP	3/4-14	1/2-14	36	32	<a href="#">151TA7857</a>
F5/8BSP- F5/8BSP	5/8-14	5/8-14	38	32	<a href="#">151TA7858</a>
F3/4BSP- F3/4BSP	3/4-14	3/4-14	40	32	<a href="#">151TA7859</a>
F3/4BSP- F1 BSP	1-11	3/4-14	45	41	<a href="#">151TA7860</a>
F1 BSP- F1 BSP	1-11	1-11	45	41	<a href="#">151TA7862</a>
F1 1/4BSP- F1 1/4BSP	1 1/4-11	1 1/4-11	50	50	<a href="#">151TA7863</a>
F1 1/2BSP- F1 1/2BSP	1 1/2-11	1 1/2-11	55	55	<a href="#">151TA7861</a>



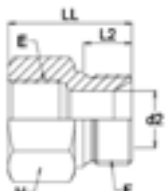
### ADAPTOR - FEMALE BSP / MALE BSPT

Description	E	F	L2	LL	d2	H	REF
	BSP	BSPT	mm	mm	mm	mm	
F1/8BSP-M1/8BSPT	1/8-28	1/8-28	10	58.6	4.5	14	<a href="#">167TA8134</a>
F1/8BSP-M1/4BSPT	1/4-19	1/8-28	10	30.5	4.5	19	<a href="#">151TA7873</a>
F1/4BSP-M1/4BSPT	1/8-28	1/8-28	10	31.8	4.5	14	<a href="#">167TA8135</a>
F1/4BSP-M3/8BSPT	3/8-19	1/4-19	14	34.5	7	22	<a href="#">151TA7874</a>
F3/8BSP-M3/8BSPT	3/8-19	3/8-19	15	34.5	10	22	<a href="#">167TA8136</a>
F3/8BSP-M1/2BSPT	1/2-14	3/8-19	15	40	10	27	<a href="#">151TA7875</a>
F1/2BSP-M1/2BSPT	1/2-14	1/2-14	19	43	13	27	<a href="#">167TA8137</a>



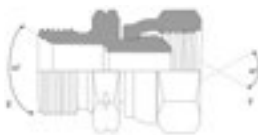
### ADAPTOR - FEMALE BSP FIX / MALE METRIC

Description	E	F	L2	LL	d2	H	REF
	BSP	Metric	mm	mm	mm	mm	
F1/8BSP-MM22x1.5	1/8-28	M22X1.5	14	26	4	19	<a href="#">167TA8138</a>
F1/4BSP-MM12x1.5	1/4-19	M12X1.5	10	30	4	19	<a href="#">167TA8139</a>
F1/4BSP-MM14x1.5	1/4-19	M14X1.5	12	31	6	19	<a href="#">167TA8140</a>
F1/4BSP-MM16x1.5	1/4-19	M16X1.5	12	31	8	22	<a href="#">167TA8141</a>
F1/4BSP-MM18x1.5	1/4-19	M18X1.5	12	31	10	24	<a href="#">167TA8142</a>
F1/4BSP-MM21x1.5	1/4-19	M21X1.5	14	31	14.1	27	<a href="#">151TA7880</a>
F1/4BSP-MM22x1.5	1/4-19	M22X1.5	14	26	14.1	27	<a href="#">151TA7881</a>
F3/8BSP-MM12x1.5	3/8-19	M12X1.5	10	31	4	22	<a href="#">167TA8143</a>
F3/8BSP-MM16x1.5	3/8-19	M16X1.5	12	32.5	8	22	<a href="#">167TA8144</a>
F3/8BSP-MM18x1.5	3/8-19	M18X1.5	12	32	10	24	<a href="#">167TA8145</a>
F3/8BSP-MM21x1.5	3/8-19	M21X1.5	14	32.5	10	24	<a href="#">151TA7882</a>
F3/8BSP-MM22x1.5	3/8-19	M22X1.5	14	35	14.1	27	<a href="#">151TA7883</a>
F1/2BSP-MM16x1.5	1/2-14	M16X1.5	12	38	8	27	<a href="#">167TA8146</a>
F1/2BSP-MM18x1.5	1/2-14	M18X1.5	12	38	10	27	<a href="#">167TA8147</a>
F1/2BSP-MM22x1.5	1/2-14	M22X1.5	14	38	14.1	27	<a href="#">151TA7884</a>
F1/2BSP-MM26x1.5	1/2-14	M26X1.5	16	38.5	15	32	<a href="#">167TA8148</a>



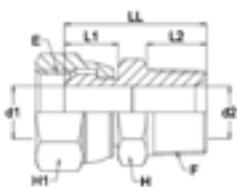
### ADAPTOR - MALE METRIC / FEMALE SWIVEL BSP

Description	E	F	REF
	Metric	BSP	
MM16x1.5-FS3/8BSP	M16X1.5	3/8-19	<a href="#">167TA8149</a>
MM18x1.5-FS3/8BSP	M18X1.5	3/8-19	<a href="#">151TA7885</a>
MM18x1.5-FS1/2BSP	M18X1.5	1/2-14	<a href="#">151TA7886</a>
MM22x1.5-FS3/8BSP	M22X1.5	3/8-19	<a href="#">167TA8150</a>
MM22x1.5-FS1/2BSP	M22X1.5	1/2-14	<a href="#">151TA7887</a>
MM22x1.5-FS3/4BSP	M22X1.5	3/4-14	<a href="#">167TA8151</a>



### ADAPTOR - FEMALE SWIVEL BSP / MALE NPT

Description	E	F	L1	L2	LL	d1	d2	H	H1	REF
	BSP	NPT	mm	mm	mm	mm	mm	mm	mm	
FS1/4BSP-M1/4NPT	1/4-19	1/4-18	11.3	14.2	32.5	4.7	6	14	19	<a href="#">167TA8152</a>
FS3/8BSP-M1/4NPT	3/8-19	1/4-18	12.5	14.2	33.5	7.9	6	17	22	<a href="#">167TA8153</a>
FS1/4BSP-M3/8NPT	1/4-19	3/8-18	11.3	14.2	33.5	4.7	9	19	19	<a href="#">167TA8154</a>
FS1/2BSP-M3/8NPT	1/2-14	3/8-18	15	14.2	37	11.1	9	19	27	<a href="#">167TA8155</a>
FS3/8BSP-M1/2NPT	3/8-19	1/2-14	12.5	19	39.5	7.9	12	22	22	<a href="#">167TA8156</a>
FS1/2BSP-M1/2NPT	1/2-14	1/2-14	15	19	42	11.1	11.1	22	27	<a href="#">151TA7888</a>
FS3/4BSP-M3/4NPT	3/4-14	3/4-14	17.8	19	46	16.5	16.5	27	32	<a href="#">151TA7889</a>



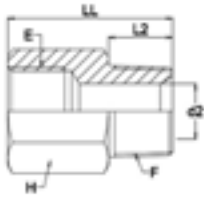
# ADAPTORS TYPE BSP

## ADAPTOR - FEMALE SWIVEL BSP / MALE NPT

Description	E BSP	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS1BSP-M1 NPT	1-11	1-11	19.5	23.9	53.5	21.5	21.5	36	41	<a href="#">167TA8157</a>

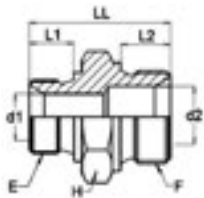
## ADAPTOR - FEMALE BSP / MALE NPT

Description	E BSP	F NPT	L2 mm	LL mm	d2 mm	H mm	REF
F1/8BSP-M1/4NPT	1/8-28	1/4-18	14.2	21.6	6	14	<a href="#">151TA7896</a>
F1/4BSP-M1/4NPT	1/4-19	1/4-18	14.2	35.5	6	19	<a href="#">151TA7897</a>
F1/4BSP-M3/8NPT	1/4-19	3/8-18	14.2	21.6	9	19	<a href="#">151TA7898</a>
F3/8BSP-M3/8NPT	3/8-19	3/8-18	14.2	36.6	9	22	<a href="#">151TA7899</a>
F1/4BSP-M1/2NPT	1/4-19	1/2-14	19	27.9	12	22	<a href="#">151TA7900</a>
F3/8BSP-M1/2NPT	3/8-19	1/2-14	19	27.9	12	22	<a href="#">151TA7901</a>
F1/2BSP-M1/2NPT	1/2-14	1/2-14	19	47.5	12	27	<a href="#">151TA7902</a>
F3/8BSP-M3/4NPT	3/8-19	3/4-14	19	48	16.5	27	<a href="#">151TA7903</a>
F1/2BSP-M3/4NPT	1/2-14	3/4-14	19	29.7	16.5	27	<a href="#">151TA7904</a>
F3/4BSP-M3/4NPT	3/4-14	3/4-14	19	49	16.5	32	<a href="#">151TA7905</a>
F1/4BSP-M1 NPT	1/4-19	1-11.5	23.9	33	11.5	34	<a href="#">151TA7906</a>
F1/2BSP-M1 NPT	1/2-14	1-11.5	23.9	34.5	18.7	36	<a href="#">151TA7907</a>
F3/4BSP-M1 NPT	3/4-14	1-11.5	23.9	36	20.5	40	<a href="#">151TA9801</a>
F1 BSP-M1 NPT	1-11	1-11.5	23.9	60.2	21.5	41	<a href="#">151TA7909</a>



## ADAPTOR - MALE BSP / MALE BSP

Description	E BSP	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8BSP -M1/8BSP	1/8-28	1/8-28	8	8	24	3.5	3.5	14	<a href="#">167TA4882</a>
M1/8BSP-M1/4BSP	1/8-28	1/4-19	8	11	28.5	3.5	4.7	19	<a href="#">151TA7911</a>
M1/8BSP-M3/8BSP	1/8-28	3/8-19	8	12	30	3.5	7.9	22	<a href="#">167TA5147</a>
M1/8BSP-M1/2BSP	1/8-28	1/2-14	8	14	30.5	3.5	11.1	27	<a href="#">167TA8158</a>
M1/8BSP-M5/8BSP	1/8-28	5/8-14	8	16	31	3.5	14.3	30	<a href="#">151TA7914</a>
M1/8BSP-M3/4BSP	1/8-28	3/4-14	8	16	31.5	3.5	14.3	32	<a href="#">151TA7915</a>
M1/4BSP-M1/4BSP	1/4-19	1/4-19	11	11	32	4.7	4.7	19	<a href="#">151TA7916</a>
M1/4BSP-M3/8BSP	1/4-19	3/8-19	11	12	33.5	4.7	7.9	33.5	<a href="#">167TA4928</a>
M1/4BSP-M1/2BSP	1/4-19	1/2-14	11	14	38	4.7	11.1	27	<a href="#">167TA5155</a>
M1/4BSP-M5/8BSP	1/4-19	5/8-14	11	16	40	4.7	14.3	30	<a href="#">151TA7919</a>
M1/4BSP-M3/4BSP	1/4-19	3/4-14	11	16	45	4.7	14.3	30	<a href="#">151TA7920</a>
M1/4BSP-M1 BSP	1/4-19	1-11	11	18	49	4.7	22.2	41	<a href="#">151TA7921</a>
M3/8BSP-M3/8BSP	3/8-19	3/8-19	12	12	35	7.9	7.9	22	<a href="#">107TA3705</a>
M3/8BSP-M1/2BSP	3/8-19	1/2-14	12	14	39.5	7.9	11.1	27	<a href="#">167TA4878</a>
M3/8BSP-M5/8BSP	3/8-19	5/8-14	12	16	40.5	7.9	14.3	30	<a href="#">151TA7924</a>
M3/8BSP-M3/4BSP	3/8-19	3/4-14	12	16	42.5	7.9	16.7	32	<a href="#">167TA4994</a>
M3/8BSP-M1 BSP	3/8-19	1-11	12	18	46.5	7.9	22.2	41	<a href="#">151TA7926</a>
M3/8BSP-M1 1/4BSP	3/8-19	1 1/4-11	12	20	47	7.9	28.6	50	<a href="#">151TA7927</a>
M1/2BSP-M1/2BSP	1/2-14	1/2-14	14	14	42	11.1	11.1	27	<a href="#">167TA4927</a>
M1/2BSP-M5/8BSP	1/2-14	5/8-14	14	16	43	11.1	14.3	30	<a href="#">167TA4799</a>
M1/2BSP-M3/4BSP	1/2-14	3/4-14	14	16	45	11.1	16.7	32	<a href="#">124TA4282</a>
M1/2BSP-M1 BSP	1/2-14	1-11	14	18	49	11.1	22.2	41	<a href="#">167TA8159</a>
M1/2BSP-M1 1/4BSP	1/2-14	1 1/4-11	14	20	51	11.1	28.6	50	<a href="#">151TA7932</a>
M1/2BSP-M1 1/2BSP	1/2-14	1 1/2-11	14	22	54	11.1	33.3	55	<a href="#">151TA7933</a>
M1/2BSP-M2 BSP	1/2-14	2-11	14	24	56	11.1	46	70	<a href="#">151TA7934</a>
M5/8BSP-M5/8BSP	5/8-14	5/8-14	16	16	45	14.3	14.3	30	<a href="#">151TA7935</a>
M5/8BSP-M3/4BSP	5/8-14	3/4-14	16	16	47	14.3	16.7	32	<a href="#">167TA8160</a>

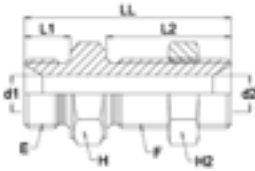


### ADAPTOR - MALE BSP / MALE BSP

Description	E BSP	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M5/8BSP-M1 BSP	5/8-14	1-11	16	18	49	14.3	22.2	41	<a href="#">167TA4820</a>
M5/8BSP-M1 1/4BSP	5/8-14	1 1/4-11	16	20	51	14.3	28.6	50	<a href="#">151TA7938</a>
M3/4BSP-M3/4BSP	3/4-14	3/4-14	16	16	47	16.7	16.7	32	<a href="#">124TA4283</a>
M3/4BSP-M1 BSP	3/4-14	1-11	16	18	51	16.7	22.2	41	<a href="#">124TA4284</a>
M3/4BSP-M1 1/4BSP	3/4-14	1 1/4-11	16	20	54	16.7	28.6	50	<a href="#">167TA8161</a>
M3/4BSP-M1 1/2BSP	3/4-14	1 1/2-11	16	22	56	16.7	33.3	55	<a href="#">151TA7942</a>
M3/4BSP-M2 BSP	3/4-14	2-11	16	24	58	16.7	46	70	<a href="#">151TA7943</a>
M1 BSP-M1 BSP	1-11	1-11	18	18	53	22.2	22.2	41	<a href="#">167TA4661</a>
M1 BSP-M1 1/4BSP	1-11	1 1/4-11	18	20	56	22.2	28.6	50	<a href="#">167TA4987</a>
M1 BSP-M1 1/2BSP	1-11	1 1/2-11	18	22	58	22.2	33.3	55	<a href="#">167TA8162</a>
M1 BSP-M2 BSP	1-11	2-11	18	24	60	22.2	46	70	<a href="#">151TA7947</a>
M1 1/4BSP-M1 1/4BSP	1 1/4-11	1 1/4-11	20	20	58	28.6	28.6	50	<a href="#">167TA4819</a>
M1 1/4BSP-M1 1/2BSP	1 1/4-11	1 1/2-11	20	22	60	28.6	33.3	55	<a href="#">167TA8163</a>
M1 1/4BSP-M2 BSP	1 1/4-11	2-11	20	24	65.5	28.6	46	70	<a href="#">151TA7950</a>
M1 1/2BSP-M1 1/2BSP	1 1/2-11	1 1/2-11	22	22	62	33.3	33.3	55	<a href="#">167TA8164</a>
M1 1/2BSP-M2 BSP	1 1/2-11	2-11	22	24	67.5	33.3	46	70	<a href="#">151TA7952</a>
M2 BSP-M2 BSP	2-11	2-11	24	24	70	46	46	70	<a href="#">167TA5146</a>

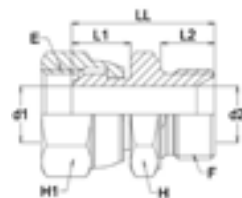
### ADAPTOR - MALE BSP / MALE BULKHEAD BSP + LOCKNUT

Description	E BSP	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M1/8BSP-M1/8BSP BL	1/8-28	1/8-28	10	33	49	3.5	3.5	14	14	<a href="#">151TA7966</a>
M1/4BSP-M1/4BSP BL	1/4-19	1/4-19	12	35	53	4.7	4.7	19	19	<a href="#">167TA4618</a>
M3/8BSP-M3/8BSP BL	3/8-19	3/8-19	13.5	35	56.5	7.9	7.9	22	22	<a href="#">167TA5190</a>
M1/2BSP-M1/2BSP BL	1/2-14	1/2-14	16	39	65	11.1	11.1	27	27	<a href="#">167TA5173</a>
M5/8BSP-M5/8BSP BL	5/8-14	5/8-14	17.5	40	67.5	14.3	14.3	30	30	<a href="#">151TA7970</a>
M3/4BSP-M3/4BSP BL	3/4-14	3/4-14	18.5	42	71.5	16.7	16.7	32	32	<a href="#">167TA4953</a>
M1 BSP-M1 BSP BL	1-11	1-11	20.5	50	84	22.2	22.2	41	41	<a href="#">167TA4657</a>
M1 1/4BSP-M1 1/4BSP BL	1 1/4-11	1 1/4-11	20.5	52	89.5	28.6	28.6	50	50	<a href="#">167TA8165</a>
M1 1/2BSP-M1 1/2BSP BL	1 1/2-11	1 1/2-11	23	55	93	33.3	33.3	55	55	<a href="#">167TA8166</a>
M2 BSP-M2 BSP BL	2-11	2-11	25.5	55	97.5	46	46	70	70	<a href="#">167TA8167</a>



### ADAPTOR - FEMALE SWIVEL BSP / MALE BSP

Description	E BSP	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS1/8BSP-M1/8BSP	1/8-28	1/8-28	10.2	8	22	3.5	3.5	14	14	<a href="#">151TA7982</a>
FS1/4BSP-M1/8BSP	1/8-28	1/4-19	10.2	11	29.9	3.5	4.7	19	14	<a href="#">151TA7983</a>
FS1/8BSP-M1/4BSP	1/4-19	1/8-28	11.3	8	28	4.7	3.5	14	19	<a href="#">151TA7984</a>
FS1/4BSP-M1/4BSP	1/4-19	1/4-19	11.3	11	31	4.7	4.7	19	19	<a href="#">151TA7985</a>
FS3/8BSP-M1/4BSP	1/4-19	3/8-19	11.3	12	33.8	4.7	7.9	22	19	<a href="#">151TA7986</a>
FS1/2BSP-M1/4BSP	1/4-19	1/2-14	11.3	14	37.3	4.7	11.1	27	19	<a href="#">151TA7987</a>
FS3/4BSP-M1/4BSP	1/4-19	3/4-14	11.3	16	38.5	4.5	16.7	32	19	<a href="#">151TA7988</a>
FS1/4BSP-M3/8BSP	3/8-19	1/4-19	12.5	11	34	7.9	4.7	19	22	<a href="#">167TA4916</a>
FS3/8BSP-M3/8BSP	3/8-19	3/8-19	12.5	12	35	7.9	7.9	22	22	<a href="#">151TA7990</a>
FS1/2BSP-M3/8BSP	3/8-19	1/2-14	12.5	14	38.5	7.9	11.1	27	22	<a href="#">167TA5263</a>
FS5/8BSP-M3/8BSP	3/8-19	5/8-14	12.5	16	40.2	7.1	14.3	30	22	<a href="#">151TA7992</a>
FS1/4BSP-M1/2BSP	1/2-14	1/4-19	15	11	38	11.1	4.7	19	27	<a href="#">167TA8168</a>
FS3/8BSP-M1/2BSP	1/2-14	3/8-19	15	12	39	11.1	7.9	22	27	<a href="#">151TA7994</a>
FS1/2BSP-M1/2BSP	1/2-14	1/2-14	15	14	41	11.1	11.1	27	27	<a href="#">167TA8169</a>
FS5/8BSP-M1/2BSP	1/2-14	5/8-14	15	16	41.3	11.1	14.3	30	27	<a href="#">151TA7996</a>



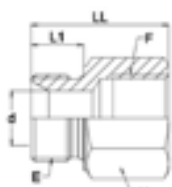
# ADAPTORS TYPE BSP

## ADAPTOR - FEMALE SWIVEL BSP / MALE BSP

Description	E BSP	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS3/4BSP-M1/2BSP	1/2-14	3/4-14	15	16	42.2	11.1	16.7	32	27	<a href="#">151TA7997</a>
FS1 BSP-M1/2BSP	1/2-14	1-11	15	19	46.5	9.7	22.2	41	27	<a href="#">151TA7998</a>
FS1/2BSP-M5/8BSP	5/8-14	1/2-14	14.3	14	40	14.3	11.1	27	30	<a href="#">151TA7999</a>
FS5/8BSP-M5/8BSP	5/8-14	5/8-14	14.3	16	42	14.3	14.3	30	30	<a href="#">151TA8000</a>
FS3/4BSP-M5/8BSP	5/8-14	3/4-14	14.3	16	41.5	12	16.7	32	30	<a href="#">151TA8001</a>
FS1 BSP-M5/8BSP	5/8-14	1-11	14.3	19	45.8	12	22.2	41	30	<a href="#">151TA8002</a>
FS3/8BSP-M3/4BSP	3/4-14	3/8-19	17.8	12	41	15.5	7.9	27	32	<a href="#">151TA8003</a>
FS1/2BSP-M3/4BSP	3/4-14	1/2-14	17.8	14	43	16.7	11.1	27	32	<a href="#">167TA4832</a>
FS5/8BSP-M3/4BSP	3/4-14	5/8-14	17.8	16	45	16.7	14.3	30	32	<a href="#">151TA8005</a>
FS3/4BSP-M3/4BSP	3/4-14	3/4-14	17.8	16	45	16.7	16.7	32	32	<a href="#">167TA4982</a>
FS1 BSP-M3/4BSP	3/4-14	1-11	17.8	19	49.3	16.7	22.2	41	32	<a href="#">151TA8007</a>
FS1/2BSP-M1 BSP	1-11	1/2-14	19.5	14	46	20.4	11.1	32	41	<a href="#">151TA8008</a>
FS5/8BSP-M1 BSP	1-11	5/8-14	19.5	16	48	22.2	14.3	32	41	<a href="#">151TA8009</a>
FS3/4BSP-M1 BSP	1-11	3/4-14	19.5	16	48	22.2	16.7	32	41	<a href="#">151TA8010</a>
FS1 BSP-M1 BSP	1-11	1-11	19.5	19	51	22.2	22.2	41	41	<a href="#">151TA8011</a>
FS1 1/4BSP-M1 BSP	1-11	1 1/4-11	19.5	20	53.1	22.2	28.6	50	41	<a href="#">151TA8012</a>
FS1 BSP-M1 1/4BSP	1 1/4-11	1-11	21.4	19	54	28.6	22.2	41	50	<a href="#">151TA8013</a>
FS3/4BSP-M1 1/4BSP	1 1/4-11	3/4-14	21.4	16	51	26	16.7	41	50	<a href="#">151TA8014</a>
FS1/4BSP-M1 1/4BSP	1 1/4-11	1 1/4-11	21.4	20	55	28.6	28.6	50	50	<a href="#">151TA8015</a>
FS1/2BSP-M1 1/2BSP	1 1/2-11	1 1/2-11	22	22	64	33.3	33.3	50	55	<a href="#">151TA8016</a>
FS2 BSP-M2 BSP	2-11	2-11	22.9	25	69	46	46	70	70	<a href="#">151TA8017</a>

## ADAPTOR - MALE BSP 60° / FEMALE BSP

Description	E BSP	F BSP	L1 mm	LL mm	d1 mm	H mm	REF
M1/8BSP-F1/8BSP	1/8-28	1/8-28	8	23	3.5	14	<a href="#">151TA8049</a>
M1/8BSP-F1/4BSP	1/8-28	1/4-19	8	28.5	3.5	19	<a href="#">151TA8050</a>
M1/8BSP-F3/8BSP	1/8-28	3/8-19	8	28	3.5	19	<a href="#">151TA8051</a>
M1/8BSP-F1/2BSP	1/8-28	1/2-14	8	24	3.5	19	<a href="#">151TA8052</a>
M1/4BSP-F1/8BSP	1/4-19	1/8-28	11	28	4.7	19	<a href="#">151TA8053</a>
M1/4BSP-F1/4BSP	1/4-19	1/4-19	11	30	4.7	19	<a href="#">151TA8054</a>
M1/4BSP-F3/8BSP	1/4-19	3/8-19	11	31	4.7	22	<a href="#">151TA8055</a>
M1/4BSP-F1/2BSP	1/4-19	1/2-14	11	38	4.7	27	<a href="#">151TA8056</a>
M3/8BSP-F1/8BSP	3/8-19	1/8-28	12	21	8.6	22	<a href="#">151TA8057</a>
M3/8BSP-F1/4BSP	3/8-19	1/4-19	12	21	11.5	22	<a href="#">151TA8058</a>
M3/8BSP-F3/8BSP	3/8-19	3/8-19	12	31	7.9	22	<a href="#">151TA8059</a>
M3/8BSP-F1/2BSP	3/8-19	1/2-14	12	38	7.9	27	<a href="#">151TA8060</a>
M3/8BSP-F3/4BSP	3/8-19	3/4-14	12	26	7.9	27	<a href="#">151TA8061</a>
M1/2BSP-F1/8BSP	1/2-14	1/8-28	14	24	8.6	27	<a href="#">151TA8062</a>
M1/2BSP-F1/4BSP	1/2-14	1/4-19	14	24	11.5	27	<a href="#">151TA8063</a>
M1/2BSP-F3/8BSP	1/2-14	3/8-19	14	24	14.9	27	<a href="#">151TA8064</a>
M1/2BSP-F1/2BSP	1/2-14	1/2-14	14	38	11.1	27	<a href="#">167TA4943</a>
M1/2BSP-F5/8BSP	1/2-14	5/8-14	14	24	11.1	27	<a href="#">151TA8066</a>
M1/2BSP-F3/4BSP	1/2-14	3/4-14	14	43	11.1	32	<a href="#">151TA8067</a>
M1/2BSP-F1 BSP	1/2-14	1-11	14	30	11.1	32	<a href="#">151TA8068</a>
M1/2BSP-F1/4BSP	1/2-14	1 1/4-11	14	38	11.1	32	<a href="#">151TA8069</a>
M5/8BSP-F3/8BSP	5/8-14	3/8-19	16	36	12	32	<a href="#">151TA8070</a>
M5/8BSP-F1/2BSP	5/8-14	1/2-14	16	24	14.1	32	<a href="#">151TA8071</a>
M5/8BSP-F5/8BSP	5/8-14	5/8-14	16	30	15.2	32	<a href="#">151TA8072</a>
M5/8BSP-F3/4BSP	5/8-14	3/4-14	16	32	16	32	<a href="#">151TA8073</a>
M3/4BSP-F1/4BSP	3/4-14	1/4-19	16	26	16.7	32	<a href="#">151TA8074</a>



### ADAPTOR - MALE BSP 60° / FEMALE BSP

Description	E BSP	F BSP	L1 mm	LL mm	d1 mm	H mm	REF
M3/4BSP-F3/8BSP	3/4-14	3/8-19	16	26	16.7	32	<a href="#">151TA8075</a>
M3/4BSP-F1/2BSP	3/4-14	1/2-14	16	26	18.6	32	<a href="#">167TA4749</a>
M3/4BSP-F5/8BSP	3/4-14	5/8-14	16	32	16	32	<a href="#">151TA8077</a>
M3/4BSP-F3/4BSP	3/4-14	3/4-14	16	42	16.7	32	<a href="#">151TA8078</a>
M3/4BSP-F1 BSP	3/4-14	1-11	16	52.5	16.7	41	<a href="#">151TA8079</a>
M3/4BSP-F1 1/4BSP	3/4-14	1 1/4-11	16	33	21	41	<a href="#">151TA8080</a>
M1 BSP-F1/4BSP	1-11	1/4-19	19	30	22.2	41	<a href="#">151TA8081</a>
M1 BSP-F3/8BSP	1-11	3/8-19	19	30	22.2	41	<a href="#">151TA8082</a>
M1 BSP-F1/2BSP	1-11	1/2-14	19	30	18.6	41	<a href="#">151TA8083</a>
M1 BSP-F3/4BSP	1-11	3/4-14	19	30	22.2	41	<a href="#">151TA8084</a>
M1 BSP-F1 BSP	1-11	1-11	19	51	22.2	41	<a href="#">151TA8085</a>
M1 BSP-F1 1/4BSP	1-11	1 1/4-11	19	55	22.2	50	<a href="#">151TA8086</a>
M1 BSP-F1 1/2BSP	1-11	1 1/2-11	19	38	22.2	50	<a href="#">151TA8087</a>
M1 1/4BSP-F3/8BSP	1 1/4-11	3/8-19	20	30	24	50	<a href="#">151TA8088</a>
M1 1/4BSP-F1/2BSP	1 1/4-11	1/2-14	20	33	28.6	50	<a href="#">151TA8089</a>
M1 1/4BSP-F3/4BSP	1 1/4-11	3/4-14	20	33	14.1	50	<a href="#">151TA8090</a>
M1 1/4BSP-F1 BSP	1 1/4-11	1-11	20	33	30.3	50	<a href="#">151TA8091</a>
M1 1/4BSP-F1 1/4BSP	1 1/4-11	1 1/4-11	20	32	24	50	<a href="#">151TA8092</a>
M1 1/4BSP-F1 1/2BSP	1 1/4-11	1 1/2-11	20	36	33.3	55	<a href="#">151TA8093</a>
M1 1/2BSP-F1 BSP	1 1/2-11	1-11	22	38	30.3	55	<a href="#">151TA8094</a>
M1 1/2BSP-F11/4BSP	1 1/2-11	1 1/4	22	38	33.3	55	<a href="#">151TA8095</a>
M1 1/2BSP-F1 1/2BSP	1 1/2-11	1 1/2-11	22	60	33.3	55	<a href="#">151TA8096</a>
M2 BSP-F2 BSP	2-11	2-11	25	63	46	70	<a href="#">151TA8097</a>

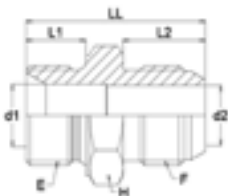
### ADAPTOR - MALE BSP / MALE METRIC 60°

Description	A BSP	B Metric	REF
M1/4BSP-MM21x1.5	1/4-19	M21X1.5	<a href="#">151TA8336</a>
M1/4BSP-MM22x1.5	1/4-19	M22X1.5	<a href="#">151TA8337</a>
M3/8BSP-M21x1.5	3/8-19	M21X1.5	<a href="#">151TA8338</a>
M3/8BSP-MM22x1.5	3/8-19	M22X1.5	<a href="#">151TA8339</a>
M1/2BSP-MM22x1.5	1/2-14	M22X1.5	<a href="#">151TA8340</a>



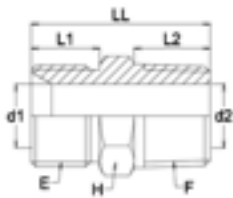
### ADAPTOR - MALE BSP 60° / MALE KOMATSU

Description	E BSP	F KOM	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/4BSP-MM14x1.5KOM	1/4-19	M14x1.5	11	17	37	4.7	9	19	<a href="#">151TA8383</a>
M1/4BSP-MM18x1.5KOM	1/4-19	M18x1.5	11	18	38	4.7	4.7	19	<a href="#">167TA8170</a>
M3/8BSP-MM18x1.5KOM	3/8-19	M18x1.5	12	18	39	7.9	7.9	22	<a href="#">151TA8384</a>
M3/8BSP-MM22x1.5KOM	3/8-19	M22x1.5	12	20	41	7.9	10.5	24	<a href="#">167TA8171</a>
M1/2BSP-MM20x1.5KOM	1/2-14	M20x1.5	14	20	44	11.1	9	27	<a href="#">167TA8172</a>
M1/2BSP-MM22x1.5KOM	1/2-14	M22x1.5	14	20	44	10.5	10.5	27	<a href="#">151TA8385</a>
M5/8BSP-MM24x1.5KOM	5/8-14	M24x1.5	16	21.5	47.5	13	13	30	<a href="#">167TA8173</a>
M3/4BSP-MM30x1.5KOM	3/4-14	M30x1.5	16	26	52	16.7	16.7	32	<a href="#">167TA8174</a>
M1 BSP-MM33x1.5KOM	1-11	M33x1.5	19	30	60	22.2	19	41	<a href="#">167TA8175</a>



# ADAPTORS TYPE BSP

## ADAPTOR - MALE BSP 60° / MALE BSPT



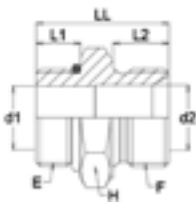
Description	E BSP	F BSPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8BSP-M1/8BSPT	1/8-28	1/8-28	8	10	24	3.5	3.5	12	<a href="#">167TA5131</a>
M1/8BSP-M1/4BSPT	1/8-28	1/4-19	8	14	28	3.5	6	12	<a href="#">151TA8136</a>
M1/8BSP-M3/8BSPT	1/8-28	3/8-19	8	12	26	3.5	7.9	12	<a href="#">151TA8137</a>
M1/8BSP-M1/2BSPT	1/8-28	1/2-14	8	14.5	29	3.5	11.1	12	<a href="#">151TA8138</a>
M1/8BSP-M3/4BSPT	1/8-28	3/4-14	8	20	30	3.5	16.7	12	<a href="#">151TA8139</a>
M1/4BSP-M1/8BSPT	1/4-19	1/8-28	11	10	28	6	4.5	14	<a href="#">151TA8140</a>
M1/4BSP-M1/4BSPT	1/4-19	1/4-19	11	14	32	6	7	14	<a href="#">167TA5077</a>
M1/4BSP-M3/8BSPT	1/4-19	3/8-19	13	12	33	6	6	22	<a href="#">167TA5191</a>
M1/4BSP-M1/2BSPT	1/4-19	1/2-14	13	14.5	34	6	11.1	22	<a href="#">151TA8143</a>
M1/4BSP-M5/8BSPT	1/4-19	5/8-14	13	19	36	6	13	22	<a href="#">151TA8144</a>
M1/4BSP-M3/4BSPT	1/4-19	3/4-14	13	20	37	6	16.7	22	<a href="#">151TA8145</a>
M1/4BSP-M1 BSPT	1/4-19	1-11	13	24	38	6	22.2	17	<a href="#">151TA8146</a>
M3/8BSP-M1/8BSPT	3/8-19	1/8-28	12	10	29	7.9	3.5	17	<a href="#">151TA8147</a>
M3/8BSP-M1/4BSPT	3/8-19	1/4-19	12	14	33	7.9	7	17	<a href="#">167TA4750</a>
M3/8BSP-M3/8BSPT	3/8-19	3/8-19	12	15	34	7.9	7.9	17	<a href="#">167TA5076</a>
M3/8BSP-M1/2BSPT	3/8-19	1/2-14	12	14.5	80	7.9	14	27	<a href="#">167TA5253</a>
M3/8BSP-M5/8BSPT	3/8-19	5/8-14	12	19	30	7.9	13	27	<a href="#">151TA8151</a>
M3/8BSP-M3/4BSPT	3/8-19	3/4-14	12	20	31	7.9	16.7	27	<a href="#">151TA8152</a>
M3/8BSP-M1 BSPT	3/8-19	1-11	12	24	33	7.9	22.2	27	<a href="#">151TA8153</a>
M1/2BSP-M1/8BSPT	1/2-14	1/8-28	14	10	30	11.1	3.5	21	<a href="#">151TA8154</a>
M1/2BSP-M1/4BSPT	1/2-14	1/4-19	14	14	36	11.1	7	21	<a href="#">151TA8155</a>
M1/2BSP-M3/8BSPT	1/2-14	3/8-19	14	15	37	11.1	10	21	<a href="#">167TA4660</a>
M1/2BSP-M1/2BSPT	1/2-14	1/2-14	14	14.5	41	11.1	11.1	22	<a href="#">167TA5036</a>
M1/2BSP-M5/8BSPT	1/2-14	5/8-14	14	19	40	11.1	13	22	<a href="#">151TA8158</a>
M1/2BSP-M3/4BSPT	1/2-14	3/4-14	14	20	43	11.1	16.7	22	<a href="#">151TA8159</a>
M1/2BSP-M1 BSPT	1/2-14	1-11	14	24	40	11.1	22.2	24	<a href="#">151TA8160</a>
M5/8BSP-M1/4BSPT	5/8-14	1/4-19	16	14	38	13	7	24	<a href="#">151TA8161</a>
M5/8BSP-M3/8BSPT	5/8-14	3/8-19	16	15	39	13	10	24	<a href="#">151TA8162</a>
M5/8BSP-M1/2BSPT	5/8-14	1/2-14	16	19	43	13	14	24	<a href="#">151TA8163</a>
M5/8BSP-M5/8BSPT	5/8-14	5/8-14	16	19	44	13	13	24	<a href="#">151TA8164</a>
M5/8BSP-M3/4BSPT	5/8-14	3/4-14	16	20	45	13	16.7	24	<a href="#">151TA8165</a>
M5/8BSP-M1 BSPT	5/8-14	1-11	16	24	49	13	22.2	24	<a href="#">151TA8166</a>
M3/4BSP-M1/8BSPT	3/4-14	1/8-28	16	10	36	16.7	3.5	27	<a href="#">151TA8167</a>
M3/4BSP-M1/4BSPT	3/4-14	1/4-19	16	14	39	16.7	7	27	<a href="#">151TA8168</a>
M3/4BSP-M3/8BSPT	3/4-14	3/8-19	16	15	40	16.7	10	27	<a href="#">151TA8169</a>
M3/4BSP-M1/2BSPT	3/4-14	1/2-14	16	19	44	16.7	13	27	<a href="#">167TA4682</a>
M3/4BSP-M5/8BSPT	3/4-14	5/8-14	16	19	44	16.7	14	27	<a href="#">151TA8171</a>
M3/4BSP-M3/4BSPT	3/4-14	3/4-14	16	20	44	16.7	16.7	27	<a href="#">167TA5100</a>
M3/4BSP-M1 BSPT	3/4-14	1-11	16	24	49	16.7	22.2	34	<a href="#">167TA5045</a>
M3/4BSP-M1 1/4BSPT	3/4-14	1 1/4-11	16	25	50	16.7	28.6	34	<a href="#">151TA8174</a>
M1 BSP-M1/4BSPT	1-11	1/4-19	19	14	44	22.2	7	34	<a href="#">151TA8175</a>
M1 BSP-M3/8BSPT	1-11	3/8-19	19	15	45	22.2	10	34	<a href="#">151TA8176</a>
M1 BSP-M1/2BSPT	1-11	1/2-14	19	19	48	22.2	13	34	<a href="#">151TA8177</a>
M1 BSP-M5/8BSPT	1-11	5/8-14	19	19	48	22.2	14	34	<a href="#">151TA8178</a>
M1 BSP-M3/4BSPT	1-11	3/4-14	19	20	49	22.2	18	34	<a href="#">167TA4971</a>
M1 BSP-M1 BSPT	1-11	1-11	19	24	53	22.2	22.2	36	<a href="#">167TA4877</a>
M1 BSP-M1 1/4BSPT	1-11	1 1/4-11	19	25	53	22.2	28.6	36	<a href="#">151TA8181</a>
M1 BSP-M1 1/2BSPT	1-11	1 1/2-11	19	25	53	22.2	31	36	<a href="#">151TA8182</a>
M1 BSP-M2 BSPT	1-11	2-11	19	30	54	22.2	46	36	<a href="#">151TA8183</a>
M1 1/4BSP-M1/2BSPT	1 1/4-11	1/2-14	20	19	49	28.6	13	42	<a href="#">151TA8184</a>
M1 1/4BSP -M3/4BSPT	1 1/4-11	3/4-14	20	20	50	28.6	18	42	<a href="#">151TA8185</a>
M1 1/4BSP-M1 BSPT	1 1/4-11	1-11	20	24	54	28.6	24	42	<a href="#">151TA8186</a>

### ADAPTOR - MALE BSP 60° / MALE BSPT

Description	E BSP	F BSPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 1/4BSP-M1 1/4BSPT	1 1/4-11	1 1/4-11	20	25	57	28.6	28.6	46	<a href="#">167TA4801</a>
M1 1/4BSP-M1/2BSPT	1 1/4-11	1 1/2-11	20	19	49	28.6	13	46	<a href="#">151TA8188</a>
M1 1/4BSP-M2 BSPT	1 1/4-11	2-11	20	30	54	28.6	46	46	<a href="#">151TA8189</a>
M1 1/2BSP-M3/4BSPT	1 1/2-11	3/4-14	22	20	53	31	18	46	<a href="#">151TA8190</a>
M1 1/2BSP-M1BSPT	1 1/2-11	1-11	22	24	58	31	22.2	50	<a href="#">151TA8191</a>
M1 1/2BSP-M1 1/4BSPT	1 1/2-11	1 1/4-11	22	25	59	31	31	50	<a href="#">151TA8192</a>
M1 1/2BSP-M1 1/2BSPT	1 1/2-11	1 1/2-11	22	25	59	33.3	33.3	50	<a href="#">167TA4833</a>
M1 1/2BSP-M2 BSPT	1 1/2-11	2-11	22	30	67	33.3	46	50	<a href="#">151TA8194</a>
M2 BSP-M3/4BSPT	2-11	3/4-14	25	20	61	46	18	50	<a href="#">151TA8195</a>
M2 BSP-M1 BSPT	2-11	1-11	25	24	64	46	22.2	60	<a href="#">151TA8196</a>
M2 BSP-M1 1/4BSPT	2-11	1 1/4-11	25	25	65	46	28.6	60	<a href="#">151TA8197</a>
M2 BSP-M1 1/2BSPT	2-11	1 1/2-11	25	25	65	46	38	60	<a href="#">151TA8198</a>
M2 BSP-M2 BSPT	2-11	2-11	25	30	70	46	46	65	<a href="#">151TA8199</a>

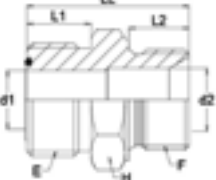
### ADAPTOR - MALE SAE + O-RING / MALE BSP

Description	E UNF	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M3/8SAE-M1/8BSP	3/8-24	1/8-28	9.1	8	25	3.5	3.5	14	<a href="#">151TA8221</a>
M7/16SAE-M1/8BSP	7/16-20	1/8-28	9.1	8	25	3.5	3.5	14	<a href="#">151TA8222</a>
M1/2SAE-M1/8BSP	1/2-20	1/8-28	9.1	8	25	3.5	3.5	14	<a href="#">151TA8223</a>
M9/16SAE-M1/8BSP	9/16-18	1/8-28	9.1	8	25	4.4	3.5	19	<a href="#">151TA8224</a>
M3/4SAE-M1/8BSP	3/4-16	1/8-28	9.1	8	29.5	4.4	3.5	19	<a href="#">151TA8225</a>
M7/16SAE-M1/4BSP	7/16-20	1/4-19	9.1	12	29.5	4.4	4.7	19	<a href="#">151TA8226</a>
M1/2SAE-M1/4BSP	1/2-20	1/4-19	9.1	12	29.5	4.7	4.7	19	<a href="#">167TA5031</a>
M9/16SAE-M1/4BSP	9/16-18	1/4-19	9.9	12	32	7.5	4.7	19	<a href="#">151TA8228</a>
M3/4SAE-M1/4BSP	3/4-16	1/4-19	11.1	12	31	9.9	4.7	22	<a href="#">167TA4966</a>
M7/8SAE-M1/4BSP	7/8-14	1/4-19	12.7	11	34.5	12.3	4.7	27	<a href="#">151TA8230</a>
M9/16SAE-M3/8BSP	9/16-18	3/8-19	9.9	13.5	33.5	7.5	7.5	22	<a href="#">167TA4755</a>
M3/4SAE-M3/8BSP	3/4-16	3/8-19	11.1	13.5	36	9.9	7.9	24	<a href="#">167TA5119</a>
M7/8SAE-M3/8BSP	7/8-14	3/8-19	12.7	13.5	39.5	12.3	7.9	27	<a href="#">151TA8233</a>
M1 1/16SAE-M3/8BSP	1 1/16-12	3/8-19	15.1	13.5	41	15.5	7.9	27	<a href="#">151TA8234</a>
M9/16SAE-M1/2BSP	9/16-18	1/2-14	9.9	16	36	7.5	11.1	27	<a href="#">151TA8235</a>
M3/4SAE-M1/2BSP	3/4-16	1/2-14	11.1	16	38	9.9	9.9	27	<a href="#">151TA8236</a>
M7/8SAE-M1/2BSP	7/8-14	1/2-14	12.7	16	42	11.1	11.1	27	<a href="#">151TA8237</a>
M1 1/16SAE-M1/2BSP	1 1/16-12	1/2-14	15.1	16	42.5	15.5	11.1	36	<a href="#">151TA8238</a>
M7/8SAE-M5/8BSP	7/8-14	5/8-14	12.7	17.5	43.5	12.3	12.3	30	<a href="#">151TA8239</a>
M1 1/16SAE-M3/4BSP	1 1/16-12	3/4-14	15.1	18.5	48	15.5	15.5	34	<a href="#">151TA8240</a>
M1 3/16SAE-M3/4BSP	1 3/16-12	3/4-14	15.1	16	42	16.7	16.7	36	<a href="#">151TA8241</a>
M1 5/16SAE-M1 BSP	1 5/16-12	1-11	15.1	20.5	52.6	21.5	21.5	41	<a href="#">151TA8242</a>
M1 5/8SAE-M1 1/4BSP	1 5/8-12	1 1/4-11	15.1	20.5	54.7	27.5	27.5	50	<a href="#">151TA8243</a>
M1 7/8SAE-M1 1/2BSP	1 7/8-12	1 1/2-11	15.1	23	57	33	33	55	<a href="#">151TA8244</a>
M2 SAE-M2 BSP	2 1/2-12	2-11	15.1	26	60	36	36	60	<a href="#">151TA8245</a>



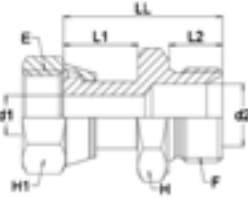
# ADAPTORS TYPE BSP

## ADAPTOR - MALE ORFS / MALE BSP 60°



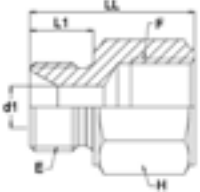
Description	E UNF	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M13/16ORFS-M3/8BSP	13/16	3/8	12.8	13.5	34.5	9.5	7.9	22	<a href="#">151TA8253</a>
M1 ORFS-M3/8BSP	1	3/8	15.5	13.5	39	12.5	7.9	27	<a href="#">151TA8254</a>
M11/16ORFS-M1/2BSP	11/16	1/2	11.2	16	37	6.5	11.1	27	<a href="#">151TA8255</a>
M13/16ORFS-M1/2BSP	13/16	1/2	12.8	16	38.8	9.5	9.5	27	<a href="#">151TA8256</a>
M1 ORFS-M1/2BSP	1	1/2	15.5	16	41.5	12.5	11.1	27	<a href="#">151TA8257</a>
M1 3/16ORFS-M1/2BSP	1 3/16	1/2	17	16	44	15.5	11.1	32	<a href="#">151TA8258</a>
M13/16ORFS-M3/4BSP	13/16	3/4	12.8	18.5	42	9.5	16.7	32	<a href="#">151TA8259</a>
M1 ORFS-M3/4BSP	1	3/4	15.5	16	44.6	12.5	16.7	32	<a href="#">151TA8260</a>
M1 3/16ORFS-M3/4BSP	1 3/16	3/4	17	18.5	46.5	15.5	15.5	32	<a href="#">151TA8261</a>
M1 7/16ORFS-M3/4BSP	1 7/16	3/4	17.5	16	47.8	20.5	16.7	41	<a href="#">151TA8262</a>
M1 3/16ORFS-M1 BSP	1 3/16	1	17	20.5	50.5	15.5	22.2	41	<a href="#">151TA8263</a>
M1 7/16ORFS-M1 BSP	1 7/16	1	17.5	20.5	51	20.5	20.5	41	<a href="#">151TA8264</a>
M1 7/16ORFS-M1 1/4BSP	1 7/16	1 1/4	17.5	20.5	53	20.5	28.6	50	<a href="#">151TA8265</a>
M1 11/16ORFS-M1 1/4BSP	1 11/16	1 1/4	17.5	20.5	53	26	26	50	<a href="#">151TA8266</a>
M2 ORFS-M1 1/2BSP	2	1 1/2	17.5	23	55.5	32	32	55	<a href="#">151TA8267</a>

## ADAPTOR - FEMALE ORFS / MALE BSP 60°



Description	E UNF	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS9/16ORFS-M1/4BSP	9/16	1/4	16	11	36	4	4	19	19	<a href="#">151TA8268</a>
FS11/16ORFS-M1/4BSP	11/16	1/4	19	11	39	6.5	4.7	19	22	<a href="#">151TA8269</a>
FS9/16ORFS-M3/8BSP	9/16	3/8	19	12	39	6.5	4.7	22	22	<a href="#">167TA8176</a>
FS11/16ORFS-M3/8BSP	11/16	3/8	19	12	40	6.5	6.5	22	22	<a href="#">151TA8270</a>
FS13/16ORFS-M3/8BSP	13/16	3/8	21	12	42	9	7.9	22	24	<a href="#">151TA8271</a>
FS11/16ORFS-M1/2BSP	11/16	1/2	19	14	43	6.5	11.1	27	22	<a href="#">151TA8272</a>
FS13/16ORFS-M1/2BSP	13/16	1/2	21	14	45	9	11.1	27	24	<a href="#">151TA8273</a>
FS1 ORFS-M1/2BSP	1	1/2	25	14	49	11.1	11.1	27	30	<a href="#">151TA8274</a>
FS1 3/16ORFS-M1/2BSP	1 3/16	1/2	25	14	50	11.1	11.1	30	30	<a href="#">151TA8275</a>
FS1 ORFS-M5/8BSP	1	5/8	25	16	51	11.5	14.3	30	30	<a href="#">151TA8276</a>
FS1 ORFS-M3/4BSP	1	3/4	25	16	51	11.5	16.7	32	30	<a href="#">151TA8277</a>
FS1 3/16ORFS-M3/4BSP	1 3/16	3/4	26.5	16	52.5	14	16.7	32	36	<a href="#">151TA8278</a>
FS1 3/16ORFS-M1 BSP	1 3/16	1	26.5	19	56.5	14	22.2	41	36	<a href="#">151TA8279</a>
FS1 7/16ORFS-M1 BSP	1 7/16	1	28	19	58	20	20	41	41	<a href="#">151TA8280</a>
FS1 7/16ORFS-M1 1/4BSP	1 7/16	1 1/4	28	20	61	20	28.6	50	41	<a href="#">151TA8281</a>
FS1 11/16ORFS-M1/4BSP	1 11/16	1 1/4	28	20.5	67	26	30	50	50	<a href="#">151TA8282</a>
FS2 ORFS-M1/2BSP	2	1 1/2	28	22	66	32	32	55	60	<a href="#">151TA8283</a>

## ADAPTOR - MALE BSP 60° / FEMALE METRIC FIX



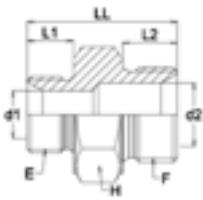
Description	E BSP	F Metric	L1 mm	LL mm	d1 mm	H mm	REF
M1/4BSP-FM16x1.5	1/4-19	M16x1.5	11	24	4.7	22	<a href="#">167TA8185</a>
M3/8BSP- FM14x1.5	3/8-19	M14x1.5	12	26	7.1	22	<a href="#">151TA8343</a>
M3/8BSP-FM16x1.5	3/8-19	M16x1.5	14	28.5	7.1	24	<a href="#">151TA8344</a>
M3/8BSP-FM18x1.5	3/8-19	M18x1.5	15	30	7.1	24	<a href="#">151TA8345</a>
M1/2BSP-FM14x1.5	1/2-14	M14x1.5	12	32	11.1	27	<a href="#">151TA8346</a>
M1/2BSP-FM16x1.5	1/2-14	M16x1.5	16	34.5	11.1	27	<a href="#">151TA8347</a>
M1/2BSP-FM18x1.5	1/2-14	M18x1.5	14	32.5	11.1	28	<a href="#">151TA8348</a>
M1/2BSP-FM20x1.5	1/2-14	M20x1.5	15	30.5	11.1	28	<a href="#">151TA8349</a>
M1/2BSP-FM22x1.5	1/2-14	M22x1.5	16	32.5	11.1	30	<a href="#">151TA8350</a>
M3/4BSP-FM16x1.5	3/4-14	M16x1.5	16	26	16.7	32	<a href="#">167TA8186</a>

### ADAPTOR - MALE BSP 60° / FEMALE METRIC FIX

Description	E BSP	F Metric	L1 mm	LL mm	d1 mm	H mm	REF
M3/4BSP-FM18x1.5	3/4-14	M18x1.5	16.7	26	16.7	32	<a href="#">167TA8187</a>

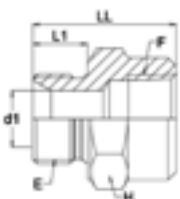
### ADAPTOR - MALE BSP 60° / MALE METRIC 60°

Description	E BSP	F Metric	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8BSP-MM10x1	1/8-28	M10x1	10	8	24	3	3	14	<a href="#">167TA8188</a>
M1/8BSP-MM12x1	1/8-28	M12x1	10	8	28	3.5	3.5	17	<a href="#">167TA8189</a>
M1/8BSP-MM12x1.5	1/8-28	M12x1.5	8	10	28	3.5	3.5	17	<a href="#">167TA8190</a>
M1/4BSP-MM10x1	1/4-19	M10x1	11	8	29.5	4.7	3	19	<a href="#">167TA8191</a>
M1/4BSP-MM12x1	1/4-19	M12x1	11	10	32	4	4	19	<a href="#">167TA8192</a>
M1/4BSP-MM12x1.5	1/4-19	M12x1.5	11	10	32	4	4	19	<a href="#">167TA8193</a>
M1/4BSP-MM14x1.5	1/4-19	M14x1.5	11	12	34	4.7	6	19	<a href="#">151TA8341</a>
M3/8BSP-MM14x1.5	3/8-19	M14x1.5	12	12	35	7.9	6	22	<a href="#">167TA4914</a>
M1/2BSP-MM14x1.5	1/2-14	M14x1.5	14	12	38	11.1	6	27	<a href="#">151TA8359</a>
M1/4BSP-MM16x1.5	1/4-19	M16x1.5	11	12	34	4.7	8	22	<a href="#">151TA8360</a>
M3/8BSP-MM16x1.5	3/8-19	M16x1.5	12	12	35	7.9	7.9	22	<a href="#">151TA8361</a>
M1/2BSP-MM16x1.5	1/2-14	M16x1.5	14	12	38	11.1	8	27	<a href="#">167TA4609</a>
M1/4BSP-MM18x1.5	1/4-19	M18x1.5	11	12	35.5	4.7	10	24	<a href="#">151TA8363</a>
M3/8BSP-MM18x1.5	3/8-19	M18x1.5	12	12	35.5	7.9	10	24	<a href="#">151TA8364</a>
M1/2BSP-MM18x1.5	1/2-14	M18x1.5	14	12	38.5	10	10	27	<a href="#">151TA8365</a>
M3/4BSP-MM18x1.5	3/4-14	M18x1.5	16	12	40.5	16.7	10	32	<a href="#">151TA8366</a>
M1/4BSP-MM20x1.5	1/4-19	M20x1.5	11	14	35.5	4.7	10	24	<a href="#">151TA8367</a>
M3/8BSP-MM20x1.5	3/8-19	M20x1.5	12	14	38.5	7.9	12	27	<a href="#">167TA4783</a>
M1/2BSP-MM20x1.5	1/2-14	M20x1.5	14	14	40.5	11.1	11.1	27	<a href="#">151TA8369</a>
M3/4BSP-MM20x1.5	3/4-14	M20x1.5	16	14	42.5	16.7	12	32	<a href="#">151TA8370</a>
M3/8BSP-MM22x1.5	3/8-19	M22x1.5	12	14	39	7.9	14.1	27	<a href="#">151TA8371</a>
M1/2BSP-MM22x1.5	1/2-14	M22x1.5	14	14	41	11.1	14.1	27	<a href="#">151TA8372</a>
M5/8BSP-MM22x1.5	5/8-14	M22x1.5	16	14	43	14.1	14.1	30	<a href="#">151TA8373</a>
M3/4BSP-MM22x1.5	3/4-14	M22x1.5	16	14	43	16.7	14.1	32	<a href="#">167TA4680</a>
M3/8BSP-MM24x1.5	3/8-19	M24x1.5	12	14	38.5	7.9	12	27	<a href="#">151TA8375</a>
M1/2BSP-MM24x1.5	1/2-14	M24x1.5	14	14	41	11.1	16	30	<a href="#">151TA8376</a>
M3/4BSP-MM24x1.5	3/4-14	M24x1.5	18.5	14	44.5	16	16	32	<a href="#">151TA8377</a>
M1/2BSP-MM26x1.5	1/2-14	M26x1.5	16	16	44	11.1	15	32	<a href="#">151TA8378</a>
M5/8BSP-MM26x1.5	5/8-14	M26x1.5	16	16	45	14.3	14.3	32	<a href="#">151TA8379</a>
M3/4BSP-MM26x1.5	3/4-14	M26x1.5	16	16	45	16.7	15	32	<a href="#">151TA8380</a>
M3/4BSP-MM30x1.5	3/4-14	M30x1.5	16	16	46	16.7	19	36	<a href="#">151TA8381</a>
M1 BSP-MM30x1.5	1-11	M30x1.5	19	16	49	22.2	19	41	<a href="#">151TA8382</a>



### ADAPTOR - MALE BSP 60° / FEMALE NPT FIX

Description	E BSP	F NPT	L1 mm	LL mm	d1 mm	H mm	REF
M1/8BSP-F1/8NPT	1/8-28	1/8-27	8	23	3.5	16	<a href="#">151TA8386</a>
M1/8BSP-F1/4NPT	1/8-28	1/4-18	8	28	3.5	19	<a href="#">151TA8387</a>
M1/4BSP-F1/4NPT	1/4-19	1/4-18	11	31	4.7	19	<a href="#">151TA8389</a>
M1/4BSP-F3/8NPT	1/4-19	3/8-18	11	33	4.7	22	<a href="#">151TA8390</a>
M3/8BSP-F1/8NPT	3/8-19	1/8-27	12	30	7.9	22	<a href="#">151TA8391</a>
M3/8BSP-F1/4NPT	3/8-19	1/4-18	12	32	7.9	22	<a href="#">151TA8392</a>
M3/8BSP-F3/8NPT	3/8-19	3/8-18	12	34	7.9	22	<a href="#">151TA8393</a>
M1/2BSP-F1/4NPT	1/2-14	1/4-18	14	24	10.7	27	<a href="#">151TA8394</a>
M1/2BSP-F3/8NPT	1/2-14	3/8-18	14	28	10.7	27	<a href="#">151TA8395</a>

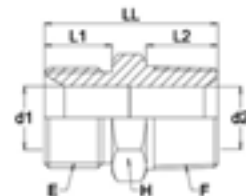


# ADAPTORS TYPE BSP

## ADAPTOR - MALE BSP 60° / FEMALE NPT FIX

Description	E BSP	F NPT	L1 mm	LL mm	d1 mm	H mm	REF
M1/2BSP-F1/2NPT	1/2-14	1/2-14	14	40	11.1	30	<a href="#">151TA8396</a>
M1/2BSP-F3/4NPT	1/2-14	3/4-14	14	42	11.1	30	<a href="#">151TA8397</a>
M3/4BSP-F1/2NPT	3/4-14	1/2-14	16	44	16.7	30	<a href="#">151TA8398</a>
M3/4BSP-F3/4NPT	3/4-14	3/4-14	16	42	16.7	36	<a href="#">151TA8399</a>
M1 BSP-F1 NPT	1-11	1-11.5	20.5	52	23	41	<a href="#">151TA8400</a>
M1 1/4BSP-F1 1/4NPT	1 1/4-11	1 1/4-11.5	20	55	28.6	50	<a href="#">151TA8401</a>

## ADAPTOR - MALE BSP 60° / MALE NPT



Description	E BSP	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8BSP-M1/8NPT	1/8-28	1/8-27	8	9.7	23.5	3.5	3.5	12	<a href="#">151TA8402</a>
M1/8BSP-M1/4NPT	1/8-28	1/4-18	8	14.2	24.6	3.5	4.5	12	<a href="#">151TA8403</a>
M1/8BSP-M3/8NPT	1/8-28	3/8-18	8	14.2	25.4	3.5	4.7	12	<a href="#">151TA8404</a>
M1/8BSP-M1/2NPT	1/8-28	1/2-14	8	19	26	3.5	11.1	14	<a href="#">151TA8405</a>
M1/8BSP-M3/4NPT	1/8-28	3/4-14	8	19	26.5	3.5	14.3	14	<a href="#">151TA8406</a>
M1/4BSP-M1/8NPT	1/4-19	1/8-27	11	9.7	27.5	4.5	3.5	14	<a href="#">151TA8407</a>
M1/4BSP-M1/4NPT	1/4-19	1/4-18	11	14.2	32	4.7	4.5	14	<a href="#">167TA4934</a>
M1/4BSP-M3/8NPT	1/4-19	3/8-18	11	14.2	32.2	4.7	4.7	14	<a href="#">151TA8409</a>
M1/4BSP-M1/2NPT	1/4-19	1/2-14	11	19	32.8	4.7	11.1	14	<a href="#">151TA8410</a>
M1/4BSP-M3/4NPT	1/4-19	3/4-14	11	19	33	4.7	14.3	16	<a href="#">151TA8411</a>
M1/4BSP-M1 NPT	1/4-19	1-11.5	11	23.9	33.3	4.7	16	16	<a href="#">151TA8412</a>
M3/8BSP-M1/8NPT	3/8-19	1/8-27	12	9.7	33.6	7.9	3.5	16	<a href="#">151TA8413</a>
M3/8BSP-M1/4NPT	3/8-19	1/4-18	12	14.2	33.9	7.9	4.5	19	<a href="#">143TA6583</a>
M3/8BSP-M3/8NPT	3/8-19	3/8-18	12	14.2	34	7.9	7.9	19	<a href="#">167TA5094</a>
M3/8BSP-M1/2NPT	3/8-19	1/2-14	12	19	34.5	7.9	11.1	19	<a href="#">151TA8416</a>
M3/8BSP-M3/4NPT	3/8-19	3/4-14	12	19	34.9	7.9	14.3	19	<a href="#">151TA8417</a>
M3/8BSP-M1 NPT	3/8-19	1-11.5	12	23.9	35.2	7.9	16	19	<a href="#">151TA8418</a>
M1/2BSP-M1/8NPT	1/2-14	1/8-27	14	9.7	35.6	11.1	4.5	21	<a href="#">151TA8419</a>
M1/2BSP-M1/4NPT	1/2-14	1/4-18	17	14.2	36	11.1	6	21	<a href="#">151TA8420</a>
M1/2BSP-M3/8NPT	1/2-14	3/8-18	14	14.2	36	11.1	9	21	<a href="#">151TA8421</a>
M1/2BSP-M1/2NPT	1/2-14	1/2-14	14	19	41	11.1	11.1	22	<a href="#">151TA8422</a>
M1/2BSP-M3/4NPT	1/2-14	3/4-14	14	19	46	11.1	14.3	24	<a href="#">151TA8423</a>
M1/2BSP-M1 NPT	1/2-14	1-11.5	14	23.9	48	11.1	21.5	34	<a href="#">167TA4700</a>
M1/2BSP-M1 1/4NPT	1/2-14	1 1/4-11.5	17	24.6	54	11.1	6	19	<a href="#">151TA8425</a>
M5/8BSP-M1/4NPT	5/8-14	1/4-18	16	14.2	36	14.3	9	21	<a href="#">151TA8426</a>
M5/8BSP-M3/8NPT	5/8-14	3/8-18	16	14.2	38	14.3	11.1	24	<a href="#">151TA8427</a>
M5/8BSP-M1/2NPT	5/8-14	1/2-14	16	19	43	14.3	12	24	<a href="#">151TA8428</a>
M5/8BSP-M3/4NPT	5/8-14	3/4-14	16	19	44	14.3	14.3	27	<a href="#">151TA8429</a>
M5/8BSP-M1 NPT	5/8-14	1-11.5	16	23.9	48	14.3	21.5	27	<a href="#">151TA8430</a>
M3/4BSP-M1/8NPT	3/4-14	1/8-27	16	9.7	35.6	16.7	4.5	27	<a href="#">151TA8431</a>
M3/4BSP-M1/4NPT	3/4-14	1/4-18	16	14.2	36	16.7	6	27	<a href="#">151TA8432</a>
M3/4BSP-M3/8NPT	3/4-14	3/8-18	16	14.2	39	16.7	9	27	<a href="#">151TA8433</a>
M3/4BSP-M1/2NPT	3/4-14	1/2-14	16	19	41	16.7	11.1	27	<a href="#">151TA8434</a>
M3/4BSP-M3/4NPT	3/4-14	3/4-14	16	19	44	16.7	16.7	27	<a href="#">167TA5187</a>
M3/4BSP-M1 NPT	3/4-14	1-11.5	16	23.9	48	16.7	21.5	30	<a href="#">151TA8436</a>
M3/4BSP-M1 1/4NPT	3/4-14	1 1/4-11.5	16	24.6	54	16.7	28.5	30	<a href="#">151TA8437</a>
M1 BSP-M1/4NPT	1-11	1/4-18	19	14.2	36	22.2	6	30	<a href="#">151TA8438</a>
M1 BSP-M3/8NPT	1-11	3/8-18	19	14.2	36	22.2	9	30	<a href="#">151TA8439</a>
M1 BSP-M1/2NPT	1-11	1/2-14	19	19	41	22.2	14.3	34	<a href="#">151TA8440</a>
M1 BSP-M3/4NPT	1-11	3/4-14	19	19	48	22.2	16.5	34	<a href="#">151TA8441</a>
M1 BSP-M1 NPT	1-11	1-11.5	19	23.9	54	21.5	21.5	36	<a href="#">151TA8442</a>

### ADAPTOR - MALE BSP 60° / MALE NPT

Description	E BSP	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 BSP-M1 1/4NPT	1-11	1 1/4-11.5	19	24.6	56.5	21.5	28.5	36	<a href="#">151TA8443</a>
M1 BSP-M1 1/2NPT	1-11	1 1/2-11.5	19	25.4	57.5	21.5	35	36	<a href="#">151TA8444</a>
M1 1/4BSP-M1/2NPT	1 1/4-11	1/2-14	20	19	43	28.6	14.3	42	<a href="#">151TA8445</a>
M1 1/4BSP-M3/4NPT	1 1/4-11	3/4-14	20	19	44	28.6	16.5	42	<a href="#">151TA8446</a>
M1 1/4BSP-M1 NPT	1 1/4-11	1-11.5	20	23.9	54	28.6	21.5	42	<a href="#">151TA8447</a>
M1 1/4BSP-M1 1/4NPT	1 1/4-11	1 1/4-11.5	20	24.6	56.5	28.5	28.5	46	<a href="#">167TA5238</a>
M1 1/4BSP-M1 1/2NPT	1 1/4-11	1 1/2-11.5	20	25.4	57.5	28.6	35	50	<a href="#">151TA8449</a>
M1 1/2BSP-M3/4NPT	1 1/2-11	3/4-14	22	19	44	33.3	16.5	50	<a href="#">151TA8450</a>
M1 1/2BSP-M1 NPT	1 1/2-11	1-11.5	22	23.9	48	33.3	21.5	50	<a href="#">151TA8451</a>
M1 1/2BSP-M1 1/4NPT	1 1/2-11	1 1/4-11.5	22	24.6	57.5	33.3	28.5	50	<a href="#">151TA8452</a>
M1 1/2BSP-M1 1/2NPT	1 1/2-11	1 1/2-11.5	22	25.4	59.5	33.3	33.3	50	<a href="#">151TA8453</a>
M1 1/2BSP-M2 NPT	1 1/2-11	2-11.5	22	26.2	63	33.3	46	65	<a href="#">151TA8454</a>
M2 BSP-M3/4NPT	2-11	3/4-14	25	19	63.5	46	16.5	55	<a href="#">151TA8455</a>
M2 BSP-M1 NPT	2-11	1-11.5	25	23.9	64	46	21.5	60	<a href="#">151TA8456</a>
M2 BSP-M1 1/4NPT	2-11	1 1/4-11.5	25	24.6	65	46	28.5	60	<a href="#">151TA8457</a>
M2 BSP-M1 1/2NPT	2-11	1 1/2-11.5	25	25.4	65.5	46	35	60	<a href="#">151TA8458</a>
M2 BSP-M2 NPT	2-11	2-11.5	25	26.2	66	46	46	65	<a href="#">151TA8459</a>

### ADAPTOR - MALE BSP / BRIDE SAE 3000

Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR3 30.1	1/2-14	30.2	<a href="#">151TA8555</a>
M3/4BSP-BR3 38.1	3/4-14	38.1	<a href="#">151TA8556</a>
M1 BSP-BR3 44.5	1-11	44.5	<a href="#">151TA8557</a>
M1 1/4BSP-BR3 50.8	1 1/4-11	50.8	<a href="#">151TA8558</a>
M1 1/2BSP-BR3 60.3	1 1/2-11	60.3	<a href="#">151TA8559</a>
M2 BSP-BR3 71.4	2-11	71.4	<a href="#">151TA8560</a>



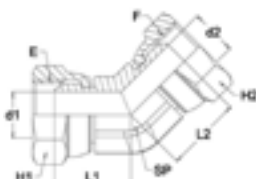
### ADAPTOR - MALE BSP / BRIDE SAE 6000

Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR6 31.8	1/2-14	31.8	<a href="#">151TA8573</a>
M3/4BSP-BR6 41.4	3/4-14	41.4	<a href="#">151TA8574</a>
M1 BSP-BR6 47.8	1-11	47.8	<a href="#">151TA8575</a>
M1 1/4BSP-BR6 54.1	1 1/4-11	54.1	<a href="#">151TA8576</a>
M1 1/2BSP-BR6 63.5	1 1/2-11	63.5	<a href="#">151TA8577</a>
M2 BSP-BR6 79.5	2-11	79.5	<a href="#">151TA8578</a>




# ADAPTORS TYPE BSP

## 45° ADAPTOR - FEMALE SWIVEL BSP / FEMALE SWIVEL BSP



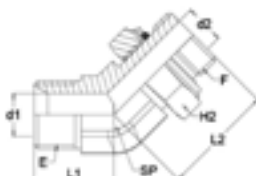
Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	H2 mm	SP	REF
FS1/4BSP-FS1/4BSP 45°	1/4-19	1/4-19	21	21	4.7	4.7	19	19	14	<a href="#">151TA7830</a>
FS3/8BSP-FS3/8BSP 45°	3/8-19	3/8-19	25	25	7.9	7.9	22	22	19	<a href="#">167TA8194</a>
FS1/2BSP-FS1/2BSP 45°	1/2-14	1/2-14	29	29	11.1	11.1	27	27	22	<a href="#">151TA7831</a>
FS5/8BSP-FS5/8BSP 45°	5/8-14	5/8-14	30	30	14.3	14.3	30	30	24	<a href="#">167TA8195</a>
FS3/4BSP-FS3/4BSP 45°	3/4-14	3/4-14	30	30	16.7	16.7	32	32	27	<a href="#">151TA7832</a>
FS1 BSP-FS1 BSP 45°	1-11	1-11	36.5	36.5	22.2	22.2	41	41	33	<a href="#">167TA8196</a>

## 45° ADAPTOR - MALE BSP / MALE BSP



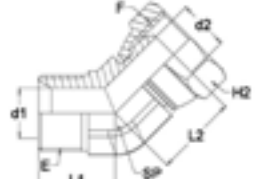
Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/8BSP-M1/8BSP 45°	1/8-28	1/8-28	19	19	3.5	3.5	14	<a href="#">167TA8197</a>
M1/4BSP-M1/4BSP 45°	1/4-19	1/4-19	21	21	4.7	4.7	14	<a href="#">167TA8198</a>
M3/8BSP-M3/8BSP 45°	3/8-19	3/8-19	24	24	7.9	7.9	19	<a href="#">167TA8199</a>
M1/2BSP-M1/2BSP 45°	1/2-14	1/2-14	27	27	11.1	11.1	22	<a href="#">167TA8200</a>
M3/4BSP-M3/4BSP 45°	3/4-14	3/4-14	32	32	16.7	16.7	27	<a href="#">167TA8201</a>
M1 BSP-M1 BSP 45°	1-11	1-11	35	35	22.2	22.2	33	<a href="#">167TA8202</a>

## 45° ADAPTOR - MALE BSP / ADJUSTABLE MALE BSP



Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/4BSP-M1/4BSP OR 45°	1/4-19	1/4-19	21	32	4.7	7.5	19	14	<a href="#">167TA8203</a>
M1/4BSP-M3/8BSP OR 45°	1/4-19	3/8-19	23	34	4.7	9.9	22	19	<a href="#">167TA8204</a>
M3/8BSP-M3/8BSP OR 45°	3/8-19	3/8-19	24	34	7.9	9.9	22	19	<a href="#">167TA8205</a>
M1/2BSP-M1/2BSP OR 45°	1/2-14	1/2-14	27	41	11.1	12.3	27	22	<a href="#">167TA8207</a>
M3/4BSP-M3/4BSP OR 45°	3/4-14	3/4-14	32	44	16.7	15.5	36	27	<a href="#">167TA8209</a>
M1 BSP-M1 BSP OR 45°	1-11	1-11	35	48	22.2	21.5	41	33	<a href="#">167TA8210</a>

## 45° ADAPTOR - MALE BSP / FEMALE SWIVEL BSP



Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/4BSP-FS1/4BSP 45°	1/4-19	1/4-19	21	21	4.7	4.7	19	14	<a href="#">151TA8018</a>
M3/8BSP-FS3/8BSP 45°	3/8-19	3/8-19	24	25	7.9	7.9	22	19	<a href="#">151TA8019</a>
M1/2BSP-FS1/2BSP 45°	1/2-14	1/2-14	27	29	11.1	11.1	27	22	<a href="#">151TA8020</a>
M3/4BSP-FS3/4BSP 45°	3/4-14	3/4-14	32	30	16.7	16.7	32	27	<a href="#">151TA8021</a>
M1 BSP-FS1 BSP 45°	1-11	1-11	35	32	22.2	22.2	41	33	<a href="#">151TA8022</a>
M1 1/4BSP-FS 1 1/4BSP 45°	1 1/4-11	1 1/4-11	37	34	28.6	28.6	50	41	<a href="#">167TA8211</a>

### 45° ADAPTOR - MALE BSP / FEMALE SWIVEL BSP LONG



Description	E BSP	F BSP	REF
M1/4BSP-FS1/4BSP 45° long	1/4-19	1/4-19	<a href="#">151TA8023</a>
M3/8BSP-FS3/8BSP 45° long	3/8-19	3/8-19	<a href="#">151TA8024</a>
M1/2BSP-FS1/2BSP 45° long	1/2-14	1/2-14	<a href="#">151TA8025</a>
M5/8BSP-FS5/8BSP 45° long	5/8-14	5/8-14	<a href="#">151TA8026</a>
M3/4BSP-FS3/4BSP 45° long	3/4-14	3/4-14	<a href="#">151TA8027</a>
M1 BSP-FS1 BSP 45° long	1-11	1-11	<a href="#">151TA8028</a>
M1 1/4BSP-FS1 1/4BSP 45° long	1 1/4-11	1 1/4-11	<a href="#">151TA8029</a>

### 45° ADAPTOR - MALE BSP / BRIDE SAE 3000



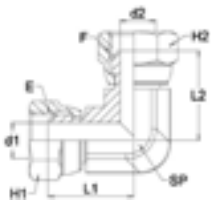
Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR3 30.1 45°	1/2-14	30.1	<a href="#">151TA8561</a>
M3/4BSP-BR3 38.1 45°	3/4-14	38.1	<a href="#">151TA8562</a>
M1 BSP-BR3 44.5 45°	1-11	44.5	<a href="#">151TA8563</a>
M1 1/4BSP-BR3 50.8 45°	1 1/4-11	50.8	<a href="#">151TA8564</a>
M1 1/2BSP-BR3 60.3 45°	1 1/2-11	60.3	<a href="#">151TA8565</a>
M2 BSP-BR3 71.4 45°	2-11	71.4	<a href="#">151TA8566</a>

### 45° ADAPTOR - MALE BSP / BRIDE SAE 6000



Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR6 31.8 45°	1/2-14	31.8	<a href="#">151TA8579</a>
M3/4BSP-BR6 41.4 45°	3/4-14	41.4	<a href="#">151TA8580</a>
M1 BSP-BR6 47.8 45	1-11	47.8	<a href="#">151TA8581</a>
M1 1/4BSP-BR6 54.1 45°	1 1/4-11	54.1	<a href="#">151TA8582</a>
M1 1/2BSP-BR6 63.5 45°	1 1/2-11	63.5	<a href="#">151TA8583</a>
M2 BSP-BR6 79.5 45°	2-11	79.5	<a href="#">151TA8584</a>

### 90° ADAPTOR - FEMALE SWIVEL BSP / FEMALE SWIVEL BSP



Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	H2 mm	SP	REF
FS1/8BSP- FS1/8BSP 90°	1/8-28	1/8-28	20	20	3.5	3.5	14	14	11	<a href="#">151TA7833</a>
FS1/4BSP-FS1/4BSP 90°	1/4-19	1/4-19	26	26	4.7	4.7	19	19	14	<a href="#">167TA5109</a>
FS3/8BSP-FS3/8BSP 90°	3/8-19	3/8-19	30	30	7.9	7.9	22	22	19	<a href="#">167TA5122</a>
FS1/2BSP-FS1/2BSP 90°	1/2-14	1/2-14	35	35	11.1	11.1	27	27	22	<a href="#">151TA7836</a>
FS5/8BSP-FS5/8BSP 90°	5/8-14	5/8-14	38	38	14.3	14.3	30	30	24	<a href="#">151TA7837</a>
FS3/4BSP-FS3/4BSP 90°	3/4-14	3/4-14	42	42	16.7	16.7	32	32	27	<a href="#">151TA7838</a>
FS1 BSP-FS1 BSP 90°	1-11	1-11	44	44	22.2	22.2	41	41	33	<a href="#">151TA7839</a>

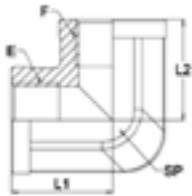
# ADAPTORS TYPE BSP

## 90° ADAPTOR - FEMALE SWIVEL BSP / FEMALE SWIVEL BSP LONG



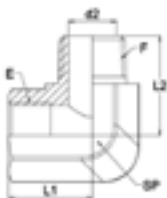
Description	E BSP	F BSP	REF
FS1/4BSP-FS1/4BSP 90° LONG	1/4-19	1/4-19	<a href="#">151TA7840</a>
FS3/8BSP-FS3/8BSP 90° LONG	3/8-19	3/8-19	<a href="#">125TA4675</a>
FS1/2BSP-FS1/2BSP 90° LONG	1/2-14	1/2-14	<a href="#">151TA7842</a>
FS5/8BSP-FS5/8BSP 90° LONG	5/8-14	5/8-14	<a href="#">151TA7843</a>
FS3/4BSP-FS3/4BSP 90° LONG	3/4-14	3/4-14	<a href="#">151TA7844</a>
FS1 BSP-FS1 BSP 90° LONG	1-11	1-11	<a href="#">151TA7845</a>
FS1 1/4BSP-FS1 1/4BSP 90° LONG	1 1/4-11	1 1/4-11	<a href="#">151TA7846</a>
FS1 1/2BSP-FS1 1/2BSP 90° LONG	1 1/2-11	1 1/2-11	<a href="#">151TA7847</a>

## 90° ADAPTOR - FEMALE BSP / FEMALE BSP



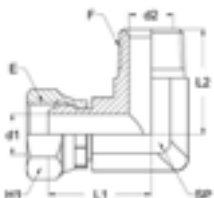
Description	E BSP	F BSP	L1 mm	L2 mm	SP	REF
F1/8BSP- F1/8BSP 90°	1/8-28	1/8-28	17	17	14	<a href="#">167TA8212</a>
F1/4BSP-F1/4BSP 90°	1/4-19	1/4-19	17	17	14	<a href="#">151TA7864</a>
F3/8BSP-F3/8BSP 90°	3/8-19	3/8-19	26	26	22	<a href="#">151TA7865</a>
F1/2BSP-F1/2BSP 90°	1/2-14	1/2-14	32	32	27	<a href="#">151TA7866</a>
F3/4BSP-F3/4BSP 90°	3/4-14	3/4-14	36	36	33	<a href="#">167TA4615</a>
F1 BSP-F1 BSP 90°	1-11	1-11	42	42	41	<a href="#">167TA8213</a>
F1 1/4BSP-F1 1/4BSP 90°	1 1/4-11	1 1/4-11	46	46	50	<a href="#">167TA8214</a>
F1 1/2BSP-F1 1/2BSP 90°	1 1/2-11	1 1/2-11	52	52	60	<a href="#">167TA8215</a>

## 90° ADAPTOR - FEMALE BSP / MALE BSPT



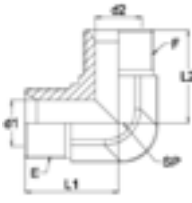
Description	E BSP	F BSPT	L1 mm	L2 mm	d2 mm	SP	REF
F1/4BSP-M1/4BSPT 90°	1/4-19	1/4-19	22	28	7	19	<a href="#">151TA7876</a>
F3/8BSP-M3/8BSPT 90°	3/8-19	3/8-19	26	31	10	22	<a href="#">151TA7877</a>
F1/2BSP-M1/2BSPT 90°	1/2-14	1/2-14	32	37.5	13	27	<a href="#">151TA7878</a>
F3/4BSP-M3/4BSPT 90°	3/4-14	3/4-14	36	43	18	33	<a href="#">151TA7879</a>
F1 BSP-M1 BSPT 90°	1-11	1-11	42	50	24	41	<a href="#">167TA8217</a>

## 90° ADAPTOR - FEMALE SWIVEL BSP / MALE NPT



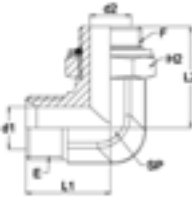
Description	E BSP	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	SP	REF
FS1/8BSP-M1/8NPT 90°	1/8-28	1/8-28	20	20	3.5	3.5	14	11	<a href="#">151TA7890</a>
FS1/4BSP-M1/4NPT 90°	1/4-19	1/4-19	26	26	4.7	4.7	19	14	<a href="#">151TA7891</a>
FS3/8BSP-M3/8NPT 90°	3/8-19	3/8-19	30	30	7.9	7.9	22	19	<a href="#">151TA7892</a>
FS1/2BSP-M1/2NPT 90°	1/2-14	1/2-14	35	35	11.1	11.1	27	22	<a href="#">151TA7893</a>
FS3/4BSP-M3/4NPT 90°	3/4-14	3/4-14	42	42	16.7	16.7	32	27	<a href="#">151TA7894</a>
FS1 BSP-M1 NPT 90°	1-11.5	1-11.5	44	50	20.4	21.5	41	33	<a href="#">151TA7895</a>

### 90° ADAPTOR - MALE BSP / MALE BSP




Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/8BSP -M1/8BSP 90°	1/8-28	1/8-28	20	20	3.5	3.5	11	<a href="#">167TA8218</a>
M1/8BSP-M1/4BSP 90°	1/4-19	1/4-19	20	26	4.7	4.7	14	<a href="#">167TA8219</a>
M1/4BSP-M1/4BSP 90°	1/4-19	1/4-19	26	26	4.7	4.7	14	<a href="#">124TA4285</a>
M1/4BSP-M3/8BSP 90°	3/8-19	3/8-19	26	30	4.7	7.9	14	<a href="#">167TA8220</a>
M3/8BSP-M3/8BSP 90°	3/8-19	3/8-19	30	30	7.9	7.9	19	<a href="#">167TA5059</a>
M3/8BSP-M1/2BSP 90°	3/8-19	3/8-19	33	35	7.9	11.1	22	<a href="#">151TA7956</a>
M1/2BSP-M1/2BSP 90°	1/2-14	1/2-14	35	35	11.1	11.1	22	<a href="#">151TA7957</a>
M5/8BSP-M5/8BSP 90°	5/8-14	5/8-14	38	38	14.3	14.3	24	<a href="#">151TA7958</a>
M3/4BSP-M3/4BSP 90°	3/4-14	3/4-14	42	42	16.7	16.7	27	<a href="#">151TA7959</a>
M3/4BSP-M1 BSP 90°	1-11	1-11	42	47	16.7	22.2	27	<a href="#">167TA8221</a>
M1 BSP-M1 BSP 90°	1-11	1-11	47	47	22.2	22.2	33	<a href="#">151TA7960</a>
M1 1/4BSP-M1 1/4BSP 90°	1 1/4-11	1 1/4-11	52	52	28.6	28.6	41	<a href="#">151TA7961</a>
M1 1/2BSP-M1 1/2BSP 90°	1 1/2-11	1 1/2-11	60	60	33.3	33.3	48	<a href="#">167TA8222</a>
M2 BSP-M2 BSP 90°	2-11	2-11	70	70	46	46	65	<a href="#">167TA8223</a>

### 90° ADAPTOR - MALE BSP / ADJUSTABLE MALE BSP



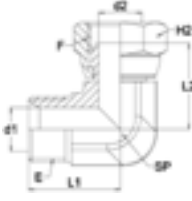
Description	E BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/4BSP-M1/4BSP OR 90°	1/4-19	26	35	4.7	7.5	19	14	<a href="#">167TA5103</a>
M1/4BSP-M3/8BSP OR 90°	1/4-19	29	36	4.7	9.9	22	19	<a href="#">167TA8224</a>
M3/8BSP-M1/4BSP OR 90°	3/8-19	30	36	7.9	7.5	19	19	<a href="#">167TA8225</a>
M3/8BSP-M3/8BSP OR 90°	3/8-19	30	36	7.9	9.9	22	19	<a href="#">167TA5223</a>
M3/8BSP-M1/2BSP OR 90°	3/8-19	33	43	7.9	12.3	27	22	<a href="#">167TA8226</a>
M1/2BSP-M3/8BSP OR 90°	1/2-14	35	36	11.1	12.3	27	22	<a href="#">167TA8227</a>
M1/2BSP-M1/2BSP OR 90°	1/2-14	35	43	11.1	12.3	27	22	<a href="#">167TA4942</a>
M3/4BSP-M3/4BSP OR 90°	3/4-14	42	47	16.7	15.5	36	27	<a href="#">167TA4985</a>
M1 1/4BSP-M1 1/4BSP OR 90°	1-11	46	53	23	21.5	41	33	<a href="#">167TA8228</a>

### 90° ADAPTOR - MALE BSP / MALE BSP LONG



Description	E BSP	F BSP	REF
M1/4BSP -M1/4BSP 90° LONG	1/4-19	1/4-19	<a href="#">151TA7962</a>
M3/8BSP-M3/8BSP 90° LONG	3/8-19	3/8-19	<a href="#">151TA7963</a>
M1/2BSP-M1/2BSP 90° LONG	1/2-14	1/2-14	<a href="#">151TA7964</a>
M3/4BSP-M3/4BSP 90° LONG	3/4-14	3/4-14	<a href="#">151TA7965</a>

### 90° ADAPTOR - MALE BSP / FEMALE SWIVEL BSP



Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/8BSP-FS1/8BSP 90°	1/8-28	1/8-28	20	20	3.5	3.5	14	11	<a href="#">167TA8229</a>
M1/4BSP-FS1/4BSP 90°	1/4-19	1/4-19	26	26	4.7	4.7	19	14	<a href="#">124TA4289</a>
M3/8BSP-FS1/4BSP 90°	3/8-19	1/4-19	30	26	7.9	4.7	20	19	<a href="#">151TA8031</a>
M3/8BSP-FS3/8BSP 90°	3/8-19	3/8-19	30	30	7.9	7.9	22	19	<a href="#">124TA4290</a>
M3/8BSP-FS1/2BSP 90°	3/8-16	1/2-14	30	35	7.9	11.1	24	19	<a href="#">151TA8033</a>
M1/2BSP-FS3/8BSP 90°	1/2-14	3/8-19	35	30	11.1	7.9	24	22	<a href="#">151TA8034</a>
M1/2BSP-FS1/2BSP 90°	1/2-14	1/2-14	35	35	11.1	11.1	27	22	<a href="#">124TA4291</a>

# ADAPTORS TYPE BSP

## 90° ADAPTOR - MALE BSP / FEMALE SWIVEL BSP

Description	E BSP	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/2BSP-FS3/4BSP 90°	1/2-14	3/4-14	35	42	11.1	16.7	28	22	<a href="#">151TA8036</a>
M5/8BSP-FS5/8BSP 90°	5/8-14	5/8-14	38	38	14.3	14.3	30	24	<a href="#">151TA8037</a>
M3/4BSP-FS1/2BSP 90°	3/4-14	1/2-14	42	35	16.7	7.9	31	24	<a href="#">167TA8230</a>
M3/4BSP-FS3/4BSP 90°	3/4-14	3/4-14	42	42	16.7	16.7	32	27	<a href="#">124TA4296</a>
M3/4BSP-FS1 BSP 90°	3/4-14	1-11	42	42	16.7	16.7	32	27	<a href="#">167TA8231</a>
M1 BSP-FS1 BSP 90°	1-11	1-11	42	42	16.7	16.7	32	27	<a href="#">124TA4292</a>
M1 1/4BSP-FS1 1/4BSP 90°	1 1/4-11	1 1/4-11	52	49	28.6	28.6	50	41	<a href="#">151TA8040</a>
M1 1/2BSP-FS1 1/2BSP 90°	1 1/2-11	1 1/2-11	60	61	33.3	33.3	55	48	<a href="#">151TA8041</a>

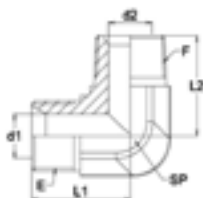
## 90° ADAPTOR - MALE BSP / FEMALE SWIVEL BSP LONG

Description	E BSP	F BSP	REF
M1/4BSP-FS1/4BSP 90° LONG	1/4-19	1/4-19	<a href="#">167TA5151</a>
M3/8BSP-FS3/8BSP 90° LONG	3/8-19	3/8-19	<a href="#">151TA8043</a>
M1/2BSP-FS1/2BSP 90° LONG	1/2-14	1/2-14	<a href="#">151TA8044</a>
M5/8BSP-FS5/8BSP 90° LONG	5/8-14	5/8-14	<a href="#">151TA8045</a>
M3/4BSP-FS3/4BSP 90° LONG	3/4-14	3/4-14	<a href="#">167TA4920</a>
M1 BSP-FS1 BSP 90° LONG	1-11	1-11	<a href="#">167TA5294</a>
M1 1/4BSP-FS1 1/4BSP 90° LONG	1 1/4-11	1 1/4-11	<a href="#">151TA8048</a>



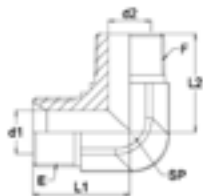
## 90° ADAPTOR - MALE BSP 60° / MALE NPT

Description	E BSP	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/4BSP-M1/4NPT 90°	1/4-19	1/4-18	26	27.7	4.7	6	14	<a href="#">125TA4760</a>
M3/8BSP-M3/8NPT 90°	3/8-19	3/8-18	30	31	7.9	9	19	<a href="#">167TA4634</a>
M1/2BSP-M1/2NPT 90°	1/2-14	1/2-14	35	37.3	11.1	12	22	<a href="#">151TA8462</a>
M3/4BSP-M3/4NPT 90°	3/4-14	3/4-14	42	40.4	16.7	16.5	27	<a href="#">151TA8463</a>

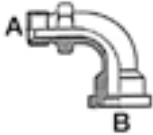


## 90° ADAPTOR - MALE BSP / MALE BSPT

Description	E BSP	F BSPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/4BSP-M1/4BSPT 90°	1/4-19	1/4-19	26	26	3.5	4.5	11	<a href="#">151TA8200</a>
M3/8BSP-M3/8BSPT 90°	3/8-19	3/8-19	30	30	7.5	10	19	<a href="#">151TA8201</a>
M1/2BSP-M1/2BSPT 90°	1/2-14	1/2-14	35	36	11.1	13	22	<a href="#">167TA5256</a>
M1/2BSP-M1/2BSPT 90°	1/2-14	3/4-14	40	43	11.1	18	27	<a href="#">167TA9989</a>
M3/4BSP-M3/4BSPT 90°	3/4-14	3/4-14	42	43	16.7	18	27	<a href="#">151TA8203</a>
M1 BSP-M1 BSPT 90°	1-11	1-11	47	50	22.2	24	33	<a href="#">151TA8204</a>
M1 1/4BSP-M1 1/4BSPT 90°	1 1/4-11	1 1/4-11	52	58	28.6	31	41	<a href="#">151TA8205</a>

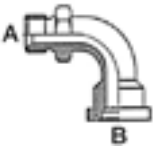


### 90° ADAPTOR - MALE BSP / BRIDE SAE 3000



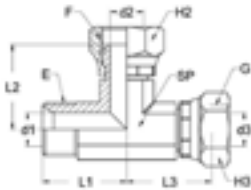
Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR3 30.1 90°	1/2-14	30.1	<a href="#">151TA8567</a>
M3/4BSP-BR3 38.1 90°	3/4-14	38.1	<a href="#">151TA8568</a>
M1 BSP-BR3 44.5 90°	1-11	44.5	<a href="#">151TA8569</a>
M1 1/4BSP-BR3 50.8 90°	1 1/4-11	50.8	<a href="#">151TA8570</a>
M1 1/2BSP-BR3 60.3 90°	1 1/2-11	60.3	<a href="#">151TA8571</a>
M2 BSP-BR3 71.4 90°	2-11	71.4	<a href="#">151TA8572</a>

### 90° ADAPTOR - MALE BSP / BRIDE SAE 6000



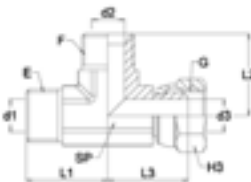
Description	A BSP	B SAE (mm)	REF
M1/2BSP-BR6 31.8 90°	1/2-14	31.8	<a href="#">151TA8585</a>
M3/4BSP-BR6 41.4 90°	3/4-14	41.4	<a href="#">151TA8586</a>
M1 BSP-BR6 47.8 90°	1-11	47.8	<a href="#">151TA8587</a>
M1 1/4BSP-BR6 54.1 90°	1 1/4-11	54.1	<a href="#">151TA8588</a>
M1 1/2BSP-BR6 63.5 90°	1 1/2-11	63.5	<a href="#">151TA8589</a>
M2 BSP-BR6 79.5 90°	2-11	79.5	<a href="#">151TA8590</a>

### L ADAPTOR - MALE BSP 60° / FEMALE SWIVEL BSP / FEMALE SWIVEL BSP



Description	E BSP	F BSP	G BSP	L1 mm	d1 mm	H2 mm	H3 mm	SP	REF
M1/4BSP-FS1/4BSP-FS1/4BSP	1/4-19	1/4-19	1/4-19	26	4.7	19	19	14	<a href="#">167TA5291</a>
M3/8BSP-FS3/8BSP-FS3/8BSP	3/8-19	3/8-19	3/8-19	30	7.9	22	22	19	<a href="#">167TA4690</a>
M1/2BSP-FS1/2BSP-FS1/2BSP	1/2-14	1/2-14	1/2-14	35	11.1	27	27	22	<a href="#">151TA8482</a>
M3/4BSP-FS3/4BSP-FS3/4BSP	3/4-14	3/4-14	3/4-14	42	16.7	32	32	27	<a href="#">167TA8232</a>
M1 BSP-FS1 BSP-FS1 BSP	1-11	1-11	1-11	47	22.2	41	41	33	<a href="#">167TA8233</a>

### L ADAPTOR - MALE BSP 60° / MALE BSP 60° / FEMALE SWIVEL BSP



Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	H3 mm	REF
M1/8BSP-M1/8BSP-FS1/8BSP	1/8-28	1/8-28	1/8-28	20	20	20	14	<a href="#">167TA8234</a>
M1/4BSP-M1/4BSP-FS1/4BSP	1/4-19	1/4-19	1/4-19	26	26	26	19	<a href="#">151TA8483</a>
M3/8BSP-M3/8BSP-FS3/8BSP	3/8-19	3/8-19	3/8-19	30	30	30	22	<a href="#">167TA5161</a>
M1/2BSP-M1/2BSP-FS1/2	1/2-14	1/2-14	1/2-14	35	35	35	27	<a href="#">151TA8487</a>
M5/8BSP-M5/8BSP-FS5/8BSP	5/8-14	5/8-14	5/8-14	38	38	38	30	<a href="#">151TA8488</a>
M3/4BSP-M3/4BSP-FS3/4BSP	3/4-14	3/4-14	3/4-14	42	42	42	32	<a href="#">125TA4664</a>
M1 BSP-M1 BSP-M1/4 BSP	1-11	1/4-19	1-11	47	47	26	36	<a href="#">151TA8490</a>
M1 BSP-M1 BSP-M1 BSP	1-11	1-11	1-11	47	47	44	41	<a href="#">151TA8491</a>
M1 1/4BSP-M1 1/4BSP-M1 1/4BSP	1 1/4-11	1 1/4-11	1 1/4-11	52	52	49	50	<a href="#">151TA8492</a>
M1 1/2BSP-M1 1/2BSP-M1 1/2BSP	1 1/2-11	1 1/2-11	1 1/2-11	60	60	63	55	<a href="#">151TA8493</a>

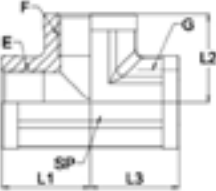
# ADAPTORS TYPE BSP

## T ADAPTOR - FEMALE SWIVEL BSP / FEMALE SWIVEL BSP / FEMALE SWIVEL BSP



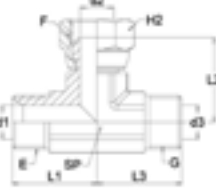
Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	H mm	H1 mm	H2 mm	REF
FS1/8BSP-FS1/8BSP-FS1/8BSP	1/8-28	1/8-28	1/8-28	20	20	20	14	14	14	<a href="#">167TA8235</a>
FS1/4BSP-FS1/4BSP-FS1/4BSP	1/4-19	1/4-19	1/4-19	26	26	26	19	19	19	<a href="#">167TA4802</a>
FS3/8BSP-FS3/8BSP-FS3/8BSP	3/8-19	3/8-19	3/8-19	30	30	30	22	22	22	<a href="#">125TA4679</a>
FS1/2BSP-FS1/2BSP-FS1/2BSP	1/2-14	1/2-14	1/2-14	35	35	35	27	27	27	<a href="#">167TA4743</a>
FS5/8BSP-FS5/8BSP-FS5/8BSP	5/8-14	5/8-14	5/8-14	38	38	38	30	30	30	<a href="#">151TA8467</a>
FS3/4BSP-FS3/4BSP-FS3/4BSP	3/4-14	3/4-14	3/4-14	42	42	42	32	32	32	<a href="#">151TA8468</a>
FS1 BSP-FS1 BSP-FS1 BSP	1-11	1-11	1-11	44	44	44	41	41	41	<a href="#">151TA8469</a>
FS1 1/4BSP-FS1 1/4BSP-FS1 1/4BSP	1 1/4-11	1 1/4-11	1 1/4-11	49	49	49	50	50	50	<a href="#">151TA8470</a>
FS1 1/2BSP-FS1 1/2BSP-FS1 1/2BSP	1 1/2-11	1 1/2-11	1 1/2-11	61	61	61	55	55	55	<a href="#">167TA8236</a>

## T ADAPTOR - FEMALE BSP / FEMALE BSP / FEMALE BSP



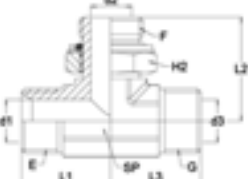
Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	SP	REF
F1/8BSP-F1/8BSP-F1/8BSP	1/8-28	1/8-28	1/8-28	17	17	17	14	<a href="#">151TA8471</a>
F1/4BSP-F1/4BSP-F1/4BSP	1/4-19	1/4-19	1/4-19	22	22	22	19	<a href="#">151TA8472</a>
F3/8BSP-F3/8BSP-F3/8BSP	3/8-19	3/8-19	3/8-19	26	26	26	22	<a href="#">167TA4737</a>
F1/2BSP-F1/2BSP-F1/2BSP	1/2-14	1/2-14	1/2-14	32	32	32	27	<a href="#">167TA4847</a>
F5/8BSP-F5/8BSP-F5/8BSP	5/8-14	5/8-14	5/8-14	33	33	33	30	<a href="#">151TA8475</a>
F3/4BSP-F3/4BSP-F3/4BSP	3/4-14	3/4-14	3/4-14	36	36	36	33	<a href="#">151TA8476</a>
F1 BSP-F1 BSP-F1 8BSP	1-11	1-11	1-11	42	42	42	41	<a href="#">151TA8477</a>
F1 1/4BSP-F1 1/4BSP-F1 1/4BSP	1 1/4-11	1 1/4-11	1 1/4-11	52	52	52	50	<a href="#">151TA8478</a>
F1 1/2BSP-F1 1/2BSP-F1 1/2BSP	1 1/2-11	1 1/2-11	1 1/2-11	60	60	60	60	<a href="#">151TA8479</a>
F2 BSP-F2 BSP-F2 8BSP	2-11	2-11	2-11	60	60	60	70	<a href="#">167TA8237</a>

## T ADAPTOR - MALE BSP 60° / FEMALE SWIVEL BSP / MALE BSP 60°



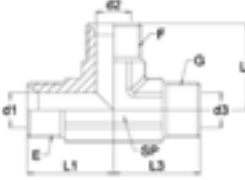
Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M1/8BSP-FS1/8BSP-M1/8BSP	1/8-28	1/8-28	1/8-28	20	20	20	14	11	<a href="#">167TA8238</a>
M1/4BSP-FS1/4BSP-M1/4BSP	1/4-19	1/4-19	1/4-19	26	26	26	19	14	<a href="#">124TA4294</a>
M3/8BSP-FS3/8BSP-M3/8BSP	3/8-19	3/8-19	3/8-19	30	30	30	22	19	<a href="#">167TA5260</a>
M1/2BSP-FS1/2BSP-M1/2BSP	1/2-14	1/2-14	1/2-14	35	35	35	27	22	<a href="#">151TA8496</a>
M5/8BSP-FS5/8BSP-M5/8BSP	5/8-14	5/8-14	5/8-14	38	38	38	30	24	<a href="#">151TA8497</a>
M3/4BSP-FS3/4BSP-M3/4BSP	3/4-14	3/4-14	3/4-14	42	44	42	32	27	<a href="#">167TA4717</a>
M1 BSP-FS1 BSP-M1 BSP	1-11	1-11	1-11	47	49	47	41	33	<a href="#">151TA8499</a>

## T ADAPTOR - MALE BSP / ADJUSTABLE MALE BSP / MALE BSP



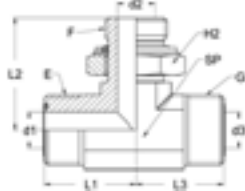
Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M1/8BSP-M1/8BSP OR-M1/8BSP	1/8-28	1/8-28	1/8-28	20	26	20	14	11	<a href="#">167TA8239</a>
M1/4BSP-M1/4BSP OR-M1/4BSP	1/4-19	1/4-19	1/4-19	26	35	26	19	14	<a href="#">167TA8240</a>
M3/8BSP-M3/8BSP OR-M3/8BSP	3/8-19	3/8-19	3/8-19	30	36	30	22	19	<a href="#">167TA8241</a>
M1/2BSP-M1/2BSP OR-M1/2BSP	1/2-14	1/2-14	1/2-14	35	43	35	27	22	<a href="#">167TA8242</a>
M3/4BSP-M3/4BSP OR-M3/4BSP	3/4-14	3/4-14	3/4-14	42	47	42	36	27	<a href="#">167TA8243</a>
M1 BSP-M1 BSP OR-M1 BSP	1-11	1-11	1-11	47	54	47	41	33	<a href="#">167TA8244</a>

### T ADAPTOR - MALE BSP 60° / MALE BSP 60° / MALE BSP 60°




Description	E BSP	F BSP	G BSP	L1 mm	L2 mm	L3 mm	SP	REF
M1/8BSP-M1/8BSP-M1/8BSP	1/8-28	1/8-28	1/8-28	20	20	20	11	<a href="#">151TA8500</a>
M1/4BSP-M1/4BSP-M1/4BSP	1/4-19	1/4-19	1/4-19	26	26	26	14	<a href="#">167TA4741</a>
M3/8BSP-M3/8BSP-M3/8BSP	3/8-19	3/8-19	3/8-19	30	30	30	19	<a href="#">167TA4748</a>
M1/2BSP-M1/2BSP-M3/8BSP	1/2-14	1/2-14	3/8-19	35	35	33	22	<a href="#">151TA8504</a>
M1/2BSP-M1/2BSP-M1/2BSP	1/2-14	1/2-14	1/2-14	35	35	35	22	<a href="#">151TA8505</a>
M5/8BSP-M5/8BSP-M5/8BSP	5/8-14	5/8-14	5/8-14	38	38	38	24	<a href="#">151TA8506</a>
M3/4BSP-M3/4BSP-M3/4BSP	3/4-14	3/4-14	3/4-14	42	42	42	27	<a href="#">167TA4893</a>
M1 BSP-M1BSP-M1/4BSP	1-11	1/4-19	1-11	47	47	26	36	<a href="#">151TA8508</a>
M1 BSP-M1BSP-M3/4 BSP	1-11	1-11	3/4-14	47	47	44	33	<a href="#">151TA8509</a>
M1 BSP-M1 BSP-M1 BSP	1-11	1-11	1-11	47	47	47	33	<a href="#">167TA5129</a>
M1 1/4BSP-M1 1/4BSP-M1 1/4BSP	1 1/4-11	1 1/4-11	1 1/4-11	52	52	52	41	<a href="#">167TA8245</a>
M1 1/2BSP-M1 1/2BSP-M1 1/2BSP	1 1/2-11	1 1/2-11	1 1/2-11	60	60	60	48	<a href="#">167TA8246</a>
M2 BSP-M2 BSP-M2 BSP	2-11	2-11	2-11	70	70	70	65	<a href="#">167TA8247</a>

### T ADAPTOR - MALE ORFS / ADJUSTABLE MALE BSP / MALE ORFS



Description	E ORFS	F BSP	G ORFS	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M9/16ORFS-M1/8BSP OR-M9/16ORFS	9/16-18	1/8-28	9/16-18	22.5	26.5	22.5	14	14	<a href="#">151TA8524</a>
M9/16ORFS-M1/4BSP OR-M9/16ORFS	9/16-18	1/4-19	9/16-18	22.5	32	22.5	19	14	<a href="#">151TA8525</a>
M11/16ORFS-M1/4BSP OR-M11/16ORFS	11/16-16	1/4-19	11/16-16	26	32	26	19	19	<a href="#">151TA8526</a>
M11/16ORFS-M3/8BSP OR-M11/16ORFS	11/16-16	3/8-19	11/16-16	26	37	26	22	19	<a href="#">167TA4950</a>
M13/16ORFS-M3/8BSP OR-M13/16ORFS	13/16-16	3/8-19	13/16-16	29	37	29	22	19	<a href="#">167TA5296</a>
M13/16ORFS-M1/2BSP OR-M13/16ORFS	13/16-16	1/2-14	13/16-16	29	43	29	27	22	<a href="#">167TA4961</a>
M1 ORFS-M1/2BSP OR-M1 ORFS	1-14	1/2-14	1-14	34.5	43	34.5	27	27	<a href="#">151TA8530</a>
M1 ORFS-M3/4BSP OR-M1 ORFS	1-14	3/4-14	1-14	34.5	49.5	34.5	36	27	<a href="#">151TA8531</a>
M1 3/16ORFS-M3/4BSP OR-M1 3/16ORFS	1 3/16-12	3/4-14	1 3/16-12	38.5	49.5	38.5	36	30	<a href="#">151TA8532</a>
M1 7/16ORFS-M1 BSP OR-M1 7/16ORFS	1 7/16-12	1-11	1 7/16-12	42.5	52	42.5	41	36	<a href="#">151TA8533</a>
M1 11/16ORFS-M1 1/4BSP OR-M1 11/16ORFS	1 11/16-12	1 1/4-11	1 11/16-12	45.5	57	45.5	50	41	<a href="#">151TA8534</a>
M2 ORFS-M1 1/2BSP OR-M2 ORFS	2-12	1 1/2-11	2-12	49.5	60.5	49.5	55	48	<a href="#">151TA8535</a>


### NUT - BSP BULKHEAD



Description	E BSP	L mm	H mm	REF
NUT 1/8BSP BL	1/8-28	5.5	14	<a href="#">151TA7973</a>
NUT 1/4BSP BL	1/4-19	6.5	19	<a href="#">161TA4758</a>
NUT 3/8BSP BL	3/8-19	7	22	<a href="#">167TA4842</a>
NUT 1/2BSP BL	1/2-14	9	27	<a href="#">167TA5073</a>
NUT 5/8BSP BL	5/8-14	9	30	<a href="#">151TA7977</a>
NUT 3/4BSP BL	3/4-14	10.5	32	<a href="#">151TA7978</a>
NUT 1BSP BL	1-11	10.5	41	<a href="#">151TA7979</a>
NUT 1 1/4BSP BL	1 1/4-11	10.5	50	<a href="#">151TA7980</a>
NUT 1 1/2BSP BL	1 1/2-11	10.5	55	<a href="#">151TA7981</a>
NUT 2BSP BL	2-11	10.5	70	<a href="#">167TA8248</a>

# ADAPTORS TYPE BSP

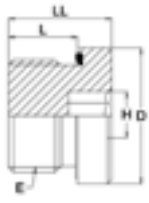
## PLUG - FEMALE BSP

	Description	E BSP	LL mm	D mm	H mm	REF
	BF1/8BSP	1/8-28	12	3.5	14	<a href="#">167TA5081</a>
	BF1/4BSP	1/4-19	13.5	4.7	19	<a href="#">167TA4913</a>
	BF3/8BSP	3/8-19	15.5	7.9	22	<a href="#">167TA4932</a>
	BF1/2BSP	1/2-14	19	11.1	27	<a href="#">167TA5105</a>
	BF5/8BSP	5/8-14	18.5	14.3	30	<a href="#">167TA4979</a>
	BF3/4BSP	3/4-14	22	16.7	32	<a href="#">167TA4952</a>
	BF1 BSP	1-11	23.5	22.2	41	<a href="#">151TA8542</a>
	BF1 1/4BSP	1 1/4-11	26.5	28.6	50	<a href="#">167TA4873</a>
	BF1 1/2BSP	1 1/2-11	28	33.3	55	<a href="#">151TA8544</a>
	BF2 BSP	2-11	29	46	70	<a href="#">167TA8249</a>

## PLUG - MALE BSP

	Description	E BSP	L mm	LL mm	D mm	H mm	REF
	BM1/8BSP HEX	1/8-28	8	16	3.5	14	<a href="#">167TA4866</a>
	BM1/4BSP HEX	1/4-19	11	20	4.7	19	<a href="#">125TA4650</a>
	BM3/8BSP HEX	3/8-19	12	21	7.9	22	<a href="#">129TA8761</a>
	BM1/2BSP HEX	1/2-14	14	24	11.1	29	<a href="#">124TA4286</a>
	BM5/8BSP HEX	5/8-14	16	26	14.3	30	<a href="#">167TA5120</a>
	BM3/4BSP HEX	3/4-14	16	26	16.7	32	<a href="#">167TA4956</a>
	BM1 BSP HEX	1-11	19	30	22.2	41	<a href="#">151TA8551</a>
	BM1 1/4BSP HEX	1 1/4-11	20	33	28.6	50	<a href="#">167TA4894</a>
	BM1 1/2BSP HEX	1 1/2-11	22	38	33.3	55	<a href="#">167TA4880</a>
	BM2 BSP HEX	2-11	25	44	46	70	<a href="#">151TA8554</a>

## PLUG - MALE BSP COUNTERSUNK HEXAGON + O-RING

	Description	E BSP	L mm	LL mm	D mm	H mm	REF
	BM1/8BSP ED UMB	1/8-28	8	12.3	14	5	<a href="#">152TA2683</a>
	BM1/4BSP ED UMB	1/4-19	12	17.3	19	6	<a href="#">163TA8231</a>
	BM3/8BSP ED UMB	3/8-19	12	17.3	22	8	<a href="#">152TA2678</a>
	BM1/2BSP ED UMB	1/2-14	14	19.3	27	10	<a href="#">152TA2679</a>
	BM3/4BSP ED UMB	3/4-14	16	21.3	32	12	<a href="#">167TA8250</a>
	BM1 BSP ED UMB	1-11	16	22.8	40	17	<a href="#">152TA2676</a>
	BM1 1/4BSP ED UMB	1 1/4-11	20	22.8	50	22	<a href="#">167TA8251</a>
	BM1 1/2BSP ED UMB	1 1/2-11	22	22.8	55	24	<a href="#">167TA8252</a>

## PLUG - MALE BSP COUNTERSUNK HEXAGON

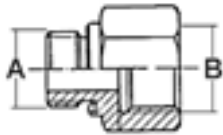
	Description	E BSP	L mm	LL mm	D mm	H mm	REF
	BM1/8BSP UMB	1/8-28	8	11	14	5	<a href="#">167TA8253</a>
	BM1/4BSP UMB	1/4-19	12	15	18	6	<a href="#">167TA8254</a>
	BM3/8BSP UMB	3/8-19	12	15	22	8	<a href="#">167TA8255</a>
	BM1/2BSP UMB	1/2-14	14	18	26	10	<a href="#">167TA8256</a>
	BM3/4BSP UMB	3/4-14	16	20	32	12	<a href="#">163TA8232</a>
	BM1 BSP UMB	1-11	16	21	39	17	<a href="#">167TA8257</a>
	BM1 1/4BSP UMB	1 1/4-11	16	21	49	22	<a href="#">167TA8258</a>
	BM1 1/2BSP UMB	1 1/2-11	16	21.5	55	24	<a href="#">167TA8259</a>
	BM2 BSP UMB	2-11	19.5	24.5	67.5	32	<a href="#">167TA8260</a>

  
**NOTES**

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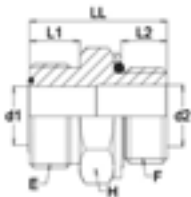
# ADAPTORS TYPE GAS

## ADAPTOR - MALE BSP CAPTIVE SEAL / FEMALE BSP



Description	A GAS	B BSP	REF
M1/8BSP ED-F1/4BSP	1/8-28	1/4-19	<a href="#">167TA5248</a>
M1/8BSP ED-F3/8BSP	1/8-28	3/8-19	<a href="#">167TA4825</a>
M1/4BSP ED-F1/8BSP	1/4-19	1/8-28	<a href="#">167TA4629</a>
M1/4BSP ED-F3/8BSP	1/4-19	3/8-19	<a href="#">167TA5181</a>
M1/4BSP ED-F1/2BSP	1/4-19	1/2-14	<a href="#">167TA4796</a>
M1/4BSP ED-F3/4BSP	1/4-19	3/4-14	<a href="#">167TA4714</a>
M3/8BSP ED-F1/8BSP	3/8-19	1/8-28	<a href="#">151TA8121</a>
M3/8BSP ED-F1/4BSP	3/8-19	1/4-19	<a href="#">167TA4810</a>
M3/8BSP ED-F1/2BSP	3/8-19	1/2-14	<a href="#">167TA4754</a>
M3/8BSP ED-F3/4BSP	3/8-19	3/4-14	<a href="#">167TA4604</a>
M1/2BSP ED-F1/8BSP	1/2-14	1/8-28	<a href="#">151TA8122</a>
M1/2BSP ED-F1/4BSP	1/2-14	1/4-19	<a href="#">167TA5098</a>
M1/2BSP ED-F3/8BSP	1/2-14	3/8-19	<a href="#">167TA5027</a>
M1/2BSP ED-F3/4BSP	1/2-14	3/4-14	<a href="#">167TA4726</a>
M1/2BSP ED-F1 1/4BSP	1/2-14	1-11	<a href="#">167TA4790</a>
M1/2BSP ED-F1 BSP	1/2-14	1 1/4-11	<a href="#">167TA4812</a>
M3/4BSP ED-F1/4BSP	3/4-14	1/4-19	<a href="#">167TA4841</a>
M3/4BSP ED-F3/8BSP	3/4-14	3/8-19	<a href="#">167TA4912</a>
M3/4BSP ED-F1/2BSP	3/4-14	1/2-14	<a href="#">167TA5079</a>
M3/4BSP ED-F1 BSP	3/4-14	1-11	<a href="#">167TA4709</a>
M3/4BSP ED-F1 1/4BSP	3/4-14	1 1/4-11	<a href="#">167TA4640</a>
M3/4BSP ED-F1 1/2BSP	3/4-14	1 1/2-11	<a href="#">167TA4674</a>
M1 BSP ED-F1/4BSP	1-11	1/4-19	<a href="#">167TA4622</a>
M1 BSP ED-F1/2BSP	1-11	3/8-19	<a href="#">167TA4603</a>
M1 BSP ED-F1/2BSP	1-11	1/2-14	<a href="#">167TA5116</a>
M1 BSP ED-F3/4BSP	1-11	3/4-14	<a href="#">167TA5300</a>
M1 BSP ED-F1 1/4BSP	1-11	1 1/4-11	<a href="#">167TA4706</a>
M1 BSP ED-F1 1/2BSP	1-11	1 1/2-11	<a href="#">167TA4851</a>
M1 1/4BSP ED-F1/2BSP	1 1/4-11	1/2-14	<a href="#">167TA4761</a>
M1 1/4BSP ED-F3/4BSP	1 1/4-11	3/4-14	<a href="#">167TA4974</a>
M1 1/4BSP ED-F1 BSP	1 1/4-11	1-11	<a href="#">167TA5232</a>
M1 1/4BSP ED-F1 1/2BSP	1 1/4-11	1 1/2-11	<a href="#">167TA4845</a>
M1 1/2BSP ED-F1/2BSP	1 1/2-11	1/2-14	<a href="#">167TA4756</a>
M1 1/2BSP ED-F3/4BSP	1 1/2-11	3/4-14	<a href="#">167TA4739</a>
M1 1/2BSP ED-F1 BSP	1 1/2-11	1-11	<a href="#">167TA4780</a>
M1 1/2BSP ED-F1 1/4BSP	1 1/2-11	1 1/4-11	<a href="#">167TA4694</a>

## ADAPTOR - MALE ORFS / MALE BSP + RETAINING RING

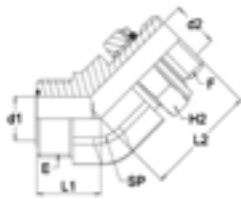


Description	E ORFS	F GAS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M1/8BSP	9/16-18	1/8-28	9.8	7.6	25.4	4.5	4.5	17	<a href="#">167TA5149</a>
M9/16ORFS-M1/4BSP	9/16-18	1/4-19	9.8	11.2	29.7	4.5	4.5	19	<a href="#">155TA3588</a>
M9/16ORFS-M3/8BSP	9/16-18	3/8-19	9.8	11.2	30.8	4.5	8	22	<a href="#">124TA4438</a>
M9/16ORFS-M1/2BSP	9/16-18	1/2-14	9.8	11.2	31	6	12	30	<a href="#">167TA8177</a>
M11/16ORFS-M1/4BSP	11/16-16	1/4-19	11.2	11.2	31.1	6.5	5	19	<a href="#">124TA4441</a>
M11/16ORFS-M3/8BSP	11/16-16	3/8-19	11.2	11.2	32.2	6.5	8	22	<a href="#">167TA5125</a>
M11/16ORFS-M1/2BSP	11/16-16	1/2-14	11.2	14.5	38.8	6.5	12	30	<a href="#">124TA4443</a>
M13/16ORFS-M3/8BSP	13/16-16	3/8-19	12.8	11.2	33.8	9.5	8	22	<a href="#">155TA3589</a>
M13/16ORFS-M1/2BSP	13/16-16	1/2-14	12.8	14.5	40.4	9.8	12	30	<a href="#">167TA5049</a>
M13/16ORFS-M3/4BSP	13/16-16	3/4-14	12.8	14.5	41.1	11.1	12	30	<a href="#">167TA8178</a>
M1 ORFS-M1/2BSP	1-14	1/2-14	15.5	14.5	43.1	12.5	12.5	30	<a href="#">151TA8297</a>

### ADAPTOR - MALE ORFS / MALE BSP + RETAINING RING

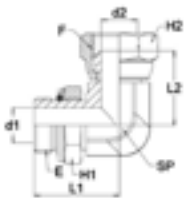
Description	E ORFS	F GAS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 ORFS-M3/4BSP	1-14	3/4-14	15.5	14.5	43.5	14.3	14.3	36	<a href="#">167TA8179</a>
M1 3/16ORFS-M1/2BSP	1 3/16-12	1/2-14	17	14.5	45	15	15	36	<a href="#">167TA8180</a>
M1 3/16ORFS-M3/4BSP	1 3/16-12	3/4-14	17	14.5	45.5	15.5	15.5	36	<a href="#">124TA4453</a>
M1 3/16ORFS-M1 BSP	1 3/16-12	1-11	17.3	15.7	46.8	15.5	20	41	<a href="#">167TA8181</a>
M1 7/16ORFS-M3/4BSP	1 7/16-12	3/4-14	17.5	15.7	48	16.5	16.5	41	<a href="#">167TA8182</a>
M1 7/16ORFS-M1 BSP	1 7/16-12	1-11	17.5	15.7	48	16.5	16.5	41	<a href="#">167TA8183</a>
M1 7/16ORFS-M1 1/4BSP	1 7/16-12	1 1/2-11	17.5	18.6	48	17.5	17.5	41	<a href="#">167TA8184</a>
M1 11/16ORFS-M1 BSP	1 11/16-12	1-11	17.5	18.6	50.4	20	20	41	<a href="#">124TA4458</a>
M1 11/16ORFS-M1 1/4BSP	1 11/16-12	1 1/4-11	17.5	18.6	52.4	25	25	50	<a href="#">151TA8299</a>
M2 ORFS-M1 1/2BSP	2-12	1 1/2-11	17.5	18.6	54.2	32	32	55	<a href="#">151TA8300</a>

### 45° ADAPTOR - MALE ORFS / ADJUSTABLE MALE BSP



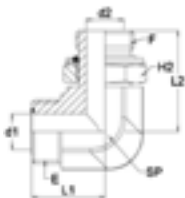
Description	E UNF	F GAS	L1 mm	L2 mm	LL mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M1/8BSP OR 45°	9/16-18	1/8	18.3	24.8	4.3	4.4	14	14	<a href="#">151TA8301</a>
M9/16ORFS-M1/4BSP OR 45°	9/16-18	1/4	18.3	27	4.3	5.9	19	14	<a href="#">167TA5302</a>
M11/16ORFS-M1/4BSP OR 45°	11/16-16	1/4	20.5	28	6.7	5.9	19	19	<a href="#">151TA8303</a>
M11/16 ORFS-M3/8BSP OR 45°	11/16-16	3/8	20.5	31	6.5	9.9	22	19	<a href="#">167TA5162</a>
M11/16 ORFS-M1/2BSP OR 45°	11/16-16	1/2	18.8	38.5	6.5	12	27	22	<a href="#">151TA8305</a>
M13/16ORFS-M3/8BSP OR 45°	13/16-16	3/8	24	32	9.8	9.8	22	22	<a href="#">151TA8306</a>
M1 ORFS-M1/2BSP OR 45°	1-14	1/2	23.4	38.5	12.5	12.5	27	27	<a href="#">151TA8307</a>
M1 ORFS-M3/4BSP OR 45°	1-14	3/4	28	42	12	12	32	27	<a href="#">167TA5025</a>
M1 3/16ORFS-M3/4BSP OR 45°	1 3/16-12	3/4	30.7	42.5	15.5	15.5	32	30	<a href="#">151TA8309</a>
M1 3/16ORFS-M1 BSP OR 45°	1 3/16-12	1	31.5	44	15.5	15.5	41	33	<a href="#">151TA8310</a>
M1 7/16ORFS-M1 BSP OR 45°	1 7/16-12	1	33	44.5	20.5	20.5	41	36	<a href="#">151TA8311</a>
M1 11/16ORFS-M1 1/4BSP OR 45°	1 11/16-12	1 1/4	35.5	47.5	26	26	50	41	<a href="#">151TA8312</a>
M2 ORFS-M1 1/2BSP OR 45°	2-12	1 1/2	37	53.5	32	32	60	47.5	<a href="#">151TA8313</a>

### 90° ADAPTOR - ADJUSTABLE MALE BSP / FEMALE SWIVEL BSP



Description	E GAS	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	H2 mm	SP	REF
M1/4BSP OR-FS1/4BSP	1/4-19	1/4-19	31.5	23	7.5	4.7	19	19	14	<a href="#">151TA7868</a>
M3/8BSP OR-FS3/8BSP	3/8-19	3/8-19	35.8	26	9.9	7.9	19	19	16	<a href="#">151TA7869</a>
M1/2BSP OR-FS1/2BSP	1/2-14	1/2-14	43.2	31.5	12.3	11.1	27	27	22	<a href="#">151TA7870</a>
M3/4BSP OR-FS3/4BSP	3/4-14	3/4-14	49.3	40.3	15.5	16.7	32	32	27	<a href="#">151TA7871</a>
M1 BSP OR-FS1 BSP	1-11	1-11	53	44.5	21.5	22.2	41	41	33	<a href="#">151TA7872</a>

### 90° ADAPTOR - MALE ORFS / ADJUSTABLE MALE BSP



Description	E UNF	F GAS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M1/8BSP OR 90°	9/16-18	1/8	21.5	26.5	4.5	4.4	14	14	<a href="#">151TA8314</a>
M9/16ORFS-M1/4BSP OR 90°	9/16-18	1/4	21.5	32	4.5	5	19	14	<a href="#">155TA2032</a>
M9/16ORFS-M3/8BSP OR 90°	9/16-18	3/8	24.7	37	4.5	8	22	19	<a href="#">151TA8316</a>
M11/16ORFS-M1/4BSP OR 90°	11/16-16	1/4	25	37	6.5	5	19	19	<a href="#">167TA5244</a>
M11/16ORFS-M3/8BSP OR 90°	11/16-16	3/8	26.5	37	6.5	8	22	19	<a href="#">167TA5152</a>
M11/16ORFS-M1/2BSP OR 90°	11/16-16	1/2	29.2	43	6.5	12.3	27	22	<a href="#">167TA5141</a>
M13/16ORFS-M1/4BSP OR 90°	13/16-16	1/4	28	37	9.5	5	19	19	<a href="#">151TA8320</a>

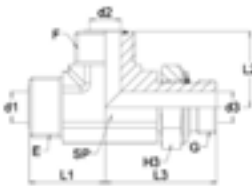
# ADAPTORS TYPE GAS

## 90° ADAPTOR - MALE ORFS / ADJUSTABLE MALE BSP

Description	E UNF	F GAS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M13/16ORFS-M3/8BSP OR 90°	13/16-16	3/8	28	37	9.5	8	22	19	<a href="#">154TA8759</a>
M13/16ORFS-M1/2BSP OR 90°	13/16-16	1/2	30.8	43	9.5	8	27	22	<a href="#">167TA4733</a>
M1 ORFS-M3/8BSP OR 90°	1-14	3/8	33.3	43	12.5	8	22	27	<a href="#">151TA8323</a>
M1 ORFS-M1/2BSP OR 90°	1-14	1/2	33.3	49.5	12.5	12	27	27	<a href="#">151TA8324</a>
M1 ORFS-M3/4BSP OR 90°	1-14	3/4	35.8	49.5	12.5	16	36	27	<a href="#">167TA4775</a>
M1 3/16ORFS-M1/2BSP OR 90°	1 3/16-12	1/2	37.3	49.5	15.5	12	27	30	<a href="#">167TA5091</a>
M1 3/16ORFS-M3/4BSP OR 90°	1 3/16-12	3/4	37.3	49.5	15.5	16	36	30	<a href="#">167TA4879</a>
M1 3/16ORFS-M1 BSP OR 90°	1 3/16-12	1	41.2	52	15.5	20	41	33	<a href="#">167TA5299</a>
M1 7/16ORFS-M3/4BSP OR 90°	1 7/16-12	3/4	41.7	52.5	20.5	16	36	36	<a href="#">167TA4770</a>
M1 7/16ORFS-M1 BSP OR 90°	1 7/16-12	1	41.7	57	20.5	20	41	36	<a href="#">151TA8330</a>
M1 7/16ORFS-M1 1/4BSP OR 90°	1 7/16-12	1 1/4	44.7	57	20.5	25	50	41	<a href="#">167TA5007</a>
M1 11/16ORFS-M1 BSP OR 90°	1 11/16-12	1	44.7	57	26	20	41	41	<a href="#">151TA8332</a>
M1 11/16ORFS-M1 1/4BSP OR 90°	1 11/16-12	1 1/4	44.7	57	26	25	50	41	<a href="#">151TA8333</a>
M1 11/16ORFS-M1 1/2BSP OR 90°	1 11/16-12	1 1/2	48.8	60.5	26	32	55	48	<a href="#">151TA8334</a>
M2ORFS-M1 1/2BSP OR 90°	2-12	1 1/2	48.8	60.5	32	32	55	48	<a href="#">151TA8335</a>

## L ADAPTOR - MALE ORFS / MALE ORFS / ADJUSTABLE MALE BSP

Description	E ORFS	F ORFS	G BSP	L1 mm	L2 mm	L3 mm	H3 mm	SP	REF
M9/16ORFS-M9/16ORFS-M1/8BSP OR	9/16-18	9/16-18	1/8	21.5	21.5	30	14	15	<a href="#">151TA8511</a>
M9/16ORFS-M9/16ORFS-M1/4BSP OR	9/16-18	9/16-18	1/4	23	23	31.5	19	14	<a href="#">167TA5113</a>
M11/16ORFS-M11/16ORFS-M1/4BSP OR	11/16-16	11/16-16	1/4	27	27	33.5	19	20	<a href="#">151TA8513</a>
M11/16ORFS-M11/16ORFS-M3/8BSP OR	11/16-16	11/16-16	3/8	27.5	27.5	36.8	22	19	<a href="#">151TA8514</a>
M13/16ORFS-M13/16ORFS-M3/8BSP OR	13/16-16	13/16-16	3/8	31	31	39.5	22	22	<a href="#">167TA5306</a>
M13/16ORFS-M13/16ORFS-M1/2BSP OR	13/16-16	13/16-16	1/2	31	31	43.2	27	22	<a href="#">167TA5241</a>
M1 ORFS-M1 ORFS-M1/2BSP OR	1-14	1-14	1/2	33.5	33.5	48	27	28	<a href="#">151TA8517</a>
M1 ORFS-M1 ORFS-M3/4BSP OR	1-14	1-14	3/4	36.5	36.5	49.3	32	28	<a href="#">151TA8518</a>
M1 3/16ORFS-M1 3/16ORFS-M3/4BSP OR	1 3/16-12	1 3/16-12	3/4	37.3	37.3	49.5	36	30	<a href="#">167TA4884</a>
M1 3/16ORFS-M1 3/16ORFS-M1 BSP OR	1 3/16-12	1 3/16-12	1	37.3	37.3	52	41	33	<a href="#">151TA8520</a>
M1 7/16ORFS-M1 7/16ORFS-M1 BSP OR	1 7/16-12	1 7/16-12	1	48	48	58	41	36	<a href="#">151TA8521</a>
M1 11/16ORFS-M1 11/16ORFS-M1 1/4BSP OR	1 11/16-12	1 11/16-12	1 1/4	44.7	44.7	57	50	41	<a href="#">151TA8522</a>
M2 ORFS-M2 ORFS-M1 1/2BSP OR	2-12	2-12	1 1/2	49	49	64.5	60	48	<a href="#">151TA8523</a>

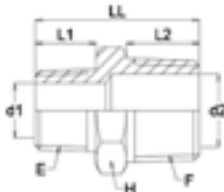


## NOTES

A series of horizontal dotted lines for writing notes, spanning the width of the page below the 'NOTES' header.

# ADAPTORS TYPE BSPT

## ADAPTOR - MALE BSPT / MALE BSPT



Description	E BSPT	F BSPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8BSPT-M1/8BSPT	1/8-28	1/8-28	10	10	26	4.5	4.5	12	<a href="#">151TA8591</a>
M1/8BSPT-M1/4BSPT	1/8-28	1/4-19	10	14	31	4.5	7	17	<a href="#">151TA8592</a>
M1/4BSPT-M1/4BSPT	1/4-19	1/4-19	14	14	35	7	7	14	<a href="#">151TA8593</a>
M1/4BSPT-M3/8BSPT	1/4-19	3/8-19	14	15	36	7	10	17	<a href="#">151TA8594</a>
M1/4BSPT-M1/2BSPT	1/4-19	1/2-14	14	19	41	7	13	22	<a href="#">151TA8595</a>
M3/8BSPT-M3/8BSPT	3/8-19	3/8-19	15	15	37	10	10	17	<a href="#">167TA4908</a>
M3/8BSPT-M1/2BSPT	3/8-19	1/2-14	15	19	42	10	13	22	<a href="#">125TA4701</a>
M1/2BSPT-M1/2BSPT	1/2-14	1/2-14	19	19	46	13	13	22	<a href="#">151TA8598</a>
M5/8BSPT-M5/8BSPT	5/8-14	5/8-14	19	19	46	14	14	24	<a href="#">151TA8599</a>
M3/4BSPT-M1/2BSPT	3/4-14	1/2-14	19	20	48	13	18	27	<a href="#">167TA8261</a>
M3/4BSPT-M3/4BSPT	3/4-14	3/4-14	20	20	49	18	18	27	<a href="#">151TA8601</a>
M1 BSPT-M1 BSPT	1-11	1-11	24	24	58	24	24	36	<a href="#">151TA8602</a>
M1 1/4BSPT-M1 1/4BSPT	1 1/4-11	1 1/4-11	25	25	62	31	31	46	<a href="#">151TA8603</a>

## ADAPTOR - MALE ORFS + O-RING / MALE BSPT



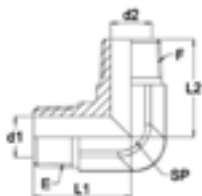
Description	E ORFS	F BSPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M1/4BSPT	9/16-18	1/4	9.8	14	31.8	4.5	7	17	<a href="#">151TA8606</a>
M11/16ORFS-M3/8BSPT	11/16-16	3/8	11.2	15	34.9	6.5	10	19	<a href="#">151TA8607</a>
M13/16ORFS-M1/2BSPT	13/16-16	1/2	12.8	19	41.6	9.5	13	22	<a href="#">151TA8608</a>
M1 ORFS-M1/2BSPT	1-14	1/2	15.5	19	46.1	12.5	12.5	27	<a href="#">151TA8609</a>
M1 3/16ORFS-M3/4BSPT	1 3/16-12	3/4	17	20	50.1	15.5	18	32	<a href="#">151TA8610</a>
M1 3/16ORFS-M1 BSPT	1 3/16-12	1	17	24	55	15.5	24	36	<a href="#">151TA8611</a>
M1 7/16ORFS-M1 BSPT	1 7/16-12	1	17.5	24	55.8	20.5	24	41	<a href="#">151TA8612</a>
M1 11/16ORFS-M1 1/4BSPT	1 11/16-12	1 1/4	17.5	25	58.8	26	31	46	<a href="#">151TA8613</a>
M2 ORFS-M1 1/2BSPT	2-12	1 1/2	17.5	25	60.6	32	38	55	<a href="#">151TA8614</a>

## ADAPTOR - MALE BSPT / MALE NPT



Description	E BSPT	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/4BSPT-M1/8NPT	1/8-28	1/4-18	10	14	26	4.5	7	12	<a href="#">167TA5101</a>
M1/8BSPT-M1/4NPT	1/4-18	1/8-28	14	10	31	7	4.5	12	<a href="#">151TA8616</a>
M1/4BSPT-M1/4NPT	1/4-19	1/4-18	14	14.2	35	6	6	14	<a href="#">151TA8617</a>
M3/8BSPT-M1/4NPT	3/8-19	1/4-18	14	14.2	36	7	9	19	<a href="#">151TA8618</a>
M3/8BSPT-M3/8NPT	3/8-19	3/8-18	15	14.2	37	9	9	19	<a href="#">151TA8619</a>
M1/4BSPT-M3/8NPT	1/4-19	3/8-18	15	14.2	36	10	6	17	<a href="#">151TA8620</a>
M1/2BSPT-M1/2NPT	1/2-14	1/2-14	19	19	46	12	12	22	<a href="#">151TA8621</a>
M3/4BSPT-M3/4NPT	3/4-14	3/4-14	20	19	48	16.5	16.5	27	<a href="#">151TA8622</a>
M1 BSPT-M1 NPT	1-11	1-11.5	24	23.9	58	21.5	21.5	36	<a href="#">151TA8623</a>

### 90° ADAPTOR - MALE BSPT / MALE BSPT



Description	E BSPT	F BSPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/8BSPT-M1/8BSPT 90°	1/8-28	1/8-28	20	20	4.5	4.5	12	<a href="#">167TA8262</a>
M1/4BSPT-M1/4BSPT 90°	1/4-19	1/4-19	26	26	7	7	14	<a href="#">151TA8604</a>
M3/8BSPT-M3/8BSPT 90°	3/8-19	3/8-19	30	30	10	10	19	<a href="#">151TA8605</a>
M1/2BSPT-M1/2BSPT 90°	1/2-14	1/2-14	36	36	13	13	22	<a href="#">167TA8263</a>
M3/4BSPT-M3/4BSPT 90°	3/4-14	3/4-14	43	43	18	18	27	<a href="#">167TA8264</a>
M1 BSPT-M1 BSPT 90°	1-11	1-11	50	50	24	24	33	<a href="#">167TA8265</a>

### T ADAPTOR - MALE BSPT / MALE BSPT / MALE BSPT



Description	A BSPT	REF
M1/4BSPT-M1/4BSPT-M1/4BSPT	1/4-19	<a href="#">151TA8624</a>
M3/8BSPT-M3/8BSPT-M3/8BSPT	3/8-19	<a href="#">151TA8625</a>
M3/8BSPT-M3/8BSPT-M3/8BSPT	1/2-14	<a href="#">151TA8626</a>

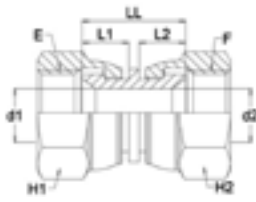
### NUT - MALE BSPT



Description	E BSPT	L mm	H mm	REF
BM1/8BSPT HEX	1/8-28	8	5	<a href="#">167TA4600</a>
BM1/4BSPT HEX	1/4-19	10	6	<a href="#">151TA8628</a>
BM3/8BSPT HEX	3/8-19	10	8	<a href="#">151TA8629</a>
BM1/2BSPT HEX	1/2-14	10	10	<a href="#">151TA8630</a>
BM3/4BSPT HEX	3/4-14	12	12	<a href="#">151TA8631</a>

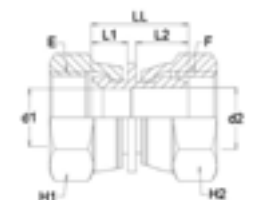
# ADAPTORS TYPE JIC

## ADAPTOR - FEMALE SWIVEL JIC / FEMALE SWIVEL JIC



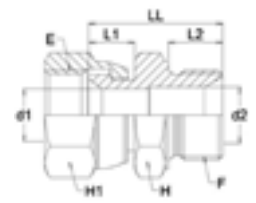
Description	E JIC	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H1 mm	H2 mm	REF
FS7/16JIC-FS7/16JIC	7/16-20	7/16-20	8.5	8.5	19	4.4	4.4	14	14	<a href="#">151TA8632</a>
FS7/16JIC-FS1/2JIC	7/16-20	1/2-20	8.5	8.5	19	4.4	6	14	17	<a href="#">167TA8266</a>
FS7/16JIC-FS9/16JIC	7/16-20	9/16-18	8.5	9.5	20	4.4	7.5	14	19	<a href="#">167TA8267</a>
FS1/2JIC-FS1/2JIC	1/2-20	1/2-20	8.5	8.5	19	6	6	17	17	<a href="#">151TA8633</a>
FS9/16JIC-FS9/16JIC	9/16-18	9/16-18	9.5	9.5	21	7.5	7.5	19	19	<a href="#">167TA5095</a>
FS3/4JIC-FS9/16JIC	3/4-16	9/16-18	10.5	9.5	22	9.9	7.5	22	19	<a href="#">167TA8269</a>
FS3/4JIC-FS3/4JIC	3/4-16	3/4-16	10.5	10.5	23	9.9	9.9	22	22	<a href="#">167TA5276</a>
FS7/8JIC-FS7/8JIC	7/8-14	7/8-14	11.5	11.5	26	12.3	12.3	27	27	<a href="#">151TA8636</a>
FS1 1/16JIC-FS1 1/16JIC	1 1/16-12	1 1/16-12	13.5	13.5	30	15.5	15.5	32	32	<a href="#">151TA8637</a>
FS1 5/16JIC-FS1 5/16JIC	1 5/16-12	1 5/16-12	13.5	13.5	30	21.5	21.5	41	41	<a href="#">151TA8638</a>

## ADAPTOR - FEMALE SWIVEL JIC / FEMALE SWIVEL BSP



Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H1 mm	H2 mm	REF
FS9/16JIC-FS1/4BSP	9/16-18	1/4-19	9.5	11.3	22.8	7.5	4.5	19	19	<a href="#">167TA8270</a>
FS9/16JIC-FS3/8BSP	9/16-18	3/8-19	9.5	12.5	24	7.1	7.1	19	22	<a href="#">167TA4722</a>
FS3/4JIC-FS3/8BSP	3/4-16	3/8-19	10.5	12.5	25	9.9	7.1	22	22	<a href="#">167TA4762</a>
FS3/4JIC-FS1/2BSP	3/4-16	1/2-14	10.5	15	28.5	9.7	9.7	22	27	<a href="#">151TA8646</a>
FS7/8JIC-FS1/2BSP	7/8-14	1/2-14	11.5	15	29.5	12.3	9.7	27	27	<a href="#">167TA8271</a>

## ADAPTOR - FEMALE SWIVEL JIC / MALE BSP 60°



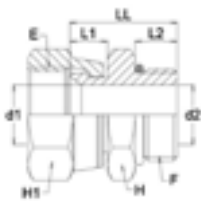
Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS7/16JIC-M1/4BSP	7/16-20	1/4-19	8.5	8	28.5	4.4	4.4	19	14	<a href="#">151TA8647</a>
FS1/2JIC-M1/4BSP	1/2-20	1/4-19	8.5	11	28.5	4.7	4.7	19	17	<a href="#">151TA8648</a>
FS9/16JIC-M1/4BSP	9/16-18	1/4-19	9.5	11	29.5	7.5	4.7	19	19	<a href="#">151TA8649</a>
FS3/4JIC-M1/4BSP	3/4-16	1/4-19	10.5	11	30.5	9.9	4.7	19	22	<a href="#">151TA8650</a>
FS7/16JIC-M3/8BSP	7/16-20	3/8-19	8.5	12	30.5	4.7	7.5	22	17	<a href="#">151TA8651</a>
FS9/16JIC-M3/8BSP	9/16-18	3/8-19	9.5	12	30.5	7.5	7.5	22	19	<a href="#">151TA8652</a>
FS3/4JIC-M3/8BSP	3/4-16	3/8-19	10.5	12	31.5	9.9	7.9	22	22	<a href="#">151TA8653</a>
FS7/8JIC-M3/8BSP	7/8-14	3/8-19	11.5	12	32.5	12.3	7.9	22	27	<a href="#">151TA8654</a>
FS7/16JIC-M1/2BSP	7/16-20	1/2-14	8.5	14	32.5	4.4	9.9	22	14	<a href="#">151TA8655</a>
FS1/2JIC-M1/2BSP	1/2-14	1/2-14	8.5	14	33.5	4.7	11.1	22	17	<a href="#">151TA8656</a>
FS9/16JIC-M1/2BSP	9/16-18	1/2-14	9.5	14	33.5	7.5	11.1	27	19	<a href="#">151TA8657</a>
FS3/4JIC-M1/2BSP	3/4-16	1/2-14	10.5	14	34.5	9.9	9.9	27	22	<a href="#">151TA8658</a>
FS7/8JIC-M1/2BSP	7/8-14	1/2-14	11.5	14	35.5	11.1	11.1	27	27	<a href="#">151TA8659</a>
FS1 1/16JIC-M1/2BSP	1 1/16-12	1/2-14	13.5	14	36.5	12.3	11.1	27	32	<a href="#">151TA8660</a>
FS3/4JIC-M5/8BSP	3/4-16	5/8-14	10.5	16	37.5	9.9	12.3	30	27	<a href="#">151TA8661</a>
FS7/8JIC-M5/8BSP	7/8-14	5/8-14	11.5	16	38.5	11.1	12.3	30	27	<a href="#">151TA8662</a>
FS1 1/16JIC-M5/8BSP	1 1/16-12	5/8-14	13.5	16	39.5	14.3	14.3	30	32	<a href="#">151TA8663</a>
FS3/4JIC-M3/4BSP	3/4-16	3/4-14	10.5	16	36.5	9.9	16.7	32	22	<a href="#">151TA8664</a>
FS7/8JIC-M3/4BSP	7/8-14	3/4-14	11.5	16	37.5	12.3	16.7	32	27	<a href="#">151TA8665</a>
FS1 1/16JIC-M3/4BSP	1 1/16-12	3/4-14	13.5	16	39.5	15.5	15.5	32	32	<a href="#">151TA8666</a>
FS1 3/16JIC-M3/4BSP	1 3/16-12	3/4-14	13.5	16	40	15.5	15.5	32	32	<a href="#">151TA8667</a>
FS1 5/16JIC-M3/4BSP	1 5/16-12	3/4-14	13.5	16	41.5	15.5	21.5	32	41	<a href="#">151TA8668</a>
FS1 1/16JIC-M1 BSP	1 1/16-12	1-11	13.5	19	42	15.5	21.5	32	41	<a href="#">151TA8669</a>
FS1 3/16JIC-M1 BSP	1 3/16-12	1-11	13.5	19	42.5	21.5	21.5	41	41	<a href="#">151TA8670</a>
FS1 5/16JIC-M1 BSP	1 5/16-12	1-11	13.5	19	43.5	21.5	21.5	41	41	<a href="#">151TA8671</a>

### ADAPTOR - FEMALE SWIVEL JIC / MALE BSP 60°

Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS1 5/8JIC-M1 BSP	1 5/8-12	1-11	15.5	19	44.5	21.5	27.5	41	50	<a href="#">151TA8672</a>
FS1 5/16JIC-M1 1/4BSP	1 5/16-12	1 1/4-11	13.5	20	46.5	27.5	27.5	50	50	<a href="#">151TA8673</a>
FS1 5/8JIC-M1 1/4BSP	1 5/8-12	1 1/4-11	15.5	20	48.5	27.5	27.5	50	50	<a href="#">151TA8674</a>
FS1 7/8JIC-M1 1/4BSP	1 7/8-12	1 1/4-11	15.5	20	50.5	27.5	27.5	50	50	<a href="#">151TA8675</a>
FS1 7/8JIC-M2 BSP	2-12	2-11	16.5	25	55.5	45	45	70	75	<a href="#">151TA8676</a>
FS2 1/2JIC-M2 BSP	2 1/2-12	2-11	16.5	25	60.5	45	45	70	75	<a href="#">151TA8677</a>

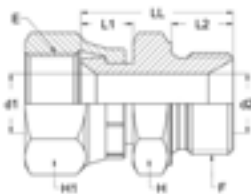
### ADAPTOR - FEMALE SWIVEL JIC / MALE SAE

Description	E JIC	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS7/16JIC-M7/16SAE	7/16-20	7/16-20	8.5	9.1	24.5	4.4	4.4	14	14	<a href="#">124TA3817</a>
FS7/16JIC-M1/2SAE	7/16-20	1/2-20	8.5	9.5	25	4.4	4.5	14	14	<a href="#">167TA8272</a>
FS7/16JIC-M9/16SAE	7/16-20	9/16-18	8.5	9.9	25.5	4.4	7.5	14	17	<a href="#">151TA8679</a>
FS1/2JIC-M1/2SAE	1/2-20	1/2-20	9.5	9.5	26	7.5	4.5	17	17	<a href="#">124TA3818</a>
FS9/16JIC-M9/16SAE	9/16-18	9/16-18	9.5	9.9	26.5	7.5	7.5	17	19	<a href="#">124TA3819</a>
FS3/4JIC-M9/16SAE	3/4-16	9/16-18	10.5	9.9	27.5	9.9	7.5	17	22	<a href="#">151TA8681</a>
FS3/4JIC-M3/4SAE	3/4-16	3/4-16	10.5	11.1	29.5	9.9	9.9	22	22	<a href="#">124TA3820</a>
FS3/4JIC-M7/8SAE	3/4-16	7/8-14	10.5	12.3	30	9.9	11.1	22	22	<a href="#">151TA8683</a>
FS3/4JIC-M1 1/16SAE	3/4-16	1 1/16-12	10.5	15.1	31.5	9.9	15.5	22	24	<a href="#">167TA8273</a>
FS7/8JIC-M7/8SAE	7/8-14	7/8-14	11.5	12.3	32	11.1	11.1	24	24	<a href="#">167TA8274</a>
FS7/8JIC-M3/4SAE	7/8-14	3/4-16	11.5	11.1	32.5	11.1	9.9	24	27	<a href="#">167TA8275</a>
FS7/8JIC-M1 1/16SAE	7/8-14	1 1/16-12	11.5	15.1	33.5	11.1	15.5	24	27	<a href="#">151TA8684</a>
FS1 1/16JIC-M3/4SAE	1 1/16-12	3/4-16	13.5	11.1	35.5	15.5	9.9	27	27	<a href="#">167TA8276</a>
FS1 1/16JIC-M7/8SAE	1 1/16-12	7/8-14	13.5	12.3	36	15.5	11.1	27	32	<a href="#">167TA8277</a>
FS1 1/16JIC-M1 1/16SAE	1 1/16-12	1 1/16-12	13.5	15.1	37.5	15.5	15.5	32	32	<a href="#">151TA8685</a>
FS1 5/16JIC-M1 1/16SAE	1 5/16-12	1 1/16-12	13.5	15.1	38	15.5	15.5	32	41	<a href="#">151TA8686</a>
FS1 1/16JIC-M1 5/16SAE	1 1/16-12	1 5/16-12	13.5	15.1	38.5	21.5	21.5	41	41	<a href="#">151TA8687</a>
FS1 5/16JIC-M1 5/16SAE	1 5/16-12	1 5/16-12	13.5	15.1	38.5	21.5	21.5	41	50	<a href="#">124TA3823</a>



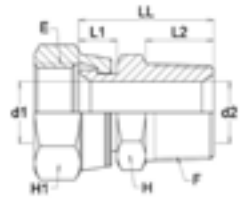
### ADAPTOR - FEMALE SWIVEL JIC / MALE METRIC 60°

Description	E JIC	F Metric	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS7/16JIC-MM10x1.5	7/16-20	M10x1.5	8.5	10	24.5	4.4	4.4	14	14	<a href="#">151TA8689</a>
FS1/2JIC-MM12x1.5	1/2-20	M12x1.5	8.5	10	27.5	6	4	17	17	<a href="#">151TA8690</a>
FS9/16JIC-MM14x1.5	9/16-18	M14x1.5	9.5	12	31.5	6	6	19	19	<a href="#">151TA8691</a>
FS9/16JIC-MM16x1.5	9/16-18	M16x1.5	9.5	12	31.5	7.5	7.5	22	19	<a href="#">167TA8278</a>
FS3/4JIC-MM16x1.5	3/4-16	M16x1.5	10.5	14	33.5	10	10	22	22	<a href="#">151TA8692</a>
FS7/8JIC-MM22x1.5	7/8-14	M22x1.5	11.5	14	35.5	12.3	12.3	22	27	<a href="#">151TA8693</a>



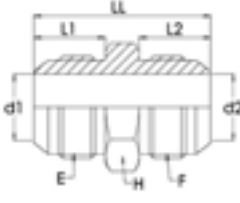
# ADAPTORS TYPE JIC

## ADAPTOR - FEMALE SWIVEL JIC / MALE NPT



Description	E JIC	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
FS7/16JIC-M1/8NPT	7/16-20	1/8-27	8.5	10	24.5	4.4	4.4	12	14	<a href="#">167TA5185</a>
FS1/2JIC-M1/8NPT	1/2-20	1/8-27	8.5	14	29.5	4.4	7	14	14	<a href="#">124TA3556</a>
FS9/16JIC-M1/8NPT	9/16-18	1/8-27	8.5	14	29.5	6	6	14	17	<a href="#">167TA8279</a>
FS7/16JICM1/4NPT	7/16-20	1/4-18	9.5	14	30.5	6.6	6.6	14	17	<a href="#">167TA8280</a>
FS1/2JIC-M1/4NPT	1/2-20	1/4-18	9.5	14	30.5	7	7	14	19	<a href="#">143TA7663</a>
FS9/16JIC-M1/4NPT	9/16-18	1/4-18	9.5	15	31.5	7.5	10	17	19	<a href="#">167TA4976</a>
FS3/4JIC-M1/4NPT	3/4-16	1/4-18	10.5	15	33.5	10	10	19	22	<a href="#">124TA3560</a>
FS9/16JIC-M3/8NPT	9/16-18	3/8-18	11.5	15	34.5	12.3	10	22	27	<a href="#">167TA5044</a>
FS3/4JIC-M3/8NPT	3/4-16	3/8-18	11.5	19	35.5	7	13	22	27	<a href="#">167TA4988</a>
FS7/8JIC-M3/8NPT	7/8-14	3/8-18	10.5	19	37.5	9.9	13	22	22	<a href="#">167TA5237</a>
FS9/16JIC-M1/2NPT	9/16-18	1/2-14	11.5	19	38.5	12.3	12.3	22	27	<a href="#">167TA4965</a>
FS3/4JIC-M1/2NPT	3/4-16	1/2-14	13.5	19	41.5	15.5	13	27	32	<a href="#">167TA5024</a>
FS7/8JIC-M1/2NPT	7/8-14	1/2-14	13.5	20	42.5	15.5	15.5	27	32	<a href="#">167TA5203</a>
FS1 1/16JIC-M1/2NPT	1 1/16-12	1/2-14	13.5	24	42.5	15.5	18	27	32	<a href="#">167TA4995</a>
FS7/8JIC-M3/4NPT	7/8-14	3/4-14	13.5	20	42.5	21.5	18	32	41	<a href="#">167TA8281</a>
FS1 1/16JIC-M3/4NPT	1 1/16-12	3/4-14	13.5	24	47.5	21.5	21.5	36	41	<a href="#">167TA5114</a>
FS1 5/16JIC-M3/4NPT	1 5/16-12	3/4-14	13.5	27	47.5	21.5	22	36	41	<a href="#">167TA5133</a>
FS1 5/16JIC-M1 NPT	1 5/16-12	1-11.5	14	30	48	24	24	39	46	<a href="#">167TA5189</a>

## ADAPTOR - MALE JIC / MALE JIC



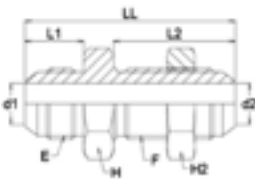
Description	E JIC	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
M5/16JIC-M5/16JIC	5/16-24	5/16-24	11.5	11.5	30.5	3.2	3.2	10		<a href="#">167TA4944</a>
M3/8JIC-M3/8JIC	3/8-24	3/8-24	12.2	12.2	31.2	3.2	3.2	11		<a href="#">167TA4606</a>
M7/16JIC-M7/16JIC	7/16-20	7/16-20	14	14	34.8	4.4	4.4	12		<a href="#">167TA4898</a>
M7/16JIC-M1/2JIC	7/16-20	1/2-20	14	14	34.8	4.4	6	14		<a href="#">151TA8715</a>
M7/16JIC-M9/16JIC	7/16-20	9/16-18	14.1	14	35.5	7.5	4.4	17		<a href="#">167TA4653</a>
M7/16JIC-M3/4JIC	7/16-20	3/4-16	16.7	14	38.3	9.9	4.4	19		<a href="#">151TA8717</a>
M1/2JIC-M1/2JIC	1/2-20	1/2-20	14	14	34.8	6	6	14		<a href="#">124TA3915</a>
M1/2JIC-M9/16JIC	1/2-20	9/16-18	14.1	14	35.5	7.5	6	17		<a href="#">151TA8719</a>
M1/2JIC-M3/4JIC	1/2-20	3/4-16	16.7	14	38.3	9.9	6	19		<a href="#">151TA8720</a>
M1/2JIC-M7/8JIC	1/2-20	7/8-14	19.3	14	42.5	12.3	6	24		<a href="#">151TA8721</a>
M9/16JIC-M9/16JIC	9/16-18	9/16-18	14.1	14.1	35.8	7.5	7.5	17		<a href="#">124TA3916</a>
M9/16JIC-M3/4JIC	9/16-18	3/4-16	14.1	16.7	38.6	7.5	9.9	19		<a href="#">167TA8282</a>
M9/16JIC-M7/8JIC	9/16-18	7/8-14	19.3	14.1	42.7	12.3	7.5	24		<a href="#">151TA8724</a>
M9/16JIC-M1 1/16JIC	9/16-18	1 1/16-12	14.1	16.7	38.6	7.5	7.5	17		<a href="#">167TA4588</a>
M3/4JIC-M3/4JIC	3/4-16	3/4-16	16.7	16.7	41.1	9.9	9.9	19		<a href="#">124TA3918</a>
M3/4JIC-M7/8JIC	3/4-16	7/8-14	19.3	16.7	45.3	12.3	9.9	24		<a href="#">124TA3921</a>
M3/4JIC-M1 1/16JIC	3/4-16	1 1/16-12	21.9	16.7	49.6	15.5	9.9	27		<a href="#">167TA5088</a>
M7/8JIC-M7/8JIC	7/8-14	7/8-14	19.3	19.3	47.8	12.3	12.3	24		<a href="#">167TA4969</a>
M7/8JIC-M1 1/16JIC	7/8-14	1 1/16-12	21.9	19.3	52.1	15.5	12.3	27		<a href="#">167TA4901</a>
M7/8JIC-M1 5/16JIC	7/8-14	1 5/16-12	23.1	19.3	53.4	21.5	12.3	36		<a href="#">151TA8731</a>
M1 1/16JIC-M1 1/16JIC	1 1/16-12	1 1/16-12	21.9	21.9	54.9	15.5	15.5	27		<a href="#">124TA3922</a>
M1 1/16JIC-M1 3/16JIC	1 1/16-12	1 3/16-12	22.6	21.9	55.3	18	15.5	32		<a href="#">151TA8733</a>
M1 3/16JIC-M1 3/16JIC	1 3/16-12	1 3/16-12	22.6	22.6	56.1	18	18	32		<a href="#">124TA3925</a>
M1 1/16JIC-M1 5/16JIC	1 1/16-12	1 5/16-12	23.1	21.9	55.9	21.5	15.5	36		<a href="#">167TA4704</a>
M1 3/16JIC-M1 5/16JIC	1 3/16-12	1 5/16-12	23.1	22.5	56.1	21.5	15.5	36		<a href="#">151TA8736</a>
M1 5/16JIC-M1 5/16JIC	1 5/16-12	1 5/16-12	23.1	23.1	57.2	21.5	21.5	36		<a href="#">124TA3926</a>
M1 5/16JIC-M15/8JIC	1 5/16-12	1 5/8-12	24.3	23.1	60.4	27.5	21.5	46		<a href="#">151TA8738</a>
M1 5/8JIC-M15/8JIC	1 5/8-12	1 5/8-12	24.3	24.3	61.7	27.5	27.5	46		<a href="#">124TA3928</a>
M1 7/8JIC-M1 7/8JIC	1 7/8-12	1 7/8-12	27.5	27.5	69.8	33	33	50		<a href="#">124TA3929</a>

### ADAPTOR - MALE JIC / MALE JIC

Description	E JIC	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M2 1/2JIC-M2 1/2JIC	2 1/2-12	2 1/2-12	33.9	33.9	86.4	45	45	65	<a href="#">167TA4763</a>

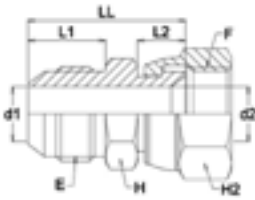
### ADAPTOR - MALE JIC / BULKHEAD MALE JIC + LOCKNUT

Description	E JIC	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M3/8JIC-M3/8JIC BL	3/8-24	3/8-24	12	27.5	51.1	3.5	3.5	14	14	<a href="#">151TA8757</a>
M7/16JIC-M7/16JIC BL	7/16-20	7/16-20	14	30.5	52.6	4.4	4.4	17	17	<a href="#">167TA5177</a>
M1/2JIC-M1/2JIC BL	1/2-20	1/2-20	14	30.5	52.6	6	6	19	19	<a href="#">124TA3968</a>
M9/16JIC-M9/16JIC BL	9/16-18	9/16-18	14.1	32.5	55.4	7.5	7.5	22	22	<a href="#">107TA3749</a>
M3/4JIC-M3/4JIC BL	3/4-16	3/4-16	16.7	36.6	62	9.9	9.9	24	24	<a href="#">107TA3745</a>
M7/8JIC-M7/8JIC BL	7/8-14	7/8-14	19.3	40.1	69.6	12.3	12.3	30	30	<a href="#">124TA3969</a>
M1 1/16JIC-M1 1/16JIC BL	1 1/16-12	1 1/16-12	21.9	44.4	78.5	15.5	15.5	36	36	<a href="#">124TA3970</a>
M1 3/16JIC-M1 3/16JIC BL	1 3/16-12	1 3/16-12	22	44.4	79	21.5	21.5	40	40	<a href="#">124TA3971</a>
M1 5/16JIC-M1 5/16JIC BL	1 5/16-12	1 5/16-12	23.1	44.4	79.8	21.5	21.5	41	41	<a href="#">124TA3972</a>
M1 5/8JIC-M1 5/8JIC BL	1 5/8-12	1 5/8-12	24.3	45.7	84.1	27.5	27.5	50	50	<a href="#">124TA3973</a>
M1 7/8JIC-M1 7/8JIC BL	1 7/8-12	1 7/8-12	27.5	46	89.4	33	33	55	55	<a href="#">124TA3974</a>



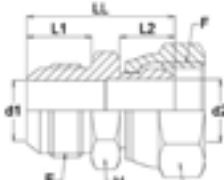
### ADAPTOR - MALE JIC / FEMALE SWIVEL JIC

Description	E JIC	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M7/16JIC-FS7/16JIC	7/16-20	7/16-20	14	8.5	28.5	4.4	4.4	12	14	<a href="#">151TA8793</a>
M7/16JIC-FS9/16JIC	7/16-20	9/16-18	14	9.5	30.5	4.4	7.5	14	19	<a href="#">151TA8794</a>
M7/16JIC-FS3/4JIC	7/16-20	3/4-16	14	10.5	32.5	4.4	9.9	19	22	<a href="#">151TA8795</a>
M7/16JIC-FS7/8JIC	7/16-20	7/8-14	14	11.5	33.5	4.4	12.3	22	27	<a href="#">151TA8796</a>
M1/2JIC-FS1/2JIC	1/2-20	1/2-20	14	8.5	29.5	6	6	14	17	<a href="#">151TA8797</a>
M9/16JIC-FS7/16JIC	9/16-18	7/16-20	14.1	8.5	30	7.5	4.4	17	14	<a href="#">151TA8798</a>
M9/16JIC-FS1/2JIC	9/16-18	1/2-20	14.1	8.5	30	7.5	6	17	17	<a href="#">151TA8799</a>
M9/16JIC-FS9/16JIC	9/16-18	9/16-18	14.1	9.5	30.5	7.5	7.5	17	19	<a href="#">167TA5052</a>
M9/16JIC-FS3/4JIC	9/16-18	3/4-16	14.1	10.5	33	7.5	9.9	19	22	<a href="#">167TA4620</a>
M9/16JIC-FS1 1/16JIC	9/16-18	1 1/16-12	14.1	13.5	36.5	7.5	15.5	27	32	<a href="#">151TA8802</a>
M3/4JIC-FS9/16JIC	3/4-16	9/16-18	16.7	9.5	34	9.9	7.5	19	19	<a href="#">167TA4614</a>
M3/4JIC-FS3/4JIC	3/4-16	3/4-16	16.7	10.5	35.5	9.9	9.9	19	22	<a href="#">167TA4673</a>
M3/4JIC-FS7/8JIC	3/4-16	7/8-14	16.7	11.5	36	9.9	12.3	22	27	<a href="#">151TA8805</a>
M3/4JIC-FS1 1/16JIC	3/4-16	1 1/16-12	16.7	13.5	39.5	9.9	15.5	27	32	<a href="#">151TA8806</a>
M7/8JIC-FS3/4JIC	7/8-14	3/4-16	19.3	10.5	38	12.3	9.9	24	22	<a href="#">151TA8807</a>
M7/8JIC-FS7/8JIC	7/8-14	7/8-14	19.3	11.5	39	12.3	12.3	24	27	<a href="#">151TA8808</a>
M7/8JIC-FS1 1/16JIC	7/8-14	1 1/16-12	19.3	13.5	42	12.3	15.5	27	32	<a href="#">151TA8809</a>
M1 1/16JIC-FS7/8JIC	1 1/16-12	7/8-14	21.9	11.5	42.5	15.5	12.3	27	27	<a href="#">151TA8810</a>
M1 1/16JIC-FS1 1/16JIC	1 1/16-12	1 1/16-12	21.9	13.5	44.5	15.5	15.5	27	32	<a href="#">151TA8811</a>
M1 1/16JIC-FS1 3/16JIC	1 1/16-12	1 3/16-12	21.9	13.5	44.5	15.5	18	27	27	<a href="#">151TA8812</a>
M1 1/16JIC-FS1 5/16JIC	1 1/16-12	1 5/16-12	21.9	13.5	44.5	15.5	21.5	32	41	<a href="#">124TA4050</a>
M1 3/16JIC-FS1 3/16JIC	1 3/16-12	1 3/16-12	22	13.5	45.5	16.3	21.5	32	41	<a href="#">151TA8814</a>
M1 5/16JIC-FS1 5/16JIC	1 5/16-12	1 5/16-12	23.1	13.5	47	21.5	21.5	36	41	<a href="#">151TA8815</a>
M1 5/16JIC-FS1 5/8JIC	1 5/16-12	1 5/8-12	23.1	15.5	49	21.5	27.5	41	50	<a href="#">151TA8816</a>



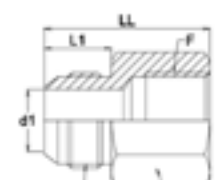
# ADAPTORS TYPE JIC

## ADAPTOR - MALE JIC / FEMALE SWIVEL BSP



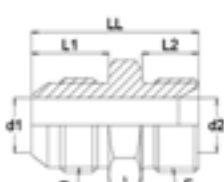
Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M9/16JIC-FS3/8BSP	9/16-18	3/8-19	14.1	12.5	33.5	7.5	7.5	17	22	<a href="#">151TA8837</a>
M3/4JIC-FS3/8BSP	3/4-16	3/8-19	16.7	12.5	37	9.9	7.9	19	22	<a href="#">151TA8838</a>
M3/4JIC-FS1/2BSP	3/4-16	1/2-14	16.7	15	40	9.9	9.9	19	27	<a href="#">167TA8283</a>
M3/4JIC-FS3/4BSP	3/4-16	3/4-14	16.7	17.8	43.5	9.9	15.5	27	32	<a href="#">151TA8839</a>
M7/8JIC-FS1/2BSP	7/8-14	1/2-14	19.3	15	42.5	12.3	11.1	24	27	<a href="#">151TA8840</a>
M7/8JIC-FS5/8BSP	7/8-14	5/8-14	19.3	15	46	15.5	11.1	27	27	<a href="#">151TA8841</a>
M7/8JIC-FS3/4BSP	7/8-14	3/4-14	19.3	15	47.5	11.1	15.5	27	27	<a href="#">167TA8284</a>
M1 1/16JIC-FS3/4BSP	1 1/16-12	3/4-14	21.9	17.8	48.5	15.5	15.5	27	32	<a href="#">151TA8842</a>

## ADAPTOR - MALE JIC / FEMALE BSP FIX



Description	E JIC	F BSP	L1 mm	LL mm	d1 mm	H mm	REF
M7/16JIC-F1/8BSP	7/16-20	1/8-28	14	29.5	4.4	14	<a href="#">124TA3706</a>
M7/16JIC-F1/4BSP	7/16-20	1/4-19	14	34.5	4.4	19	<a href="#">124TA4060</a>
M1/2JIC-F1/8BSP	1/2-20	1/8-28	14	29	6	14	<a href="#">167TA8285</a>
M1/2JIC-F1/4BSP	1/2-20	1/4-19	14	34	6	19	<a href="#">167TA8286</a>
M9/16JIC-F1/8BSP	9/16-18	1/8-28	14.1	28.5	7.5	17	<a href="#">167TA8287</a>
M9/16JIC-F1/4BSP	9/16-18	1/4-19	14.1	33.5	7.5	19	<a href="#">124TA4064</a>
M9/16JIC-F3/8BSP	9/16-18	3/8-19	14.1	35.5	7.5	22	<a href="#">151TA8846</a>
M3/4JIC-F3/8BSP	3/4-16	3/8-19	16.7	37	9.9	22	<a href="#">151TA8847</a>
M3/4JIC-F1/2BSP	3/4-16	1/2-14	16.7	42	9.9	27	<a href="#">167TA4710</a>
M7/8JIC-F1/2BSP	7/8-14	1/2-14	19.3	44	12.3	27	<a href="#">151TA8849</a>
M1 1/16JIC-F1/2BSP	1 1/16-12	1/2-14	21.9	45.5	15.5	27	<a href="#">167TA8288</a>
M1 1/16JIC-F3/4BSP	1 1/16-12	3/4-14	21.9	49	15.5	32	<a href="#">151TA8850</a>

## ADAPTOR - MALE JIC / MALE BSP 60°



Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M5/16JIC-M1/8BSP	5/16-24	1/8-28	12.3	8	27	3.5	3.5	12	<a href="#">151TA8858</a>
M3/8JIC-M1/8BSP	3/8-24	1/8-28	13	8	27	4.4	3.5	12	<a href="#">151TA8859</a>
M7/16JIC-M1/8BSP	7/16-20	1/8-28	14	8	30	4.4	3.5	14	<a href="#">151TA8860</a>
M1/2JIC-M1/8BSP	1/2-20	1/8-28	14	8	30	6	3.5	14	<a href="#">151TA8861</a>
M9/16JIC-M1/8BSP	9/16-18	1/8-28	14.1	8	30	7.5	3.5	17	<a href="#">151TA8862</a>
M5/16JIC-M1/4BSP	5/16-24	1/4-19	12.3	11	33.3	3.5	4.4	17	<a href="#">151TA8864</a>
M3/8JIC-M1/4BSP	3/8-24	1/4-19	13	11	33.3	4.4	4.4	19	<a href="#">151TA8865</a>
M7/16JIC-M1/4BSP	7/16-20	1/4-19	14	11	34	4.4	4.4	19	<a href="#">167TA4951</a>
M1/2JIC-M1/4BSP	1/2-20	1/4-19	14	11	34	6	4.7	19	<a href="#">151TA8867</a>
M9/16JIC-M1/4BSP	9/16-18	1/4-19	14.1	11	34	7.5	4.7	19	<a href="#">167TA4725</a>
M3/4JIC-M1/4BSP	3/4-16	1/4-19	16.7	11	35.5	9.9	4.7	19	<a href="#">151TA8869</a>
M7/8JIC-M1/4BSP	7/8-14	1/4-19	19.3	11	40.5	12.3	4.7	24	<a href="#">151TA8870</a>
M1 1/16JIC-M1/4BSP	1 1/16-12	1/4-19	21.9	11	44	15.5	4.7	22	<a href="#">151TA8871</a>
M7/16JIC-M3/8BSP	7/16-20	3/8-19	14	12	35	4.4	7.9	22	<a href="#">151TA8872</a>
M1/2JIC-M3/8BSP	1/2-20	3/8-19	14	12	35	6	7.9	22	<a href="#">151TA8873</a>
M9/16JIC-M3/8BSP	9/16-18	3/8-19	14.1	12	35	7.5	7.5	22	<a href="#">151TA8874</a>
M3/4JIC-M3/8BSP	3/4-16	3/8-19	16.7	12	37.5	9.9	7.9	22	<a href="#">124TA3657</a>
M7/8JIC-M3/8BSP	7/8-14	3/8-19	19.3	12	40.5	12.3	7.9	24	<a href="#">160TA5152</a>
M1 1/16JIC-M3/8BSP	1 1/16-12	3/8-19	21.9	12	44	15.5	7.9	27	<a href="#">151TA8877</a>
M7/16JIC-M1/2BSP	7/16-20	1/2-14	14	14	38	4.4	11.1	27	<a href="#">151TA8878</a>
M1/2JIC-M1/2BSP	1/2-20	1/2-14	14	14	38	6	11.1	27	<a href="#">167TA4883</a>
M9/16JIC-M1/2BSP	9/16-18	1/2-14	14.1	14	38	7.5	11.1	27	<a href="#">167TA4947</a>

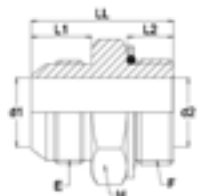
## ADAPTOR - MALE JIC / MALE BSP 60°

Description	E JIC	F BSP	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M3/4JIC-M1/2BSP	3/4-16	1/2-14	16.7	14	40.5	9.9	9.9	27	<a href="#">167TA4890</a>
M7/8JIC-M1/2BSP	7/8-14	1/2-14	19.3	14	43.5	12.3	11.1	27	<a href="#">167TA4639</a>
M1 1/16JIC-M1/2BSP	1 1/16-12	1/2-14	21.9	14	46	15.5	11.1	27	<a href="#">167TA5038</a>
M3/16JIC-M1/2BSP	1 3/16-12	1/2-14	22.6	14	46.5	18	11.1	32	<a href="#">151TA8884</a>
M1 5/16JIC-M1/2BSP	1 5/16-12	1/2-14	23.1	14	48	21.5	11.1	32	<a href="#">151TA8885</a>
M9/16JIC-M5/8BSP	9/16-18	5/8-14	14.1	16	40.5	7.5	14.3	30	<a href="#">151TA8886</a>
M3/4JIC-M5/8BSP	3/4-16	5/8-14	16.7	16	42.5	9.9	14.3	30	<a href="#">151TA8887</a>
M7/8JIC-M5/8BSP	7/8-14	5/8-14	19.3	16	45.5	12.3	14.3	30	<a href="#">151TA8888</a>
M1 1/16JIC-M5/8BSP	1 1/16-12	5/8-14	21.9	16	48	15.5	14.3	30	<a href="#">151TA8889</a>
M1 3/16JIC-M5/8BSP	1 3/16-12	5/8-14	22.6	16	50	18	14.3	36	<a href="#">151TA8890</a>
M1 5/16JIC-M5/8BSP	1 5/16-12	5/8-14	23.1	16	52	21.5	14.3	36	<a href="#">151TA8891</a>
M7/16JIC-M3/4BSP	7/16-20	3/4-14	14	16	35	3.5	16.7	36	<a href="#">151TA8892</a>
M1/2JIC-M3/4BSP	1/2-20	3/4-14	14	16	38	4.4	16.7	32	<a href="#">151TA8893</a>
M9/16JIC-M3/4BSP	9/16-18	3/4-14	14.1	16	40	7.5	16.7	32	<a href="#">151TA8894</a>
M3/4JIC-M3/4BSP	3/4-16	3/4-14	16.7	16	42.5	9.9	16.7	32	<a href="#">151TA8895</a>
M7/8JIC-M3/4BSP	7/8-14	3/4-14	19.3	16	45.5	12.3	16.7	32	<a href="#">151TA8896</a>
M1 1/16JIC-M3/4BSP	1 1/16-12	3/4-14	21.9	16	48	15.5	15.5	32	<a href="#">151TA8897</a>
M1 3/16JIC-M3/4BSP	1 3/16-12	3/4-14	22.6	16	48.5	18	16.7	32	<a href="#">151TA8898</a>
M1 5/16JIC-M3/4BSP	1 5/16-12	3/4-14	23.1	16	50	21.5	16.7	36	<a href="#">151TA8899</a>
M1 5/8JIC-M3/4BSP	1 5/8-12	3/4-14	24.3	16	55.5	27.5	16.7	46	<a href="#">151TA8900</a>
M3/4JIC-M1 BSP	3/4-16	1-11	16.7	19	56.5	9.9	22.2	46	<a href="#">151TA8901</a>
M7/8JIC-M1 BSP	7/8-14	1-11	19.3	19	49.5	12.3	22.2	41	<a href="#">151TA8902</a>
M1 1/16JIC-M1 BSP	1 1/16-12	1-11	21.9	19	52	15.5	22.2	41	<a href="#">151TA8903</a>
M1 3/16JIC-M1 BSP	1 3/16-12	1-11	22.6	19	52.5	18	22.2	41	<a href="#">151TA8904</a>
M1 5/16JIC-M1 BSP	1 5/16-12	1-11	23.1	19	53	21.5	21.5	41	<a href="#">151TA8905</a>
M1 5/8JIC-M1 BSP	1 5/8-12	1-11	24.3	19	56.5	27.5	22.2	46	<a href="#">151TA8906</a>
M1 7/8JIC-M1 BSP	1 7/8-12	1-11	27.5	19	57.5	33	22.2	46	<a href="#">151TA8907</a>
M3/4JIC-M1 1/4BSP	3/4-16	1 1/4-11	16.7	20	57.5	27.5	28.6	46	<a href="#">151TA8908</a>
M7/8JIC-M1 1/4BSP	7/8-14	1 1/4-11	27.5	20	60.5	33	28.6	50	<a href="#">151TA8909</a>
M1 1/16JIC-M1 1/4BSP	1 1/16-12	1 1/4-11	21.9	20	55	15.5	28.6	50	<a href="#">151TA8910</a>
M1 3/16JIC-M1 1/4BSP	1 3/16-12	1 1/4-11	22.6	20	55.3	18	28.6	50	<a href="#">151TA8911</a>
M1 5/16JIC-M1 1/4BSP	1 5/16-12	1 1/4-11	23.1	20	56	21.5	28.6	50	<a href="#">151TA8912</a>
M15/8JIC-M1 1/4BSP	1 5/8-12	1 1/4-11	24.3	20	57.5	27.5	27.5	50	<a href="#">151TA8913</a>
M1 7/8JIC-M1 1/4BSP	1 7/8-12	1 1/4-11	27.5	20	60.5	33	28.6	50	<a href="#">151TA8914</a>
M2 1/2JIC-M1 1/4BSP	2 1/2-12	1 1/4-11	33.9	20	61	33.5	28.6	55	<a href="#">151TA8915</a>
M7/8JIC-M1 1/2BSP	7/8-14	1 1/2-11	27.5	22	65.5	15.5	33	55	<a href="#">151TA8916</a>
M1 1/16JIC-M1 1/2BSP	1 1/16-12	1 1/2-11	21.9	22	60.5	18	33	55	<a href="#">151TA8917</a>
M1 5/16JIC-M1 1/2BSP	1 5/16-12	1 1/2-11	23.1	22	61	21.5	33.3	55	<a href="#">151TA8919</a>
M1 5/8JIC-M1 1/2BSP	1 5/8-12	1 1/2-11	24.3	22	62.5	27.5	33.3	55	<a href="#">151TA8920</a>
M1 7/8JIC-M1 1/2BSP	1 7/8-12	1 1/2-11	27.5	22	65.5	33	33	55	<a href="#">151TA8921</a>
M2 1/2JIC-M1 1/2BSP	2 1/2-12	1 1/2-11	33.9	22	72	45	33.3	65	<a href="#">151TA8922</a>
M1 5/16JIC-M2 BSP	1 5/16-12	2-11	23.1	25	65.5	21.5	46	70	<a href="#">151TA8923</a>
M1 5/8JIC-M2 BSP	1 5/8-12	2-11	24.3	25	67.5	27.5	46	70	<a href="#">151TA8924</a>
M1 7/8JIC-M2 BSP	1 7/8-12	2-11	27.5	25	71.5	33	46	70	<a href="#">151TA8925</a>
M1 1/2JIC-M2 BSP	2 1/2-12	2-11	33.9	25	72.3	45	46	70	<a href="#">151TA8926</a>

# ADAPTORS TYPE JIC

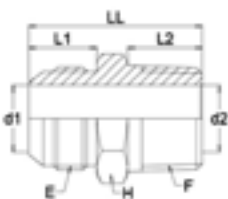
## ADAPTOR - MALE JIC / MALE BSP + O-RING + RETAINING RING

Description	E	F	L1	L2	LL	d1	d2	H	REF
	JIC	GAS	mm	mm	mm	mm	mm	mm	
M7/16JIC-M1/8BSP	7/16-20	1/8-28	14	7.6	29	4.4	4.4	14	<a href="#">167TA4777</a>
M7/16JIC-M1/4BSP	7/16-20	1/4-19	14	11.2	31.7	4.4	7.5	19	<a href="#">151TA8928</a>
M7/16JIC-M3/8BSP	7/16-20	3/8-19	14	11.2	33.2	4.4	9.9	22	<a href="#">167TA5165</a>
M7/16JIC-M1/2BSP	7/16-20	1/2-14	14	14.5	38.7	4.4	12.3	30	<a href="#">126TA4700</a>
M1/2JIC-M1/4BSP	1/2-20	1/4-19	14	11.2	32	6	6	19	<a href="#">167TA4993</a>
M1/2JIC-M3/8BSP	1/2-20	3/8-19	14	11.2	33.2	6	9.9	22	<a href="#">167TA4888</a>
M9/16JIC-M1/8BSP	9/16-18	1/8-28	14.1	11.2	31.7	6	9.9	14	<a href="#">124TA3654</a>
M9/16JIC-M1/4BSP	9/16-18	1/4-19	14.1	11.2	32	7.5	7.5	19	<a href="#">167TA5115</a>
M9/16JIC-M3/8BSP	9/16-18	3/8-19	14.1	11.2	33.5	7.5	9.9	22	<a href="#">160TA3162</a>
M9/16JIC-M1/2BSP	9/16-18	1/2-14	14.1	14.5	38.9	7.5	12.3	30	<a href="#">124TA3656</a>
M3/4JIC-M1/4BSP	3/4-16	1/4-19	16.7	11.2	36	9.9	7.5	19	<a href="#">167TA5169</a>
M3/4JIC-M3/8BSP	3/4-16	3/8-19	16.7	11.2	36	9.9	9.9	22	<a href="#">167TA5089</a>
M3/4JIC-M1/2BSP	3/4-16	1/2-14	16.7	14.5	41.5	9.9	9.9	30	<a href="#">167TA5080</a>
M3/4JIC-M3/4BSP	3/4-16	3/4-14	16.7	14.5	42.2	9.9	15.5	36	<a href="#">167TA5111</a>
M7/8JIC-M3/8BSP	7/8-14	3/8-19	19.3	11.2	40.7	12.3	9.9	24	<a href="#">167TA4938</a>
M7/8JIC-M1/2BSP	7/8-14	1/2-14	19.3	14.5	44	12.3	12.3	30	<a href="#">160TA1245</a>
M7/8JIC-M5/8BSP	7/8-14	5/8-14	19.3	14.5	44.2	12.3	15.5	36	<a href="#">151TA8943</a>
M7/8JIC-M3/4BSP	7/8-14	3/4-14	19.3	14.5	44.7	12.3	15.5	36	<a href="#">167TA5083</a>
M1 1/16JIC-M3/8BSP	1 1/16-12	3/8-19	21.9	11.2	44.2	15.5	9.9	27	<a href="#">167TA4972</a>
M1 1/16JIC-M1/2BSP	1 1/16-12	1/2-14	21.9	14.5	47.5	15.5	12.3	30	<a href="#">167TA5128</a>
M1 1/16JIC-M3/4BSP	1 1/16-12	3/4-14	21.9	14.5	47.5	15.5	15.5	36	<a href="#">167TA4891</a>
M1 1/16JIC-M1 BSP	1 1/16-12	1-11	21.9	18.6	52.2	15.5	21.5	46	<a href="#">167TA5055</a>
M1 3/16JIC-M3/4BSP	1 3/16-12	3/4-14	23.1	14.5	47.5	21.5	12.3	30	<a href="#">151TA8949</a>
M1 5/16JIC-M3/4BSP	1 5/16-12	3/4-14	23.1	14.5	49.4	21.5	15.5	36	<a href="#">167TA5195</a>
M1 5/16JIC-M1 BSP	1 5/16-12	1-11	23.1	18.6	53.5	21.5	21.5	46	<a href="#">167TA4719</a>
M1 5/16JIC-M1 1/4BSP	1 5/16-12	1 1/4-11	23.1	18.6	55.7	21.5	27.5	50	<a href="#">167TA8289</a>
M1 5/8JIC-M1 BSP	1 5/8-12	1-11	24.3	18.6	57	27.5	21.5	46	<a href="#">167TA5179</a>
M1 5/8JIC-M1 1/4BSP	1 5/8-12	1 1/4-11	24.3	18.6	57	27.5	27.5	50	<a href="#">167TA5001</a>
M1 5/8JIC-M1 1/2BSP	1 5/8-12	1 1/2-11	24.3	18.6	57.8	27.5	33	55	<a href="#">167TA4843</a>
M1 7/8JIC-M1 1/4BSP	1 7/8-12	1 1/4-11	27.5	18.6	61	33	27.5	50	<a href="#">167TA5016</a>
M1 7/8JIC-M1 1/2BSP	1 7/8-12	1 1/2-11	27.5	18.6	61	33	33	55	<a href="#">167TA4986</a>



## ADAPTOR - MALE JIC / MALE BSPT

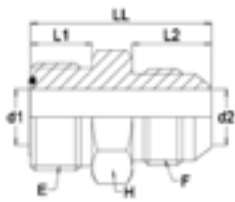
Description	E	F	L1	L2	LL	d1	d2	H	REF
	JIC	BSPT	mm	mm	mm	mm	mm	mm	
M7/16JIC-M1/8BSPT	7/16-20	1/8-28	14	10	30	4.5	4.5	12	<a href="#">167TA5157</a>
M7/16JIC-M1/4BSPT	7/16-20	1/4-19	14	14	35	4.4	7	14	<a href="#">124TA3572</a>
M7/16JIC-M3/8BSPT	7/16-20	3/8-19	14	15	36	4.4	10	17	<a href="#">151TA8986</a>
M1/2JIC-M1/4BSPT	1/2-20	1/4-19	14	14	35	6	7	14	<a href="#">124TA3574</a>
M9/16JIC-M1/4BSPT	9/16-18	1/4-19	14.1	14	35	7.5	7.5	17	<a href="#">124TA3575</a>
M9/16JIC-M3/8BSPT	9/16-18	3/8-19	14.1	15	36	7.5	10	17	<a href="#">167TA5082</a>
M9/16JIC-M1/2BSPT	9/16-18	1/2-14	14.1	19	41	7.5	13	22	<a href="#">151TA8990</a>
M3/4JIC-M1/4BSPT	3/4-16	1/4-19	16.7	14	38.5	9.9	7	19	<a href="#">124TA3578</a>
M3/4JIC-M3/8BSPT	3/4-16	3/8-19	16.7	15	39.5	9.9	9.9	19	<a href="#">167TA4599</a>
M3/4JIC-M1/2BSPT	3/4-16	1/2-14	16.7	19	43.5	9.9	13	22	<a href="#">167TA4874</a>
M7/8JIC-M3/8BSPT	7/8-14	3/8-19	19.3	15	42.5	12.3	10	24	<a href="#">151TA8994</a>
M7/8JIC-M1/2BSPT	7/8-14	1/2-14	19.3	19	46.5	12.3	12.3	24	<a href="#">124TA3582</a>
M7/8JIC-M3/4BSPT	7/8-14	3/4-14	19.3	20	48.5	12.3	18	27	<a href="#">151TA8996</a>
M1 1/16JIC-M1 1/2BSPT	1 1/16-12	1/2-14	21.9	19	50	15.5	13	27	<a href="#">124TA3584</a>
M1 1/16JIC-M3/4BSPT	1 1/16-12	3/4-14	21.9	20	51	15.5	15.5	27	<a href="#">167TA4836</a>
M1 1/16JIC-M1 BSPT	1 1/16-12	1-11	21.9	24	56	15.5	24	36	<a href="#">124TA3586</a>



### ADAPTOR - MALE JIC / MALE BSPT

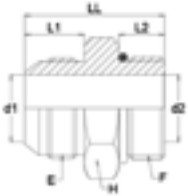
Description	E JIC	F BSPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 5/16JIC-M3/4BSPT	1 5/16-12	3/4-14	23.1	20	53	21.5	18	36	<a href="#">124TA3587</a>
M1 5/16JIC-M1 BSPT	1 5/16-12	1-11	23.1	24	57	21.5	21.5	36	<a href="#">124TA3588</a>
M1 5/8JIC-M1 BSPT	1 5/8-12	1-11	24.3	24	60	27.5	24	46	<a href="#">124TA3589</a>
M1 5/8JIC-M1 1/4BSPT	1 5/8-12	1 1/4-11	24.3	25	61.5	27.5	31	46	<a href="#">124TA3590</a>
M1 7/8JIC-M1 1/2BSPT	1 7/8-12	1 1/2-11	27.5	25	64.5	33	33	50	<a href="#">124TA3591</a>

### ADAPTOR - MALE ORFS / MALE JIC



Description	E ORFS	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M7/16JIC	9/16-18	7/16-20	9.8	14	31.8	4.4	4.4	17	<a href="#">167TA8290</a>
M11/16ORFS-M1/2JIC	11/16-16	1/2-12	11.2	14	33.9	6	6	19	<a href="#">151TA9037</a>
M11/16ORFS-M9/16JIC	11/16-16	9/16-18	11.2	14.1	34	6.5	6.5	19	<a href="#">167TA4687</a>
M13/16ORFS-M3/4JIC	13/16-16	3/4-16	12.8	16.7	39.3	9.5	9.5	22	<a href="#">151TA9039</a>
M1 ORFS-M7/8JIC	1-14	7/8-14	15.5	19.3	46.4	12.3	12.3	27	<a href="#">151TA9040</a>
M1 3/16ORFS-M1/16JIC	1 3/16-12	1 1/16-12	17	21.9	52	15.5	15.5	32	<a href="#">151TA9041</a>
M1 7/16ORFS-M5/16JIC	1 7/16-12	1 5/16-12	17.5	23.1	54.9	20.5	20.5	41	<a href="#">151TA9042</a>

### ADAPTOR - MALE JIC / MALE SAE



Description	E JIC	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M7/16JIC-M7/16SAE	7/16-20	7/16-20	14	9.14	31.2	4.4	4.4	14	<a href="#">107TA3680</a>
M7/16JIC-M1/2SAE	7/16-20	1/2-20	14	9.14	31.2	4.4	6	17	<a href="#">167TA5097</a>
M7/16JIC-M9/16SAE	7/16-20	9/16-18	14	9.93	32.7	4.4	7.5	17	<a href="#">124TA3725</a>
M7/16JIC-M3/4SAE	7/16-20	3/4-16	14	11.13	30.9	4.4	9.9	17	<a href="#">124TA3726</a>
M1/2JIC-M1/2SAE	1/2-20	1/2-20	14	9.14	31.2	6	6	17	<a href="#">124TA3727</a>
M1/2JIC-M9/16SAE	1/2-20	9/16-18	14	9.93	32.7	6	7.5	17	<a href="#">125TA6311</a>
M9/16JIC-M7/16SAE	9/16-18	7/16-20	14.1	9.14	32.2	7.5	4.4	17	<a href="#">167TA4619</a>
M9/16JIC-M1/2SAE	9/16-18	1/2-20	14.1	9.14	32.2	7.5	6	17	<a href="#">124TA4402</a>
M9/16JIC-M9/16SAE	9/16-18	9/16-18	14.1	9.93	33	7.5	7.5	17	<a href="#">107TA3668</a>
M9/16JIC-M3/4SAE	9/16-18	3/4-16	14.1	11.13	35.1	7.5	9.9	22	<a href="#">124TA3729</a>
M9/16JIC-M7/8SAE	9/16-18	7/8-14	14.1	12.7	38.1	7.5	12.3	27	<a href="#">124TA3730</a>
M3/4JIC-M9/16SAE	3/4-16	9/16-18	16.7	9.93	36.6	9.9	7.5	19	<a href="#">124TA3731</a>
M3/4JIC-M3/4SAE	3/4-16	3/4-16	16.7	11.13	37.6	9.9	9.9	22	<a href="#">113TA1676</a>
M3/4JIC-M7/8SAE	3/4-16	7/8-14	16.7	12.7	40.7	9.9	12.3	27	<a href="#">164TA7166</a>
M3/4JIC-M1 1/16SAE	3/4-16	1 1/16-12	16.7	15.09	44.7	9.9	15.5	32	<a href="#">161TA2950</a>
M7/8JIC-M9/16SAE	7/8-14	9/16-18	19.3	9.93	40	12.3	7.5	22	<a href="#">151TA9059</a>
M7/8JIC-M3/4SAE	7/8-14	3/4-16	19.3	11.13	41.7	12.3	9.9	24	<a href="#">167TA5019</a>
M7/8JIC-M7/8SAE	7/8-14	7/8-14	19.3	12.7	43.2	12.3	12.3	27	<a href="#">124TA3734</a>
M7/8JIC-M1 1/16SAE	7/8-14	1 1/16-12	19.3	15.09	47.2	12.3	15.5	32	<a href="#">124TA3736</a>
M7/8JIC-M1 5/16SAE	7/8-14	1 5/16-12	19.3	15.09	48	12.3	21.5	41	<a href="#">151TA9063</a>
M1 1/16JIC-M3/4SAE	1/16-12	3/4-16	21.9	11.13	49.2	15.5	9.9	27	<a href="#">124TA3738</a>
M1 1/16JIC-M7/8SAE	1/16-12	7/8-14	21.9	12.7	47.7	15.5	12.3	27	<a href="#">167TA5061</a>
M1 1/16JIC-M1 1/16SAE	1/16-12	1 1/16-12	21.9	15.09	50	15.5	15.5	32	<a href="#">124TA3737</a>
M1 1/16JIC-M1 5/16SAE	1 1/16-12	1 5/16-12	21.9	15.09	50.5	15.5	21.5	41	<a href="#">124TA3740</a>
M1 3/16JIC-M1 1/16SAE	1 3/16-12	1 1/16-12	22.6	15.09	50.5	18	15.5	32	<a href="#">151TA9068</a>
M1 3/16JIC-M1 3/16SAE	1 3/16-12	1 3/16-12	22.6	15.09	50.5	18	18	36	<a href="#">124TA3741</a>
M1 3/16JIC-M1 5/16SAE	1 3/16-12	1 5/16-12	22.6	15.19	51.3	18	21.5	41	<a href="#">124TA3742</a>
M1 5/16JIC-M7/8SAE	1 5/16-12	7/8-14	23.1	12.7	52.6	21.5	12.3	36	<a href="#">124TA3744</a>
M1 5/16JIC-M1 1/16SAE	1 5/16-12	1 1/16-12	23.1	15.09	51.8	21.5	15.5	36	<a href="#">124TA3745</a>
M1 5/16JIC-M1 3/16SAE	1 5/16-12	1 3/16-12	23.1	15.09	51.08	21.5	21.5	36	<a href="#">167TA5068</a>

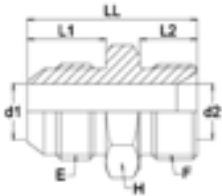
# ADAPTORS TYPE JIC

## ADAPTOR - MALE JIC / MALE SAE

Description	E JIC	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 5/16JIC-M1 5/16SAE	1 5/16-12	1 5/16-12	23.1	15.09	51.08	21.5	21.5	41	<a href="#">124TA3743</a>
M1 5/16JIC-M1 5/8SAE	1 5/16-12	1 5/8-12	23.1	15.09	53.8	21.5	27.5	50	<a href="#">167TA8291</a>
M1 5/8JIC-M1 5/16SAE	1 5/8-12	1 5/16-12	24.3	15.09	59.2	27.5	21.5	46	<a href="#">167TA8292</a>
M1 5/8JIC-M1 5/8SAE	1 5/8-12	1 5/8-12	24.3	15.09	55.1	27.5	27.5	50	<a href="#">124TA3748</a>
M1 5/8JIC-M1 7/8SAE	1 5/8-12	1 7/8-12	24.3	15.09	56.9	27.5	33	55	<a href="#">151TA9078</a>
M1 7/8JIC-M1 5/8SAE	1 7/8-12	1 5/8-12	27.5	15.09	64.3	33	27.5	50	<a href="#">151TA9079</a>
M1 7/8JIC-M1 7/8SAE	1 7/8-12	1 7/8-12	27.5	15.09	60.2	33	33	55	<a href="#">124TA3750</a>
M2 1/2JIC-M2 1/2SAE	2 1/2-12	2 1/2-12	33.9	15.09	70.6	45	45	70	<a href="#">151TA9081</a>

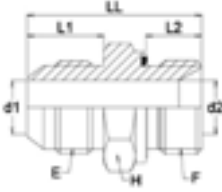
## ADAPTOR - MALE JIC / MALE METRIC 60°

Description	E JIC	F Metric	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M7/16JIC-MM10x1	7/16-20	M10x1.0	14	8	29	4.4	3	14	<a href="#">151TA9115</a>
M1/2JIC-MM12x1.5	1/2-20	M12x1.5	14	10	30	6	4	17	<a href="#">151TA9116</a>
M9/16JIC-MM12x1.5	9/16-18	M12x1.5	14.1	10	31	7.5	4	17	<a href="#">151TA9117</a>
M9/16JIC-MM14x1.5	9/16-18	M14x1.5	14.1	11	33	7.5	6	19	<a href="#">151TA9118</a>
M7/16JIC-MM16x1.5	7/16-20	M16x1.5	14	12	36	4.4	8	22	<a href="#">167TA8293</a>
M9/16JIC-MM16x1.5	9/16-18	M16x1.5	14.1	12	35	7.5	7.5	22	<a href="#">167TA8294</a>
M3/4JIC-MM16x1.5	3/4-16	M16x1.5	16.7	12	37.5	9.9	8	22	<a href="#">107TA6114</a>
M7/8JIC-MM16x1.5	7/8-14	M16x1.5	19.3	12	41.5	12.3	8	24	<a href="#">151TA9120</a>
M9/16JIC-MM18x1.5	9/16-18	M18x1.5	14.1	12	34	7.5	10	24	<a href="#">151TA9121</a>
M3/4JIC-MM18x1.5	3/4-16	M18x1.5	16.7	12	36.5	10	10	24	<a href="#">151TA9122</a>
M7/8JIC-MM18x1.5	7/8-14	M18x1.5	19.3	12	42	12.3	10	24	<a href="#">151TA9123</a>
M1 1/16JIC-MM18x1.5	1 1/16-12	M18x1.5	21.9	12	45.5	15.5	10	27	<a href="#">167TA8295</a>
M3/4JIC-MM20x1.5	3/4-16	M20x1.5	16.7	14	40	7.5	12.3	27	<a href="#">167TA8296</a>
M3/4JIC-MM22x1.5	3/4-16	M22x1.5	16.7	14	41	9.9	14.1	27	<a href="#">167TA4785</a>
M7/8JIC-MM22x1.5	7/8-14	M22x1.5	19.3	14	43.5	12.3	12.3	27	<a href="#">124TA3836</a>
M1 1/16JIC-MM22x1.5	1 1/16-12	M22x1.5	21.9	14	47	14.1	14.1	30	<a href="#">151TA9126</a>

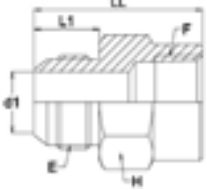


## ADAPTOR - MALE JIC / MALE METRIC CAPTIVE SEAL

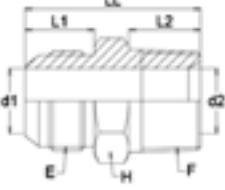
Description	E JIC	F Metric	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M7/16JIC-MM10x1 ED	7/16-20	M10x1	14	8	31	4	4	14	<a href="#">167TA8297</a>
M7/16JIC-MM12x1.5 ED	7/16-20	M12x1.5	14	12	33.5	4.4	6	17	<a href="#">125TA4888</a>
M1/2JIC-MM12x1.5 ED	1/2-20	M12x1.5	14	12	33.5	6	6	17	<a href="#">124TA3720</a>
M1/2JIC-MM14x1.5 ED	1/2-20	M14x1.5	14	12	33.4	6	6	19	<a href="#">167TA8298</a>
M9/16JIC-MM12x1.5 ED	9/16-18	M12x1.5	14.1	12	33.5	7	7	19	<a href="#">167TA8299</a>
M9/16JIC-MM14x1.5 ED	9/16-18	M14x1.5	14.1	12	33.5	7	7	19	<a href="#">167TA8300</a>
M9/16JIC-MM16x1.5 ED	9/16-18	M16x1.5	14.1	12	35	7.5	7.5	22	<a href="#">167TA8301</a>
M3/4JIC-MM16x1.5 ED	3/4-16	M16x1.5	16.7	12	37.6	9	9	22	<a href="#">167TA8302</a>
M3/4JIC-MM18x1.5 ED	3/4-16	M18x1.5	16.7	12	39.1	9.9	9.9	24	<a href="#">125TA4893</a>
M3/4JIC-MM22x1.5 ED	3/4-16	M22x1.5	16.7	14	40.3	9.9	14.1	27	<a href="#">167TA8303</a>
M7/8JIC-MM22x1.5 ED	7/8-14	M22x1.5	19.3	14	42.9	12.3	14.1	27	<a href="#">125TA4895</a>
M1 1/16JIC-MM18x1.5 ED	1 1/16-12	M18x1.5	21.9	12	43.5	15.5	11	27	<a href="#">167TA8304</a>
M1 1/16JIC-MM26x1.5 ED	1 1/16-12	M26x1.5	21.9	16	48.4	15.5	15.5	32	<a href="#">167TA8305</a>
M1 1/16JIC-MM27x2 ED	1 1/16-12	M27x2	21.9	16	48.4	15.5	15.5	32	<a href="#">167TA8306</a>
M1 1/16JIC-MM30x1.5 ED	1 1/16-12	M30x1.5	21.9	16	48.4	15.5	15.5	36	<a href="#">167TA8307</a>
M1 5/16JIC-MM33x2 ED	1 5/16-12	M33x2	23.1	18	51.6	21.5	21.5	41	<a href="#">167TA8308</a>



## ADAPTOR - MALE JIC / FEMALE NPT

	Description	E JIC	F NPT	L1 mm	LL mm	d1 mm	H mm	REF
	M7/16JIC-F1/8NPT	7/16-20	1/8-27	14	30.2	4.4	16	<a href="#">167TA4902</a>
	M7/16JIC-F1/4NPT	7/16-20	1/4-18	14	35.3	4.4	19	<a href="#">124TA3862</a>
	M1/2JIC-F1/8NPT	1/2-20	1/8-27	14	29.7	6	16	<a href="#">167TA5104</a>
	M1/2JIC-F1/4NPT	1/2-20	1/4-18	14	35.3	6	19	<a href="#">167TA5022</a>
	M9/16JIC-F1/4NPT	9/16-18	1/4-18	14.1	35.6	7.5	19	<a href="#">167TA4698</a>
	M9/16JIC-F3/8NPT	9/16-18	3/8-18	14.1	37.1	7.5	22	<a href="#">167TA5075</a>
	M3/4JIC-F1/4NPT	3/4-16	1/4-18	16.7	39.3	9.9	19	<a href="#">167TA8309</a>
	M3/4JIC-F3/8NPT	3/4-16	3/8-18	16.7	39.6	9.9	22	<a href="#">167TA5023</a>
	M3/4JIC-F1/2NPT	3/4-16	1/2-14	16.7	45.5	9.9	29	<a href="#">167TA4955</a>
	M7/8JIC-F1/2NPT	7/8-14	1/2-14	19.3	48	12.3	30	<a href="#">124TA3869</a>
	M1 1/16JIC-F1/2NPT	1 1/16-12	1/2-14	21.9	48	14.3	30	<a href="#">167TA4727</a>
	M1 1/16JIC-F3/4NPT	1 1/16-12	3/4-14	21.9	52.3	15.5	36	<a href="#">167TA5127</a>
	M1 5/16JIC-F1 NPT	1 5/16-12	1-11.5	23.1	59.7	21.5	41	<a href="#">167TA4977</a>
	M1 5/8JIC-F1 1/4NPT	1 5/8-12	1 1/4-11.5	24.3	63.2	27.5	50	<a href="#">167TA5257</a>
	M1 7/8JIC-F1 1/2NPT	1 7/8-12	1 1/2-11.5	27.5	66.5	33	60	<a href="#">167TA5078</a>
	M2 1/2JIC-F2 NPT	2 1/2-12	2-11.5	33.9	75.4	45	75	<a href="#">124TA3876</a>

## ADAPTOR - MALE JIC / MALE NPT

	Description	E JIC	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
	M5/16JIC-M1/8NPT	5/16-24	1/8-27	11.4	9.7	28.2	1.6	4.5	11	<a href="#">167TA4688</a>
	M3/8JIC-M1/8NPT	3/8-24	1/8-27	12.2	9.7	29	3.2	4.5	11	<a href="#">167TA4989</a>
	M7/16JIC-M1/8NPT	7/16-20	1/8-27	14	9.7	31	4.4	4.4	12	<a href="#">124TA4390</a>
	M1/2JIC-M1/8NPT	1/2-20	1/8-27	14	9.7	31	6	4.5	14	<a href="#">124TA3430</a>
	M9/16JIC-M1/8NPT	9/16-18	1/8-27	14.1	9.7	31.5	7.5	4.5	17	<a href="#">167TA4973</a>
	M7/16JIC-M1/4NPT	7/16-20	1/4-18	14	14.2	36	4.4	6	14	<a href="#">124TA4391</a>
	M1/2JIC-M1/4NPT	1/2-20	1/4-18	14	14.2	36	6	6	14	<a href="#">124TA3431</a>
	M9/16JIC-M1/4NPT	9/16-18	1/4-18	14.1	14.2	36.3	7.5	6	17	<a href="#">124TA4394</a>
	M3/4JIC-M1/4NPT	3/4-16	1/4-18	16.7	14.2	38.9	9.9	6	19	<a href="#">124TA4396</a>
	M7/16JIC-M3/8NPT	7/16-20	3/8-18	14	14.2	36.1	4.4	9	19	<a href="#">124TA4392</a>
	M1/2JIC-M3/8NPT	1/2-20	3/8-18	14	14.2	36.1	6	9	19	<a href="#">151TA9178</a>
	M9/16JIC-M3/8NPT	9/16-18	3/8-18	14.1	14.2	36.4	7.5	9	19	<a href="#">124TA4395</a>
	M3/4JIC-M3/8NPT	3/4-16	3/8-18	16.7	14.2	38.9	9.9	9.9	19	<a href="#">124TA4397</a>
	M7/8JIC-M3/8NPT	7/8-14	3/8-18	19.3	14.2	43.2	12.3	9	24	<a href="#">124TA3440</a>
	M9/16JIC-M1/2NPT	9/16-18	1/2-14	14.1	19	42.9	7.5	12	22	<a href="#">167TA4889</a>
	M3/4JIC-M1/2NPT	3/4-16	1/2-14	16.7	19	45.5	9.9	9.9	22	<a href="#">124TA4398</a>
	M7/8JIC-M1/2NPT	7/8-14	1/2-14	19.3	19	48	12.3	12.3	24	<a href="#">124TA3441</a>
	M1 1/16JIC-M1/2NPT	1 1/16-12	1/2-14	21.9	19	52.3	15.5	12	27	<a href="#">167TA5138</a>
	M1 5/16JIC-M1/2NPT	1 5/16-12	1/2-14	23.1	19	53.6	16.4	12	27	<a href="#">167TA4935</a>
	M7/16JIC-M3/4NPT	7/16-20	1/2-14	24.3	19	36	21.5	12	27	<a href="#">151TA9187</a>
	M9/16JIC-M3/4NPT	9/16-18	3/4-14	14.1	19	44.4	7.5	16.5	27	<a href="#">151TA9188</a>
	M3/4JIC-M3/4NPT	3/4-16	3/4-14	16.7	19	47	9.9	16.5	27	<a href="#">124TA3439</a>
	M7/8JIC-M3/4NPT	7/8-14	3/4-14	19.3	19	49.5	12.3	16.5	27	<a href="#">124TA3442</a>
	M1 1/16JIC-M3/4NPT	1 1/16-12	3/4-14	21.9	19	52.3	15.5	15.5	27	<a href="#">167TA5072</a>
	M1 3/16JIC-M3/4NPT	1 3/16-12	3/4-14	22.6	19	53.1	18	16.5	32	<a href="#">151TA9192</a>
	M1 5/16JIC-M3/4NPT	1 5/16-12	3/4-14	23.1	19	53.6	21.5	16.5	36	<a href="#">167TA5051</a>
	M3/4JIC-M1 NPT	3/4-16	1-11.5	16.7	23.9	47	27.5	21.5	36	<a href="#">151TA9194</a>
	M1 1/16JIC-M1 NPT	1 1/16-12	1-11.5	21.9	23.9	57.1	15.5	21.5	36	<a href="#">167TA5090</a>
	M1 5/16JIC-M1 NPT	1 5/16-12	1-11.5	23.1	23.9	58.4	21.5	21.5	36	<a href="#">124TA3448</a>
	M1 5/8JIC-M1 NPT	1 5/8-12	1-11.5	24.3	23.9	61.4	27.5	21.5	46	<a href="#">167TA5092</a>
M1 5/8JIC-M1 1/4NPT	1 5/8-12	1 1/4-11.5	24.3	24.6	62.2	27.5	27.5	46	<a href="#">124TA4399</a>	

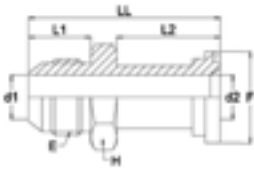
# ADAPTORS TYPE JIC

## ADAPTOR - MALE JIC / MALE NPT

Description	E JIC	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 7/8JIC-M1 1/4NPT	1 7/8-12	1 1/4-11.5	27.5	24.6	67.3	33	28.5	50	<a href="#">167TA5221</a>
M1 7/8JIC-M1 1/2NPT	1 7/8-12	1 1/2-11.5	27.5	25.4	68.1	33	33	50	<a href="#">124TA3452</a>
M2 1/2JIC-M2 NPT	2 1/2-12	2-11.5	33.9	26.2	79	45	45	65	<a href="#">167TA5074</a>

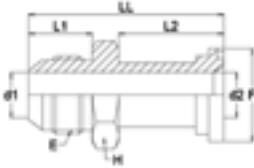
## ADAPTOR - MALE JIC / BRIDES SAE 3000

Description	E JIC	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M3/4JIC-BR3 30.1	3/4-16	30.1	17	13.5	37.5	9.9	9.9	21	<a href="#">167TA4850</a>
M1 1/16JIC-BR3 38.1	1 1/16-12	38.1	22	30.5	62	15	15	27	<a href="#">167TA4616</a>
M1 1/16JIC-BR3 44.5	1 1/16-12	44.5	22	34	62	16	16	30	<a href="#">167TA5264</a>
M1 5/16JIC-BR3 44.5	1 5/16-12	44.5	23.5	34	66	16	16	36	<a href="#">167TA4855</a>
M1 5/8JIC-BR3 50.8	1 5/8-12	50.8	24.5	33.5	67	26	26	42	<a href="#">167TA5004</a>
M1 7/8JIC-BR3 60.3	1 7/8-12	60.3	27	35.5	74	32	32	50	<a href="#">167TA4864</a>



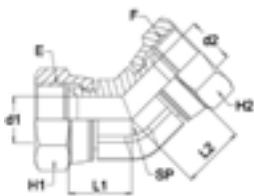
## ADAPTOR - MALE JIC / BRIDES SAE 6000

Description	E JIC	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M7/8JIC-BR6 31.8	7/8-14	31.8	19.5	32	60	10	10	22	<a href="#">167TA4665</a>
M1 1/16JIC-BR6 31.8	1 1/16-12	31.8	22.5	32.5	63.5	10	10	27	<a href="#">167TA4853</a>
M1 1/16JIC-BR6 41.4	1 1/16-12	41.4	22	41	72.5	15	15	27	<a href="#">167TA4635</a>
M1 5/16JIC-BR6 41.4	1 5/16-12	41.4	23.5	41.5	74	15	15	36	<a href="#">167TA4862</a>
M1 5/16JIC-BR6 47.8	1 5/16-12	47.8	23	48.5	80.5	20	20	36	<a href="#">167TA4863</a>
M1 5/8JIC-BR6 47.8	1 5/8-12	47.8	24	48	82	20	20	42	<a href="#">167TA4731</a>
M1 5/8JIC-BR6 54.1	1 5/8-12	54.1	24	56.5	90.5	26	26	42	<a href="#">167TA4633</a>
M1 7/8JIC-BR6 54.1	1 7/8-12	54.1	28	39	78.5	33.5	28	54	<a href="#">167TA4840</a>
M1 7/8JIC-BR6 63.5	1 7/8-12	63.5	27	43	81.5	33	28	50	<a href="#">167TA4772</a>

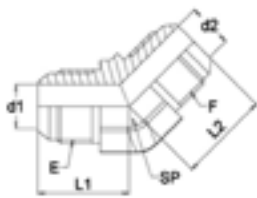


## 45° ADAPTOR - FEMALE SWIVEL JIC / FEMALE SWIVEL JIC

Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	H2 mm	SP	REF
FS7/16JIC-FS7/16JIC 45°	7/16-20	7/16-20	9	9	4	4	15	15	11	<a href="#">167TA8310</a>
FS1/2JIC-FS1/2JIC 45°	1/2-20	1/2-20	9.5	9.5	4.5	4.5	17	17	11	<a href="#">167TA8311</a>
FS9/16JIC-FS9/16JIC 45°	9/16-18	9/16-18	10.5	10.5	7	7	19	19	14	<a href="#">151TA8639</a>
FS3/4JIC-FS3/4JIC 45°	3/4-16	3/4-16	21.8	21.8	9.9	9.9	22	22	19	<a href="#">167TA8312</a>
FS7/8JIC-FS7/8JIC 45°	7/8-14	7/8-14	23.9	23.9	12.3	12.3	27	27	22	<a href="#">167TA8313</a>
FS1 1/16JIC-FS1 1/16JIC 45°	1 1/16-12	1 1/16-12	23.8	23.8	15.5	15.5	32	32	27	<a href="#">167TA8314</a>
FS1 5/16JIC-FS1 5/16JIC 45°	1 5/16-12	1 5/16-12	29.3	29.3	21.5	21.5	41	41	33	<a href="#">167TA8315</a>

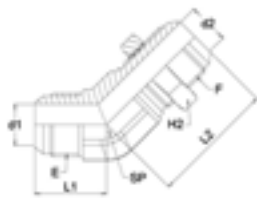


### 45° ADAPTOR - MALE JIC / MALE JIC



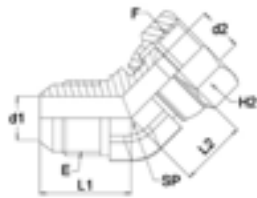
Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M7/16JIC-M7/16JIC 45°	7/16-20	7/16-20	18.3	18.3	4.4	4.4	11	<a href="#">167TA4643</a>
M1/2JIC-M1/2JIC 45°	1/2-20	1/2-20	19.6	19.6	6	6	13	<a href="#">167TA4644</a>
M9/16JIC-M9/16JIC 45°	9/16-18	9/16-18	21.1	21.1	7.5	7.5	14	<a href="#">167TA4645</a>
M3/4JIC-M3/4JIC 45°	3/4-16	3/4-16	24.9	24.9	9.9	9.9	19	<a href="#">167TA4773</a>
M7/8JIC-M7/8JIC 45°	7/8-14	7/8-14	28.2	28.2	12.3	12.3	22	<a href="#">167TA4814</a>
M1 1/16JIC-M1 1/16JIC 45°	1 1/16-12	1 1/16-12	32.5	32.5	15.5	15.5	27	<a href="#">167TA8316</a>

### 45° ADAPTOR - MALE JIC / BULKHEAD MALE JIC + LOCKNUT



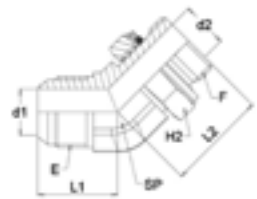
Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M7/16JIC 45° BL	7/16-20	7/16-20	18.3	38.9	4.4	4.4	17	11	<a href="#">167TA5249</a>
M1/2JIC-M1/2JIC 45° BL	1/2-20	1/2-20	19.6	42.2	6	6	19	13	<a href="#">124TA3985</a>
M9/16JIC-M9/16JIC 45° BL	9/16-16	9/16-16	21.1	42.4	7.5	7.5	22	14	<a href="#">167TA5087</a>
M3/4JIC-M3/4JIC 45° BL	3/4-16	3/4-16	24.9	49.3	9.9	9.9	24	19	<a href="#">167TA8317</a>
M7/8JIC-M7/8JIC 45° BL	7/8-14	7/8-14	28.2	55.1	12.3	12.3	30	22	<a href="#">167TA5172</a>
M1 1/16JIC-M1 1/16JIC 45° BL	1 1/16-12	1 1/16-12	32.5	62	15.5	15.5	36	27	<a href="#">167TA4962</a>
M1 5/16JIC-1 5/16JIC- 45° BL	1 5/16-12	1 5/16-12	37.3	65	21.5	21.5	41	33	<a href="#">167TA5308</a>

### 45° ADAPTOR - MALE JIC / FEMALE SWIVEL JIC



Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-FS7/16JIC 45°	7/16-20	7/16-20	18.3	15.2	4.4	4.4	14	11	<a href="#">167TA5255</a>
M1/2JIC FS1/2JIC 45°	1/2-20	1/2-20	19.6	15.9	6	6	17	13	<a href="#">167TA5168</a>
M9/16JIC-FS9/16JIC 45°	9/16-18	9/16-18	21.1	18.9	7.5	7.5	19	14	<a href="#">124TA4015</a>
M3/4JIC-FS3/4JIC 45°	3/4-16	3/4-16	24.9	21.8	9.9	9.9	22	19	<a href="#">124TA4016</a>
M7/8JIC-FS7/8JIC 45°	7/8-14	7/8-14	28.2	23.9	12.3	12.3	27	22	<a href="#">167TA4948</a>
M1 1/16JIC-FS1 1/16JIC 45°	1 1/16-12	1 1/16-12	32.5	23.8	15.5	15.5	32	27	<a href="#">124TA4018</a>
M1 3/16JIC-FS1 3/16JIC 45°	1 3/16-12	1 3/16-12	35.5	26.6	16.5	16.5	36	27	<a href="#">124TA4019</a>
M1 5/16JIC-FS1 5/16JIC 45°	1 5/16-12	1 5/16-12	37.3	29.3	21.5	21.5	41	33	<a href="#">124TA4020</a>
M1 5/8JIC-FS1 5/8JIC 45°	1 5/8-12	1 5/8-12	40.4	35.7	27.5	27.5	50	41	<a href="#">167TA5002</a>
M1 7/8JIC-FS1 7/8JIC 45°	1 7/8-12	1 7/8-12	45.2	38.6	33	33	55	48	<a href="#">124TA4022</a>

### 45° ADAPTOR - MALE JIC / ADJUSTABLE MALE BSP



Description	E JIC	F GAS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M1/8BSP OR 45°	7/16-20	1/8-19	18.3	26.5	4.4	4.4	14	12	<a href="#">124TA3683</a>
M7/16JIC-M1/4BSP OR 45°	7/16-20	1/4-19	20.8	29	4.4	7.5	19	14	<a href="#">167TA8318</a>
M1/2JIC-M1/4BSP OR 45°	1/2-20	1/4-19	20.8	29	6	7.5	19	14	<a href="#">167TA8319</a>
M9/16JIC-M1/4BSP OR 45°	9/16-18	1/4-19	21.1	29	7.5	7.5	19	14	<a href="#">167TA4922</a>
M9/16JIC-M3/8BSP OR 45°	9/16-18	3/8-19	21.1	29	7.5	7.5	19	14	<a href="#">160TA3787</a>
M3/4JIC-M1/4BSP OR 45°	3/4-16	1/4-19	24.9	33	9.9	7.5	19	19	<a href="#">167TA8321</a>
M3/4JIC-M3/8BSP OR 45°	3/4-16	3/8-19	24.9	33	9.9	9.9	22	19	<a href="#">152TA9431</a>
M3/4JIC-M1/2BSP OR 45°	3/4-16	1/2-14	25.2	38.5	9.9	12.3	27	22	<a href="#">167TA4858</a>
M7/8JIC-M1/2BSP OR 45°	7/8-14	1/2-14	28.2	38.5	12.3	12.3	27	22	<a href="#">167TA4693</a>
M7/8JIC-M3/4BSP OR 45°	7/8-14	3/4-14	30.1	41	14.3	14.3	33	27	<a href="#">125TA4869</a>
M1 1/16JIC-M3/4BSP OR 45°	1 1/16-12	3/4-14	32.5	44	15.5	15.5	36	27	<a href="#">167TA5252</a>
M1 5/16JIC-M1 BSP OR 45°	1 5/16-12	1-11	37.3	47	21.5	21.5	41	33	<a href="#">124TA3689</a>
M1 5/8JIC-M1 1/4BSP OR 45°	1 5/8-12	1 1/4-11	40.4	48	27.5	27.5	50	41	<a href="#">124TA3690</a>

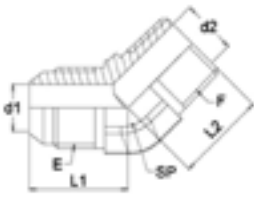
# ADAPTORS TYPE JIC

## 45° ADAPTOR - MALE JIC / ADJUSTABLE MALE BSP

Description	E JIC	F GAS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1 7/8JIC-M1 1/2BPS OR 45°	1 7/8-12	1 1/2-11	45.2	48	33	33	55	48	<a href="#">167TA4876</a>

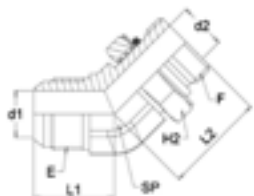
## 45° ADAPTOR - MALE JIC / MALE BSPT

Description	E JIC	F BSPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M7/16JIC-M1/8BSPT 45°	7/16-20	1/8-28	18.3	16	4.4	4.5	11	<a href="#">124TA3613</a>
M7/16JIC-M1/4BSPT 45°	7/16-20	1/4-19	20.8	19	4.4	7	14	<a href="#">124TA3614</a>
M1/2JIC-M1/4BSPT 45°	1/2-20	1/4-19	20.8	19	6	7	14	<a href="#">124TA3616</a>
M9/16JIC-M1/4BSPT 45°	9/16-18	1/4-19	21.1	19	7.5	7	14	<a href="#">124TA3617</a>
M9/16JIC-M3/8BSPT 45°	9/16-18	3/8-19	22.1	22	7.5	10	19	<a href="#">124TA3618</a>
M9/16JIC-M1/2BSPT 45°	9/16-18	1/2-14	22.4	26	7.5	13	22	<a href="#">124TA3619</a>
M3/4JIC-M1/4BSPT 45°	3/4-16	1/4-19	24.9	21	9.9	7	19	<a href="#">151TA9011</a>
M3/4JIC-M3/8BSPT 45°	3/4-16	3/8-19	24.9	22	9.9	10	19	<a href="#">124TA3620</a>
M3/4JIC-M3/4BSPT 45°	3/4-16	3/4-14	25.2	24	11.1	12	22	<a href="#">151TA9013</a>
M7/8JIC-M1/2BSPT 45°	7/8-14	1/2-14	28.2	26	12.3	13	22	<a href="#">124TA3622</a>
M1 1/16JIC-M3/4BSPT 45°	1 1/16-12	3/4-14	32.5	30	15.5	18	27	<a href="#">167TA5230</a>
M1 5/16JIC-M1 BSPT 45°	1 5/16-12	1-11	37.3	34	21.5	24	33	<a href="#">124TA3624</a>



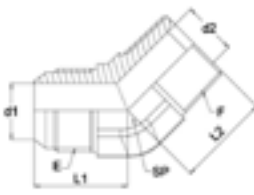
## 45° ADAPTOR - MALE JIC / ADJUSTABLE MALE SAE

Description	E JIC	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M7/16UNF OR 45°	7/16-20	7/16-20	18.3	26.7	4.4	4.4	14	12	<a href="#">124TA3787</a>
M1/2JIC-M1/2UNF OR 45°	1/2-20	1/2-20	19.6	26.7	6	6	17	13	<a href="#">167TA5034</a>
M9/16JIC-M9/16UNF OR 45°	9/16-18	9/16-18	21.1	29	7.5	7.5	17	14	<a href="#">124TA3789</a>
M9/16JIC-M3/4UNF OR 45°	9/16-18	3/4-16	22.1	33	7.5	9.9	22	19	<a href="#">167TA8322</a>
M3/4JIC-M9/16UNF OR 45°	3/4-16	9/16-18	24.9	29.7	9.9	7.5	17	19	<a href="#">167TA8323</a>
M3/4JIC-M3/4UNF OR 45°	3/4-16	3/4-16	24.9	33	9.9	9.9	22	19	<a href="#">124TA3791</a>
M3/4JIC-M7/8UNF OR 45°	3/4-16	7/8-14	25.2	38.6	9.9	12.3	27	22	<a href="#">124TA3793</a>
M7/8JIC-M3/4UNF OR 45°	7/8-14	3/4-16	28.2	34.5	12.3	9.9	22	22	<a href="#">167TA8324</a>
M7/8JIC-M7/8UNF OR 45°	7/8-14	7/8-14	28.2	38.6	12.3	12.3	27	22	<a href="#">124TA3794</a>
M1 1/16JIC-M7/8UNF OR 45°	1 1/16-12	7/8-14	32.5	39.8	15.5	12.3	27	27	<a href="#">124TA3797</a>
M1 1/16JIC-M1 1/16UNF OR 45°	1 1/16-12	1 1/16-12	32.5	43.9	15.5	15.5	32	27	<a href="#">124TA3796</a>
M1 3/16JIC-M1 3/16UNF OR 45°	1 3/16-12	1 3/16-12	35.3	45.5	16.3	16.3	36	33	<a href="#">124TA3798</a>
M1 5/16JIC-M1 5/16UNF OR 45°	1 5/16-12	1 5/16-12	37.3	47.2	21.5	21.5	41	33	<a href="#">124TA3799</a>
M1 5/8JIC-M1 5/8UNF OR 45°	1 5/8-12	1 5/8-12	40.4	48.5	27.5	27.5	50	41	<a href="#">167TA5202</a>
M1 7/8JIC-M1 7/8UNF OR 45°	1 7/8-12	1 7/8-12	45.2	48.5	33	33	55	48	<a href="#">124TA3801</a>



## 45° ADAPTOR - MALE JIC / MALE NPT

Description	E JIC	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M5/16JIC-M1/8NPT 45°	5/16-24	1/8-27	17	17	3.2	4.4	11	<a href="#">151TA9202</a>
M3/8JIC-M1/8NPT 45°	3/8-24	1/8-27	19	17	3.2	4.4	11	<a href="#">151TA9203</a>
M7/16JIC-M1/8NPT 45°	7/16-20	1/8-27	17	21.5	4.4	4.4	11	<a href="#">161TA4230</a>
M7/16JIC-M1/4NPT 45°	7/16-20	1/4-18	21	22.3	4.4	6	14	<a href="#">167TA5234</a>
M1/2JIC-M1/8NPT 45°	1/2-20	1/8-27	18	22.3	6	4.4	14	<a href="#">167TA5086</a>
M9/16JIC-M1/8NPT 45°	9/16-18	1/8-27	17.3	22.8	7.5	5.3	14	<a href="#">151TA9206</a>
M1/2JIC-M1/4NPT 45°	1/2-20	1/4-18	21	22.3	6	6	14	<a href="#">167TA5011</a>
M9/16JIC-M1/4NPT 45°	9/16-18	1/4-18	21.1	21.8	7.5	6	14	<a href="#">167TA5136</a>
M3/4JIC-M1/4NPT 45°	3/4-16	1/4-18	22	26.8	9.9	7.2	19	<a href="#">167TA5200</a>

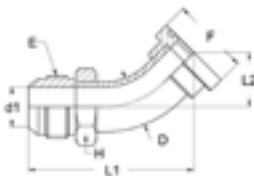


### 45° ADAPTOR - MALE JIC / MALE NPT

Description	E JIC	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M9/16JIC-M3/8NPT 45°	9/16-18	3/8-18	24	24	7.5	9	19	<a href="#">167TA5145</a>
M3/4JIC-M3/8NPT 45°	3/4-16	3/8-18	24.9	24.1	9.9	9	19	<a href="#">167TA4984</a>
M7/8JIC-M3/8NPT 45°	7/8-14	3/8-18	30	26	12.3	8.5	22	<a href="#">167TA5123</a>
M9/16JIC-M1/2NPT 45°	9/16-18	1/2-14	29.5	25	7.5	12	22	<a href="#">124TA3511</a>
M3/4JIC-M1/2NPT 45°	3/4-16	1/2-14	29.5	28	9.9	12	22	<a href="#">167TA4899</a>
M7/8JIC-M1/2NPT 45°	7/8-14	1/2-14	29.5	31	12.3	12	22	<a href="#">167TA8325</a>
M1 1/16JIC-M1/2NPT 45°	1 1/16-12	1/2-14	31	35.5	15.5	12	27	<a href="#">167TA4921</a>
M3/4JIC-M3/4NPT 45°	3/4-16	3/4-14	26.4	30.5	9.9	16.5	27	<a href="#">151TA9218</a>
M1 1/16JIC-M3/4NPT 45°	1 1/16-12	3/4-14	32.5	30.5	15.5	16.5	27	<a href="#">167TA5196</a>
M1 3/16JIC-M3/4NPT 45°	1 3/16-12	3/4-14	35.5	30.5	18	16.5	33	<a href="#">151TA9220</a>
M1 5/16JIC-M3/4NPT 45°	1 5/16-12	3/4-14	36.5	38.5	21.5	17	33	<a href="#">167TA5301</a>
M1 1/16JIC-M1 NPT 45°	1 1/16-12	1-11.5	38.5	38.5	21.5	22.5	33	<a href="#">167TA8326</a>
M1 5/16JIC-M1 NPT 45°	1 5/16-12	1-11.5	39	38.5	21.5	22.5	33	<a href="#">167TA4666</a>
M1 5/8JIC-M1 1/4NPT 45°	1 5/8-12	1 1/4-11.5	40.4	42.4	27.5	28.5	41	<a href="#">151TA9224</a>
M1 7/8JIC-M1 1/2NPT 45°	1 7/8-12	1 1/2-11.5	45.2	45	33	35	48	<a href="#">167TA5236</a>

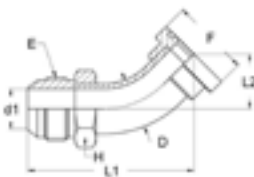
### 45° ADAPTOR - MALE JIC / BRIDES SAE 3000

Description	E JIC	F SAE	L1 mm	L2 mm	D mm	d1 mm	H mm	REF
M3/4JIC-BR3 30.1 45°	7/8-14	30.1	75	40	14	10	22	<a href="#">167TA4827</a>
M1 1/16JIC-BR3 38.1 45°	1 1/16-12	38.1	70	25	20	15	27	<a href="#">167TA4669</a>
M1 5/16JIC-BR3 44.5 45°	1 5/16-12	44.5	90	45	20	15	36	<a href="#">167TA4837</a>
M1 5/8JIC-BR3 50.8 45°	1 5/8-12	50.8	100	40	32	26	42	<a href="#">167TA4656</a>
M1 7/8JIC-BR3 60.3 45°	1 7/8-12	60.3	94	30	38	32	50	<a href="#">167TA4632</a>



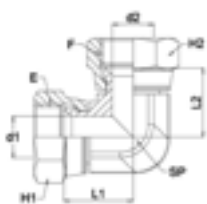
### 45° ADAPTOR - MALE JIC / BRIDES SAE 6000

Description	E JIC	F SAE	L1 mm	L2 mm	D mm	d1 mm	H mm	REF
M7/8JIC-BR6 31.8 45°	7/8-14	31.8	75	35	14	10	22	<a href="#">151TA9411</a>
M1 1/16JIC-BR6 41.4 45°	1 1/16-12	41.4	100	35	22	15	32	<a href="#">151TA9413</a>
M1 5/16JIC-BR6 41.4 45°	1 5/16-12	41.4	40	73	20	16	36	<a href="#">151TA9414</a>
M1 5/16JIC-BR6 47.8 45°	1 5/16-12	47.8	103	35	26	21	36	<a href="#">151TA9415</a>
M1 5/8JIC-BR6 47.8 45°	1 5/8-12	47.8	105	45	26	20	42	<a href="#">151TA9416</a>
M1 5/8JIC-BR6 54.1 45°	1 5/8-12	54.1	110	55	32	26	42	<a href="#">151TA9417</a>
M1 7/8JIC-BR6 63.5 45°	1 7/8-12	63.5	150	55	38	30	50	<a href="#">151TA9419</a>



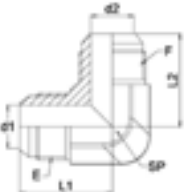
### 90° ADAPTOR - FEMALE SWIVEL JIC / FEMALE SWIVEL JIC

Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H1 mm	H2 mm	SP	REF
FS7/16JIC-FS7/16JIC 90°	7/16-20	7/16-20	16.7	16.7	4.4	4.4	15	15	11	<a href="#">167TA8327</a>
FS1/2JIC-FS1/2JIC 90°	1/2-20	1/2-20	17.4	17.4	6	6	17	17	13	<a href="#">167TA8328</a>
FS9/16JIC-FS9/16JIC 90°	9/16-18	9/16-18	22.3	22.3	7.5	7.5	19	19	14	<a href="#">167TA4779</a>
FS3/4JIC-FS3/4JIC 90°	3/4-16	3/4-16	24.4	24.4	9.9	9.9	19	22	22	<a href="#">167TA4834</a>
FS7/8JIC-FS7/8JIC 90°	7/8-14	7/8-14	28.4	28.4	12.3	12.3	27	27	22	<a href="#">167TA4649</a>
FS1 1/16JIC-FS1 1/16JIC 90°	1 1/16-12	1 1/16-12	30.1	30.1	15.5	15.5	32	32	27	<a href="#">167TA5142</a>
FS1 3/16JIC-FS1 3/16JIC 90°	1 3/16-12	1 3/16-12	30.5	30.5	16.3	16.3	36	36	30	<a href="#">167TA8329</a>
FS1 5/16JIC-FS1 5/16JIC 90°	1 5/16-12	1 5/16-12	30.5	30.5	21.2	21.2	41	41	30	<a href="#">167TA8330</a>



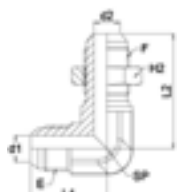
# ADAPTORS TYPE JIC

## 90° ADAPTOR - MALE JIC / MALE JIC



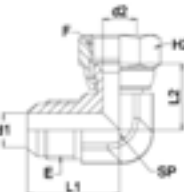
Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M7/16JIC-M7/16JIC 90°	7/16-20	7/16-20	22.6	22.6	4.4	4.4	11	<a href="#">124TA3938</a>
M1/2JIC-M1/2JIC 90°	1/2-20	1/2-20	24.1	24.1	6	6	13	<a href="#">124TA3939</a>
M9/16JIC-M9/16JIC 90°	9/16-18	9/16-18	26.9	26.9	7.5	7.5	14	<a href="#">124TA3940</a>
M3/4JIC-M3/4JIC 90°	3/4-16	3/4-16	31.8	31.8	9.9	9.9	19	<a href="#">124TA3941</a>
M7/8JIC-M7/8JIC 90°	7/8-14	7/8-14	36.8	36.8	12.3	12.3	22	<a href="#">124TA3942</a>
M1 1/16JIC-M1 1/16JIC 90°	1 1/16-12	1 1/16-12	42.2	42.2	15.5	15.5	22	<a href="#">124TA3943</a>
M1 3/16JIC-M1 3/16JIC 90°	1 3/16-12	1 3/16-12	45.7	45.7	18	18	33	<a href="#">124TA3944</a>
M1 5/16JIC-M1 5/16JIC 90°	1 5/16-12	1 5/16-12	46	46	21.5	21.5	33	<a href="#">124TA3945</a>
M1 5/8JIC-M1 5/8JIC 90°	1 5/8-12	1 5/8-12	52.3	52.3	27.5	27.5	41	<a href="#">124TA3946</a>
M1 7/8JIC-M1 7/8JIC 90°	1 7/8-12	1 7/8-12	59.2	59.2	33	33	48	<a href="#">124TA3947</a>

## 90° ADAPTOR - MALE JIC / BULKHEAD MALE JIC + LOCKNUT



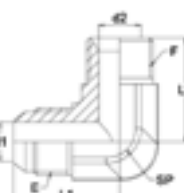
Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M7/16JIC 90° BL	7/16-20	7/16-20	24.6	40.4	4.4	4.4	17	11	<a href="#">167TA5028</a>
M1/2JIC-M1/2JIC 90° BL	1/2-20	1/2-20	26.9	43.7	6	6	19	13	<a href="#">167TA4978</a>
M9/16JIC-M9/16JIC 90° BL	9/16-18	9/16-18	27.7	46	7.5	7.5	22	14	<a href="#">124TA3977</a>
M3/4JIC-M3/4JIC 90° BL	3/4-16	3/4-16	34.5	53.6	9.9	9.9	24	19	<a href="#">124TA3978</a>
M7/8JIC-M7/8JIC 90° BL	7/8-14	7/8-14	39.6	60.7	12.3	12.3	30	22	<a href="#">124TA3979</a>
M1 1/16JIC-M1 1/16JIC 90° BL	1 1/16-12	1 1/16-12	45.2	67.8	15.5	15.5	36	27	<a href="#">124TA3980</a>
M1 5/16JIC-M1 5/16JIC-90° BL	1 5/16-12	1 5/16-12	49.3	71.1	21.5	21.5	41	33	<a href="#">124TA3982</a>
M1 5/8JIC-M1 5/8JIC 90° BL	1 5/8-12	1 5/8-12	55.1	79.2	27.5	27.5	50	41	<a href="#">167TA5015</a>
M1 7/8JIC-M1 7/8JIC 90° BL	1 7/8-12	1 7/8-12	59.4	86.9	33	33	55	48	<a href="#">167TA4872</a>

## 90° ADAPTOR - MALE JIC / FEMALE SWIVEL JIC



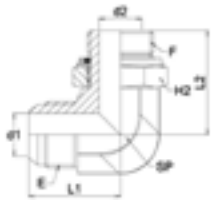
Description	E JIC	F JIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-FS7/16JIC 90°	7/16-20	7/16-20	22.6	16.7	4.4	4.4	14	11	<a href="#">167TA5140</a>
M1/2JIC-FS1/2JIC 90°	1/2-20	1/2-20	24.1	17.4	6	6	17	13	<a href="#">124TA4004</a>
M9/16JIC-FS9/16JIC 90°	9/16-18	9/16-18	26.9	22.3	7.5	7.5	19	14	<a href="#">124TA4005</a>
M3/4JIC-FS3/4JIC 90°	3/4-16	3/4-16	31.8	24.4	9.9	9.9	22	19	<a href="#">124TA4006</a>
M7/8JIC-FS7/8JIC 90°	7/8-14	7/8-14	36.8	28.4	12.3	12.3	27	22	<a href="#">124TA4007</a>
M1 1/16JIC-FS1 1/16JIC 90°	1 1/16-12	1 1/16-12	42.2	30.1	15.5	15.5	32	27	<a href="#">124TA4008</a>
M1 3/16JIC-FS1 3/16JIC 90°	1 3/16-12	1 3/16-12	43.5	31.1	16.3	16.3	36	33	<a href="#">124TA4009</a>
M1 5/16JIC-FS1 5/16JIC 90°	1 5/16-12	1 5/16-12	46	35.7	21.5	21.5	41	33	<a href="#">124TA4010</a>
M1 5/8JIC-FS1 5/8JIC 90°	1 5/8-12	1 5/8-12	52.3	42.8	27.5	27.5	50	41	<a href="#">167TA5271</a>
M1 7/8JIC-FS1 7/8JIC 90°	1 7/8-12	1 7/8-12	59.2	47.2	33	33	55	48	<a href="#">167TA5199</a>

## 90° ADAPTOR - MALE JIC / MALE BSP 60°



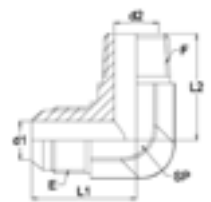
Description	E JIC	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M7/16JIC-M1/4BSP 90°	7/16-20	1/4-19	26.6	26	4.4	4.7	14	<a href="#">151TA8851</a>
M1/2JIC-M1/4BSP 90°	1/2-20	1/4-19	26.6	26	6	4.7	14	<a href="#">151TA8852</a>
M9/16JIC-M3/8BSP 90°	9/16-18	3/8-19	29	30	7.5	7.9	19	<a href="#">151TA8853</a>
M3/4JIC-M1/2BSP 90°	3/4-16	1/2-14	33.8	35	9.9	11.1	22	<a href="#">151TA8854</a>
M7/8JIC-M1/2BSP 90°	7/8-14	1/2-14	36.8	35	12.3	11.1	22	<a href="#">151TA8855</a>
M1 1/16JIC-M3/4BSP 90°	1 1/16-12	3/4-14	42.2	42	15.5	16.7	27	<a href="#">151TA8856</a>
M1 5/16JIC-M1 BSP 90°	1 5/16-12	1-11	46	47	21.5	22.2	33	<a href="#">151TA8857</a>

## 90° ADAPTOR - MALE JIC / ADJUSTABLE MALE BSP



Description	E JIC	F BSP	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M1/8BSP OR 90°	7/16-20	1/8-28	22.6	26.5	4.4	4.4	14	11	<a href="#">124TA3663</a>
M7/16JIC-M1/4BSP OR 90°	7/16-20	1/4-19	26.6	32	4.4	7.5	19	14	<a href="#">160TA3401</a>
M7/16JIC-M3/8BSP OR 90°	7/16-20	3/8-19	28.5	37	4.4	9.9	22	19	<a href="#">167TA8331</a>
M1/2JIC-M1/8BSP OR 90°	1/2-20	1/8-28	24.1	26.5	6	4.4	14	14	<a href="#">167TA8332</a>
M1/2JIC-M1/4BSP OR 90°	1/2-20	1/4-19	26.6	32	6	7.5	19	14	<a href="#">124TA3666</a>
M1/2JIC-M3/8BSP OR 90°	1/2-20	3/8-19	28.5	37	6	9.9	22	19	<a href="#">167TA8333</a>
M9/16JIC-M1/4BSP OR 90°	9/16-18	1/4-19	26.9	32	7.5	7.5	19	14	<a href="#">124TA3667</a>
M9/16JIC-M3/8BSP OR 90°	9/16-18	3/8-19	29	37	7.5	9.9	22	19	<a href="#">124TA3668</a>
M9/16JIC-M1/2BSP OR 90°	9/16-18	1/2-14	31	43	7.5	12.3	27	22	<a href="#">124TA3669</a>
M3/4JIC-M1/4BSP OR 90°	3/4-16	1/4-19	31.8	34.2	9.9	7.5	19	19	<a href="#">167TA5093</a>
M3/4JIC-M3/8BSP OR 90°	3/4-16	3/8-19	31.8	37	9.9	9.9	22	19	<a href="#">124TA3671</a>
M3/4JIC-M1/2BSP OR 90°	3/4-16	1/2-14	33.8	43	9.9	12.3	27	22	<a href="#">124TA3672</a>
M3/4JIC-M3/4BSP OR 90°	3/4-16	3/4-14	36.1	49.5	9.9	15.5	36	27	<a href="#">167TA8334</a>
M7/8JIC-M3/8BSP OR 90°	7/8-14	3/8-19	36.8	37	12.3	9.9	22	22	<a href="#">167TA8335</a>
M7/8JIC-M1/2BSP OR 90°	7/8-14	1/2-14	36.8	43	12.3	12.3	27	22	<a href="#">124TA3673</a>
M7/8JIC-M3/4BSP OR 90°	7/8-14	3/4-14	39.2	49.5	12.3	15.5	36	27	<a href="#">167TA5060</a>
M1 1/16JIC-M1/2BSP OR 90°	1 1/16-12	1/2-14	42.2	49.5	15.5	12.3	27	27	<a href="#">124TA3675</a>
M1 1/16JIC-M3/4BSP OR 90°	1 1/16-12	3/4-14	42.2	49.5	15.5	15.5	36	27	<a href="#">124TA3676</a>
M1 1/16JIC-M1 BSP OR 90°	1 1/16-12	1-11	44.7	52	15.5	21.5	41	33	<a href="#">167TA8336</a>
M1 5/16JIC-M3/4BSP OR 90°	1 5/16-12	3/4-14	46	49.5	21.5	15.5	36	33	<a href="#">124TA3677</a>
M1 5/16JIC-M1 BSP OR 90°	1 5/16-12	1-11	46	52	21.5	21.5	41	33	<a href="#">124TA3678</a>
M1 5/8JIC-M1 BSP OR 90°	1 5/8-12	1-11	52.3	57	27.5	21.5	41	41	<a href="#">124TA3679</a>
M1 5/8JIC-M1 1/4BSP OR 90°	1 5/8-12	1 1/4-11	52.3	57	27.5	27.5	50	41	<a href="#">124TA3680</a>
M1 7/8JIC-M1 1/4BSP OR 90°	1 7/8-12	1 1/4-11	62.5	63	33	27.5	50	48	<a href="#">167TA5137</a>

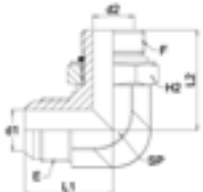
## 90° ADAPTOR - MALE JIC / MALE BSPT



Description	E JIC	F BSPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M7/16JIC-M1/8BSPT 90°	7/16-20	1/8-28	22.6	20	4.4	4.5	11	<a href="#">167TA8337</a>
M7/16JIC-M1/4BSPT 90°	7/16-20	1/4-19	26.6	26	4.4	7	14	<a href="#">124TA3594</a>
M1/2JIC-M1/4BSPT 90°	1/2-20	1/4-19	26.6	26	6	7	14	<a href="#">167TA8338</a>
M9/16JIC-M1/4BSPT 90°	9/16-18	1/4-19	26.9	26	7.5	7	14	<a href="#">167TA8339</a>
M3/4JIC-M1/4BSPT 90°	3/4-16	1/4-19	31.8	29	9.9	7	19	<a href="#">167TA8340</a>
M9/16JIC-M3/8BSPT 90°	9/16-18	3/8-19	29	30	7.5	10	19	<a href="#">124TA3598</a>
M3/4JIC-M3/8BSPT 90°	3/4-16	3/8-19	31.8	30	9.9	10	19	<a href="#">167TA8341</a>
M7/8JIC-M3/8BSPT 90°	7/8-14	3/8-19	36.8	32	12.3	10	22	<a href="#">124TA3603</a>
M9/16JIC-M1/2BSPT 90°	9/16-18	1/2-14	31	36	7.5	13	22	<a href="#">167TA8342</a>
M3/4JIC-M1/2BSPT 90°	3/4-16	1/2-14	33.8	36	9.9	13	22	<a href="#">167TA8343</a>
M7/8JIC-M1/2BSPT 90°	7/8-14	1/2-14	36.8	36	12.3	13	22	<a href="#">151TA9027</a>
M1 1/16JIC-M1/2BSPT 90°	1 1/16-12	1/2-14	42.2	42	15.5	13	27	<a href="#">167TA8344</a>
M7/8JIC-M3/4BSPT 90°	7/8-14	3/4-14	39.2	43	12.3	18	27	<a href="#">167TA8345</a>
M1 1/16JIC-M3/4BPT 90°	1 1/16-12	3/4-14	42.2	43	15.5	18	27	<a href="#">151TA9030</a>
M1 5/16JIC-M3/4BSPT 90°	1 5/16-12	3/4-14	46	46	21.5	18	33	<a href="#">124TA3608</a>
M1 5/16JIC-M1 BSPT 90°	1 5/16-12	1-11	46	50	21.5	24	33	<a href="#">151TA9032</a>
M1 5/8JIC-M1 BSPT 90°	1 5/8-12	1-11	52.3	57	27.5	24	41	<a href="#">167TA8346</a>
M1 5/8JIC-M1 1/4BSPT 90°	1 5/8-12	1 1/4-11	52.3	58	27.5	31	41	<a href="#">167TA8347</a>
M1 7/8JIC-M1 1/2BSPT 90°	1 7/8-12	1 1/2-11	59.2	63	33	38	48	<a href="#">167TA8348</a>

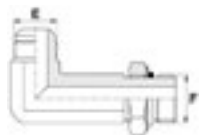
# ADAPTORS TYPE JIC

## 90° ADAPTOR - MALE JIC / ADJUSTABLE MALE SAE



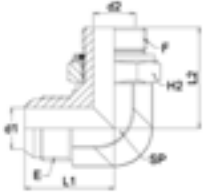
Description	E JIC	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-M7/16UNF OR 90°	7/16-20	7/16-20	22.6	26.2	4.4	4.4	14	11	<a href="#">124TA3759</a>
M7/16JIC-M1/2UNF OR 90°	7/16-20	1/2-20	24.1	28.7	4.4	6	17	13	<a href="#">167TA8349</a>
M7/16JIC-M9/16UNF OR 90°	7/16-20	9/16-18	26.6	31.8	4.4	7.5	17	14	<a href="#">124TA3760</a>
M1/2JIC-M1/2UNF OR 90°	1/2-20	1/2-20	24.1	28.7	6	6	17	13	<a href="#">124TA3761</a>
M1/2JIC-M9/16UNF OR 90°	1/2-20	9/16-18	26.6	31.8	6	7.5	17	14	<a href="#">125TA6251</a>
M9/16JIC-M7/16UNF OR 90°	9/16-18	7/16-20	26.9	30.3	7.5	4.4	14	14	<a href="#">124TA3762</a>
M9/16JIC-M1/2UNF OR 90°	9/16-18	1/2-20	26.9	30.3	7.5	6	17	14	<a href="#">167TA8350</a>
M9/16JIC-M9/16UNF OR 90°	9/16-18	9/16-18	26.9	31.8	7.5	7.5	17	14	<a href="#">107TA6525</a>
M9/16JIC-M3/4UNF OR 90°	9/16-18	3/4-16	29	36.8	7.5	9.9	22	19	<a href="#">124TA3764</a>
M9/16JIC-M7/8UNF OR 90°	9/16-18	7/8-14	31	43.2	7.5	12.3	27	22	<a href="#">124TA3765</a>
M3/4JIC-M9/16UNF OR 90°	3/4-16	9/16-18	31.8	33.5	9.9	7.5	17	19	<a href="#">124TA3767</a>
M3/4JIC-M3/4UNF OR 90°	3/4-16	3/4-16	31.8	36.8	9.9	9.9	22	19	<a href="#">124TA3766</a>
M3/4JIC-M7/8UNF OR 90°	3/4-16	7/8-14	33.8	43.2	9.9	12.3	27	22	<a href="#">124TA3768</a>
M3/4JIC-M1 1/16UNF OR 90°	3/4-16	1 1/16-12	36.1	49.3	9.9	15.5	32	27	<a href="#">124TA3769</a>
M7/8JIC-M3/4UNF OR 90°	7/8-14	3/4-16	36.8	39.1	12.3	9.9	22	22	<a href="#">167TA5041</a>
M7/8JIC-M7/8UNF OR 90°	7/8-14	7/8-14	36.8	43.2	12.3	12.3	27	22	<a href="#">124TA3770</a>
M7/8JIC-M1 1/16UNF OR 90°	7/8-14	1 1/16-12	39.2	49.3	12.3	15.5	32	27	<a href="#">124TA3772</a>
M1 1/16JIC-M3/4UNF OR 90°	1 1/16-12	3/4-16	42.2	41.2	15.5	9.9	22	27	<a href="#">167TA8351</a>
M1 1/16JIC-M7/8UNF OR 90°	1 1/16-12	7/8-14	42.2	45.5	15.5	12.3	27	27	<a href="#">124TA3775</a>
M1 1/16JIC-M1 1/16UNF OR 90°	1 1/16-12	1 1/16-12	42.2	49.3	15.5	15.5	32	27	<a href="#">124TA3773</a>
M1 5/16JIC-M1 1/16UNF OR 90°	1 5/16-12	1 1/16-12	46	52.1	21.5	15.5	32	33	<a href="#">124TA3780</a>
M1 5/16JIC-M1 5/16UNF OR 90°	1 5/16-12	1 5/16-12	46	52.1	21.5	21.5	41	33	<a href="#">124TA3778</a>
M1 5/8JIC-M1 5/8UNF OR 90°	1 5/8-12	1 5/8-12	52.3	57.2	27.5	27.5	50	41	<a href="#">167TA4826</a>
M1 7/8JIC-M1 7/8UNF OR 90°	1 7/8-12	1 7/8-12	59.2	60.7	33	33	55	48	<a href="#">124TA3783</a>

## 90° ADAPTOR - MALE JIC / ADJUSTABLE MALE SAE LONG



Description	E JIC	F SAE	REF
M7/16JIC-M7/16UNF OR 90° LONG	7/16-20	7/16-20	<a href="#">125TA6252</a>
M9/16JIC-M9/16UNF OR 90° LONG	9/16-18	9/16-18	<a href="#">124TA3784</a>
M3/4JIC-M3/4UNF OR 90° LONG	3/4-16	3/4-16	<a href="#">125TA6253</a>
M7/8JIC-M7/8UNF OR 90° LONG	7/8-14	7/8-14	<a href="#">124TA3785</a>
M1 1/16JIC-M1 1/16UNF OR 90° LONG	1 1/16-12	1 1/16-12	<a href="#">124TA3786</a>
M1 5/16JIC-M1 5/16UNF OR 90° LONG	1 5/16-12	1 5/16-12	<a href="#">167TA8353</a>

## 90° ADAPTOR - MALE JIC / ADJUSTABLE MALE METRIC

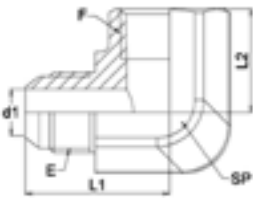


Description	E JIC	F Metric	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M7/16JIC-MM10x1 OR 90°	7/16-20	M10x1	22.6	26.6	4.4	4.5	14	11	<a href="#">167TA8354</a>
M7/16JIC-MM12x1.5 OR 90°	7/16-20	M12x1.5	22.6	31.6	4.4	6	17	13	<a href="#">125TA4902</a>
M1/2JIC-MM12x1.5 OR 90°	1/2-20	M12x1.5	24.1	31.6	6	6	17	13	<a href="#">124TA3721</a>
M9/16JIC-MM14x1.5 OR 90°	9/16-18	M14x1.5	26.9	34.6	7.5	7.5	19	14	<a href="#">124TA3849</a>
M9/16JIC-MM16x1.5 OR 90°	9/16-18	M16x1.5	29	38.1	7.5	9	22	19	<a href="#">167TA8355</a>
M9/16JIC-MM18x1.5 OR 90°	9/16-18	M18x1.5	31.8	38.1	7.5	9	22	19	<a href="#">125TA6257</a>
M3/4JIC-MM16x1.5 OR 90°	3/4-16	M16x1.5	31.8	38.1	9.9	9	22	19	<a href="#">167TA8356</a>
M3/4JIC-MM18x1.5 OR 90°	3/4-16	M18x1.5	31.8	39.1	9.9	11	24	19	<a href="#">124TA3851</a>
M7/8JIC-MM18x1.5 OR 90°	7/8-14	M18x1.5	36.8	40.3	12.3	11	24	22	<a href="#">124TA3852</a>
M7/8JIC-MM20x1.5 OR 90°	7/8-14	M20x1.5	36.8	41.3	12.3	12	27	22	<a href="#">167TA8357</a>
M7/8JIC-MM22x1.5 OR 90°	7/8-14	M22x1.5	36.8	41.3	12.3	14	27	22	<a href="#">167TA8358</a>

### 90° ADAPTOR - MALE JIC / ADJUSTABLE MALE METRIC

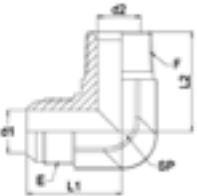
Description	E JIC	F Metric	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1 1/16JIC-MM22x1.5 OR 90°	1 1/16-12	M22x1.5	42.2	44.8	15.5	14	27	27	<a href="#">124TA3853</a>
M1 1/16JIC-MM27x2 OR 90°	1 1/16-12	M27x2	42.2	49.8	15.5	18	32	27	<a href="#">124TA3854</a>
M1 5/16JIC-MM33x2 OR 90°	1 5/16-12	M33x2	46	51.8	21.5	23	41	33	<a href="#">125TA6259</a>

### 90° ADAPTOR - MALE JIC / FEMALE NPT



Description	E JIC	F NPT	L1 mm	L2 mm	d1 mm	SP	REF
M7/16JIC-F1/8NPT 90°	7/16-20	1/8-27	27.4	16.8	4.4	14	<a href="#">160TA9782</a>
M7/16JIC-F1/4NPT 90°	7/16-20	1/4-18	30.9	22.4	4.4	19	<a href="#">167TA5304</a>
M1/2JIC-F1/8NPT 90°	1/2-20	1/8-27	30.9	16.8	6	19	<a href="#">167TA4937</a>
M1/2JIC-F1/4NPT 90°	1/2-20	1/4-18	30.9	22.4	6	19	<a href="#">167TA5043</a>
M9/16JIC-F1/8NPT 90°	9/16-18	1/8-27	31.2	16.8	7.5	19	<a href="#">124TA3887</a>
M9/16JIC-F1/4NPT 90°	9/16-18	1/4-18	31.2	22.4	7.5	19	<a href="#">167TA4828</a>
M9/16JIC-F3/8NPT 90°	9/16-18	3/8-18	33.3	25.9	7.5	22	<a href="#">167TA5153</a>
M3/4JIC-F1/4NPT 90°	3/4-16	1/4-18	36.1	22.4	9.9	22	<a href="#">167TA5167</a>
M3/4JIC-F3/8NPT 90°	3/4-16	3/8-18	36.1	25.9	9.9	22	<a href="#">167TA5058</a>
M3/4JIC-F1/2NPT 90°	3/4-16	1/2-14	38.7	31.2	9.9	27	<a href="#">167TA4926</a>
M7/8JIC-F1/2NPT 90°	7/8-14	1/2-14	41.7	31.2	12.3	27	<a href="#">167TA5006</a>
M1 1/16JIC-F1/2NPT 90°	1 1/16-12	1/2-14	48	34.2	15.5	27	<a href="#">167TA5158</a>
M1 1/16JIC-F3/4NPT 90°	1 1/16-12	3/4-14	48	34.5	15.5	33	<a href="#">167TA5292</a>
M1 3/16JIC-F3/4NPT 90°	1 3/16-12	3/4-14	50	34.5	16.3	33	<a href="#">167TA4999</a>
M1 5/16JIC-F1 NPT 90°	1 5/16-12	1-11.5	55.1	41.1	21.5	41	<a href="#">124TA3895</a>
M1 5/8JIC-F1 1/4NPT 90°	1 5/8-12	1 1/4-11.5	59.2	43.2	27.5	48	<a href="#">124TA3896</a>
M1 7/8JIC-F1 1/2NPT 90°	1 7/8-12	1 1/2-11.5	73.4	52.8	33	65	<a href="#">124TA3897</a>

### 90° ADAPTOR - MALE JIC / MALE NPT



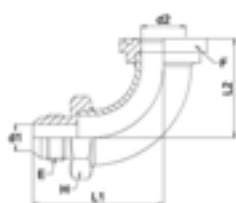
Description	E JIC	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M5/16JIC-M1/8NPT 90°	5/16-24	1/8-27	19.6	20	1.6	4.5	11	<a href="#">151TA9226</a>
M3/8JIC-M1/8NPT 90°	3/8-24	1/8-27	21.1	20	3.5	4.5	11	<a href="#">167TA5144</a>
M7/16JIC-M1/8NPT 90°	7/16-20	1/8-27	22.6	20	4.4	4.5	11	<a href="#">124TA3454</a>
M1/2JIC-M1/8NPT 90°	1/2-20	1/8-27	24.1	20	6	4.5	13	<a href="#">124TA3458</a>
M9/16JIC-M1/8NPT 90°	9/16-18	1/8-27	26.9	22	7.5	4.5	14	<a href="#">167TA4945</a>
M7/16JIC-M1/4NPT 90°	7/16-20	1/4-18	26.6	26	4.4	7	14	<a href="#">167TA4746</a>
M1/2JIC-M1/4NPT 90°	1/2-20	1/4-18	26.6	26	6	7	14	<a href="#">167TA8359</a>
M9/16JIC-M1/4NPT 90°	9/16-18	1/4-18	26.9	26	7.5	7	14	<a href="#">167TA5201</a>
M3/4JIC-M1/4NPT 90°	3/4-16	1/4-18	31.8	29	9.9	7	19	<a href="#">124TA3464</a>
M7/16JIC-M3/8NPT 90°	7/16-20	3/8-18	28.5	30	4.4	10	19	<a href="#">167TA5278</a>
M9/16JIC-M3/8NPT 90°	9/16-18	3/8-18	29	30	7.5	10	18	<a href="#">124TA3462</a>
M3/4JIC-M3/8NPT 90°	3/4-16	3/8-18	31.8	30	9.9	10	19	<a href="#">167TA4939</a>
M7/8JIC-M3/8NPT 90°	7/8-14	3/8-18	36.8	32	12.3	10	22	<a href="#">167TA4933</a>
M9/16JIC-M1/2NPT 90°	9/16-18	1/2-14	31	36	7.5	13	22	<a href="#">124TA3463</a>
M3/4JIC-M1/2NPT 90°	3/4-16	1/2-14	33.8	36	9.9	13	22	<a href="#">167TA5054</a>
M7/8JIC-M1/2NPT 90°	7/8-14	1/2-14	36.8	36	12.3	13	27	<a href="#">167TA4807</a>
M1 1/16JIC-M1/2NPT 90°	1 1/16-12	1/2-14	42.2	42	15.5	13	27	<a href="#">167TA4627</a>
M3/4JIC-M3/4NPT 90°	3/4-16	3/4-14	36.1	43	9.9	18	27	<a href="#">167TA5208</a>
M7/8JIC-M3/4NPT 90°	7/8-14	3/4-14	39.2	43	12.3	18	27	<a href="#">167TA5206</a>
M1 1/16JIC-M3/4NPT 90°	1 1/16-12	3/4-14	42.2	43	15.5	18	27	<a href="#">167TA5046</a>
M1 5/16JIC-M3/4NPT 90°	1 5/16-12	3/4-14	46	46	21.5	18	33	<a href="#">167TA4996</a>
M1 1/16JIC-M1 NPT 90°	1 1/16-12	1-11.5	44.7	50	15.5	24	33	<a href="#">167TA4679</a>

# ADAPTORS TYPE JIC

## 90° ADAPTOR - MALE JIC / MALE NPT

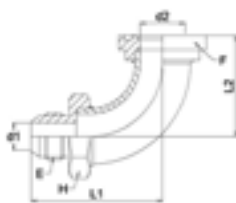
Description	E JIC	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1 5/16JIC-M1 NPT 90°	1 5/16-12	1-11.5	46	50	21.5	24	33	<a href="#">167TA5268</a>
M1 5/8JIC-M1 NPT 90°	1 5/8-12	1-11.5	52.3	57	27.5	24	41	<a href="#">167TA4854</a>
M1 5/8JIC-M1 1/4NPT 90°	1 5/8-12	1 1/4-11.5	52.3	57	27.5	24	41	<a href="#">167TA4896</a>
M1 7/8JIC-M1 1/2NPT 90°	1 7/8-12	1 1/2-11.5	59.2	63	33	38	48	<a href="#">167TA5303</a>
M2 1/2JIC-M2 NPT 90°	2 1/2-12	2-11.5	77.7	75	45	49	65	<a href="#">167TA5305</a>

## 90° ADAPTOR - MALE JIC / BRIDES SAE 3000



Description	E JIC	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H mm	REF
M3/4JIC-BR3 30.1 90°	7/8-14	30.1	48	59	10	10	22	<a href="#">167TA4668</a>
M1 1/16JIC-BR3 38.1 90°	1 1/16-12	38.1	65	47	15.5	15	27	<a href="#">167TA4822</a>
M1 5/16JIC-BR3 44.5 90°	1 5/16-12	44.5	74	58	20	20	36	<a href="#">167TA5289</a>
M1 5/8JIC-BR3 50.8 90°	1 5/8-12	50.8	78	58	26	26	46	<a href="#">167TA4846</a>
M1 5/8JIC-BR3 60.3 90°	1 5/8-12	60.3	97	77.5	26	32	46	<a href="#">167TA4631</a>
M1 7/8JIC-BR3 60.3 90°	1 7/8-12	60.3	101	76	32	32	50	<a href="#">167TA4859</a>

## 90° ADAPTOR - MALE JIC / BRIDES SAE 6000



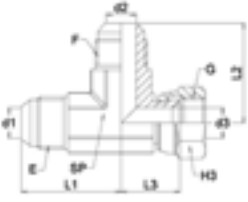
Description	E JIC	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H mm	REF
M7/8JIC-BR6 31.8 90°	7/8-14	31.8	48	59	10	10	22	<a href="#">151TA9421</a>
M1 1/16JIC-BR6 31.8 90°	1 1/16-12	31.8	65	47	12	12	22	<a href="#">151TA9422</a>
M1 1/16JIC-BR6 41.4 90°	1 1/16-12	41.4	63	52	16	16	27	<a href="#">151TA9423</a>
M1 5/16JIC-BR6 41.4 90°	1 5/16-12	41.4	65	78	16	16	36	<a href="#">151TA9424</a>
M1 5/16JIC-BR6 47.8 90°	1 5/16-12	47.8	75	61	20	20	36	<a href="#">151TA9425</a>
M1 5/8JIC-BR6 47.8 90°	1 5/8-12	47.8	76	63	20	20	42	<a href="#">151TA9426</a>
M1 5/8JIC-BR6 54.1 90°	1 5/8-12	54.1	88	78	32	32	50	<a href="#">151TA9427</a>
M1 7/8JIC-BR6 54.1 90°	1 7/8-12	54.1	95	76	26	26	50	<a href="#">151TA9428</a>
M1 7/8JIC-BR6 63.5 90°	1 7/8-12	63.5	98	88	32	32	50	<a href="#">151TA9429</a>

## L ADAPTOR - MALE JIC / FEMALE SWIVEL JIC / FEMALE SWIVEL JIC



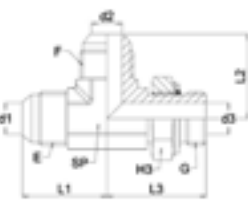
Description	E JIC	F JIC	G JIC	REF
M7/16JIC-FS7/16JIC-FS7/16JIC	7/16-20	7/16-20	7/16-20	<a href="#">167TA8360</a>
M1/2JIC-FS1/2JIC-FS1/2JIC	1/2-20	1/2-20	1/2-20	<a href="#">167TA8361</a>
M9/16JIC-FS9/16JIC-FS9/16JIC	9/16-18	9/16-18	9/16-18	<a href="#">167TA8362</a>
M3/4JIC-FS3/4JIC-FS3/4JIC	3/4-16	3/4-16	3/4-16	<a href="#">151TA9255</a>
M7/8JIC-FS7/8JIC-FS7/8JIC	7/8-14	7/8-14	7/8-14	<a href="#">151TA9256</a>
M1 1/16JIC-FS1 1/16JIC-FS1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	<a href="#">151TA9257</a>

### L ADAPTOR - MALE JIC / MALE JIC / FEMALE SWIVEL JIC



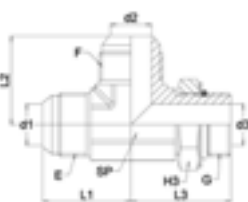
Description	E JIC	F JIC	G JIC	L1 mm	L2 mm	L3 mm	SP	REF
M7/16JIC-M7/16JIC-FS7/16JIC	7/16-20	7/16-20	7/16-20	22.6	22.6	16.7	11	<a href="#">167TA5243</a>
M1/2JIC-M1/2JIC-FS1/2JIC	1/2-20	1/2-20	1/2-20	24.1	24.1	17.4	13	<a href="#">124TA4024</a>
M9/16JIC-M9/16JIC-FS9/16JIC	9/16-18	9/16-18	9/16-18	26.9	26.9	22.3	14	<a href="#">124TA4025</a>
M3/4JIC-M3/4JIC-FS3/4JIC	3/4-16	3/4-16	3/4-16	31.8	31.8	24.4	19	<a href="#">124TA4026</a>
M7/8JIC-M7/8JIC-FS7/8JIC	7/8-14	7/8-14	7/8-14	36.8	36.8	28.4	22	<a href="#">124TA4027</a>
M1 1/16JIC-M1 1/16JIC-FS1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	42.2	42.2	30.1	27	<a href="#">124TA4028</a>
M1 3/16JIC-M1 3/16JIC-FS1 3/16JIC	1 3/16-12	1 3/16-12	1 3/16-12	45.7	45.7	30.5	33	<a href="#">124TA4029</a>
M1 5/16JIC-M1 5/16JIC-FS1 5/16JIC	1 5/16-12	1 5/16-12	1 5/16-12	46	46	35.7	33	<a href="#">167TA5096</a>
M1 5/8JIC-M1 5/8JIC-FS1 5/8JIC	1 5/8-12	1 5/8-12	1 5/8-12	52.3	52.3	42.8	41	<a href="#">124TA4031</a>
M1 7/8JIC-M1 7/8JIC-FS1 7/8JIC	1 7/8-12	1 7/8-12	1 7/8-12	59.2	59.2	47.2	48	<a href="#">151TA9267</a>

### L ADAPTOR - MALE JIC / MALE JIC / ADJUSTABLE MALE BSP



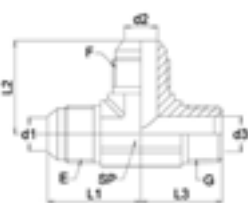
Description	F GAS	E JIC	F JIC	L1 mm	L2 mm	L3 mm	H3 mm	SP	REF
M7/16JIC-M7/16JIC-M1/8BSP OR	1/8-28	7/16-20	7/16-20	22.6	22.6	26.5	14	11	<a href="#">167TA8363</a>
M1/2JIC-M1/2JIC-M1/8BSP OR	1/8-28	1/2-20	1/2-20	24.1	24.1	26.5	14	13	<a href="#">167TA8365</a>
M1/2JIC-M1/2JIC-M1/4BSP OR	1/4-19	1/2-20	1/2-20	26.6	26.6	32	19	14	<a href="#">167TA8366</a>
M9/16JIC-M9/16JIC-M1/4BSP OR	1/4-19	9/16-18	9/16-18	26.9	26.9	32	19	14	<a href="#">167TA8367</a>
M9/16JIC-M9/16JIC-M3/8BSP OR	3/8-19	9/16-18	9/16-18	29	29	37	22	19	<a href="#">167TA8368</a>
M3/4JIC-M3/4JIC-M3/8BSP OR	3/8-19	3/4-16	3/4-16	32	32	36.8	22	19	<a href="#">124TA3693</a>
M3/4JIC-M3/4JIC-M1/2BSP OR	1/2-14	3/4-16	3/4-16	33.8	33.8	43	27	22	<a href="#">167TA8369</a>
M7/8JIC-M7/8JIC-M1/2BSP OR	1/2-14	7/8-14	7/8-14	36.8	36.8	43	27	22	<a href="#">124TA3694</a>
M7/8JIC-M7/8JIC-M3/4BSP OR	3/4-14	7/8-14	7/8-14	36.8	36.8	42.2	36	27	<a href="#">167TA8370</a>
M1 1/16JIC-M1 1/16JIC-M3/4BSP OR	3/4-14	1 1/16-12	1 1/16-12	42.2	42.2	49.5	36	27	<a href="#">124TA3695</a>
M1 1/16JIC-M1 1/16JIC-M1 BSP OR	1-11	1 1/16-12	1 1/16-12	44.7	44.7	52	41	33	<a href="#">167TA8371</a>
M1 5/16JIC-M1 5/16JIC-M1 BSP OR	1-11	1 5/16-12	1 5/16-12	46	46	52	41	33	<a href="#">124TA3696</a>

### L ADAPTOR - MALE JIC / MALE JIC / ADJUSTABLE MALE SAE



Description	E JIC	F JIC	G SAE	L1 mm	L2 mm	L3 mm	H3 mm	SP	REF
M7/16JIC-M7/16JIC-M7/16UNF OR	7/16-20	7/16-20	7/16-20	24.5	24.5	27.2	17	11	<a href="#">124TA3802</a>
M1/2JIC-M1/2JIC-M1/2UNF OR	1/2-20	1/2-20	1/2-20	26.6	26.6	29	17	14	<a href="#">124TA3803</a>
M9/16JIC-M9/16JIC-M9/16UNF OR	9/16-18	9/16-18	9/16-18	26.9	26.9	31.8	19	14	<a href="#">124TA3804</a>
M3/4JIC-M3/4JIC-M3/4UNF OR	3/4-16	3/4-16	3/4-16	33	33	36.9	24	19	<a href="#">124TA3805</a>
M7/8JIC-M7/8JIC-M7/8UNF OR	7/8-14	7/8-14	7/8-14	37.8	37.8	44	27	22	<a href="#">167TA5047</a>
M1 1/16JIC-M1 1/16JIC-M1 1/16UNF OR	1 1/16-12	1 1/16-12	1 1/16-12	44.2	44.2	51	32	27	<a href="#">124TA3807</a>
M1 5/16JIC-M1 5/16JIC-M1 5/16UNF OR	1 5/16-12	1 5/16-12	1 5/16-12	48.8	48.8	57.2	50	41	<a href="#">124TA3808</a>

### L ADAPTOR - MALE JIC / MALE JIC / MALE NPT



Description	E JIC	F JIC	G NPT	L1 mm	L2 mm	L3 mm	SP	REF
M7/16JIC-M7/16JIC-M1/8NPT	7/16-20	7/16-20	1/8-27	22.6	22.6	19.8	11	<a href="#">167TA5026</a>
M7/16JIC-M7/16JIC-M1/4NPT	7/16-20	7/16-20	1/4-18	26.6	26.6	27.7	14	<a href="#">167TA8372</a>
M1/2JIC-M1/2JIC-M1/8NPT	1/2-20	1/2-20	1/8-27	24.1	24.1	19.8	13	<a href="#">167TA8373</a>
M9/16JIC-M9/16JIC-M1/8NPT	9/16-18	9/16-18	1/8-27	26.9	26.9	22.9	14	<a href="#">167TA8374</a>
M9/16JIC-M9/16JIC-M1/4NPT	9/16-18	9/16-18	1/4-18	26.9	26.9	27.7	14	<a href="#">167TA8375</a>
M9/16JIC-M9/16JIC-M3/8NPT	9/16-18	9/16-18	3/8-18	29	29	31	19	<a href="#">167TA8376</a>
M3/4JIC-M3/4JIC-M3/8NPT	3/4-16	3/4-16	3/8-18	31.8	31.8	31	19	<a href="#">167TA5290</a>
M3/4JIC-M3/4JIC-M1/2NPT	3/4-16	3/4-16	1/2-14	33.8	33.8	37.3	22	<a href="#">167TA8377</a>

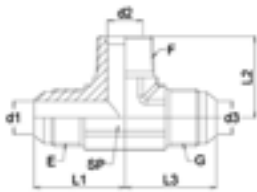
# ADAPTORS TYPE JIC

## L ADAPTOR - MALE JIC / MALE JIC / MALE NPT

Description	E JIC	F JIC	G NPT	L1 mm	L2 mm	L3 mm	SP	REF
M7/8JIC-M7/8JIC-M1/2NPT	7/8-14	7/8-14	1/2-14	36.8	36.8	37.3	22	<a href="#">167TA5240</a>
M7/8JIC-M7/8JIC-M3/4NPT	7/8-14	7/8-14	3/4-14	39.2	39.2	40.4	27	<a href="#">167TA8378</a>
M1 1/16JIC-M1 1/16JIC-M3/4NPT	1 1/16-12	1 1/16-12	3/4-14	42.2	42.2	40.4	27	<a href="#">167TA8379</a>
M1 5/16JIC-M1 5/16JIC-M1 NPT	1 5/16-12	1 5/16-12	1-11	46	46	50	33	<a href="#">167TA5266</a>
M1 5/8JIC-M1 5/8JIC-M1 1/4NPT	1 5/8-12	1 5/8-12	1 1/4-11.5	52.3	52.3	60.5	41	<a href="#">167TA5307</a>

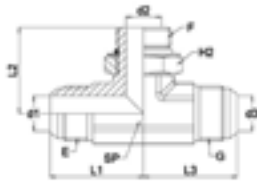
## T ADAPTOR - MALE JIC / MALE NPT / MALE JIC

Description	E JIC	F NPT	G JIC	L1 mm	L2 mm	L3 mm	SP	REF
M7/16JIC-M1/8NPT-M7/16JIC	7/16-20	1/8-27	7/16-20	22.6	19.8	22.6	11	<a href="#">167TA4723</a>
M7/16JIC-M1/4NPT-M7/16JIC	7/16-20	1/4-18	7/16-20	26.6	27.7	26.6	14	<a href="#">167TA5029</a>
M1/2JIC-M1/8NPT-M1/2JIC	1/2-20	1/8-27	1/2-20	24.1	19.8	24.1	13	<a href="#">167TA5084</a>
M1/2JIC-M1/4NPT-M1/2JIC	1/2-20	1/4-18	1/2-20	26.6	27.7	26.6	14	<a href="#">151TA9324</a>
M9/16JIC-M1/4NPT-M1/4JIC	9/16-18	1/4-18	9/16-18	26.9	27.7	26.9	14	<a href="#">167TA5284</a>
M9/16JIC-M3/8NPT-M9/16JIC	9/16-18	3/8-18	9/16-18	29	31	29	19	<a href="#">167TA8380</a>
M3/4JIC-M3/8NPT-M3/4JIC	3/4-16	3/8-18	3/4-16	31.8	31	31.8	19	<a href="#">167TA5063</a>
M3/4JIC-M1/2NPT-M3/4JIC	3/4-16	1/2-14	3/4-16	33.8	37.3	33.8	22	<a href="#">167TA4929</a>
M7/8JIC-M1/2NPT-M7/8JIC	7/8-14	1/2-14	7/8-14	36.8	37.3	36.8	22	<a href="#">167TA4983</a>
M7/8JIC-M3/4NPT-M7/8JIC	7/8-14	3/4-14	7/8-14	39.2	40.4	39.2	27	<a href="#">167TA8381</a>
M1 1/16JIC-M3/4NPT-M1 1/16JIC	1 1/16-12	3/4-14	1 1/16-12	42.2	40.4	42.2	27	<a href="#">167TA5207</a>
M1 5/16JIC-M1 NPT-M1 5/16JIC	1 5/16-12	1-11.5	1 5/16-12	46	50	46	33	<a href="#">167TA5193</a>
M1 5/8JIC-M1 1/4NPT-M1 5/8JIC	1 5/8-12	1 1/4-11.5	1 5/8-12	52.3	60.5	52.3	41	<a href="#">124TA3553</a>



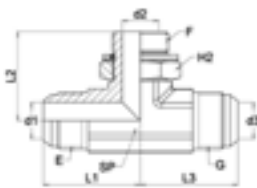
## T ADAPTOR - MALE JIC / ADJUSTABLE MALE SAE / MALE JIC

Description	E JIC	F SAE	G JIC	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M7/16JIC-M7/16UNF OR-M7/16JIC	7/16-20	7/16-20	7/16-20	22.6	26.2	22.6	14	11	<a href="#">124TA3810</a>
M1/2JIC-M1/2UNF OR-M1/2JIC	1/2-20	1/2-20	1/2-20	24.1	28.7	24.1	17	13	<a href="#">124TA3811</a>
M9/16JIC-M9/16UNF OR-M9/16JIC	9/16-18	9/16-18	9/16-18	26.9	31.8	26.9	17	14	<a href="#">124TA3812</a>
M9/16JIC-M9/16UNF OR-M9/16JIC	9/16-18	3/4-16	9/16-18	29	36.8	29	22	19	<a href="#">167TA8382</a>
M3/4JIC-M3/4UNF OR-M3/4JIC	3/4-16	3/4-16	3/4-16	31.8	36.8	31.8	22	19	<a href="#">124TA3813</a>
M7/8JIC-M7/8UNF OR-M7/8JIC	7/8-14	7/8-14	7/8-14	36.8	43.2	36.8	27	22	<a href="#">124TA3814</a>
M1 1/16JIC-M1 1/16UNF OR-M1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	42.2	49.3	42.2	32	27	<a href="#">124TA3815</a>
M1 3/16JIC-M1 3/16UNF OR-M1 3/16JIC	1 3/16-12	1 3/16-12	1 3/16-12	45.7	50.8	45.7	36	33	<a href="#">151TA9301</a>
M1 5/16JIC-M1 5/16UNF OR-M1 5/16JIC	1 5/16-12	1 5/16-12	1 5/16-12	46	52.1	46	41	33	<a href="#">124TA3816</a>
M1 5/8JIC-M1 5/8UNF OR-M1 5/8JIC	1 5/8-12	1 5/8-12	1 5/8-12	52.3	57.2	52.3	50	41	<a href="#">151TA9303</a>



## T ADAPTOR - MALE JIC / ADJUSTABLE MALE BSP / MALE JIC

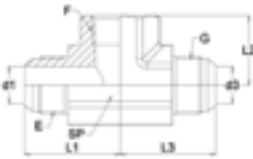
Description	E JIC	F GAS	G JIC	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M7/16JIC-M1/8BSP OR-M7/16JIC	7/16-20	1/8-28	7/16-20	22.6	26.5	22.6	14	11	<a href="#">167TA8383</a>
M7/16JIC-M1/4BSP OR-M7/16JIC	7/16-20	1/4-19	7/16-20	26.6	31.8	26.6	19	14	<a href="#">167TA8384</a>
M1/2JIC-M1/8BSP OR-M1/2JIC	1/2-20	1/8-28	1/2-20	24.1	26.5	24.1	14	13	<a href="#">167TA8385</a>
M1/2JIC-M1/4BSP OR-M1/2JIC	1/2-20	1/4-19	1/2-20	26.6	31.8	26.6	19	14	<a href="#">167TA8386</a>
M9/16JIC-M1/4BSP OR-M9/16JIC	9/16-18	1/4-19	9/16-18	26.9	32	26.9	19	14	<a href="#">151TA9291</a>
M9/16JIC-M3/8BSP OR-M9/16JIC	9/16-18	3/8-19	9/16-18	29	37	29	22	19	<a href="#">167TA8387</a>
M3/4JIC-M3/8BSP OR-M3/4JIC	3/4-16	3/8-19	3/4-16	33	37	33	22	19	<a href="#">167TA4805</a>
M3/4JIC-M1/2BSP OR-M3/4JIC	3/4-16	1/2-14	3/4-16	33.8	43	33.8	27	22	<a href="#">167TA8388</a>
M7/8JIC-M3/4 BSP OR-M7/8JIC	7/8-14	3/4-14	7/8-14	36	41	36	27	22	<a href="#">167TA8389</a>



### T ADAPTOR - MALE JIC / ADJUSTABLE MALE BSP / MALE JIC

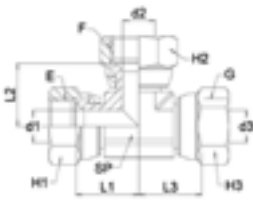
Description	E JIC	F GAS	G JIC	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M1 1/16JIC-M3/4 BSP OR-M1 1/16JIC	1 1/16-12	3/4-14	1 1/16-12	44.2	51	44.2	27	22	<a href="#">167TA8390</a>
M1 1/16JIC-M1 BSP OR-M1 1/16JIC	1 1/16-12	1-11	1 1/16-12	44.2	53	44.2	33	27	<a href="#">167TA8391</a>
M1 5/16JIC-M3/4BSP OR-M1 5/16JIC	1 5/16-12	3/4-14	1 5/16-12	48.8	51	48.8	33	27	<a href="#">167TA8392</a>
M1 5/16JIC-M1 BSP OR-M1 5/16JIC	1 5/16-12	1-11	1 5/16-12	48.8	53	48.8	33	27	<a href="#">167TA8393</a>

### T ADAPTOR - MALE JIC / FEMALE NPT / MALE JIC



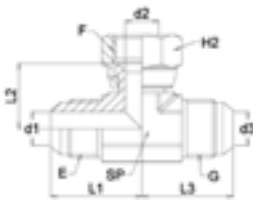
Description	E JIC	F NPT	G JIC	REF
M7/16JIC-F1/8NPT-M7/16JIC	7/16-20	1/8-27	7/16-20	<a href="#">151TA9314</a>
M1/2JIC-F1/8NPT-M1/2JIC	1/2-20	1/8-27	1/2-20	<a href="#">151TA9315</a>
M9/16JIC-F1/4NPT-M9/16JIC	9/16-18	1/4-18	9/16-18	<a href="#">151TA9316</a>
M3/4JIC-F3/8NPT-M3/4JIC	3/4-16	3/8-19	3/4-16	<a href="#">151TA9317</a>
M1 1/16JIC-F3/4NPT-M1 1/16JIC	1 1/16-12	3/4-14	1 1/16-12	<a href="#">151TA9318</a>
M1 5/16JIC-F1 NPT-M1 5/16JIC	1 5/16-12	1-11	1 5/16-12	<a href="#">151TA9319</a>
M1 5/8JIC-F1 1/4NPT-M1 5/8JIC	1 5/8-12	1 1/4-11	1 5/8-12	<a href="#">151TA9320</a>

### T ADAPTOR - FEMALE SWIVEL JIC / FEMALE SWIVEL JIC / FEMALE SWIVEL JIC



Description	E JIC	F JIC	G JIC	L1 mm	L2 mm	L3 mm	SP	REF
FS7/16JIC-FS7/16JIC-FS7/16JIC	7/16-20	7/16-20	7/16-20	16.7	16.7	16.7	11	<a href="#">167TA8394</a>
FS1/2JIC-FS1/2JIC-FS1/2JIC	1/2-20	1/2-20	1/2-20	17.4	17.4	17.4	13	<a href="#">167TA8395</a>
FS9/16JIC-FS9/16JIC-FS9/16JIC	9/16-18	9/16-18	9/16-18	22.3	22.3	22.3	14	<a href="#">167TA8396</a>
FS3/4JIC-FS3/4JIC-FS3/4JIC	3/4-16	3/4-16	3/4-16	24.4	24.4	24.4	19	<a href="#">167TA8397</a>
FS7/8JIC-FS7/8JIC-FS7/8JIC	7/8-14	7/8-14	7/8-14	28.4	28.4	28.4	22	<a href="#">167TA8398</a>
FS1 1/16JIC-FS1 1/16JIC-FS1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	30.1	30.1	30.1	27	<a href="#">151TA9254</a>
FS1 5/8JIC-FS1 5/8JIC-FS1 5/8JIC	1 5/8-12	1 5/8-12	1 5/8-12	42.8	42.8	42.8	41	<a href="#">167TA8399</a>

### T ADAPTOR - MALE JIC / FEMALE SWIVEL JIC / MALE JIC



Description	E JIC	F JIC	G JIC	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M7/16JIC-FS7/16JIC-M7/16JIC	7/16-20	7/16-20	7/16-20	22.6	16.7	22.6	14	11	<a href="#">167TA5180</a>
M1/2JIC-FS1/2JIC-M1/2JIC	1/2-20	1/2-20	1/2-20	24.1	17.4	24.1	17	13	<a href="#">151TA9269</a>
M9/16JIC-FS9/16JIC-M9/16JIC	9/16-18	9/16-18	9/16-18	26.9	22.3	26.9	19	14	<a href="#">124TA4033</a>
M3/4JIC-FS3/4JIC-M3/4JIC	3/4-16	3/4-16	3/4-16	31.8	24.4	31.8	22	19	<a href="#">124TA4034</a>
M7/8JIC-FS7/8JIC-M7/8JIC	7/8-14	7/8-14	7/8-14	36.8	28.4	36.8	27	22	<a href="#">124TA4035</a>
M1 1/16JIC-FS11/16JIC-M1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	42.2	30.1	42.2	32	27	<a href="#">167TA5020</a>
M1 3/16JIC-FS1 3/16JIC-M1 3/16JIC	1 3/16-12	1 3/16-12	1 3/16-12	43.5	43.5	43.5	36	30	<a href="#">151TA9274</a>
M1 5/16JIC-FS1 5/16JIC-M1 5/16JIC	1 5/16-12	1 5/16-12	1 5/16-12	46	35.7	46	41	33	<a href="#">124TA4037</a>
M1 5/8JIC-FS1 5/8JIC-M1 5/8JIC	1 5/8-12	1 5/8-12	1 5/8-12	52.3	42.8	52.3	50	41	<a href="#">167TA5279</a>
M1 7/8JIC-FS1 7/8JIC-M1 7/8JIC	1 7/8-12	1 7/8-12	1 7/8-12	59.2	47.2	59.2	55	48	<a href="#">151TA9277</a>

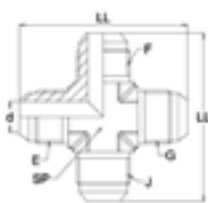
# ADAPTORS TYPE JIC

## T ADAPTOR - MALE JIC / MALE JIC / MALE JIC




Description	E JIC	F JIC	G JIC	L1 mm	L2 mm	L3 mm	SP	REF
M7/16JIC-M7/16JIC-M7/16JIC	7/16-20	7/16-20	7/16-20	22.6	22.6	22.6	11	<a href="#">124TA3950</a>
M1/2JIC-M1/2JIC-M1/2JIC	1/2-20	1/2-20	1/2-20	24.1	24.1	24.1	13	<a href="#">124TA3951</a>
M9/16JIC-M9/16JIC-M9/16JIC	9/16-18	9/16-18	9/16-18	26.9	26.9	26.9	14	<a href="#">124TA3952</a>
M3/4JIC-M3/4JIC-M3/4JIC	3/4-16	3/4-16	3/4-16	31.8	31.8	31.8	19	<a href="#">124TA3953</a>
M7/8JIC-M7/8JIC-M7/8JIC	7/8-14	7/8-14	7/8-14	36.8	36.8	36.8	22	<a href="#">167TA5218</a>
M1 1/16JIC-M1 1/16JIC-M1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	42.2	42.2	42.2	27	<a href="#">124TA3955</a>
M1 5/16JIC-M1 5/16JIC-M1 5/16JIC	1 5/16-12	1 5/16-12	1 5/16-12	46	46	46	33	<a href="#">124TA3957</a>
M1 5/8JIC-M1 5/8JIC-M1 5/8JIC	1 5/8-12	1 5/8-12	1 5/8-12	52.3	52.3	52.3	41	<a href="#">124TA3958</a>
M1 7/8JIC-M1 7/8JIC-M1 7/8JIC	1 7/8-12	1 7/8-12	1 7/8-12	59.2	59.2	59.2	48	<a href="#">167TA5295</a>

## CROSS ADAPTOR - MALE JIC / MALE JIC / MALE JIC / MALE JIC




Description	E JIC	F JIC	G JIC	J JIC	LL mm	D mm	SP	REF
M7/16JIC-M7/16JIC-M7/16JIC-M7/16JIC	7/16-20	7/16-20	7/16-20	7/16-20	45.2	4.4	11	<a href="#">167TA5106</a>
M1/2JIC-M1/2JIC-M1/2JIC-M1/2JIC	1/2-20	1/2-20	1/2-20	1/2-20	48.2	6	13	<a href="#">167TA5107</a>
M9/16JIC-M9/16JIC-M9/16JIC-M9/16JIC	9/16-18	9/16-18	9/16-18	9/16-18	53.8	7.5	14	<a href="#">167TA5283</a>
M3/4JIC-M3/4JIC-M3/4JIC-M3/4JIC	3/4-16	3/4-16	3/4-16	3/4-16	63.6	9.9	19	<a href="#">167TA5110</a>
M7/8JIC-M7/8JIC-M7/8JIC-M7/8JIC	7/8-14	7/8-14	7/8-14	7/8-14	73.6	12.3	22	<a href="#">167TA5148</a>
M1 1/16JIC-M1 1/16JIC-M1 1/16JIC-M1 1/16JIC	1 1/16-12	1 1/16-12	1 1/16-12	1 1/16-12	84.4	15.5	27	<a href="#">167TA5085</a>

## NUT - FEMALE JIC



Description	E JIC	F TUBE	L mm	H mm	REF
NUT7/16JIC	7/16-20	6-1/4	15.8	14	<a href="#">124TA4108</a>
NUT1/2JIC	1/2-20	8-5/16	17.3	17	<a href="#">151TA9346</a>
NUT9/16JIC	9/16-18	10-3/8	18.5	19	<a href="#">151TA9347</a>
NUT3/4JIC	3/4-16	12-1/2	21.6	22	<a href="#">151TA9348</a>
NUT7/8JIC	7/8-14	14-5/8	24.9	27	<a href="#">151TA9349</a>
NUT1 1/16JIC	1 1/16-12	18-3/4	26.2	32	<a href="#">151TA9352</a>
NUT1 5/16JIC	1 5/16-12	25-1	28.7	41	<a href="#">151TA9354</a>
NUT1 5/8JIC	1 5/8-12	30-1 1/4	31.2	50	<a href="#">151TA9355</a>
NUT1 7/8JIC	1 7/8-12	38-1 1/2	36.1	60	<a href="#">151TA9357</a>

## LOCK NUT - BULKHEAD JIC



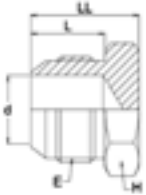
Description	E UNF	L mm	H mm	REF
NUT7/16UNF BL	7/16-20	6.4	17	<a href="#">124TA4115</a>
NUT1/2UNF BL	1/2-20	6.4	19	<a href="#">167TA5017</a>
NUT9/16UNF BL	9/16-18	6.9	22	<a href="#">124TA4117</a>
NUT3/4UNF BL	3/4-16	7.9	24	<a href="#">124TA4118</a>
NUT7/8UNF BL	7/8-14	9.1	30	<a href="#">124TA4119</a>
NUT1 1/16UNF BL	1 1/16-12	10.4	36	<a href="#">167TA8400</a>
NUT1 3/16UNF BL	1 3/16-12	10.4	38	<a href="#">124TA4121</a>
NUT1 5/16UNF BL	1 5/16-12	10.4	41	<a href="#">124TA4122</a>
NUT1 5/8UNF BL	1 5/8-12	10.4	50	<a href="#">124TA4123</a>

## PLUG - FEMALE JIC



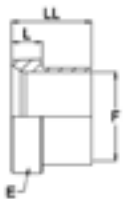
Description	E JIC	L mm	H mm	REF
BF3/8JIC	3/8-24	9.5	12	<a href="#">167TA8401</a>
BF7/16JIC	7/16-20	8.7	14	<a href="#">124TA4126</a>
BF1/2JIC	1/2-20	10.3	17	<a href="#">124TA4127</a>
BF9/16JIC	9/16-18	11.9	19	<a href="#">124TA4128</a>
BF3/4JIC	3/4-16	13.5	22	<a href="#">124TA4129</a>
BF7/8JIC	7/8-14	13.5	27	<a href="#">124TA4130</a>
BF1 1/16JIC	1 1/16-12	16.7	32	<a href="#">124TA4131</a>
BF1 3/16JIC	1 3/16-12	15.9	36	<a href="#">151TA9364</a>
BF1 5/16JIC	1 5/16-12	15.9	41	<a href="#">124TA4133</a>
BF1 5/8JIC	1 5/8-12	19.1	50	<a href="#">167TA5297</a>
BF1 7/8JIC	1 7/8-12	23.8	60	<a href="#">167TA4740</a>

## PLUG - MALE JIC



Description	E JIC	L mm	LL mm	D mm	H mm	REF
BM7/16JIC	7/16-20	14	20.3	4.4	12	<a href="#">124TA4137</a>
BM1/2JIC	1/2-20	14	20.3	6	14	<a href="#">124TA4138</a>
BM9/16JIC	9/16-18	14.1	21.3	7.5	17	<a href="#">124TA4139</a>
BM3/4JIC	3/4-16	16.7	23.9	9.9	19	<a href="#">124TA4140</a>
BM7/8JIC	7/8-14	19.3	27.9	12.3	24	<a href="#">124TA4141</a>
BM1 1/16JIC	1 1/16-12	21.9	32.5	15.5	27	<a href="#">124TA4142</a>
BM1 3/16JIC	1 3/16-12	23.1	33.8	21.5	36	<a href="#">124TA4143</a>
BM1 5/16JIC	1 5/16-12	22.6	33.3	18	32	<a href="#">167TA5018</a>
BM1 5/8JIC	1 5/8-12	24.3	36.8	27.5	46	<a href="#">167TA5062</a>
BM1 7/8JIC	1 7/8-12	27.5	41.9	33	50	<a href="#">167TA5171</a>
BM2 1/2JIC	2 1/2-12	33.9	52.1	45	65	<a href="#">124TA4147</a>

## SLEEVE FOR METRIC TUBE - JIC

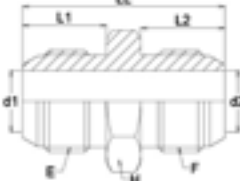


Description	E JIC	F TUBE	L mm	LL mm	REF
SL6MM	7/16-20	6	3.6	10.4	<a href="#">124TA4076</a>
SL8MM	1/2-20	8	4.1	11.2	<a href="#">124TA4077</a>
SL10MM	9/16-18	10	4.3	12.7	<a href="#">124TA4078</a>
SL12MM	3/4-16	12	5.6	14.2	<a href="#">124TA4079</a>
SL14MM	7/8-14	14	6.1	16.8	<a href="#">124TA4080</a>
SL15MM	7/8-14	15	6.1	16.8	<a href="#">124TA4081</a>
SL16MM	7/8-14	16	6.1	16.8	<a href="#">124TA4082</a>
SL18MM	1 1/16-12	18	6.6	17.3	<a href="#">124TA4083</a>
SL20MM	1 1/16-12	20	6.6	17.3	<a href="#">124TA4084</a>
SL22MM	1 3/16-12	22	6.6	19.3	<a href="#">124TA4085</a>
SL25MM	1 5/16-12	25	7.1	19.8	<a href="#">124TA4086</a>
SL30MM	1 5/8-12	30	7.9	23.1	<a href="#">124TA4087</a>

# ADAPTORS TYPE JIS

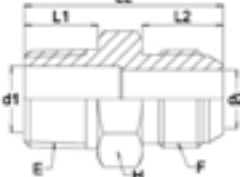
## ADAPTOR - MALE JIS / MALE JIS

Description	E JIS	F JIS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/4JIS-M1/4JIS	1/4-19	1/4-19	16	16	39	5	5	17	<a href="#">151TA8214</a>
M3/8JIS-M3/8JIS	3/8-19	3/8-19	18	18	44	8	8	19	<a href="#">167TA4712</a>
M1/2JIS-M1/2JIS	1/2-14	1/2-14	20	20	48	11	11	22	<a href="#">151TA8216</a>
M3/4JIS-M3/4JIS	3/4-14	3/4-14	22	22	53	16	16	30	<a href="#">151TA8217</a>



## ADAPTOR - MALE BSPT / MALE JIS

Description	E BSPT	F JIS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/4BSPT-M1/4JIS	1/4-19	1/4-19	14	16	37	5	5	17	<a href="#">167TA8402</a>
M3/8BSPT-M3/8JIS	3/8-19	3/8-19	15	18	41	8	8	19	<a href="#">151TA8218</a>
M1/2BSPT-M1/2JIS	1/2-14	1/2-14	19	20	48	11	11	22	<a href="#">151TA8219</a>
M3/4BSPT-M1/2JIS	3/4-14	3/4-14	20	22	54	16	16	30	<a href="#">167TA8403</a>





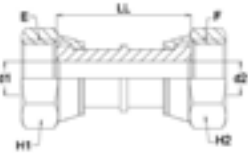
## NOTES



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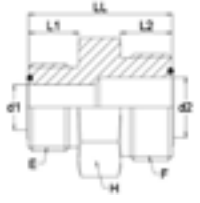
# ADAPTORS TYPE ORFS SAE

## ADAPTOR - FEMALE SWIVEL ORFS / FEMALE SWIVEL ORFS



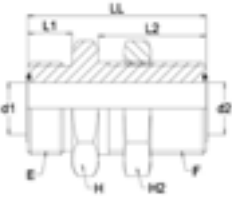
Description	E ORFS	F ORFS	LL mm	d1 mm	d2 mm	H1 mm	H2 mm	REF
FS9/16ORFS-FS9/16ORFS	9/16-18	9/16-18	34	4	4	19	19	<a href="#">151TA9431</a>
FS11/16ORFS-FS11/16ORFS	11/16-16	11/16-16	41	6.5	6.5	22	22	<a href="#">151TA9432</a>
FS13/16ORFS-FS13/16ORFS	13/16-16	13/16-16	45	9	9	24	24	<a href="#">151TA9433</a>
FS1 ORFS-FS1 ORFS	1-14	1-14	53	11.5	11.5	30	30	<a href="#">151TA9434</a>
FS1 3/16ORFS-FS1 3/16ORFS	1 3/16-12	1 3/16-12	56	14	14	36	36	<a href="#">151TA9435</a>
FS1 7/16ORFS-FS1 7/16ORFS	1 7/16-12	1 7/16-12	60	20	20	41	41	<a href="#">151TA9436</a>
FS1 11/16ORFS-FS1 11/16ORFS	1 11/16-12	1 11/16-12	60	26	26	50	50	<a href="#">151TA9437</a>
FS2 ORFS-FS2 ORFS	2-12	2-12	61	32	32	60	60	<a href="#">151TA9438</a>

## ADAPTOR - MALE ORFS / MALE ORFS



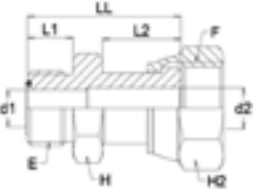
Description	E ORFS	F ORFS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M9/16ORFS	9/16-18	9/16-18	9.8	9.8	27.5	4.5	4.5	17	<a href="#">151TA9439</a>
M9/16ORFS-M11/16ORFS	9/16-18	11/16-16	9.8	11.2	29.7	4.5	6.5	19	<a href="#">151TA9440</a>
M11/16ORFS-M11/16ORFS	11/16-16	11/16-16	11.2	11.2	31.1	6.5	6.5	19	<a href="#">151TA9441</a>
M11/16ORFS-M13/16ORFS	11/16-16	13/16-16	11.2	12.8	33.8	6.5	9.5	22	<a href="#">151TA9442</a>
M13/16ORFS-M13/16ORFS	13/16-16	13/16-16	12.8	12.8	35.4	9.5	9.5	22	<a href="#">167TA4672</a>
M13/16ORFS-M1 ORFS	13/16-16	1-14	12.8	15.5	40	9.5	12.5	27	<a href="#">167TA5265</a>
M1 ORFS-M1 ORFS	1-14	1-14	15.5	15.5	42.5	12.5	12.5	27	<a href="#">167TA4910</a>
M1 ORFS-M1 3/16ORFS	1-14	1 3/16-12	15.5	17	45.5	12.5	15.5	32	<a href="#">167TA5032</a>
M1 3/16ORFS-M1 3/16ORFS	1 3/16-12	1 3/16-12	17	17	47.1	15.5	15.5	32	<a href="#">167TA5108</a>
M1 3/16ORFS-M1 7/16ORFS	1 3/16-12	1 7/16-12	17	17.5	45.5	15.5	20.5	38	<a href="#">167TA4705</a>
M1 7/16ORFS-M1 7/16ORFS	1 7/16-12	1 7/16-12	17.5	17.5	49.3	20.5	20.5	38	<a href="#">167TA5224</a>
M1 7/16ORFS-M1 11/16ORFS	1 7/16-12	1 11/16-12	17.5	17.5	51.3	20.5	26	46	<a href="#">167TA4830</a>
M1 11/16ORFS-M1 11/16ORFS	1 11/16-12	1 11/16-12	17.5	17.5	51.3	26	26	46	<a href="#">167TA5205</a>
M2 ORFS-M2 ORFS	2-12	2-12	17.5	17.5	53	32	32	55	<a href="#">151TA9452</a>

## ADAPTOR - MALE ORFS / MALE BULKHEAD ORFS + LOCKNUT



Description	E ORFS	F ORFS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M9/16ORFS-M9/16ORFS BL	9/16-18	9/16-18	9.8	31.5	48.2	4.5	4.5	22	22	<a href="#">167TA5259</a>
M11/16ORFS-M11/16ORFS BL	11/16-16	11/16-16	11.2	34	53.2	6.5	6.5	27	27	<a href="#">167TA4930</a>
M13/16ORFS-M13/16ORFS BL	13/16-16	13/16-16	12.8	36.5	58.3	9.5	9.5	30	30	<a href="#">167TA5010</a>
M1 ORFS-M1 ORFS BL	1-14	1-14	15.5	40.6	66.6	12.5	12.5	36	36	<a href="#">154TA8799</a>
M1 3/16ORFS-M1 3/16ORFS BL	1 3/16-12	1 3/16-12	17	41.7	69.2	15.5	15.5	38	38	<a href="#">167TA5272</a>
M1 7/16ORFS-M1 7/16ORFS BL	1 7/16-12	1 7/16-12	17.5	42.2	70.2	20.5	20.5	46	46	<a href="#">151TA9469</a>
M1 11/16ORFS-M1 11/16ORFS BL	1 11/16-12	1 11/16-12	17.5	42.2	70.2	26	26	50	50	<a href="#">151TA9470</a>
M2 ORFS-M2 ORFS BL	2-12	2-12	17.5	42.2	70.2	32	32	60	60	<a href="#">151TA9471</a>

## ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS



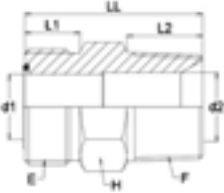
Description	E ORFS	F ORFS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M9/16ORFS-FS11/16ORFS	9/16-18	11/16-16	9.8	19	36.8	4.5	6.5	17	22	<a href="#">151TA9480</a>
M9/16ORFS-FS13/16ORFS	9/16-18	13/16-16	9.8	21	39.5	4.5	9	19	24	<a href="#">151TA9481</a>
M9/16ORFS-FS1 ORFS	9/16-18	1-14	9.8	25	46.4	4.5	11.5	27	30	<a href="#">151TA9482</a>
M9/16ORFS-FS1 3/16ORFS	9/16-18	1 3/16-12	9.8	26.5	49.4	4.5	14	32	36	<a href="#">151TA9483</a>
M11/16ORFS-FS13/16ORFS	11/16-16	13/16-16	11.2	21	40.9	6.5	9	19	24	<a href="#">151TA9484</a>
M11/16ORFS-FS1 ORFS	11/16-16	1-14	11.2	25	47.8	6.5	11.5	27	30	<a href="#">151TA9485</a>
M11/16ORFS-FS1 3/16ORFS	11/16-16	1 3/16-12	11.2	26.5	50.8	6.5	14	32	36	<a href="#">151TA9486</a>

### ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS

Description	E ORFS	F ORFS	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H2 mm	REF
M13/16ORFS-FS1 ORFS	13/16-16	1-14	12.8	25	49.4	9.5	11.5	27	30	<a href="#">151TA9487</a>
M13/16ORFS-FS1 3/16ORFS	13/16-16	1 3/16-12	12.8	26.5	52.4	9.5	14	32	36	<a href="#">151TA9488</a>
M13/16ORFS-FS1 7/16ORFS	13/16-16	1 7/16-12	12.8	28	54.8	9.5	20	36	41	<a href="#">151TA9489</a>
M1 ORFS-FS1 3/16ORFS	1-14	1 3/16-12	15.5	26.5	55	12.5	14	32	36	<a href="#">167TA4981</a>
M1 ORFS-FS1 7/16ORFS	1-14	1 7/16-12	15.5	28	57.5	12.5	20	36	41	<a href="#">151TA9491</a>
M1 3/16ORFS-FS1 11/16ORFS	1 3/16-12	1 11/16-12	17	28	59.3	15.5	26	41	50	<a href="#">151TA9492</a>
M1 7/16ORFS-FS1 11/16ORFS	1 7/16-12	1 11/16-12	17.5	28	59.8	20.5	26	41	50	<a href="#">151TA9493</a>

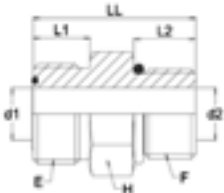
### ADAPTOR - MALE ORFS / MALE NPT

Description	E ORFS	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M1/8NPT	9/16-18	1/8-27	9.8	9.7	27.5	4.5	4.5	17	<a href="#">151TA9510</a>
M9/16ORFS-M1/4NPT	9/16-18	1/4-18	9.8	14.2	32	4.5	6	17	<a href="#">167TA8404</a>
M9/16ORFS-M3/8NPT	9/16-18	3/8-18	9.8	14.2	32.7	4.5	9	19	<a href="#">151TA9512</a>
M11/16ORFS-M1/4NPT	11/16-16	1/4-18	11.2	14.2	34.1	6.5	6.5	19	<a href="#">124TA4408</a>
M11/16ORFS-M3/8NPT	11/16-16	3/8-18	11.2	14.2	34.1	6.5	9	19	<a href="#">161TA5167</a>
M11/16ORFS-M1/2NPT	11/16-16	1/2-14	11.2	19	40	6.5	12	22	<a href="#">151TA9515</a>
M13/16ORFS-M3/8NPT	13/16-16	3/8-18	12.8	14.2	36.8	9.5	9.5	22	<a href="#">167TA8405</a>
M13/16ORFS-M1/2NPT	13/16-16	1/2-14	12.8	19	42	9.5	12	22	<a href="#">161TA4012</a>
M13/16ORFS-M3/4NPT	13/16-16	3/4-14	12.8	19	43.4	9.5	16.5	27	<a href="#">167TA8406</a>
M1 ORFS-M1/2NPT	1-14	1/2-14	15.5	19	46.1	12.5	12.5	27	<a href="#">167TA8407</a>
M1 ORFS-M3/4NPT	1-14	3/4-14	15.5	19	46.1	12.5	16.5	27	<a href="#">151TA9520</a>
M1 3/16ORFS-M3/4NPT	1 3/16-12	3/4-14	17	19	49.1	15.5	15.5	32	<a href="#">167TA4732</a>
M1 3/16ORFS-M1 NPT	1 3/16-12	1-11	17	23.9	54.9	15.5	21.5	36	<a href="#">151TA9522</a>
M1 7/16ORFS-M1 NPT	1 7/16-12	1-11	17.5	23.9	55.7	20.5	20.5	41	<a href="#">151TA9523</a>
M1 11/16ORFS-M1 1/4NPT	1 11/16-12	1 1/4-11.5	17.5	24.6	58.4	26	26	46	<a href="#">151TA9524</a>
M2 ORFS-M1 1/2NPT	2-12	1 1/2-11.5	17.5	25.4	61	32	32	55	<a href="#">151TA9525</a>



### ADAPTOR - MALE ORFS / MALE SAE

Description	E ORFS	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-M7/16SAE	9/16-18	7/16-20	9.8	11	28.8	4.5	4.5	17	<a href="#">124TA4422</a>
M9/16ORFS-M1/2SAE	9/16-18	1/2-20	9.8	11	28.8	4.5	6	17	<a href="#">151TA9550</a>
M9/16ORFS-M9/16SAE	9/16-18	9/16-18	9.8	12	29.5	4.5	6.5	17	<a href="#">124TA4423</a>
M9/16ORFS-M3/4SAE	9/16-18	3/4-16	9.8	14	33.6	4.5	9.5	22	<a href="#">161TA3720</a>
M11/16ORFS-M7/16SAE	11/16-16	7/16-20	11.2	11	34.1	6.5	4.5	19	<a href="#">124TA4424</a>
M11/16ORFS-M1/2SAE	11/16-16	1/2-20	11.2	11	30.8	6.5	6.5	19	<a href="#">151TA9554</a>
M11/16ORFS-M9/16SAE	11/16-16	9/16-18	11.2	12	31.9	6.5	6.5	19	<a href="#">124TA4425</a>
M11/16ORFS-M3/4SAE	11/16-16	3/4-16	11.2	14	35.1	6.5	9.5	22	<a href="#">124TA4426</a>
M13/16ORFS-M9/16SAE	13/16-13	9/16-18	12.8	12	37.5	9.5	6.5	22	<a href="#">124TA4427</a>
M13/16ORFS-M3/4SAE	13/16-13	3/4-16	12.8	14	36.6	9.5	9.5	22	<a href="#">124TA4428</a>
M13/16ORFS-M7/8SAE	13/16-13	7/8-14	12.8	16	40.5	9.5	11.8	27	<a href="#">124TA4429</a>
M1 ORFS-M3/4SAE	1-14	3/4-16	15.5	14	45.2	12.5	9.5	27	<a href="#">124TA4430</a>
M1 ORFS-M7/8SAE	1-14	7/8-14	15.5	16	43.1	12.5	12.5	27	<a href="#">167TA5250</a>
M1 ORFS-M1 1/16SAE	1-14	1 1/16-12	15.5	18.5	47.1	12.5	15.5	32	<a href="#">124TA4431</a>
M1 3/16ORFS-M7/8SAE	1 3/16-12	7/8-14	17	16	50.5	15.5	12.5	32	<a href="#">160TA7831</a>
M1 3/16ORFS-M 1/16SAE	1 3/16-12	1 1/16-12	17	18.5	48.6	15.5	15.5	32	<a href="#">167TA5186</a>
M1 3/16ORFS-M 5/16SAE	1 3/16-12	1 5/16-12	17	18.5	48.5	15.5	20.5	38	<a href="#">167TA4887</a>
M1 7/16ORFS-M1 1/16SAE	1 7/16-12	1 1/16-12	17.5	18.5	54.3	20.5	15.5	41	<a href="#">124TA4434</a>
M1 7/16ORFS-M1 5/16SAE	1 7/16-12	1 5/16-12	17.5	18.5	50.3	20.5	20.5	38	<a href="#">151TA9567</a>



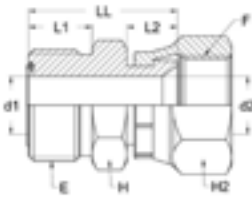
# ADAPTORS TYPE ORFS SAE

## ADAPTOR - MALE ORFS / MALE SAE

Description	E ORFS	F SAE	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1 7/16ORFS-M1 5/8SAE	1 7/16-12	1 5/8-12	17.5	18.5	52.3	20.5	26	50	<a href="#">167TA5126</a>
M1 1/16ORFS-M1 5/16SAE	1 11/16-12	1 5/16-12	17.5	18.5	52	26	20.5	46	<a href="#">151TA9569</a>
M1 1/16ORFS-M1 5/8SAE	1 11/16-12	1 5/8-12	17.5	18.5	52.3	26	26	50	<a href="#">167TA5184</a>
M1 1/16ORFS-M1 7/8SAE	1 11/16-12	1 7/8-12	17.5	18.5	54.1	26	32	55	<a href="#">151TA9571</a>
M2 ORFS-M1 7/8SAE	2-12	1 7/8-12	17.5	18.5	54.1	32	32	55	<a href="#">151TA9572</a>

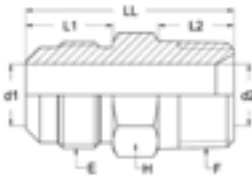
## ADAPTOR - MALE ORFS / FEMALE SWIVEL JIC

Description	E ORFS	F JIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	H1 mm	REF
M9/16ORFS-FS7/16JIC	9/16-18	7/16-20	10	8.1	24	3.8	3.8	17	15	<a href="#">167TA8408</a>
M11/16ORFS-FS7/16JIC	11/16-16	7/16-20	10.6	8.4	25.5	6.5	3.8	19	15	<a href="#">167TA8409</a>
M11/16ORFS-FS9/16JIC	11/16-16	9/16-18	11.2	8.8	26.4	6.5	6.5	19	19	<a href="#">167TA8410</a>
M13/16ORFS-FS3/4JIC	13/16-16	3/4-16	12.6	10.6	31.8	9.5	9.5	22	24	<a href="#">167TA8411</a>
M1 ORFS-FS7/8JIC	1-14	7/8-14	15.4	12.3	36.5	12	12	27	27	<a href="#">167TA8412</a>
M1 3/16ORFS-FS1 1/16JIC	1 3/16-16	1 1/16-12	16.9	13	40.5	15	15	32	32	<a href="#">167TA8413</a>
M1 7/16ORFS-FS1 5/16JIC	1 7/16-12	1 5/16-12	17.5	12.5	41	20.5	20.5	38	41	<a href="#">167TA8414</a>



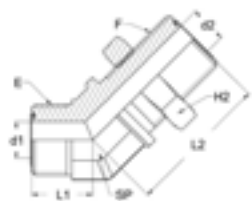
## ADAPTOR - MALE SAE 90° CONE / MALE NPT

Description	E SAE	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M5/8SAE-M1/4NPT	5/8-18	1/4-18	15.7	14.2	36.6	7	7	17	<a href="#">151TA9627</a>
M5/8SAE-M3/8NPT	5/8-18	3/8-18	15.7	14.2	36.6	7	9	19	<a href="#">167TA8415</a>
M5/8SAE-M1/2NPT	5/8-18	1/2-14	15.7	19	42.9	7	12	22	<a href="#">167TA8416</a>
M5/8SAE-M1 NPT	5/8-18	1-11	15.7	23.9	51.9	7	21.5	36	<a href="#">167TA8417</a>

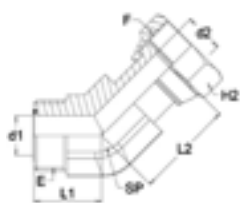


## 45° ADAPTOR - MALE ORFS / MALE BULKHEAD ORFS + LOCKNUT

Description	E ORFS	F ORFS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M9/16ORFS BL	9/16-18	9/16-18	16	44	4.5	4.5	22	14	<a href="#">167TA8418</a>
M11/16ORFS-M11/16ORFS BL	11/16-16	11/16-16	18.8	48.5	6.5	6.5	27	19	<a href="#">167TA8419</a>
M13/16ORFS-M13/16ORFS BL	13/16-16	13/16-16	20.3	51	9.5	9.5	30	19	<a href="#">167TA8420</a>
M1 ORFS-M1 ORFS BL	1-14	1-14	23.4	56.6	12.5	12.5	36	27	<a href="#">167TA8421</a>
M1 3/16ORFS-M1 3/16ORFS BL	1 3/16-12	1 3/16-12	25.9	60.7	15.5	15.5	41	30	<a href="#">167TA8422</a>
M1 7/16ORFS-M1 7/16ORFS BL	1 7/16-12	1 7/16-12	30	65.2	20.5	20.5	46	36	<a href="#">167TA8423</a>
M1 11/16ORFS-M1 11/16ORFS BL	1 11/16-12	1 11/16-12	32	67	26	26	50	41	<a href="#">167TA8424</a>
M2 ORFS-M2 ORFS BL	2-12	2-12	36.8	67	32	32	60	48	<a href="#">167TA8425</a>

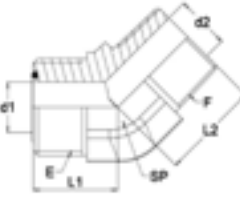


### 45° ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS



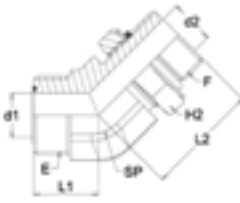
Description	E ORFS	F ORFS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-FS9/16ORFS 45°	9/16-18	9/16-18	16	22	4.5	4	19	14	<a href="#">151TA9494</a>
M11/16ORFS-FS11/16ORFS 45°	11/16-16	11/16-16	18.8	25.5	6.5	6.5	22	19	<a href="#">151TA9495</a>
M13/16ORFS-FS13/16ORFS 45°	13/16-16	13/16-16	24	30	9.5	9	27	19	<a href="#">167TA5121</a>
M1 ORFS-FS1 ORFS 45°	1-14	1-14	23.4	35.5	12.5	11.5	30	27	<a href="#">151TA9497</a>
M1 3/16ORFS-FS1 3/16ORFS 45°	1 3/16-12	1 3/16-12	25.9	40.5	15.5	14	36	30	<a href="#">151TA9498</a>
M1 7/16ORFS-FS1 7/16ORFS 45°	1 7/16-12	1 7/16-12	33	45.5	20.5	20	41	36	<a href="#">151TA9499</a>
M1 11/16ORFS-FS1 11/16ORFS 45°	1 11/16-12	1 11/16-12	32	45.5	26	26	50	41	<a href="#">151TA9500</a>
M2 ORFS-FS2 ORFS 45°	2-12	2-12	36.8	47.5	32	32	60	48	<a href="#">151TA9501</a>

### 45° ADAPTOR - MALE ORFS / MALE NPT



Description	E ORFS	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M9/16ORFS-M1/8NPT 45°	9/16-18	1/8-27	16	17	4.5	4.5	14	<a href="#">151TA9526</a>
M9/16ORFS-M1/4NPT 45°	9/16-18	1/4-18	16	21.8	4.5	6	14	<a href="#">151TA9527</a>
M9/16ORFS-M3/8NPT 45°	9/16-18	3/8-18	17.3	24.1	4.5	9	19	<a href="#">151TA9528</a>
M11/16ORFS-M1/4NPT 45°	11/16-16	1/4-18	18.8	24.1	6.5	6	19	<a href="#">151TA9529</a>
M11/16ORFS-M3/8NPT 45°	11/16-16	3/8-18	18.8	24.1	6.5	9	19	<a href="#">151TA9530</a>
M11/16ORFS-M1/2NPT 45°	11/16-16	1/2-14	19.3	29.7	6.5	12	22	<a href="#">151TA9531</a>
M13/16ORFS-M3/8NPT 45°	13/16-16	3/8-18	20.3	24.1	9.5	9	19	<a href="#">151TA9532</a>
M13/16ORFS-M1/2NPT 45°	13/16-16	1/2-14	20.9	29.7	9.5	12	22	<a href="#">151TA9533</a>
M1 ORFS-M1/2NPT 45°	1-14	1/2-14	23.4	30.5	12.5	12	27	<a href="#">151TA9534</a>
M1 3/16ORFS-M3/4NPT 45°	1 3/16-12	3/4-14	25.9	30.5	15.5	16.5	30	<a href="#">151TA9535</a>
M1 7/16ORFS-M1 NPT 45°	1 7/16-12	1-11.5	30	37.6	20.5	21.5	36	<a href="#">151TA9536</a>

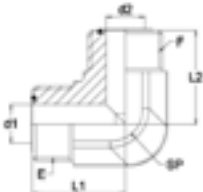
### 45° ADAPTOR - MALE ORFS / ADJUSTABLE MALE SAE



Description	E ORFS	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M7/16UNF OR 45°	9/16-18	7/16-20	18.3	26	4.5	5	17	14	<a href="#">161TA1161</a>
M9/16ORFS-M9/16UNF OR 45°	9/16-18	9/16-18	18.3	28	4.5	7.5	19	14	<a href="#">161TA3079</a>
M11/16ORFS-M7/16UNF OR 45°	11/16-16	7/16-20	20.5	27.3	6.5	5	17	19	<a href="#">167TA5160</a>
M11/16ORFS-M9/16UNF OR 45°	11/16-16	9/16-18	20.5	29.5	6.5	7.5	19	19	<a href="#">167TA5124</a>
M11/16ORFS-M3/4UNF OR 45°	11/16-16	3/4-16	20.5	32.5	6.5	9.5	24	19	<a href="#">152TA8974</a>
M13/16ORFS-M9/16UNF OR 45°	13/16-16	9/16-18	24	33	9.5	6.5	19	19	<a href="#">167TA4954</a>
M13/16ORFS-M3/4UNF OR 45°	13/16-16	3/4-16	24	33	9.5	9.5	24	19	<a href="#">161TA3203</a>
M13/16ORFS-M7/8UNF OR 45°	13/16-16	7/8-14	24	39.5	9.5	12.5	27	22	<a href="#">167TA5235</a>
M1 ORFS-M3/4UNF OR 45°	1-14	3/4-16	28	34	12.5	9.5	24	27	<a href="#">151TA9581</a>
M1 ORFS-M7/8UNF OR 45°	1-14	7/8-14	23.4	44.7	12.5	12.5	27	27	<a href="#">167TA4610</a>
M1 ORFS-M 1 1/16UNF OR 45°	1- 14	1 1/16-12	28	44	12.5	15.5	32	27	<a href="#">161TA4232</a>
M1 3/16ORFS-M7/8UNF OR 45°	1 3/16-12	7/8-14	30.7	42	15	12.5	27	30	<a href="#">167TA5065</a>
M1 3/16ORFS-M1 1/16UNF OR 45°	1 3/16-12	1 1/16-12	30.7	45.5	15.5	15.5	32	30	<a href="#">161TA4358</a>
M1 3/16ORFS-M1 5/16UNF OR 45°	1 3/16-12	1 5/16-12	32.5	47.9	15.5	20.5	41	36	<a href="#">161TA4489</a>
M1 7/16ORFS-M1 1/16UNF OR 45°	1 7/16-12	1 1/16-12	33	47.9	20	15.1	32	36	<a href="#">151TA9587</a>
M1 7/16ORFS-M1 5/16UNF OR 45°	1 7/16-12	1 5/16-12	33	47.9	20.5	21.5	41	36	<a href="#">161TA3721</a>
M1 7/16ORFS-M1 5/8UNF OR 45°	1 7/16-12	1 5/8-12	35	48.5	20.5	26	50	41	<a href="#">151TA9589</a>
M1 11/16ORFS-M1 5/8UNF OR 45°	1 11/16-12	1 5/8-12	35.5	48.8	26	27	50	41	<a href="#">151TA9590</a>
M1 11/16ORFS-M1 7/8UNF OR 45°	1 11/16-12	1 7/8-12	38	51	26	33	55	48	<a href="#">151TA9591</a>
M2 ORFS-M1 7/8UNF OR 45°	2- 12	1 7/8-12	39	52	32	32	55	50	<a href="#">151TA9592</a>

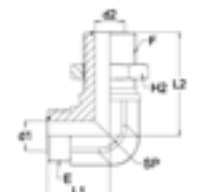
# ADAPTORS TYPE ORFS SAE

## 90° ADAPTOR - MALE ORFS / MALE ORFS



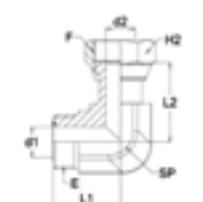
Description	E ORFS	F ORFS	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M9/16ORFS-M9/16ORFS 90°	9/16-18	9/16-18	21.5	21.5	4.5	4.5	14	<a href="#">151TA9453</a>
M9/16ORFS-M11/16ORFS 90°	9/16-18	11/16-16	23.5	25	4.5	6.5	19	<a href="#">151TA9454</a>
M11/16ORFS-M11/16ORFS 90°	11/16-16	11/16-16	25	25	6.5	6.5	19	<a href="#">167TA5245</a>
M11/16ORFS-M13/16ORFS 90°	11/16-16	11/16-16	26.5	28	6.5	9.5	19	<a href="#">151TA9456</a>
M13/16ORFS-M13/16ORFS 90°	13/16-16	13/16-16	28	28	9.5	9.5	19	<a href="#">151TA9457</a>
M13/16ORFS-M1 3/16ORFS 90°	13/16-16	13/16-16	33.5	37.3	9.5	15.5	30	<a href="#">151TA9458</a>
M1 ORFS-M1 ORFS 90°	1-14	1-14	33.3	33.3	12.5	12.5	27	<a href="#">151TA9459</a>
M1 3/16ORFS-M1 3/16ORFS 90°	1 3/16-12	1 3/16-12	37.3	37.3	15.5	15.5	30	<a href="#">151TA9460</a>
M1 7/16ORFS-M1 7/16ORFS 90°	1 7/16-12	1 7/16-12	41.7	41.7	20.5	20.5	36	<a href="#">151TA9461</a>
M1 11/16ORFS-M1 11/16ORFS 90°	1 11/16-12	1 11/16-12	44.7	44.7	26	26	41	<a href="#">151TA9462</a>
M2 ORFS-M2 ORFS 90°	2-12	2-12	48.8	48.8	32	32	48	<a href="#">151TA9463</a>

## 90° ADAPTOR - MALE ORFS / MALE BULKHEAD ORFS + LOCKNUT



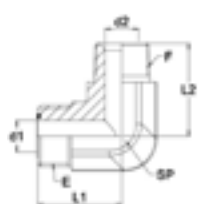
Description	E ORFS	F ORFS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M9/16ORFS 90° BL	9/16-18	9/16-18	22.5	47	4.5	4.5	22	14	<a href="#">161TA4011</a>
M11/16ORFS-M11/16ORFS 90° BL	11/16-16	11/16-16	26	52	6.5	6.5	27	19	<a href="#">167TA5188</a>
M13/16ORFS-M13/16ORFS 90° BL	13/16-16	13/16-16	29	55.5	9.5	9.5	30	19	<a href="#">167TA5170</a>
M1 ORFS-M1 ORFS 90° BL	1-14	1-14	34.5	63	12.5	12.5	36	27	<a href="#">151TA9475</a>
M1 3/16ORFS-M1 3/16ORFS 90° BL	1 3/16-12	1 3/16-12	38.5	67.2	15.5	15.5	38	30	<a href="#">151TA9476</a>
M1 7/16ORFS-M1 7/16ORFS 90° BL	1 7/16-12	1 7/16-12	42.5	71.2	20.5	20.5	46	36	<a href="#">151TA9477</a>
M1 11/16ORFS-M1 11/16ORFS 90° BL	1 11/16-12	1 11/16-12	45.5	75.5	26	26	50	41	<a href="#">151TA9478</a>
M2 ORFS-M2 ORFS 90° BL	2-12	2-12	49.5	79.5	32	32	60	48	<a href="#">151TA9479</a>

## 90° ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS



Description	E ORFS	F ORFS	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-FS9/16ORFS 90°	9/16-18	9/16-18	21.5	26.4	4.5	4	19	14	<a href="#">167TA5053</a>
M11/16ORFS-FS11/16ORFS 90°	11/16-16	11/16-16	25	29.2	6.5	6.5	22	19	<a href="#">167TA4757</a>
M13/16ORFS-FS13/16ORFS 90°	13/16-16	13/16-16	28	37.9	9.5	9	24	19	<a href="#">167TA4696</a>
M1 ORFS-FS1 ORFS 90°	1-14	1-14	33.3	41.2	12.5	11.5	30	27	<a href="#">167TA4997</a>
M1 3/16ORFS-FS1 3/16ORFS 90°	1 3/16-12	1 3/16-12	37.3	46.3	15.5	14	36	30	<a href="#">151TA9506</a>
M1 7/16ORFS-FS1 7/16ORFS 90°	1 7/16-12	1 7/16-12	41.7	53.3	20.5	20	41	36	<a href="#">167TA4917</a>
M1 11/16ORFS-FS1 11/16ORFS 90°	1 11/16-12	1 11/16-12	44.7	58.2	26	26	50	41	<a href="#">151TA9508</a>
M2 ORFS-FS2 ORFS 90°	2-12	2-12	48.8	61.2	32	32	60	48	<a href="#">151TA9509</a>

## 90° ADAPTOR - MALE ORFS / MALE NPT

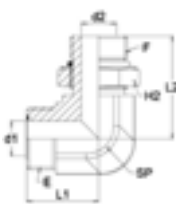


Description	E ORFS	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M9/16ORFS-M1/8NPT 90°	9/16-18	1/8-27	21.5	22.9	4.5	4.5	14	<a href="#">167TA5239</a>
M9/16ORFS-M1/4NPT 90°	9/16-18	1/4-18	21.5	27.7	4.5	6	14	<a href="#">167TA4759</a>
M11/16ORFS-M1/4NPT 90°	11/16-16	1/4-18	25	31	6.5	6	19	<a href="#">167TA5258</a>
M11/16ORFS-M3/8NPT 90°	11/16-16	3/8-18	25	31	6.5	9	19	<a href="#">151TA9540</a>
M11/16ORFS-M1/2NPT 90°	11/16-16	1/2-14	29.2	37.3	6.5	12	22	<a href="#">151TA9541</a>
M13/16ORFS-M3/8NPT 90°	13/16-16	3/8-18	28	31	9.5	9	19	<a href="#">167TA5150</a>
M13/16ORFS-M1/2NPT 90°	13/16-16	1/2-14	30.8	37.3	9.5	12	22	<a href="#">167TA5164</a>
M13/16ORFS-M3/4NPT 90°	13/16-16	3/4-14	33.5	40.4	9.5	16.5	27	<a href="#">151TA9544</a>
M1 ORFS-M1/2NPT 90°	1-14	1/2-14	33.3	40.4	12.5	12	27	<a href="#">167TA5210</a>
M1 ORFS-M3/4NPT 90°	1-14	3/4-14	33.3	40.4	12.5	16.5	27	<a href="#">151TA9546</a>

### 90° ADAPTOR - MALE ORFS / MALE NPT

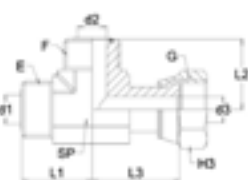
Description	E ORFS	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1 3/16ORFS-M3/4NPT 90°	1 3/16-12	3/4-14	37.3	40.4	15.5	16.5	30	<a href="#">151TA9547</a>
M1 7/16ORFS-M1 NPT 90°	1 7/16-12	1-11.5	41.7	50	20.5	21.5	36	<a href="#">151TA9548</a>

### 90° ADAPTOR - MALE ORFS / ADJUSTABLE MALE SAE



Description	E ORFS	F SAE	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-M7/16UNF OR 90°	9/16-18	7/16-20	21.5	32.7	4.5	5	14	14	<a href="#">161TA1115</a>
M9/16ORFS-M9/16UNF OR 90°	9/16-18	9/16-18	23.5	36.8	4.5	6.5	17	19	<a href="#">161TA5054</a>
M11/16ORFS-M7/16UNF OR 90°	11/16-16	7/16-20	25	34.8	6.5	5	14	19	<a href="#">161TA5310</a>
M11/16ORFS-M9/16UNF OR 90°	11/16-16	9/16-18	25	36.8	6.5	6.5	17	19	<a href="#">161TA3078</a>
M11/16ORFS-M3/4UNF OR 90°	11/16-16	3/4-16	26.5	40.6	6.5	9.5	22	19	<a href="#">167TA4931</a>
M13/16ORFS-M9/16UNF OR 90°	13/16-16	9/16-18	28	36.5	9.5	6.5	17	19	<a href="#">167TA4623</a>
M13/16ORFS-M3/4UNF OR 90°	13/16-16	3/4-16	28	40.6	9.5	9.5	22	19	<a href="#">161TA2415</a>
M13/16ORFS-M7/8UNF OR 90°	13/16-16	7/8-14	30.8	50	9.5	12.5	27	19	<a href="#">167TA4900</a>
M13/16ORFS-M1 1/16UNF OR 90°	13/16-16	1 1/16-12	33.5	55.1	9.5	15.5	32	30	<a href="#">161TA4249</a>
M1 ORFS-M3/4UNF OR 90°	1-14	3/4-16	33.3	45.7	12.5	9.5	22	27	<a href="#">160TA6960</a>
M1 ORFS-M7/8UNF OR 90°	1-14	7/8-14	33.3	50	12.5	12.5	27	27	<a href="#">167TA5277</a>
M1 ORFS-M1 1/16UNF OR 90°	1-14	1 1/16-12	35.8	55.1	12.5	15.5	32	30	<a href="#">167TA5227</a>
M1 3/16ORFS-M7/8UNF OR 90°	1 3/16-12	7/8-14	37.3	51	15.5	12	27	30	<a href="#">167TA5132</a>
M1 3/16ORFS-M1 1/16UNF OR 90°	1 3/16-12	1 1/16-12	37.3	55.1	15.5	15.5	32	30	<a href="#">154TA9078</a>
M1 3/16ORFS-M1 5/16UNF OR 90°	1 3/16-12	1 5/16-12	41.2	59.7	15.5	20.5	41	36	<a href="#">160TA5474</a>
M1 7/16ORFS-M1 1/16UNF OR 90°	1 7/16-12	1 1/16-12	41.7	59	20.5	15.5	32	36	<a href="#">167TA5154</a>
M1 7/16ORFS-M1 5/16UNF OR 90°	1 7/16-12	1 5/16-12	41.7	59.7	20.5	20.5	41	36	<a href="#">161TA2949</a>
M1 7/16ORFS-M1 5/8UNF OR 90°	1 7/16-12	1 5/8-12	44.7	62.2	20.5	26	50	41	<a href="#">151TA9610</a>
M1 11/16ORFS-M1 5/16UNF OR 90°	1 11/16-12	1 5/16-12	44.7	62.2	26	20.5	41	41	<a href="#">151TA9611</a>
M1 11/16ORFS-M1 5/8UNF OR 90°	1 11/16-12	1 5/8-12	44.7	62.2	26	26	50	41	<a href="#">151TA9612</a>
M1 11/16ORFS-M1 7/8UNF OR 90°	1 11/16-12	1 7/8-12	48.8	65.8	26	32	55	48	<a href="#">151TA9613</a>
M2 ORFS-M1 7/8UNF OR 90°	2-12	1 7/8-12	48.8	65.8	32	32	55	48	<a href="#">151TA9614</a>

### L ADAPTOR - MALE ORFS / MALE ORFS / FEMALE SWIVEL ORFS

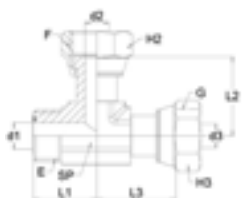


Description	E ORFS	F ORFS	G ORFS	L1 mm	L2 mm	L3 mm	H3 mm	SP	REF
M9/16ORFS-M9/16ORFS-FS9/16ORFS	9/16-18	9/16-18	9/16-18	23	23	26	19	14	<a href="#">160TA6959</a>
M11/16ORFS-M11/16ORFS-FS11/16ORFS	11/16-16	11/16-16	11/16-16	27.5	27.5	31	22	19	<a href="#">160TA7460</a>
M13/16ORFS-M13/16ORFS-FS13/16ORFS	13/16-16	13/16-16	13/16-16	31	31	36	27	22	<a href="#">160TA6234</a>
M1 ORFS-M1 ORFS-FS1 ORFS	1-14	1-14	1-14	36.5	36.5	43	30	27	<a href="#">167TA5048</a>
M1 3/16ORFS-M1 3/16ORFS-FS1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	40.3	40.3	48	36	30	<a href="#">167TA5118</a>
M1 7/16ORFS-M1 7/16ORFS-FS1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	41.7	41.7	53.3	41	36	<a href="#">167TA5009</a>
M1 11/16ORFS-M1 11/16ORFS-FS1 11/16ORFS	1 11/16-12	1 11/16-12	1 11/16-12	47.5	47.5	68	50	41	<a href="#">151TA9642</a>

# ADAPTORS TYPE ORFS SAE

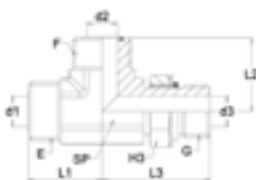
## L ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS / FEMALE SWIVEL ORFS

Description	E ORFS	F ORFS	G ORFS	L1 mm	L2 mm	L3 mm	H2 mm	H3 mm	REF
M9/16ORFS-FS9/16ORFS-FS9/16ORFS	9/16-18	9/16-18	9/16-18	21.5	26.4	26.4	19	19	<a href="#">151TA9643</a>
M11/16ORFS-FS11/16ORFS-FS11/16ORFS	11/16-16	11/16-16	11/16-16	25	29.2	29.2	22	22	<a href="#">151TA9644</a>
M13/16ORFS-FS13/16ORFS-FS13/16ORFS	13/16-16	13/16-16	13/16-16	28	37.9	37.9	24	24	<a href="#">151TA9645</a>
M1 ORFS-FS1 ORFS-FS1 ORFS	1-14	1-14	1-14	36.5	43	43	30	30	<a href="#">151TA9646</a>
M1 3/16ORFS-FS1 3/16ORFS-FS1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	37.3	46.3	46.3	36	36	<a href="#">151TA9647</a>
M1 7/16ORFS-FS1 7/16ORFS-FS1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	41.7	53.3	53.3	41	41	<a href="#">151TA9648</a>



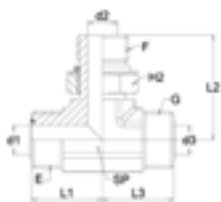
## L ADAPTOR - MALE ORFS / MALE ORFS / ADJUSTABLE MALE SAE

Description	E ORFS	F ORFS	G SAE	L1 mm	L2 mm	L3 mm	H3 mm	SP	REF
M9/16ORFS-M9/16ORFS-M7/16UNF OR	9/16-18	9/16-18	7/16-20	21.5	21.5	32.7	14	14	<a href="#">151TA9665</a>
M9/16ORFS-M9/16ORFS-M9/16UNF OR	9/16-18	9/16-18	9/16-18	23	22.5	34.5	14	17	<a href="#">167TA8426</a>
M11/16ORFS-M11/16ORFS-M9/16UNF OR	11/16-16	11/16-16	9/16-18	25	25	36.8	17	19	<a href="#">160TA6855</a>
M13/16ORFS-M13/16ORFS-M3/4UNF OR	13/16-16	13/16-16	3/4-16	28	28	40.6	22	19	<a href="#">151TA9667</a>
M1 ORFS-M1 ORFS-M7/8UNF OR	1-14	1-14	7/8-14	33.3	33.3	50	27	27	<a href="#">167TA5067</a>
M1 3/16ORFS-M1 3/16ORFS-M1 1/16UNF OR	1 3/16-12	1 3/16-12	1 1/16-12	37.3	37.3	55.1	32	30	<a href="#">167TA4849</a>
M1 7/16ORFS-M1 7/16ORFS-M1 5/16UNF OR	1 7/16-12	1 7/16-12	1 5/16-12	41.7	41.7	59.7	41	36	<a href="#">151TA9670</a>
M1 11/16ORFS-M1 11/16ORFS-M1 5/8UNF OR	1 11/16-12	1 11/16-12	1 5/8-12	44.7	44.7	62.2	50	41	<a href="#">167TA5197</a>



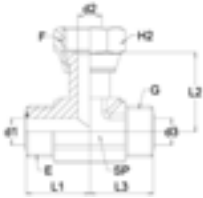
## T ADAPTOR - MALE ORFS / ADJUSTABLE MALE SAE / MALE ORFS

Description	E ORFS	F SAE	G ORFS	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M9/16ORFS-M7/16UNF OR-M9/16ORFS	9/16-18	7/16-20	9/16-18	23	30.3	23	17	14	<a href="#">160TA9393</a>
M11/16ORFS-M9/16UNF OR-M11/16ORFS	11/16-16	9/16-18	11/16-16	27.5	35.5	27.5	19	19	<a href="#">161TA2416</a>
M13/16ORFS-M3/4UNF OR-M13/16ORFS	13/16-16	3/4-16	13/16-16	31	40.5	31	24	22	<a href="#">167TA5217</a>
M1 ORFS-M7/8UNF OR-M1 ORFS	1-14	7/8-14	1-14	34.5	50	34.5	27	27	<a href="#">167TA5280</a>
M1 3/16ORFS-M1 1/16UNF OR-M1 3/16ORFS	1 3/16-12	1 1/16-12	1 3/16-12	40.3	55.3	40.3	32	30	<a href="#">167TA5261</a>
M1 7/16ORFS-M1 5/16UNF OR-M1 7/16ORFS	1 7/16-12	1 5/16-12	1 7/16-12	41.5	59.3	41.5	41	36	<a href="#">151TA9662</a>
M1 11/16ORFS-M1 5/8UNF OR-M1 11/16ORFS	1 11/16-12	1 5/8-12	1 11/16-12	47.5	60.5	47.5	50	41	<a href="#">167TA4625</a>
M2 ORFS-M1 7/8UNF OR-M2 ORFS	2-12	1 7/8-12	2-12	53.5	68	53.5	55	50	<a href="#">151TA9664</a>



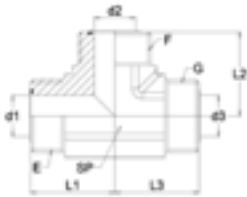
### T ADAPTOR - MALE ORFS / FEMALE SWIVEL ORFS / MALE ORFS

Description	E ORFS	F ORFS	G ORFS	L1 mm	L2 mm	L3 mm	H2 mm	SP	REF
M9/16ORFS-FS9/16ORFS-M9/16ORFS	9/16-18	9/16-18	9/16-18	22.5	26	22.5	19	14	<a href="#">151TA9649</a>
M11/16ORFS-FS11/16ORFS-M11/16ORFS	11/16-16	11/16-16	11/16-16	27.5	31	27.5	22	19	<a href="#">167TA5216</a>
M13/16ORFS-FS13/16ORFS-M13/16ORFS	13/16-16	13/16-16	13/16-16	31	36	31	27	22	<a href="#">160TA7688</a>
M1 ORFS-FS1 ORFS-M1 ORFS	1-14	1-14	1-14	36.5	43	36.5	30	27	<a href="#">151TA9652</a>
M1 3/16ORFS-FS1 3/16ORFS-M1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	40.3	47	40.3	36	33	<a href="#">151TA9653</a>
M1 7/16ORFS-FS1 7/16ORFS-M1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	42	53	42	41	35	<a href="#">167TA5225</a>
M1 11/16ORFS-FS1 11/16ORFS-M1 11/16ORFS	1 11/16-12	1 11/16-12	1 11/16-12	42.5	53.3	42.5	41	36	<a href="#">151TA9655</a>
M2 ORFS-FS2 ORFS-M2 ORFS	2-12	2-12	2-12	49.5	61.2	49.5	60	48	<a href="#">151TA9656</a>



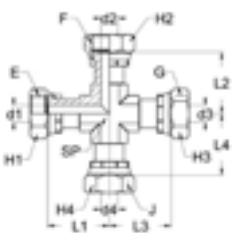
### T ADAPTOR - MALE ORFS / MALE ORFS / MALE ORFS

Description	E ORFS	F ORFS	G ORFS	L1 mm	L2 mm	L3 mm	SP	REF
M9/16ORFS-M9/16ORFS-M9/16ORFS	9/16-18	9/16-18	9/16-18	21.5	21.5	21.5	14	<a href="#">167TA5182</a>
M11/16ORFS-M11/16ORFS-M11/16ORFS	11/16-16	11/16-16	11/16-16	25	25	25	19	<a href="#">167TA4909</a>
M13/16ORFS-M13/16ORFS-M13/16ORFS	13/16-16	13/16-16	13/16-16	28	28	28	19	<a href="#">151TA9630</a>
M1 ORFS-M1 ORFS-M1 ORFS	1-14	1-14	1-14	33.3	33.3	33.3	27	<a href="#">151TA9631</a>
M1 3/16ORFS-M1 3/16ORFS-M1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	37.3	37.3	37.3	30	<a href="#">167TA5298</a>
M1 7/16ORFS-M1 7/16ORFS-M1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	41.7	41.7	41.7	36	<a href="#">151TA9633</a>
M1 11/16ORFS-M1 11/16ORFS-M1 11/16ORFS	1 11/16-12	1 11/16-12	1 11/16-12	44.7	44.7	44.7	41	<a href="#">151TA9634</a>
M2 ORFS-M2 ORFS-M2 ORFS	2-12	2-12	2-12	48.8	48.8	48.8	48	<a href="#">151TA9635</a>



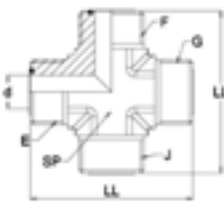
### CROSS ADAPTOR - FEMALE SWIVEL ORFS / FEMALE SWIVEL ORFS / FEMALE SWIVEL ORFS / FEMALE SWIVEL ORFS

Description	E ORFS	F ORFS	G ORFS	J ORFS	d4 mm	H1 mm	H2 mm	H3 mm	H4 mm	SP	REF
FS9/16ORFS-FS9/16ORFS-FS9/16ORFS-FS9/16ORFS	9/16-18	9/16-18	9/16-18	9/16-18	4.5	19	19	19	19	16	<a href="#">151TA9672</a>
FS11/16ORFS-FS11/16ORFS-FS11/16ORFS-FS11/16ORFS	11/16-16	11/16-16	11/16-16	11/16-16	6.5	22	22	22	22	19	<a href="#">151TA9673</a>
FS13/16ORFS-FS13/16ORFS-FS13/16ORFS-FS13/16ORFS	13/16-16	13/16-16	13/16-16	13/16-16	9.5	24	24	24	24	22	<a href="#">151TA9674</a>
FS1 ORFS-FS1 ORFS-FS1 ORFS-FS1 ORFS	1-14	1-14	1-14	1-14	12	30	30	30	30	27	<a href="#">151TA9675</a>
FS1 3/16ORFS-FS1 3/16ORFS-FS1 3/16ORFS-FS1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	1 3/16-12	15.5	36	36	36	36	30	<a href="#">151TA9676</a>
FS1 7/16ORFS-FS1 7/16ORFS-FS1 7/16ORFS-FS1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	1 7/16-12	20.5	41	41	41	41	35	<a href="#">151TA9677</a>




# ADAPTORS TYPE ORFS SAE

## CROSS ADAPTOR - MALE ORFS / MALE ORFS / MALE ORFS / MALE ORFS




Description	E ORFS	F ORFS	G ORFS	J ORFS	LL mm	D mm	SP	REF
M9/16ORFS-M9/16ORFS-M9/16ORFS-M9/16ORFS	9/16-18	9/16-18	9/16-18	9/16-18	43	4.5	14	<a href="#">151TA9678</a>
M11/16ORFS-M11/16ORFS-M11/16ORFS-M11/16ORFS	11/16-16	11/16-16	11/16-16	11/16-16	50	6.5	19	<a href="#">151TA9679</a>
M13/16ORFS-M13/16ORFS-M13/16ORFS-M13/16ORFS	13/16-16	13/16-16	13/16-16	13/16-16	56	9.5	19	<a href="#">151TA9680</a>
M1 ORFS-M1 ORFS-M1 ORFS-M1 ORFS	1-14	1-14	1-14	1-14	66.6	12.5	27	<a href="#">151TA9681</a>
M1 3/16ORFS-M1 3/16ORFS-M1 3/16ORFS-M1 3/16ORFS	1 3/16-12	1 3/16-12	1 3/16-12	1 3/16-12	74.6	15.5	30	<a href="#">151TA9682</a>
M1 7/16ORFS-M1 7/16ORFS-M1 7/16ORFS-M1 7/16ORFS	1 7/16-12	1 7/16-12	1 7/16-12	1 7/16-12	83.4	20.5	36	<a href="#">151TA9683</a>
M1 11/16ORFS-M1 11/16ORFS-M1 11/16ORFS-M1 11/16ORFS	1 11/16-12	1 11/16-12	1 11/16-12	1 11/16-12	89.4	26	41	<a href="#">151TA9684</a>
M2 ORFS-M2 ORFS-M2 ORFS-M2 ORFS	2-12	2-12	2-12	2-12	97.6	32	48	<a href="#">151TA9685</a>

## LOCK NUT - FEMALE ORFS BULKHEAD




Description	E ORFS	L mm	H mm	REF
NUT9/16ORFS BL	9/16-18	6.9	22	<a href="#">155TA3590</a>
NUT11/16ORFS BL	11/16-16	8	27	<a href="#">167TA8427</a>
NUT13/16ORFS BL	13/16-16	9	30	<a href="#">167TA8428</a>
NUT1 ORFS BL	1-14	10.4	36	<a href="#">167TA8429</a>
NUT1 3/16ORFS BL	1 3/16-12	10.4	41	<a href="#">167TA8430</a>
NUT1 7/16ORFS BL	1 7/16-12	10.4	46	<a href="#">167TA8431</a>
NUT1 11/16ORFS BL	1 11/16-12	10.4	50	<a href="#">167TA8432</a>
NUT2 ORFS BL	2-12	10.4	60	<a href="#">167TA8433</a>

## PLUG - FEMALE ORFS



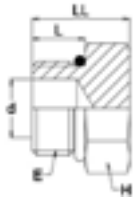
Description	E ORFS	L mm	H mm	REF
BF9/16ORFS	9/16-18	8.5	19	<a href="#">167TA4957</a>
BF11/16ORFS	11/16-16	9.5	22	<a href="#">167TA4897</a>
BF13/16ORFS	13/16-16	12	24	<a href="#">167TA4658</a>
BF1 ORFS	1-14	12	30	<a href="#">167TA5178</a>
BF1 3/16ORFS	1 3/16-12	13.5	36	<a href="#">167TA5021</a>
BF1 7/16ORFS	1 7/16-12	15	41	<a href="#">167TA5159</a>
BF1 11/16ORFS	1 11/16-12	15	50	<a href="#">151TA9692</a>
BF2 ORFS	2-12	15	60	<a href="#">151TA9693</a>

## PLUG - MALE ORFS



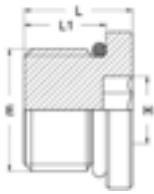
Description	E ORFS	L mm	L1 mm	H mm	REF
BM9/16ORFS	9/16-18	16.7	9.8	17	<a href="#">167TA4776</a>
BM11/16ORFS	11/16-16	19.2	11.2	19	<a href="#">167TA4886</a>
BM13/16ORFS	13/16-16	21.8	12.8	22	<a href="#">167TA5033</a>
BM1 ORFS	1-14	25.9	15.5	27	<a href="#">167TA5198</a>
BM1 3/16ORFS	1 3/16-12	27.4	17	32	<a href="#">167TA4798</a>
BM1 7/16ORFS	1 7/16-12	27.9	17.5	41	<a href="#">167TA4907</a>
BM1 11/16ORFS	1 11/16-12	27.9	17.5	46	<a href="#">167TA4875</a>
BM2 ORFS	2-12	27.9	17.5	55	<a href="#">151TA9701</a>

### PLUG - MALE UNF + O-RING



Description	E SAE	L mm	LL mm	D mm	H mm	REF
BM7/16SAE	7/16-20	9.14	17	5.2	14	<a href="#">151TA9703</a>
BM1/2SAE	1/2-20	9.14	17	5.9	17	<a href="#">167TA4613</a>
BM9/16SAE	9/16-18	9.93	18.5	7.5	17	<a href="#">151TA9705</a>
BM3/4SAE	3/4-16	11.13	20.3	10.7	22	<a href="#">167TA4925</a>
BM7/8SAE	7/8-14	12.7	23.6	12.7	27	<a href="#">151TA9707</a>
BM1 1/16SAE	1 1/16-12	15.09	27.7	16.7	32	<a href="#">151TA9708</a>
BM1 3/16SAE	1 3/16-12	15.09	27.7	18.2	36	<a href="#">151TA9709</a>
BM1 5/16SAE	1 5/16-12	15.09	28.4	22.2	41	<a href="#">124TA4324</a>
BM1 5/8SAE	1 5/8-12	15.09	30.5	27.8	50	<a href="#">151TA9711</a>
BM1 7/8SAE	1 7/8-12	15.09	32.3	34.1	55	<a href="#">151TA9712</a>

### PLUG - MALE UNF COUNTERSUNK HEXAGON + O-RING

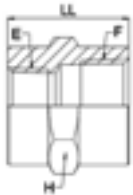


Description	E SAE	L mm	L1 mm	H mm	REF
BM5/16SAE UMB	5/16-24	10.3	7.54	3	<a href="#">167TA8434</a>
BM3/8SAE UMB	3/8-24	10.4	7.54	3	<a href="#">124TA4329</a>
BM7/16SAE UMB	7/16-20	11.5	9.1	5	<a href="#">152TA2687</a>
BM1/2SAE UMB	1/2-20	11.5	9.1	5	<a href="#">163TA8233</a>
BM9/16SAE UMB	9/16-18	12.8	9.9	6	<a href="#">124TA4332</a>
BM3/4SAE UMB	3/4-16	14.3	11.1	8	<a href="#">152TA2686</a>
BM7/8SAE UMB	7/8-14	16	12.7	10	<a href="#">124TA4334</a>
BM1 1/16SAE UMB	1 1/16-12	19	15.1	14	<a href="#">163TA8234</a>
BM1 3/16SAE UMB	1 3/16-12	19.5	15.1	14	<a href="#">167TA8435</a>
BM1 5/16SAE UMB	1 5/16-12	19.5	15.1	16	<a href="#">167TA8436</a>
BM1 5/8SAE UMB	1 5/8-12	19.5	15.1	19	<a href="#">167TA8437</a>
BM1 7/8SAE UMB	1 7/8-12	19.5	15.1	19	<a href="#">167TA8438</a>

# ADAPTORS TYPE NPT

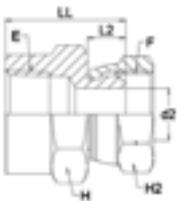
## ADAPTOR - FEMALE NPT FIX / FEMALE NPT FIX

Description	E NPT	F NPT	LL mm	H mm	REF
F1/8NPT-F1/8NPT	1/8-27	1/8-27	19	16	<a href="#">151TA9713</a>
F1/8NPT-F1/4NPT	1/8-27	1/4-18	23.4	19	<a href="#">151TA9714</a>
F1/4NPT-F1/4NPT	1/4-18	1/4-18	28.7	19	<a href="#">111TA6219</a>
F1/4NPT-F3/8NPT	1/4-18	3/8-18	28.4	22	<a href="#">124TA4238</a>
F3/8NPT-F3/8NPT	3/8-18	3/8-18	28.7	22	<a href="#">124TA4239</a>
F3/8NPT-F1/2NPT	3/8-18	1/2-14	32.5	29	<a href="#">124TA4241</a>
F1/2NPT-F1/2NPT	1/2-14	1/2-14	38.1	29	<a href="#">151TA9719</a>
F1/2NPT-F3/4NPT	1/2-14	3/4-14	38.6	36	<a href="#">151TA9720</a>
F3/4NPT-F3/4NPT	3/4-14	3/4-14	38.9	36	<a href="#">124TA4244</a>
F1 NPT-F1 NPT	1-11.5	1-11.5	48	41	<a href="#">151TA9722</a>



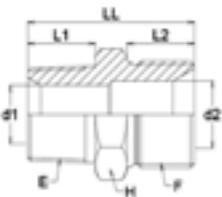
## ADAPTOR - FEMALE FIX NPT / FEMALE SWIVEL NPT

Description	E NPT	F NPT	L2 mm	LL mm	d2 mm	H mm	H2 mm	REF
F1/8NPT-FS1/8NPT	1/8-27	1/8-27	10	23.5	4	16	14	<a href="#">151TA9735</a>
F1/4NPT-FS1/4NPT	1/4-18	1/4-18	12.1	31.5	5.6	19	17	<a href="#">167TA5219</a>
F1/4NPT-FS3/8NPT	1/4-18	3/8-18	12.6	33	8.7	19	22	<a href="#">151TA9737</a>
F3/8NPT-FS3/8NPT	3/8-18	3/8-18	12.6	34	8.7	22	22	<a href="#">151TA9738</a>
F1/2NPT-FS1/2NPT	1/2-14	1/2-14	13	38	11.9	30	27	<a href="#">151TA9739</a>
F3/4NPT-FS3/4NPT	3/4-14	3/4-14	15.5	44	16.3	36	32	<a href="#">151TA9740</a>
F1 NPT-FS1 NPT	1-11.5	1-11.5	15.5	51.5	21.4	41	38	<a href="#">151TA9741</a>
F1 1/4NPT-FS1 1/4NPT	1 1/4-11.5	1 1/4-11.5	18.8	51.5	29	50	50	<a href="#">151TA9742</a>
F1 1/2NPT-FS1 1/2NPT	1 1/2-11.5	1 1/2-11.5	21.5	55	34.5	60	55	<a href="#">151TA9743</a>



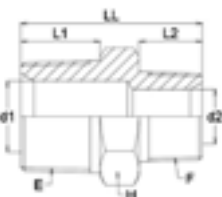
## ADAPTOR - MALE NPT / MALE METRIC 60°

Description	E NPT	F METRIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/4NPT-MM18x1.5	1/4-18	M18x1.5	14.2	11	33	6	10	19	<a href="#">167TA8439</a>
M3/8NPT-MM16x1.5	3/8-18	M16x1.5	14.2	11	33	8	8	19	<a href="#">151TA9960</a>
M3/8NPT-MM18x1.5	3/8-18	M18x1.5	14.2	11	33	9	9	19	<a href="#">167TA8440</a>
M3/8NPT-MM22x1.5	3/8-18	M22x1.5	14.2	14	36	9	14.1	24	<a href="#">167TA8441</a>
M1/2NPT-MM18x1.5	1/2-14	M18x1.5	19	11	38	10	10	22	<a href="#">167TA8442</a>
M1/2NPT-MM26x1.5	1/2-14	M26x1.5	19	12	40	12	15	27	<a href="#">167TA8443</a>



## ADAPTOR - MALE NPT / MALE NPT

Description	E NPT	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8NPT-M1/8NPT	1/8-27	1/8-27	9.7	9.7	26.9	4.5	4.5	11	<a href="#">167TA4903</a>
M1/8NPT-M1/4NPT	1/8-27	1/4-18	14.2	9.7	32	6	4.5	14	<a href="#">124TA4170</a>
M1/8NPT-M3/8NPT	1/8-27	3/8-18	14.2	14.2	34	6	6	14	<a href="#">124TA4171</a>
M1/4NPT-M1/4NPT	1/4-18	1/4-18	14.2	14.2	36.8	6	6	14	<a href="#">167TA4915</a>
M1/4NPT-M3/8NPT	1/4-18	3/8-18	14.2	14.2	36.8	9	6	19	<a href="#">151TA9755</a>
M1/4NPT-M1/2NPT	1/4-18	1/2-14	19	14.2	43.2	12	6	22	<a href="#">124TA4174</a>
M1/4NPT-M3/4NPT	1/4-18	3/4-14	19	14.2	45	16.5	6	27	<a href="#">151TA9757</a>
M3/8NPT-M3/8NPT	3/8-18	3/8-18	14.2	14.2	36.8	9	9	19	<a href="#">124TA4173</a>
M3/8NPT-M1/2NPT	3/8-18	1/2-14	19	14.2	43.2	12	9	22	<a href="#">125TA4602</a>
M3/8NPT-M3/4NPT	3/8-18	3/4-14	19	14.2	45	16.5	9	27	<a href="#">167TA5222</a>
M1/2NPT-M1/2NPT	1/2-14	1/2-14	19	19	48	12	12	22	<a href="#">124TA4175</a>

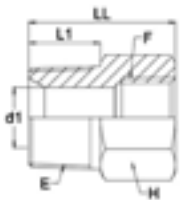


## ADAPTOR - MALE NPT / MALE NPT

Description	E NPT	F NPT	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/2NPT-M3/4NPT	1/2-14	3/4-14	19	19	49.8	16.5	12	27	<a href="#">124TA4176</a>
M1/2NPT-M1 NPT	1/2-14	1-11.5	23.9	19	54.5	21.5	12	36	<a href="#">151TA9763</a>
M3/4NPT-M3/4NPT	3/4-14	3/4-14	19	19	49.8	16.5	16.5	27	<a href="#">124TA4177</a>
M3/4NPT-M1 NPT	3/4-14	1-11.5	23.9	19	54.6	21.5	16.5	36	<a href="#">167TA4730</a>
M1 NPT-M1 NPT	1-11.5	1-11.5	23.9	23.9	59.4	21.5	21.5	36	<a href="#">167TA5226</a>
M1 1/4NPT-M1 1/4NPT	1 1/4-11.5	1 1/4-11.5	24.6	24.6	63	28.5	28.5	46	<a href="#">167TA5212</a>
M1 1/2NPT-M1 1/2NPT	1 1/2-11.5	1 1/2-11.5	25.4	25.4	66.3	35	35	50	<a href="#">167TA5112</a>

## ADAPTOR - MALE NPT / FEMALE NPT

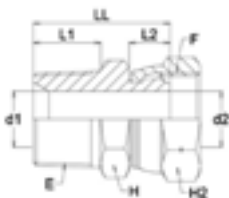
Description	E NPT	F NPT	L1 mm	LL mm	d1 mm	H mm	REF
M1/8NPT -F1/8NPT	1/8-27	1/8-27	9.7	26.4	4.5	16	<a href="#">151TA9776</a>
M1/8NPT-F1/4NPT	1/8-27	1/4-18	9.7	30.7	4.5	19	<a href="#">151TA9777</a>
M1/4NPT-F1/8NPT	1/4-18	1/8-27	14.2	21.6	6	14	<a href="#">151TA9778</a>
M1/4NPT-F1/4NPT	1/4-18	1/4-18	14.2	35.3	6	19	<a href="#">167TA5102</a>
M1/4NPT-F3/8NPT	1/4-18	3/8-18	14.2	36.6	6	22	<a href="#">151TA9780</a>
M1/4NPT-F1/2NPT	1/4-18	1/2-14	14.2	42.7	6	30	<a href="#">151TA9781</a>
M1/4NPT-F3/4NPT	1/4-18	3/4-14	14.2	47.5	6	36	<a href="#">151TA9782</a>
M3/8NPT-F1/8NPT	3/8-18	1/8-27	14.2	21.6	8.3	19	<a href="#">151TA9783</a>
M3/8NPT-F1/4NPT	3/8-18	1/4-18	14.2	21.6	9	19	<a href="#">151TA9784</a>
M3/8NPT-F3/8NPT	3/8-18	3/8-18	14.2	42.7	9	22	<a href="#">151TA9785</a>
M3/8NPT-F1/2NPT	3/8-18	1/2-14	14.2	42.7	9	30	<a href="#">151TA9786</a>
M3/8NPT-F3/4NPT	3/8-18	3/4-14	14.2	47.5	9	36	<a href="#">151TA9787</a>
M1/2NPT-F1/8NPT	1/2-14	1/8-27	19	27.9	8.3	22	<a href="#">151TA9788</a>
M1/2NPT-F1/4NPT	1/2-14	1/4-18	19	27.9	8.3	22	<a href="#">167TA4685</a>
M1/2NPT-F3/8NPT	1/2-14	3/8-18	19	27.9	12	22	<a href="#">151TA9790</a>
M1/2NPT-F1/2NPT	1/2-14	1/2-14	19	47.5	12	29	<a href="#">151TA9791</a>
M1/2NPT-F3/4NPT	1/2-14	3/4-14	19	49	12	36	<a href="#">151TA9792</a>
M1/2NPT-F1 NPT	1/2-14	1-11.5	19	55.4	12	41	<a href="#">151TA9793</a>
M3/4NPT-F1/4NPT	3/4-14	1/4-18	19	27.9	16.5	27	<a href="#">151TA9794</a>
M3/4NPT-F3/8NPT	3/4-14	3/8-18	19	29.7	14.1	27	<a href="#">151TA9795</a>
M3/4NPT-F1/2NPT	3/4-14	1/2-14	19	29.7	17.4	27	<a href="#">151TA9796</a>
M3/4NPT-F3/4NPT	3/4-14	3/4-14	19	49	16.5	36	<a href="#">151TA9797</a>
M3/4NPT-F1 NPT	3/4-18	1-11.5	19	55.4	17.4	36	<a href="#">124TA4209</a>
M1 NPT-F3/8NPT	1-11.5	3/8-18	23.9	34.5	21.5	36	<a href="#">151TA9799</a>
M1 NPT-F1/2NPT	1-11.5	1/2-14	23.9	34.5	17.4	36	<a href="#">151TA9800</a>
M1 NPT-F3/4NPT	1-11.5	3/4-14	23.9	34.5	22.7	36	<a href="#">151TA9801</a>
M1 NPT-F1 NPT	1-11.5	1-11.5	23.9	42.7	22.7	50	<a href="#">151TA9802</a>
M1 NPT-F1 1/4NPT	1-11.5	1 1/4-11.5	23.9	62.5	21.5	50	<a href="#">151TA9803</a>
M1 1/4NPT-F1 NPT	1 1/4-11.5	1-11.5	24.6	37.3	28.5	46	<a href="#">151TA9804</a>
M1 1/2NPT-F1 NPT	1 1/2-11.5	1-11.5	25.4	39.9	28.6	50	<a href="#">151TA9805</a>
M1 1/2NPT-F1 1/4NPT	1 1/2-11.5	1 1/4-11.5	25.4	39.9	37.3	50	<a href="#">151TA9806</a>



# ADAPTORS TYPE NPT

## ADAPTOR - MALE NPT / FEMALE SWIVEL NPT

Description	E	F	L1	L2	LL	d1	d2	H	H2	REF
	NPT	NPT	mm	mm	mm	mm	mm	mm	mm	
M1/8NPT-FS1/8NPT	1/8-27	1/8-27	10	9.7	24	4	4	11	14	<a href="#">167TA4991</a>
M1/8NPT-FS1/4NPT	1/8-27	1/4-18	9.7	12.1	26.5	4.5	5.6	14	17	<a href="#">167TA5134</a>
M1/4NPT-FS1/4NPT	1/4-18	1/4-18	14.2	12.1	33.5	5.6	5.6	14	17	<a href="#">167TA4707</a>
M1/4NPT-FS3/8NPT	1/4-18	3/8-18	14.2	12.6	33	6	8.7	17	22	<a href="#">151TA9824</a>
M3/8NPT-FS1/4NPT	3/8-18	1/4-14	14.2	12.1	33.5	9	5.6	19	22	<a href="#">167TA5035</a>
M3/8NPT-FS3/8NPT	3/8-18	3/8-14	14.2	12.6	33.5	8.7	8.7	19	22	<a href="#">167TA4821</a>
M3/8NPT-FS1/2NPT	3/8-18	1/2-14	14.2	13	35	9	11.9	19	27	<a href="#">167TA4784</a>
M1/2NPT-FS3/8NPT	1/2-14	3/8-18	19	12.6	40.5	12	8.7	22	22	<a href="#">167TA4728</a>
M1/2NPT-FS1/2NPT	1/2-14	1/2-14	19	13	41	11.9	11.9	22	27	<a href="#">167TA4806</a>
M1/2NPT-FS3/4NPT	1/2-14	3/4-14	19	15.5	44.5	12	16.3	24	32	<a href="#">151TA9832</a>
M3/4NPT-FS1/2NPT	3/4-14	1/2-14	19	13	42	16.5	11.9	27	27	<a href="#">167TA5251</a>
M3/4NPT-FS3/4NPT	3/4-14	3/4-14	19	15.5	44.5	16.3	16.3	27	32	<a href="#">167TA5039</a>
M3/4NPT-FS1 NPT	3/4-14	1-11.5	19	15.5	45.5	16.3	21.4	30	38	<a href="#">167TA4771</a>
M1 NPT-FS3/4NPT	1-11.5	3/4-14	23.9	15.5	51.5	21.5	16.3	36	32	<a href="#">167TA5050</a>
M1 NPT-FS1 NPT	1-11.5	1-11.5	23.9	15.5	51	21.4	21.4	36	38	<a href="#">167TA5070</a>
M1 1/4NPT-FS1 1/4NPT	1 1/4-11.5	1 1/4-11.5	24.6	18.8	56	29	29	46	50	<a href="#">167TA4744</a>
M1 1/2NPT-FS1 1/2NPT	1 1/2-11.5	1 1/2-11.5	25.4	21.5	59.5	34.5	34.5	50	55	<a href="#">167TA5275</a>
M2 NPT-FS2 NPT	2-11.5	2-11.5	26.2	22.5	64.5	46.1	46.1	65	70	<a href="#">167TA5220</a>



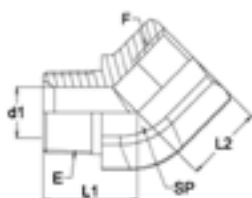
## 45° ADAPTOR - FEMALE NPT FIX / FEMALE NPT FIX

Description	A	B	REF
	NPT	NPT	
F1/4NPT-F1/4NPT 45°	1/4-18	1/4-18	<a href="#">151TA9723</a>
F3/8NPT-F3/8NPT 45°	3/8-18	3/8-18	<a href="#">151TA9724</a>
F1/2NPT-F1/2NPT 45°	1/2-14	1/2-14	<a href="#">124TA4254</a>
F3/4NPT-F3/4NPT 45°	3/4-14	3/4-14	<a href="#">151TA9726</a>
F1 NPT- F1 NPT 45°	1-11.5	1-11.5	<a href="#">151TA9727</a>

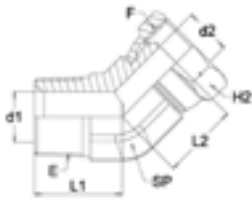


## 45° ADAPTOR - MALE NPT / FEMALE NPT

Description	E	F	L1	L2	d1	SP	REF
	NPT	NPT	mm	mm	mm		
M1/8NPT-F1/8NPT 45°	1/8-27	1/8-27	19.8	11.9	4.5	14	<a href="#">124TA4218</a>
M1/4NPT-F1/4NPT 45°	1/4-18	1/4-18	26.7	15.7	6	19	<a href="#">124TA4219</a>
M3/8NPT-F3/8NPT 45°	3/8-18	3/8-18	26.9	18.3	9	22	<a href="#">124TA4220</a>
M1/2NPT-F1/2NPT 45°	1/2-14	1/2-14	34	23.1	12	27	<a href="#">124TA4221</a>
M3/4NPT-F3/4NPT 45°	3/4-14	3/4-14	35.1	24.6	16.5	33	<a href="#">124TA4222</a>
M1 NPT-F1 NPT 45°	1-11.5	1-11.5	43.7	28.4	21.5	41	<a href="#">167TA4792</a>

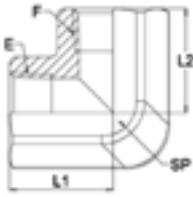


### 45° ADAPTOR - MALE NPT / FEMALE SWIVEL NPT



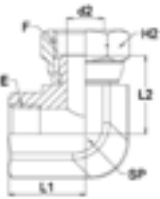
Description	E NPT	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M1/2NPT-FS1/2NPT 45°	1/8-27	1/8-27	16.3	15.7	4.5	4	14	11	<a href="#">151TA9841</a>
M1/4NPT-FS1/4NPT 45°	1/4-18	1/4-18	21.8	18.5	6	5.6	17	14	<a href="#">151TA9842</a>
M3/8NPT-FS3/8NPT 45°	3/8-18	3/8-18	24.1	20.6	9	8.7	22	19	<a href="#">151TA9843</a>
M1/2NPT-FS3/8NPT 45°	1/2-14	3/8-18	29.7	22	12	8.7	22	22	<a href="#">151TA9844</a>
M1/2NPT-FS1/2NPT 45°	1/2-14	1/2-14	29.7	22.4	12	11.9	27	22	<a href="#">151TA9845</a>
M3/4NPT-FS1/2NPT 45°	3/4-14	1/2-14	30.5	23.3	16.5	11.9	27	27	<a href="#">151TA9846</a>
M3/4NPT-FS3/4NPT 45°	3/4-14	3/4-14	30.5	25.8	16.5	16.3	32	27	<a href="#">151TA9847</a>
M1 NPT-FS3/4NPT 45°	1-11.5	3/4-14	37.6	29.2	21.5	16.3	32	33	<a href="#">151TA9848</a>
M1 NPT-FS1 NPT 45°	1-11.5	1-11.5	37.6	29.2	21.5	21.4	38	33	<a href="#">151TA9849</a>
M1 1/4NPT-FS1 1/4NPT 45°	1 1/4-11.5	1 1/4-11.5	42.4	33.5	28.5	29	50	41	<a href="#">151TA9850</a>
M1 1/2NPT-FS1 1/2NPT 45°	1 1/2-11.5	1 1/2-11.5	45	35.8	35	34.5	55	48	<a href="#">151TA9851</a>

### 90° ADAPTOR - FEMALE NPT FIX / FEMALE NPT FIX



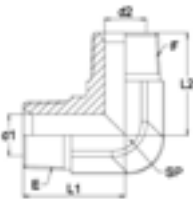
Description	E NPT	F NPT	L1 mm	L2 mm	SP	REF
F1/8NPT-F1/8NPT 90°	1/8-27	1/8-27	16.8	16.8	14	<a href="#">124TA4246</a>
F1/4NPT-F1/4NPT 90°	1/4-18	1/4-18	22.4	22.4	19	<a href="#">167TA4630</a>
F3/8NPT-F3/8NPT 90°	3/8-18	3/8-18	25.9	25.9	22	<a href="#">124TA4248</a>
F1/2NPT-F1/2NPT 90°	1/2-14	1/2-14	31.2	31.2	27	<a href="#">124TA4249</a>
F3/4NPT-F3/4NPT 90°	3/4-14	3/4-14	34.5	34.5	33	<a href="#">124TA4250</a>
F1 NPT- F1 NPT 90°	1-11.5	1-11.5	41.1	41.1	41	<a href="#">167TA5204</a>
F1 1/4NPT-F1 1/4NPT 90°	1 1/4-11.5	1 1/4-11.5	43.2	43.2	48	<a href="#">167TA4652</a>

### 90° ADAPTOR - FEMALE NPT FIX / FEMALE SWIVEL NPT



Description	E NPT	F NPT	L1 mm	L2 mm	d2 mm	H2 mm	SP	REF
F1/8NPT-FS1/8NPT 90°	1/8-27	1/8-27	16.8	20.3	4	14	14	<a href="#">151TA9744</a>
F1/4NPT-FS1/4NPT 90°	1/4-18	1/4-18	22.4	25.1	5.6	17	19	<a href="#">151TA9745</a>
F3/8NPT-FS3/8NPT 90°	3/8-18	3/8-18	25.9	26.9	8.7	22	22	<a href="#">151TA9746</a>
F1/2NPT-FS1/2NPT 90°	1/2-14	1/2-14	31.2	31.5	11.9	27	27	<a href="#">151TA9747</a>
F3/4NPT-FS3/4NPT 90°	3/4-14	3/4-14	34.5	37.3	16.3	32	33	<a href="#">151TA9748</a>
F1 NPT-FS1 NPT 90°	1-11.5	1-11.5	41.1	43.9	21.4	38	41	<a href="#">151TA9749</a>
F1 1/4NPT-FS1 1/4NPT 90°	1 1/4-11.5	1 1/4-11.5	43.2	47.1	29	50	48	<a href="#">151TA9750</a>

### 90° ADAPTOR - MALE NPT / MALE NPT

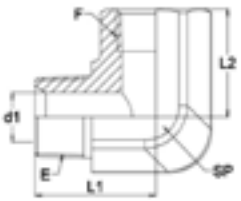


Description	E NPT	F NPT	L1 mm	L2 mm	d1 mm	d2 mm	SP	REF
M1/8NPT-M1/8NPT 90°	1/8-27	1/8-27	19.8	19.8	4.5	4.5	11	<a href="#">124TA4180</a>
M1/4NPT-M1/8NPT 90°	1/4-18	1/8-27	27.7	19.8	6	4.5	12	<a href="#">151TA9770</a>
M1/4NPT-M1/4NPT 90°	1/4-18	1/4-18	27.7	27.7	6	6	14	<a href="#">124TA4181</a>
M3/8NPT-M3/8NPT 90°	3/8-18	3/8-18	31	31	9	9	19	<a href="#">124TA4182</a>
M1/2NPT-M1/2NPT 90°	1/2-14	1/2-14	37.3	37.3	12	12	22	<a href="#">124TA4183</a>
M3/4NPT-M3/4NPT 90°	3/4-14	3/4-14	40.4	40.4	16.5	16.5	27	<a href="#">167TA5000</a>
M1 NPT-M1 NPT 90°	1-11.5	1-11.5	50	50	21.5	21.5	33	<a href="#">167TA5192</a>

# ADAPTORS TYPE NPT

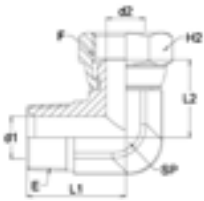
## 90° ADAPTOR - MALE NPT / FEMALE NPT

Description	E	F	L1	L2	d1	SP	REF
	NPT	NPT	mm	mm	mm		
M1/8NPT-F1/8NPT 90°	1/8-27	1/8-27	19.8	16.8	4.5	14	<a href="#">167TA4923</a>
M1/4NPT-F1/4NPT 90°	1/4-18	1/4-18	27.7	22.4	6	19	<a href="#">124TA4212</a>
M3/8NPT-F3/8NPT 90°	3/8-18	3/8-18	31	25.9	9	22	<a href="#">107TA7888</a>
M1/2NPT-F1/2NPT 90°	1/2-14	1/2-14	37.3	31.2	12	27	<a href="#">167TA5012</a>
M3/4NPT-F1/2NPT 90°	3/4-14	1/2-14	40.4	31.2	14	30	<a href="#">151TA9817</a>
M3/4NPT-F3/4NPT 90°	3/4-14	3/4-14	40.4	34.5	16.5	33	<a href="#">124TA4215</a>
M1 NPT-F1 NPT 90°	1-11.5	1-11.5	50	41.1	21.5	41	<a href="#">167TA8444</a>
M1 1/4NPT-F1 1/4NPT 90°	1 1/4-11.5	1 1/4-11.5	60.5	43.2	28.5	48	<a href="#">167TA4918</a>



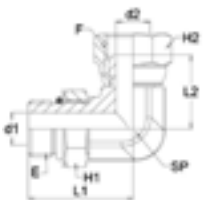
## 90° ADAPTOR - MALE NPT / FEMALE SWIVEL NPT

Description	E	F	L1	L2	d1	d2	H2	SP	REF
	NPT	NPT	mm	mm	mm	mm	mm		
M1/8NPT-FS1/8NPT 90°	1/8-27	1/8-27	19.8	17.8	4.5	4	14	11	<a href="#">167TA5242</a>
M1/8NPT-FS1/4NPT 90°	1/8-27	1/4-18	23.2	22.4	4.5	5.6	17	14	<a href="#">151TA9853</a>
M1/4NPT-FS1/4NPT 90°	1/4-18	1/4-18	27.7	22.4	6	5.6	17	14	<a href="#">167TA5066</a>
M1/4NPT-FS3/8NPT 90°	1/4-18	3/8-18	31	25.1	6	8.7	22	19	<a href="#">167TA5156</a>
M3/8NPT-FS1/4NPT 90°	3/8-18	1/4-18	31	24.6	9	5.6	17	19	<a href="#">167TA4970</a>
M3/8NPT-FS3/8NPT 90°	3/8-18	3/8-18	31	25.1	9	8.7	22	19	<a href="#">167TA4946</a>
M3/8NPT-FS1/2NPT 90°	3/8-18	1/2-14	32.5	27.4	9	11.9	27	22	<a href="#">167TA5273</a>
M1/2NPT-FS3/8NPT 90°	1/2-14	3/8-18	37.3	27	12	8.7	22	22	<a href="#">167TA8445</a>
M1/2NPT-FS1/2NPT 90°	1/2-14	1/2-14	37.3	27.4	12	11.9	27	22	<a href="#">167TA5209</a>
M1/2NPT-FS3/4NPT 90°	1/2-14	3/4-14	40.4	33	12	16.3	32	27	<a href="#">167TA5211</a>
M3/4NPT-FS3/8NPT 90°	3/4-14	3/8-18	40.4	27.4	16.5	8.7	27	27	<a href="#">151TA9862</a>
M3/4NPT-FS1/2NPT 90°	3/4-14	1/2-14	40.4	30.5	16.5	11.9	27	27	<a href="#">167TA4998</a>
M3/4NPT-FS3/4NPT 90°	3/4-14	3/4-14	40.4	33	16.5	16.3	32	27	<a href="#">167TA4793</a>
M3/4NPT-FS1 NPT 90°	3/4-14	1-11.5	45.1	37.2	16.5	21.4	38	33	<a href="#">167TA5163</a>
M1 NPT-FS3/4NPT 90°	1-11.5	3/4-14	50	37.2	21.5	16.3	32	33	<a href="#">167TA8446</a>
M1 NPT-FS1 NPT 90°	1-11.5	1-11.5	50	37.2	21.5	21.4	38	33	<a href="#">167TA5286</a>
M1 1/4NPT-FS1 1/4NPT 90°	1 1/4-11.5	1 1/4-11.5	60.5	44.7	28.5	29	50	41	<a href="#">167TA4975</a>
M2 NPT-FS2 NPT 90°	1 1/2-11.5	1 1/2-11.5	67.1	51.3	35	34.5	55	48	<a href="#">167TA5099</a>

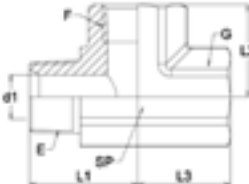


## 90° ADAPTOR - ADJUSTABLE MALE SAE / FEMALE SWIVEL NPT

Description	E	F	L1	L2	d1	d2	H1	H2	SP	REF
	SAE	NPT	mm	mm	mm	mm	mm	mm		
M7/16UNF OR-FS1/4NPT 90°	7/16-20	1/4-18	27.2	24.5	4.4	5.6	17	19	17.5	<a href="#">151TA9615</a>
M9/16UNF OR-FS1/4NPT 90°	9/16-18	1/4-18	31	22.4	7.5	5.6	19	17	14	<a href="#">151TA9616</a>
M9/16UNF OR-FS3/8NPT 90°	9/16-18	3/8-18	33	28.2	7.5	9	19	22	19	<a href="#">151TA9617</a>
M3/4UNF OR-FS3/8NPT 90°	3/4-16	3/8-18	36.5	29.2	9.5	11.5	22	24	22	<a href="#">151TA9618</a>
M3/4UNF OR-FS1/2NPT 90°	3/4-16	1/2-14	37.5	31.8	12.3	12.3	24	27	25.4	<a href="#">151TA9619</a>
M3/4UNF OR-FS3/4NPT 90°	3/4-16	3/4-14	41.2	39.5	10	15.5	22	32	32	<a href="#">151TA9620</a>
M7/8UNF OR-FS3/8NPT 90°	7/8-14	3/8-18	42	30.5	12.3	7.9	27	22	25.4	<a href="#">151TA9621</a>
M7/8UNF OR-FS1/2NPT 90°	7/8-14	1/2-14	44	35.5	12	11.2	27	27	22	<a href="#">151TA9622</a>
M7/8UNF OR-FS3/4NPT 90°	7/8-14	3/4-14	46.7	35.3	12.3	15.5	27	32	27	<a href="#">151TA9623</a>
M1 1/16UNF OR-FS1/2NPT 90°	1 1/16-12	1/2-14	50	30.5	15.5	11.9	32	27	27	<a href="#">151TA9624</a>
M1 1/16UNF OR-FS3/4NPT 90°	1 1/16-12	3/4-14	51	39.5	16.5	15.5	32	32	27	<a href="#">151TA9625</a>
M1 5/16UNF OR-FS1 NPT 90°	1 5/16-12	1-11.5	54.5	47.5	21.5	20.4	41	41	33	<a href="#">151TA9626</a>

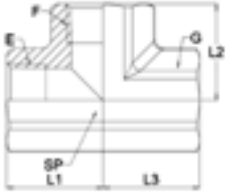


### L ADAPTOR - MALE NPT / FEMALE NPT / FEMALE NPT



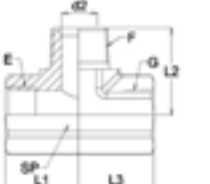
Description	E NPT	F NPT	G NPT	L1 mm	L2 mm	L3 mm	d1 mm	SP	REF
M1/8NPT-F1/8NPT-F1/8NPT	1/8-27	1/8-27	1/8-27	19.8	16.8	16.8	4.5	14	<a href="#">167TA5130</a>
M1/4NPT-F1/4NPT-F1/4NPT	1/4-19	1/4-19	1/4-19	29	23.3	23.3	6	19	<a href="#">124TA4225</a>
M3/8NPT-F3/8NPT-F3/8NPT	3/8-19	3/8-19	3/8-19	31	25.9	25.9	9	22	<a href="#">167TA5274</a>
M1/2NPT-F1/2NPT-F1/2NPT	1/2-14	1/2-14	1/2-14	37.3	31.2	31.2	12	27	<a href="#">167TA4906</a>
M3/4NPT-F3/4NPT-F3/4NPT	3/4-14	3/4-14	3/4-14	40.4	34.5	34.5	16.5	33	<a href="#">167TA4911</a>
M1 NPT-F1 NPT-F1 NPT	1-11.5	1-11.5	1-11.5	50	41.1	41.1	21.5	41	<a href="#">167TA4844</a>

### T ADAPTOR - FEMALE NPT / FEMALE NPT / FEMALE NPT



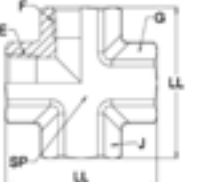
Description	E NPT	F NPT	G NPT	L1 mm	L2 mm	L3 mm	SP	REF
F1/8NPT-F1/8NPT-F1/8NPT	1/8-27	1/8-27	1/8-27	16.8	16.8	16.8	14	<a href="#">124TA4257</a>
F1/4NPT-F1/4NPT-F1/4NPT	1/4-19	1/4-19	1/4-19	22.4	22.4	22.4	19	<a href="#">124TA4258</a>
F3/8NPT-F3/8NPT-F3/8NPT	3/8-19	3/8-19	3/8-19	25.9	25.9	25.9	22	<a href="#">124TA4259</a>
F1/2NPT-F1/2NPT-F1/2NPT	1/2-14	1/2-14	1/2-14	31.2	31.2	31.2	27	<a href="#">124TA4260</a>
F3/4NPT-F3/4NPT-F3/4NPT	3/4-14	3/4-14	3/4-14	34.5	34.5	34.5	33	<a href="#">167TA5139</a>
F1 NPT-F1 NPT-F1 NPT	1-11.5	1-11.5	1-11.5	41.1	41.1	41.1	41	<a href="#">167TA4919</a>
F1 1/4NPT-F1 1/4NPT-F1 1/4NPT	1 1/4-11.5	1 1/4-11.5	1 1/4-11.5	43.2	43.2	43.2	48	<a href="#">167TA4871</a>

### T ADAPTOR - FEMALE NPT / MALE NPT / FEMALE NPT



Description	E NPT	F NPT	G NPT	L1 mm	L2 mm	L3 mm	d2 mm	SP	REF
F1/8NPT-M1/8NPT-F1/8NPT	1/8-27	1/8-27	1/8-27	16.8	19.8	16.8	4.5	14	<a href="#">124TA4230</a>
F1/4NPT-M1/4NPT-F1/4NPT	1/4-19	1/4-19	1/4-19	22.4	27.7	22.4	6	19	<a href="#">167TA5287</a>
F3/8NPT-M3/8NPT-F3/8NPT	3/8-19	3/8-19	3/8-19	25.9	31	25.9	9	22	<a href="#">167TA8447</a>
F1/2NPT-M1/2NPT-F1/2NPT	1/2-14	1/2-14	1/2-14	31.2	37.3	31.2	12	27	<a href="#">124TA4233</a>
F3/4NPT-M3/4NPT-F3/4NPT	3/4-14	3/4-14	3/4-14	34.5	40.4	34.5	16.5	33	<a href="#">124TA4234</a>
F1 NPT-M1 NPT-F1 NPT	1-11.5	1-11.5	1-11.5	41.1	50	41.1	21.5	41	<a href="#">167TA4856</a>

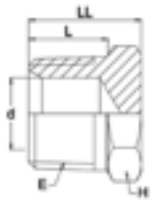
### CROSS ADAPTOR - FEMALE NPT / FEMALE NPT / FEMALE NPT / FEMALE NPT



Description	E NPT	F NPT	G NPT	J NPT	LL mm	SP	REF
F1/8NPT-F1/8NPT-F1/8NPT-F1/8NPT	1/8-27	1/8-27	1/8-27	1/8-27	33.6	14	<a href="#">167TA4662</a>
F1/4NPT-F1/4NPT-F1/4NPT-F1/4NPT	1/4-18	1/4-18	1/4-18	1/4-18	44.8	19	<a href="#">124TA4265</a>
F3/8NPT-F3/8NPT-F3/8NPT-F3/8NPT	3/8-18	3/8-18	3/8-18	3/8-18	51.8	22	<a href="#">167TA5057</a>
F1/2NPT-F1/2NPT-F1/2NPT-F1/2NPT	1/2-14	1/2-14	1/2-14	1/2-14	62.4	27	<a href="#">124TA4267</a>
F3/4NPT-F3/4NPT-F3/4NPT-F3/4NPT	3/4-14	3/4-14	3/4-14	3/4-14	69	33	<a href="#">124TA4268</a>
F1 NPT-F1 NPT-F1 NPT-F1 NPT	1-11.5	1-11.5	1-11.5	1-11.5	82.2	41	<a href="#">151TA9894</a>

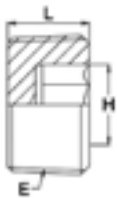
# ADAPTORS TYPE NPT

## PLUG - MALE NPT



Description	E NPT	L mm	LL mm	D mm	H mm	REF
BM1/8NPT HEX	1/8-27	9.7	14.2	4.5	11	<a href="#">145TA8757</a>
BM1/4NPT HEX	1/4-18	14.2	19	6	14	<a href="#">124TA4270</a>
BM3/8NPT HEX	3/8-18	14.2	19.8	9	19	<a href="#">124TA4271</a>
BM1/2NPT HEX	1/2-14	19	24.6	12	22	<a href="#">124TA4272</a>
BM3/4NPT HEX	3/4-14	19	26.9	16.5	27	<a href="#">167TA5262</a>
BM1NPT HEX	1-11.5	23.9	31.7	21.5	36	<a href="#">167TA5246</a>
BM1 1/4NPT HEX	1 1/4-11.5	24.6	36.6	28.5	46	<a href="#">167TA5064</a>

## PLUG - MALE NPT COUNTERSUNK HEXAGON

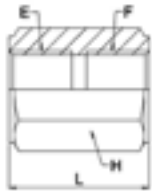


Description	E NPT	L mm	H mm	REF
BM1/8NPT UMB	1/8-27	8	5	<a href="#">124TA4276</a>
BM1/4NPT UMB	1/4-18	12	6	<a href="#">124TA4277</a>
BM3/8NPT UMB	3/8-18	12	8	<a href="#">124TA4278</a>
BM1/2NPT UMB	1/2-14	16	10	<a href="#">124TA4279</a>
BM3/4NPT UMB	3/4-14	16.5	12	<a href="#">160TA3668</a>
BM1NPT UMB	1-11.5	20	17	<a href="#">152TA8960</a>



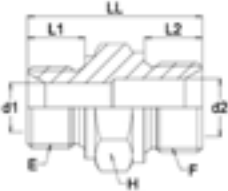
# ADAPTORS TYPE METRIC

## ADAPTOR - FEMALE METRIC FIX / FEMALE METRIC FIX



Description	E METRIC	F METRIC	L mm	H mm	REF
FM12x1.5-FM12x1.5	M12x1.5	M12x1.5	29	17	<a href="#">151TA9895</a>
FM14x1.5-FM14x1.5	M14x1.5	M14x1.5	30	19	<a href="#">151TA9896</a>
FM16x1.5-FM16x1.5	M16x1.5	M16x1.5	29	22	<a href="#">151TA9897</a>
FM18x1.5-FM18x1.5	M18x1.5	M18x1.5	29	24	<a href="#">151TA9898</a>
FM20x1.5-FM20x1.5	M20x1.5	M20x1.5	30	27	<a href="#">151TA9899</a>
FM22x1.5-FM22x1.5	M22x1.5	M22x1.5	30.5	27	<a href="#">151TA9900</a>

## ADAPTOR - MALE METRIC 60° / MALE METRIC 60°



Description	E METRIC	F METRIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
MM10x1-MM10x1	M10x1.0	M10x1.0	8	8	24	3	3	14	<a href="#">151TA9901</a>
MM10x1.5-MM10x1.5	M10x1.5	M10x1.5	8	8	24.5	3	3	14	<a href="#">151TA9902</a>
MM10x1-MM12x1	M10x1.0	M12x1.0	8	8	25.5	3	3	17	<a href="#">151TA9903</a>
MM10x1-MM12x1.5	M10x1.0	M12x1.5	8	10	26	3	4	17	<a href="#">151TA9904</a>
MM10x1-MM18x1.5	M10x1.5	M18x1.5	8	10	27.5	3	4	17	<a href="#">151TA9905</a>
MM12x1.5-MM12x1.5	M12x1.5	M12x1.5	10	10	28	4	4	17	<a href="#">151TA9906</a>
MM12x1.5-MM14x1.5	M12x1.5	M14x1.5	10	11	29	4	6	19	<a href="#">151TA9907</a>
MM14x1.5-MM14x1.5	M14x1.5	M14x1.5	11	11	30	6	6	19	<a href="#">151TA9908</a>
MM14x1.5-MM16x1.5	M14x1.5	M16x1.5	12	12	36	6	8	22	<a href="#">151TA9909</a>
MM14x1.5-MM18x1.5	M14x1.5	M18x1.5	12	12	36.5	6	10	24	<a href="#">151TA9910</a>
MM16x1.5-MM16x1.5	M16x1.5	M16x1.5	12	12	32	8	8	22	<a href="#">167TA4601</a>
MM16x1.5-MM18x1.5	M16x1.5	M18x1.5	12	12	34	8	10	24	<a href="#">151TA9912</a>
MM16x1.5-MM20x1.5	M16x1.5	M20x1.5	12	14	39.5	8	12	27	<a href="#">167TA4924</a>
MM16x1.5-MM22x1.5	M16x1.5	M22x1.5	12	14	40	8	14.1	27	<a href="#">151TA9914</a>
MM18x1.5-MM18x1.5	M18x1.5	M18x1.5	12	12	34	10	10	24	<a href="#">151TA9915</a>
MM18x1.5-MM20x1.5	M18x1.5	M20x1.5	12	14	40	10	12	27	<a href="#">151TA9916</a>
MM18x1.5-MM22x1.5	M18x1.5	M22x1.5	12	14	38	10	14	27	<a href="#">167TA8448</a>
MM20x1.5-MM20x1.5	M20x1.5	M20x1.5	14	14	42	12	12	27	<a href="#">151TA9918</a>
MM20x1.5-MM22x1.5	M20x1.5	M22x1.5	14	14	38	12	14	27	<a href="#">151TA9919</a>
MM22x1.5-MM22x1.5	M22x1.5	M22x1.5	14	14	38	14.1	14.1	27	<a href="#">151TA9920</a>
MM22x1.5-MM26x1.5	M22x1.5	M26x1.5	14	16	45	14.1	15	32	<a href="#">151TA9921</a>
MM26x1.5-MM26x1.5	M26x1.5	M26x1.5	16	16	45	15	15	32	<a href="#">151TA9922</a>
MM26x1.5-MM30x1.5	M26x1.5	M30x1.5	16	16	48	15	19	36	<a href="#">151TA9923</a>
MM30x1.5-MM30x1.5	M30x1.5	M30x1.5	18	18	49	19	19	36	<a href="#">151TA9924</a>

## ADAPTOR - MALE METRIC 60° / FEMALE SWIVEL METRIC 60°



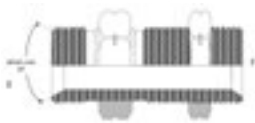
Description	E METRIC	F METRIC	REF
MM12x1.5-FSM12x1.5	M12x1.5	M12x1.5	<a href="#">167TA8449</a>
MM14x1.5-FSM14x1.5	M14x1.5	M14x1.5	<a href="#">167TA8450</a>
MM16x1.5-FSM16x1.5	M16x1.5	M16x1.5	<a href="#">167TA8451</a>
MM16x1.5-FSM18x1.5	M16x1.5	M18x1.5	<a href="#">167TA8452</a>
MM18x1.5-FSM16x1.5	M18x1.5	M16x1.5	<a href="#">167TA8453</a>
MM18x1.5-FSM18x1.5	M18x1.5	M18x1.5	<a href="#">167TA8454</a>
MM18x1.5-FSM20x1.5	M18x1.5	M20x1.5	<a href="#">167TA8455</a>
MM18x1.5-FSM22x1.5	M18x1.5	M22x1.5	<a href="#">167TA8456</a>
MM20x1.5-FSM18x1.5	M20x1.5	M18x1.5	<a href="#">167TA8457</a>
MM20x1.5-FSM20x1.5	M20x1.5	M20x1.5	<a href="#">167TA8458</a>
MM20x1.5-FSM22x1.5	M20x1.5	M22x1.5	<a href="#">167TA8459</a>

### ADAPTOR - MALE METRIC 60° / FEMALE SWIVEL METRIC 60°

Description	E METRIC	F METRIC	REF
MM22x1.5-FSM18x1.5	M22x1.5	M18x1.5	<a href="#">167TA8460</a>
MM22x1.5-FSM18x1.5	M22x1.5	M20x1.5	<a href="#">167TA8461</a>
MM22x1.5-FSM22x1.5	M22x1.5	M22x1.5	<a href="#">167TA8462</a>

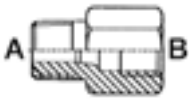
### ADAPTOR - MALE METRIC / MALE METRIC BULKHEAD 60° CONE + LOCKNUT

Description	E METRIC	F METRIC	REF
MM22x1.5-MM22x1.5 BL	M22x1.5	M22x1.5	<a href="#">151TA9925</a>
MM24x1.5-MM24x1.5 BL	M24x1.5	M24x1.5	<a href="#">167TA8463</a>



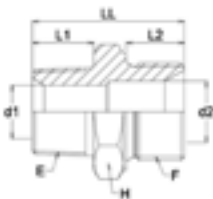
### ADAPTOR - MALE METRIC DIN 60° / FEMALE METRIC

Description	A METRIC	B METRIC	REF
MM8x1.5-FM10x1.5	M8x1.5	M10x1.5	<a href="#">151TA9928</a>



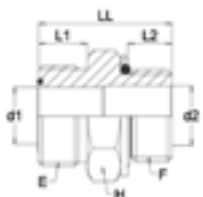
### ADAPTOR - MALE NPT / MALE METRIC DIN 60°

Description	E NPT	F METRIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M1/8NPT-MM12x1.5	1/8-27	M12x1.5	12	10	30	4.4	4.4	17	<a href="#">151TA9943</a>
M1/8NPT-MM14x1.5	1/8-27	M14x1.5	12	12	30	6	4.4	17	<a href="#">151TA9944</a>
M1/4NPT-MM14x1.5	1/4-18	M14x1.5	14.2	12	36	6	6	19	<a href="#">151TA9945</a>
M1/4NPT-MM16x1.5	1/4-18	M16x1.5	14.2	12	36	6	8	22	<a href="#">151TA9946</a>
M3/8NPT-MM16x1.5	3/8-18	M16x1.5	14.2	12	36	8	8	22	<a href="#">151TA9947</a>
M3/8NPT-MM18x1.5	3/8-18	M18x1.5	14.2	12	37	9	9	24	<a href="#">151TA9948</a>
M3/8NPT-MM22x1.5	3/8-18	M22x1.5	14.2	12	38	10	10	24	<a href="#">167TA8464</a>
M1/2NPT-MM18x1.5	1/2-14	M18x1.5	19	12	40	12	12	27	<a href="#">151TA9950</a>
M1/2NPT-MM22x1.5	1/2-14	M22x1.5	19	14	45	12	14.1	27	<a href="#">167TA5231</a>
M3/4NPT-MM26x1.5	3/4-14	M26x1.5	19	16	45	16.5	14.1	27	<a href="#">151TA9952</a>
M3/4NPT-MM30x1.5	3/4-14	M30x1.5	19	16	48	16.5	19	36	<a href="#">151TA9953</a>
M1 NPT-MM30x1.5	1-11.5	M30x1.5	23.9	16	53	21.5	19	36	<a href="#">151TA9954</a>
M1 NPT-MM38x1.5	1-11.5	M38x1.5	23.9	20	60	24	26	40	<a href="#">151TA9955</a>
M1 1/2NPT-MM45x1.5	1 1/4-11.5	M45x1.5	24.9	20	62.5	28.5	32	55	<a href="#">151TA9958</a>
M1 1/2NPT-MM52x1.5	1 1/4-11.5	M45x1.5	24.9	24	64	28.5	36	55	<a href="#">151TA9959</a>




# ADAPTORS TYPE METRIC

## ADAPTOR - MALE ORFS / MALE METRIC + RETAINING RING




Description	E ORFS	F METRIC	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M9/16ORFS-MM12x1.5	9/16-18	M12x1.5	9.8	11	28.5	4	4	17	<a href="#">151TA9961</a>
M9/16ORFS-MM14x1.5	9/16-18	M14x1.5	9.8	11	29.3	4.5	6	19	<a href="#">167TA4808</a>
M11/16ORFS-MM14x1.5	11/16-16	M14x1.5	11.2	11	32	6	6	19	<a href="#">167TA8465</a>
M11/16ORFS-MM16x1.5	11/16-16	M16x1.5	11.2	12.5	33.5	6.5	6.5	22	<a href="#">125TA4861</a>
M13/16ORFS-MM18x1.5	13/16-16	M18x1.5	12.8	14	38	9	9	24	<a href="#">151TA9964</a>
M13/16ORFS-MM22x1.5	13/16-16	M22x1.5	12.8	15	39.3	9.5	12	27	<a href="#">167TA8466</a>
M1 ORFS-MM22x1.5	1-14	M22x1.5	15.5	15	42	12	12	27	<a href="#">124TA4470</a>
M1 ORFS-MM27x2	1-14	M27x2.0	15.5	18.5	47	12.5	15	32	<a href="#">167TA8467</a>
M1 13/16ORFS-MM27x2	1 3/16-12	M27x2.0	17	18.5	48.5	15	15	32	<a href="#">167TA4607</a>
M1 7/16ORFS-MM33x2	1 7/16-12	M33x2.0	17.5	18.5	52	20	20	41	<a href="#">151TA9967</a>
M1 11/16ORFS-MM42x2	1 11/16-12	M42x2.0	17.5	19	54.5	26	26	50	<a href="#">151TA9968</a>
M2 ORFS-MM48x2	2-12	M48x2.0	17.5	21.5	57	32	32	55	<a href="#">151TA9969</a>

## ADAPTOR - BANJO METRIC - MALE METRIC 60°



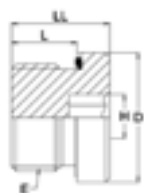
Description	A Ø Banjo Eye	B METRIC	REF
BANJO EYE10-MM12x1.5	10	M12x1.5	<a href="#">151TA9935</a>
BANJO EYE12-MM14x1.5	12	M14x1.5	<a href="#">151TA9936</a>
BANJO EYE14-MM16x1.5	14	M16x1.5	<a href="#">151TA9937</a>
BANJO EYE16-MM16x1.5	16	M16x1.5	<a href="#">151TA9938</a>
BANJO EYE16-MM18x1.5	16	M18x1.5	<a href="#">151TA9939</a>
BANJO EYE18-MM22x1.5	18	M22x1.5	<a href="#">151TA9940</a>
BANJO EYE22-MM26x1.5	22	M26x1.5	<a href="#">151TA9941</a>
BANJO EYE26-MM30x1.5	26	M30x1.5	<a href="#">151TA9942</a>

## LOCK NUT - FEMALE METRIC BULKHEAD



Description	E METRIC	D TUBE	L mm	H mm	REF
NUTM12x1.5 BL	M12x1.5	6L	6	17	<a href="#">151TA6610</a>
NUTM14x1.5 BL	M14x1.5	8L/6S	6	19	<a href="#">167TA8472</a>
NUTM16x1.5 BL	M16x1.5	10L/8S	6	22	<a href="#">167TA8473</a>
NUTM18x1.5 BL	M18x1.5	12L/10S	6	24	<a href="#">151TA9926</a>
NUTM22x1.5 BL	M22x1.5	15L/14S	7	30	<a href="#">151TA9927</a>
NUTM24x1.5 BL	M24x1.5	16S/17G	7	32	<a href="#">151TA6616</a>
NUTM26x1.5 BL	M26x1.5	18L	8	36	<a href="#">167TA8474</a>

## PLUG - MALE METRIC CAPTIVE SEAL COUNTERSUNK HEXAGON

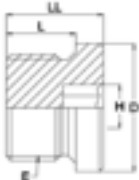


Description	E METRIC	L mm	LL mm	D mm	H mm	REF
BMM10x1 ED UMB	M10x1	8	12.3	14	5	<a href="#">163TA8235</a>
BMM12x1.5 ED UMB	M12x1.5	12	17.3	17	6	<a href="#">167TA8475</a>
BMM14x1.5 ED UMB	M14x1.5	12	17.3	19	6	<a href="#">116TA5334</a>
BMM16x1.5 ED UMB	M16x1.5	12	17.3	22	8	<a href="#">163TA8237</a>
BMM18x1.5 ED UMB	M18x1.5	12	17.3	24	8	<a href="#">163TA8238</a>
BMM20x1.5 ED UMB	M20x1.5	14	19.3	26	10	<a href="#">167TA8476</a>
BMM22x1.5 ED UMB	M22x1.5	14	19.3	27	10	<a href="#">167TA8477</a>
BMM24x1.5 ED UMB	M24x1.5	14	19	29	10	<a href="#">167TA8478</a>
BMM26x1.5 ED UMB	M26x1.5	16	21.3	32	12	<a href="#">167TA8479</a>

### PLUG - MALE METRIC CAPTIVE SEAL COUNTERSUNK HEXAGON


Description	E METRIC	L mm	LL mm	D mm	H mm	REF
BMM27x2 ED UMB	M27x2	16	21.3	32	12	<a href="#">167TA8480</a>
BMM33x2 ED UMB	M33x2	16	22.8	40	17	<a href="#">167TA8481</a>
BMM42x2 ED UMB	M42x2	16	22.8	50	22	<a href="#">167TA8482</a>

### PLUG - MALE METRIC COUNTERSUNK HEXAGON



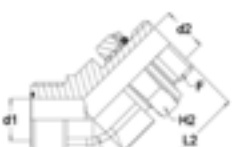
Description	E METRIC	L mm	LL mm	D mm	H mm	REF
BMM10x1 UMB	M10x1	8	12	14	5	<a href="#">167TA8483</a>
BMM12x1.5 UMB	M12x1.5	12	15	17	6	<a href="#">167TA8484</a>
BMM14x1.5 UMB	M14x1.5	12	15	19	6	<a href="#">167TA8485</a>
BMM16x1.5 UMB	M16x1.5	12	15	22	8	<a href="#">167TA8486</a>
BMM18x1.5 UMB	M18x1.5	12	16.5	24	8	<a href="#">160TA4106</a>
BMM20x1.5 UMB	M20x1.5	14	18	25	10	<a href="#">167TA8487</a>
BMM22x1.5 UMB	M22x1.5	14	18	29	10	<a href="#">167TA8488</a>
BMM24x1.5 UMB	M24x1.5	14	18	30	12	<a href="#">167TA8489</a>
BMM26x1.5 UMB	M26x1.5	16	21	32	12	<a href="#">167TA8490</a>
BMM30x1.5 UMB	M30x1.5	18	23	36	16	<a href="#">167TA8491</a>
BMM30x2 UMB	M30x2	16	20	36	17	<a href="#">167TA8492</a>
BMM36x1.5 UMB	M36x1.5	15.5	21	42	19	<a href="#">167TA8493</a>
BMM42x2 UMB	M42x2	16	21	49	22	<a href="#">167TA8494</a>
BMM48x2.5 UMB	M48x2.5	15.5	21	55	24	<a href="#">167TA8495</a>
BMM52x1.5 UMB	M52x1.5	16.5	21	60	24	<a href="#">167TA8496</a>

### PLUG - MALE METRIC



Description	E METRIC	L mm	LL mm	D mm	H mm	REF
BMM8x1.5 HEX	M8x1.5	8	12	4	14	<a href="#">151TA9981</a>
BMM12x1.5 HEX	M12x1.5	10	19	4	17	<a href="#">151TA9982</a>
BMM14x1.5 HEX	M14x1.5	12	22	6	19	<a href="#">167TA5056</a>
BMM16x1.5 HEX	M16x1.5	12	22	8	22	<a href="#">151TA9984</a>
BMM18x1.5 HEX	M18x1.5	12	22.5	10	24	<a href="#">167TA5037</a>
BMM22x1.5 HEX	M22x1.5	14	26	14.1	27	<a href="#">151TA9986</a>
BMM24x1.5 HEX	M24x1.5	14	26	16	30	<a href="#">151TA9987</a>

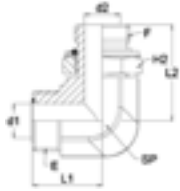
### 45° ADAPTOR - MALE ORFS / MALE METRIC + O-RING



Description	E ORFS	F METRIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-MM12x1.5 OR 45°	9/16-18	M12x1.5	18.3	28.5	5	5	16	14	<a href="#">167TA8468</a>
M11/16ORFS-MM14x1.5 OR 45°	11/16-16	M14x1.5	20.5	29.5	6.5	6.5	19	19	<a href="#">167TA8469</a>
M11/16ORFS-MM16x1.5 OR 45°	11/16-16	M16,1,5	20.5	29	6.5	7.5	22	19	<a href="#">167TA8470</a>
M13/16ORFS-MM18x1.5 OR 45°	13/16-16	M18x1.5	20.5	36.5	9.5	9	24	20	<a href="#">151TA9970</a>
M1 3/16ORFS-MM27x2 OR 45°	1 3/16-12	M27x2	25.9	50.2	15.5	15	32	30	<a href="#">167TA8471</a>

# ADAPTORS TYPE METRIC

## 90° ADAPTOR - MALE ORFS / MALE METRIC + O-RING




Description	E ORFS	F METRIC	L1 mm	L2 mm	d1 mm	d2 mm	H2 mm	SP	REF
M9/16ORFS-MM12x1.5 OR 90°	9/16-18	M12x1.5	23	32	4.5	4	17	14	<a href="#">167TA4691</a>
M9/16ORFS-MM14x1.5 OR 90°	9/16-18	M14x1.5	23	35.5	4.5	6.5	17	17	<a href="#">151TA9972</a>
M11/16ORFS-MM14x1.5 OR 90°	11/16-16	M14x1.5	27	35.5	6.5	6	19	19	<a href="#">151TA9973</a>
M11/16ORFS-MM16x1.5 OR 90°	11/16-16	M16x1.5	27	36	6.5	6.5	22	19	<a href="#">167TA5229</a>
M13/16ORFS-MM18x1.5 OR 90°	13/16-16	M18x1.5	28	41	9.5	11	24	19	<a href="#">151TA9975</a>
M1 ORFS-MM22x1.5 OR 90°	1-14	M22x1.5	36.5	43.5	12.5	12	27	27	<a href="#">167TA5309</a>
M1 3/16ORFS-MM27x2 OR 90°	1 3/16-12	M27x2.0	40.3	60	15.5	18	32	30	<a href="#">151TA9977</a>
M1 7/16ORFS-MM33x2 OR 90°	1 7/16-12	M33x2.0	42.3	60	20.5	20	41	37	<a href="#">151TA9978</a>
M1 11/16ORFS-MM42x2 OR 90°	1 11/16-12	M42x2.0	44.7	63	26	27.5	50	41	<a href="#">151TA9979</a>
M2 ORFS-MM48x2 OR 90°	2-12	M48x2.0	48.8	71.5	32	32	55	48	<a href="#">151TA9980</a>




# ADAPTORS TYPE ARELCO


## ADAPTOR - FEMALE BSP FIX / FEMALE SWIVEL CUTTING RING

	Description	A BSP	B METRIC	REF
	F1/2BSP-FS12L	1/2-14	M18x1.5	<a href="#">151TA9988</a>
	F1/2BSP-FS13N	1/2-14	M20x1.5	<a href="#">151TA9989</a>


## ADAPTOR - FEMALE SWIVEL CUTTING RING / MALE JIC RENAULT

	Description	A METRIC	B JIC	REF
	FS13N-M9/16JIC RENAULT	M20x1.5	9/16-18	<a href="#">151TA9990</a>
	FS13N-M3/4JIC RENAULT	M20x1.5	3/4-16	<a href="#">151TA9991</a>


## ADAPTOR - FEMALE SWIVEL CUTTING RING / MALE JIC JOHN DEERE

	Description	A METRIC	B JIC	REF
	FS13N-M3/4JIC JD	M20x1.5	3/4-16	<a href="#">151TA9992</a>

## ADAPTOR - FEMALE SWIVEL CUTTING RING / MALE METRIC 60°

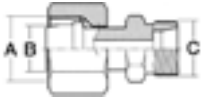
	Description	A METRIC	B METRIC	REF
	FS13N-M22x1.5	M20x1.5	M22x1.5	<a href="#">151TA9993</a>

## ADAPTOR - FEMALE SWIVEL CUTTING RING / MALE SAE

	Description	A METRIC	B SAE	REF
	FS13N-M9/16SAE	M20x1.5	9/16-18	<a href="#">151TA9994</a>
	FS13N-M3/4SAE	M20x1.5	3/4-16	<a href="#">151TA9995</a>

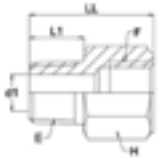
### ADAPTOR - FEMALE SWIVEL CUTTING RING / MALE CUTTING RING

Description	A METRIC	B mm	C	REF
FS13N-M12L	M20x1.5	13	M18x1.5	<a href="#">151TA9997</a>



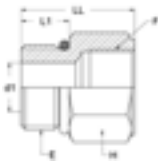
### ADAPTOR - MALE BSPT / FEMALE ARELCO

Description	E BSPT	F ARELCO	L1 mm	LL mm	d1 mm	H mm	REF
M3/8BSPT-F ARELCO M18x1.5	3/8-19	M18x1.5	15	33.5	10	24	<a href="#">151TA9998</a>
M1/2BSPT-F ARELCO M18x1.5	1/2-14	M18x1.5	19	37.5	13	24	<a href="#">151TA9999</a>



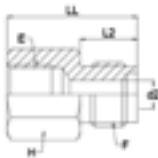
### ADAPTOR - MALE SAE / FEMALE ARELCO

Description	E SAE	F ARELCO	L1 mm	LL mm	d1 mm	H mm	REF
M9/16UNF-F ARELCO M18x1.5	9/16-18	M18x1.5	9.9	29	7.5	24	<a href="#">167TA8497</a>
M3/4UNF-F ARELCO M18x1.5	3/4-16	M18x1.5	11.1	30	9.9	24	<a href="#">152TA1000</a>
M7/8UNF-F ARELCO M18x1.5	7/8-14	M18x1.5	12.7	32	12	27	<a href="#">152TA1001</a>



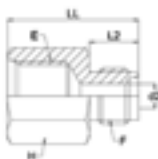
### ADAPTOR - FEMALE BSP FIX / MALE ARELCO

Description	E BSP	F ARELCO	L2 mm	LL mm	d2 mm	H mm	REF
F1/4BSP-M ARELCO M18x1.5	1/4-19	M18x1.5	16	35	8	19	<a href="#">152TA1002</a>
F3/8BSP-M ARELCO M18x1.5	3/8-19	M18x1.5	16	36.5	8	22	<a href="#">152TA1003</a>
F1/2BSP-M ARELCO M18x1.5	1/2-14	M18x1.5	16	41.5	8	27	<a href="#">152TA1004</a>
F1 BSP-M ARELCO M18x1.5	1-11	M18x1.5	16	41.5	8	41	<a href="#">167TA8498</a>



### ADAPTOR - FEMALE SAE FIX / MALE ARELCO

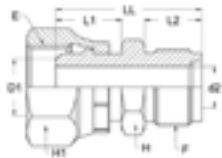
Description	E SAE	F ARELCO	L2 mm	LL mm	d2 mm	H mm	REF
FSAE9/16-M ARELCO M18x1.5	9/16-18	M18x1.5	16	32	8	19	<a href="#">167TA8499</a>
FSAE3/4-M ARELCO M18x1.5	3/4-16	M18x1.5	16	39	8	24	<a href="#">152TA1005</a>
FSAE7/8-M ARELCO M18x1.5	7/8-14	M18x1.5	16	43	8	27	<a href="#">167TA8500</a>



# ADAPTORS TYPE ARELCO

## ADAPTOR - FEMALE SWIVEL 24° / MALE ARELCO

Description	E 24°	F ARELCO	D1	L1 mm	L2 mm	LL mm	d2 mm	H mm	H1 mm	REF
FS12L-M ARELCO M18x1.5	M18x1.5	M18x1.5	12L	14.5	16	38.5	8	19	27	<a href="#">152TA1006</a>
FS13N-M ARELCO M18x1.5	M20x1.5	M18x1.5	13G	15	16.3	39	8	22	27	<a href="#">152TA1007</a>
FS15L-M ARELCO M18x1.5	M22x1.5	M18x1.5	15L	15.5	17.5	39.5	8	27	32	<a href="#">152TA1008</a>
FS17N-M ARELCO M18x1.5	M24x1.5	M18x1.5	17G	16	18	40	8	41	32	<a href="#">152TA1009</a>



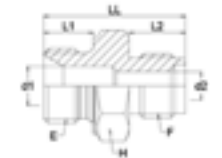
## ADAPTOR - MALE BSPT / MALE ARELCO

Description	E BSPT	F ARELCO	REF
M1/4BSPT-M ARELCO M18x1.5	1/4	M18x1.5	<a href="#">167TA8501</a>
M3/8BSPT-M ARELCO M18x1.5	3/8-19	M18x1.5	<a href="#">152TA1010</a>
M1/2BSPT-M ARELCO M18x1.5	1/2-14	M18x1.5	<a href="#">152TA1011</a>



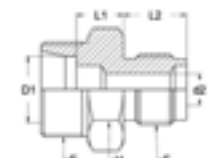
## ADAPTOR - MALE BSP / MALE ARELCO

Description	E BSP	F ARELCO	L1 mm	L2 mm	LL mm	d1 mm	d2 mm	H mm	REF
M3/8BSP-M ARELCO M18x1.5	3/8-19	M18x1.5	12	16	37	7.9	7.9	22	<a href="#">152TA1013</a>
M1/2BSP-M ARELCO M18x1.5	1/2-14	M18x1.5	14	16	40	11.1	8	27	<a href="#">152TA1014</a>
M3/4BSP-M ARELCO M18x1.5	3/4-14	M18x1.5	16	16	41	16.7	8	32	<a href="#">167TA8502</a>
M1 BSP-M ARELCO M18x1.5	1-11	M18x1.5	19	16	45	22.2	8	41	<a href="#">167TA8503</a>



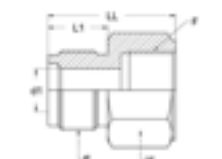
## ADAPTOR - MALE 24° / MALE ARELCO

Description	E 24°	F ARELCO	D1 Tube	L1 mm	L2 mm	d2 mm	H mm	REF
M8L-M ARELCO M18x1.5	M14x1.5	M18x1.5	8L	11	16	8	19	<a href="#">152TA1015</a>
M10L-M ARELCO M18x1.5	M16x1.5	M18x1.5	10L	12	16	8	19	<a href="#">152TA1016</a>
M12L-M ARELCO M18x1.5	M18x1.5	M18x1.5	12L	12	16	8	19	<a href="#">152TA1017</a>
M13N-M ARELCO M18x1.5	M20x1.5	M18x1.5	13G	11	16	8	22	<a href="#">152TA1018</a>
M15L-M ARELCO M18x1.5-	M22x1.5	M18x1.5	15L	13	16	8	22	<a href="#">152TA1019</a>
M17N-M ARELCO M18x1.5	M24x1.5	M18x1.5	17G	12	16	8	27	<a href="#">152TA1020</a>



## ADAPTOR - MALE ARELCO / FEMALE ARELCO

Description	E ARELCO	F METRIC	L1 mm	LL mm	d1 mm	H mm	REF
M ARELCO M18x1.5-F ARELCO M18x1.5	M18x1.5	M18x1.5	16	34.5	8	24	<a href="#">152TA1021</a>
M ARELCO M18x1.5-F ARELCO M24x1.5	M24x1.5	M18x1.5	18	36	12	24	<a href="#">167TA8504</a>









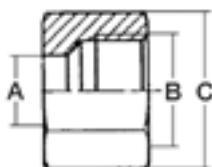
06.

# **CUTTING RING FITTINGS**

# CUTTING RING FITTINGS

## NUT FOR CUTTING RING

Description	A mm	B	C mm	REF
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### ULTRA-LIGHT

M 04 LL	4	M8x1.0	10	<a href="#">151TA6466</a>
M 05 LL	5	M10x1.0	12	<a href="#">151TA6467</a>
M 06 LL	6	M10x1.0	12	<a href="#">151TA6468</a>
M 08 LL	8	M12x1.0	14	<a href="#">151TA6469</a>
M 10 LL	10	M14x1.0	17	<a href="#">151TA6470</a>
M 12 LL	12	M16x1.0	19	<a href="#">151TA6471</a>

### LIGHT

M 06 L	6	M12x1.5	14	<a href="#">151TA6472</a>
M 08 L	8	M14x1.5	17	<a href="#">151TA6473</a>
M 10 L	10	M16x1.5	19	<a href="#">151TA6474</a>
M 12 L	12	M18x1.5	22	<a href="#">151TA6475</a>
M 13 L	13	M20x1.5	24	<a href="#">151TA6476</a>
M 14 L	14	M20x1.5	27	<a href="#">151TA6477</a>
M 15 L	15	M22x1.5	27	<a href="#">151TA6478</a>
M 17 L	17	M24x1.5	30	<a href="#">151TA6479</a>
M 18 L	18	M26x1.5	32	<a href="#">151TA6480</a>

Description	A mm	B	C mm	REF
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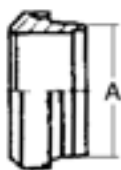
M 20 L	20	M27x1.5	32	<a href="#">151TA6481</a>
M 21 L	21	M30x1.5	36	<a href="#">151TA6482</a>
M 22 L	22	M30x2.0	36	<a href="#">151TA6483</a>
M 27 L	27	M36x1.5	42	<a href="#">151TA6484</a>
M 28 L	28	M36x2.0	46	<a href="#">151TA6485</a>
M 33 L	33	M45x1.5	55	<a href="#">151TA6486</a>
M 35 L	35	M45x2.0	55	<a href="#">151TA6487</a>
M 42 L	42	M52x2.0	60	<a href="#">151TA6488</a>

### HEAVY-DUTY

M 06 S	6	M14x1.5	17	<a href="#">151TA6489</a>
M 08 S	8	M16x1.5	19	<a href="#">151TA6490</a>
M 10 S	10	M18x1.5	22	<a href="#">151TA6491</a>
M 12 S	12	M20x1.5	24	<a href="#">151TA6492</a>
M 14 S	14	M22x1.5	27	<a href="#">151TA6493</a>
M 16 S	16	M24x1.5	30	<a href="#">151TA6494</a>
M 20 S	20	M30x2.0	36	<a href="#">151TA6495</a>
M 25 S	25	M36x2.0	46	<a href="#">151TA6496</a>
M 30 S	30	M42x2.0	50	<a href="#">151TA6497</a>
M 38 S	38	M52x2.0	60	<a href="#">151TA6498</a>

## CUTTING RING

Description	A mm	REF
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### ULTRA-LIGHT

SR 04 LL	4	<a href="#">151TA6499</a>
SR 05 LL	5	<a href="#">151TA6500</a>
SR 06 LL	6	<a href="#">151TA6501</a>
SR 08 LL	8	<a href="#">151TA6502</a>
SR 10 LL	10	<a href="#">151TA6503</a>
SR 12 LL	12	<a href="#">151TA6504</a>

### LIGHT

SR 06 L/S	6	<a href="#">151TA6505</a>
SR 08 L/S	8	<a href="#">151TA6506</a>
SR 10 L/S	10	<a href="#">151TA6507</a>
SR 12 L/S	12	<a href="#">151TA6508</a>
SR 13 L	13	<a href="#">151TA6509</a>
SR 14 L	14	<a href="#">151TA6510</a>
SR 15 L	15	<a href="#">151TA6511</a>
SR 17 L	17	<a href="#">151TA6512</a>


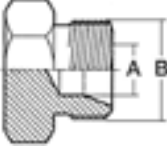
Description	A mm	REF
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SR 18 L	18	<a href="#">151TA6513</a>
SR 20 L	20	<a href="#">151TA6514</a>
SR 21 L	21	<a href="#">151TA6515</a>
SR 22 L	22	<a href="#">151TA6516</a>
SR 27 L	27	<a href="#">151TA6517</a>
SR 28 L	28	<a href="#">151TA6518</a>
SR 33 L	33	<a href="#">151TA6519</a>
SR 35 L	35	<a href="#">151TA6520</a>
SR 42 L	42	<a href="#">151TA6521</a>

### HEAVY-DUTY


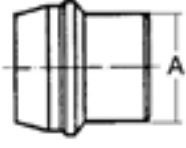
SR 14 S	14	<a href="#">151TA6522</a>
SR 16 S	16	<a href="#">151TA6523</a>
SR 20 S	20	<a href="#">151TA6524</a>
SR 25 S	25	<a href="#">151TA6525</a>
SR 30 S	30	<a href="#">151TA6526</a>
SR 38 S	38	<a href="#">151TA6527</a>

## MALE PLUG FOR 24° CONE

Description	A mm	B	REF
			
<b>LIGHT</b>			
VL 06	6	M12x1.5	<a href="#">151TA7356</a>
VL 08	8	M14x1.5	<a href="#">151TA7357</a>
VL 10	10	M16x1.5	<a href="#">151TA7358</a>
VL 12	12	M18x1.5	<a href="#">151TA7359</a>
VL 15	15	M22x1.5	<a href="#">151TA7360</a>
VL 18	18	M26x1.5	<a href="#">151TA7361</a>
VL 22	22	M30x2.0	<a href="#">151TA7362</a>
VL 28	28	M36x2.0	<a href="#">151TA7363</a>
VL 35	35	M45x2.0	<a href="#">151TA7364</a>
VL 42	42	M52x2.0	<a href="#">151TA7365</a>
<b>HEAVY-DUTY</b>			
VS 06	6	M14x1.5	<a href="#">151TA7366</a>
VS 08	8	M16x1.5	<a href="#">151TA7367</a>

Description	A mm	B	REF
VS 10	10	M18x1.5	<a href="#">151TA7368</a>
VS 12	12	M20x1.5	<a href="#">151TA7369</a>
VS 13	13	M20x1.5	<a href="#">151TA7370</a>
VS 14	14	M22x1.5	<a href="#">151TA7371</a>
VS 16	16	M24x1.5	<a href="#">151TA7372</a>
VS 17	17	M24x1.5	<a href="#">151TA7373</a>
VS 20	20	M30x2.0	<a href="#">151TA7374</a>
VS 25	25	M36x2.0	<a href="#">151TA7375</a>
VS 30	30	M42x2.0	<a href="#">151TA7376</a>
VS 38	38	M52x2.0	<a href="#">151TA7377</a>

## FEMALE PLUG FOR 24° CONE

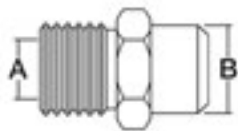
Description	A mm	REF
		
<b>ULTRA-LIGHT</b>		
VS 04LL	4	<a href="#">151TA7332</a>
VS 06LL	6	<a href="#">151TA7333</a>
VS 08LL	8	<a href="#">151TA7334</a>
<b>LIGHT</b>		
VS 06L/S	6	<a href="#">151TA7335</a>
VS 08L/S	8	<a href="#">151TA7336</a>
VS 10L/S	10	<a href="#">151TA7337</a>
VS 12L/S	12	<a href="#">151TA7338</a>
VS 13L	13	<a href="#">151TA7339</a>
VS 14L	14	<a href="#">151TA7340</a>
VS 15L	15	<a href="#">151TA7341</a>
VS 17L	17	<a href="#">151TA7342</a>
VS 18L	18	<a href="#">151TA7343</a>
VS 20L	20	<a href="#">151TA7344</a>
VS 21L	21	<a href="#">151TA7345</a>
VS 22L	22	<a href="#">151TA7346</a>
VS 28L	28	<a href="#">151TA7347</a>

Description	A mm	REF
VS 35L	35	<a href="#">151TA7348</a>
VS 42L	42	<a href="#">151TA7349</a>
<b>HEAVY-DUTY</b>		
VS 14S	14	<a href="#">151TA7350</a>
VS 16S	16	<a href="#">151TA7351</a>
VS 20S	20	<a href="#">151TA7352</a>
VS 25S	25	<a href="#">151TA7353</a>
VS 30S	30	<a href="#">151TA7354</a>
VS 38S	38	<a href="#">151TA7355</a>

# CUTTING RING FITTINGS

## CUTTING RING THREAD WELD-ON

Description	A mm	B mm	REF
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### LIGHT

ASV 06L	6	10	<a href="#">151TA6528</a>
ASV 08L	8	12	<a href="#">151TA6529</a>
ASV 10L	10	14	<a href="#">151TA6530</a>
ASV 12L	12	16	<a href="#">151TA6531</a>
ASV 15L	15	19	<a href="#">151TA6532</a>
ASV 18L	18	22	<a href="#">151TA6533</a>
ASV 22L	22	27	<a href="#">151TA6534</a>
ASV 28L	28	32	<a href="#">151TA6535</a>
ASV 35L	35	40	<a href="#">151TA6536</a>
ASV 42L	42	46	<a href="#">151TA6537</a>

### HEAVY-DUTY

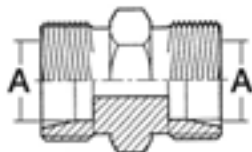
ASV 06S	6	11	<a href="#">151TA6538</a>
ASV 08S	8	13	<a href="#">151TA6539</a>
ASV 10S	10	15	<a href="#">151TA6540</a>
ASV 12S	12	17	<a href="#">151TA6541</a>

Description	A mm	B mm	REF
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ASV 14S	14	19	<a href="#">151TA6542</a>
ASV 16S	16	21	<a href="#">151TA6543</a>
ASV 20S	20	26	<a href="#">151TA6544</a>
ASV 25S	25	31	<a href="#">151TA6545</a>
ASV 30S	30	36	<a href="#">151TA6546</a>
ASV 38S	38	44	<a href="#">151TA6547</a>

## STRAIGHT CUTTING RING THREAD

Description	A mm	REF
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### ULTRA-LIGHT

GV 04LL	4	<a href="#">151TA6548</a>
GV 05LL	5	<a href="#">151TA6549</a>
GV 06LL	6	<a href="#">151TA6550</a>
GV 08LL	8	<a href="#">151TA6551</a>
GV 10LL	10	<a href="#">151TA6552</a>
GV 16LL	16	<a href="#">151TA6553</a>

### LIGHT

GV 06L	6	<a href="#">151TA6554</a>
GV 08L	8	<a href="#">151TA6555</a>
GV 10L	10	<a href="#">151TA6556</a>
GV 12L	12	<a href="#">151TA6557</a>
GV 13L	13	<a href="#">151TA6558</a>
GV 14L	14	<a href="#">151TA6559</a>
GV 15L	15	<a href="#">151TA6560</a>
GV 17L	17	<a href="#">151TA6561</a>

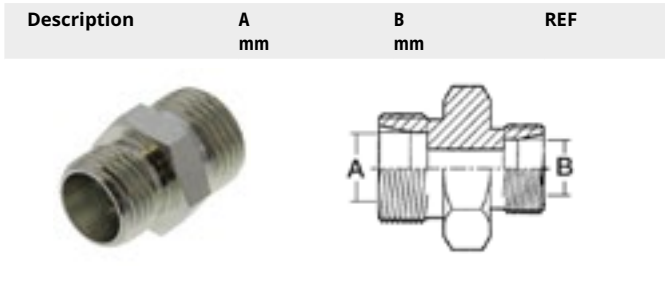
Description	A mm	REF
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GV 18L	18	<a href="#">151TA6562</a>
GV 21L	21	<a href="#">151TA6563</a>
GV 22L	22	<a href="#">151TA6564</a>
GV 27L	27	<a href="#">151TA6565</a>
GV 28L	28	<a href="#">151TA6566</a>
GV 35L	35	<a href="#">151TA6567</a>
GV 42L	42	<a href="#">151TA6568</a>

### HEAVY-DUTY

GV 06S	6	<a href="#">151TA6569</a>
GV 08S	8	<a href="#">151TA6570</a>
GV 10S	10	<a href="#">151TA6571</a>
GV 12S	12	<a href="#">151TA6572</a>
GV 14S	14	<a href="#">151TA6573</a>
GV 16S	16	<a href="#">151TA6574</a>
GV 20S	20	<a href="#">151TA6575</a>
GV 25S	25	<a href="#">151TA6576</a>
GV 30S	30	<a href="#">151TA6577</a>
GV 38S	38	<a href="#">151TA6578</a>

## REDUCING CUTTING RING THREAD



### ULTRA-LIGHT

Description	A mm	B mm	REF
GV 06/04LL	6	4	<a href="#">151TA6820</a>
GV 08/06LL	8	6	<a href="#">151TA6821</a>

### LIGHT

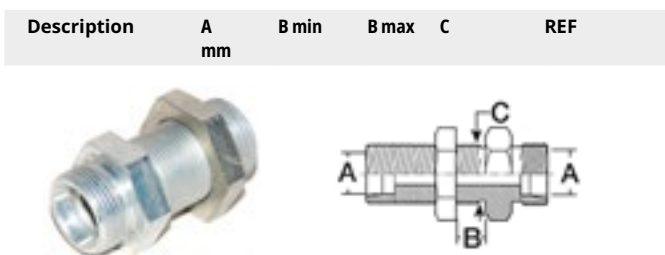
Description	A mm	B mm	REF
GV 08/06L	8	6	<a href="#">151TA6822</a>
GV 10/06L	10	6	<a href="#">151TA6823</a>
GV 10/08L	10	8	<a href="#">151TA6824</a>
GV 12/08L	12	8	<a href="#">151TA6825</a>
GV 12/10L	12	10	<a href="#">151TA6826</a>
GV 13/10L	13	10	<a href="#">151TA6827</a>
GV 13/12L	13	12	<a href="#">151TA6828</a>
GV 14/12L	14	12	<a href="#">151TA6829</a>
GV 15/08L	15	8	<a href="#">151TA6830</a>
GV 15/10L	15	10	<a href="#">151TA6831</a>
GV 15/12L	15	12	<a href="#">151TA6832</a>
GV 15/13L	15	13	<a href="#">151TA6833</a>

Description	A mm	B mm	REF
GV 17/12L	17	12	<a href="#">151TA6834</a>
GV 17/13L	17	13	<a href="#">151TA6835</a>
GV 17/15L	17	15	<a href="#">151TA6836</a>
GV 18/12L	18	12	<a href="#">151TA6837</a>
GV 18/15L	18	15	<a href="#">151TA6838</a>
GV 22/15L	22	15	<a href="#">151TA6839</a>
GV 28/22L	28	22	<a href="#">151TA6840</a>

### HEAVY-DUTY

Description	A mm	B mm	REF
GV 08/10S	8	10	<a href="#">151TA6841</a>
GV 12/06S	12	6	<a href="#">151TA6842</a>
GV 12/08S	12	8	<a href="#">151TA6843</a>
GV 12/10S	12	10	<a href="#">151TA6844</a>
GV 16/08S	16	8	<a href="#">151TA6845</a>
GV 16/12S	16	12	<a href="#">151TA6846</a>
GV 20/16S	20	16	<a href="#">151TA6847</a>
GV 25/20S	25	20	<a href="#">151TA6848</a>
GV 30/25S	30	25	<a href="#">151TA6849</a>

## BULKHEAD CUTTING RING THREAD



### LIGHT

Description	A mm	B min	B max	C	REF
GSV 06L	6	4	16	M12x1.5	<a href="#">151TA6579</a>
GSV 08L	8	4	16	M14x1.5	<a href="#">151TA6580</a>
GSV 10L	10	4	16	M16x1.5	<a href="#">151TA6581</a>
GSV 12L	12	4	16	M18x1.5	<a href="#">151TA6582</a>
GSV 13L	13	4	16	M20x1.5	<a href="#">151TA6583</a>
GSV 15L	15	4	16	M22x1.5	<a href="#">151TA6584</a>
GSV 17L	17	4	16	M24x1.5	<a href="#">151TA6585</a>
GSV 18L	18	4	16	M26x1.5	<a href="#">151TA6586</a>
GSV 21L	21	4	16	M26x1.5	<a href="#">151TA6587</a>
GSV 22L	22	5	16	M30x2.0	<a href="#">151TA6588</a>
GSV 27L	27	5	16	M36x2.0	<a href="#">151TA6589</a>
GSV 28L	28	5	16	M36x2.0	<a href="#">151TA6590</a>
GSV 35L	35	5	16	M45x2.0	<a href="#">151TA6591</a>
GSV 42L	42	5	16	M52x2.0	<a href="#">151TA6592</a>

### HEAVY-DUTY

GSV 06S	6	4	16	M14x1.5	<a href="#">151TA6593</a>
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Description	A mm	B min	B max	C	REF
GSV 08S	8	4	16	M16x1.5	<a href="#">151TA6594</a>
GSV 10S	10	4	16	M18x1.5	<a href="#">151TA6595</a>
GSV 12S	12	4	16	M20x1.5	<a href="#">151TA6596</a>
GSV 14S	14	4	16	M22x1.5	<a href="#">151TA6597</a>
GSV 16S	16	5	16	M24x1.5	<a href="#">151TA6598</a>
GSV 20S	20	5	16	M30x2.0	<a href="#">151TA6599</a>
GSV 25S	25	5	16	M36x2.0	<a href="#">151TA6600</a>
GSV 30S	30	5	16	M42x2.0	<a href="#">151TA6601</a>
GSV 38S	38	5	16	M52x2.0	<a href="#">151TA6602</a>

# CUTTING RING FITTINGS

## BULKHEAD CUTTING RING THREAD - BSPT

Description	A mm	B BSP	REF
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NGESV12LR3/8	12	3/8	<a href="#">151TA6603</a>
NGESV12LR1/2	12	1/2	<a href="#">151TA6604</a>
NGESV13LR1/2	13	1/2	<a href="#">151TA6605</a>
NGESV15LR1/2	15	1/2	<a href="#">151TA6606</a>
NGESV17LR1/2	17	1/2	<a href="#">151TA6607</a>
NGESV20SR3/4	20	3/4	<a href="#">151TA6608</a>
NGESV25SR3/4	25	3/4	<a href="#">151TA6609</a>

## LOCKING NUT FOR BULKHEAD CUTTING RING THREAD

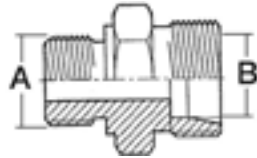
Description	Thread	REF
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KM 12 x 1.5	M12x1.5	<a href="#">151TA6610</a>
KM 14 x 1.5	M14x1.5	<a href="#">151TA6611</a>
KM 16 x 1.5	M16x1.5	<a href="#">151TA6612</a>
KM 18 x 1.5	M18x1.5	<a href="#">151TA6613</a>
KM 20 x 1.5	M20x1.5	<a href="#">151TA6614</a>
KM 22 x 1.5	M22x1.5	<a href="#">151TA6615</a>
KM 24 x 1.5	M24x1.5	<a href="#">151TA6616</a>
KM 30 x 1.5	M30x1.5	<a href="#">151TA6617</a>
KM 30 x 2.0	M30x2.0	<a href="#">151TA6618</a>
KM 36 x 2.0	M36x2.0	<a href="#">151TA6619</a>
KM 42 x 2.0	M42x2.0	<a href="#">151TA6620</a>
KM 45 x 2.0	M45x2.0	<a href="#">151TA6621</a>
KM 52 x 2.0	M52x2.0	<a href="#">151TA6622</a>

## MALE METRIC - CUTTING RING THREAD

Description	A	B mm	REF
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### ULTRA-LIGHT

GEV 04LL M8x1.0	M8x1.0	4	<a href="#">151TA6623</a>
GEV 06LL M10x1.0	M10x1.0	6	<a href="#">151TA6624</a>
GEV 08LL M10x1.0	M10x1.0	8	<a href="#">151TA6625</a>

### LIGHT

GEV 06L M10x1.0	M10x1.0	6	<a href="#">151TA6626</a>
GEV 06L M12x1.5	M12x1.5	6	<a href="#">151TA6627</a>
GEV 06L M14x1.5	M14x1.5	6	<a href="#">151TA6628</a>
GEV 06L M16x1.5	M16x1.5	6	<a href="#">151TA6629</a>
GEV 06L M18x1.5	M18x1.5	6	<a href="#">151TA6630</a>
GEV 06L M22x1.5	M22x1.5	6	<a href="#">151TA6631</a>
GEV 08L M12x1.5	M12x1.5	8	<a href="#">151TA6632</a>
GEV 08L M14x1.5	M14x1.5	8	<a href="#">151TA6633</a>
GEV 08L M16x1.5	M16x1.5	8	<a href="#">151TA6634</a>
GEV 08L M18x1.5	M18x1.5	8	<a href="#">151TA6635</a>
GEV 08L M22x1.5	M22x1.5	8	<a href="#">151TA6636</a>
GEV 10L M12x1.5	M12x1.5	10	<a href="#">151TA6637</a>
GEV 10L M14x1.5	M14x1.5	10	<a href="#">151TA6638</a>
GEV 10L M16x1.5	M16x1.5	10	<a href="#">151TA6639</a>
GEV 10L M18x1.5	M18x1.5	10	<a href="#">151TA6640</a>
GEV 10L M22x1.5	M22x1.5	10	<a href="#">151TA6641</a>
GEV 12L M12x1.5	M12x1.5	12	<a href="#">151TA6642</a>
GEV 12L M14x1.5	M14x1.5	12	<a href="#">151TA6643</a>
GEV 12L M16x1.5	M16x1.5	12	<a href="#">151TA6644</a>
GEV 12L M18x1.5	M18x1.5	12	<a href="#">151TA6645</a>
GEV 12L M22x1.5	M22x1.5	12	<a href="#">151TA6646</a>
GEV 13L M14x1.5	M14x1.5	13	<a href="#">151TA6647</a>
GEV 13L M16x1.5	M16x1.5	13	<a href="#">151TA6648</a>
GEV 13L M18x1.5	M18x1.5	13	<a href="#">151TA6649</a>
GEV 13L M20x1.5	M20x1.5	13	<a href="#">151TA6650</a>
GEV 15L M16x1.5	M16x1.5	15	<a href="#">151TA6651</a>
GEV 15L M18x1.5	M18x1.5	15	<a href="#">151TA6652</a>
GEV 15L M22x1.5	M22x1.5	15	<a href="#">151TA6653</a>
GEV 16L M22x1.5	M22x1.5	16	<a href="#">151TA6654</a>
GEV 17L M18x1.5	M18x1.5	17	<a href="#">151TA6655</a>
GEV 17L M20x1.5	M20x1.5	17	<a href="#">151TA6656</a>
GEV 17L M22x1.5	M22x1.5	17	<a href="#">151TA6657</a>
GEV 18L M18x1.5	M18x1.5	18	<a href="#">151TA6658</a>
GEV 18L M22x1.5	M22x1.5	18	<a href="#">151TA6659</a>
GEV 18L M26x1.5	M26x1.5	18	<a href="#">151TA6660</a>
GEV 21L M24x1.5	M24x1.5	21	<a href="#">151TA6661</a>
GEV 21L M26x1.5	M26x1.5	21	<a href="#">151TA6662</a>
GEV 22L M18x1.5	M18x1.5	22	<a href="#">151TA6663</a>
GEV 22L M26x1.5	M26x1.5	22	<a href="#">151TA6664</a>
GEV 27L M30x2.0	M30x2.0	27	<a href="#">151TA6665</a>

Description	A	B mm	REF
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GEV 27L M33x2.0	M33x2.0	27	<a href="#">151TA6666</a>
GEV 28L M33x2.0	M33x2.0	28	<a href="#">151TA6667</a>
GEV 35L M42x2.0	M42x2.0	35	<a href="#">151TA6668</a>
GEV 42L M48x2.0	M48x2.0	42	<a href="#">151TA6669</a>

### HEAVY-DUTY

GEV 06S M12x1.5	M12x1.5	6	<a href="#">151TA6670</a>
GEV 08S M14x1.5	M14x1.5	8	<a href="#">151TA6671</a>
GEV 10S M16x1.5	M16x1.5	10	<a href="#">151TA6672</a>
GEV 10S M18x1.5	M18x1.5	10	<a href="#">151TA6673</a>
GEV 12S M14x1.5	M14x1.5	12	<a href="#">151TA6674</a>
GEV 12S M18x1.5	M18x1.5	12	<a href="#">151TA6675</a>
GEV 14S M18x1.5	M18x1.5	14	<a href="#">151TA6676</a>
GEV 14S M20x1.5	M20x1.5	14	<a href="#">151TA6677</a>
GEV 16S M18x1.5	M18x1.5	16	<a href="#">151TA6678</a>
GEV 16S M22x1.5	M22x1.5	16	<a href="#">151TA6679</a>
GEV 20S M27x2.0	M27x2.0	20	<a href="#">151TA6680</a>
GEV 25S M33x2.0	M33x2.0	25	<a href="#">151TA6681</a>
GEV 30S M42x2.0	M42x2.0	30	<a href="#">151TA6682</a>
GEV 38S M48x2.0	M48x2.0	38	<a href="#">151TA6683</a>

# CUTTING RING FITTINGS

## MALE METRIC WITH CAPTIVE SEAL - CUTTING RING THREAD

Description	A	B mm	REF
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### LIGHT

GEV 06L M10x1 ED	M10x1	6	<a href="#">168TA1904</a>
GEV 08L M12x1.5 ED	M12x1.5	8	<a href="#">168TA1905</a>
GEV 8L M14x1.5 ED	M14x1.5	8	<a href="#">168TA2525</a>
GEV 8L M18x1.5 ED	M18x1.5	8	<a href="#">168TA2524</a>
GEV 10L M10x1 ED	M10x1.5	10	<a href="#">168TA2523</a>
GEV 10L M14x1.5 ED	M14x1.5	10	<a href="#">168TA1906</a>
GEV 10L M16x1.5 ED	M16x1.5	10	<a href="#">168TA1907</a>
GEV 10L M18x1.5 ED	M18x1.5	10	<a href="#">168TA1908</a>
GEV 12L M14x1.5 ED	M14x1.5	12	<a href="#">168TA2522</a>
GEV 12L M16x1.5 ED	M16x1.5	12	<a href="#">168TA1909</a>
GEV 12L M18x1.5 ED	M18x1.5	12	<a href="#">168TA1910</a>
GEV 12L M22x1.5 ED	M22x1.5	12	<a href="#">168TA1911</a>
GEV 15L M18x1.5 ED	M18x1.5	15	<a href="#">168TA1912</a>
GEV 15L M22x1.5 ED	M22x1.5	15	<a href="#">168TA1913</a>
GEV 18L M22x1.5 ED	M22x1.5	18	<a href="#">168TA1914</a>

Description	A	B mm	REF
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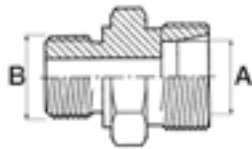
GEV 22L M26x1.5 ED	M26x1.5	22	<a href="#">168TA1915</a>
GEV 28L M33x2 ED	M33x2	28	<a href="#">168TA1916</a>

### HEAVY-DUTY

GEV 06S M12x1.5 ED	M12x1.5	6	<a href="#">168TA1917</a>
GEV 08S M14x1.5 ED	M14x1.5	8	<a href="#">168TA1918</a>
GEV 10S M16x1.5 ED	M16x1.5	10	<a href="#">168TA1919</a>
GEV 12S M14x1.5 ED	M14x1.5	12	<a href="#">168TA2526</a>
GEV 12S M18x1.5 ED	M18x1.5	12	<a href="#">168TA1920</a>
GEV 14S M20x1.5 ED	M20x1.5	14	<a href="#">168TA1921</a>
GEV 16S M22x1.5 ED	M22x1.5	16	<a href="#">168TA1922</a>
GEV 20S M27x2 ED	M27x2	20	<a href="#">168TA1923</a>
GEV 25S M33x2 ED	M33x2	25	<a href="#">168TA1924</a>

## MALE BSP WITH CAPTIVE SEAL - CUTTING RING THREAD

Description	A mm	B	REF
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### ULTRA-LIGHT

GEV 04LL R1/8	4	G 1/8	<a href="#">151TA6684</a>
GEV 06LL R1/8	6	G 1/8	<a href="#">151TA6685</a>
GEV 06LL R1/4	6	G 1/4	<a href="#">151TA6686</a>
GEV 08LL R1/8	8	G 1/8	<a href="#">151TA6687</a>

### LIGHT

GEV 06L R1/8	6	G 1/8	<a href="#">151TA6688</a>
GEV 06L R1/2	6	G 1/4	<a href="#">151TA6690</a>
GEV 06L R1/4	6	G 1/2	<a href="#">151TA6689</a>
GEV 08L R1/8	8	G 1/8	<a href="#">151TA6691</a>
GEV 08L R1/4	8	G 1/4	<a href="#">151TA6692</a>
GEV 08L R3/8	8	G 3/8	<a href="#">151TA6693</a>
GEV 08L R1/2	8	G 1/2	<a href="#">151TA6694</a>
GEV 10L R1/8	10	G 1/8	<a href="#">151TA6695</a>
GEV 10L R1/4	10	G 1/4	<a href="#">151TA6696</a>
GEV 10L R3/8	10	G 3/8	<a href="#">151TA6697</a>
GEV 10L R1/2	10	G 1/2	<a href="#">151TA6698</a>
GEV 12L R1/4	12	G 1/4	<a href="#">151TA6699</a>
GEV 12L R3/8	12	G 3/8	<a href="#">151TA6700</a>
GEV 12L R1/2	12	G 1/2	<a href="#">151TA6701</a>
GEV 12L R3/4	12	G 3/4	<a href="#">151TA6702</a>
GEV 13L R1/4	13	G 1/4	<a href="#">151TA6703</a>
GEV 13L R3/8	13	G 3/8	<a href="#">151TA6704</a>
GEV 13L R1/2	13	G 1/2	<a href="#">151TA6705</a>
GEV 15L R1/4	15	G 1/4	<a href="#">151TA6706</a>
GEV 15L R3/8	15	G 3/8	<a href="#">151TA6707</a>
GEV 15L R1/2	15	G 1/2	<a href="#">151TA6708</a>
GEV 15L R3/4	15	G 3/4	<a href="#">151TA6709</a>
GEV 17L R1/4	17	G 1/4	<a href="#">151TA6710</a>
GEV 17L R3/8	17	G 3/8	<a href="#">151TA6711</a>
GEV 17L R1/2	17	G 1/2	<a href="#">151TA6712</a>
GEV 17L R3/4	17	G 3/4	<a href="#">151TA6713</a>
GEV 18L R1/2	18	G 1/2	<a href="#">151TA6714</a>
GEV 18L R3/4	18	G 3/4	<a href="#">151TA6715</a>
GEV 18L R1	18	G 1	<a href="#">151TA6716</a>
GEV 21L R1/2	21	G 1/2	<a href="#">151TA6717</a>
GEV 21L R3/4	21	G 1/2	<a href="#">151TA6718</a>
GEV 22L R1/2	22	G 1/2	<a href="#">151TA6719</a>
GEV 22L R3/4	22	G 3/4	<a href="#">151TA6720</a>
GEV 22L R1	22	G 1	<a href="#">151TA6721</a>
GEV 27L R3/4	27	G 3/4	<a href="#">151TA6722</a>
GEV 27L R1	27	G 1	<a href="#">151TA6723</a>
GEV 28L R1	28	G 1	<a href="#">151TA6724</a>
GEV 35L R1 1/4	35	G 1 1/4	<a href="#">151TA6725</a>
GEV 42L R1 1/2	42	G 1 1/2	<a href="#">151TA6726</a>

Description	A mm	B	REF
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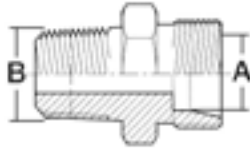
### HEAVY-DUTY

GEV 06S R1/4	6	G 1/4	<a href="#">151TA6727</a>
GEV 06S R3/8	6	G 3/8	<a href="#">151TA6728</a>
GEV 06S R1/2	6	G 1/2	<a href="#">151TA6729</a>
GEV 08S R1/4	8	G 1/4	<a href="#">151TA6730</a>
GEV 10S R1/4	10	G 1/4	<a href="#">151TA6731</a>
GEV 10S R3/8	10	G 3/8	<a href="#">151TA6732</a>
GEV 10S R1/2	10	G 1/2	<a href="#">151TA6733</a>
GEV 12S R1/4	12	G 1/4	<a href="#">151TA6734</a>
GEV 12S R3/8	12	G 3/8	<a href="#">151TA6735</a>
GEV 12S R1/2	12	G 1/2	<a href="#">151TA6736</a>
GEV 14S R3/8	14	G 3/8	<a href="#">151TA6737</a>
GEV 14S R1/2	14	G 1/2	<a href="#">151TA6738</a>
GEV 14S R3/4	14	G 3/4	<a href="#">151TA6739</a>
GEV 16S R3/8	16	G 3/8	<a href="#">151TA6740</a>
GEV 16S R1/2	16	G 1/2	<a href="#">151TA6741</a>
GEV 16S R3/4	16	G 3/4	<a href="#">151TA6742</a>
GEV 20S R1/2	20	G 1/2	<a href="#">151TA6743</a>
GEV 20S R3/4	20	G 3/4	<a href="#">151TA6744</a>
GEV 20S R1	20	G 1	<a href="#">151TA6745</a>
GEV 25S R3/4	25	G 3/4	<a href="#">151TA6746</a>
GEV 25S R1	25	G 1	<a href="#">151TA6747</a>
GEV 30S R1 1/4	30	G 1 1/4	<a href="#">151TA6748</a>
GEV 38S R1 1/4	38	G 1 1/4	<a href="#">151TA6749</a>
GEV 38S R1 1/2	38	G 1 1/2	<a href="#">151TA6750</a>

# CUTTING RING FITTINGS

## METRIC CONICAL - CUTTING RING THREAD

Description	A mm	B	REF
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Description	A mm	B	REF
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GEV 10L MK12x1.5	10	M12x1.5	<a href="#">168TA2551</a>
GEV 10L MK14x1.5	10	M14x1.5	<a href="#">151TA7034</a>
GEV 10L MK16x1.5	10	M16x1.5	<a href="#">151TA7035</a>
GEV 12L MK16x1.5	12	M16x1.5	<a href="#">151TA7036</a>
GEV 12L MK18x1.5	12	M18x1.5	<a href="#">151TA7037</a>
GEV 15L MK18x1.5	15	M18x1.5	<a href="#">151TA7038</a>

### ULTRA-LIGHT

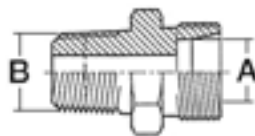
GEV 04LL MK6x1	4	M6x1.0	<a href="#">151TA7023</a>
GEV 04LL MK8x1	4	M8x1.0	<a href="#">151TA7024</a>
GEV 05LL MK8x1	5	M8x1.0	<a href="#">151TA7025</a>
GEV 05LL MK10x1	5	M8x1.0	<a href="#">151TA7026</a>
GEV 06LL MK6x1	6	M6x1.0	<a href="#">151TA7027</a>
GEV 06LL MK8x1	6	M8x1.0	<a href="#">151TA7028</a>
GEV 06LL MK10x1	6	M10x1.0	<a href="#">151TA7029</a>
GEV 08LL MK10x1	8	M10x1.0	<a href="#">151TA7030</a>

### LIGHT

GEV 06L MK12x1.5	6	M12x 1.5	<a href="#">151TA7031</a>
GEV 08L MK10x1	8	M10x1	<a href="#">168TA2550</a>
GEV 08L MK12x1.5	8	M12x1.5	<a href="#">151TA7032</a>
GEV 08L MK14x1.5	8	M14x1.5	<a href="#">151TA7033</a>

## BSPT - CUTTING RING THREAD

Description	A mm	B	REF
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Description	A mm	B	REF
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GEV 12L RK1/2	12	G 1/2	<a href="#">151TA6767</a>
GEV 13L RK1/4	13	G 1/4	<a href="#">151TA6768</a>
GEV 13L RK3/8	13	G 3/8	<a href="#">151TA6769</a>
GEV 13L RK1/2	13	G 1/2	<a href="#">151TA6770</a>
GEV 14L RK3/8	14	G 3/8	<a href="#">151TA6771</a>
GEV 14L RK1/2	14	G 1/2	<a href="#">151TA6772</a>
GEV 15L RK3/8	15	G 3/8	<a href="#">151TA6773</a>
GEV 15L RK1/2	15	G 1/2	<a href="#">151TA6774</a>
GEV 17L RK1/4	17	G 1/4	<a href="#">151TA6775</a>
GEV 17L RK3/8	17	G 3/8	<a href="#">151TA6776</a>
GEV 17L RK1/2	17	G 1/2	<a href="#">151TA6777</a>
GEV 17L RK3/4	17	G 3/4	<a href="#">151TA6778</a>
GEV 18L RK3/4	18	G 3/4	<a href="#">151TA6779</a>
GEV 21L RK1/2	21	G 1/2	<a href="#">151TA6780</a>
GEV 21L RK3/4	21	G 3/4	<a href="#">151TA6781</a>
GEV 27L RK3/4	27	G 3/4	<a href="#">151TA6782</a>
GEV 27L RK1	27	G 1	<a href="#">151TA6783</a>

### HEAVY-DUTY

GEV 06S RK1/4	6	G 1/4	<a href="#">151TA6784</a>
GEV 12S RK3/8	12	G 3/8	<a href="#">151TA6785</a>
GEV 14N RK3/8	14	G 3/8	<a href="#">151TA6786</a>
GEV 14N RK1/2	14	G 1/2	<a href="#">151TA6787</a>
GEV 16S RK1/2	16	G 1/2	<a href="#">151TA6788</a>
GEV 20S RK3/4	20	G 3/4	<a href="#">151TA6789</a>

### ULTRA-LIGHT

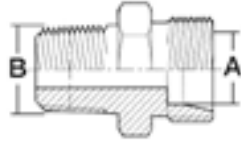
GEV 04LL RK1/8	4	G 1/8	<a href="#">151TA6751</a>
GEV 05LL RK1/8	5	G 1/8	<a href="#">151TA6752</a>
GEV 06LL RK1/8	6	G 1/8	<a href="#">151TA6753</a>
GEV 08LL RK1/8	8	G 1/8	<a href="#">151TA6754</a>
GEV 08LL RK1/4	8	G 1/4	<a href="#">151TA6755</a>

### LIGHT

GEV 06L RK1/8	6	G 1/8	<a href="#">151TA6756</a>
GEV 06L RK1/4	6	G 1/4	<a href="#">151TA6757</a>
GEV 08L RK1/8	8	G 1/8	<a href="#">151TA6758</a>
GEV 08L RK1/4	8	G 1/4	<a href="#">151TA6759</a>
GEV 08L RK3/8	8	G 3/8	<a href="#">151TA6760</a>
GEV 10L RK1/8	10	G 1/8	<a href="#">151TA6761</a>
GEV 10L RK1/4	10	G 1/4	<a href="#">151TA6762</a>
GEV 10L RK3/8	10	G 3/8	<a href="#">151TA6763</a>
GEV 10L RK1/2	10	G 1/2	<a href="#">151TA6764</a>
GEV 12L RK1/4	12	G 1/4	<a href="#">151TA6765</a>
GEV 12L RK3/8	12	G 3/8	<a href="#">151TA6766</a>

## MALE NPT - CUTTING RING THREAD

Description	A mm	B NPT	REF
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### ULTRA-LIGHT

GEV 04LL 1/8NPT	4	1/8	<a href="#">151TA7266</a>
GEV 05LL 1/8NPT	5	1/8	<a href="#">151TA7267</a>
GEV 06LL 1/8NPT	6	1/8	<a href="#">151TA7268</a>
GEV 08LL 1/8NPT	8	1/8	<a href="#">151TA7269</a>

### LIGHT

GEV 06L 1/8NPT	6	1/8	<a href="#">151TA7270</a>
GEV 06L 1/4NPT	6	1/4	<a href="#">151TA7271</a>
GEV 08L 1/8NPT	8	1/8	<a href="#">151TA7272</a>
GEV 08L 1/4NPT	8	1/4	<a href="#">151TA7273</a>
GEV 08L 3/8NPT	8	3/8	<a href="#">151TA7274</a>
GEV 10L 1/4NPT	10	1/4	<a href="#">151TA7275</a>
GEV 10L 3/8NPT	10	3/8	<a href="#">151TA7276</a>
GEV 10L 1/2NPT	10	1/2	<a href="#">151TA7277</a>
GEV 12L 1/4NPT	12	1/4	<a href="#">151TA7278</a>
GEV 12L 3/8NPT	12	3/8	<a href="#">151TA7279</a>
GEV 12L 1/2NPT	12	1/2	<a href="#">151TA7280</a>
GEV 13L 1/4NPT	13	1/4	<a href="#">151TA7281</a>

Description	A mm	B NPT	REF
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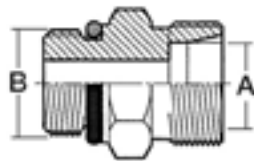
GEV 15L 1/2NPT	15	1/2	<a href="#">151TA7282</a>
GEV 17L 1/2NPT	17	1/2	<a href="#">151TA7283</a>
GEV 18L 1/2NPT	18	1/2	<a href="#">151TA7284</a>
GEV 21L 1/2NPT	21	1/2	<a href="#">151TA7285</a>
GEV 21L 3/4NPT	21	3/4	<a href="#">151TA7286</a>
GEV 22L 3/4NPT	22	3/4	<a href="#">151TA7287</a>
GEV 27L 3/4NPT	27	3/4	<a href="#">151TA7288</a>
GEV 27L1NPT	27	1	<a href="#">151TA7289</a>
GEV 28L 1NPT	28	1	<a href="#">151TA7290</a>
GEV 35L 1 1/4NPT	35	1 1/4	<a href="#">151TA7291</a>
GEV 42L 1 1/2NPT	42	1 1/2	<a href="#">151TA7292</a>

### HEAVY-DUTY

GEV 06S 1/4NPT	6	1/4	<a href="#">151TA7293</a>
GEV 08S 1/4NPT	8	1/4	<a href="#">151TA7294</a>
GEV 10S 1/4NPT	10	1/4	<a href="#">151TA7295</a>
GEV 10S 3/8NPT	10	3/8	<a href="#">151TA7296</a>
GEV 12S 1/4NPT	12	1/4	<a href="#">151TA7297</a>
GEV 12S 3/8NPT	12	3/8	<a href="#">151TA7298</a>
GEV 12S 1/2NPT	12	1/2	<a href="#">151TA7299</a>
GEV 14S 1/2NPT	14	1/2	<a href="#">151TA7300</a>
GEV 16S 1/2NPT	16	1/2	<a href="#">151TA7301</a>
GEV 20S 3/4NPT	20	3/4	<a href="#">151TA7302</a>
GEV 25S 1NPT	25	1	<a href="#">151TA7303</a>
GEV 30S 1 1/4NPT	30	1 1/4	<a href="#">151TA7304</a>
GEV 38S 1 1/2NPT	38	1 1/2	<a href="#">151TA7305</a>

## MALE SAE - CUTTING RING THREAD

Description	A mm	B	REF
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### LIGHT

GEV 6L 9/16 18UNF	6	9/16"	<a href="#">151TA6790</a>
GEV 8L 7/16 20UNF	8	7/16"	<a href="#">151TA6791</a>
GEV 8L 9/16 18UNF	8	9/16"	<a href="#">151TA6792</a>
GEV 8L 3/4 16UNF	8	3/4"	<a href="#">168TA2546</a>
GEV 10L 7/16 20UNF	10	7/16"	<a href="#">151TA6793</a>
GEV 10L 9/16 18UNF	10	9/16"	<a href="#">151TA6794</a>
GEV 10L 3/4 16UNF	10	3/4"	<a href="#">151TA6795</a>
GEV 12L 9/16 18UNF	12	9/16"	<a href="#">151TA6796</a>
GEV 12L 3/4 16UNF	12	3/4"	<a href="#">151TA6797</a>
GEV 12L 7/8 14UNF	12	7/8"	<a href="#">151TA6798</a>
GEV 13L 9/16 18UNF	13	9/16"	<a href="#">151TA6799</a>
GEV 13L 3/4 16UNF	13	3/4"	<a href="#">151TA6800</a>
GEV 15L 3/4 16UNF	15	3/4"	<a href="#">151TA6801</a>

Description	A mm	B	REF
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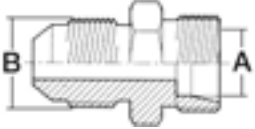
GEV 15L 7/8 14UNF	15	7/8"	<a href="#">151TA6802</a>
GEV 18L 3/4 16UNF	18	3/4"	<a href="#">151TA6803</a>
GEV 18L 7/8 14UNF	18	7/8"	<a href="#">151TA6804</a>
GEV 22L 7/8 14UNF	22	7/8"	<a href="#">151TA6805</a>
GEV 22L 1 1/16 20UNF	22	1 1/16"	<a href="#">151TA6806</a>
GEV 28L 7/8 14UNF	28	7/8"	<a href="#">151TA6807</a>
GEV 28L 1 5/16 12UNF	28	1 5/16"	<a href="#">151TA6808</a>
GEV 35L 1 5/8 12UNF	35	1 5/8"	<a href="#">151TA6809</a>
GEV 42L 1 5/8 12UNF	42	1 5/8"	<a href="#">151TA6810</a>

### HEAVY-DUTY


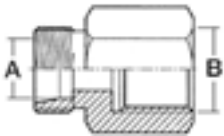
GEV 08S 7/16 20UNF	8	7/16"	<a href="#">151TA6811</a>
GEV 12S 3/4 16UNF	12	3/4"	<a href="#">151TA6812</a>
GEV 16S 3/4 16UNF	16	3/4"	<a href="#">151TA6813</a>
GEV 16S 7/8 14UNF	16	7/8"	<a href="#">151TA6814</a>
GEV 20S 3/4 16UNF	20	3/4"	<a href="#">151TA6815</a>
GEV 20S 7/8 14UNF	20	7/8"	<a href="#">151TA6816</a>
GEV 20S 1 1/16 20UNF	20	1 1/16"	<a href="#">151TA6817</a>
GEV 25S 1 5/16 12UNF	25	1 5/16"	<a href="#">151TA6818</a>
GEV 30S 1 5/8 12UNF	30	1 5/8"	<a href="#">151TA6819</a>

# CUTTING RING FITTINGS

## MALE JIC - CUTTING RING THREAD

Description	A mm	B	REF
			
UM 13-9/16 JIC NU	13	9/16-18	<a href="#">151TA6850</a>
UM 13-3/4 JIC NU	13	3/4-16	<a href="#">151TA6851</a>
UM 15-7/8 JIC NU	15	7/8-14	<a href="#">151TA6852</a>

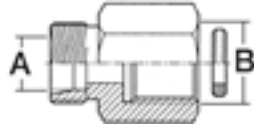
## MALE CUTTING RING THREAD - FEMALE BSP

Description	A mm	B	REF
			
<b>LIGHT</b>			
GAV 06L R1/8	6	1/8	<a href="#">151TA6853</a>
GAV 08L R1/4	8	1/4	<a href="#">151TA6854</a>
GAV 08L R1/2	8	1/2	<a href="#">151TA6855</a>
GAV 10L R1/4	10	1/4	<a href="#">151TA6856</a>
GAV 10L R3/8	10	3/8	<a href="#">151TA6857</a>
GAV 12L R1/4	12	1/4	<a href="#">151TA6858</a>
GAV 12L R3/8	12	3/8	<a href="#">151TA6859</a>
GAV 12L R1/2	12	1/2	<a href="#">151TA6860</a>
GAV 13L R1/4	13	1/4	<a href="#">151TA6861</a>
GAV 13L R3/8	13	3/8	<a href="#">151TA6862</a>
GAV 13L R1/2	13	1/2	<a href="#">151TA6863</a>
GAV 15L R1/2	15	1/2	<a href="#">151TA6864</a>
GAV 17L R3/8	17	3/8	<a href="#">151TA6865</a>
GAV 17L R1/2	17	1/2	<a href="#">151TA6866</a>
GAV 18L R1/2	18	1/2	<a href="#">151TA6867</a>

Description	A mm	B	REF
GAV 22L R3/4	22	3/4	<a href="#">151TA6868</a>
GAV 28L R1	28	1	<a href="#">151TA6869</a>
GAV 35L R1 1/4	35	1 1/4	<a href="#">151TA6870</a>
GAV 42L R1 1/2	42	1 1/2	<a href="#">151TA6871</a>
<b>HEAVY-DUTY</b>			
GAV 06S R1/4	6	1/4	<a href="#">151TA6872</a>
GAV 08S R1/4	8	1/4	<a href="#">151TA6873</a>
GAV 10S R3/8	10	3/8	<a href="#">151TA6874</a>
GAV 12S R1/4	12	1/4	<a href="#">151TA6875</a>
GAV 12S R3/8	12	3/8	<a href="#">151TA6876</a>
GAV 14S R1/2	14	1/2	<a href="#">151TA6877</a>
GAV 16S R1/2	16	1/2	<a href="#">151TA6878</a>
GAV 20S R3/4	20	3/4	<a href="#">151TA6879</a>
GAV 25S R1	25	1	<a href="#">151TA6880</a>
GAV 30S R1 1/4	30	1 1/4	<a href="#">151TA6881</a>
GAV 38S R1 1/2	38	1 1/2	<a href="#">151TA6882</a>

## CUTTING RING THREAD - GAUGE FEMALE

Description	A mm	B	REF
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### LIGHT

MAV 06L R1/4	6	1/4	<a href="#">151TA6883</a>
MAV 08L R1/4	8	1/4	<a href="#">151TA6884</a>
MAV 10L R1/4	10	1/4	<a href="#">151TA6885</a>
MAV 12L R1/4	12	1/4	<a href="#">151TA6886</a>

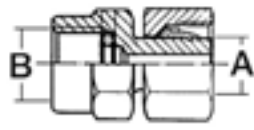
Description	A mm	B	REF
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### HEAVY-DUTY

MAV 06S R1/2	6	1/2	<a href="#">151TA6887</a>
MAV 08S R1/2	8	1/2	<a href="#">151TA6888</a>
MAV 10S R1/2	10	1/2	<a href="#">151TA6889</a>
MAV 12S R1/2	12	1/2	<a href="#">151TA6890</a>

## PRESSURE GAUGE FITTING WITH FLAT END

Description	A mm	B	REF
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### LIGHT

EMAS 06L R1/4 SV	6	1/4	<a href="#">151TA6891</a>
EMAS 08L R1/4 SV	8	1/4	<a href="#">151TA6892</a>
EMAS 10L R1/4 SV	10	1/4	<a href="#">151TA6893</a>
EMAS 12L R1/4 SV	12	1/4	<a href="#">151TA6894</a>

### HEAVY-DUTY

EMAS 06S R1/2 SV	6	1/2	<a href="#">151TA6895</a>
EMAS 08S R1/2 SV	8	1/2	<a href="#">151TA6896</a>
EMAS 10S R1/2 SV	10	1/2	<a href="#">151TA6897</a>
EMAS 12S R1/2 SV	12	1/2	<a href="#">151TA6898</a>

# CUTTING RING FITTINGS

## MALE GAS - FEMALE CUTTING RING THREAD

Description	A mm	B	REF
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### LIGHT

EGES 06 L R1/8 SV	6	1/8	<a href="#">151TA6899</a>
EGES 08 L R1/4 SV	8	1/4	<a href="#">151TA6900</a>
EGES 10 L R1/4 SV	10	1/4	<a href="#">151TA6901</a>
EGES 12 L R1/4 SV	12	1/4	<a href="#">151TA6902</a>
EGES 12 L R3/8 SV	12	3/8	<a href="#">151TA6903</a>
EGES 12 L R1/2 SV	12	1/2	<a href="#">151TA6904</a>
EGES 13 L R1/4 SV	13	1/4	<a href="#">151TA6905</a>
EGES 13 L R3/8 SV	13	3/8	<a href="#">151TA6906</a>
EGES 13 L R1/2 SV	13	1/2	<a href="#">151TA6907</a>
EGES 15 L R3/8 SV	15	3/8	<a href="#">151TA6908</a>
EGES 15 L R1/2 SV	15	1/2	<a href="#">151TA6909</a>
EGES 17 L R3/8 SV	17	3/8	<a href="#">151TA6910</a>
EGES 17 L R1/2 SV	17	1/2	<a href="#">151TA6911</a>
EGES 18 L R1/2 SV	18	1/2	<a href="#">151TA6912</a>
EGES 21 L R1/2 SV	21	1/2	<a href="#">151TA6913</a>

Description	A mm	B	REF
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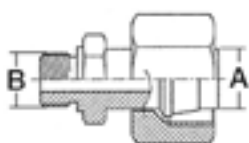
EGES 21 L R3/4 SV	21	3/4	<a href="#">151TA6914</a>
EGES 22 L R3/4 SV	22	3/4	<a href="#">151TA6915</a>
EGES 27 L R3/4 SV	27	3/4	<a href="#">151TA6916</a>
EGES 28 L R1 SV	28	1	<a href="#">151TA6917</a>
EGES 35 L R1 1/4 SV	35	1 1/4	<a href="#">151TA6918</a>
EGES 42 L R1 1/2 SV	42	1 1/2	<a href="#">151TA6919</a>

### HEAVY-DUTY

EGES 06 S R1/4 SV	6	1/4	<a href="#">151TA6920</a>
EGES 08 S R1/4 SV	8	1/4	<a href="#">151TA6921</a>
EGES 10 S R3/8 SV	10	3/8	<a href="#">151TA6922</a>
EGES 12 S R3/8 SV	12	3/8	<a href="#">151TA6923</a>
EGES 12 S R1/2 SV	12	1/2	<a href="#">151TA6924</a>
EGES 14 S R1/2 SV	14	1/2	<a href="#">151TA6925</a>
EGES 16 S R1/2 SV	16	1/2	<a href="#">151TA6926</a>
EGES 16 S R3/4 SV	16	3/4	<a href="#">151TA6927</a>
EGES 20 S R3/4 SV	20	3/4	<a href="#">151TA6928</a>
EGES 25 S R1 SV	25	1	<a href="#">151TA6929</a>
EGES 30 S R1 1/4 SV	30	1 1/4	<a href="#">151TA6930</a>
EGES 38 S R1 1/2 SV	38	1 1/2	<a href="#">151TA6931</a>

## MALE METRIC - FEMALE CUTTING RING THREAD

Description	A mm	B	REF
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### LIGHT

EGES 06L M10x1.0 SV	6	M10x1.0	<a href="#">151TA6963</a>
EGES 08L M10x1	8	M10x1	<a href="#">168TA2547</a>
EGES 08L M12x1.5 SV	8	M12x1.5	<a href="#">151TA6964</a>
EGES 08L M14x1.5 SV	8	M14x1.5	<a href="#">151TA6965</a>
EGES 10L M12x1.5	10	M12x1.5	<a href="#">168TA2548</a>
EGES 10L M14x1.5 SV	10	M14x1.5	<a href="#">151TA6966</a>
EGES 10L M16x1.5 SV	10	M16x1.5	<a href="#">168TA1925</a>
EGES 12L M16x1.5 SV	12	M16x1.5	<a href="#">151TA6968</a>
EGES 12L M18x1.5 SV	12	M18x1.5	<a href="#">151TA6969</a>
EGES 13L M16x1.5 SV	13	M16x1.5	<a href="#">151TA6970</a>
EGES 13L M18x1.5 SV	13	M18x1.5	<a href="#">151TA6971</a>
EGES 13L M22x1.5 SV	13	M22x1.5	<a href="#">151TA6972</a>
EGES 15L M18x1.5 SV	15	M18x1.5	<a href="#">151TA6973</a>
EGES 15L M22x1.5 SV	15	M22x1.5	<a href="#">151TA6974</a>
EGES 18L M18x1.5 SV	17	M18x1.5	<a href="#">151TA6975</a>
EGES 18L M22x1.5 SV	18	M22x1.5	<a href="#">151TA6976</a>

Description	A mm	B	REF
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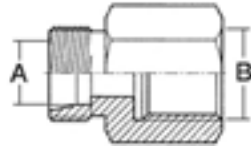
EGES 22L M26x1.5 SV	22	M26x1.5	<a href="#">151TA6977</a>
EGES 28L M33x2.0 SV	28	M33x2.0	<a href="#">151TA6978</a>
EGES 35L M42x2.0 SV	35	M42x2.0	<a href="#">151TA6979</a>
EGES 42L M48x2.0 SV	42	M48x2.0	<a href="#">151TA6980</a>

### HEAVY-DUTY

EGES 06S M10x1 SV	6	M10x1	<a href="#">168TA1926</a>
EGES 06S M12x1.5 SV	6	M12x1.5	<a href="#">151TA6981</a>
EGES 08S M14x1.5 SV	8	M14x1.5	<a href="#">151TA6982</a>
EGES 10S M14x1.5 SV	10	M14x1.5	<a href="#">168TA1927</a>
EGES 10S M16x1.5 SV	10	M16x1.5	<a href="#">151TA6983</a>
EGES 12S M 16x1.5 SV	12	M16x1.5	<a href="#">168TA1928</a>
EGES 12S M18x1.5 SV	12	M18x1.5	<a href="#">151TA6984</a>
EGES 12S M 22x1.5 SV	12	M22x1.5	<a href="#">168TA1929</a>
EGES 14S M20x1.5 SV	14	M20x1.5	<a href="#">151TA6985</a>
EGES 14S M22x1.5 SV	14	M22x1.5	<a href="#">151TA6986</a>
EGES 16S M22x1.5 SV	16	M22x1.5	<a href="#">151TA6987</a>
EGES 20SL M16x1.5	20	M16x1.5	<a href="#">168TA2549</a>
EGES 20S M27x2.0 SV	20	M27x2.0	<a href="#">151TA6988</a>
EGES 25S M33x2.0 SV	25	M33x2.0	<a href="#">151TA6989</a>
EGES 30S M42x2.0 SV	30	M42x2.0	<a href="#">151TA6990</a>
EGES 38S M48x2.0 SV	38	M48x2.0	<a href="#">151TA6991</a>

## CUTTING RING THREAD - FEMALE METRIC

Description	A mm	B	REF
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### LIGHT

GAV 06L M10x1.0	6	M10x1.0	<a href="#">151TA7003</a>
GAV 08L M12x1.5	8	M12x1.5	<a href="#">151TA7004</a>
GAV 10L M14x1.5	10	M14x1.5	<a href="#">151TA7005</a>
GAV 12L M16x1.5	12	M16x1.5	<a href="#">151TA7006</a>
GAV 15L M18x1.5	15	M18x1.5	<a href="#">151TA7007</a>
GAV 18L M22x1.5	18	M22x1.5	<a href="#">151TA7008</a>
GAV 22L M26x1.5	22	M26x1.5	<a href="#">151TA7009</a>
GAV 28L M33x2.0	28	M33x2.0	<a href="#">151TA7010</a>
GAV 35L M42x2.0	35	M42x2.0	<a href="#">151TA7011</a>
GAV 42L M48x2.0	42	M48x2.0	<a href="#">151TA7012</a>

### HEAVY-DUTY

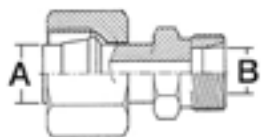
GAV 06S M12x1.5	6	M12x1.5	<a href="#">151TA7013</a>
GAV 08S M14x1.5	8	M14x1.5	<a href="#">151TA7014</a>
GAV 10S M16x1.5	10	M16x1.5	<a href="#">151TA7015</a>
GAV 12S M18x1.5	12	M18x1.5	<a href="#">151TA7016</a>

Description	A mm	B	REF
GAV 14S M20x1.5	14	M20x1.5	<a href="#">151TA7017</a>
GAV 16S M22x1.5	16	M22x1.5	<a href="#">151TA7018</a>
GAV 20S M27x2.0	20	M27x2.0	<a href="#">151TA7019</a>
GAV 25S M33x2.0	25	M33x2.0	<a href="#">151TA7020</a>
GAV 30S M42x2.0	30	M42x2.0	<a href="#">151TA7021</a>
GAV 38S M48x2.0	38	M48x2.0	<a href="#">151TA7022</a>

# CUTTING RING FITTINGS

## FEMALE CUTTING RING THREAD - CUTTING RING THREAD

Description	A mm	B mm	REF
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### LIGHT

REDV 08/06L SV	8	6	<a href="#">151TA7039</a>
REDV 10/06L SV	10	6	<a href="#">151TA7040</a>
REDV 10/08L SV	10	8	<a href="#">151TA7041</a>
REDV 10/13N SV	10	13	<a href="#">151TA7042</a>
REDV 12/06L SV	12	6	<a href="#">151TA7043</a>
REDV 12/08L SV	12	8	<a href="#">151TA7044</a>
REDV 12/10L SV	12	10	<a href="#">151TA7045</a>
REDV 12/12L SV	12	12	<a href="#">151TA7046</a>
REDV 12/13N SV	12	13	<a href="#">151TA7047</a>
REDV 12/15L SV	12	15	<a href="#">151TA7048</a>
REDV 13/10L SV	13	10	<a href="#">151TA7049</a>
REDV 13/12L SV	13	12	<a href="#">151TA7050</a>
REDV 13/13N SV	13	13	<a href="#">151TA7051</a>
REDV 13/15L SV	13	15	<a href="#">151TA7052</a>
REDV 13/17N SV	13	17	<a href="#">151TA7053</a>
REDV 15/06L SV	15	6	<a href="#">151TA7054</a>
REDV 15/08L SV	15	8	<a href="#">151TA7055</a>
REDV 15/10L SV	15	10	<a href="#">151TA7056</a>
REDV 15/12L SV	15	12	<a href="#">151TA7057</a>
REDV 15/13N SV	15	13	<a href="#">151TA7058</a>
REDV 17/12L SV	17	12	<a href="#">151TA7059</a>
REDV 17/13N SV	17	13	<a href="#">151TA7060</a>
REDV 17/15L SV	17	15	<a href="#">151TA7061</a>
REDV 17/17L SV	17	17	<a href="#">151TA7062</a>
REDV 18/06L SV	18	6	<a href="#">151TA7063</a>
REDV 18/08L SV	18	8	<a href="#">151TA7064</a>
REDV 18/10L SV	18	10	<a href="#">151TA7065</a>
REDV 18/12L SV	18	12	<a href="#">151TA7066</a>
REDV 18/15L SV	18	15	<a href="#">151TA7067</a>
REDV 22/06L SV	22	6	<a href="#">151TA7068</a>
REDV 22/08L SV	22	8	<a href="#">151TA7069</a>
REDV 22/10L SV	22	10	<a href="#">151TA7070</a>
REDV 22/12L SV	22	12	<a href="#">151TA7071</a>
REDV 22/15L SV	22	15	<a href="#">151TA7072</a>
REDV 22/18L SV	22	18	<a href="#">151TA7073</a>
REDV 28/12L SV	28	12	<a href="#">151TA7074</a>
REDV 28/15L SV	28	15	<a href="#">151TA7075</a>
REDV 28/18L SV	28	18	<a href="#">151TA7076</a>
REDV 28/22L SV	28	22	<a href="#">151TA7077</a>
REDV 35/28L SV	35	28	<a href="#">151TA7078</a>

### HEAVY-DUTY

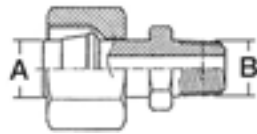
REDV 08/06S SV	8	6	<a href="#">151TA7124</a>
REDV 10/06S SV	10	6	<a href="#">151TA7125</a>
REDV 10/08S SV	10	8	<a href="#">151TA7126</a>

Description	A mm	B mm	REF
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REDV 12/06S SV	12	6	<a href="#">151TA7127</a>
REDV 12/08S SV	12	8	<a href="#">151TA7128</a>
REDV 12/10S SV	12	10	<a href="#">151TA7129</a>
REDV 14/06S SV	14	6	<a href="#">151TA7130</a>
REDV 14/08S SV	14	8	<a href="#">151TA7131</a>
REDV 14/12S SV	14	12	<a href="#">151TA7132</a>
REDV 16/06S SV	16	6	<a href="#">151TA7133</a>
REDV 16/08S SV	16	8	<a href="#">151TA7134</a>
REDV 16/10S SV	16	10	<a href="#">151TA7135</a>
REDV 16/12S SV	16	12	<a href="#">151TA7136</a>
REDV 16/14S SV	16	14	<a href="#">151TA7137</a>
REDV 20/06S SV	20	6	<a href="#">151TA7138</a>
REDV 20/08S SV	20	8	<a href="#">151TA7139</a>
REDV 20/10S SV	20	10	<a href="#">151TA7140</a>
REDV 20/12S SV	20	12	<a href="#">151TA7141</a>
REDV 20/16S SV	20	16	<a href="#">151TA7142</a>
REDV 25/06S SV	25	6	<a href="#">151TA7143</a>
REDV 25/08S SV	25	8	<a href="#">151TA7144</a>
REDV 25/10S SV	25	10	<a href="#">151TA7145</a>
REDV 25/12S SV	25	12	<a href="#">151TA7146</a>
REDV 25/14S SV	25	14	<a href="#">151TA7147</a>
REDV 25/16S SV	25	16	<a href="#">151TA7148</a>
REDV 30/12S SV	30	20	<a href="#">151TA7153</a>
REDV 25/20S SV	25	6	<a href="#">151TA7149</a>
REDV 30/06S SV	30	8	<a href="#">151TA7150</a>
REDV 30/08S SV	30	10	<a href="#">151TA7151</a>
REDV 30/10S SV	30	12	<a href="#">151TA7152</a>
REDV 30/14S SV	30	14	<a href="#">151TA7154</a>
REDV 30/16S SV	30	16	<a href="#">151TA7155</a>
REDV 30/20S SV	30	20	<a href="#">151TA7156</a>
REDV 30/25S SV	30	25	<a href="#">151TA7157</a>
REDV 38/06S SV	38	6	<a href="#">151TA7158</a>
REDV 38/08S SV	38	8	<a href="#">151TA7159</a>
REDV 38/10S SV	38	10	<a href="#">151TA7160</a>
REDV 38/12S SV	38	12	<a href="#">151TA7161</a>
REDV 38/14S SV	38	14	<a href="#">151TA7162</a>
REDV 38/16S SV	38	16	<a href="#">151TA7163</a>
REDV 38/20S SV	38	20	<a href="#">151TA7164</a>
REDV 38/25S SV	38	25	<a href="#">151TA7165</a>
REDV 38/30S SV	38	30	<a href="#">151TA7166</a>

## FEMALE CUTTING RING THREAD - MALE NPT

Description	A mm	B	REF
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### LIGHT

EGES 06L 1/8NPT SV	6	1/8	<a href="#">151TA7212</a>
EGES 08L 1/4NPT SV	8	1/4	<a href="#">151TA7213</a>
EGES 08L 3/8NPT SV	8	3/8	<a href="#">151TA7214</a>
EGES 10L 1/4NPT SV	10	1/4	<a href="#">151TA7215</a>
EGES 10L 3/8NPT SV	10	3/8	<a href="#">151TA7216</a>
EGES 10L 1/2NPT SV	10	1/2	<a href="#">151TA7217</a>
EGES 12L 1/4NPT SV	12	1/4	<a href="#">151TA7218</a>
EGES 12L 3/8NPT SV	12	3/8	<a href="#">151TA7219</a>
EGES 12L 1/2NPT SV	12	1/2	<a href="#">151TA7220</a>
EGES 13N 1/4NPT SV	13	1/4	<a href="#">151TA7221</a>
EGES 13N 3/8NPT SV	13	3/8	<a href="#">151TA7222</a>
EGES 13N 1/2NPT SV	13	1/2	<a href="#">151TA7223</a>
EGES 15L 3/8NPT SV	15	3/8	<a href="#">151TA7224</a>

Description	A mm	B	REF
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EGES 15L 1/2NPT SV	15	1/2	<a href="#">151TA7225</a>
EGES 17N 3/8NPT SV	17	3/8	<a href="#">151TA7226</a>
EGES 17N 1/2NPT SV	17	1/2	<a href="#">151TA7227</a>
EGES 17N 3/4NPT SV	17	3/4	<a href="#">151TA7228</a>
EGES 18L 1/2NPT SV	18	1/2	<a href="#">151TA7229</a>
EGES 22L 3/4NPT SV	22	3/4	<a href="#">151TA7230</a>
EGES 28L 1NPT SV	28	1	<a href="#">151TA7231</a>
EGES 35L 1 1/4NPT SV	35	1 1/4	<a href="#">151TA7232</a>
EGES 42L 1 1/2NPT SV	42	1 1/2	<a href="#">151TA7233</a>

### HEAVY-DUTY

EGES 06S 1/4NPT SV	6	1/4	<a href="#">151TA7234</a>
EGES 08S 1/4NPT SV	8	1/4	<a href="#">151TA7235</a>
EGES 10S 3/8NPT SV	10	3/8	<a href="#">151TA7236</a>
EGES 12S 3/8NPT SV	12	3/8	<a href="#">151TA7237</a>
EGES 14S 1/2NPT SV	14	1/2	<a href="#">151TA7238</a>
EGES 16S 1/2NPT SV	16	1/2	<a href="#">151TA7239</a>
EGES 20S 3/4NPT SV	20	3/4	<a href="#">151TA7240</a>
EGES 25S 1NPT SV	25	1	<a href="#">151TA7241</a>
EGES 30S 1 1/4NPT SV	30	1 1/4	<a href="#">151TA7242</a>
EGES 38S 1 1/2NPT SV	38	1 1/2	<a href="#">151TA7243</a>

## FEMALE CUTTING RING THREAD - FEMALE CUTTING RING THREAD

Description	A mm	B mm	REF
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### LIGHT

NV 06L	6	6	<a href="#">151TA7306</a>
NV 08L	8	8	<a href="#">151TA7307</a>
NV 10L	10	10	<a href="#">151TA7308</a>
NV 12L-10L	12	10	<a href="#">151TA7309</a>
NV 12L	12	12	<a href="#">151TA7310</a>
NV 13N-12L	13	12	<a href="#">151TA7311</a>
NV 13N	13	13	<a href="#">151TA7312</a>
NV 15L-13N	15	13	<a href="#">151TA7313</a>
NV 15L	15	15	<a href="#">151TA7314</a>
NV 17N-13N	17	13	<a href="#">151TA7315</a>
NV 17N-15L	17	15	<a href="#">151TA7316</a>
NV 17N	17	17	<a href="#">151TA7317</a>
NV 18L	18	18	<a href="#">151TA7318</a>

Description	A mm	B mm	REF
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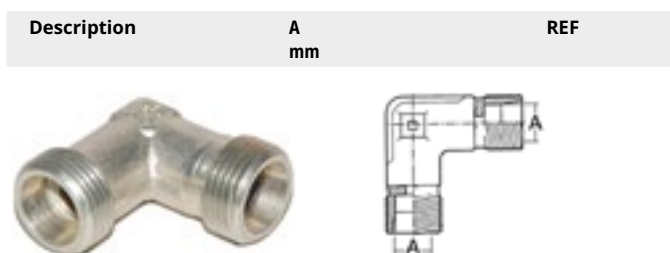
NV 22L	22	22	<a href="#">151TA7319</a>
NV 28L	28	28	<a href="#">151TA7320</a>

### HEAVY-DUTY

NV 06S	6	6	<a href="#">151TA7322</a>
NV 08S	8	8	<a href="#">151TA7323</a>
NV 10S	10	10	<a href="#">151TA7324</a>
NV 12S	12	12	<a href="#">151TA7325</a>
NV 14S	14	14	<a href="#">151TA7326</a>
NV 16S	16	16	<a href="#">151TA7327</a>
NV 20S	20	20	<a href="#">151TA7328</a>
NV 25S	25	25	<a href="#">151TA7329</a>
NV 30S	30	30	<a href="#">151TA7330</a>
NV 38S	38	38	<a href="#">151TA7331</a>

# CUTTING RING FITTINGS

## 90° CUTTING RING THREADED



### ULTRA-LIGHT

Description	A mm	REF
WV 04LL	4	<a href="#">151TA7552</a>
WV 06LL	6	<a href="#">151TA7553</a>
WV 08LL	8	<a href="#">151TA7554</a>

### LIGHT

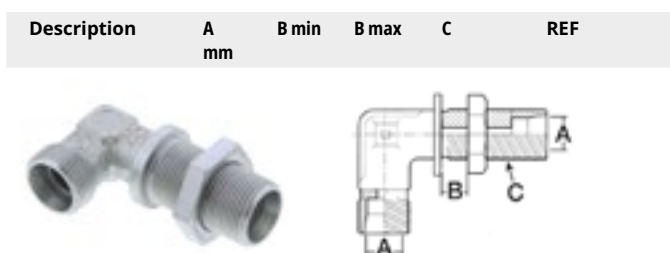
WV 06L	6	<a href="#">151TA7555</a>
WV 08L	8	<a href="#">151TA7556</a>
WV 08/06L	8-6	<a href="#">151TA7557</a>
WV 10L	10	<a href="#">151TA7558</a>
WV 12L	12	<a href="#">151TA7560</a>
WV 13L	13	<a href="#">151TA7562</a>
WV 14N	14	<a href="#">151TA7563</a>
WV 15L	15	<a href="#">151TA7564</a>
WV 17L	17	<a href="#">151TA7565</a>
WV 18L	18	<a href="#">151TA7566</a>
WV 21L	21	<a href="#">151TA7567</a>

Description	A mm	REF
WV 22L	22	<a href="#">151TA7568</a>
WV 27L	27	<a href="#">151TA7569</a>
WV 28L	28	<a href="#">151TA7570</a>
WV 33L	33	<a href="#">151TA7571</a>
WV 35L	35	<a href="#">151TA7572</a>
WV 42L	42	<a href="#">151TA7573</a>

### HEAVY-DUTY

WV 06S	6	<a href="#">151TA7574</a>
WV 08S	8	<a href="#">151TA7575</a>
WV 10S	10	<a href="#">151TA7576</a>
WV 12S	12	<a href="#">151TA7577</a>
WV 14S	14	<a href="#">151TA7578</a>
WV 16S	16	<a href="#">151TA7579</a>
WV 20S	20	<a href="#">151TA7580</a>
WV 25S	25	<a href="#">151TA7581</a>
WV 30S	30	<a href="#">151TA7582</a>
WV 38S	38	<a href="#">151TA7583</a>

## 90° BULKHEAD CUTTING RING THREAD



### LIGHT

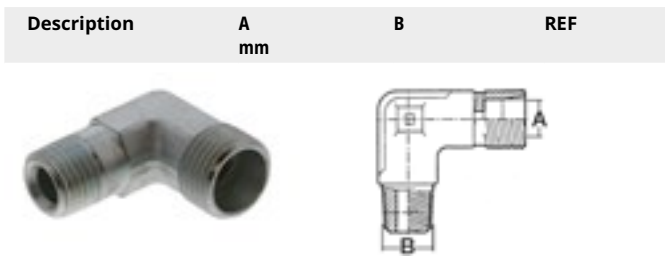
Description	A mm	B min	B max	C	REF
WSV 06L	6	4	16	M12x1.5	<a href="#">151TA7584</a>
WSV 08L	8	4	16	M14x1.5	<a href="#">151TA7585</a>
WSV 10L	10	4	16	M16x1.5	<a href="#">151TA7586</a>
WSV 12L	12	4	16	M18x1.5	<a href="#">151TA7587</a>
WSV 15L	15	4	16	M22x1.5	<a href="#">151TA7588</a>
WSV 18L	18	4	16	M26x1.5	<a href="#">151TA7589</a>
WSV 22L	22	5	16	M30x2.0	<a href="#">151TA7590</a>
WSV 28L	28	5	16	M36x2.0	<a href="#">151TA7591</a>
WSV 35L	35	5	16	M45x2.0	<a href="#">151TA7592</a>
WSV 42L	42	5	16	M52x2.0	<a href="#">151TA7593</a>

### HEAVY-DUTY

WSV 06S	6	4	16	M14x1.5	<a href="#">151TA7594</a>
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Description	A mm	B min	B max	C	REF
WSV 08S	8	4	16	M16x1.5	<a href="#">151TA7595</a>
WSV 10S	10	4	16	M18x1.5	<a href="#">151TA7596</a>
WSV 12S	12	4	16	M20x1.5	<a href="#">151TA7597</a>
WSV 14S	14	4	16	M22x1.5	<a href="#">151TA7598</a>
WSV 16S	16	4	16	M24x1.5	<a href="#">151TA7599</a>
WSV 20S	20	5	16	M30x2.0	<a href="#">151TA7600</a>
WSV 25S	25	5	16	M36x2.0	<a href="#">151TA7601</a>
WSV 30S	30	5	16	M42x2.0	<a href="#">151TA7602</a>
WSV 38S	38	5	16	M52x2.0	<a href="#">151TA7603</a>

## 90° BSPT - CUTTING RING THREAD FITTING



### ULTRA-LIGHT

Description	A mm	B	REF
WEV 04LL RK1/8	4	1/8	<a href="#">151TA7604</a>
WEV 06LL RK1/8	6	1/8	<a href="#">151TA7605</a>
WEV 08LL RK1/8	8	1/8	<a href="#">151TA7606</a>

### LIGHT

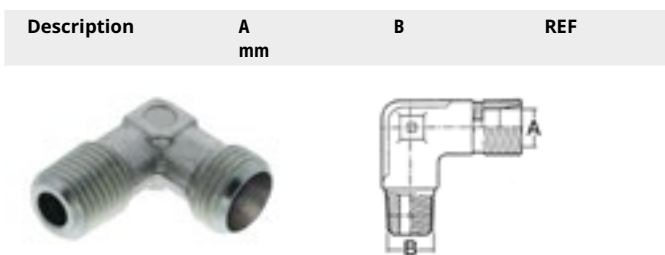
WEV 06L RK1/8	6	1/8	<a href="#">151TA7607</a>
WEV 06L RK1/4	6	1/4	<a href="#">151TA7608</a>
WEV 08L RK1/4	8	1/4	<a href="#">151TA7609</a>
WEV 08L RK3/8	8	3/8	<a href="#">151TA7610</a>
WEV 10L RK1/4	10	1/4	<a href="#">151TA7611</a>
WEV 10L RK3/8	10	3/8	<a href="#">151TA7612</a>
WEV 10L RK1/2	10	1/2	<a href="#">151TA7613</a>
WEV 12L RK1/4	12	1/4	<a href="#">151TA7614</a>
WEV 12L RK3/8	12	3/8	<a href="#">151TA7615</a>
WEV 12L RK1/2	12	1/2	<a href="#">151TA7616</a>
WEV 13L RK1/4	13	1/4	<a href="#">151TA7617</a>
WEV 13L RK3/8	13	3/8	<a href="#">151TA7618</a>
WEV 13L RK1/2	13	1/2	<a href="#">151TA7619</a>
WEV 14L RK3/8	14	3/8	<a href="#">151TA7620</a>

Description	A mm	B	REF
WEV 15L RK3/8	15	3/8	<a href="#">151TA7621</a>
WEV 15L RK1/2	15	1/2	<a href="#">151TA7622</a>
WEV 17L RK1/4	17	1/4	<a href="#">151TA7623</a>
WEV 17L RK3/8	17	3/8	<a href="#">151TA7624</a>
WEV 17L RK1/2	17	1/2	<a href="#">151TA7625</a>
WEV 18L RK1/2	18	1/2	<a href="#">151TA7626</a>
WEV 18L RK3/4	18	3/4	<a href="#">151TA7627</a>
WEV 20L RK3/4	20	3/4	<a href="#">151TA7628</a>
WEV 21L RK1/2	21	1/2	<a href="#">151TA7629</a>
WEV 21L RK3/4	21	3/4	<a href="#">151TA7630</a>
WEV 22L RK3/4	22	3/4	<a href="#">151TA7631</a>
WEV 27L RK3/4	27	3/4	<a href="#">151TA7632</a>
WEV 27L RK1	27	1	<a href="#">151TA7633</a>

### HEAVY-DUTY

WEV 06S RK1/4	6	1/4	<a href="#">151TA7634</a>
WEV 08S RK1/4	8	1/4	<a href="#">151TA7635</a>
WEV 10S RK3/8	10	3/8	<a href="#">151TA7636</a>
WEV 12S RK3/8	12	3/8	<a href="#">151TA7637</a>
WEV 12S RK1/2	12	1/2	<a href="#">151TA7638</a>
WEV 14S RK3/8	14	3/8	<a href="#">151TA7639</a>
WEV 14S RK1/2	14	1/2	<a href="#">151TA7640</a>
WEV 16S RK3/8	16	3/8	<a href="#">151TA7641</a>
WEV 16S RK1/2	16	1/2	<a href="#">151TA7642</a>
WEV 25S RK1	25	1	<a href="#">151TA7643</a>

## 90° METRIC CONICAL - CUTTING RING THREAD



### ULTRA-LIGHT

Description	A mm	B	REF
WEV 04LL MK6x1.0	4	M6x1.0	<a href="#">151TA7644</a>
WEV 04LL MK8x1.0	4	M8x1.0	<a href="#">151TA7645</a>
WEV 05LL MK8x1.0	5	M8x1.0	<a href="#">151TA7646</a>
WEV 06LL MK6x1.0	6	M6x1.0	<a href="#">151TA7647</a>
WEV 06LL MK8x1.0	6	M8x1.0	<a href="#">151TA7648</a>
WEV 06LL MK10x1.0	6	M10x1.0	<a href="#">151TA7649</a>
WEV 08LL MK10x1.0	8	M10x1.0	<a href="#">151TA7650</a>

### LIGHT

WEV 06L MK10x1.0	6	M10x1.0	<a href="#">151TA7651</a>
WEV 08L MK12x1.5	8	M12x1.5	<a href="#">151TA7652</a>
WEV 10L MK14x1.5	10	M14x1.5	<a href="#">151TA7653</a>
WEV 12L MK16x1.5	12	M16x1.5	<a href="#">151TA7654</a>

Description	A mm	B	REF
WEV 15L MK18x1.5	15	M18x1.5	<a href="#">151TA7655</a>
WEV 18L MK22x1.5	18	M22x1.5	<a href="#">151TA7656</a>

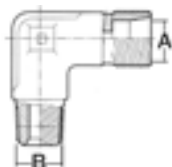
### HEAVY-DUTY

WEV 06S MK12x1.5	6	M12x1.5	<a href="#">151TA7657</a>
WEV 08S MK14x1.5	8	M14x1.5	<a href="#">151TA7658</a>
WEV 10S MK16x1.5	10	M16x1.5	<a href="#">151TA7659</a>
WEV 12S MK18x1.5	12	M18x1.5	<a href="#">151TA7660</a>
WEV 14S MK20x1.5	14	M20x1.5	<a href="#">151TA7661</a>
WEV 16S MK22x1.5	16	M22x1.5	<a href="#">151TA7662</a>

# CUTTING RING FITTINGS

## 90° NPT - CUTTING RING THREAD

Description	A mm	B NPT	REF
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### ULTRA-LIGHT

WEV 04LL 1/8NPT	8	1/8	<a href="#">151TA7663</a>
WEV 06LL 1/8NPT	4	1/8	<a href="#">151TA7664</a>
WEV 08LL 1/8NPT	6	1/8	<a href="#">151TA7665</a>

### LIGHT

WEV 06L 1/8NPT	8	1/8	<a href="#">151TA7666</a>
WEV 06L 1/4NPT	6	1/4	<a href="#">151TA7667</a>
WEV 08L 1/8NPT	6	1/8	<a href="#">151TA7668</a>
WEV 08L 1/4NPT	8	1/4	<a href="#">151TA7669</a>
WEV 10L 1/4NPT	10	1/4	<a href="#">151TA7670</a>
WEV 10L 3/8NPT	10	3/8	<a href="#">151TA7671</a>
WEV 12L 1/4NPT	12	1/4	<a href="#">151TA7672</a>
WEV 12L 3/8NPT	12	3/8	<a href="#">151TA7673</a>
WEV 15L 3/8NPT	15	3/8	<a href="#">151TA7674</a>
WEV 15L 1/2NPT	15	1/2	<a href="#">151TA7675</a>
WEV 17L 1/2NPT	17	1/2	<a href="#">151TA7676</a>

Description	A mm	B NPT	REF
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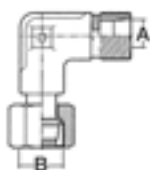
WEV 18L 1/2NPT	18	1/2	<a href="#">151TA7677</a>
WEV 22L 3/4NPT	22	3/4	<a href="#">151TA7678</a>
WEV 28L 1NPT	28	1	<a href="#">151TA7679</a>
WEV 35L 1 1/4NPT	35	1 1/4	<a href="#">151TA7680</a>
WEV 42L 1 1/2NPT	42	1 1/2	<a href="#">151TA7681</a>

### HEAVY-DUTY

WEV 06S 1/4NPT	6	1/4	<a href="#">151TA7682</a>
WEV 08S 1/4NPT	8	1/4	<a href="#">151TA7683</a>
WEV 10S 3/8NPT	10	3/8	<a href="#">151TA7684</a>
WEV 12S 3/8NPT	12	3/8	<a href="#">151TA7685</a>
WEV 12S 1/2NPT	12	1/2	<a href="#">151TA7686</a>
WEV 14S 3/8NPT	14	3/8	<a href="#">151TA7687</a>
WEV 14S 1/2NPT	14	1/2	<a href="#">151TA7688</a>
WEV 16S 1/2NPT	16	1/2	<a href="#">151TA7689</a>
WEV 20S 1/2NPT	20	1/2	<a href="#">151TA7690</a>
WEV 20S 3/4NPT	20	3/4	<a href="#">151TA7691</a>
WEV 25S 1NPT	25	1	<a href="#">151TA7692</a>
WEV 30S 1 1/4NPT	30	1 1/4	<a href="#">151TA7693</a>
WEV 38S 1 1/2NPT	38	1 1/2	<a href="#">151TA7694</a>

## 90° ADJUSTABLE CUTTING RING FITTING

Description	A mm	B mm	REF
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### LIGHT

EWV 06L SV	6	6	<a href="#">151TA7695</a>
EWV 08L SV	8	8	<a href="#">151TA7696</a>
EWV 10L SV	10	10	<a href="#">151TA7697</a>
EWV 12L SV	12	12	<a href="#">151TA7698</a>
EWV 13N SV	13	13	<a href="#">151TA7699</a>
EWV 14L SV	14	14	<a href="#">151TA7700</a>
EWV 15L SV	15	15	<a href="#">151TA7701</a>
EWV 17N SV	17	17	<a href="#">151TA7702</a>
EWV 18L SV	18	18	<a href="#">151TA7703</a>
EWV 21N SV	21	21	<a href="#">151TA7704</a>
EWV 22L SV	22	22	<a href="#">151TA7705</a>
EWV 27L SV	27	27	<a href="#">151TA7706</a>
EWV 28L SV	28	28	<a href="#">151TA7707</a>
EWV 33N SV	33	33	<a href="#">151TA7708</a>
EWV 35L SV	35	35	<a href="#">151TA7709</a>

Description	A mm	B mm	REF
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EWV 42L SV	42	42	<a href="#">151TA7710</a>
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### HEAVY-DUTY

EWV 42L SV	6	6	<a href="#">151TA7711</a>
EWV 08S SV	8	8	<a href="#">151TA7712</a>
EWV 10S SV	10	10	<a href="#">151TA7713</a>
EWV 12S SV	12	12	<a href="#">151TA7714</a>
EWV 14S SV	14	14	<a href="#">151TA7715</a>
EWV 16S SV	16	16	<a href="#">151TA7716</a>
EWV 20S SV	20	20	<a href="#">151TA7717</a>
EWV 25S SV	25	25	<a href="#">151TA7718</a>
EWV 30S SV	30	30	<a href="#">151TA7719</a>
EWV 38S SV	38	38	<a href="#">151TA7720</a>

## 90° ADJUSTABLE MALE METRIC - CUTTING RING FITTING

Description	Ø Tube mm	M	REF
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### LIGHT

WEV 06L MMO 10x1	6	M10x1.0	<a href="#">168TA2602</a>
WEV 08L MMO 12x1.5	8	M12x1.5	<a href="#">168TA2603</a>
WEV 10L MMO 14x1.5	10	M14x1.5	<a href="#">168TA2604</a>
WEV 12L MMO 16x1.5	12	M16x1.5	<a href="#">168TA2605</a>
WEV 15L MMO 18x1.5	15	M18x1.5	<a href="#">168TA2606</a>
WEV 18L MMO 22x1.5	18	M22x1.5	<a href="#">168TA2607</a>
WEV 22L MMO 27x2	27	M27x2.0	<a href="#">168TA2608</a>
WEV 28L MMO 33x2	28	M28x2.0	<a href="#">168TA2609</a>
WEV 35L MMO 42x2	35	M42x2.0	<a href="#">168TA2610</a>
WEV 42L MMO 48x2	42	M48x2.0	<a href="#">168TA2611</a>

### HEAVY-DUTY

WEV 06S MMO 12x1.5	6	M12x1.5	<a href="#">168TA2612</a>
WEV 08S MMO 14x1.5	8	M14x1.5	<a href="#">168TA2613</a>
WEV 10S MMO 16x1.5	10	M16x1.5	<a href="#">168TA2614</a>
WEV 12S MMO 18x1.5	12	M18x1.5	<a href="#">168TA2615</a>
WEV 14S MMO 20x1.5	14	M20x1.5	<a href="#">168TA2616</a>
WEV 16S MMO 22x1.5	16	M22x1.5	<a href="#">168TA2617</a>
WEV 20S MMO 27x2.0	20	M27x2.0	<a href="#">168TA2638</a>

Description	Ø Tube mm	M	REF
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WEV 25S MMO 33x2.0	25	M33x2.0	<a href="#">168TA2639</a>
WEV 30S MMO 42x2.0	30	M42x2.0	<a href="#">168TA2640</a>
WEV 38S MMO 48x2.0	38	M48x2.0	<a href="#">168TA2641</a>

## 90° ADJUSTABLE MALE BSP - CUTTING RING FITTING

Description	Ø Tube mm	G	REF
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### LIGHT

WEV 06L BMO 1/8	6	G 1/8	<a href="#">168TA2618</a>
WEV 08L BMO 1/4	8	G 1/4	<a href="#">168TA2619</a>
WEV 10L BMO 1/4	10	G 1/4	<a href="#">168TA2620</a>
WEV 12L BMO 3/8	12	G 3/8	<a href="#">168TA2621</a>
WEV 15L BMO 1/2	15	G 1/2	<a href="#">168TA2622</a>
WEV 18L BMO 1/2	18	G 1/2	<a href="#">168TA2623</a>
WEV 22L BMO 3/4	27	G 3/4	<a href="#">168TA2624</a>
WEV 28L BMO 1	28	G 1	<a href="#">168TA2625</a>
WEV 35L BMO 1 1/4	35	G 1 1/4	<a href="#">168TA2626</a>
WEV 42L BMO 1 1/2	42	G 1 1/2	<a href="#">168TA2627</a>

### HEAVY-DUTY


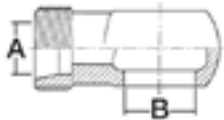
WEV 06S BMO 1/4	6	G 1/4	<a href="#">168TA2628</a>
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Description	Ø Tube mm	G	REF
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WEV 08S BMO 1/4	8	G 1/4	<a href="#">168TA2629</a>
WEV 10S BMO 3/8	10	G 3/8	<a href="#">168TA2630</a>
WEV 12S BMO 3/8	12	G 3/8	<a href="#">168TA2631</a>
WEV 14S BMO 1/2	14	G 1/2	<a href="#">168TA2632</a>
WEV 16S BMO 1/2	16	G 1/2	<a href="#">168TA2633</a>
WEV 20S BMO 3/4	20	G 3/4	<a href="#">168TA2634</a>
WEV 25S BMO 1	25	G 1	<a href="#">168TA2635</a>
WEV 30S BMO 1 1/4	30	G 1 1/4	<a href="#">168TA2636</a>
WEV 38S BMO 1 1/2	38	G 1 1/2	<a href="#">168TA2637</a>


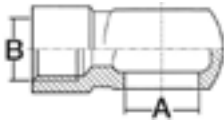
# CUTTING RING FITTINGS

## CUTTING RING THREAD - BANJO EYE


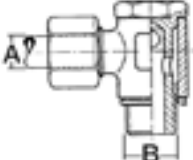
Description	A mm	B mm	REF
			
BO14 GP TM10 V	10	14	<a href="#">151TA7762</a>
BO16 GP TM12 V	12	16	<a href="#">151TA7763</a>

Description	A mm	B mm	REF
BO18 GP TM12 V	12	18	<a href="#">151TA7764</a>
BO18 GP TM13 V	13	18	<a href="#">151TA7765</a>
BO18 GP TM15 V	15	18	<a href="#">151TA7766</a>

## FEMALE BSP - BANJO EYE

Description	A mm	B BSP	REF
			
BO18FG3/8	18	3/8	<a href="#">151TA7767</a>

## BANJO METRIC THREAD - CUTTING RING THREAD

Description	A mm	B	REF
			

Description	A mm	B	REF
SWV 08 S M14x1.5	8	M14x1.5	<a href="#">151TA7781</a>
SWV 10 S M16x1.5	10	M16x1.5	<a href="#">151TA7782</a>
SWV 12 S M18x1.5	12	M18x1.5	<a href="#">151TA7783</a>
SWV 14 S M20x1.5	14	M20x1.5	<a href="#">151TA7784</a>
SWV 16 S M22x1.5	16	M22x1.5	<a href="#">151TA7785</a>
SWV 20 S M27x2.0	20	M27x2.0	<a href="#">151TA7786</a>

### ULTRA-LIGHT

SWV 04 LL M8x1.0	4	M8 x 1.0	<a href="#">151TA7768</a>
SWV 06 LL M10x1.0	6	M10x1.0	<a href="#">151TA7769</a>
SWV 08 LL M10x1.0	8	M10x1.0	<a href="#">151TA7770</a>

### LIGHT

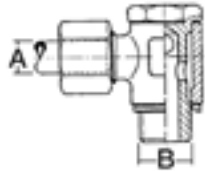
SWV 06 L M10x1.0	6	M10x1.0	<a href="#">151TA7771</a>
SWV 08 L M12x1.5	8	M12x1.5	<a href="#">151TA7772</a>
SWV 10 L M14x1.5	10	M14x1.5	<a href="#">151TA7773</a>
SWV 12 L M16x1.5	12	M16x1.5	<a href="#">151TA7774</a>
SWV 12 L M18x1.5	12	M18x1.5	<a href="#">151TA7775</a>
SWV 15 L M18x1.5	15	M18x1.5	<a href="#">151TA7776</a>
SWV 18 L M22x1.5	18	M22x1.5	<a href="#">151TA7777</a>
SWV 22 L M26x1.5	22	M26x1.5	<a href="#">151TA7778</a>
SWV 28 L M33x2.0	28	M33x2.0	<a href="#">151TA7779</a>

### HEAVY-DUTY

SWV 06 S M12x1.5	6	M12x1.5	<a href="#">151TA7780</a>
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## BANJO BSP THREAD - CUTTING RING THREAD

Description	A mm	B	REF
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### ULTRA-LIGHT

SWV 04 LL R1/8	4	G 1/8	<a href="#">151TA7787</a>
SWV 06 LL R1/8	6	G 1/8	<a href="#">151TA7788</a>
SWV 08 LL R1/8	8	G 1/8	<a href="#">151TA7789</a>

### LIGHT

SWV 06 L R1/8	6	G 1/8	<a href="#">151TA7790</a>
SWV 06 L R1/4	6	G 1/4	<a href="#">151TA7791</a>
SWV 08 L R1/4	8	G 1/4	<a href="#">151TA7792</a>
SWV 10 L R1/4	10	G 1/4	<a href="#">151TA7793</a>
SWV 12 L R1/4	12	G 1/4	<a href="#">151TA7794</a>
SWV 12 L R3/8	12	G 3/8	<a href="#">151TA7795</a>
SWV 12 L R1/2	12	G 1/2	<a href="#">151TA7796</a>
SWV 15 L R1/2	15	G 1/2	<a href="#">151TA7797</a>
SWV 18 L R1/2	18	G 1/2	<a href="#">151TA7798</a>
SWV 22 L R3/4	22	G 3/4	<a href="#">151TA7799</a>
SWV 28 L R1	28	G 1	<a href="#">151TA7800</a>

Description	A mm	B	REF
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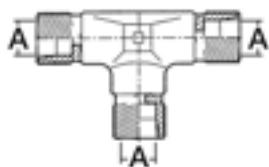
### HEAVY-DUTY

SWV 06 S R1/4	6	G 1/4	<a href="#">151TA7801</a>
SWV 08 S R1/4	8	G 1/4	<a href="#">151TA7802</a>
SWV 10 S R3/8	10	G 3/8	<a href="#">151TA7803</a>
SWV 12 S R3/8	12	G 3/8	<a href="#">151TA7804</a>
SWV 14 S R1/2	14	G 1/2	<a href="#">151TA7805</a>
SWV 16 S R1/2	16	G 1/2	<a href="#">151TA7806</a>
SWV 20 S R3/4	20	G 3/4	<a href="#">151TA7807</a>
SWV 25 S R1	25	G 1	<a href="#">151TA7808</a>

# CUTTING RING FITTINGS

## T-FITTING - CUTTING RING THREAD

Description	A mm	REF
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### ULTRA-LIGHT

TV 04LL	4	<a href="#">151TA7398</a>
TV 06LL	6	<a href="#">151TA7399</a>
TV 08LL	8	<a href="#">151TA7400</a>

### LIGHT

TV 06L	6	<a href="#">151TA7401</a>
TV 08L	8	<a href="#">151TA7402</a>
TV 10L	10	<a href="#">151TA7403</a>
TV 12L	12	<a href="#">151TA7404</a>
TV 13L	13	<a href="#">151TA7405</a>
TV 14N	14	<a href="#">151TA7406</a>
TV 15L	15	<a href="#">151TA7407</a>
TV 17L	17	<a href="#">151TA7408</a>
TV 18L	18	<a href="#">151TA7409</a>
TV 21L	21	<a href="#">151TA7410</a>
TV 22L	22	<a href="#">151TA7411</a>

Description	A mm	REF
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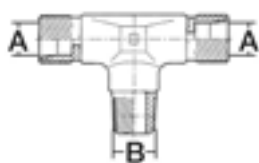
TV 27L	27	<a href="#">151TA7412</a>
TV 28L	28	<a href="#">151TA7413</a>
TV 35L	35	<a href="#">151TA7414</a>
TV 42L	42	<a href="#">151TA7415</a>

### HEAVY-DUTY

TV 06S	6	<a href="#">151TA7416</a>
TV 08S	8	<a href="#">151TA7417</a>
TV 10S	10	<a href="#">151TA7418</a>
TV 12S	12	<a href="#">151TA7419</a>
TV 14S	14	<a href="#">151TA7420</a>
TV 16S	16	<a href="#">151TA7421</a>
TV 20S	20	<a href="#">151TA7422</a>
TV 25S	25	<a href="#">151TA7423</a>
TV 30S	30	<a href="#">151TA7424</a>
TV 38S	38	<a href="#">151TA7425</a>

## T-FITTING - CONICAL BSP THREAD

Description	A mm	B	REF
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### ULTRA-LIGHT

TEV 04LL RK1/8	4	1/8	<a href="#">151TA7426</a>
TEV 06LL RK1/8	6	1/8	<a href="#">151TA7427</a>
TEV 08LL RK1/8	8	1/8	<a href="#">151TA7428</a>

### LIGHT

TEV 06L RK1/8	6	1/8	<a href="#">151TA7429</a>
TEV 08L RK1/4	8	1/4	<a href="#">151TA7430</a>
TEV 10L RK1/4	10	1/4	<a href="#">151TA7431</a>
TEV 12L RK1/4	12	1/4	<a href="#">151TA7432</a>
TEV 12L RK3/8	12	3/8	<a href="#">151TA7433</a>
TEV 13L RK3/8	13	3/8	<a href="#">151TA7434</a>
TEV 15L RK1/2	15	1/2	<a href="#">151TA7435</a>
TEV 18L RK1/2	18	1/2	<a href="#">151TA7436</a>

### HEAVY-DUTY

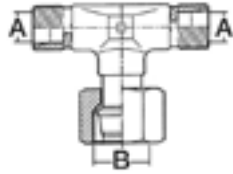
TEV 06S RK1/4	6	1/4	<a href="#">151TA7437</a>
TEV 08S RK1/4	8	1/4	<a href="#">151TA7438</a>

Description	A mm	B	REF
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TEV 10S RK3/8	10	3/8	<a href="#">151TA7439</a>
TEV 12S RK3/8	12	3/8	<a href="#">151TA7440</a>
TEV 14S RK1/2	14	1/2	<a href="#">151TA7441</a>
TEV 16S RK1/2	16	1/2	<a href="#">151TA7442</a>

## ADJUSTABLE T-CUTTING RING FITTING

Description	A mm	B mm	REF
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### LIGHT

ETV 06L SV	6	6	<a href="#">151TA7443</a>
ETV 08L SV	8	8	<a href="#">151TA7444</a>
ETV 10L SV	10	10	<a href="#">151TA7445</a>
ETV 12L SV	12	12	<a href="#">151TA7446</a>
ETV 13L SV	13	13	<a href="#">151TA7447</a>
ETV 15L SV	15	15	<a href="#">151TA7448</a>
ETV 17L SV	17	17	<a href="#">151TA7449</a>
ETV 18L SV	18	18	<a href="#">151TA7450</a>
ETV 22L SV	22	22	<a href="#">151TA7451</a>
ETV 28L SV	28	28	<a href="#">151TA7452</a>
ETV 35L SV	35	35	<a href="#">151TA7453</a>
ETV 42L SV	42	42	<a href="#">151TA7454</a>

### HEAVY-DUTY

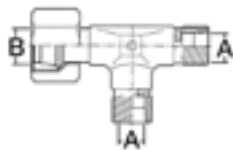
ETV 06S SV	6	6	<a href="#">151TA7455</a>
ETV 08S SV	8	8	<a href="#">151TA7456</a>

Description	A mm	B mm	REF
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ETV 10S SV	10	10	<a href="#">151TA7457</a>
ETV 12S SV	12	12	<a href="#">151TA7458</a>
ETV 14S SV	14	14	<a href="#">151TA7459</a>
ETV 16S SV	16	16	<a href="#">151TA7460</a>
ETV 20S SV	20	20	<a href="#">151TA7461</a>
ETV 25S SV	25	25	<a href="#">151TA7462</a>
ETV 30S SV	30	30	<a href="#">151TA7463</a>
ETV 38S SV	38	38	<a href="#">151TA7464</a>

## ADJUSTABLE L-CUTTING RING FITTING

Description	A mm	B mm	REF
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### LIGHT

ELV 06L SV	6	6	<a href="#">151TA7485</a>
ELV 08L SV	8	8	<a href="#">151TA7486</a>
ELV 10L SV	10	10	<a href="#">151TA7487</a>
ELV 12L SV	12	12	<a href="#">151TA7488</a>
ELV 13L SV	13	13	<a href="#">151TA7489</a>
ELV 15L SV	15	15	<a href="#">151TA7490</a>
ELV 17L SV	17	17	<a href="#">151TA7491</a>
ELV 18L SV	18	18	<a href="#">151TA7492</a>
ELV 22L SV	22	22	<a href="#">151TA7493</a>
ELV 28L SV	28	28	<a href="#">151TA7494</a>
ELV 35L SV	35	35	<a href="#">151TA7495</a>
ELV 42L SV	42	42	<a href="#">151TA7496</a>

### HEAVY-DUTY

ELV 06S SV	6	6	<a href="#">151TA7497</a>
ELV 08S SV	8	8	<a href="#">151TA7498</a>

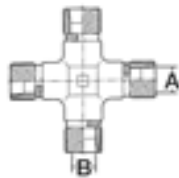
Description	A mm	B mm	REF
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ELV 10S SV	10	10	<a href="#">151TA7499</a>
ELV 14S SV	12	12	<a href="#">151TA7500</a>
ELV 16S SV	14	14	<a href="#">151TA7501</a>
ELV 20S SV	16	16	<a href="#">151TA7502</a>
ELV 25S SV	20	20	<a href="#">151TA7503</a>
ELV 30S SV	25	25	<a href="#">151TA7504</a>
ELV 38S SV	30	30	<a href="#">151TA7505</a>
ELV 12S SV	38	38	<a href="#">151TA7506</a>

# CUTTING RING FITTINGS

## CUTTING RING THREADED CROSS FITTING

Description	A mm	REF
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### ULTRA-LIGHT

KV 04LL	4	<a href="#">151TA7527</a>
KV 06LL	6	<a href="#">151TA7528</a>
KV 08LL	8	<a href="#">151TA7529</a>

### LIGHT

KV 06L	6	<a href="#">151TA7530</a>
KV 08L	8	<a href="#">151TA7531</a>
KV 10L	10	<a href="#">151TA7532</a>
KV 12L	12	<a href="#">151TA7533</a>
KV 13L	13	<a href="#">151TA7534</a>
KV 15L	15	<a href="#">151TA7535</a>
KV 17L	17	<a href="#">151TA7536</a>
KV 18L	18	<a href="#">151TA7537</a>
KV 22L	22	<a href="#">151TA7538</a>
KV 28L	28	<a href="#">151TA7539</a>
KV 35L	35	<a href="#">151TA7540</a>

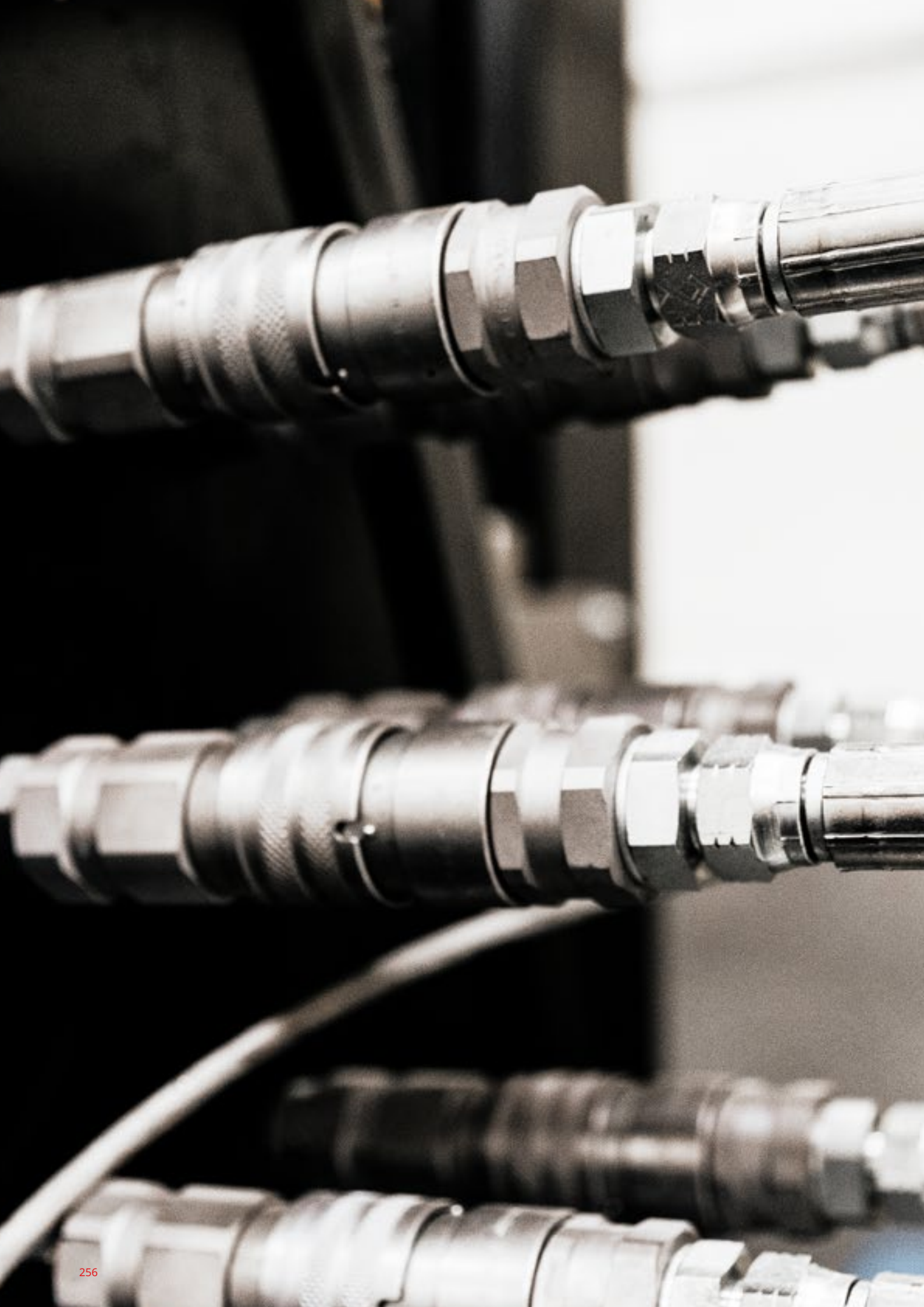
Description	A mm	REF
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KV 42L [151TA7541](#)

### HEAVY-DUTY

KV 06S	6	<a href="#">151TA7542</a>
KV 08S	8	<a href="#">151TA7543</a>
KV 10S	10	<a href="#">151TA7544</a>
KV 12S	12	<a href="#">151TA7545</a>
KV 14S	14	<a href="#">151TA7546</a>
KV 16S	16	<a href="#">151TA7547</a>
KV 20S	20	<a href="#">151TA7548</a>
KV 25S	25	<a href="#">151TA7549</a>
KV 30S	30	<a href="#">151TA7550</a>
KV 38S	38	<a href="#">151TA7551</a>







*07.*

# **QUICK COUPLINGS**

# QUICK COUPLINGS

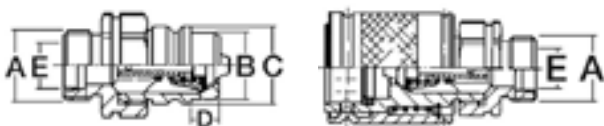
## ISO A - FEMALE THREAD



Male version	Female version	Size	A	Bar	B mm	REF male	REF fem.
QRAM04-04BFF	QRAF04-04BFF	1/4"	1/4 BSP	250	11.8	<a href="#">152TA1058</a>	<a href="#">159TA9978</a>
QRAM04-04BFFBALL	QRAF04-04BFFBALL	1/4"	1/4 BSP	350	11.8	<a href="#">159TA9974</a>	<a href="#">159TA9979</a>
QRAM06-06BFF	QRAF06-06BFF	3/8"	3/8 BSP	315	17.3	<a href="#">152TA1059</a>	<a href="#">159TA9980</a>
QRAM06-06BFFFREE FLOW	QRAF06-06BFFFREE FLOW	3/8"	3/8 BSP	315	17.3	<a href="#">152TA1060</a>	<a href="#">159TA9981</a>
QRAM06-06BFFBALL	QRAF06-06BFFBALL	3/8"	3/8 BSP	250	17.3	<a href="#">159TA9975</a>	<a href="#">159TA9982</a>
QRAM08-06BFF	QRAF08-06BFF	1/2"	3/8 BSP	250	20.5	<a href="#">152TA1061</a>	<a href="#">159TA9983</a>
QRAM08-08BFF	QRAF08-08BFF	1/2"	1/2 BSP	250	20.5	<a href="#">152TA1235</a>	<a href="#">152TA1176</a>
QRAM08-08BFFBALL	QRAF08-08BFFBALL	1/2"	1/2 BSP	250	20.5	<a href="#">159TA9976</a>	<a href="#">152TA1177</a>
QRAM08-08BFFFREE FLOW	QRAF08-08BFFFREE FLOW	1/2"	1/2 BSP	250	20.5	<a href="#">152TA1062</a>	<a href="#">152TA1178</a>
QRAM08-08BFFPRES	QRAF08-08BFFPRES	1/2"	1/2 BSP	250	20.5	<a href="#">159TA9977</a>	<a href="#">152TA1179</a>
QRAM08-18MFF	QRAF08-18MFF	1/2"	M18x1.5	250	20.5	<a href="#">152TA1063</a>	<a href="#">152TA1180</a>
QRAM08-22MFF	QRAF08-22MFF	1/2"	M22x1.5	250	20.5	<a href="#">152TA1064</a>	<a href="#">152TA1181</a>
QRAM08-08NF	QRAF08-08NF	1/2"	1/2 NPT	250	20.5	<a href="#">152TA1065</a>	<a href="#">152TA1182</a>
QRAM08-3/4UFF	QRAF08-3/4UFF	1/2"	3/4 UNF	250	20.5	<a href="#">152TA1066</a>	<a href="#">159TA9984</a>
QRAM08-7/8UFF	QRAF08-7/8UFF	1/2"	7/8 UNF	250	20.5	<a href="#">152TA1067</a>	<a href="#">159TA9985</a>
QRAM12-12BFF	QRAF12-12BFF	3/4"	3/4 BSP	250	29.1	<a href="#">152TA1068</a>	<a href="#">159TA9986</a>
QRAM12-12BFFFREE FLOW	QRAF12-12BFFFREE FLOW	3/4"	3/4 BSP	250	29.1	<a href="#">152TA1069</a>	<a href="#">159TA9987</a>
QRAM16-16BFF	QRAF16-16BFF	1"	1 BSP	200	34.3	<a href="#">152TA1070</a>	<a href="#">159TA9988</a>
QRAM20-20BFF	QRAF20-20BFF	1 1/4"	1 1/4" BSP	250	45	<a href="#">152TA1071</a>	<a href="#">159TA9989</a>
QRAM24-24BFF	QRAF24-24BFF	1 1/2"	1 1/2" BSP	200	55	<a href="#">152TA1072</a>	<a href="#">159TA9990</a>
QRAM32-32BFF	QRAF32-32BFF	2"	2 BSP	190	65.1	<a href="#">152TA1073</a>	<a href="#">159TA9991</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## ISO A - FOR MALE METRIC TUBE



Male version	Female version	Size	A	Bar	B mm	REF male	REF fem.
QRAM 08-18 ME12	QRAF 08-18 ME12	1/2"	M18 x 1.5	250	20.5	<a href="#">152TA1074</a>	<a href="#">159TA9992</a>
QRAM 08-20 ME12	QRAF 08-20 ME12	1/2"	M20 x 1.5	250	20.5	<a href="#">152TA1075</a>	<a href="#">159TA9993</a>
QRAM 08-22 ME15	QRAF 08-22 ME15	1/2"	M22 x 1.5	250	20.5	<a href="#">152TA1076</a>	<a href="#">159TA9994</a>
QRAM 12-20 ME12	QRAF 12-20 ME12	3/4"	M20 x 1.5	250	29.3	<a href="#">152TA1077</a>	

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## ISO A - BULKHEAD METRIC TUBE



Male version	Female version	Size	A	Bar	B mm	REF male	REF fem.
QRAM08-16ME10-BL	QRAF08-16ME10-BL	1/2"	M16x1.5	250	20.5	<a href="#">152TA1078</a>	<a href="#">159TA9995</a>
QRAM08-18ME12-BL	QRAF08-18ME12-BL	1/2"	M18x1.5	250	20.5	<a href="#">152TA1079</a>	<a href="#">159TA9996</a>
QRAM08-18ME12-BLPRES	QRAF08-18ME12-BLPRES	1/2"	M18x1.5	250	20.5	<a href="#">167TA9054</a>	<a href="#">159TA9997</a>
QRAM08-20ME12-BL	QRAF08-20ME12-BL	1/2"	M20x1.5	250	20.5	<a href="#">152TA1080</a>	<a href="#">159TA9998</a>
QRAM08-20ME12-BLPRES	QRAF08-20ME12-BLPRES	1/2"	M20x1.5	250	20.5	<a href="#">167TA9053</a>	<a href="#">159TA9999</a>
QRAM08-22ME15-BL	QRAF08-22ME15-BL	1/2"	M22x1.5	250	20.5	<a href="#">152TA1081</a>	<a href="#">160TA1000</a>
QRAM08-24ME16-BL	QRAF08-24ME16-BL	1/2"	M24x1.5	250	20.5	<a href="#">152TA1082</a>	<a href="#">160TA1001</a>
QRAM12-30ME20-BL	QRAF12-30ME20-BL	3/4"	M30x2.0	250	29.1	<a href="#">152TA1083</a>	<a href="#">160TA1002</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## QUICK COUPLING JIC



Male version	Female version	Size	A	Bar	REF male	REF fem.
QRAM 08-06 JM	QRAF 08-06 JM	1/2"	9/16JIC	250	<a href="#">167TA9049</a>	<a href="#">167TA9051</a>
QRAM 12-12 JM-BL	QRAF 12-12 JM-BL	3/4"	3/4JIC	250	<a href="#">167TA9050</a>	<a href="#">167TA9052</a>

## QUICK COUPLING BULKHEAD JIC



Male version	Female version	Size	A	Bar	REF male	REF fem.
QRAM 08-06 JM-BL	QRAF 08-06 JM-BL	1/2"	9/16 JIC	250	<a href="#">167TA3801</a>	<a href="#">167TA3799</a>
QRAM 08-12 JM-BL	QRAF 08-12 JM-BL	1/2"	3/4 JIC	250	<a href="#">167TA3802</a>	<a href="#">167TA3800</a>

# QUICK COUPLINGS

## ISO A COUPLER CAPS



For male coupler	For female coupler	Size	Ø mm	REF male	REF fem.
QRAM 04 CAP	QRAF 04 CAP	1/4"	13	<a href="#">152TA1089</a>	<a href="#">152TA1084</a>
QRAM 06 CAP	QRAF 06 CAP	3/8"	18.4	<a href="#">152TA1090</a>	<a href="#">152TA1085</a>
QRAM 08 CAP	QRAF 08 CAP	1/2"	23.7	<a href="#">152TA1091</a>	<a href="#">152TA1086</a>
QRAM 12 CAP	QRAF 12 CAP	3/4"	30.5	<a href="#">152TA1092</a>	<a href="#">152TA1087</a>
QRAM 16 CAP	QRAF 16 CAP	1"	36.6	<a href="#">152TA1093</a>	<a href="#">152TA1088</a>

## ISO A FEMALE AUTOMATIC PLUGS



Type	Int. Ø mm	Color	REF
QRAF AUTOCAP RED	40	Red	<a href="#">152TA1094</a>
QRAF AUTOCAP BLACK	40	Black	<a href="#">152TA1095</a>
QRAF AUTOCAP BLUE	40	Blue	<a href="#">152TA1096</a>
QRAF AUTOCAP GREEN	40	Green	<a href="#">152TA1097</a>
QRAF AUTOCAP YELLOW	40	Yellow	<a href="#">152TA1098</a>

## SUPPORT FOR MALE COUPLERS



Size	Int. Ø mm	REF
1/2"	24	<a href="#">152TA1099</a>

## ISO A O-RING + BACK-UP RING



Type	Size	Ø mm	REF
QRFAO 04	1/4"	11.8	<a href="#">152TA1100</a>
QRFAO 06	3/8"	17.3	<a href="#">152TA1101</a>
QRFAO 08	1/2"	20.5	<a href="#">152TA1102</a>
QRFAO 12	3/4"	29.1	<a href="#">152TA1103</a>
QRFAO 16	1"	34.3	<a href="#">152TA1104</a>

## ISO A QUAD RING



Type	Size	Ø mm	REF
QRFAO 08 QUAD	1/2"	20.2	<a href="#">167TA9223</a>

### SET OF SEALS



Size	Dimensions	REF Set
1/2" (REF <a href="#">152TA1102</a> )	BU 211 20.22 x 3.53	<a href="#">152TA1106</a>
3/8" (REF <a href="#">152TA1101</a> )	BU 117 20.30 x 2.62	

### WELDING BRACKET TRACTOR SIDE



Length mm	Size	Int. Ø mm	REF
180 x 60	1/2"	38	<a href="#">152TA1107</a>

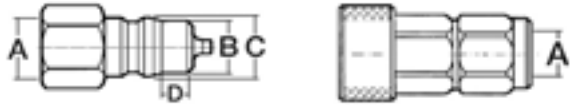
### WELDING BRACKET TRACTOR SIDE WITH FIXING SPRING



Spacing fixtures mm	Size	Int. Ø mm	REF
50	1/2"	38	<a href="#">160TA1003</a>

# QUICK COUPLINGS

## ISO B - FEMALE THREAD



Male version	Female version	Size	A BSP	Bar	B mm	REF male	REF fem.
QRBM 04-04 BFF	QRBF 04-04 BFF	1/4"	1/4 BSP	350	14.2	<a href="#">152TA1108</a>	<a href="#">160TA1004</a>
QRBM 06-06 BFF	QRBF 06-06 BFF	3/8"	3/8 BSP	325	19.1	<a href="#">152TA1109</a>	<a href="#">160TA1005</a>
QRBM 08-08 BFF	QRBF 08-08 BFF	1/2"	1/2 BSP	250	23.5	<a href="#">152TA1110</a>	<a href="#">160TA1006</a>
QRBM 12-12 BFF	QRBF 12-12 BFF	3/4"	3/4 BSP	250	31.9	<a href="#">152TA1111</a>	<a href="#">160TA1007</a>
QRBM 16-16 BFF	QRBF 16-16 BFF	1"	1 BSP	225	37.8	<a href="#">152TA1112</a>	<a href="#">160TA1008</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## ISO B O-RING + BACK-UP RING



Type	Size	Ø mm	REF
QRBFO 04	1/4"	14.2	<a href="#">152TA1113</a>

## ISO V - FEMALE THREAD



Male version	Female version	Size	A BSP	Bar	B mm	REF male	REF fem.
QRVM 04-04 BFF	QRVF 04-04 BFF	1/4"	1/4 BSP	315	14.2	<a href="#">152TA1114</a>	<a href="#">160TA1009</a>
QRVM 04-04 BFF BALL	QRVF 04-04 BFF BALL	1/4"	1/4 BSP	315	14.2	<a href="#">152TA1115</a>	<a href="#">160TA1010</a>
QRVM 06-06 BFF	QRVF 06-06 BFF	3/8"	3/8 BSP	315	19	<a href="#">152TA1116</a>	<a href="#">160TA1011</a>
QRVM 06-06 BFF BALL	QRVF 06-06 BFF BALL	3/8"	3/8 BSP	315	19	<a href="#">152TA1117</a>	<a href="#">160TA1012</a>
QRVM 12-12 BFF	QRVF 12-12 BFF	3/4"	3/4 BSP	250	27.9	<a href="#">152TA1118</a>	<a href="#">160TA1013</a>
QRVM 12-12 BFF BALL	QRVF 12-12 BFF BALL	3/4"	3/4 BSP	250	27.9	<a href="#">152TA1119</a>	<a href="#">160TA1014</a>
QRVM 16-16 BFF	QRVF 16-16 BFF	1"	1 BSP	250	31.3	<a href="#">152TA1120</a>	<a href="#">160TA1015</a>
QRVM 16-16 BFF BALL	QRVF 16-16 BFF BALL	1"	1 BSP	250	31.3	<a href="#">152TA1121</a>	<a href="#">160TA1016</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## ISO AV COUPLER CAPS



For male coupler	For female coupler	Size	Ø mm	REF male	REF fem.
QRVM 04 CAP	QRVF 04 CAP	1/4"	16.2	<a href="#">152TA1126</a>	<a href="#">152TA1122</a>
QRVM 06 CAP	QRVF 06 CAP	3/8"	21.5	<a href="#">152TA1127</a>	<a href="#">152TA1123</a>
QRVM 12 CAP	QRVF 12 CAP	3/4"	31	<a href="#">152TA1128</a>	<a href="#">152TA1124</a>
QRVM 16 CAP	QRVF 16 CAP	1"	34.5	<a href="#">152TA1129</a>	<a href="#">152TA1125</a>

## O-RING + BACK-UP RING



Type	Size	Ø mm	REF
QRVFO 06	3/8"	19	<a href="#">152TA1130</a>
QRVFO 12	3/4"	27.9	<a href="#">152TA1131</a>
QRVFO 16	1"	31.3	<a href="#">152TA1132</a>

## FLAT FACE - FEMALE THREAD



Male version	Female version	Size	A Thread	B mm	D mm	Bar	REF male	REF fem.
QRFM 04-02 NFF	QRFF 04-02 NFF	1/4"	1/8 NPT	12.7	27	200	<a href="#">152TA1133</a>	<a href="#">160TA1017</a>
QRFM 04-04 NFF	QRFF 04-04 NFF	1/4"	1/4 NPT	12.7	27	200		<a href="#">160TA1018</a>
QRFM 04-04 BFF	QRFF 04-04 BFF	1/4"	1/4 BSP	16.2	27	200	<a href="#">152TA1134</a>	<a href="#">160TA1019</a>
QRFM 06-06 BFF	QRFF 06-06 BFF	3/8"	3/8 BSP	19.8	30	250	<a href="#">152TA1135</a>	<a href="#">160TA1020</a>
QRFM 06-7/8 UFF	QRFF 06-7/8 UFF	3/8"	7/8 UNF	19.8	30	350	<a href="#">152TA1139</a>	<a href="#">160TA1024</a>
QRFM 06-08 BFF	QRFF 06-08 BFF	3/8"	1/2 BSP	19.8	30	250	<a href="#">152TA1140</a>	<a href="#">160TA1025</a>
QRFM 06-16 MFF	QRFF 06-16 MFF	3/8"	M16 x 1.5	19.8	30	350	<a href="#">152TA1142</a>	<a href="#">160TA1027</a>
QRFM 08-08 BFF	QRFF 08-08 BFF	1/2"	1/2 BSP	24.5	38	250	<a href="#">152TA1143</a>	<a href="#">160TA1028</a>
QRFM 08-12 BFF	QRFF 08-12 BFF	1/2"	3/4 BSP	24.5	38	250	<a href="#">152TA1146</a>	<a href="#">160TA1031</a>
QRFM 08-3/4 UFF	QRFF 08-3/4 UFF	1/2"	3/4 UNF	24.5	38	350	<a href="#">152TA1148</a>	<a href="#">160TA1032</a>
QRFM 08-7/8 UFF	QRFF 08-7/8 UFF	1/2"	7/8 UNF	24.5	38	350	<a href="#">152TA1149</a>	<a href="#">160TA1033</a>
QRFM 08-1 1/16 UFF	QRFF 08-1 1/16 UFF	1/2"	1 1/16 UNF	24.5	38	350	<a href="#">152TA1150</a>	<a href="#">160TA1034</a>
QRFM 12-12 BFF	QRFF 12-12 BFF	3/4"	3/4 BSP	30	48	200	<a href="#">152TA1151</a>	<a href="#">160TA1035</a>
QRFM 12-16 BFF	QRFF 12-16 BFF	3/4"	1 BSP	30	48	200	<a href="#">152TA1152</a>	<a href="#">160TA1036</a>
QRFM 16-20 BFF	QRFF 16-20 BFF	1"	1 1/4 BSP	36	55	250	<a href="#">152TA1153</a>	<a href="#">160TA1037</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

# QUICK COUPLINGS

## PLUGS FOR MALE FLAT-FACE COUPLERS



Size	Ø mm	REF
1/4"	16.2	<a href="#">167TA9221</a>
3/8"	19.8	<a href="#">152TA1154</a>
1/2"	24.5	<a href="#">152TA1155</a>
3/4"	30	<a href="#">152TA1156</a>
1"	36	<a href="#">167TA9222</a>

## PLUGS FOR FEMALE FLAT-FACE COUPLERS



Size	Ø mm	REF
1/4"	27	<a href="#">167TA9224</a>
3/8"	30	<a href="#">152TA1157</a>
1/2"	38	<a href="#">152TA1158</a>
3/4"	48	<a href="#">152TA1159</a>
1"	55	<a href="#">167TA9225</a>

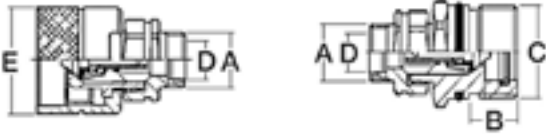
## SCREW-IN QUICK-CONNECT COUPLERS - FEMALE GAS THREAD



Male version	Female version	Size	A BSP	Bar	D mm	REF male	REF fem.
QRSM 06-04 BFF	QRSF 06-04 BFF	3/8"	1/4 BSP	450	34	<a href="#">152TA1160</a>	<a href="#">160TA1038</a>
QRSM 06-06 BFF	QRSF 06-06 BFF	3/8"	3/8 BSP	450	34	<a href="#">152TA1161</a>	<a href="#">160TA1039</a>
QRSM 08-18 MFF	QRSF 08-18 MFF	1/2"	M18 x 1.5	400	42	<a href="#">152TA1162</a>	<a href="#">160TA1040</a>
QRSM 08-06 BFF	QRSF 08-06 BFF	1/2"	3/8 BSP	400	42	<a href="#">152TA1163</a>	<a href="#">160TA1041</a>
QRSM 08-08 BFF	QRSF 08-08 BFF	1/2"	1/2 BSP	400	42	<a href="#">152TA1164</a>	<a href="#">160TA1042</a>
QRSM 08-22 MFF	QRSF 08-22 MFF	1/2"	M22 x 1.5	400	42	<a href="#">152TA1165</a>	<a href="#">160TA1043</a>
QRSM 12-12 BFF	QRSF 12-12 BFF	3/4"	3/4 BSP	300	48	<a href="#">152TA1166</a>	<a href="#">160TA1044</a>
QRSM 12-22 MFF	QRSF 12-22 MFF	3/4"	M22 x 1.5	300	48	<a href="#">152TA1167</a>	<a href="#">160TA1045</a>
QRSM 16-30 MFF	QRSF 16-30 MFF	1"	M30 x 2.0	300	55	<a href="#">152TA1168</a>	<a href="#">160TA1046</a>
QRSM 16-12 BFF	QRSF 16-12 BFF	1"	3/4 BSP	300	55	<a href="#">152TA1169</a>	<a href="#">160TA1047</a>
QRSM 16-16 BFF	QRSF 16-16 BFF	1"	1 BSP	300	55	<a href="#">152TA1170</a>	<a href="#">160TA1048</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## SCREW-IN QUICK-CONNECT COUPLERS - METRIC TUBE



Male version	Female version	Size	A	Bar	E mm	REF male	REF fem.
QRSM 06-14 ME08	QRSF 06-14 ME08	3/8"	M14 x 1.5	450	34	<a href="#">152TA1171</a>	<a href="#">160TA1049</a>
QRSM 06-16 ME08	QRSF 06-16 ME08	3/8"	M16 x 1.5	450	34	<a href="#">152TA1172</a>	<a href="#">160TA1050</a>
QRSM 06-16 ME10	QRSF 06-16 ME10	3/8"	M16 x 1.5	450	34	<a href="#">152TA1173</a>	<a href="#">160TA1051</a>
QRSM 08-18 ME12	QRSF 08-18 ME12	1/2"	M18 x 1.5	400	42	<a href="#">152TA1174</a>	<a href="#">160TA1052</a>
QRSM 08-20 ME12	QRSF 08-20 ME12	1/2"	M20 x 1.5	300	42	<a href="#">152TA1175</a>	<a href="#">160TA1053</a>
QRSM 08-22 ME15	QRSF 08-22 ME15	1/2"	M22 x 1.5	400	42	<a href="#">167TA9055</a>	<a href="#">160TA1054</a>
QRSM 08-24 ME16	QRSF 08-24 ME16	1/2"	M24 x 1.5	400	42	<a href="#">167TA9056</a>	<a href="#">160TA1055</a>
QRSM 12-24 ME16	QRSF 12-24 ME16	3/4"	M24 x 1.5	400	48	<a href="#">167TA9057</a>	<a href="#">160TA1056</a>
QRSM 12-30 ME20	QRSF 12-30 ME20	3/4"	M30 x 2.0	400	48	<a href="#">167TA9058</a>	<a href="#">160TA1057</a>
QRSM 16-26 ME18	QRSF 16-26 ME18	1"	M26 x 1.5	300	55	<a href="#">167TA9059</a>	<a href="#">160TA1058</a>
QRSM 16-30 ME20	QRSF 16-30 ME20	1"	M30 x 2.0	300	55	<a href="#">167TA9060</a>	<a href="#">160TA1059</a>
QRSM 16-36 ME25	QRSF 16-36 ME25	1"	M36 x 2.0	300	55	<a href="#">167TA9061</a>	<a href="#">160TA1060</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

## SCREW-IN QUICK-CONNECT COUPLERS - BULKHEAD METRIC TUBE



Male version	Female version	Size	A	Bar	E mm	REF male	REF fem.
QRSM 06-16 ME08-BL	QRSF 06-16 ME08-BL	3/8"	M16 x 1.5	450	34	<a href="#">160TA1061</a>	<a href="#">152TA1183</a>
QRSM 08-18 ME12-BL	QRSF 08-18 ME12-BL	1/2"	M18 x 1.5	400	42	<a href="#">160TA1062</a>	<a href="#">152TA1184</a>
QRSM 08-20 ME12-BL	QRSF 08-20 ME12-BL	1/2"	M20 x 1.5	400	42	<a href="#">160TA1063</a>	<a href="#">152TA1185</a>
QRSM 08-22 ME15-BL	QRSF 08-22 ME15-BL	1/2"	M22 x 1.5	400	42	<a href="#">160TA1064</a>	<a href="#">152TA1186</a>
QRSM 08-24 ME16-BL	QRSF 08-24 ME16-BL	1/2"	M24 x 1.5	400	42	<a href="#">160TA1065</a>	<a href="#">152TA1187</a>
QRSM 12-30 ME20-BL	QRSF 12-30 ME20-BL	3/4"	M30 x 2.0	400	48	<a href="#">160TA1066</a>	<a href="#">152TA1188</a>
QRSM 16-26 ME18-BL	QRSF 16-26 ME18-BL	1"	M26 x 1.5	300	55	<a href="#">160TA1067</a>	<a href="#">152TA1189</a>
QRSM 16-30 ME20-BL	QRSF 16-30 ME20-BL	1"	M30 x 2.0	300	55	<a href="#">160TA1068</a>	<a href="#">152TA1190</a>
QRSM 16-36 ME25-BL	QRSF 16-36 ME25-BL	1"	M36 x 2.0	300	55	<a href="#">160TA1069</a>	<a href="#">152TA1191</a>
QRSM 16-42 ME30-BL	QRSF 16-42 ME30-BL	1"	M42 x 1.5	300	55	<a href="#">160TA1070</a>	<a href="#">152TA1192</a>

\* suitable for Faster - Parker - Aéroquip - Gromelle - Stucchi - Snap - Tema ...

# QUICK COUPLINGS

## CAP FOR SCREW-IN COUPLERS



For Male version couplers	For Female version couplers	Size	Ø mm	REF male cap for female coupler	REF female cap for male coupler
QRSM 04 CAP	QRSF 04 CAP	1/4"	M24 x 2.0	<a href="#">167TA9217</a>	<a href="#">167TA9219</a>
QRSM 06 CAP	QRSF 06 CAP	3/8"	M28 x 2.0	<a href="#">167TA9218</a>	<a href="#">167TA9220</a>
QRSM 08 CAP	QRSF 08 CAP	1/2"	M36 x 2.0	<a href="#">152TA1193</a>	<a href="#">152TA1196</a>
QRSM 12 CAP	QRSF 12 CAP	3/4"	M42 x 2.0	<a href="#">152TA1194</a>	<a href="#">152TA1197</a>
QRSM 16 CAP	QRSF 16 CAP	1"	M48 x 2.0	<a href="#">152TA1195</a>	<a href="#">152TA1198</a>

## O-RING + GUIDE RING + BACK-UP RING



Type	Size	REF
QRSFO 06	3/8"	<a href="#">152TA1199</a>
QRSFO 08	1/2"	<a href="#">152TA1200</a>
QRSFO 12	3/4"	<a href="#">152TA1201</a>
QRSFO 16	1"	<a href="#">152TA1202</a>



**NOTES**

A series of horizontal dotted lines for writing notes.



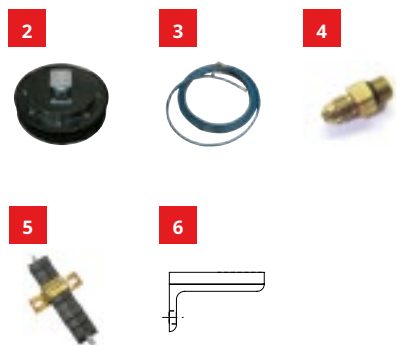


08.  
**REELS**

## REEL WITH TWIN HOSE



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	275 mm	4 m	Double synflex 1/4"	<a href="#">123TA7174</a>
LH**	275 mm	4 m	Double synflex 1/4"	<a href="#">123TA7175</a>



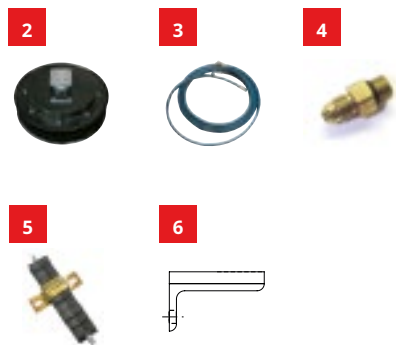
- 2 REF [123TA7170](#) – RH reel (without hoses)\*
- REF [123TA7171](#) – LH reel (without hoses)\*\*
- 3 REF [123TA7172](#) – Hose, end connection 7/16" JIC\*/\*\*
- REF [135TA9665](#) – Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [126TA5178](#) – Fitting\*/\*\* (2 required)
- 5 REF [123TA7173](#) – Hose support\*/\*\*
- 6 REF [168TA1767](#) – Mounting bracket: (not included in complete kit)

- REF [135TA9666](#) – Seal kit
- REF [135TA9667](#) – Spring assembly
- Max lifting height: 6 m (duplex mast), 5 m (triplex mast)
- Max working pressure: 200 bar, fluid flow: 30 l/min
- Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

## REEL WITH TWIN HOSE



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	325 mm	4.5 m	Double synflex 3/8"	<a href="#">123TA7180</a>
LH**	325 mm	4.5 m	Double synflex 3/8"	<a href="#">123TA7181</a>



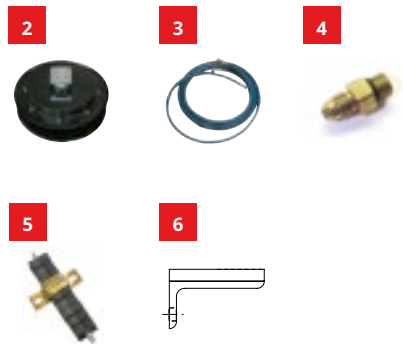
- 2 REF [123TA7176](#) – RH reel (without hoses)\*
- REF [123TA7177](#) – LH reel (without hoses)\*\*
- 3 REF [123TA7178](#) – Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [124TA3655](#) – Fitting\*/\*\* (2 required)
- 5 REF [168TA1765](#) – Hose support\*/\*\*
- 6 REF [168TA1767](#) – Mounting bracket: (not included in complete kit)

- REF [135TA9666](#) – Seal kit
- REF [135TA9705](#) – Spring assembly
- Max lifting height: 7 m (duplex mast), 6 m (triplex mast)
- Max working pressure: 160 bar, fluid flow: 30 l/min
- Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

## REEL WITH TWIN HOSE



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	325 mm	5 m	Double synflex 5/16"	<a href="#">135TA9706</a>
LH**	325 mm	5 m	Double synflex 5/16"	<a href="#">135TA9707</a>



- 2 REF [123TA7176](#) - RH reel (without hoses)\*
- REF [123TA7177](#) - LH reel (without hoses)\*\*
- 3 REF [135TA9708](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [124TA3655](#) - Fitting\*/\*\* (2 required)
- 5 REF [168TA1765](#) - Hose support\*/\*\*
- 6 REF [168TA1767](#) - Mounting bracket: (not included in complete kit)

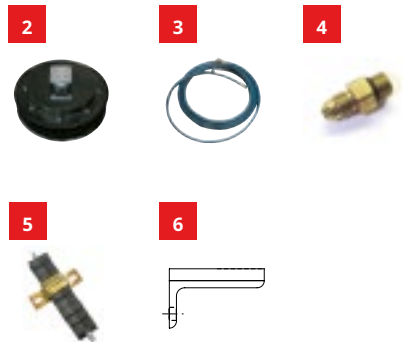
REF [135TA9666](#) - Seal kit  
 REF [135TA9705](#) - Spring assembly

- Max lifting height: 7 m (duplex mast), 6 m (triplex mast)
- Max working pressure: 180 bar, fluid flow: 30 l/min
- Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

## REEL WITH TWIN HOSE



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	420 mm	6.7 m	Double synflex 3/8"	<a href="#">123TA7185</a>
LH**	420 mm	6.7 m	Double synflex 3/8"	<a href="#">123TA7186</a>

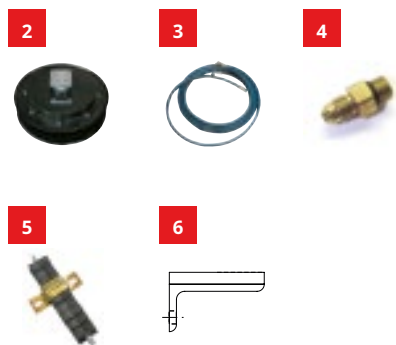


- 2 REF [123TA7182](#) - RH reel (without hoses)\*
- REF [123TA7183](#) - LH reel (without hoses)\*\*
- 3 REF [123TA7184](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [124TA3655](#) - Fitting\*/\*\* (2 required)
- 5 REF [123TA7179](#) - Hose support\*/\*\*
- 6 REF [168TA1767](#) - Mounting bracket: (not included in complete kit)

REF [135TA9709](#) - Seal kit

- Max lifting height: 11.5 m (duplex mast), 9.5 m (triplex mast)
- Max working pressure: 180 bar, fluid flow: 30 l/min
- Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

## REEL WITH TWIN HOSE



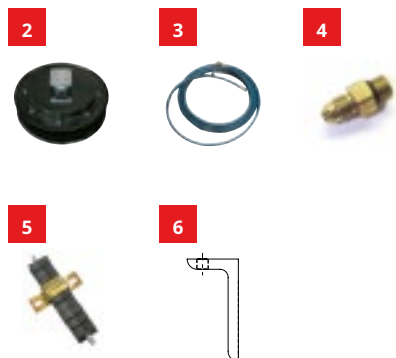
Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	420 mm	4.7 m	Double synflex 1/2"	<a href="#">123TA7191</a>
LH**	420 mm	4.7 m	Double synflex 1/2"	<a href="#">123TA7192</a>

- 2 REF [123TA7187](#) - RH reel (without hoses)\*
- REF [123TA7188](#) - LH reel (without hoses)\*\*
- 3 REF [123TA7189](#) - Hose, end connection 3/4" JIC\*/\*\*
- 4 REF [124TA3657](#) - Fitting\*/\*\* (2 required)
- 5 REF [123TA7190](#) - Hose support\*/\*\*
- 6 REF [168TA1767](#) - Mounting bracket: (not included in complete kit)

REF [135TA9709](#) - Seal kit  
 REF [135TA9710](#) - Spring assembly

- Max lifting height: 9 m (duplex mast), 7.5 m (triplex mast)
  - Max working pressure: 180 bar, fluid flow: 40 l/min
  - Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

## REEL WITH 2X TWIN HOSE



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	370 mm	4.5 m	Double synflex 3/8"	<a href="#">123TA7197</a>
LH**	370 mm	4.5 m	Double synflex 3/8"	<a href="#">123TA7198</a>

- 2 REF [123TA7193](#) - RH reel (without hoses)\*
- REF [123TA7194](#) - LH reel (without hoses)\*\*
- 3 REF [123TA7195](#) - Hose (2 required), end connection 9/16" JIC\*/\*\*
- 4 REF [124TA3655](#) - Fitting\*/\*\* (4 required)
- 5 REF [123TA7196](#) - Hose support\*/\*\*
- 6 REF [168TA1768](#) - Mounting bracket

REF [135TA9711](#) - Seal kit  
 REF [135TA9712](#) - Spring assembly

- Max lifting height: 9 m (duplex mast), 7.5 m (triplex mast)
  - Max working pressure: 180 bar, fluid flow: 30 l/min
  - Hose reel supplied without inlet fittings, inside thread: 3/8" BSP
- \* Kit included for RH, \*\* Kit included for LH

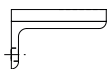
## CABLE HOSE REEL 2 PORT + CABLE

1



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH	370 mm	4.6 m	Double synflex 3/8" + cable conductors 1.5 mm	<a href="#">136TA3224</a>
LH	370 mm	4.6 m	Double synflex 3/8" + cable conductors 1.5 mm	<a href="#">140TA9151</a>

2



2 REF [168TA1767](#) – Mounting bracket: (not included in complete kit)

- JIC fittings 9/16"
- Max lifting height: 9 m (duplex mast), 7.5 m (triplex mast)
- Max working pressure 180 bar, fluid flow 30 l/min
- Hose reel supplied without inlet fittings, inside thread 3/8 bsp

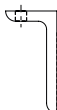
## 4 PORT HOSE REEL

1



Type	Reel diameter	Max hose length	Hose type	REF
Complete kit				
RH	325 mm	3.7 m	4 hoses synflex 1/4"	<a href="#">140TA9083</a>
LH	325 mm	3.7 m	4 hoses synflex 1/4"	<a href="#">140TA9152</a>

2



2 REF [168TA1768](#) – Mounting bracket

- Max working pressure 300 bar, fluid flow 30 l/min
- Hose reel supplied without inlet fittings, inside thread 3/8 bsp

## TECREEL REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	318 mm	3.5 m	Double synflex 5/16"	<a href="#">107TA3712</a>
LH**	318 mm	3.5 m	Double synflex 5/16"	<a href="#">107TA3713</a>

- 2 REF [107TA3709](#) - RH reel (without hoses)\*
- REF [107TA3710](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3711](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [107TA3705](#) - Fitting\*/\*\* (3/8" BSP, 2 required)

\* Kit included for RH, \*\* Kit included for LH

## TECREEL REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	380 mm	5.6 m	Double synflex 5/16"	<a href="#">107TA3707</a>
LH**	380 mm	5.6 m	Double synflex 5/16"	<a href="#">107TA3708</a>

- 2 REF [107TA3703](#) - RH reel (without hoses)\*
- REF [107TA3704](#) - LH reel (without hoses)\*\*
- 3 REF [107TA8685](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [107TA3705](#) - Fitting\*/\*\* (3/8" BSP, 2 required)

\* Kit included for RH, \*\* Kit included for LH

## CASCADE REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	280 mm	3.91 m	Double synflex 1/4"	<a href="#">107TA3683</a>
LH**	280 mm	3.91 m	Double synflex 1/4"	<a href="#">107TA3684</a>

- 2 REF [107TA3678](#) - RH reel (without hoses)\*
- REF [107TA3679](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3681](#) - Hose, end connection 7/16" JIC\*/\*\*
- 4 REF [107TA3680](#) - Fitting\*/\*\* (4 required)
- 5 REF [107TA3682](#) - Mounting bracket\*/\*\*

• Max lifting height: 6.3 m (duplex mast), 4.8 m (triplex mast)  
 \* Kit included for RH, \*\* Kit included for LH

## CASCADE REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	330 mm	4.57 m	Double synflex 3/8"	<a href="#">107TA3676</a>
LH**	330 mm	4.57 m	Double synflex 3/8"	<a href="#">107TA3677</a>

- 2 REF [107TA3673](#) - RH reel (without hoses)\*
- REF [107TA3674](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3675](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [107TA3668](#) - Fitting\*/\*\* (4 required)
- 5 REF [107TA3670](#) - Mounting bracket\*/\*\*

• Max lifting height: 7.1 m (duplex mast), 5.5 m (triplex mast)  
 \* Kit included for RH, \*\* Kit included for LH

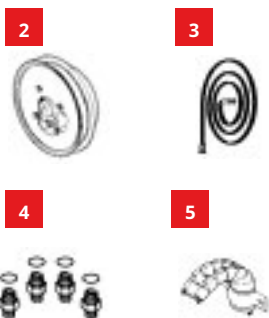
## CASCADE REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	410 mm	7.62 m	Double synflex 3/8"	<a href="#">107TA3671</a>
LH**	410 mm	7.62 m	Double synflex 3/8"	<a href="#">107TA3672</a>

- 2 REF [107TA3666](#) - RH reel (without hoses)\*  
REF [107TA3667](#) - LH reel (without hoses)\*\*
  - 3 REF [107TA3669](#) - Hose, end connection 9/16" JIC\*/\*\*
  - 4 REF [107TA3668](#) - Fitting\*/\*\* (4 required)
  - 5 REF [107TA3670](#) - Mounting bracket\*/\*\*
- Max lifting height: 13 m (duplex mast), 9.81 m (triplex mast)  
\* Kit included for RH, \*\* Kit included for LH

## CASCADE REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	410 mm	5.79 m	Double synflex 1/2"	<a href="#">113TA1679</a>
LH**	410 mm	5.79 m	Double synflex 1/2"	<a href="#">113TA1680</a>

- 2 REF [113TA1674](#) - RH reel (without hoses)\*  
REF [113TA1675](#) - LH reel (without hoses)\*\*
  - 3 REF [113TA1677](#) - Hose, end connection 3/4" JIC\*/\*\*
  - 4 REF [113TA1676](#) - Fitting\*/\*\* (4 required)
  - 5 REF [107TA3734](#) - Mounting bracket\*/\*\*
- Max lifting height: 8.9 m (duplex mast), 7.4 m (triplex mast)  
\* Kit included for RH, \*\* Kit included for LH

**HOSE REEL BRACKET FOR CASCADE REELS**



• Hose reel bracket left

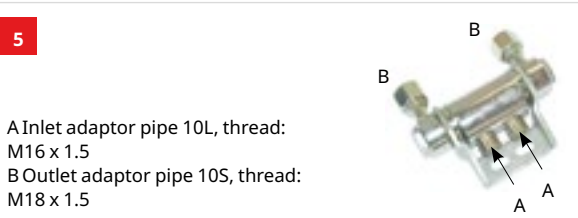
REF [161TA5786](#)



• Hose reel bracket right

REF [161TA5785](#)

## TECALEMIT REEL

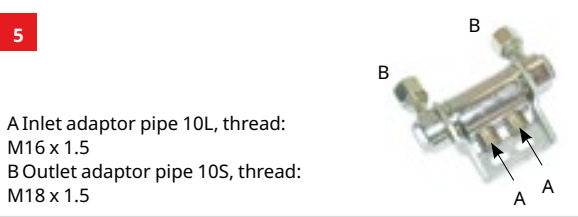


Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	280 mm	3.3 m	Double synflex 1/4"	<a href="#">107TA3700</a>
RH**	280 mm	3 m	Double synflex 5/16"	<a href="#">107TA8684</a>
LH***	280 mm	3.3 m	Double synflex 1/4"	<a href="#">107TA3701</a>
LH****	280 mm	3 m	Double synflex 5/16"	<a href="#">107TA3702</a>

- 2 REF [107TA3696](#) - RH reel (without hoses)\*\*  
REF [107TA3697](#) - LH reel (without hoses)\*\*\*\*
- 3 REF [107TA3698](#) - Hose, 3.3 m, end connection 1/4" JIC\*/\*\*\*\*  
REF [107TA3699](#) - Hose, 3 m, end connection 5/16" JIC\*\*/\*\*\*\*
- 4 REF [107TA3688](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (2 required)  
REF [107TA3689](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (4 required)
- 5 REF [107TA3685](#) - Swivel\*/\*\*/\*\*\*\*/\*\*\*\*\*

\*/\*\* Kit included for RH, \*\*\*\*/\*\*\*\*\* Kit included for LH

## TECALEMIT REEL

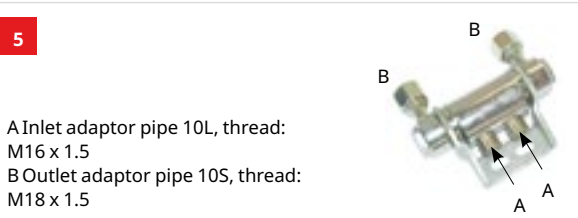


Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	340 mm	6 m	Double synflex 1/4"	<a href="#">107TA3692</a>
RH**	340 mm	5 m	Double synflex 5/16"	<a href="#">107TA3693</a>
LH***	340 mm	6 m	Double synflex 1/4"	<a href="#">107TA3694</a>
LH****	340 mm	5 m	Double synflex 5/16"	<a href="#">107TA3695</a>

- 2 REF [107TA9686](#) - RH reel (without hoses)\*\*  
REF [107TA9687](#) - LH reel (without hoses)\*\*\*\*
- 3 REF [107TA3690](#) - Hose, 6 m, end connection 1/4" JIC\*/\*\*\*\*  
REF [107TA3691](#) - Hose, 5 m, end connection 5/16" JIC\*\*/\*\*\*\*
- 4 REF [107TA3688](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (2 required)  
REF [107TA3689](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (4 required)
- 5 REF [107TA3685](#) - Swivel\*/\*\*/\*\*\*\*/\*\*\*\*\*

\*/\*\* Kit included for RH, \*\*\*\*/\*\*\*\*\* Kit included for LH

## TECALEMIT REEL



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	390 mm	7 m	Double synflex 1/4"	<a href="#">107TA3718</a>
RH**	390 mm	6 m	Double synflex 5/16"	<a href="#">107TA3719</a>
LH***	390 mm	7 m	Double synflex 1/4"	<a href="#">107TA3720</a>
LH****	390 mm	6 m	Double synflex 5/16"	<a href="#">107TA3721</a>

- 2 REF [107TA3714](#) - RH reel (without hoses)\*\*
- REF [107TA3715](#) - LH reel (without hoses)\*\*\*\*
- 3 REF [107TA3716](#) - Hose, 7 m, end connection 1/4" JIC\*/\*\*\*
- REF [107TA3717](#) - Hose, 6 m, end connection 5/16" JIC\*\*/\*\*\*\*
- 4 REF [107TA3688](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (2 required)
- REF [107TA3689](#) - Fitting\*/\*\*/\*\*\*\*/\*\*\*\*\* (4 required)
- 5 REF [107TA3685](#) - Swivel\*/\*\*/\*\*\*\*/\*\*\*\*\*

\*/\*\* Kit included for RH, \*\*\*/\*\*\*\* Kit included for LH

## REELS USED FOR MEYER



Type	Reel diameter mm	Max hose length mm	Hose type	End fittings	Hose reel inside thread	With hoses	REF
RH	280	3000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3722</a>
RH	280	3000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3723</a>
LH	280	3000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3724</a>
LH	280	3000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3725</a>
RH	340	5000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3726</a>
RH	340	5000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3727</a>
LH	340	5000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3728</a>
LH	340	5000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3729</a>
RH	390	6000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3730</a>
RH	390	6000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3731</a>
LH	390	6000	Double synflex 5/16"	M14	3/8" BSP	Yes	<a href="#">107TA3732</a>
LH	390	6000	Double synflex 5/16"	9/16" JIC	3/8" BSP	Yes	<a href="#">107TA3733</a>
Seal kit for all 'Meyer' types							<a href="#">135TA9668</a>

## SWIVELS



	REF 9/16" Jic	REF 3/4" Jic
Complete kit	<a href="#">135TA9669</a>	<a href="#">151TA2971</a>
Swivel	<a href="#">135TA9670</a>	<a href="#">151TA2972</a>
Fitting	<a href="#">107TA3749</a>	<a href="#">107TA3745</a>
Bracket	<a href="#">107TA3750</a>	<a href="#">107TA3746</a>



- Bolt on swivel - length 136 mm
- Inlet thread: 3/8" BSP
- Outlet thread: 3/8" BSP
- 3 mounting holes 8.5 mm

REF [123TA7201](#)



With fittings:

- Bolt on swivel - length 264 mm
- Inlet thread: 3/8" BSP
- Outlet thread: 3/8" BSP
- 6 mounting holes 8.5 mm
- Rotating angle 180°

REF [123TA7202](#) (without fittings)

- With 8 fittings 9/16"JIC

REF [123TA8866](#)

## JUNCTION BLOCKS FOR HOSE REELS



- Type: 1JC
- Inside thread: 9/16 UNF
- Connection of the hose: 1 hose left- and 1 hose right-hand

REF [107TA3741](#)



- Type: R
- Inside thread: 3/4 UNF
- Connection of the hose: 2 hoses right-hand

REF [107TA3742](#)



- Type: C
- Inside thread: 3/4 UNF
- Connection of the hose: 1 hose left- and 1 hose right-hand

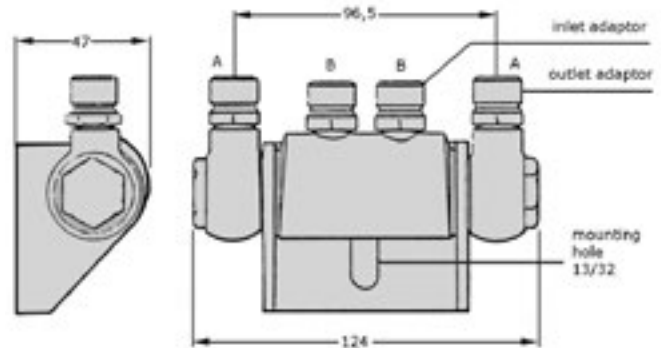
REF [107TA3739](#)



- Type: L
- Inside thread: 3/4 UNF
- Connection of the hose: 2 hoses left-hand

REF [107TA3740](#)

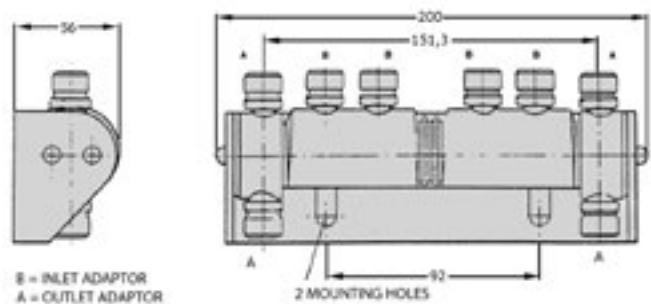
## SWIVEL JOINT FOR 2 HOSES



- Pressure range up to 300 bar
- 180° rotatable
- Seal kit: REF [168TA3014](#)

Outlet adaptor	Inlet Adaptor	REF without check valve
-	-	<a href="#">112TA4967</a>
1/4" BSP	1/4" BSP	<a href="#">112TA4981</a>
3/8" BSP	3/8" BSP	<a href="#">112TA4982</a>
9/16" JIC	9/16" JIC	<a href="#">112TA4983</a>
3/4" 16 UNF	3/4" 16 UNF	<a href="#">112TA4984</a>
M16x1.5 (10L)	M16x1.5 (10L)	<a href="#">112TA4985</a>
3/8" BSP	1/4" BSP	<a href="#">112TA4986</a>
3/8" BSP	9/16" JIC	<a href="#">112TA4987</a>
1/4" BSP	9/16" JIC	<a href="#">112TA4988</a>
9/16" JIC	3/8" BSP	<a href="#">112TA4989</a>
9/16" JIC	1/4" BSP	<a href="#">112TA4990</a>
9/16" JIC	-	<a href="#">112TA4991</a>
M18x1.5 (10S)	3/8" BSP	<a href="#">112TA4992</a>
M16x1.5 (60°)	M16x1.5 (60°)	<a href="#">112TA4993</a>

## SWIVEL JOINT FOR 4 HOSES



- Pressure range up to 210 bar
- 180° rotatable

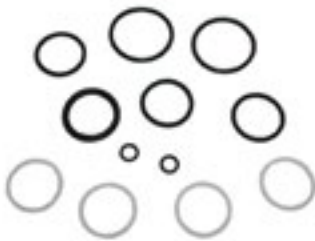
Outlet adaptor	Inlet Adaptor	REF without check valve
-	-	<a href="#">112TA4994</a>
3/8" BSP	3/8" BSP	<a href="#">112TA4995</a>
1/4" BSP	1/4" BSP	<a href="#">112TA4999</a>
9/16" JIC	9/16" JIC	<a href="#">129TA8815</a>
1/4" BSP	9/16" JIC	<a href="#">112TA4997</a>
3/4"-16 UNF	9/16" JIC	<a href="#">129TA8816</a>

## HOSE SUPPORT



Size	REF
1/4"	<a href="#">107TA3682</a>
5/16"	<a href="#">168TA1765</a>
3/8"	<a href="#">107TA3670</a>
1/2"	<a href="#">107TA3734</a>

## HOSE REEL SPARE PARTS



Hose reel used for Cascade	REF seal kit	REF spring assembly
REF 672570	<a href="#">107TA3764</a>	<a href="#">107TA3755</a>
REF 672571	<a href="#">107TA3764</a>	<a href="#">107TA8683</a>
REF 672572	<a href="#">107TA3764</a>	<a href="#">107TA3757</a>
REF 672573	<a href="#">107TA3764</a>	<a href="#">107TA3758</a>
REF 672574	<a href="#">107TA3764</a>	<a href="#">107TA3759</a>
REF 672575	<a href="#">107TA3764</a>	<a href="#">107TA3760</a>
REF 672576	<a href="#">107TA3764</a>	<a href="#">115TA2135</a>
REF 672577	<a href="#">107TA3764</a>	<a href="#">115TA2136</a>

## HOSE REEL SPARE PARTS



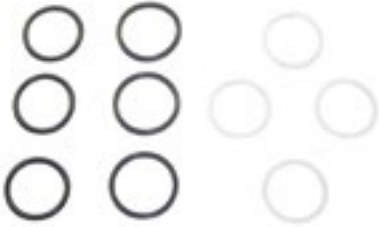
Hose reel used for Tecaletmit	REF seal kit	REF spring assembly
REF 13552014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>
REF 13551014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>
REF 13556014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>
REF 13555014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>
REF 13554014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>
REF 13553014	<a href="#">107TA3763</a>	<a href="#">107TA3754</a>

## HOSE REEL SPARE PARTS



Hose reel used for Tecreel	REF seal kit	REF spring assembly
REF TR31800	<a href="#">107TA3762</a>	<a href="#">107TA3753</a>
REF TL31800	<a href="#">107TA3762</a>	<a href="#">107TA3753</a>
REF TR38000	<a href="#">107TA3762</a>	<a href="#">107TA3753</a>
REF TL38000	<a href="#">107TA3762</a>	<a href="#">107TA3753</a>

## HOSE REEL SPARE PARTS



Hose reel used for Meyer	REF seal kit	REF spring assembly
REF 72101	<a href="#">107TA3761</a>	<a href="#">107TA3751</a>
REF 72102	<a href="#">107TA3761</a>	<a href="#">107TA3751</a>
REF 72103	<a href="#">107TA3761</a>	<a href="#">107TA3751</a>

## SHEAVES



REF [107TA3660](#)



REF [104TA3436](#)



REF [107TA3659](#)

You can also use our technical sheet:



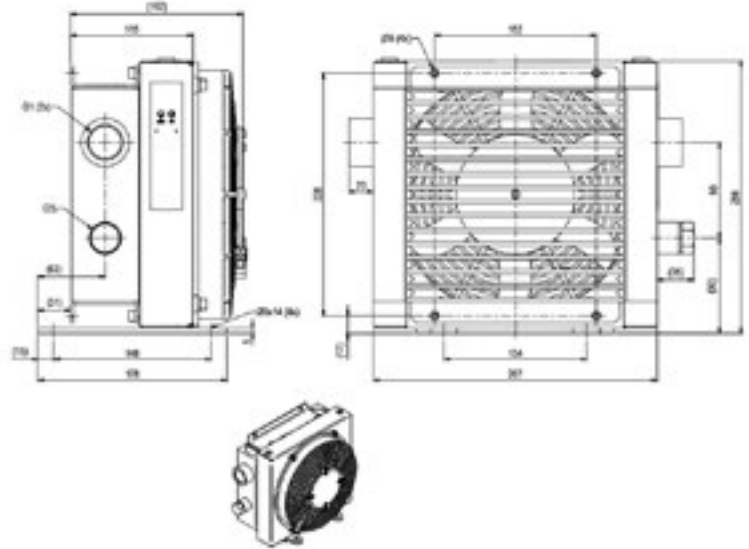




09.

# **ACCESSORIES**

## OILCOOLER

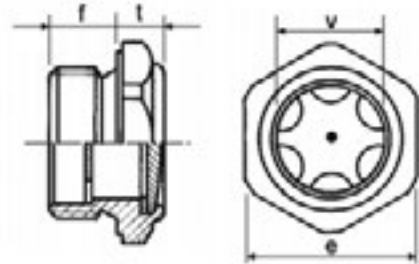


- 25 l/min to 120 l/min
- Inclusive thermocontact till 47° C
- Work pressure: 10 bar
- P max: 14 bar

Voltage 12 VDC: REF [152TA1962](#)

Voltage 24 VDC: REF [152TA1963](#)

## VISUAL LEVEL INDICATOR



Thread	f mm	t mm	v mm	e mm	REF
1/4"	8	7	10	17	<a href="#">167TA9177</a>
3/8"	10.5	7	13	22	<a href="#">167TA9174</a>
1/2"	11	9	16	27	<a href="#">167TA9173</a>
3/4"	12	9	21	32	<a href="#">167TA9178</a>
1"	15.5	10	27	40	<a href="#">167TA9175</a>
1 1/4"	15	10	37	50	<a href="#">167TA9179</a>
1 1/2"	15	10	40	55	<a href="#">167TA9176</a>
2"	17	14	50	70	<a href="#">167TA9180</a>
M33 x 2	15.5	10	27	40	<a href="#">152TA1972</a>

## TANK FILLER CAP



### Technical details:

- Overall length: 149 mm
- Overall length tank: 50 mm
- Ø 84 mm overall
- Ø 40 mm strainer
- Axle center: 63 mm

REF [167TA9884](#)

## TANK FILLER CAP AND BREATHER PLUG



Thread	REF
1/4 BSP	<a href="#">129TA8174</a>
3/8 BSP	<a href="#">168TA1945</a>
1/2 BSP	<a href="#">168TA1946</a>

## BREATHER PLUG

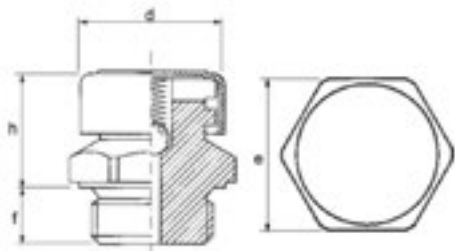


### Technical details:

- for MERLO
- 1/8 BSP

REF [168TA1948](#)

## BREATHER PLUG WITH VALVE

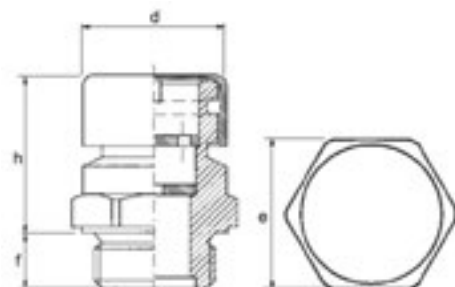


### Technical information:

- Calibrated from 0.05 to 0.10 bar
- Galvanized-steel cover
- Aluminium alloy without treatment
- Internal valve with steel sphere and inox spring

Thread	d mm	h mm	f mm	e mm	REF
1/8"	13.8	16	8	14	<a href="#">168TA1930</a>
1/4"	16.5	17	9.5	17	<a href="#">168TA1931</a>
3/8"	21	19	11	22	<a href="#">168TA1932</a>
1/2"	26	20	11	27	<a href="#">168TA1933</a>
3/4"	30	24	12	32	<a href="#">168TA1934</a>
1"	38	29	14	40	<a href="#">168TA1935</a>

## OIL FILLING PLUG AND BREATHER

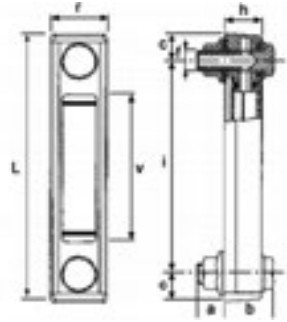


### Technical information:

- Galvanized-steel cover
- Aluminium alloy without treatment with labyrinth

Thread	d mm	h mm	f mm	e mm	REF
1/4"	16.5	23	8	17	<a href="#">168TA1937</a>
3/8"	22	29	9	22	<a href="#">168TA1938</a>
1/2"	26	29	10	27	<a href="#">168TA1939</a>
3/4"	30	35	12	32	<a href="#">168TA1940</a>
1"	38	43	14	40	<a href="#">168TA1941</a>
1 1/4"	50	45	15	50	<a href="#">168TA1942</a>
1 1/2"	55	46	15	55	<a href="#">168TA1943</a>
2"	70	46	17	70	<a href="#">168TA1944</a>

## VERTICAL LEVEL INDICATOR



L mm	r mm	v mm	c mm	i mm	f	h mm	a mm	b mm	REF
109	34	37	16.5	76	M10	21.5	11	29	<a href="#">152TA1973</a>
109	34	37	16.5	76	M12	21.5	11	29	<a href="#">152TA1974</a>
160	34	88	16.5	127	M10	21.5	16	29	<a href="#">152TA1975</a>
160	34	88	16.5	127	M12	21.5	16	29	<a href="#">145TA8289</a>





**10.**  
**HYDRAULIC  
INDICATORS &  
TESTERS**

# HYDRAULIC INDICATORS & TESTERS

## ANALOG PRESSURE GAUGES



### PRESSURE GAUGES FOR OIL

- Connection 1/4" BSP
- Case: Ø 63
- Stainless steel
- Filled with glycerine

bar	PSI	REF
0 - 1	0 - 15	<a href="#">107TA4308</a>
0 - 1.6	0 - 23	<a href="#">107TA4315</a>
0 - 2.5	0 - 35	<a href="#">107TA4309</a>
-1 - +3	-1 - +40	<a href="#">107TA4310</a>
0 - 4	0 - 60	<a href="#">107TA4311</a>
0 - 6	0 - 80	<a href="#">107TA4312</a>
0 - 10	0 - 150	<a href="#">107TA4313</a>
0 - 16	0 - 230	<a href="#">107TA4314</a>
0 - 25	0 - 350	<a href="#">107TA4316</a>
0 - 40	0 - 600	<a href="#">107TA4317</a>
0 - 60	0 - 850	<a href="#">107TA4318</a>
0 - 100	0 - 1500	<a href="#">107TA4319</a>
0 - 160	0 - 2300	<a href="#">107TA4320</a>
0 - 250	0 - 3600	<a href="#">107TA4321</a>
0 - 400	0 - 5800	<a href="#">107TA4322</a>
0 - 600	0 - 8450	<a href="#">107TA4323</a>



### PRESSURE GAUGES FOR OIL

- Connection 1/4" BSP
- Case: Ø 63
- Stainless steel
- Filled with glycerine
- Connection on the back side

bar	PSI	REF
-1 - +3	-1 - +40	<a href="#">107TA4298</a>
0 - 6	0 - 80	<a href="#">107TA4299</a>
0 - 10	0 - 150	<a href="#">107TA4300</a>
0 - 16	0 - 230	<a href="#">107TA4301</a>
0 - 25	0 - 350	<a href="#">107TA4302</a>
0 - 40	0 - 600	<a href="#">147TA5166</a>
0 - 60	0 - 850	<a href="#">107TA4303</a>
0 - 100	0 - 1500	<a href="#">107TA4304</a>
0 - 160	0 - 2300	<a href="#">107TA4305</a>
0 - 250	0 - 3600	<a href="#">107TA4306</a>
0 - 400	0 - 5800	<a href="#">107TA4307</a>
0 - 600	0 - 8750	<a href="#">144TA6927</a>

## ANALOG PRESSURE GAUGES

### MULTI-PRESSURE TESTER

Pressure testing devices for hydraulic, air and vacuum systems.

#### Technical information:

- Glycerine-filled gauge for a safe read-out
- Built-in valve protects device against high pressures
- Readings in PSI (pounds/inch<sup>2</sup>) or bar (kgf/cm<sup>2</sup>)
- Dust and moisture resistant
- Compact, provided with a 90 cm flexible hose,
- 1/8" NPTF connection
- Compatible with most hydraulic fluids

REF [107TA4297](#)



## ACCESSORIES FOR ANALOG PRESSURE GAUGES



### PRESSURE GAUGE SUPPORT

to connect the pressure gauge to a wall

REF [147TA5168](#)



### RUBBER PROTECTION

for  $\varnothing$  63 mm pressure gauges

REF [147TA5165](#)

## DIGITAL PRESSURE GAUGES



### DIGITAL PRESSURE GAUGES

Digital pressure gauge with pressure peak display

- Digital measuring and displaying of pressures
- Accuracy typ. 0.5% FS (full scale)
- Capturing pressure peaks
- Easy operation, robust and reliable
- Battery life time cycle 1500 hrs

bar	PSI	REF
0 - 100	0 - 1500	<a href="#">116TA5801</a>
0 - 400	0 - 5800	<a href="#">116TA5802</a>
0 - 600	0 - 8750	<a href="#">116TA5803</a>

## DIGITAL PRESSURE GAUGE KITS



The kit is the ideal tool for every application in service, maintenance and repair of hydraulic systems. Depending on the pressure ranges you can choose between 3 variants. This kit is delivered in a durable case.

The kit can be used for quick and reliable troubleshooting.

### Kit contains:

- 1 digital manometer
- 1 test hose 1.5 m

bar	PSI	REF
Kit 0-100	0 - 1500	<a href="#">116TA5807</a>
Kit 0-400	0 - 5800	<a href="#">116TA5805</a>
Kit 0-600	0 - 8750	<a href="#">116TA5806</a>

## DIAGNOSTIC SERVICE KITS



### BASIC PRESSURE MEASURING KIT

This kit contains the most basic components to diagnose the hydraulics. All this is included in a durable case.

#### Contents:

- 1 manometer 0 – 40 bar (0 – 600 PSI)
- 1 manometer 0 – 400 bar (0 – 6000 PSI)
- 1 test point: 1/8" BSP
- 1 test point: 1/4" BSP
- 1 test hose: 2 m
- 1 coupling: 1/4" BSP -> 3/8" BSP
- 1 coupling: 1/4" BSP -> M 18

REF [147TA5184](#)



### GENERAL PRESSURE MEASURING KIT

This diagnostic service case has all the general components to diagnose the hydraulics on your machine.

All these items are included in a durable case.

#### Contents:

- 1 Digital manometer 0 – 600 bar
- 1 Test hose 1.5 m
- 11 Testcouplings in metric, BSP and UNF thread

REF [147TA5167](#)



### PRESSURE MEASURING KIT

This diagnostic service case has all the required components to diagnose the hydraulics on your machine.

Used for general diagnostics on LINDE machines.

#### Contents:

- All these items are included in a very durable ABS case
- Test points in various dimensions: M8 – M10 – M12 – M14
- There are also test points with adaptors included to fit inside your machine
- Test hoses in different lengths: 1 hose with length 1.5 m and 2 hoses with length 1 m
- Hose caps in various dimensions to diagnose your piston pump
- Analog pressure gauges with different ranges: 1 pressure gauge with a 0–600 bar range and 2 pressure gauges with a 0–60 bar range

Other test points, test hoses and pressure gauges are available from stock. Please contact the sales department.

REF [134TA2344](#)

## DIAGNOSTIC SERVICE KITS



### UNIVERSAL ACCUMULATOR PRESSURE CONTROL KIT

This kit enables you to check or to change the pressure of a Hydraulic accumulator. Discharging the accumulator is also possible with this kit. Compatible with all hydraulic accumulator connections. All this comes in a durable, lightweight case.

#### Contents:

- Charging valve
- 1 Gauge 0 - 25 bar
- 1 Gauge 0 - 250 bar
- 5 Most used accumulator connections (3/4 BSP; M16 x 2; M28 x1.5; 5/8 UNF; 7/8 UNF)
- Adapters to connect French and German nitrogen bottles
- 2.5 m hose to connect the valve to bottle

REF [134TA2343](#)

## HYDRAULIC FLOW INDICATORS



### BASIC FLOW INDICATORS

These in-line flow indicators are designed for trouble shooting the hydraulics of the machine. They can be mounted in any orientation and are weather proof for outside use. Pressure up to 240 bar (3500 PSI) are acceptable. Operating temperatures may not exceed 110 °C (240 °F).

Ports	Flow range	REF
1/2" BSP	2 - 18 l/min (0.5 - 5 US gpm)	<a href="#">147TA5164</a>
3/4" BSP	12 - 113 l/min (3 - 30 US gpm)	<a href="#">147TA5163</a>



### FLOW AND TEMPERATURE INDICATOR

This indicator can measure flow and temperature of your hydraulic system.

#### Technical specifications:

- Flow range: 10 to 200 l/min (0-50 US gpm)
- Pressures up to 280 bar (4000 PSI)
- Temperature: up to 110 °C (230 °F)
- 1 1/2" BSP Port size
- Possibility to connect a pressure gauge with minimes

REF [134TA2635](#)



### FLOW INDICATOR WITH LOADING VALVE TO 120 L/MIN

This indicator can measure flow, temperature and pressure of your hydraulic system in both directions.

#### Technical specifications:

- Flow range: 5 to 120 l/min (1.3 - 32 US gpm)
- Pressures up to 420 bar (6000 PSI)
- Temperature: up to 110 °C (230 °F)
- 1" BSP Port size

REF [134TA2637](#)

## HYDRAULIC FLOW INDICATORS



### FLOW INDICATOR WITH LOADING VALVE TO 200 L/MIN

This indicator can measure flow, temperature and pressure of your hydraulic system in both directions.

#### Technical specifications:

- Flow range: 10 to 200 l/min (2.5 – 54 US gpm)
- Pressure: 0 - 420 bar (6000 PSI)
- Temperature: up to 110 °C (230 °F)
- 1" BSP Port size

REF [143TA5650](#)



### DIGITAL HYDRAULIC TESTER

This hydraulic tester shows the flow and temperature digitally with the push of a button.

The pressure is shown analogue. It comes with a built-in loading valve, which enables you to test the system. The tester can be used in both directions which simplifies the testing. The device is robust, portable and lightweight.

All these items are included in a very durable steel case.

#### Technical specifications:

- Flow range: 10 – 400 lpm (2.5 – 100 US gpm)
- Pressure: 0 - 420 bar (6000 PSI)
- Temperature up to 120 °C (250 °F)
- 1" BSP Port size

Please contact the sales division if you are interested in a more heavy duty version.

REF [134TA2639](#)

## MINIMESS SYSTEM



### MINIMESS TEST COUPLINGS M16 X 2 SYSTEM

Dimensions	REF
M10 x 1	<a href="#">147TA5169</a>
M12 x 1.5	<a href="#">147TA5170</a>
M14 x 1.5	<a href="#">147TA5171</a>
M16 x 1.5	<a href="#">147TA5172</a>
1/8 BSP	<a href="#">147TA5173</a>
1/4 BSP	<a href="#">147TA5174</a>
3/8 BSP	<a href="#">147TA5175</a>
7/16 UNF	<a href="#">147TA5176</a>
9/16 UNF	<a href="#">147TA5177</a>
3/8 UNF	<a href="#">147TA5178</a>

## DIRECT GAUGE ADAPTER



REF [163TA8687](#)

## TESTHOSE



### HYDRAULIC TEST HOSE M16 X 2 SYSTEM MAX P (630 BAR)

Other lengths and connectors also available.  
Please contact your sales advisor.

Dimensions	Length	REF
M16 x 2 - M16 x 2	1 m	<a href="#">147TA5179</a>
M16 x 2 - M16 x 2	1.5 m	<a href="#">147TA5180</a>
M16 x 2 - M16 x 2	2 m	<a href="#">147TA5181</a>



### TESTHOSE COUPLER

Max P 630 bar

#### Technical specifications:

2 times M16 x 2

REF [143TA5681](#)



### PRESSURE GAUGE TO TEST HOSE COUPLING

Max P 630 bar

#### Technical specifications:

- Manometer side: 1/4" BSP
- Test hose side: M16 x 2

REF [147TA5183](#)

## PLUG IN SYSTEM



Dimensions	REF
M8	<a href="#">163TA8688</a>
M10	<a href="#">163TA8689</a>

## CONVERTOR ADAPTOR



M16 x 2 <-> Plug in system

REF [163TA8690](#)







**11.**

# **HYDRAULIC SEALS**

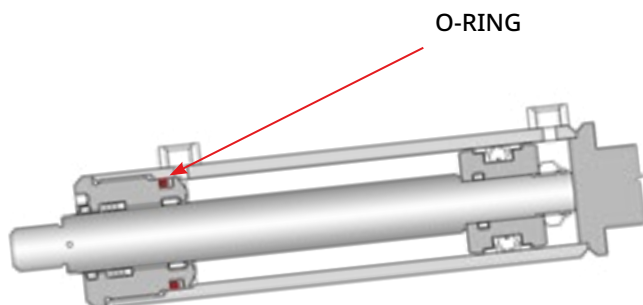
## HOW TO INSTALL A SEAL

Need to install a seal? We have got you covered!  
The installation can happen smoothly when following the right guidelines

### General advice

1. All repairs with hydraulic components must be carried out in a dust- and moisture-free environment!
2. Make sure all the parts are clean, without any burrs or welding residue ...
3. Prevent any contact with sharp edges or threads during the installation. Drilling holes need to be chamfered.
4. Use the right installation tools, sleeves or mounting tubes (REF [139TA6252](#)).
5. Lubricate every linear seal with the same (or compatible) fluid as the one you use in the hydraulic system. O-rings are an exception to the rule; these parts need to be installed without any lubrication.
6. Don't leave seals in a deformed position during assembly.
7. Install the seal in the correct orientation in regard to the direction of the fluid.

## O-RING / QUAD RING



### Fitting and removing

O-rings are not that easy to fit or to remove. They can be small or are located in hard-to-reach places. Additionally, they can get damaged when they are used or installed incorrectly. That is why it is essential to use the correct tools when working with O-rings. The O-ring pick set (REF [166TA2284](#)) is suitable for fitting and removing O-rings in all situations.

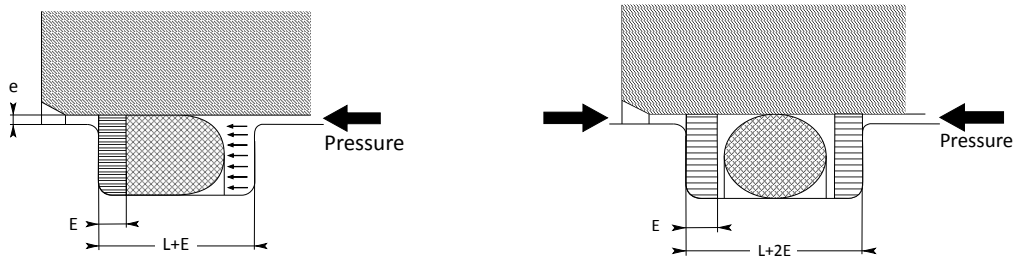


## HOW TO INSTALL A SEAL

### Installation steps

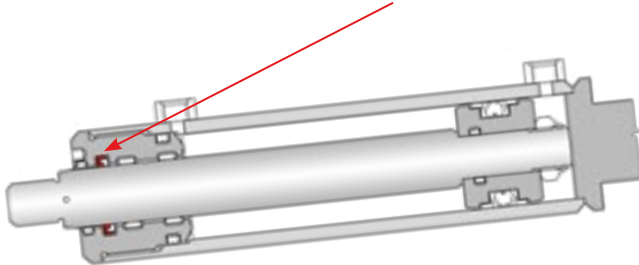
1. **Don't use a lubricant** for the initial installation. Ideally, the gland should grab the O-ring while you push the remaining part of the seal in its correct position.
2. Use an O-ring installation tool (REF 166TA2284). Because many female glands are in very tight spaces, an O-ring installation tool can help secure the seal into place without damaging the seal.
3. If you need lubrication to assemble the fixture, it should be applied after the installation of the O-ring.
4. Make sure the male part of the fixture has an adequate lead-in chamfer, to avoid any mechanical damage to the seal.
5. Do not roll or twist the O-ring during mounting. This can cause spiralling or deformation and incorrect sealing.

Extrusion may appear when the gap between the sealing surface and the groove is too large. Part of the O-ring may be forced into this gap when the pressure exceeds the deformation limit of the O-ring. Install a back-up ring on the low pressure side of the O-ring to prevent extrusion. In double acting applications a back-up ring is installed on both sides of the O-ring.



## LIP SEAL / WIPER RING IN CLOSED GROOVE / XS-RING WHEN USED AS ROD SEAL

### LIP SEAL



### Fitting and removing

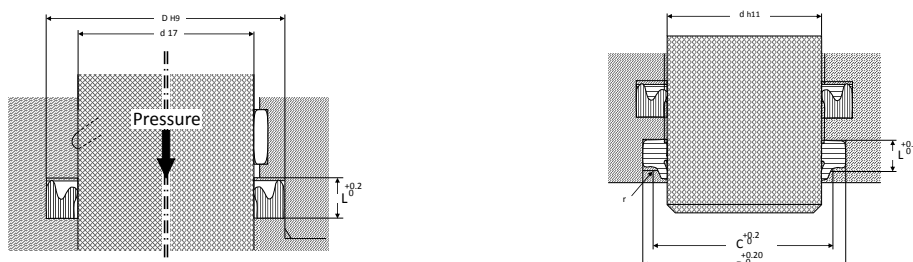
Use REF [141TA1325](#) or fingers. **In order to prevent damage to the seal, never use a screwdriver.**

### Determining the size

A lot of the lip seals will mention their size on the seal itself. Keep in mind that the height mentioned on the seal can be either the actual height of the seal or the height of the housing.

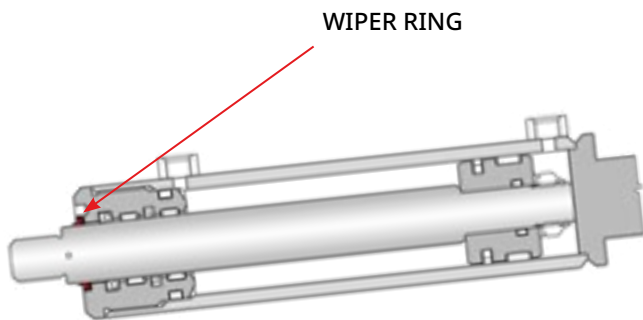
In the case there are no measurements on the seal, you should first check if the machine is in metric or in inches. Measure the dimensions of the housing to determine the correct size of the seal.

### Correct orientation



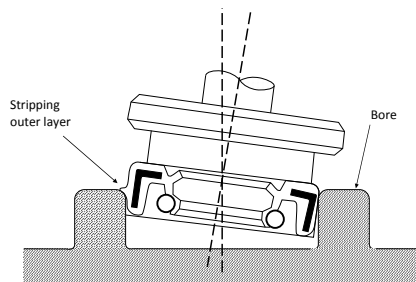
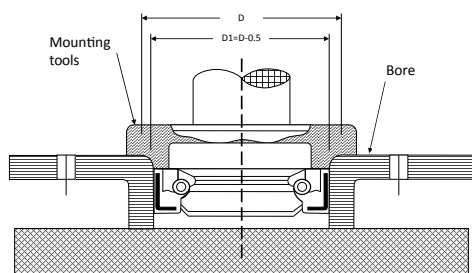
## HOW TO INSTALL A SEAL

### WIPER RING IN OPEN GROOVE

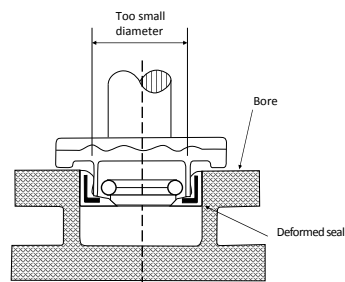
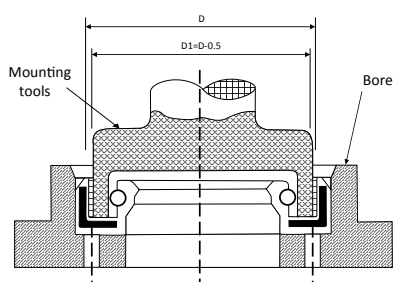
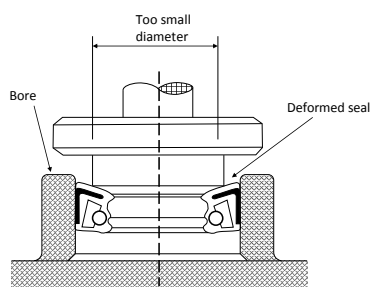
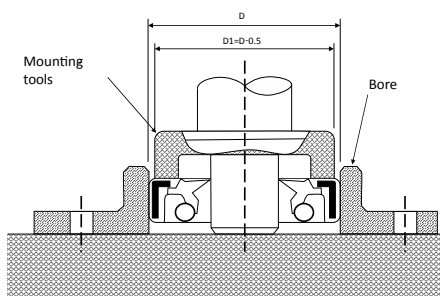


#### Installation of wipers with a steel case:

1. Check the chamfer of the housing
2. Push the metal caged wiper carefully in the groove with a press
3. Use a tool which cannot deform the wiper seal
4. Install the wiper seal evenly and aligned

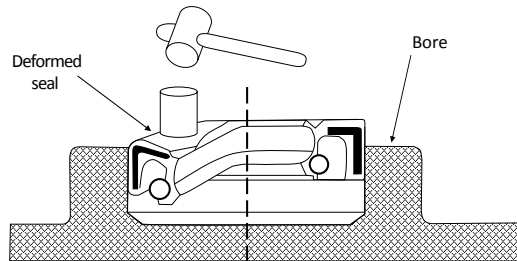
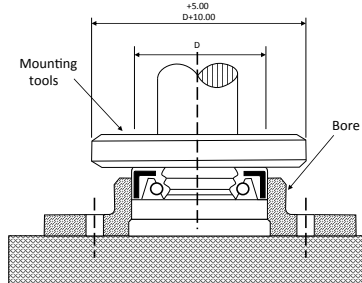


5. Do not use a tool with a diameter that is too small.



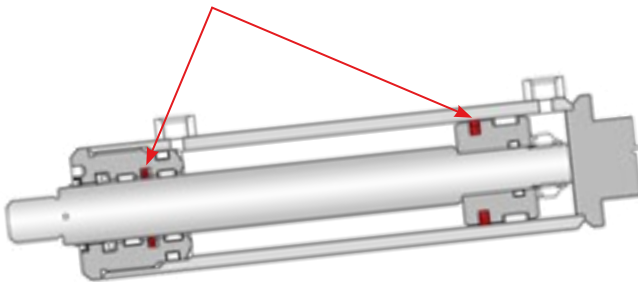
6. Never use force to insert the seal into the bore; use a rubber mallet carefully and evenly.

## HOW TO INSTALL A SEAL



## COMPOSITE SEAL

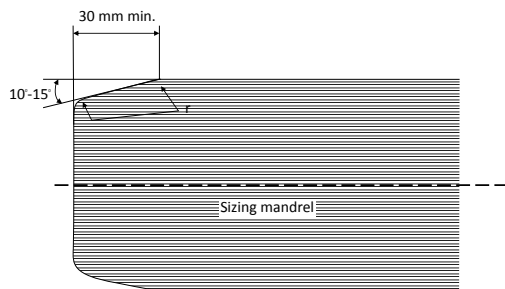
### COMPOSITE SEAL



### Fitting and removing

#### Installing a composite rod seal:

1. Install the O-ring as mentioned above.
2. Compress the PTFE ring into a bean shape similar as you would with a lip seal.
3. Place the compressed PTFE ring in the housing and push against the O-ring
4. Use a sizing mandrel with a long lead-in chamfer to recalibrate the PTFE ring



#### Installing a PTFE piston seal:

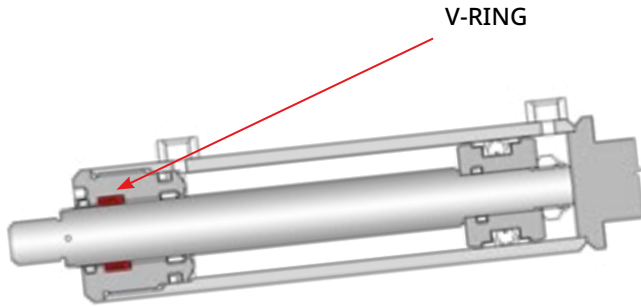
1. Install the O-ring as mentioned above.
2. Place the mounting straps (REF [166TA5168](#)) through the seal ring and hook one section of the ring on the piston.

3. By using both straps, place the seal over the piston in the groove by slightly pulling at the straps and let them slide around the seal by swiveling movements.
4. Recalibrate the PTFE ring with a seal clasper (REF [141TA1324](#)).



## HOW TO INSTALL A SEAL

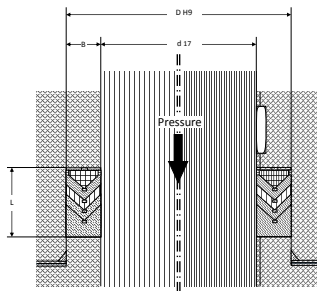
### V-PAC



#### Fitting and removing

1. Softly knead the lips between thumb and forefinger over the entire circumference to facilitate the installation.
2. The spreader ring must have radial grooves for bringing pressure on all sections of the seal.
3. The different elements must be well lubricated before mounting and are fitted without twisting being twisted or turned.

#### Correct orientation



#### Troubleshooting / failure mode

Problem	Cause	Cause
Seal is twisted. Small pieces have been torn off where the seal passed over a hard edge.	Seals have been mounted incorrectly.	Follow the instructions as mentioned in this document.
Seal is worn on one side only. Piston rod cylinder tube is worn on the opposite side.	Damaged piston rod or rod bearings. Usually caused by poor alignment or a bent piston rod.	Realign or replace the piston rod.
Seal shows score marks.	Abrasive particles suspended in the fluid.	Introduce appropriate filtration methods.
Seal has crumbled or disintegrated.	Hydrolysis.	Install metal rod scrapers or rod bellows.
Seal appears to be nibbled?	Airborne contamination (dieseling).	Bleed out the hydraulic system.
Hard, cracked and brittle seals.	Extreme temperatures.	Change to a seal for the appropriate temperature. Check the hydraulic system if it's running at the right temperature.
Seals feel sticky or may appear dry and cracked. Seal may have shrunk or swollen.	Chemical attack (fluid incompatibility).	Ask your TVH representative for his recommendation for a particular fluid.

## **HOW TO INSTALL A SEAL**

Seals may be worn uniformly around their inner sealing surface. Extrusion damage expelling chunks from the seal.

High pressure leaks (gap extrusion).

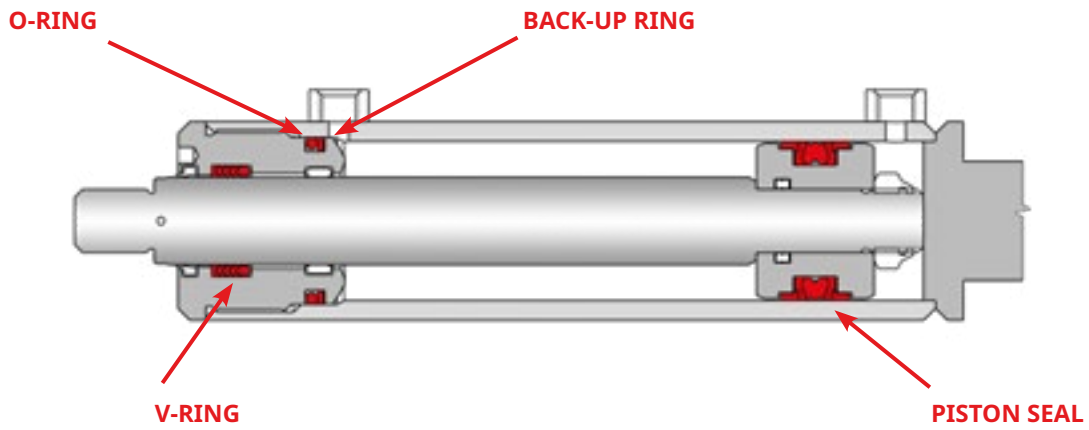
Check for flow restrictions. Install a back-up ring.

Wiper seal has extrusion damage but the lip seal is undamaged.

Low pressure leaks.

Substitute the lip seal for better low pressure sealing or raise the backpressure to 30 bar.

## HYDRAULIC SEALS



O-RING



You can also use our technical sheet:



BACK-UP RING



You can also use our technical sheet:



V-RING



You can also use our technical sheet:



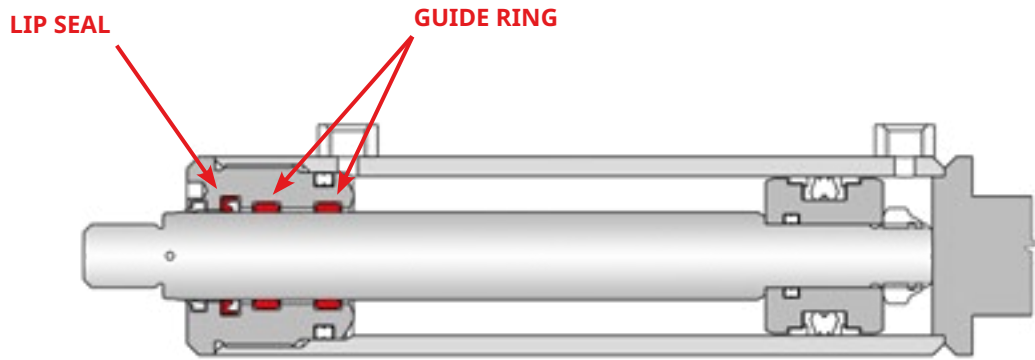
PISTON SEAL



You can also use our technical sheet:



## HYDRAULIC SEALS



LIP SEAL



You can also use our technical sheet:



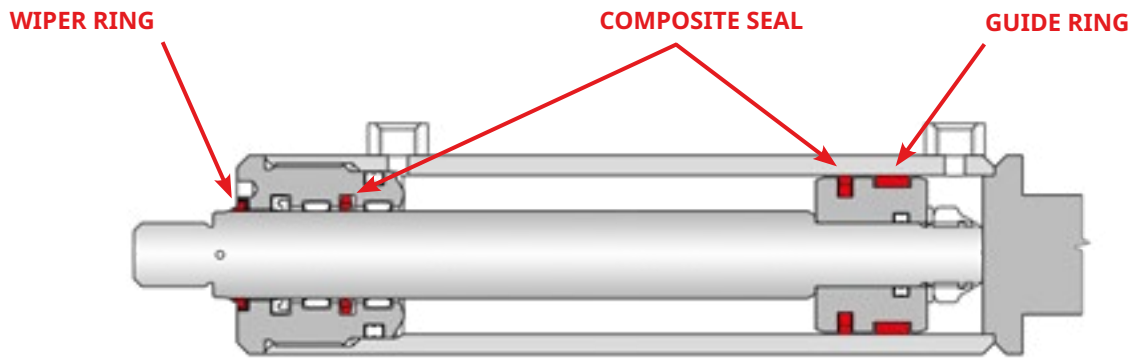
GUIDE RING



You can also use our technical sheet:



## HYDRAULIC SEALS



WIPER RING



You can also use our technical sheet:



COMPOSITE SEAL



You can also use our technical sheet:



GUIDE RING

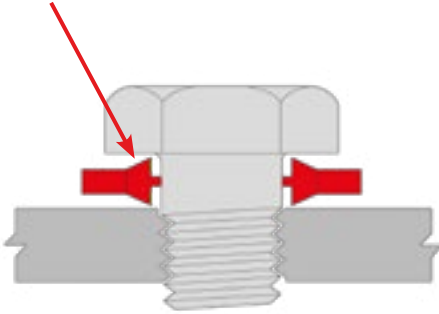


You can also use our technical sheet:

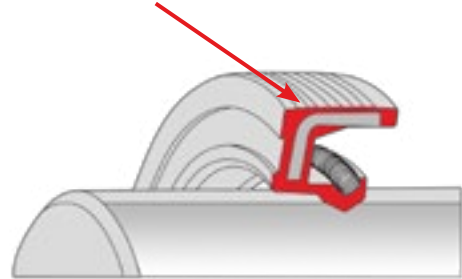


## HYDRAULIC SEALS

BONDED SEAL



OIL SEAL



BONDED SEAL



You can also use our technical sheet:



OIL SEAL



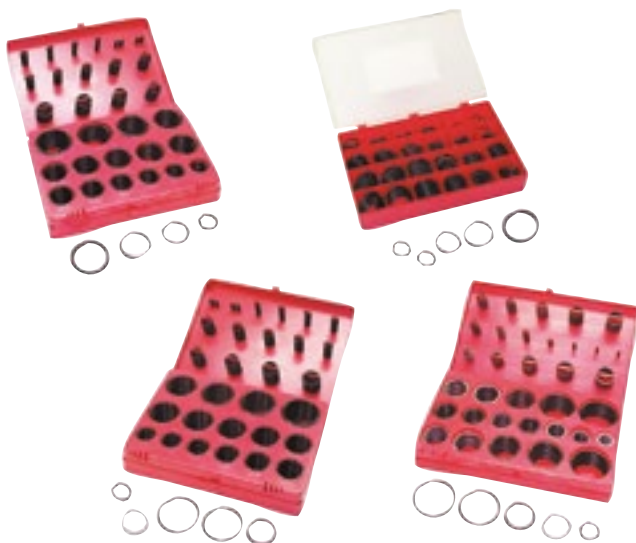
You can also use our technical sheet:



How to install a seal:



## STATIC SEALS



REF [107TA5439](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
18.0 x 2	15	25.0 x 4	15	48.0 x 4	10
20.0 x 2	15	30.0 x 4	15	50.0 x 4	10
22.0 x 3	15	32.0 x 4	15	25.0 x 5	10
25.0 x 3	15	34.0 x 4	15	30.0 x 5	10
28.2 x 3	15	36.0 x 4	15	35.0 x 5	10
30.2 x 3	15	38.0 x 4	10	40.0 x 5	10
32.2 x 3	10	40.0 x 4	10	45.0 x 5	5
36.2 x 3	10	44.0 x 4	10	50.0 x 5	5

REF [107TA5438](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
2.8 x 1.9	22	13.8 x 2.5	13	28 x 3.5	10
3.8 x 1.9	22	15.8 x 2.5	13	30 x 3.5	10
4.8 x 1.9	20	17.8 x 2.5	13	32 x 3.5	10
5.8 x 1.9	19	19 x 2.5	13	33 x 3.5	10
6.8 x 1.9	19	19 x 3.5	10	35 x 3.5	10
7.8 x 1.9	19	21 x 3.5	10	36 x 3.5	11
8.8 x 1.9	19	22 x 3.5	10	38 x 3.5	10
9.8 x 2.5	13	24 x 3.5	10	38 x 5.3	7
10.8 x 2.5	13	25 x 3.5	10	41 x 5.3	7
11.8 x 2.5	13	26 x 3.5	10	44 x 5.3	7

REF [107TA5437](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
3.0 x 2	16	14.0 x 2.5	13	28.0 x 3	12
4.0 x 2	16	16.0 x 2.5	13	30.0 x 3	12
5.0 x 2	16	17.0 x 2.5	13	32.0 x 3	12
6.0 x 2	16	19.0 x 2.5	13	33.0 x 3	12
7.0 x 2	16	19.0 x 3	11	35.0 x 3	12
8.0 x 2	16	20.0 x 3	12	36.0 x 3	12
10.0 x 2	16	22.0 x 3	12	38.0 x 3	12
10.0 x 2.5	13	24.0 x 3	12	38.0 x 4	9
11.0 x 2.5	13	25.0 x 2.5	11	41.0 x 4	9
12.0 x 2.5	13	27.0 x 3	11	44.0 x 4	9

We also have boxes of O-rings and back-up rings available. Please contact our sales department for dimensions and availability.

REF [107TA5440](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
3.0 x 2	20	11.3 x 2.4	15	15.0 x 3	10
4.0 x 2	20	12.3 x 2.4	15	18.0 x 3	10
5.0 x 2	20	13.3 x 2.4	15	19.2 x 3	10
6.0 x 2	20	14.3 x 2.4	15	24.2 x 3	10
7.0 x 2	20	15.3 x 2.4	15	39.2 x 3	10
8.0 x 2	20	16.3 x 2.4	15	44.2 x 3	10
9.0 x 2	20	17.3 x 2.4	15	49.2 x 3	10
10.0 x 2	20	18.3 x 2.4	15	39.5 x 3.5	10
9.3 x 2.4	15	19.3 x 2.4	15	44.5 x 3.5	10
10.3 x 2.4	15	20.3 x 2.4	15	49.2 x 5.7	5

REF [107TA5434](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
2.90 x 1.78	20	9.25 x 1.78	20	34.52 x 3.53	10
3.68 x 1.78	20	15.54 x 2.62	13	32.92 x 3.53	10
4.48 x 1.78	20	17.13 x 2.62	13	31.34 x 3.53	10
5.28 x 1.78	20	18.72 x 2.62	13	29.75 x 3.53	10
6.07 x 1.78	20	18.64 x 3.53	10	20.22 x 3.53	10
7.66 x 1.78	20	37.69 x 3.53	10	21.82 x 3.53	10
13.95 x 2.62	13	37.47 x 5.33	7	23.40 x 3.53	10
12.37 x 2.62	13	40.65 x 5.33	7	24.99 x 3.53	10
10.78 x 2.62	13	43.82 x 5.33	7	26.58 x 3.53	10
9.19 x 2.62	13	36.10 x 3.53	10	28.17 x 3.53	10

REF [107TA5435](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
3.0 x 1.5	20	6.3 x 2.4	15	10.0 x 3	10
5.0 x 1.5	20	8.3 x 2.4	15	12.0 x 3	10
7.0 x 1.5	20	11.3 x 2.4	15	14.0 x 3	10
9.0 x 1.5	20	13.3 x 2.4	15	16.0 x 3	10
11.0 x 1.5	20	17.3 x 2.4	15	18.0 x 3	10
6.0 x 2	20	5.0 x 2.5	15	20.2 x 3	5
8.0 x 2	20	7.0 x 2.5	15	22.2 x 3	5
10.0 x 2	20	10.0 x 2.5	15	24.2 x 3	5
12.0 x 2	20	12.0 x 2.5	15	26.2 x 3	5
14.0 x 2	20	15.0 x 2.5	15	30.2 x 3	5

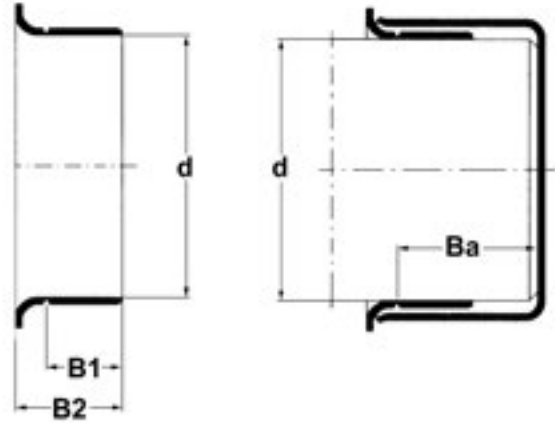
REF [107TA5436](#)

Dimensions	Qty	Dimensions	Qty	Dimensions	Qty
2.90 x 1.78	20	15.60 x 1.78	10	20.29 x 2.62	5
3.68 x 1.78	20	17.16 x 1.78	5	21.89 x 2.62	5
4.48 x 1.78	20	18.77 x 1.78	5	23.47 x 2.62	5
5.28 x 1.78	20	9.19 x 2.62	15	18.64 x 3.53	5
6.07 x 1.78	20	10.78 x 2.62	15	20.22 x 3.53	5
7.66 x 1.78	20	12.37 x 2.62	15	21.82 x 3.53	5
9.25 x 1.78	20	13.95 x 2.62	15	23.40 x 3.53	5
10.82 x 1.78	15	15.54 x 2.62	10	24.99 x 3.53	5
12.42 x 1.78	15	17.13 x 2.62	10	26.58 x 3.53	5
14.00 x 1.78	10	18.72 x 2.62	10	28.17 x 3.53	5

Also available in other variations of hardness. To order O-rings, please use prefix 401 and add the inner dimensions and the thickness of the O-ring. For example: 401/045.00x03.00NBR80

All dimensions are in mm.

## SPEEDI SLEEVE MEASUREMENT TABLE



Ø d mm	B1 mm	REF	Ø d mm	B1 mm	REF	Ø d mm	B1 mm	REF
20		<a href="#">107TA5855</a>	48.56		<a href="#">107TA5879</a>	82.55		<a href="#">107TA5903</a>
22.23		<a href="#">107TA5856</a>	49.23		<a href="#">107TA5880</a>	82		<a href="#">107TA5904</a>
25		<a href="#">107TA5857</a>	50		<a href="#">107TA5881</a>	84.07		<a href="#">107TA5905</a>
25.4		<a href="#">107TA5858</a>	50.8		<a href="#">107TA5882</a>	88.9		<a href="#">107TA5906</a>
27		<a href="#">107TA5859</a>	52.4		<a href="#">107TA5883</a>	90		<a href="#">107TA5907</a>
28		<a href="#">107TA5860</a>	53.98		<a href="#">107TA5884</a>	91.97		<a href="#">107TA5908</a>
28.58		<a href="#">107TA5861</a>	55		<a href="#">107TA5885</a>	92.08		<a href="#">107TA5909</a>
30		<a href="#">107TA5862</a>	55.58		<a href="#">107TA5886</a>	95.25		<a href="#">107TA5910</a>
31.8		<a href="#">107TA5863</a>	57.15		<a href="#">107TA5887</a>	95		<a href="#">107TA5911</a>
32		<a href="#">107TA5864</a>	60		<a href="#">107TA5888</a>	100		<a href="#">107TA5912</a>
33.35		<a href="#">107TA5865</a>	60.33		<a href="#">107TA5889</a>	101.6		<a href="#">107TA5913</a>
34.01		<a href="#">107TA5866</a>	61.93		<a href="#">107TA5890</a>	107.95		<a href="#">107TA5914</a>
34.93	12.7	<a href="#">107TA5867</a>	63.5		<a href="#">107TA5891</a>	109.93		<a href="#">107TA5915</a>
34.93	13	<a href="#">107TA5868</a>	65		<a href="#">107TA5892</a>	111.13		<a href="#">107TA5916</a>
36.6		<a href="#">107TA5869</a>	66.68	12.7	<a href="#">107TA5893</a>	114.3		<a href="#">107TA5917</a>
38.1		<a href="#">107TA5870</a>	66.68	19.8	<a href="#">107TA5894</a>	120		<a href="#">107TA5918</a>
40.08		<a href="#">107TA5871</a>	69.85		<a href="#">107TA5895</a>	120.65		<a href="#">107TA5919</a>
41.28		<a href="#">107TA5872</a>	70		<a href="#">107TA5896</a>	127		<a href="#">107TA7678</a>
41.9		<a href="#">107TA5873</a>	73.03		<a href="#">107TA5897</a>	133.35		<a href="#">107TA5920</a>
44.45		<a href="#">107TA5874</a>	75		<a href="#">107TA5898</a>	152.4		<a href="#">107TA5921</a>
45		<a href="#">107TA5875</a>	76.2	20.6	<a href="#">107TA5899</a>			
46.05		<a href="#">107TA5876</a>	76.2	15.9	<a href="#">107TA5900</a>			
47.63		<a href="#">107TA5877</a>	79.38		<a href="#">107TA5901</a>			
48.03		<a href="#">107TA5878</a>	80		<a href="#">107TA5902</a>			

Other dimensions available.



A close-up photograph of a hydraulic cylinder component, showing a dark, circular opening and a metallic surface with some wear and tear. The image is partially obscured by a large red diagonal shape that covers the right side of the page.

*12.*

# **HYDRAULIC CYLINDERS**

## HYDRAULIC CYLINDERS



We offer a complete range of separate cylinder parts, i.e. cylinder tubes, piston shafts and rods, cylinder heads,...

We can repair all cylinders for mobile applications (except telescopic cylinders).

**Please use our repair form:**



For more information, contact your sales advisor.

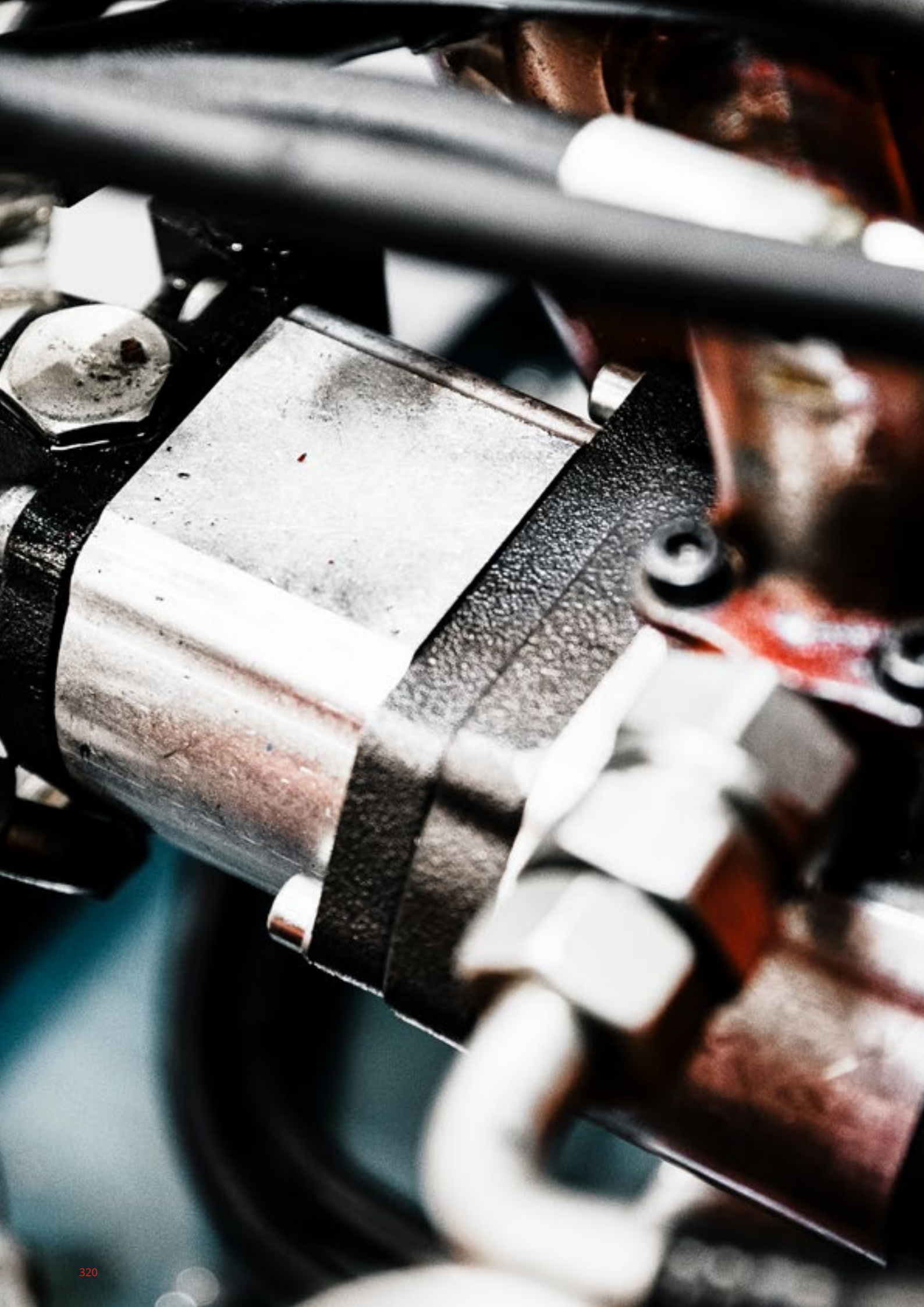
**You can also fill in our technical sheet, this will help us to find the correct replacement part for your cylinder.**



## TEST BENCH FOR HYDRAULIC CYLINDERS



We test all our cylinder assemblies on our own cylinder test bench to guarantee our customers a perfect working cylinder.





**13.**

**HYDRAULIC  
PUMPS**

## HYDRAULIC PUMPS



TVH has a large stock of hydraulic pumps for all material handling makes and models.  
**We stock over 2000 different pumps.**

**We can offer you the brands below:**

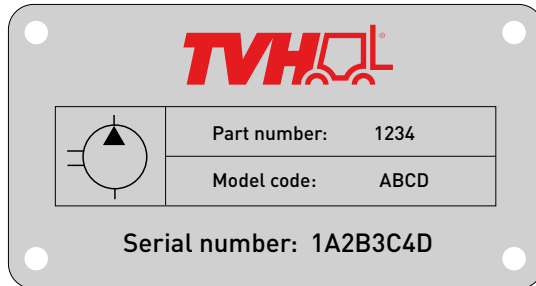
**Bondioli & Pavesi, Bucher, Caproni, Casappa, Chapel, Concentric (Haldex - John S Barnes), Danfoss, Eaton hydraulics - Vickers, Eckerle, Galtech, HPI, Hydreco (David Brown), Kawasaki, KYB, Linde Hydraulics, Marzocchi, Nihon Spindle, Parker (Ultra - Dowty - Commercial - Denison), Rexroth, Roquet, Salami, Shimadzu, Turolla**



## HOW TO FIND THE CORRECT HYDRAULIC PUMP

To order a hydraulic pump give us the full details on the ID plate on the pump, engravings in the pump housing or by giving us the complete machine details.

Example



If you have an ID plate we need the following details in order to find the correct pump: Brand (example TVH), Partnumber (example: 1234), Modelcode (example: ABCD). If you could send us a clear and readable picture of the ID plate on the pump, this will also enable us to find the correct pump for you. If you have a double pump in most cases the front pump (with shaft and mounting flange) will have the ID plate for the complete assy.

Look up your hydraulic pump via  
**MyProductSearch** in our online shop



If you don't have an account yet,  
please click on the QR code below:



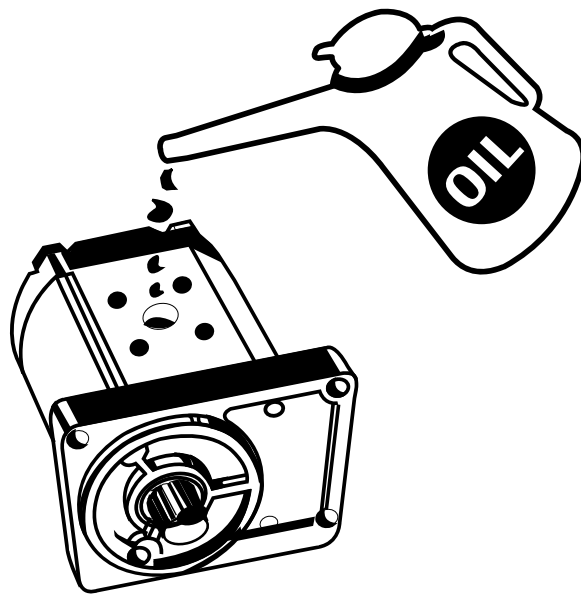
You can also fill in our technical sheet,  
this will help us to find the correct replacement part for your hydraulic pump.



## WARRANTY SHEET: HYDRAULIC PUMP

### General guide lines for the replacement of a hydraulic pump:

- Hydraulic reservoir and connecting leads/tubes must be bled and cleaned
- Replace ALL hydraulic filters, check suction-lead for leaks and replace (if present) suction filter
- Only use oil recommended by the manufacturer
- Do not drive or force the coupling on the shaft
- Lubricate the shaft end before installation
- Use the right couplings and connections
- Fill up suction-lead completely
- Fill the pumps casing completely with oil
- Always check the direction of rotation of the pump before fitting it in the machine
- **Before starting** the engine, always make sure that the **pressure relief valve** is brought to a **zero level** and run the system at zero pressure for a few minutes, **before** gradually **increasing** the **pressure** to the manufacturers recommended level



**BEFORE MOUNTING:**  
fill all ports with enough oil ISO 46

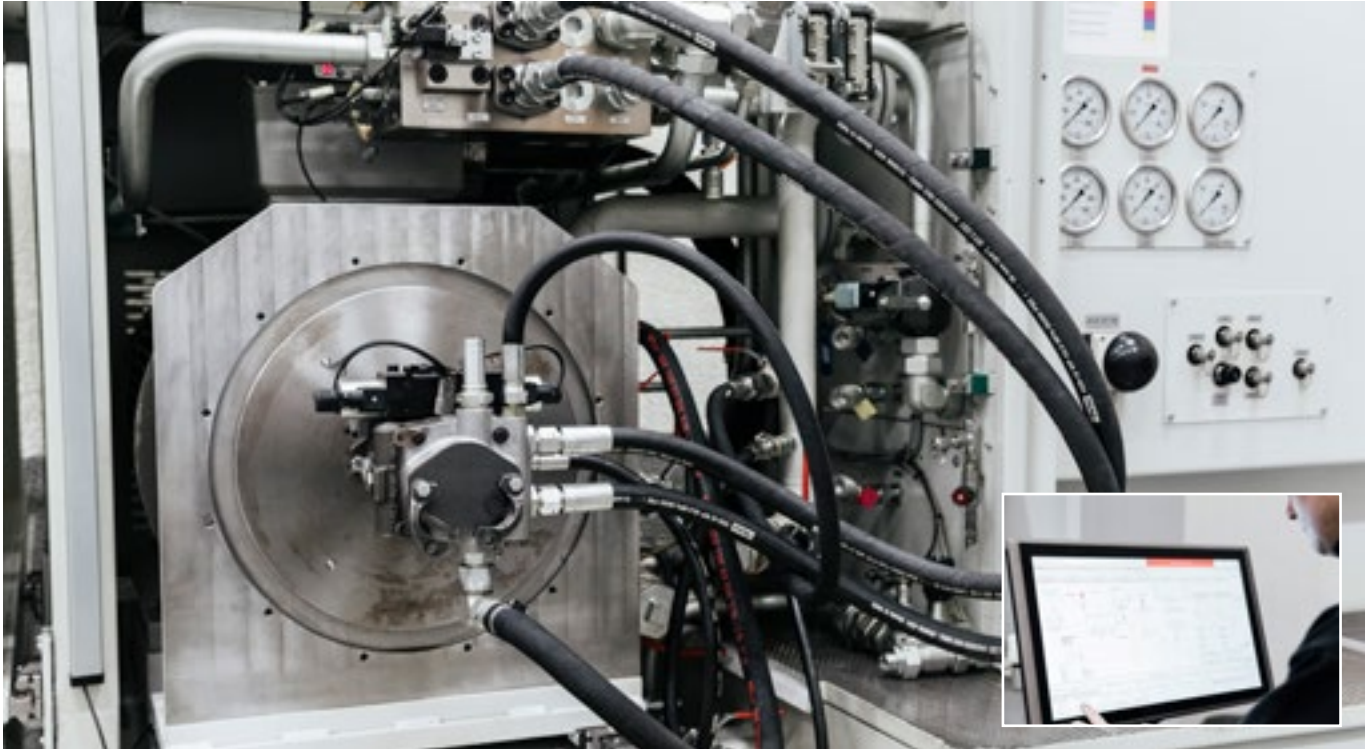
Please see "link /QR code" for a video on how to correctly install a hydraulic pump,  
<https://vimeo.com/tvhgroup/hydraulicpump>



## START UP PROCEDURE HYDRAULIC PUMP

	<p>P = 0 bar</p> <p>10 minutes</p>
	<ol style="list-style-type: none"> <li>1. Before start up set relief valve(s) to 0 bar</li> <li>2. Start motor and let it run for 10 min</li> <li>3. Then set RV to required setting (see machine manual)</li> </ol>

## PUMP TEST BENCH FOR HYDRAULIC GEAR PUMPS & HYDRAULIC PISTON PUMPS



Quality is an important factor for the profitability of your company. In order to guarantee quality, we do not want to make any concessions. That is why we continue to innovate, for example with the hydraulic inspection on our hydraulic test benches. We use this to test the efficiency of your hydrostatic and powershift transmissions, hydraulic pumps, engines, valves and cylinders.

Components are tested with a maximum load. Only in this way can we guarantee the quality of repairs. An advantage is that components are tested separately and that your complete machine is not used as a test bench. This saves a lot of time. Ultimately, you want to prevent your machine from being idle for too long. So that's our priority too.

Our electric-powered pump test bench is capable of testing open and closed loop pumps from 45 up to 140 kW. A stepless speed control between 0 and 2800 rpm makes it possible to test most common pumps.

Our test bench is capable of pressure testing from 0 up to 440 bar. Two turbine sensors measure work flow up to 300 l / min and leakage flow up to 75 l / min .

The oil flow in combination with pressure, temperature and drive speed is monitored on a computer screen ,and test results are linked with the serial number of the pump .

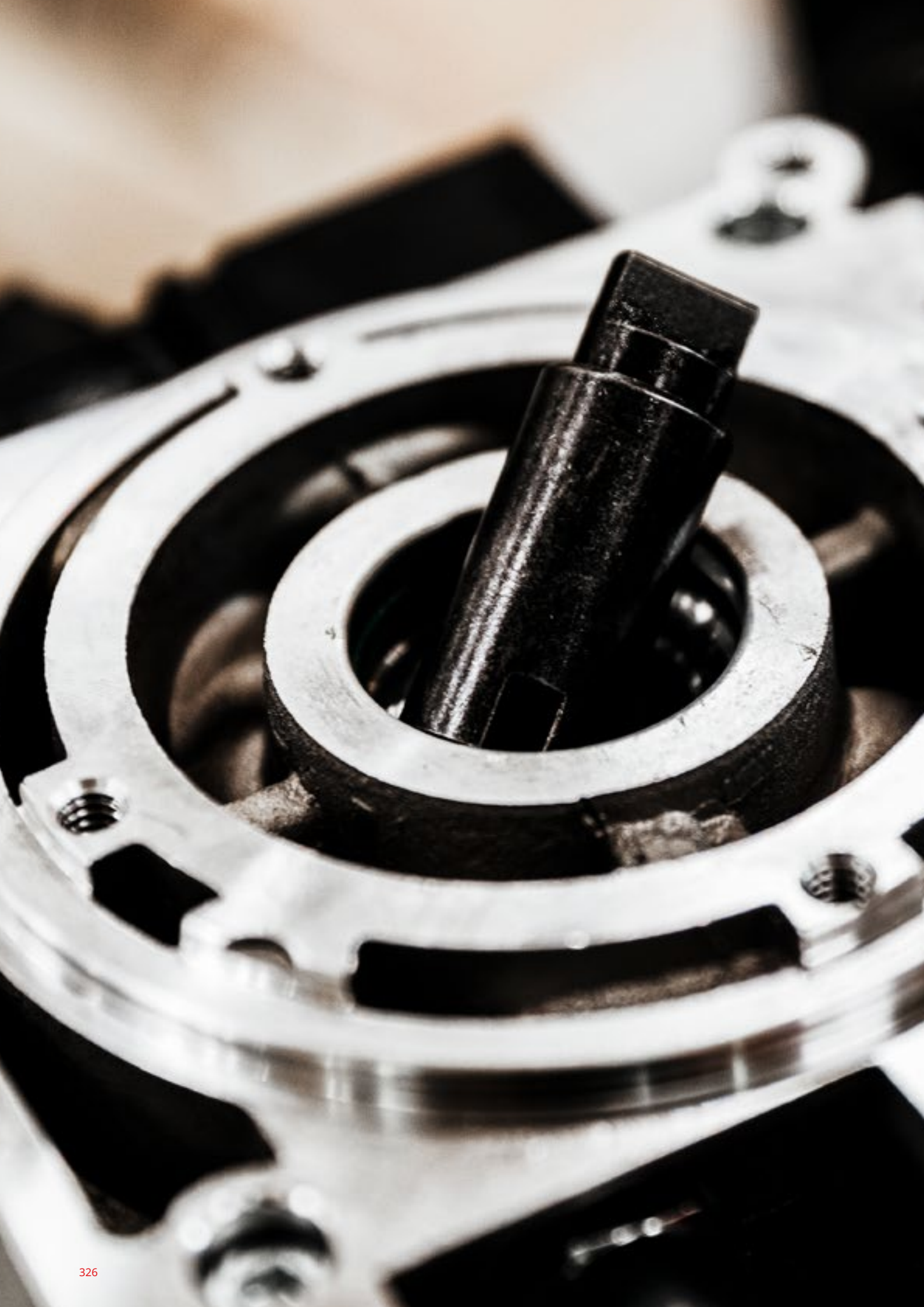
The in-line particle counter provides information on pollution of the hydraulic oil. Several alarms are fitted for monitoring of temperature, oil filter etc.

If you want us to assist with your diagnostics, we are able to test and repair your hydraulic component. Please use the repair form to test or to ask for a reparation for the hydraulic component:  
<https://www.tvh.com/en-be/services/repair-parts>



**For more information, contact your sales advisor.**







**14.**

# **GEAR COUPLINGS**

## ENGAGING GEAR / COUPLINGS



- Inner diameter: 79 mm
- Outer diameter: 241 mm
- Height: 20.5 mm
- Number of splines: 50

REF [151TA2957](#)



- Inner diameter: 79 mm
- Outer diameter: 338 mm
- Height: 43 mm
- Number of splines: 50

REF [151TA2958](#)



- Inner diameter: 79 mm
- Outer diameter: 334 mm
- Height: 44 mm
- Number of splines: 50

REF [151TA2959](#)



- Inner diameter: 78 mm
- Outer diameter: 314 mm
- Height: 21 mm
- Number of splines: 50

REF [151TA2960](#)



- Inner diameter: 78 mm
- Outer diameter: 263.5 mm
- Height: 20 mm
- Number of splines: 50

REF [151TA2961](#)



- Inner diameter: 78.5 mm
- Outer diameter: 215.9 mm
- Height: 20 mm
- Number of splines: 50

REF [151TA2962](#)

## ENGAGING GEAR / COUPLINGS



- Inner diameter: 73 mm
- Outer diameter: 165 mm
- Height: 20 mm
- Number of splines: 50

REF [151TA2963](#)



- Inner diameter: 78 mm
- Outer diameter: 150.4 mm
- Height: 25 mm
- Width: 20 mm
- Number of splines: 50

REF [151TA2964](#)



- Inner diameter: 79 mm
- Outer diameter: 135 mm
- Height: 17 mm
- Number of splines: 50

REF [151TA2965](#)



- Inner diameter: 72.5 mm
- Outer diameter: 125 mm
- Height: 30 mm
- Width: 30 mm
- Number of teeth: 50

REF [151TA2966](#)



- Inner diameter: 110 mm
- Outer diameter: 263.5 mm
- Height: 28 mm
- Number of splines: 42

REF [151TA2967](#)



- Inner diameter: 100.8 mm
- Outer diameter: 314.5 mm
- Height: 26.8 mm
- Number of splines: 42

REF [151TA2968](#)

## ENGAGING GEAR / COUPLINGS



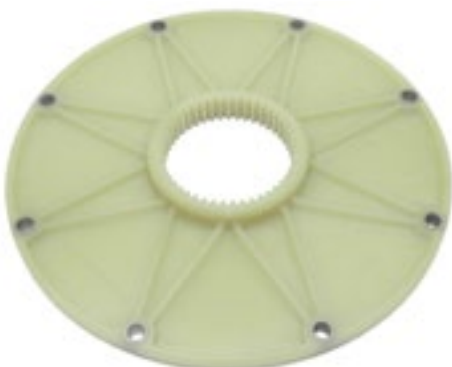
- Inner diameter: 111 mm
- Outer diameter: 338 mm
- Height: 40 mm
- Number of splines: 42

REF [151TA2969](#)



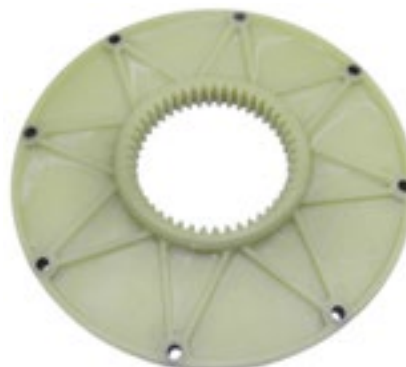
- Inner diameter: 111 mm
- Outer diameter: 178 mm
- Height: 44 mm
- Number of splines: 42

REF [167TA8855](#)



- Inner diameter: 97 mm
- Outer diameter: 314 mm
- Height: 24.5 mm
- Number of splines: 47

REF [167TA8856](#)



- Inner diameter: 133.5 mm
- Outer diameter: 352 mm
- Height: 31.5 mm
- Number of splines: 46

REF [167TA8857](#)



- Diameter: 14 mm
- Height: 11.6 mm
- Smallest width: 3 mm
- Biggest width: 4 mm

REF [118TA5599](#)



- Diameter: 18 mm
- Height: 25 mm
- Smallest width: 5 mm
- Biggest width: 6.4 mm

REF [168TA2645](#)

## ENGAGING GEAR / COUPLINGS



- Outer diameter: 39.6 mm
- Inner diameter: 25 mm
- Height: 25 mm
- Width: 8 mm
- Number of splines: 30

REF [168TA2646](#)



- Diameter: 17.8 mm
- Height: 43.7 mm
- Smallest width: 5 mm
- Biggest width: 8 mm

REF [168TA2647](#)



- Diameter: 29.5 mm
- Height: 16 mm
- Smallest width: 8.2 mm
- Biggest width: 10.1 mm

REF [109TA5435](#)



- Diameter: 30 mm
- Height: 19 mm
- Width: 8 mm

REF [168TA2648](#)



- Diameter: 14.8 mm
- Height: 17.3 mm
- Smallest width: 4.9 mm
- Biggest width: 5.1 mm

REF [168TA2649](#)



- Diameter: 36 mm
- Height: 18 mm
- Smallest width: 8 mm
- Biggest width: 10 mm

REF [168TA2650](#)

## ENGAGING GEAR / COUPLINGS



- Diameter: 25.5 mm
- Height: 19.8 mm
- Smallest width: 6.5 mm
- Biggest width: 8 mm

REF [118TA5609](#)



- Diameter: 30 mm
- Height: 12 mm
- Width: 8.05 mm

REF [118TA5715](#)

You can also use  
our technical sheet





**NOTES**

A series of horizontal dotted lines for taking notes.





*15.*

**HYDRAULIC PUMP  
UNITS**

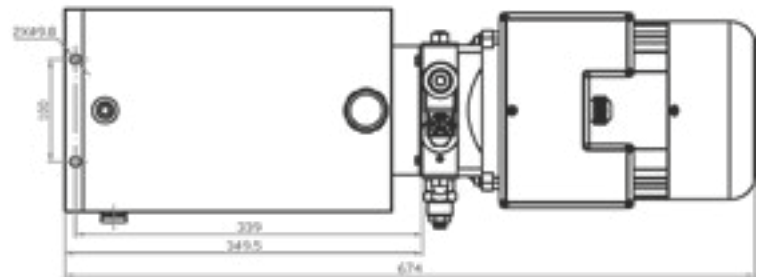
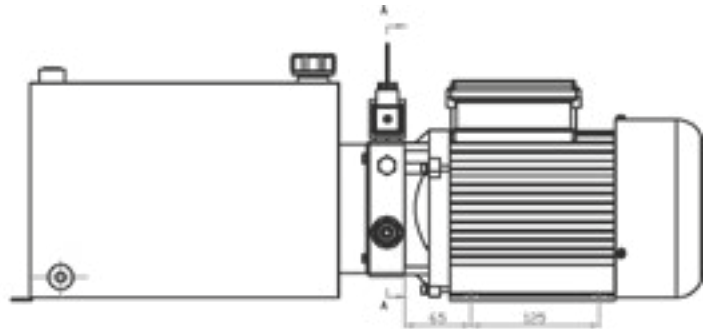
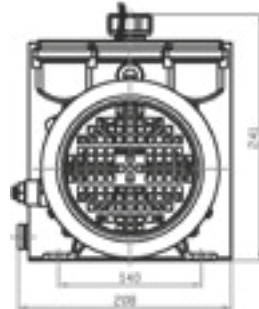
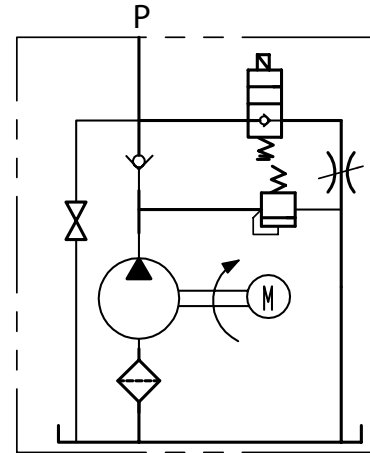
# HYDRAULIC PUMP UNITS

## HYDRAULIC PUMP UNIT

If you want a reparation of your hydraulic pump unit, please use our repair form:



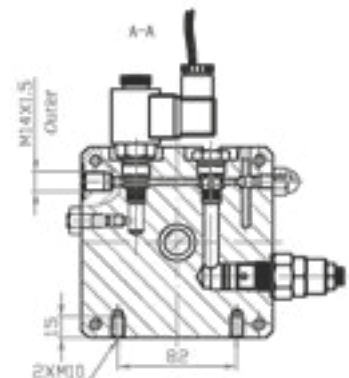
Hydraulic scheme



**Technical data:**

- Motor: 220 VAC 2.2 kW
- Pump: 4.2 cc/r
- Relief valve: 100 bar
- Tank: 12 l/horizontally mounted

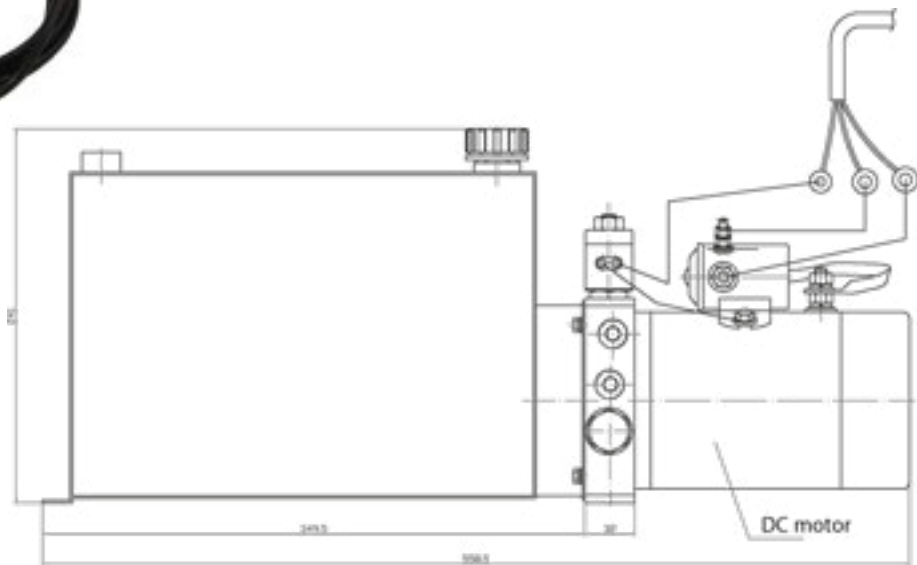
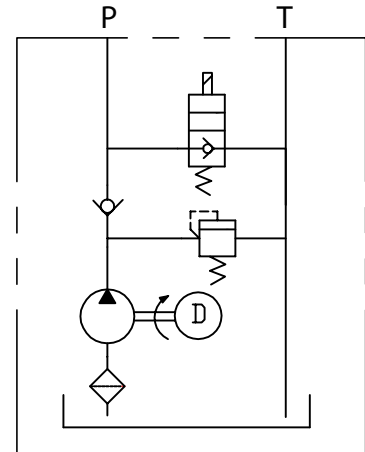
REF [141TA9958](#)



## HYDRAULIC PUMP UNIT



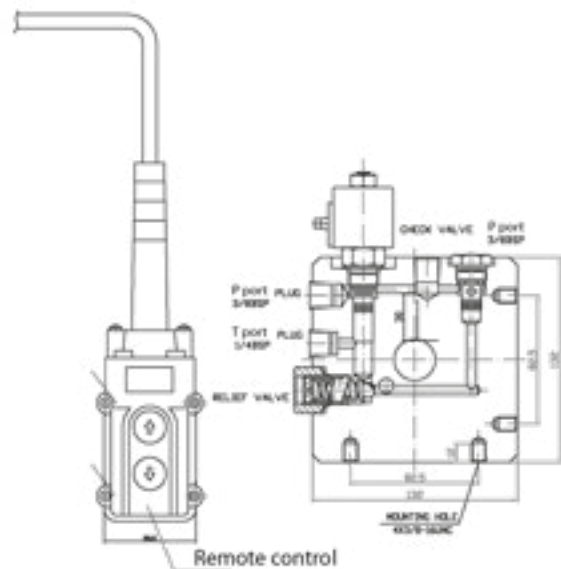
Hydraulic scheme



### Technical data:

- Motor: 12 VDC 1.5 kW
- Gear pump: 2.1 cc/r
- Relief valve: 200 bar
- Tank: 12 l/horizontally mounted

REF [167TA2056](#)

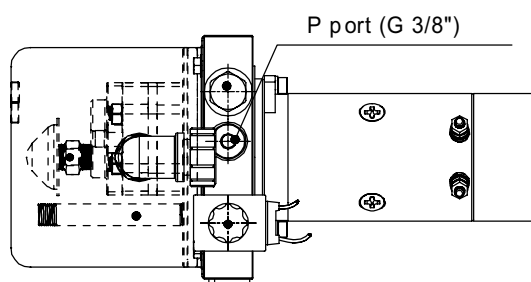
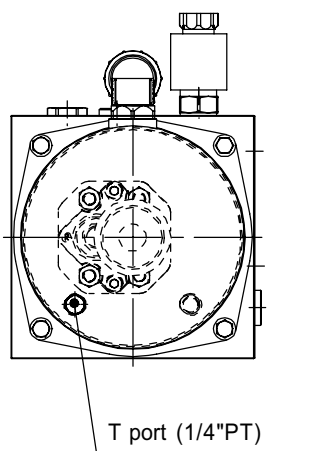
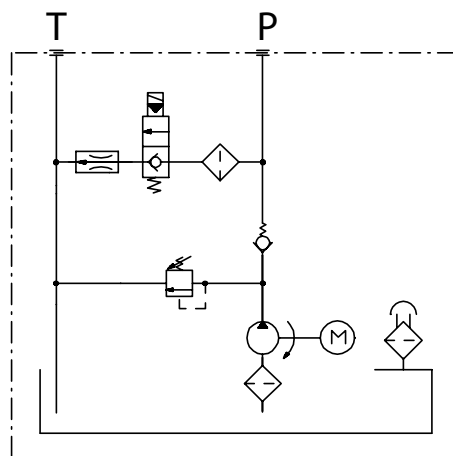


# HYDRAULIC PUMP UNITS

## HYDRAULIC PUMP UNIT



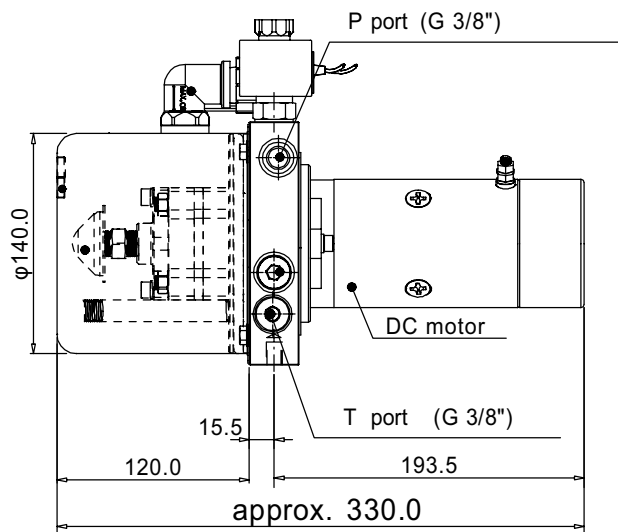
Hydraulic scheme



**Technical data:**

- Motor: 24 VDC 0.8 kW
- Pump: 0.7 cc/r
- Relief valve: 180 bar
- Tank: 1.0 l/vertically mounted

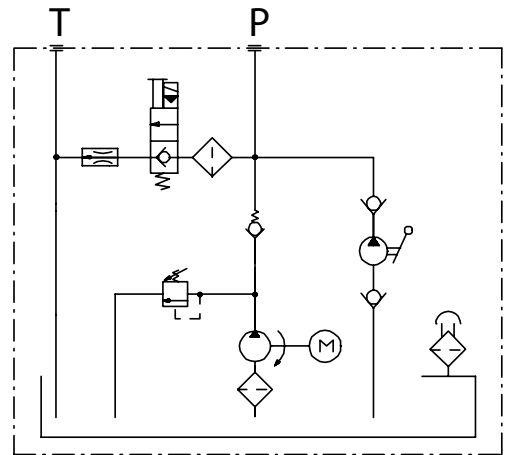
REF [141TA9959](#)



## HYDRAULIC PUMP UNIT



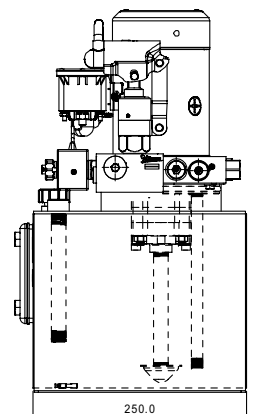
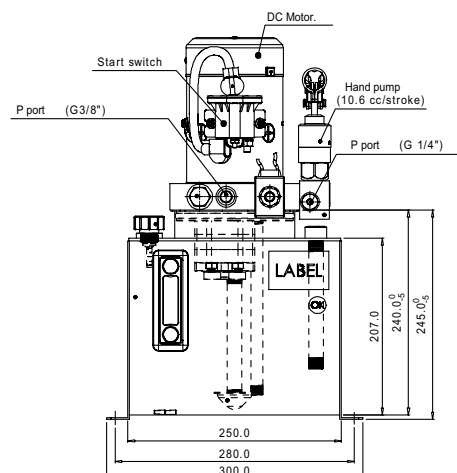
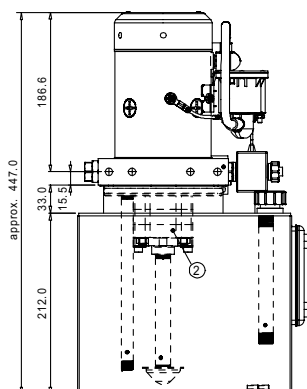
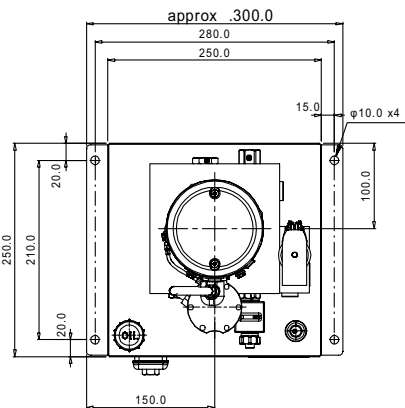
Hydraulic scheme



### Technical data:

- Motor: 12 VDC 1.5 kW
- Pump: 4.0 cc/r
- Hand pump: 10.6 cc/stroke
- Relief valve: 120 bar
- Tank: 12 l/vertically mounted

REF [141TA9960](#)



# HYDRAULIC PUMP UNITS

## HYDRAULIC PUMP UNIT

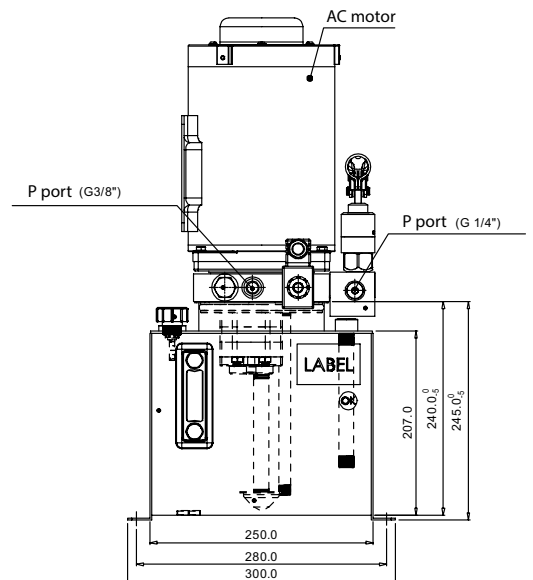
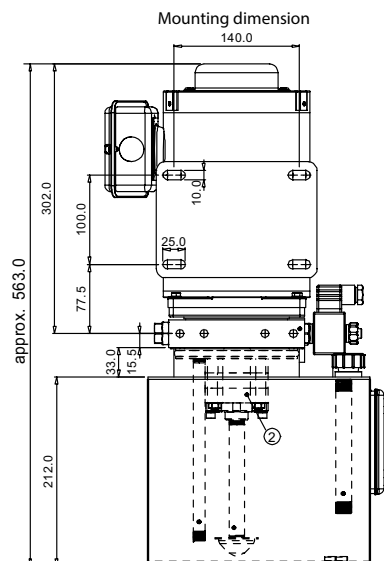
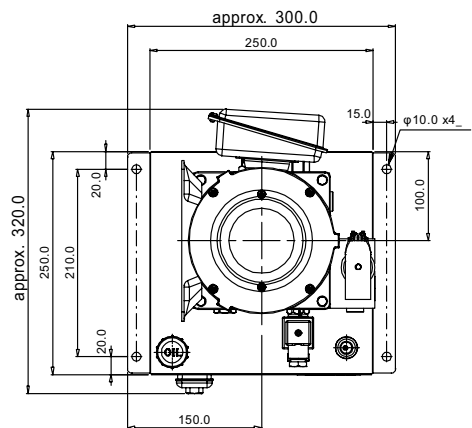
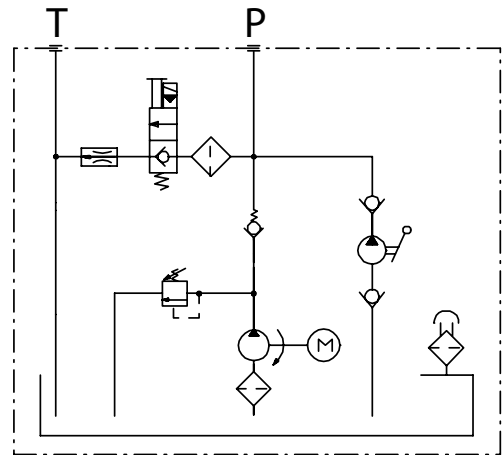


### Technical data:

- Motor: 110/220 V - 1 phase 1.5 kW
- Pump: 4.0 cc/r
- Hand pump: 10.6 cc/stroke
- Relief valve: 130 bar
- Tank: 12.0 l/vertically mounted

REF [141TA9961](#)

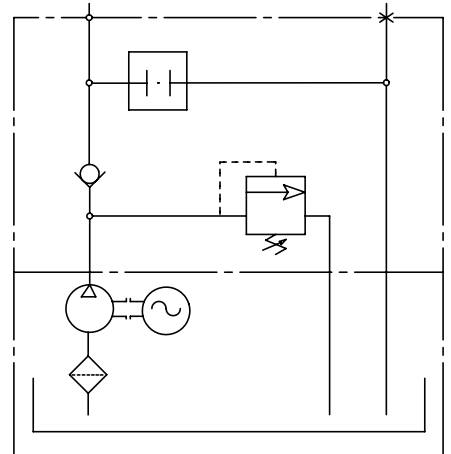
Hydraulic scheme



## HYDRAULIC PUMP UNIT



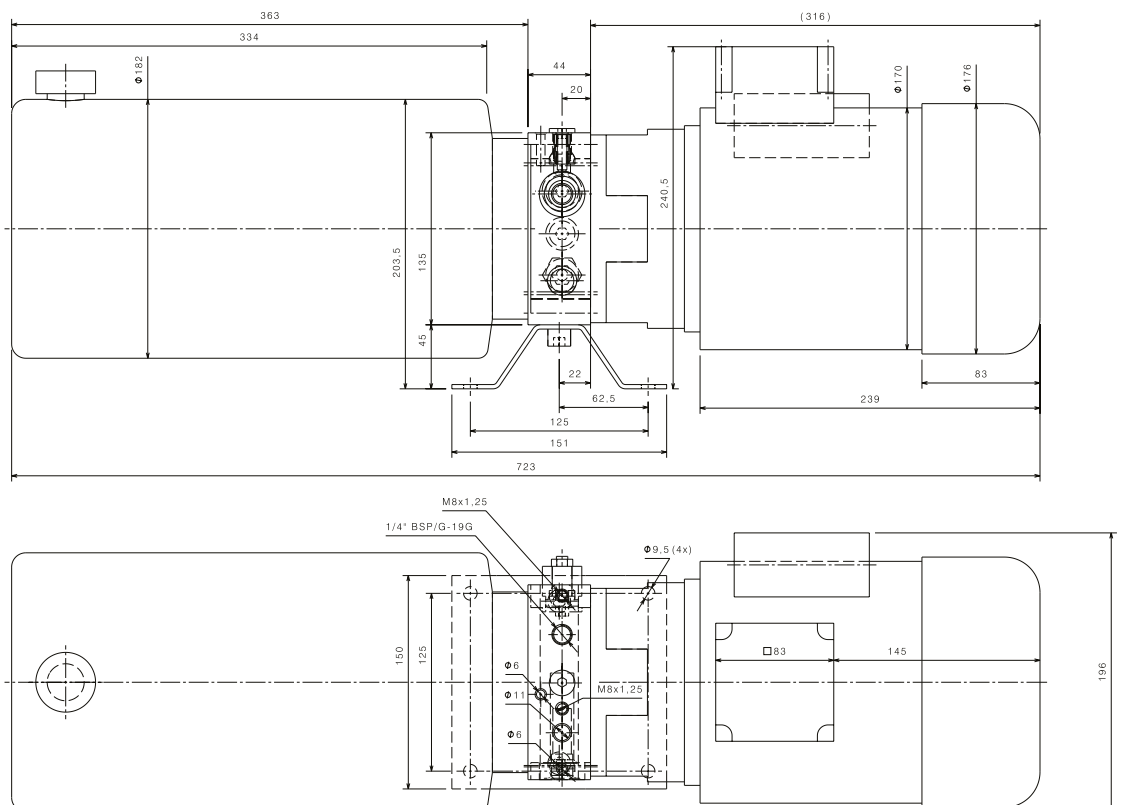
Hydraulic scheme



### Technical data:

- Motor: 220 VAC 1.5 kW
- Pump: 2.5 cc/r
- Relief valve: 100 bar
- Tank: 8 l/horizontally mounted

REF [141TA9962](#)





## HYDRAULIC UNITS

Not found what you need?  
We can help you with unique  
configurations!



- Used for: CLARK
- Type: CLARK ECM 20-30, EPM 20-30
- Voltage: 80 VDC

REF [107TA4364](#)



- Used for: BT
- Type: BT RT/TRT/FRT
- Voltage: 48 VDC

REF [107TA4363](#)



- Used for: JUNGHEINRICH
- Type: JUNGHEINRICH EKE/EKC/EJP/Kms
- Voltage: 24 VDC

REF [105TA2724](#)



- Used for: JUNGHEINRICH - MIC
- Type: JH EEC 10 E, JH SW 12, JH HC 10, MIC GU100MB, MIC G100MB, MIC G100B, MIC G100C, MIC G10E, MIC GU10E, MIC G10M
- Voltage: 24 VDC

REF [152TA2043](#)



- Used for: LINDE
- Type: LINDE E12/E14
- Voltage: 24 VDC

REF [107TA4368](#)



- Used for: LINDE
- Type: LINDE E12/E14, E15Z-02
- Voltage: 48 VDC

REF [107TA4365](#)

# HYDRAULIC PUMP UNITS

## HYDRAULIC UNITS

Not found what you need?  
We can help you with unique configurations!



- Used for: LINDE
- Type: LINDE E12
- Voltage: 24 VDC

REF [107TA4366](#)



- Used for: STEINBOCK
- Type: STEINBOCK WP13/WL15
- Voltage: 24 VDC

REF [107TA4367](#)



- Used for: LINDE
- Type: LINDE E12
- Voltage: 24 VDC

REF [107TA4370](#)



- Used for: LINDE - FENWICK
- Type: FENWICK SM10/15P, FENWICK-LINDE RE16/20
- Voltage: 72 VDC

REF [107TA4369](#)

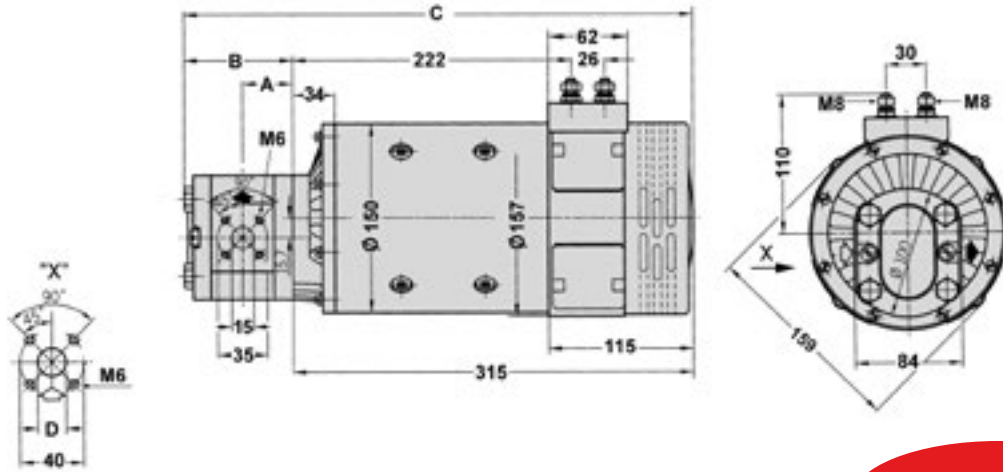


Find out more about our reconditioned parts in our brochure [REF 3132695](#)

You can also use our technical sheet to choose a replacement part of your existing pump unit.

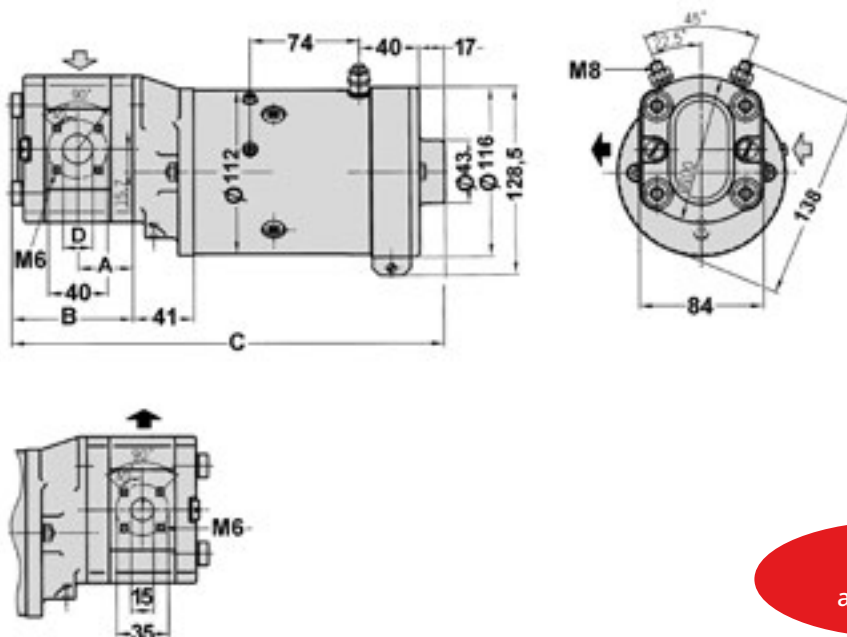


## PUMP MOTORS



Universal application

W	V	cm <sup>3</sup> /rev	A	B	C	D	REF
3000	24	8	41	89	404	20	<a href="#">105TA2721</a>
3000	24	11	45	94	409	20	<a href="#">105TA2722</a>
3700	48	11	45	100	415	20	<a href="#">105TA2723</a>

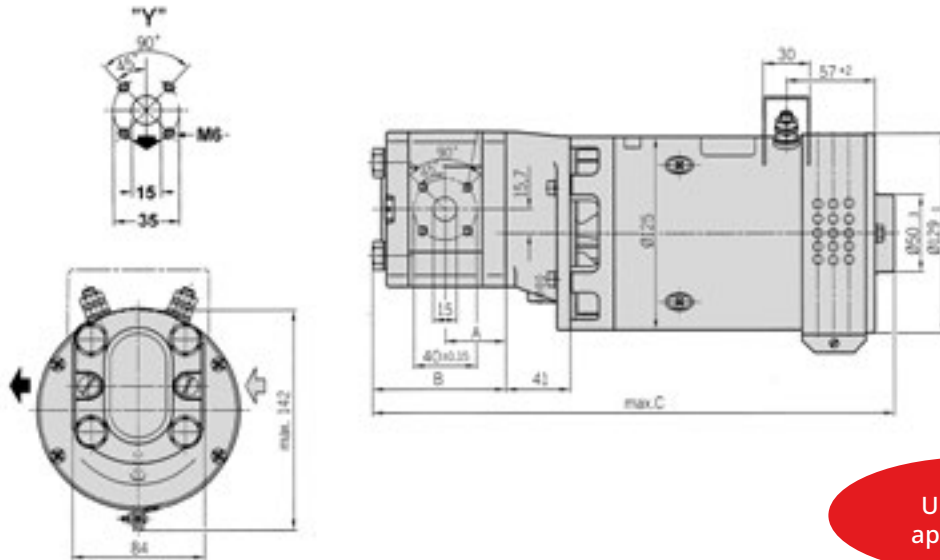


Universal application

W	V	cm <sup>3</sup> /rev	A	B	C	D	REF
2000	24	4	37.3	82.5	293	15	<a href="#">105TA2724</a>

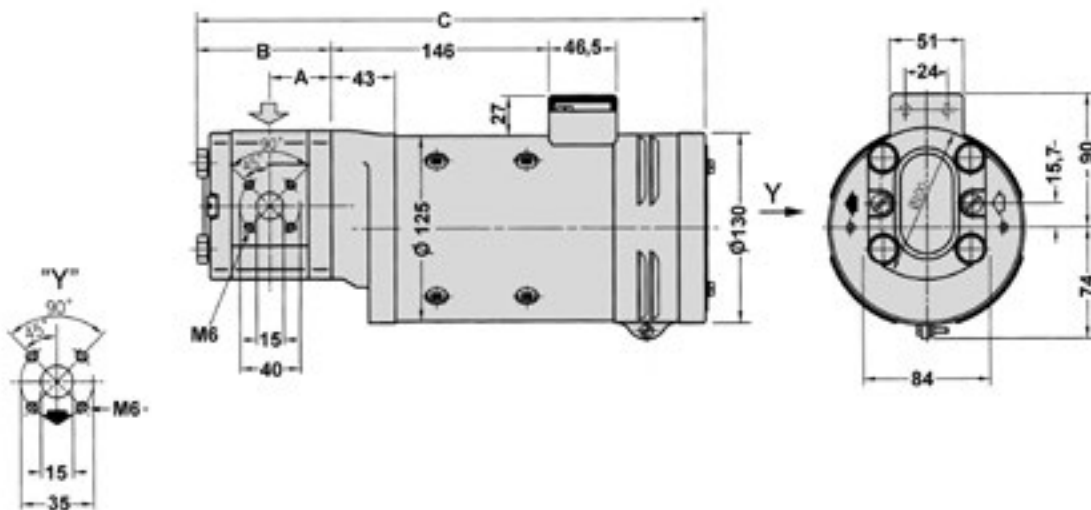
# HYDRAULIC PUMP UNITS

## PUMP MOTORS



Universal application

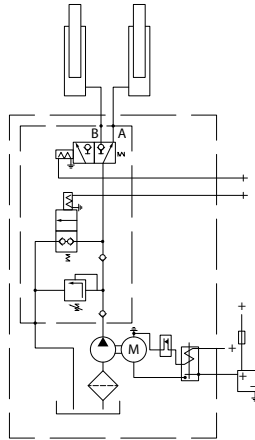
W	V	cm <sup>3</sup> /rev	A	B	C	E	REF
1000	72	5.5	38.6	85	333	248	<a href="#">112TA4890</a>



Universal application

W	V	cm <sup>3</sup> /rev	A	B	C	E	REF
500	72	5.5	38.6	85	340	255	<a href="#">105TA2726</a>

## DC HYDRAULIC POWER UNIT



DC hydraulic power unit for two single acting functions e.g. for tail gate lifts.

- Electric motor: 2 kW
- Hydraulic circuit: 2x single acting
- Pump size: 3.2 cc/r
- Tank volume: 6.2 l
- Voltage: 12 VDC

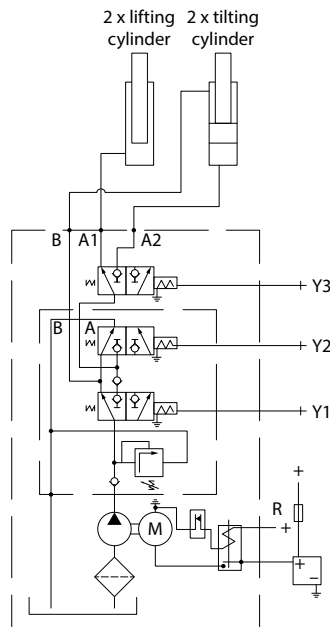
REF [152TA2044](#)

Voltage: 24 VDC

REF [111TA6201](#)

Voltage: 48 VDC

REF [145TA8547](#)



DC hydraulic power unit for mixed double and single acting functions e.g. for tail gate lifts.

- Electric motor: 2 kW
- Pump size: 2.6 cc/r
- Tank volume: 9.8 l
- Voltage: 12 VDC

REF [152TA2046](#)

Tail gate lift with:

- A. Single acting lifting cylinders
- B. Double acting tilting cylinders

Operations:

1. Lifting (pump power up)
2. Lowering (gravity down)
3. Tilt close (pump power close)
4. Tilt open (pump power open)

Note:

Relief valve setting has to be examined and adjusted to lift construction

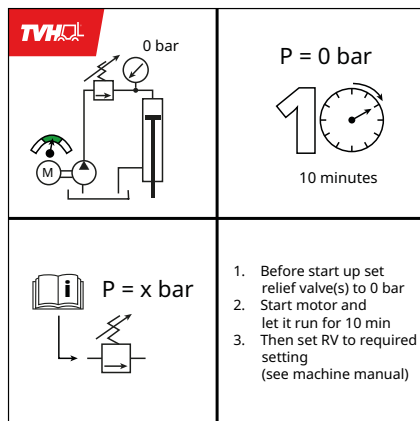
Operation overview:

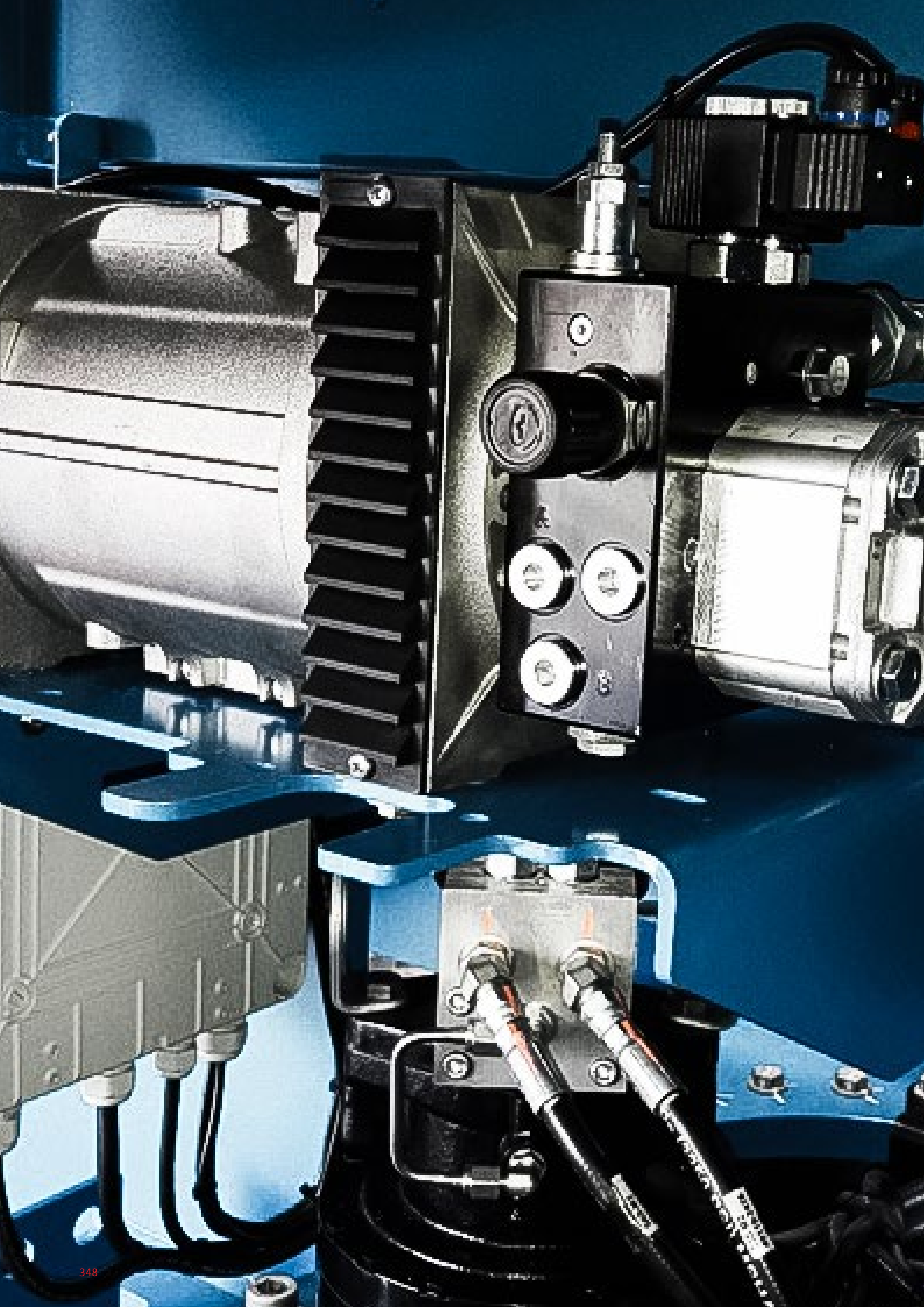
- Operation: activate solenoid
- Up: R + Y1
- Down: Y2
- Tilt up close: R + Y1 + Y3
- Tilt down open: R + Y2 + Y3

Voltage: 24 VDC

REF [145TA8548](#)

## START UP PROCEDURE HYDRAULIC PUMP UNIT







**16.**

**HYDRAULIC  
GENERATORS**

# HYDRAULIC GENERATORS

## HYDRAULIC GENERATOR



Tired of hauling around a generator for your power tools?  
The new hydraulic generator from TVH doesn't need to be carried. This hydraulic, compact and easy-to-install power supply will help you do your job at any height with all your small and heavy power tools.

This generator can be connected to the hydraulic circuits of aerial work platforms, earth-moving equipment, trucks, cranes and other construction machines.

For more information, please contact your sales advisor.

CE

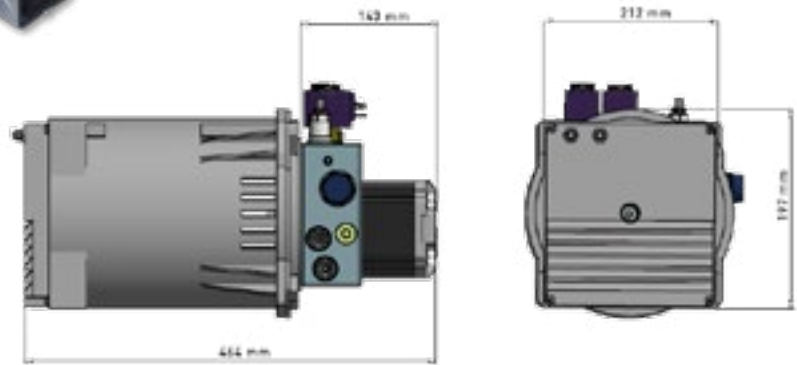


### Advantages:

- **High-quality** product
- Compact size and easy to install
- No need for an external power supply and thus no extra costs
- **Safe working**, no cable reels hanging around
- AVR (Automatic Voltage Regulation): makes sure your **voltage stays stable** under all circumstances
- Start/stop function results in a **longer life span of your generator**
- All references can be used on machines equipped with a fixed displacement main pump or with a load sensing pump
- All required certificates available

## HYDRAULIC GENERATOR

 TotalSource



Electrical characteristics					Hydraulic characteristics						
Power	Voltage	Frequency	On-off valve	AVR (Regulation range)	Flow min-max	Ideal flow	Pressure min-max	Back pressure	Oil temp. (max)	Displacement	REF
kVA	V	Hz	VDC		l/min	l/min	bar	bar	°C		
4.2	230	50	12	+/-2%	30-45	35	150-210	8	70	9CC	<a href="#">161TA8411</a>
4.2	230	50	24	+/-2%	30-45	35	150-210	8	70	9CC	<a href="#">163TA8604</a>
4.2	230	50	12	+/-2%	15-30	18	150-210	8	70	6CC	<a href="#">163TA8603</a>
4.2	230	50	24	+/-2%	15-30	18	150-210	8	70	6CC	<a href="#">163TA8605</a>
5.2	110	60	12	+/-2%	25-30	27	150-210	8	70	6CC	<a href="#">163TA8748</a>
5.2	110	60	24	+/-2%	25-30	27	150-210	8	70	6CC	<a href="#">163TA8749</a>





# **17.** **STEERING UNITS**

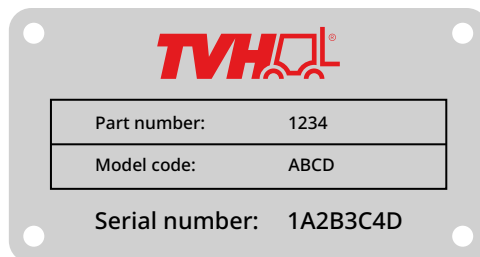
# STEERING UNITS

## STEERING UNITS



To order a steering unit, give us the full details of the ID plate on the steering unit, engravings in the unit and the complete machine details.

Example of an ID plate of a hydraulic component



We can offer you the brands below:

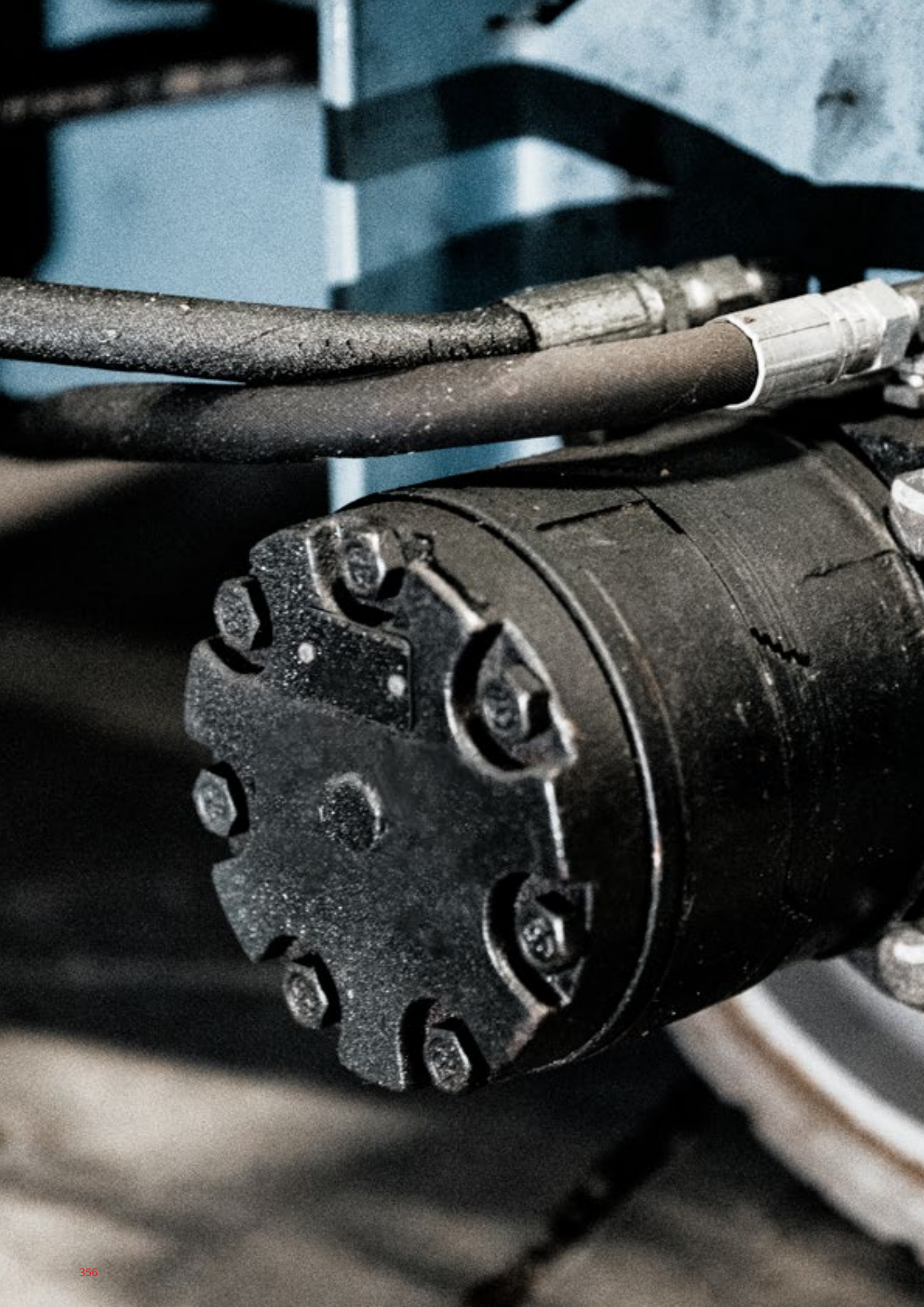
Danfoss (Eaton hydraulics), M+S, Parker, White





**NOTES**

A series of horizontal dotted lines for writing notes.





**18.**

# **HYDRAULIC MOTORS**

## HYDRAULIC MOTORS



TVH has a large stock of hydraulic motors for all material handling makes and models.

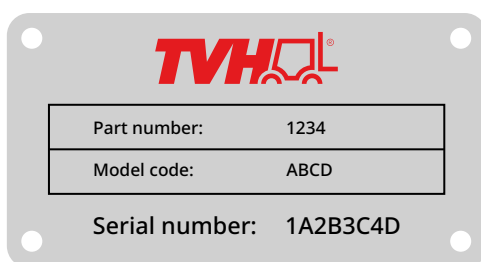
**We stock over 2000 different motors.**

**We can offer you the brands below:**

**Bondioli & Pavesi, Rexroth, Bucher, Danfoss, Linde Hydraulics, Parker, Poclairn, White**



Example of an ID plate of a hydraulic component



If you have an ID plate we need the following details in order to find the correct unit: Brand (example TVH), partnumber (example: 1234), Modelcode (example: ABCD). If you could send us a clear and readable picture of the ID plate on the pump, this will also enable us to find the correct unit for you.

**If you want a reparation of your hydraulic motor, please use our repair form**



**For more information, contact your sales advisor.**

**You can also fill in our technical sheet, this will help us to find the correct replacement part for your hydraulic motor.**



## FINAL DRIVES

Want to make sure you order the correct hydraulic motor or final drive? Simply fill out the intake form and add a picture of the old motor's ID plate. Send it to us together with info on the type of small earth-mover and its year of manufacturing, and we can help you find the perfect part!



**Machine:**  
\_\_\_\_\_

**Type =** \_\_\_\_\_

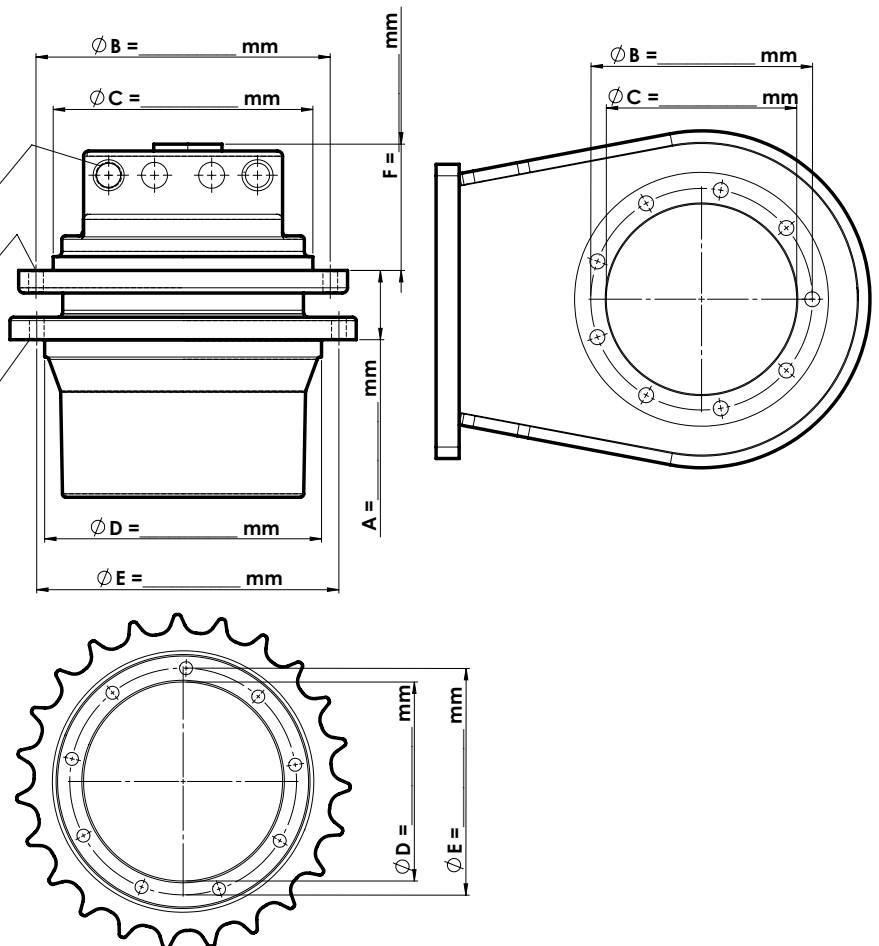
**Nr. of hose connections =** \_\_\_\_\_

**Nr. of bolt holes =** \_\_\_\_\_  
**Thread type =** \_\_\_\_\_

**1 or 2 speed =** \_\_\_\_\_

**Nr. of bolt holes =** \_\_\_\_\_  
**Thread type =** \_\_\_\_\_

Please provide a photo of the nameplate/final drive







*19.*

**HYDRAULIC  
DISTRIBUTORS**

# HYDRAULIC DISTRIBUTORS

## COMPLETE DISTRIBUTOR BLOCK

These units have to be ordered by giving full details of the distributor block make or the complete machine details.  
If you want a reparation of your hydraulic distributor, please use our repair form:



For more information,  
contact your sales advisor.

We can offer you the brands below:  
Bucher, Hawe, Kyb, Linde-Hydraulics,  
Parker, Rexroth, Salami, Shimadzu



Example

Part number:	1234
Model code:	ABCD
Serial number:	1A2B3C4D

Please send us a clear picture of the ID plate of your hydraulic distributor.  
This will help us in the search of the perfect part for your machine or  
application. If there is no ID plate, please send us your machine information  
so that we can offer you the right replacement part.

## SEPARATE PARTS FOR DISTRIBUTOR BLOCKS



Used on Merlo  
REF [168TA6466](#)



Used on Merlo  
REF [168TA6467](#)



Used on Manitou  
REF [152TA2159](#)

## HYDRAULIC DISTRIBUTORS



Quality is an important factor for the profitability of your company. In order to guarantee quality, we do not want to make any concessions. That is why we continue to innovate, for example with the hydraulic inspection on our hydraulic test benches. We use this to test the efficiency of your hydrostatic and powershift transmissions, hydraulic pumps, engines, valves and cylinders.

Our valve test bench is capable of testing every hydraulic valve used in mobile hydraulics. By connecting the valve to a loaded forklift, we are able to simulate load and we are able to check all the functions on "a true to nature" way. We are also able to determine the internal leakage on hydraulic valves within a short time.



If you want a reparation of your hydraulic distributor, please use our repair form:







20.

**AUXILIARY VALVES  
& HANDLE KITS**

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: HYSTER



REF [131TA4993](#) - 3<sup>rd</sup> valve section  
REF [168TA6810](#) - seal kit valve section

- H2.00-3.20XM; different valve kits possible, depending on serial nrs

## USED FOR: KALMAR



REF [167TA9812](#) - 3<sup>rd</sup> valve section  
REF [168TA6811](#) - seal kit valve section

- DB8-16, DB28-42, DC28-42

## USED FOR: KOMATSU



REF [131TA4928](#) - 3<sup>rd</sup> valve section  
REF [168TA6812](#) - seal kit valve section



REF [106TA7422](#) - 3<sup>rd</sup> valve kit

- FG/20, 25, 30-12
- FG/FD14, 15, 18-16
- FD10L-14L-15L-18L-16
- FG/FD14, 15, 18-17
- FG15H, FG18H-17

## USED FOR: KOMATSU



REF [105TA4837](#) - 3<sup>rd</sup> valve section  
REF [168TA6813](#) - seal kit valve section



REF [106TA7421](#) - 3<sup>rd</sup> valve kit

- FG10D-14-15D-18D-15
- FG/FD15HD-18HD-15
- FD10D-14D-15D-18D-15
- FG/FD20D-25D-30D-11
- FG20S-25S-30S-11

**USED FOR: LINDE**



REF [131TA4990](#) - 3<sup>rd</sup> valve section  
REF [116TA5299](#) - seal kit valve section



REF [106TA7464](#) - 3<sup>rd</sup> valve kit  
REF [131TA5011](#) - 4<sup>th</sup> valve kit

- H20-30 / 351
- H35-45 / 352

**USED FOR: LINDE**



REF [131TA4990](#) - 3<sup>rd</sup> valve section  
REF [116TA5299](#) - seal kit valve section



REF [131TA4991](#) - 3<sup>rd</sup> valve kit  
REF [131TA5012](#) - 4<sup>th</sup> valve kit

- H12-18 / 350

**USED FOR: LINDE**



REF [131TA4990](#) - 3<sup>rd</sup> valve section  
REF [116TA5299](#) - seal kit valve section



REF [131TA4992](#) - 3<sup>rd</sup> valve kit  
REF [131TA5013](#) - 4<sup>th</sup> valve kit

- H50-80 / 353

**USED FOR: MANITOU**



REF [167TA9813](#) - 3<sup>rd</sup> valve section  
REF [127TA2812](#) - seal kit valve section



REF [167TA9815](#) - 3<sup>rd</sup> valve kit  
REF [167TA9814](#) - 4<sup>th</sup> valve kit

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: MITSUBISHI



REF [131TA4970](#) - 3<sup>rd</sup> valve section

REF [168TA6813](#) - seal kit valve section



REF [106TA7423](#) - 3<sup>rd</sup> valve kit

- FG28, 30, 35A - F13D
- FG20, 25K - EF17B
- FG20, 23, 25 - F17B
- FG10, 14, 15, 18 - F25B
- FG10, 14, 15, 18 - F25A
- FD28, 30, 35A - F14C
- FD20, 25K - EF18B
- FD20, 23, 25 - F18B
- FD10, 15, 25 - EF16

## USED FOR: MITSUBISHI



REF [131TA4858](#) - 3<sup>rd</sup> valve section

REF [168TA6814](#) - seal kit valve section



REF [131TA4877](#) - 3<sup>rd</sup> valve kit

REF [131TA4886](#) - 4<sup>th</sup> valve kit

- FD28, 30 - F14B
- FD14, 15, 18 - F16A

## USED FOR: MITSUBISHI



REF [131TA4970](#) - 3<sup>rd</sup> valve section

REF [168TA6813](#) - seal kit valve section



REF [131TA4877](#) - 3<sup>rd</sup> valve kit

REF [131TA4887](#) - 4<sup>th</sup> valve kit

- FG28, 30, 35A - F13C
- FD28, 30 - F14B

## USED FOR: MITSUBISHI



REF [131TA4872](#) - 3<sup>rd</sup> valve section

REF [168TA6815](#) - seal kit valve section



REF [131TA4885](#) - 3<sup>rd</sup> valve kit

REF [131TA4893](#) - 4<sup>th</sup> valve kit

- FB18KT, 20KT - EFB5B
- FB18KT, 20KT - EFB5A
- FB16KT - EFB4B
- FB16KT - EFB4A

**USED FOR: MITSUBISHI**



REF [131TA4871](#) - 3<sup>rd</sup> valve section  
REF [168TA6816](#) - seal kit valve section



REF [131TA4881](#) - 3<sup>rd</sup> valve kit  
REF [131TA4890](#) - 4<sup>th</sup> valve kit

- FD60, 70-F20B

**USED FOR: MITSUBISHI**



REF [131TA4871](#) - 3<sup>rd</sup> valve section  
REF [168TA6816](#) - seal kit valve section



REF [131TA4883](#) - 3<sup>rd</sup> valve kit  
REF [131TA4892](#) - 4<sup>th</sup> valve kit

- FD40K, 40KL, 45K - EF19C

**USED FOR: MITSUBISHI**



REF [131TA4871](#) - 3<sup>rd</sup> valve section  
REF [168TA6816](#) - seal kit valve section



REF [131TA4881](#) - 3<sup>rd</sup> valve kit  
REF [131TA4890](#) - 4<sup>th</sup> valve kit

- FD35, 38, 40 - F19A

**USED FOR: NICHYU-NYK**



REF [131TA4994](#) - 3<sup>rd</sup> valve section  
REF [168TA6817](#) - seal kit valve section



REF [131TA4997](#) - 3<sup>rd</sup> valve kit  
REF [131TA4997](#) - 4<sup>th</sup> valve kit

- FB20, 25, 28 P55
- FBT10, 13, 15, 18 P50&60

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: NICHYU-NYK



REF [131TA4994](#) - 3<sup>rd</sup> valve section  
REF [168TA6817](#) - seal kit valve section



REF [131TA4998](#) - 3<sup>rd</sup> valve kit

- FB10, 14, 15, 18 P60
- FB20, 25, 28, 30 P60
- FB10, 14, 15, 18 P65
- FB20, 25, 28, 30 P65

## USED FOR: NICHYU-NYK



REF [131TA4994](#) - 3<sup>rd</sup> valve section  
REF [168TA6817](#) - seal kit valve section



REF [131TA4999](#) - 3<sup>rd</sup> valve kit  
REF [131TA5001](#) - 4<sup>th</sup> valve kit

- FB10, 14, 15, 18, 20, 25, 30P70&75; includes microswitch

## USED FOR: NICHYU-NYK



REF [131TA4994](#) - 3<sup>rd</sup> valve section  
REF [168TA6817](#) - seal kit valve section



REF [106TA7427](#) - 3<sup>rd</sup> valve kit  
REF [131TA5002](#) - 4<sup>th</sup> valve kit

- FB10, 14, 15, 18 P-50
- FB10, 14, 15, 18 P-55

## USED FOR: NISSAN



REF [167TA7438](#) - 3<sup>rd</sup> valve section  
REF [168TA6818](#) - seal kit valve section



REF [106TA7425](#) - 3<sup>rd</sup> valve kit  
REF [131TA4936](#) - 4<sup>th</sup> valve kit

- J01
- J02

**USED FOR: NISSAN**



REF [106TA7995](#) - 3<sup>rd</sup> valve section  
REF [168TA6813](#) - seal kit valve section



REF [106TA7425](#) - 3<sup>rd</sup> valve kit  
REF [131TA4936](#) - 4<sup>th</sup> valve kit • J01

**USED FOR: NISSAN**



REF [106TA7995](#) - 3<sup>rd</sup> valve section  
REF [168TA6813](#) - seal kit valve section



REF [106TA7424](#) - 3<sup>rd</sup> valve kit • J01  
REF [131TA4937](#) - 4<sup>th</sup> valve kit • J02

**USED FOR: NISSAN**



REF [131TA4875](#) - 3<sup>rd</sup> valve section



REF [131TA4932](#) - 3<sup>rd</sup> valve kit  
REF [131TA4938](#) - 4<sup>th</sup> valve kit • PL/FL/UJL02

**USED FOR: NISSAN**



REF [131TA4930](#) - 3<sup>rd</sup> valve section



REF [131TA4933](#) - 3<sup>rd</sup> valve kit  
REF [131TA4939](#) - 4<sup>th</sup> valve kit • F04

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: NISSAN



REF [131TA4931](#) - 3<sup>rd</sup> valve section



REF [131TA4934](#) - 3<sup>rd</sup> valve kit

• 1B1/1B2

## USED FOR: NISSAN



REF [131TA4875](#) - 3<sup>rd</sup> valve section



REF [131TA4932](#) - 3<sup>rd</sup> valve kit

REF [131TA4938](#) - 4<sup>th</sup> valve kit

• 1F1/1F2

## USED FOR: NISSAN



REF [131TA4929](#) - 3<sup>rd</sup> valve section



REF [131TA4935](#) - 3<sup>rd</sup> valve kit

• D02

## USED FOR: STILL



REF [167TA9539](#) - 3<sup>rd</sup> valve section



REF [131TA4899](#) - 3<sup>rd</sup> valve kit

REF [131TA4902](#) - 4<sup>th</sup> valve kit

• R50; serie 5041 - 5044

**USED FOR: STILL**



REF [131TA4897](#) - 3<sup>rd</sup> valve section



REF [131TA4900](#) - 3<sup>rd</sup> valve kit

REF [131TA4903](#) - 4<sup>th</sup> valve kit

- R60; serie 6022 - 6025

**USED FOR: STILL**



REF [131TA4898](#) - 3<sup>rd</sup> valve section



REF [131TA4901](#) - 3<sup>rd</sup> valve kit

REF [131TA4904](#) - 4<sup>th</sup> valve kit

- R70; serie 7048 - 7050

**USED FOR: TCM**



REF [131TA4975](#) - 3<sup>rd</sup> valve section



REF [131TA4982](#) - 3<sup>rd</sup> valve kit

- FD35, 50, 60Z4
- FD35, 50Z5
- FD35, 38, 50Z6
- FD40, 70Z2
- F(V)D50, 60, 70Z7

**USED FOR: TCM**



REF [131TA4976](#) - 3<sup>rd</sup> valve section



REF [131TA4982](#) - 3<sup>rd</sup> valve kit

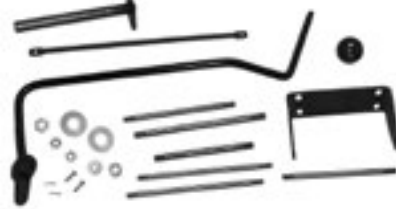
- F(V)G15 - F(V)D15

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: TCM



REF [105TA4837](#) - 3<sup>rd</sup> valve section



REF [106TA7458](#) - 3<sup>rd</sup> valve kit

REF [131TA5004](#) - 4<sup>th</sup> valve kit

- FHG36N8
- FG20, 25N2S
- FD20, 25Z2S
- FVD10, 18Z15
- FHG30, 36N8
- FVD23, 25Z1
- FVD28, 30Z7
- FVG28, 30N7

## USED FOR: TCM



REF [105TA4837](#) - 3<sup>rd</sup> valve section



REF [131TA4983](#) - 3<sup>rd</sup> valve kit

REF [131TA5005](#) - 4<sup>th</sup> valve kit

- FD20, 23, 25Z3; Alpha series
- FG20, 23, 25N3; Alpha series
- FHD20, 30Z
- FHG20, 30N
- FD28, 30Z8
- FD20, 25 Z14; Alpha series

## USED FOR: TCM



REF [131TA4978](#) - 3<sup>rd</sup> valve section



REF [131TA4984](#) - 3<sup>rd</sup> valve kit

REF [131TA5006](#) - 4<sup>th</sup> valve kit

- FB10, 25-6
- FHB15-6

## USED FOR: TCM



REF [105TA4837](#) - 3<sup>rd</sup> valve section



REF [131TA4985](#) - 3<sup>rd</sup> valve kit

REF [131TA5007](#) - 4<sup>th</sup> valve kit

- FB10, 14, 15H5&H15
- FHG35, 36N9&Z9
- FD20, 25Z4
- FB20, 25H5&H15

**USED FOR: TCM**



REF [131TA4873](#) - 3<sup>rd</sup> valve section



REF [131TA4987](#) - 3<sup>rd</sup> valve kit

REF [131TA5008](#) - 4<sup>th</sup> valve kit

- FG20, 30C13
- FG/FD20, 30W3
- FD20, 30T3

**USED FOR: TCM**



REF [131TA4980](#) - 3<sup>rd</sup> valve section



REF [131TA4987](#) - 3<sup>rd</sup> valve kit

REF [131TA5008](#) - 4<sup>th</sup> valve kit

- F(H)G/F(H)D20, 25T3(13); Inoma series
- F(H)G/F(H)D20, 25C3(13); Inoma series
- F(H)G/F(H)D20, 25W3(13); Inoma series

**USED FOR: TCM**



REF [131TA4981](#) - 3<sup>rd</sup> valve section



REF [131TA4989](#) - 3<sup>rd</sup> valve kit

REF [131TA5010](#) - 4<sup>th</sup> valve kit

- FD35, 45C9
- FG/FD35, 40, 45, 50T2
- FG/FD35, 40, 45, 50T9

**USED FOR: TERBERG**



REF [167TA9812](#) - 3<sup>rd</sup> valve section

- YT180, YT182, YT220, YT222

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: TOYOTA



REF [152TA2058](#) - 3<sup>rd</sup> valve section



REF [106TA7479](#) - 3<sup>rd</sup> valve kit

- 7FG15, 20, 25, 30
- 7FD15, 20, 25, 30
- 7FGF15, 18, 20, 25, 30
- 7FDF15, 18, 20, 25, 35

## USED FOR: TOYOTA



REF [167TA9811](#) - 3<sup>rd</sup> valve section



REF [131TA4964](#) - 3<sup>rd</sup> valve kit

REF [131TA4969](#) - 4<sup>th</sup> valve kit

- 30/32-8FG10, 15, 20, 25, 30
- 60/62-8FD10, 15, 20, 25, 30
- 70/72-8FD20, 25, 30

## USED FOR: TOYOTA



REF [131TA4957](#) - 3<sup>rd</sup> valve section



REF [131TA4960](#) - 3<sup>rd</sup> valve kit

REF [131TA4966](#) - 4<sup>th</sup> valve kit

- 7FB10, 15, 20, 25, 30

## USED FOR: TOYOTA



REF [131TA4958](#) - 3<sup>rd</sup> valve section



REF [131TA4961](#) - 3<sup>rd</sup> valve kit

REF [131TA4967](#) - 4<sup>th</sup> valve kit

- 7FG10, 15, 20, 25, 30; from 08-'05 (valve with 2 mounting holes)
- 7FD10, 15, 20, 25, 30; from 08-'05 (valve with 2 mounting holes)
- 7FGF15, 18, 20, 25, 25, 30; from 08-'05 (valve with 2 mounting holes)
- 7FDF15, 18, 20, 25, 35; from 08-'05 (valve with 2 mounting holes)

**USED FOR: TOYOTA**



REF [152TA2058](#) - 3<sup>rd</sup> valve section



REF [131TA4962](#) - 3<sup>rd</sup> valve kit

REF [131TA4968](#) - 4<sup>th</sup> valve kit

- 7FG10, 15, 18, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FD10, 15, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FGF15, 18, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FDF15, 18, 20, 25, 35; thermic truck - 4 bolt valve block

**USED FOR: TOYOTA**



REF [152TA2058](#) - 3<sup>rd</sup> valve section



REF [131TA4960](#) - 3<sup>rd</sup> valve kit

REF [131TA4968](#) - 4<sup>th</sup> valve kit

- 7FG10, 15, 18, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FD10, 15, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FGF15, 18, 20, 25, 30; thermic truck - 4 bolt valve block
- 7FDF15, 18, 20, 25, 35; thermic truck - 4 bolt valve block

**USED FOR: TOYOTA**



REF [152TA2058](#) - 3<sup>rd</sup> valve section



REF [131TA4961](#) - 3<sup>rd</sup> valve kit

REF [131TA4968](#) - 4<sup>th</sup> valve kit

- 7FG10, 15, 18, 20, 25, 30; 2 bolt valve block
- 7FD10, 15, 20, 25, 30; 2 bolt valve block
- 7FGF15, 18, 20, 25, 30; 2 bolt valve block
- 7FDF15, 18, 20, 25, 35; 2 bolt valve block

**USED FOR: TOYOTA**



REF [152TA2058](#) - 3<sup>rd</sup> valve section



REF [131TA4963](#) - 3<sup>rd</sup> valve kit

REF [131TA4968](#) - 4<sup>th</sup> valve kit

- 7FG35, 40; 7 serie 3, 5 and 4 ton
- 7FD35, 40; 7 serie 3, 5 and 4 ton
- 7FGF35, 40; 7 serie 3, 5 and 4 ton
- 7FDF35, 40; 7 serie 3, 5 and 4 ton

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: TOYOTA



REF [131TA4958](#) - 3<sup>rd</sup> valve section



REF [131TA4964](#) - 3<sup>rd</sup> valve kit

REF [131TA4969](#) - 4<sup>th</sup> valve kit

• 8F

## USED FOR: TOYOTA



REF [131TA4959](#) - 3<sup>rd</sup> valve section



REF [131TA4965](#) - 3<sup>rd</sup> valve kit

REF [131TA4965](#) - 4<sup>th</sup> valve kit

• 8F; joystick controlled

## USED FOR: TOYOTA



REF [106TA7408](#) - 3<sup>rd</sup> valve section



REF [106TA7407](#) - 3<sup>rd</sup> valve kit

- 4FG10, 14, 15, 18
- 3FD10, 14, 15, 18
- 3FG20, 25, 33, 35, 40
- 2FD20, 25, 30

## USED FOR: TOYOTA



REF [106TA7991](#) - 3<sup>rd</sup> valve section



REF [106TA7409](#) - 3<sup>rd</sup> valve kit

• 5FGF/5FDF - 10, 15, 20, 25 (8710 - 8912)

**USED FOR: TOYOTA**



REF [106TA7417](#) - 3<sup>rd</sup> valve section



REF [115TA6976](#) - 3<sup>rd</sup> valve kit

• FBM - 16, 20, 25

**USED FOR: TOYOTA**



REF [115TA6977](#) - 3<sup>rd</sup> valve section



REF [106TA7409](#) - 3<sup>rd</sup> valve kit

• 5FG/5FD 35, 40, 45; up to april 93

**USED FOR: TOYOTA**



REF [115TA6978](#) - 3<sup>rd</sup> valve section



REF [115TA6979](#) - 3<sup>rd</sup> valve kit

• 5FG/5FD 35, 40, 45; from april 93

**USED FOR: TOYOTA**



REF [106TA7991](#) - 3<sup>rd</sup> valve section



REF [105TA4838](#) - 3<sup>rd</sup> valve kit

• Series 5 (8909 - ....)  
• 5FGF/5FDF-10, 15, 20, 25 (8912 - ....)

# AUXILIARY VALVES & HANDLE KITS

## USED FOR: TOYOTA



REF [106TA7992](#) - 3<sup>rd</sup> valve section



REF [106TA7410](#) - 3<sup>rd</sup> valve kit

- 6FG/6FD10, 14, 15, 18
- 6FG/6FD20, 23, 25
- 6FG/6FD28, 30

## USED FOR: TOYOTA



REF [106TA7412](#) - 3<sup>rd</sup> valve section



REF [106TA7411](#) - 3<sup>rd</sup> valve kit

- 2FBE15
- 2FB10, 13, 15, 18

## USED FOR: TOYOTA



REF [105TA4835](#) - 3<sup>rd</sup> valve section



REF [106TA7413](#) - 3<sup>rd</sup> valve kit

- FBA10, 15
- 4FB10, 14, 15, 20, 25
- FBA20, 25 (8003 - 8711)

## USED FOR: TOYOTA



REF [105TA4835](#) - 3<sup>rd</sup> valve section



REF [106TA7415](#) - 3<sup>rd</sup> valve kit

- 4FB10, 14, 15; from (8711 - ....)
- 4FB20, 25; from (8711 - ....)
- FBA10, 15, 20, 25; from (8711 - ....)

**USED FOR: TOYOTA**



REF [106TA7417](#) - 3<sup>rd</sup> valve section



REF [106TA7416](#) - 3<sup>rd</sup> valve kit

- 5FB10, 15, 18
- 5FB20, 25, 30

**USED FOR: TOYOTA**



REF [106TA7993](#) - 3<sup>rd</sup> valve section



REF [106TA7418](#) - 3<sup>rd</sup> valve kit

- 5FBE10, 13, 15, 18

**USED FOR: TOYOTA**



REF [106TA7420](#) - 3<sup>rd</sup> valve section



REF [106TA7419](#) - 3<sup>rd</sup> valve kit

- 6FB10, 14, 15, 20, 25, 30





*21.*

# **TRANSMISSION VALVES**

# TRANSMISSION VALVES

## TRANSMISSION VALVES



- 12 V
- Used for: Clark, G-Power, OMG, Tailift

REF [163TA8686](#)



- 12 V
- Used for: Caterpillar, Mitsubishi, Nissan

REF [131TA6955](#)



- 12 V
- Used for: Hyster, Hyundai, Jungheinrich, Yale

REF [152TA2061](#)



- 12 V
- Used for: Caterpillar, Mitsubishi, Nissan

REF [131TA6957](#)



- 12 V
- Used for: Nissan, TCM

REF [131TA6958](#)



- 12 V
- Used for: Nissan, TCM

REF [131TA9585](#)

## TRANSMISSION VALVES



- 12 V
- Used for: Komatsu, Linde, Still

REF [131TA9588](#)



- 24 V
- Used for: Komatsu, Linde, Nissan, Still

REF [131TA9587](#)



- 24 V
- Used for: Komatsu, Still

REF [131TA9589](#)



- 12 V
- Used for: EP-Forklift, Nissan

REF [138TA9333](#)



- 12 V
- Used for: Kalmar, Komatsu, Linde, Still

REF [134TA3707](#)



- 24 V
- Used for: Caterpillar, Doosan

REF [134TA3705](#)

## TRANSMISSION VALVES



- 12 V
- Used for: Doosan, Hyster, Kalmar, Mitsubishi

REF [134TA3706](#)





A close-up photograph of a solenoid valve coil assembly, showing the intricate wiring and mechanical components. The image is partially obscured by a large red diagonal shape that covers the right side of the page.

*22.*

# **SOLENOID VALVE COILS**

# SOLENOID VALVE COILS

## SOLENOID VALVE COIL



### Do you want to order a solenoid valve coil?

- Please contact your sales advisor if you want to order a solenoid valve coil
- Fill in our technical sheet and send it to us



- Please give us full details of the coil make, the coil details and the complete machine details

## **MAGNETIC FIELD DETECTOR**



Used for testing operating solenoid valves in pneumatic and hydraulic control equipment, testing relays with coils and electrically controlled solenoid valves in all types of vehicles and machines and testing solenoid valves when servicing oil burners

- Easy to use
- Batteries included

REF [142TA1961](#)

## **DIN CONNECTOR**



REF [152TA1981](#)





23.

**CARTRIDGES  
ELECTROVALVES**

# CARTRIDGES ELECTROVALVES

## CARTRIDGES ELECTROVALVES

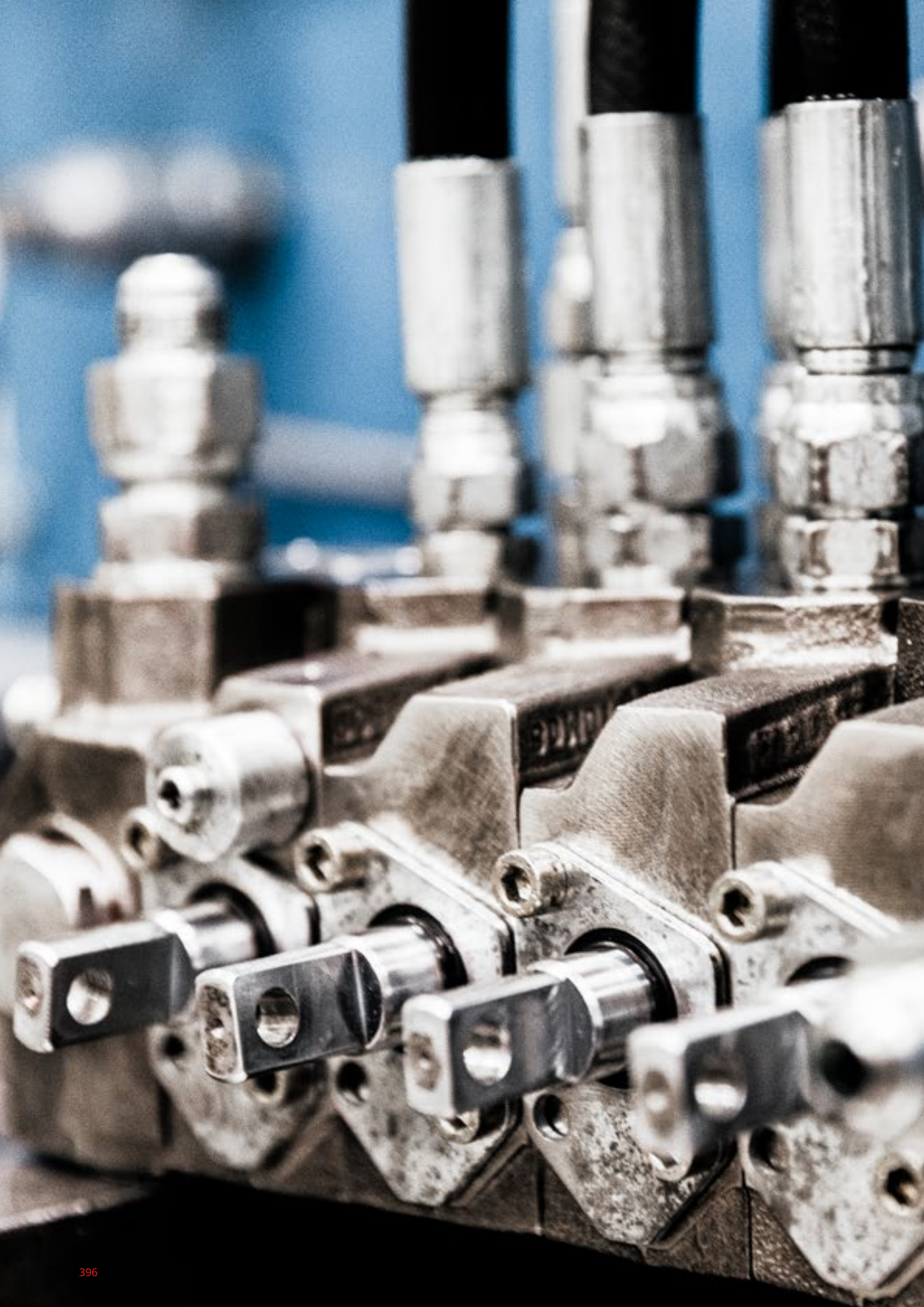


These units have to be ordered by giving full details of the cartridge make, the valve details and the complete machine details.

**We can offer you the brands below:**

Rexroth, Danfoss, Hydac, Hydraforce, Hydac, Parker, Sun, Walvoil, Winner







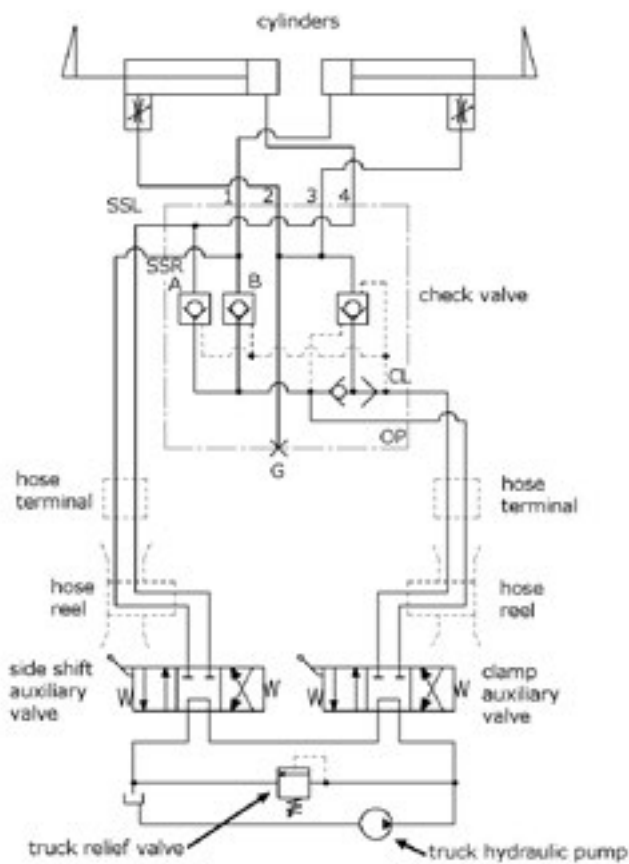
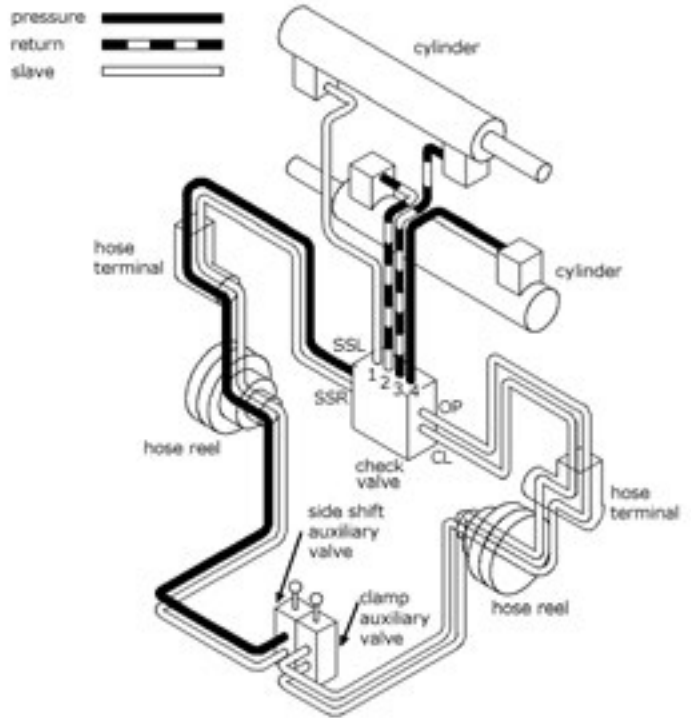
**24.**  
**HYDRAULIC  
VALVES AND  
COMPONENTS**

# HYDRAULIC VALVES AND COMPONENTS

Valves for direct in-line routing with threaded connections suitable for general use.

Due to the variety of operating conditions and applications for these products, it is important that you analyse all aspects of your application before selecting or using one. Through his own analysis and testing, the user is solely responsible for making the final selection of his products and systems. He has to make sure that the environmental requirements of the application are met.

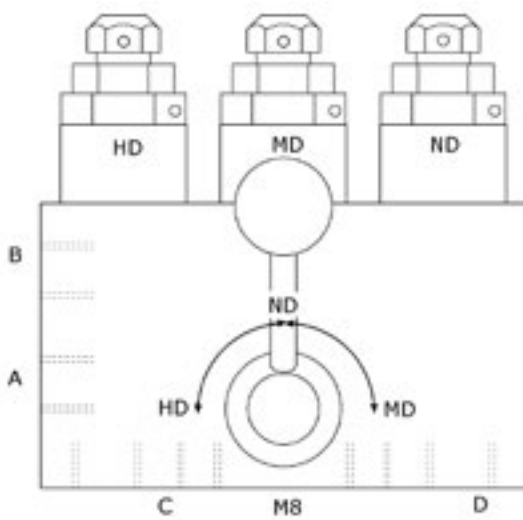
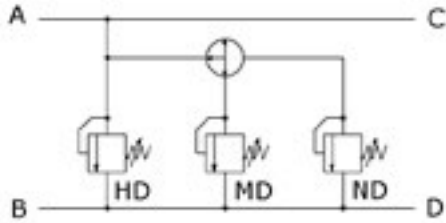
## VALVE BLOCK MANIFOLD FOR SIDE SHIFTING CLAMPS



- Connections: CL, OP, 1, 2, 3, 4: 3/4 - 16 UNF
- G, SSL, SSR: 9/16 - 18 UNF
- Pressure: 110 - 160 bar
- Min. flow: 19 l/min
- Regulated flow 38 l/min
- Max. flow: 45 l/min

REF [133TA7812](#)

## PRESSURE RELIEF VALVE FOR PAPER CLAMP






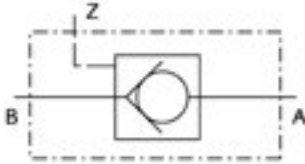

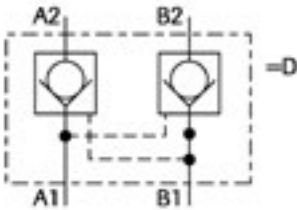

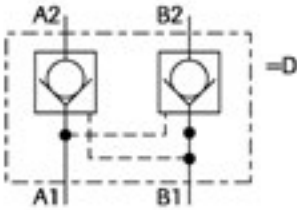
- Mechanical version
- With change-over switch
- 3 pressures
- Up to 200 bar
- Connections: M18 x 1.5

REF [134TA2336](#)

HD = 50 - 200 bar  
MD = 30 - 180 bar  
ND = 0 - 150 bar

# HYDRAULIC VALVES AND COMPONENTS

## CHECK VALVES

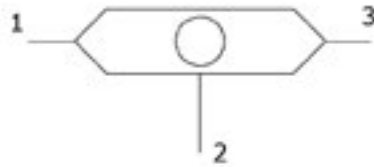
	Symbol	Flow	Ports	REF
		16 l/min 30 l/min 50 l/min 90 l/min	G1/4 G3/8 G1/2 G3/4	<a href="#">127TA3836</a> <a href="#">140TA9077</a> <a href="#">140TA9078</a> <a href="#">140TA9079</a>
			Port A, B = G3/8 Port Z = G1/4	<a href="#">127TA3841</a>
			Threaded connections = G1/4	<a href="#">127TA3840</a>
			Threaded connections = G3/8	<a href="#">127TA3842</a>

## SINGLE BALL SHUTTLE VALVES



- With signal at port 2
- Max. pressure 250 bar
- Used for load sensing signal
- Connections: M16 x 1.5


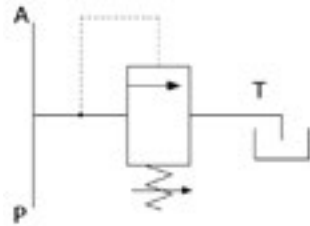
REF [133TA9270](#)



- Connections: 3 x 1/4 BSP

REF [152TA1983](#)


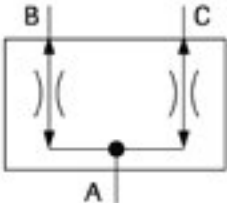
## PRESSURE RELIEF VALVES

	Symbol	Flow	Pressure	Ports	REF
		80 l/min	250 bar	P / A / T 3/4 BSP	<a href="#">133TA7804</a>
		30 l/min	350 bar	P / A / T 1/2 BSP	<a href="#">133TA7836</a>


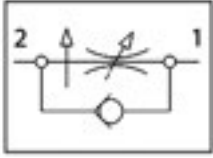
# HYDRAULIC VALVES AND COMPONENTS

## FLOW CONTROL VALVES


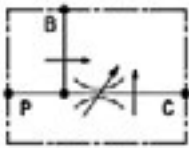

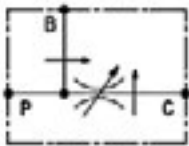
### FLOW DIVIDER - COMBINER

	Min. flow rate	Max. flow rate	Ports	Max. pressure range	Dividing	REF
 	8 l/min	20 l/min	G3/8	350	50:50	<a href="#">127TA3850</a>
	13 l/min	25 l/min	G3/8	300	50:50	<a href="#">140TA9080</a>
	26 l/min	40 l/min	1 x 1/2" BSP + 2 x 3/8" BSP	300	50:50	<a href="#">140TA9081</a>

### 2 WAYS PRESSURE COMPENSATED FLOW VALVE

Symbol	Max flow	P max	Ports	REF
 	18 l/min	250 bar	3/8" BSP	<a href="#">168TA7611</a>
	33 l/min	250 bar	1/2" BSP	<a href="#">168TA7612</a>

### 3 WAYS, PRESSURE COMPENSATED FLOW VALVE


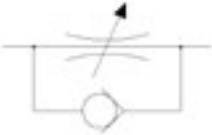
Symbol	Regulated flow	Max flow	P max	Ports	REF
 	0 - 25 l/min	40 l/min	300 bar	3/8" BSP	<a href="#">152TA1986</a>
 	2 - 50 l/min	90 l/min	300 bar	1 port: 3/4" BSP 2 ports: 1/2" BSP	<a href="#">152TA1987</a>

## THROTTLE VALVES

	Symbol	Flow	Pressure	Ports	REF
<b>TYPES WITHOUT BYPASS</b>					
		25 l/min	210 bar	1/4 BSP	<a href="#">133TA7811</a>
		30 l/min	400 bar	3/8 BSP	<a href="#">152TA1990</a>
		40 l/min	200 bar	1/2 BSP	<a href="#">134TA2335</a>
		80 l/min	250 bar	3/4 BSP	<a href="#">133TA7805</a>
		200 l/min	320 bar	1 BSP	<a href="#">133TA7808</a>
	Symbol	Flow	Pressure	Ports	REF
<b>TYPES WITH BYPASS</b>					
		15 l/min	400 bar	1/4 BSP	<a href="#">152TA1991</a>
		30 l/min	200 bar	3/8 BSP	<a href="#">133TA7807</a>
		40 l/min	200 bar	1/2 BSP	<a href="#">133TA7809</a>
		60 l/min	345 bar	1/2 BSP	<a href="#">133TA7806</a>

# HYDRAULIC VALVES AND COMPONENTS

## THROTTLE VALVES

	Symbol	Flow	Pressure	Ports	REF
		95 l/min	210 bar	3/4 BSP	<a href="#">133TA7810</a>

## DIRECTIONAL VALVES

Voltage

REF



For all the directional valves below:

- Type NG-6
- 350 Bar
- 70 L/min.



12 VDC  
24 VDC

[131TA9514](#)  
[131TA9515](#)



12 VDC  
24 VDC

[131TA9516](#)  
[131TA9517](#)



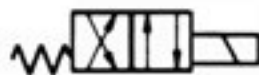
12 VDC  
24 VDC

[131TA9518](#)  
[131TA9519](#)



12 VDC  
24 VDC

[131TA9520](#)  
[131TA9521](#)



12 VDC  
24 VDC

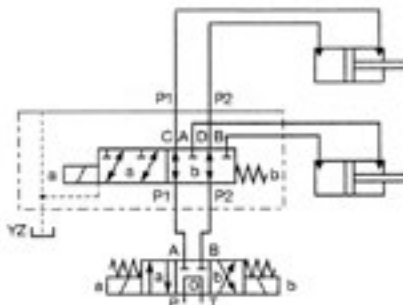
[152TA1977](#)  
[152TA1978](#)

# HYDRAULIC VALVES AND COMPONENTS

## SELECTOR VALVES

Symbol	Voltage	Ports	REF
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ELECTRICAL VALVE TO DOUBLE THE WORKING FUNCTIONS ON ONE LEVER (UNIVERSAL APPLICATION / 6/2 VALVES)

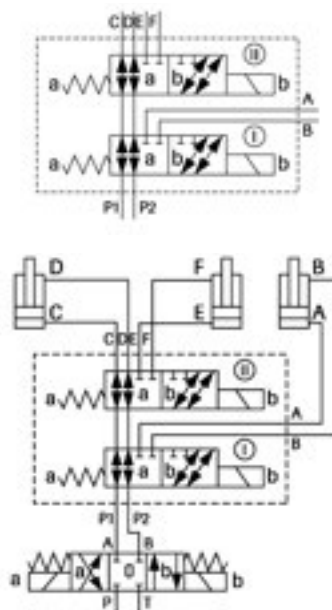


12 V	G3/8	<a href="#">106TA6818</a>
24 V	G3/8	<a href="#">106TA6819</a>
48 V	G3/8	<a href="#">106TA6820</a>
80 V	G3/8	<a href="#">111TA5832</a>

Mounting and lever kit [106TA6821](#)






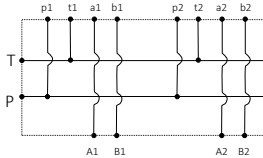
Symbol	Voltage	Ports	REF
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ELECTRICAL VALVE TO DOUBLE THE WORKING FUNCTIONS ON ONE LEVER (UNIVERSAL APPLICATION / 8/3 VALVES)




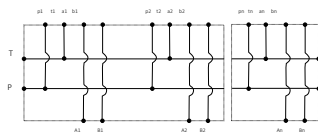

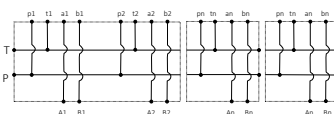

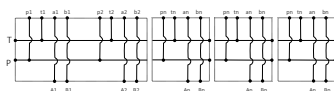

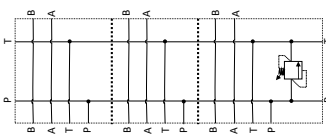

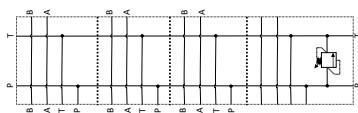
12 VDC	G3/8	<a href="#">127TA3848</a>
24 VDC	G3/8	<a href="#">127TA3849</a>
48 VDC	G3/8	<a href="#">167TA7964</a>

## VALVES

Symbol	Description	REF
	Din Connector	<a href="#">152TA1981</a>
	Base Plate NG6 CETOP 3	<a href="#">152TA1980</a>
	Cover plate NG6 CETOP 3	<a href="#">152TA1982</a>
	M5 x 30 inbus	<a href="#">167TA9064</a>
		<a href="#">167TA9065</a>

# HYDRAULIC VALVES AND COMPONENTS

## VALVES

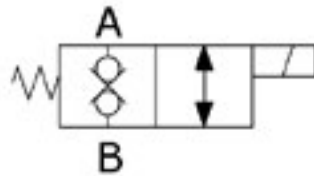
	Symbol	Description	REF
		Manifold 3 elements Blok	<a href="#">167TA9066</a>
		Manifold 4 elements Blok	<a href="#">167TA9067</a>
		Manifold 5 elements Blok	<a href="#">167TA9068</a>
		Manifold 3 elements Blok with pressure relief valve	<a href="#">152TA1979</a>
		Manifold 4 elements Blok with pressure relief valve	<a href="#">167TA9069</a>

## SOLENOID OPERATED CARTRIDGE VALVES

Symbol	Voltage	Ports	Max flow l/min	P max bar	REF
--------	---------	-------	----------------	-----------	-----

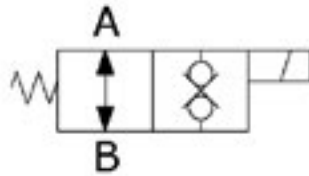


### 1) POPPET 2-WAY DOUBLE LOCK NORMALLY CLOSED



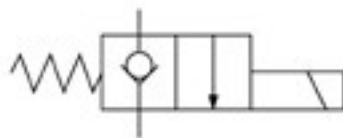
12 VDC	G 1/2	70	350	<a href="#">133TA7813</a>
24 VDC	G 1/2	70	350	<a href="#">133TA7814</a>

### 2) POPPET 2-WAY DOUBLE LOCK NORMALLY OPEN



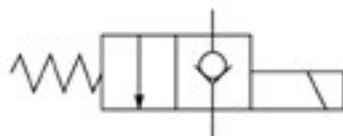
12 VDC	G 1/2	70	350	<a href="#">133TA7835</a>
24 VDC	G 1/2	70	350	<a href="#">133TA7815</a>

### 3) POPPET TYPE, NORMALLY CLOSED



12 VDC	G 3/8	23	207	<a href="#">152TA2007</a>
24 VDC	G 3/8	23	207	<a href="#">152TA2008</a>

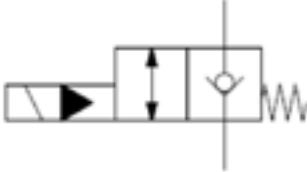
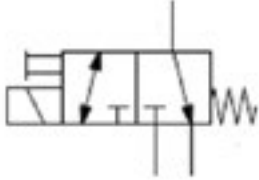
### 4) POPPET TYPE, NORMALLY OPEN



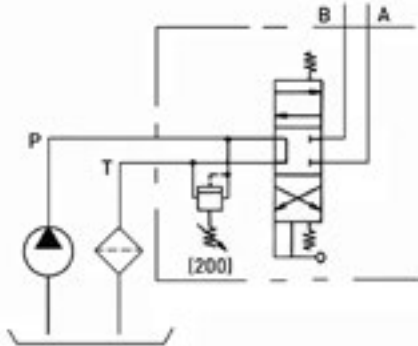
12 VDC	G 3/8	23	207	<a href="#">163TA8267</a>
24 VDC	G 3/8	23	207	<a href="#">152TA2010</a>

# HYDRAULIC VALVES AND COMPONENTS

## SOLENOID OPERATED CARTRIDGE VALVES

Symbol	Voltage	Ports	Max flow l/min	P max bar	REF
<b>5) POPPET-TYPE, NORMALLY CLOSED, BI-DIRECTIONAL FLOW ALLOWED</b>					
	12 VDC	G 3/8	23	207	<a href="#">127TA3843</a>
	24 VDC	G 3/8	23	207	<a href="#">127TA3844</a>
<b>6) SPOOL-TYPE, 3-WAY</b>					
	12 VDC	G 3/8	15	207	<a href="#">127TA3846</a>
	24 VDC	G 3/8	15	207	<a href="#">127TA3847</a>

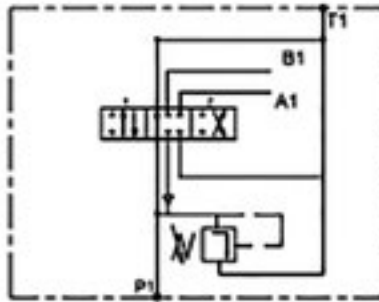
## HYDRAULIC DISTRIBUTOR



- Ports: G 3/8 BSP
- Max flow: 35 l/min

REF [106TA6806](#)

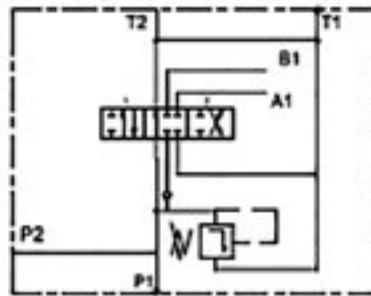
## HYDRAULIC DISTRIBUTORS



- Max flow: 35 l/min

Ports	Type	REF
G 3/8 BSP	1 way	<a href="#">152TA2003</a>
G 1/2 BSP	2 way	<a href="#">167TA7965</a>
G 1/2 BSP	3 way	<a href="#">167TA7966</a>
G 1/2 BSP	4 way	<a href="#">167TA7967</a>

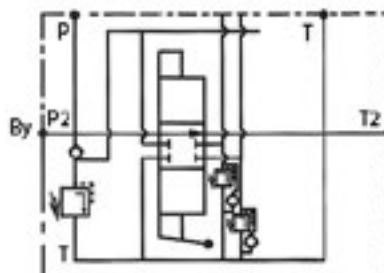
## HYDRAULIC DISTRIBUTOR WITH MICROSWITCH



- Ports: 3/8 BSP
- Max flow: 35 l/min

REF [152TA2005](#)

## HYDRAULIC DISTRIBUTOR

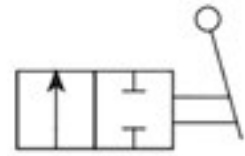
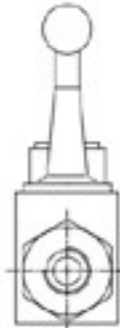
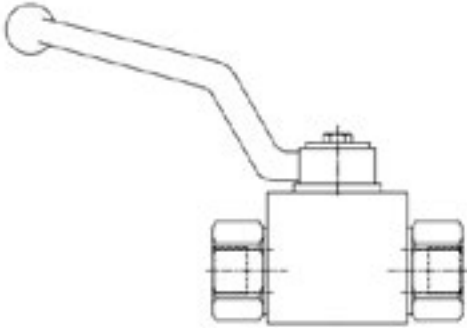


- Connections: P, A, B = G 3/4 BSP
- T = G1
- Inclusive carry over plug G1
- Max flow: 120 l/min
- P max: 250 bar

REF [163TA8519](#)

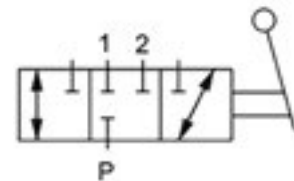
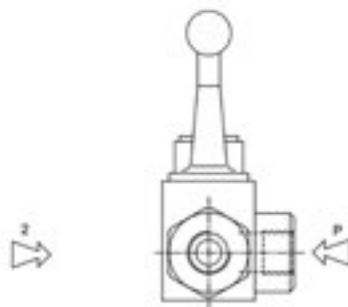
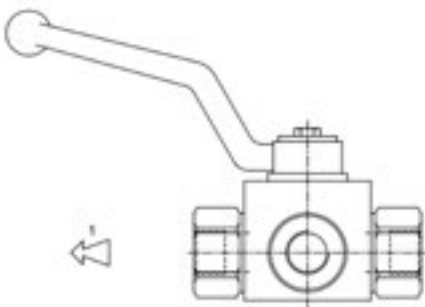
# HYDRAULIC VALVES AND COMPONENTS

## 2 WAYS BALL VALVES



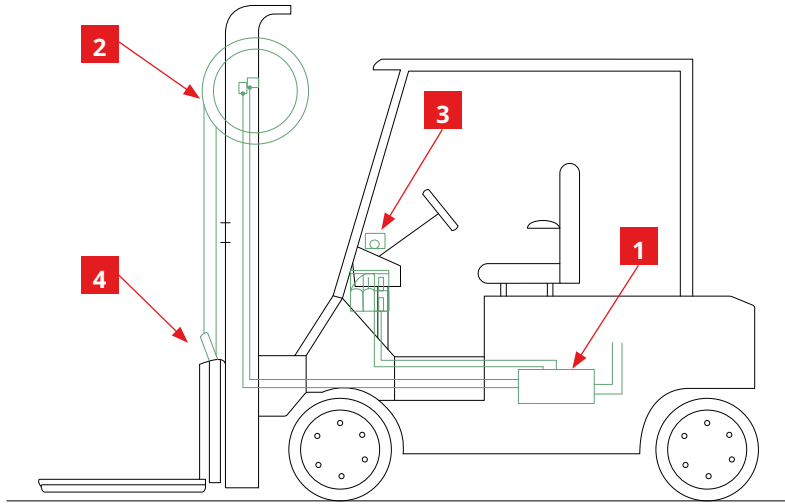
Ports	REF
1" BSP	<a href="#">152TA2039</a>
3/4" BSP	<a href="#">168TA6468</a>
1/2" BSP	<a href="#">152TA2040</a>
3/8" BSP	<a href="#">152TA2041</a>
1/4" BSP	<a href="#">152TA2042</a>

## 3 WAYS BALL VALVES



Ports	REF
1" BSP	<a href="#">152TA2749</a>
3/4" BSP	<a href="#">152TA2748</a>
1/2" BSP	<a href="#">152TA2747</a>
3/8" BSP	<a href="#">152TA2746</a>

**UNIVERSAL KIT TO ADD AN EXTRA FUNCTION ON YOUR FORKLIFT WITH HYDRAULIC HOSE REEL**



- 1 6/2 valve
- 2 Hose reel
- 3 Switch
- 4 Swivel

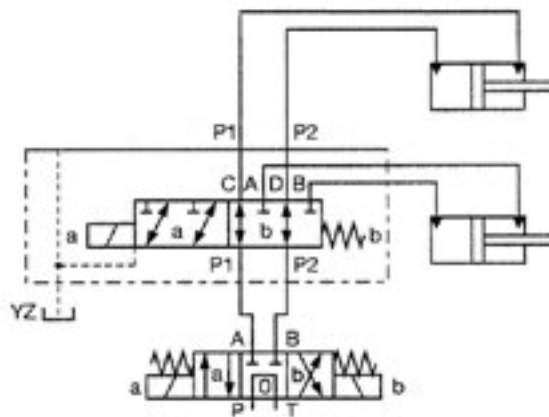
**1) 6/2 VALVE**

**3/8 BSP**

Type	REF
6/2 valve 12 V	<a href="#">106TA6818</a>
6/2 valve 24 V	<a href="#">106TA6819</a>
6/2 valve 48 V	<a href="#">106TA6820</a>
6/2 valve 80 V	<a href="#">111TA5832</a>

**1/2 BSP**

Type	REF
6/2 valve 12 V	<a href="#">161TA5963</a>
6/2 valve 24 V	<a href="#">161TA5964</a>
6/2 valve 48 V	<a href="#">161TA5965</a>
6/2 valve 80 V	<a href="#">161TA5966</a>



# HYDRAULIC VALVES AND COMPONENTS

## UNIVERSAL KIT TO ADD AN EXTRA FUNCTION ON YOUR FORKLIFT

### 2) HOSE REEL AND BRACKET



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	280 mm	3.91 m	Double synflex 1/4"	<a href="#">107TA3683</a>
LH**	280 mm	3.91 m	Double synflex 1/4"	<a href="#">107TA3684</a>

- 2 REF [107TA3678](#) - RH reel (without hoses)\*
- REF [107TA3679](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3681](#) - Hose, end connection 7/16" JIC\*/\*\*
- 4 REF [107TA3680](#) - Fitting\*/\*\* (4 required)
- 5 REF [107TA3682](#) - Mounting bracket\*/\*\*

• Max lifting height: 6.3 m (duplex mast), 4.8 m (triplex mast)  
\* Kit included for RH, \*\* Kit included for LH



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	330 mm	4.57 m	Double synflex 3/8"	<a href="#">107TA3676</a>
LH**	330 mm	4.57 m	Double synflex 3/8"	<a href="#">107TA3677</a>

- 2 REF [107TA3673](#) - RH reel (without hoses)\*
- REF [107TA3674](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3675](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [107TA3668](#) - Fitting\*/\*\* (4 required)
- 5 REF [107TA3670](#) - Mounting bracket\*/\*\*

• Max lifting height: 7.1 m (duplex mast), 5.5 m (triplex mast)  
\* Kit included for RH, \*\* Kit included for LH



Type	Reel diameter	Max hose length	Hose type	REF
1 Complete kit				
RH*	410 mm	7.62 m	Double synflex 3/8"	<a href="#">107TA3671</a>
LH**	410 mm	7.62 m	Double synflex 3/8"	<a href="#">107TA3672</a>

- 2 REF [107TA3666](#) - RH reel (without hoses)\*
- REF [107TA3667](#) - LH reel (without hoses)\*\*
- 3 REF [107TA3669](#) - Hose, end connection 9/16" JIC\*/\*\*
- 4 REF [107TA3668](#) - Fitting\*/\*\* (4 required)
- 5 REF [107TA3670](#) - Mounting bracket\*/\*\*

• Max lifting height: 13 m (duplex mast), 9.81 m (triplex mast)  
\* Kit included for RH, \*\* Kit included for LH



Hose reel bracket right  
REF [161TA5785](#)



Hose reel bracket left  
REF [161TA5786](#)

**UNIVERSAL KIT TO ADD AN EXTRA FUNCTION ON YOUR FORKLIFT**

**3) SWITCH**



REF [146TA6446](#)

**4) SWIVEL**



REF [135TA9669](#)





*25.*

**HYDRAULIC  
FILTERS**

# HYDRAULIC FILTERS

## HYDRAULIC FILTERS



At TVH we have an extensive range of hydraulic filters and accessories. Next to our TotalSource brand we also supply filters from hydraulics specialists like **Argo Hytos, Donaldson, Hydac, Parker and others.**

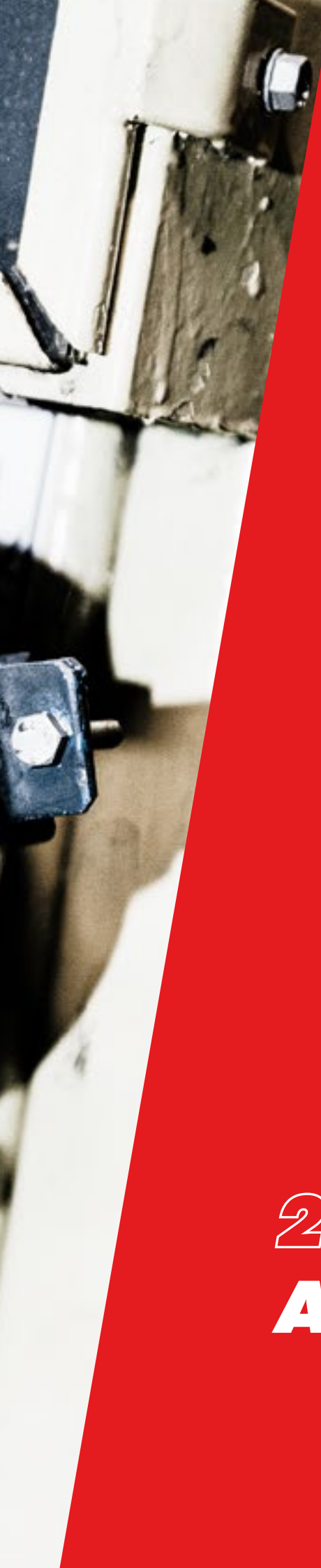


Do you prefer looking up the references online? Then go to **our online shop** and have a look in **MyPartsFinder** to find your hydraulic filter via machine information.









*26.*  
**ACCUMULATORS**

# ACCUMULATORS

## HYDRAULIC ACCUMULATORS / UNIVERSAL APPLICATION



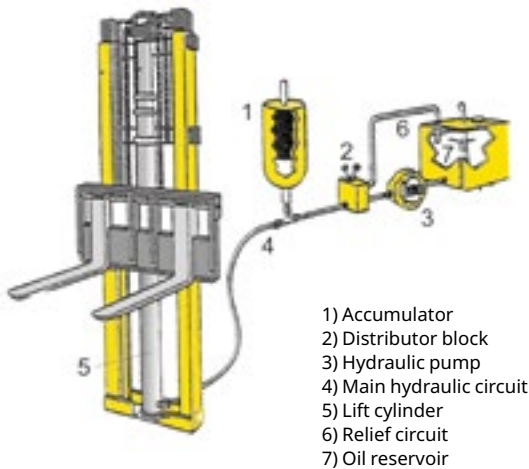
### No accumulator

- Faster driver-fatigue
- Loss of control of the vehicle
- Difficult handling of the lift lever
- Damage to the goods
- Damage and consequent downtime due to vibrations



### With accumulator

- Less driver-fatigue
- Improved vehicle handling
- Easier operation of the lift lever
- Transported goods are delivered undamaged
- Decreased downtime of the truck



We recommend following capacity for our hydraulic

Forklift capacity	Accumulator capacity
500 kg > 1 T	0.5 l
+1 T > 3 T	0.75 l
+3 T > 5 T	1 l
+5 T > 12 T	2.5 - 2.8 l

For specific applications, please contact our sales department.

\* **Pre-charged** accumulators are ready for immediate use, but **cannot be shipped by air**.

When the goods have to be shipped by air, it is necessary to order the non-pre-charged execution.

These should be charged before use for proper operation.

Charge pressure is 1/3 of average working pressure of the truck.

### Sticker on your accumulator

Please take note of a similar sticker on your accumulator as this one and let us know the precharge pressure.

If you are not able to locate this, on the accumulator itself there is an engraving stating "P0 = x bar".

This information will reduce (search time).

- Fill kit accumulators REF [167TA1641](#)
- The possibility is there to get most accumulators to the desired pressure.
- It is important that you pass on the information on the old battery with the correct pre-charge pressure



## ACCUMULATORS

Type A: bladder



Type B: diaphragm welded



Type C: diaphragm screwed



Type D: piston



We can supply all requested brands: Hydac, Hydro Leduc, Fox, Integral, Parker, Rexroth, Saip, ...

You can also use  
our technical sheet:



# ACCUMULATORS

## ACCUMULATOR: 500 KG > 1 T (0.5 L)



Connection: M18 x 1.5 internal

Pre-charged\* REF [113TA2370](#)

Not pre-charged REF [113TA2371](#)

Bracket REF [113TA2381](#)

## ACCUMULATOR: + 1 T > 2 T (0.75 L)



Connection: M33 x 1.5 external G1/2" internal

Pre-charged\* REF [113TA2372](#)

Not pre-charged REF [152TA2750](#)

Bracket REF [113TA2382](#)

## ACCUMULATOR: + 2 T > 3 T (0.75 L)



Connection: M33 x 1.5 external G1/2" internal

Pre-charged\* REF [113TA2374](#)

Not pre-charged REF [152TA2751](#)

Bracket REF [113TA2383](#)

## ACCUMULATOR: + 3 T > 5 T (1 L)



Connection: 3/4 BSP-14 internal

Pre-charged\* REF [113TA2376](#)

Not pre-charged REF [111TA6198](#)

Bracket REF [113TA2382](#)

## ACCUMULATOR: + 5 T > 8 T (2.8 L)



Connection: M22 x 1.5 internal

Pre-charged\* REF [113TA2377](#)

Not pre-charged REF [152TA2752](#)

Bracket REF [113TA2384](#)

## ACCUMULATOR: + 8 T > 12 T (2.5 L)



Connection: G1" 1/4 internal

Pre-charged\* REF [113TA2379](#)

Not pre-charged REF [113TA2380](#)

Bracket REF [113TA2382](#)

## DIAGNOSTIC SERVICE KITS



### UNIVERSAL ACCUMULATOR PRESSURE CONTROL KIT

This kit enables you to check or to change the pressure of a Hydraulic accumulator. Discharging the accumulator is also possible with this kit. Compatible with all hydraulic accumulator connections. All this comes in a durable, lightweight case.

#### Contents:

- Charging valve
- 1 Gauge 0 - 25 bar
- 1 Gauge 0 - 250 bar
- 5 Most used accumulator connections (3/4 BSP; M16 x 2; M28 x1.5; 5/8 UNF; 7/8 UNF)
- Adapters to connect French and German nitrogen bottles
- 2.5 m hose to connect the valve to bottle

REF [134TA2343](#)





*27.*

**PROTECTIVE  
COVERS**

# PROTECTIVE COVERS

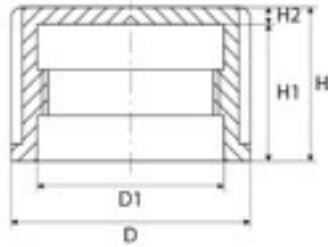
## PROTECTIVE COVERS



You can also fill in our technical sheet to make a selection



## TYPE A



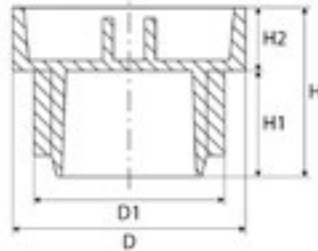
Thread	Metric/inch	Imperial pitch	Pitch	D mm	D1 mm	H mm	H1 mm	H2 mm	REF
M8	M		1	12	8	9	8	1	<a href="#">107TA5695</a>
M8	M		1.25	12	8	9	8	1	<a href="#">107TA5684</a>
M10	M		1	14	10	9	8	1	<a href="#">107TA5696</a>
M10	M		1.5	14	10	9	8	1	<a href="#">107TA5685</a>
M12	M		1	16	12	13.5	12	1.5	<a href="#">107TA5697</a>
M12	M		1.5	16	12	13.5	12	1.5	<a href="#">107TA5698</a>
M12	M		1.75	16	12	13.5	12	1.5	<a href="#">107TA5686</a>
M14	M		1.5	18	14	13.5	12	1.5	<a href="#">107TA5699</a>
M14	M		2	18	14	13.5	12	1.5	<a href="#">107TA5687</a>
M16	M		1.5	21	16	13.5	12	1.5	<a href="#">152TA1942</a>
M16	M		2	21	16	13.5	12	1.5	<a href="#">107TA5688</a>
M18	M		1.5	22	18	13.5	12	1.5	<a href="#">107TA5701</a>
M18	M		2	22	18	13.5	12	1.5	<a href="#">107TA5713</a>
M18	M		2.5	22	18	13.5	12	1.5	<a href="#">107TA5689</a>
M20	M		1.5	25	20	15.5	14	1.5	<a href="#">107TA5702</a>
M20	M		2	25	20	15.5	14	1.5	<a href="#">107TA5714</a>
M20	M		2.5	25	20	15.5	14	1.5	<a href="#">107TA5690</a>
M22	M		1.5	28	22	15.5	14	1.5	<a href="#">107TA5703</a>
M22	M		2	28	22	15.5	14	1.5	<a href="#">107TA5715</a>
M22	M		2.5	28	22	15.5	14	1.5	<a href="#">107TA5691</a>
M23	M		1.5	29	23	23	22	1	<a href="#">107TA5704</a>
M24	M		1.5	30	24	15.5	14	1.5	<a href="#">107TA5705</a>
M24	M		3	32	24	16	14	2	<a href="#">107TA5692</a>
M25	M		1.5	33	25	16	14	2	<a href="#">107TA5706</a>
M26	M		1.5	34	26	13.5	11	2.5	<a href="#">107TA5707</a>
M27	M		3	35	27	16	14	2	<a href="#">107TA5693</a>
M28	M		1.5	34.5	28	30	28	2	<a href="#">107TA5708</a>
M30	M		1.5	36	30	15.5	14	1.5	<a href="#">107TA5709</a>
M30	M		2	38	30	16	14	2	<a href="#">107TA5716</a>
M30	M		3.5	38	30	16	14	2	<a href="#">107TA5694</a>
M36	M		1.5	44	36	19	17	2	<a href="#">107TA5710</a>
M36	M		2	44	36	19	17	2	<a href="#">107TA5717</a>
M42	M		2	50	42	17	15	2	<a href="#">107TA5718</a>
M45	M		1.5	53	45	17	15	2	<a href="#">107TA5711</a>
M45	M		2	53	45	17	15	2	<a href="#">107TA5719</a>
M52	M		2	60	52	17	15	2	<a href="#">107TA5720</a>
M55	M		1.5	63	55	18	16	2	<a href="#">107TA5712</a>
1/4 UNF	I	28		12	6.35	9	8	1	<a href="#">107TA5766</a>
5/16 UNF	I	24		12	7.94	9	8	1	<a href="#">107TA5767</a>
7/16 UNF	I	20		15	11.11	13.5	12	1.5	<a href="#">107TA5768</a>
1/2 UNF	I	20		18	12.7	16.5	15	1.5	<a href="#">107TA5769</a>
9/16 UNEF	I	24		18	14.29	13	12	1	<a href="#">107TA5771</a>
9/16 UNF	I	18		18	14.29	20	18	2	<a href="#">107TA5770</a>

# PROTECTIVE COVERS

## TYPE A

Thread	Metric/inch	Imperial pitch	Pitch	D mm	D1 mm	H mm	H1 mm	H2 mm	REF
5/8 UNF	I	18		19.3	15.88	13.5	12	1.5	<a href="#">107TA5772</a>
3/4 UNF	I	16		24	19.05	15	14.2	0.8	<a href="#">107TA5773</a>
7/8 UNF	I	14		27	22.23	19.5	18	1.5	<a href="#">107TA5774</a>
15/16 UNEF	I	20		29	23.81	21.5	20	1.5	<a href="#">107TA5775</a>
1 1/16" UNF	I	12		34.5	26.99	16	14	2	<a href="#">107TA5778</a>
1 1/16" UNEF	I	16		34.5	26.99	25	23	2	<a href="#">107TA5779</a>
1 1/8" UNF	I	12		60	53.98	19	17	2	<a href="#">107TA5790</a>
1 1/8" UNEF	I	16		60	53.98	20	18	2	<a href="#">107TA5791</a>
1 3/16" UNEF	I	20		38	30.16	16	14	2	<a href="#">107TA5780</a>
1 1/4" UNF	I	12		38	31.75	16	14	2	<a href="#">107TA5781</a>
1 1/4" UNEF	I	14		33	25.4	16	14	2	<a href="#">107TA5776</a>
1 5/16" UNF	I	12		40	33.34	16	14	2	<a href="#">107TA5782</a>
1 3/8" UNF	I	16		69	60.32	20	18	2	<a href="#">107TA5793</a>
1 7/16" UNEF	I	18		44	36.51	26	24	2	<a href="#">107TA5783</a>
1 5/8" UNF	I	12		50	41.29	19	17	2	<a href="#">107TA5784</a>
1 5/8" UNEF	I	16		50	41.29	19	17	2	<a href="#">107TA5785</a>
1 3/4" UNEF	I	16		53	44.45	19	17	2	<a href="#">107TA5786</a>
1 13/16" UNF	I	16		53	46.04	19	17	2	<a href="#">107TA5787</a>
1 7/8" UNF	I	12		55	47.63	19	17	2	<a href="#">107TA5788</a>
1 7/8" UNEF	I	18		55	47.63	19	17	2	<a href="#">107TA5789</a>
2 1/4" UNF	I	12		66	57.15	20	18	2	<a href="#">107TA5792</a>
2 1/2" UNF	I	12		72	63.5	20	18	2	<a href="#">107TA5794</a>
2 1/2" UNEF	I	16		72	63.5	20	18	2	<a href="#">107TA5795</a>
G1/8	I	28		14	8.57	9	8		<a href="#">134TA2413</a>
G1/4	I	19		18	11.44	13.5	12		<a href="#">134TA2414</a>
G3/8	I	19		21	14.95	13.5	12		<a href="#">134TA2415</a>
G1/2	I	14		25	18.63	15.5	14		<a href="#">134TA2416</a>
G5/8	I	14		28	20.56	15.5	14		<a href="#">134TA2417</a>
G3/4	I	14		32	24.12	16	14		<a href="#">134TA2418</a>
G1	I	11		39	30.3	16	14		<a href="#">134TA2419</a>
G1 1/4"	I	11		47.7	38.95	19.7	17.7		<a href="#">134TA2420</a>
G1 1/2"	I	11		56	44.85	19.7	17		<a href="#">134TA2421</a>
G2	I	11		68	56.67	20	18		<a href="#">134TA2422</a>
G2 1/2"	I	11		80.9	72.23	20	18		<a href="#">134TA2423</a>

## TYPE B



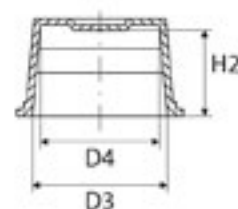
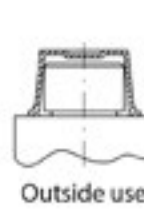
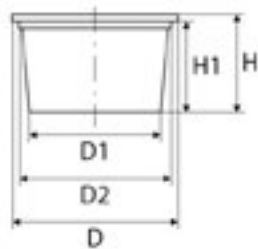
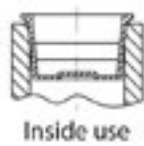
Thread	Metric/inch	Imperial pitch	Pitch	D mm	D1 mm	H mm	H1 mm	H2 mm	REF
M6	M	0.75		12	6	12	7	5	<a href="#">107TA5645</a>
M6	M	1		12	6	12	7	5	<a href="#">107TA5644</a>
M8	M	1		12	8	12	7	5	<a href="#">107TA5655</a>
M8	M	1.25		12	8	12	7	5	<a href="#">107TA5646</a>
M10	M	1		14	10	14	9	5	<a href="#">107TA5656</a>
M10	M	1.5		14	10	14	9	5	<a href="#">107TA5647</a>
M12	M	1		16	12	14	9	5	<a href="#">107TA5657</a>
M12	M	1.5		16	12	14	9	5	<a href="#">107TA5659</a>
M12	M	1.75		16	12	14	9	5	<a href="#">107TA5648</a>
M14	M	1		19	14	14	9	5	<a href="#">107TA5658</a>
M14	M	1.5		19	14	14	9	5	<a href="#">107TA5660</a>
M14	M	2		19	14	14	9	5	<a href="#">107TA5649</a>
M16	M	1.5		21	16	16	10	6	<a href="#">107TA5661</a>
M16	M	2		21	16	16	10	6	<a href="#">107TA5650</a>
M18	M	1.5		24	18	16	10	6	<a href="#">107TA5662</a>
M18	M	2		24			10	6	<a href="#">107TA5673</a>
M18	M	2.5		24	18	16	10	6	<a href="#">107TA5651</a>
M20	M	1.5		26	20	18	12	6	<a href="#">107TA5663</a>
M20	M	2		26	20	18	12	6	<a href="#">107TA5674</a>
M20	M	2.5		26	20	18	12	6	<a href="#">107TA5652</a>
M22	M	1.5		28	22	18	12	6	<a href="#">107TA5664</a>
M22	M	2		28			12	6	<a href="#">107TA5675</a>
M24	M	1.5		31.5	24	18	10	8	<a href="#">152TA1944</a>
M24	M	2		31.5	24	18	10	8	<a href="#">107TA5676</a>
M24	M	3		32	24	18	10	8	<a href="#">107TA5654</a>
M26	M	1.5		31.5	26	20	12	8	<a href="#">107TA5666</a>
M27	M	2		32			12	8	<a href="#">107TA5677</a>
M30	M	1.5		36	30	20	12	8	<a href="#">107TA5667</a>
M30	M	2		36	30	20	12	8	<a href="#">107TA5678</a>
M33	M	2		39	33	23	13	10	<a href="#">107TA5679</a>
M34	M	1.5		42			13	10	<a href="#">107TA5668</a>
M36	M	1.5		44	36	23	13	10	<a href="#">107TA5669</a>
M36	M	2		44	36	23	13	10	<a href="#">107TA5680</a>
M42	M	1.5		52	42	25	15	10	<a href="#">107TA5670</a>
M42	M	2		52	42	25	15	10	<a href="#">107TA5681</a>
M45	M	1.5		55	45	25	15	10	<a href="#">107TA5671</a>
M45	M	2		55	45	25	15	10	<a href="#">152TA1945</a>
M52	M	1.5		60	52	25	15	10	<a href="#">107TA5672</a>
M52	M	2		60	52	25	15	10	<a href="#">107TA5683</a>
1/4 UNF	I		28	12			7	5	<a href="#">107TA7790</a>
3/8 UNF	I		24	14	9.5	30	18	12	<a href="#">107TA8346</a>
7/16 UNF	I		20	16	11.11	14	9	5	<a href="#">107TA7791</a>

# PROTECTIVE COVERS

## TYPE B

Thread	Metric/inch	Imperial pitch	Pitch	D mm	D1 mm	H mm	H1 mm	H2 mm	REF
1/2 UNF	I		20	16	12.7	14	9	5	<a href="#">107TA7792</a>
9/16 UNEF	I		24	19	14.29	14	9	5	<a href="#">107TA7794</a>
9/16 UNF	I		18	19	14.29	14	9	5	<a href="#">107TA7793</a>
5/8 UNF	I		18	21	15.88	14	9	5	<a href="#">107TA7795</a>
5/8 UNEF	I		24	21	15.88	16	10	6	<a href="#">107TA7796</a>
3/4 UNEF	I		20	24	19.05	30	18	12	<a href="#">107TA7964</a>
3/4 UNF	I		16	26	19.05	16	10	6	<a href="#">107TA7797</a>
7/8 UNEF	I		14	28	22.23	18	12	6	<a href="#">107TA7800</a>
7/8 UNF	I		9	28	22.23	22	16	6	<a href="#">107TA7799</a>
15/16 UNEF	I		20	32	23.81	18	12	6	<a href="#">107TA7801</a>
1" UNS	I		16	32	25.4	18	10	8	<a href="#">107TA7803</a>
1" UNEF	I		14	32	25.4	18	12	6	<a href="#">107TA7802</a>
1 1/16" UN	I		16	32	26.99	20	12	8	<a href="#">107TA7805</a>
1 1/16" UN	I		12	32	26.99	30	18	12	<a href="#">107TA7965</a>
1 3/16" UNEF	I		20	36	30.16	18	10	8	<a href="#">107TA7806</a>
1 1/4" UNF	I		12	36	31.75	20	12	8	<a href="#">107TA7807</a>
1 5/16" UNF	I		12	42	33.34	20	12	8	<a href="#">107TA7808</a>
1 3/8" UNEF	I		18	42	34.93	20	12	8	<a href="#">107TA7809</a>
1 7/16" UNEF	I		18	44	36.51	20	12	8	<a href="#">107TA7810</a>
1 5/8" UNF	I		12	52	41.29	23	13	10	<a href="#">107TA7811</a>
1 5/8" UNEF	I		16	52	41.29	23	13	10	<a href="#">107TA7812</a>
1 3/4" UNEF	I		16	55	44.45	23	13	10	<a href="#">107TA7813</a>
1 13/16" UNEF	I		16	55	46.04	25	15	10	<a href="#">107TA7814</a>
1 7/8" UNF	I		12	57	47.63	25	15	10	<a href="#">107TA7815</a>
1 7/8" UNS	I		18	57	47.63	25	15	10	<a href="#">107TA7816</a>
2 1/8" UNF	I		12	62	53.98	25	15	10	<a href="#">107TA7817</a>
2 1/8" UNEF	I		16	62	53.98	25	15	10	<a href="#">107TA7818</a>
2 1/4" UNF	I		12	65	57.15	25	15	10	<a href="#">107TA7819</a>
2 3/8" UNEF	I		16	72	60.32	25	15	10	<a href="#">107TA7820</a>
2 1/2" UNF	I		12	72	63.5	25	15	10	<a href="#">107TA7821</a>
2 1/2" UNEF	I		16	72	63.5	25	15	10	<a href="#">107TA7822</a>
G1/8	G		28	14			9	5	<a href="#">134TA2337</a>
G1/4	G		19	19			9	5	<a href="#">134TA2338</a>
G3/8	G		19	21			10	6	<a href="#">134TA2339</a>
G1/2	G		14	26			12	6	<a href="#">134TA2340</a>
G5/8	G		14	28			12	6	<a href="#">134TA2341</a>
G3/4	G		14	31.5			12	8	<a href="#">134TA2342</a>
1/4 NPTF	I		18	19	6.35	12	7	5	<a href="#">107TA7789</a>

## TYPE C



D mm	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	REF
10	4.4	6.15	4.55	2.8	10	10.8	<a href="#">107TA5721</a>
11	6	7.75	6.15	4.4	10	10.8	<a href="#">107TA5722</a>
11	8.1	9.2	7.8	6.6	7.2		<a href="#">134TA2641</a>
11	9	7.4			9.5	10.5	<a href="#">134TA2427</a>
12	8.3	6			16	17	<a href="#">134TA2425</a>
12	8.9	5.8			9.5	10.5	<a href="#">134TA2426</a>
12	9.8	11	9.6	8.4	7.2		<a href="#">134TA2642</a>
13	7.2	5.2			9	10.5	<a href="#">134TA2424</a>
13	7.6	9.35	7.75	6	10	10	<a href="#">107TA5723</a>
14	8.4	10.15	8.55	6.8	10	10	<a href="#">107TA5724</a>
14	9.2	10.95	9.25	7.5	10	10	<a href="#">107TA5725</a>
14	10.6	11.6	10	8.8	7		<a href="#">134TA2643</a>
15	9.9	11.65	10.05	8.3	10	10	<a href="#">107TA5726</a>
15	11.4	12.4	11.2	10	7		<a href="#">134TA2644</a>
15	12.8	11.3			9.5	10.5	<a href="#">134TA2432</a>
16	10.3	8			15.5	16.5	<a href="#">134TA2428</a>
16	10.6	12.35	10.75	9	10	10	<a href="#">107TA5727</a>
16	10.8	8			15.8	17	<a href="#">134TA2429</a>
16	13.3	14.4	12.8	10	7		<a href="#">134TA2645</a>
17	11.3	13	11.2	9.5	11.3	10	<a href="#">107TA5728</a>
17	14	15.1	13.6	12.4	7.2		<a href="#">134TA2646</a>
17	14.7	11.7			9.5	10.5	<a href="#">134TA2434</a>
18	12	14.1	12.5	10.4	12	12	<a href="#">107TA5729</a>
18	12	9.8			10	11.2	<a href="#">134TA2430</a>
18	12.5	14.6	13.3	11.2	12	12	<a href="#">107TA5730</a>
18	13.4	11.5			10	10	<a href="#">134TA2433</a>
18	14.6	15.6	14.5	13.3	7.2		<a href="#">134TA2647</a>
18	15.3	16.4	14.8	13.6	7		<a href="#">134TA2648</a>
19	13.5	15.6	14	11.9	12	12	<a href="#">107TA5731</a>
19	14	16.1	14.5	12.4	12	12	<a href="#">107TA5732</a>
20	14.5	11.5			20.8	21.1	<a href="#">134TA2435</a>
20	15.2	12.8			12.7	13.7	<a href="#">134TA2436</a>
20	16	17.3	16.2	14.6	9		<a href="#">134TA2649</a>
20	17	14.5			24	25.5	<a href="#">134TA2440</a>
20	17	14.5			9.5	10.5	<a href="#">134TA2439</a>
21	14.7	17	15.5	13.2	13	13	<a href="#">107TA5733</a>
21	17.4	18.8	18	16.4	9.2		<a href="#">134TA2650</a>
21	18.4	15.5			25	26	<a href="#">134TA2441</a>
22	16.3	18.6	17	14.7	13	13	<a href="#">107TA5734</a>
22	16.6	13.5			21	22	<a href="#">134TA2437</a>
22	17.1	19.4	17.8	15.5	13	13	<a href="#">107TA5735</a>
22	18.2	19.6	18.8	17.2	9		<a href="#">134TA2651</a>

# PROTECTIVE COVERS

## TYPE C

D mm	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	REF
22	20.7	17.7			9.5	10.5	<a href="#">134TA2446</a>
24	16.6	13.5			9	10.5	<a href="#">134TA2438</a>
24	17.5	20.1	18.5	15.9	15	15	<a href="#">107TA5736</a>
24	18.7	20	19	17.7	9.2		<a href="#">134TA2652</a>
24	19.8	21.2	19.7	18.3	8.8		<a href="#">134TA2653</a>
25	18.4	21	19.4	16.8	15	15	<a href="#">107TA5737</a>
25	18.9	16.5			10.5	11	<a href="#">134TA2443</a>
25	19	21.6	20	17.4	15	15	<a href="#">152TA1947</a>
25	20.3	22.6	20.8	18.4	14		<a href="#">134TA2654</a>
25	22.5	19.7			12	12.5	<a href="#">134TA2447</a>
26	212	233	22	196	142		<a href="#">134TA2655</a>
26	246	215			25	26	<a href="#">134TA2450</a>
27	20.4	23.2	21.6	18.8	16	16	<a href="#">107TA5739</a>
28	18.4	15.5			25	26	<a href="#">134TA2442</a>
28	20.2	17.8			21	21.5	<a href="#">134TA2445</a>
28	20.7	23.5	21.9	19.1	16	16	<a href="#">107TA5740</a>
28	23	25	24	21.6	14		<a href="#">134TA2656</a>
28	23.9	20.3			29	29.5	<a href="#">134TA2448</a>
28	25.5	22.3			17	18.5	<a href="#">134TA2451</a>
29	22	24.8	23.2	20.4	16	16	<a href="#">107TA5741</a>
30	23.2	26.35	24.35	21.2	18	18	<a href="#">107TA5742</a>
30	24.3	26.4	25	22.6	14		<a href="#">134TA2657</a>
30	25.7	27.8	26.8	24.4	14.2		<a href="#">134TA2658</a>
31	27	24.8			20.5	21.8	<a href="#">134TA2452</a>
32	24.5	21.2			10	10.5	<a href="#">134TA2449</a>
32	24.5	27.8	26.2	22.9	19	19	<a href="#">107TA5743</a>
32	27.2	29.3	27	24.6	14		<a href="#">134TA2659</a>
32	28.4	26			9.5	10	<a href="#">134TA2453</a>
33	25.2	29.2	27.1	23.7	19	19	<a href="#">107TA5744</a>
33	26.4	30.4	28.9	24.9	19	19	<a href="#">107TA5745</a>
33	30	27.3			19	20.5	<a href="#">134TA2454</a>
34	31	28			9.5	10.5	<a href="#">134TA2455</a>
35	27.8	31.1	29.5	26.2	19	19	<a href="#">107TA5746</a>
35	30	32	30.6	28.4	14		<a href="#">134TA2660</a>
36	32.5	29.6			21	22.5	<a href="#">134TA2456</a>
37	29.8	32.6	31.1	28.3	16	16	<a href="#">107TA5747</a>
37	32.8	29.4			19	20	<a href="#">134TA2457</a>
38	31.4	35.1	33.4	29.7	21	21	<a href="#">107TA5748</a>
38	32	34	32	29.6	14		<a href="#">134TA2661</a>
40	33.6	36	34	31.6	14		<a href="#">134TA2662</a>
41	33.3	37.1	35.5	31.7	22	22	<a href="#">107TA5749</a>
41	34.5	37	35	32.6	14		<a href="#">134TA2663</a>
42	35.5	38.1	35.5	33.1	14		<a href="#">134TA2664</a>
42	36	38.4	36	33.6	14		<a href="#">134TA2665</a>
43	38.5	41	39.5	37.1	14		<a href="#">134TA2667</a>
43	40.5	37.5			9.5	11	<a href="#">134TA2459</a>
44	37.9	40	38	35.6	13.8		<a href="#">134TA2666</a>
45	36.7	40.5	39	35.2	22	22	<a href="#">107TA5750</a>
45	38.4	40.7	39.2	36.9	13	13	<a href="#">152TA1948</a>
46	398	42	395	371	14		<a href="#">134TA2668</a>
47	38.8	35.4			21	22	<a href="#">134TA2458</a>
47	41.3	43.5	41.5	39.1	14		<a href="#">134TA2669</a>

## TYPE C

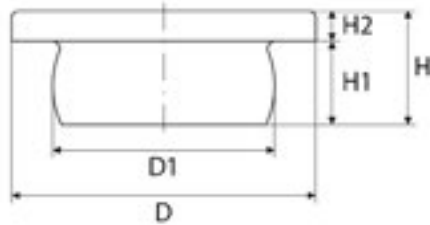
D mm	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	REF
48	38.2	43	41.4	36.6	23	23	<a href="#">107TA5752</a>
48	39.6	42.9	41.9	38	19	19	<a href="#">107TA5753</a>
49	41.4	44.7	43	39.7	19	19	<a href="#">107TA5754</a>
50	44.8	41.4			19	20	<a href="#">134TA2460</a>
51	44.4	47.7	46.1	42.8	19	19	<a href="#">107TA5755</a>
51.5	43.9	46	42	40.2	13.5		<a href="#">134TA2670</a>
52	45.5	47.5	45	43	13.5		<a href="#">134TA2671</a>
53.5	50.5	48.3			24	25.5	<a href="#">134TA2461</a>
54	45.2	49.6	48	43.6	25	25	<a href="#">107TA5756</a>
54	47.9	50	46.5	44.1			<a href="#">134TA2672</a>
54.5	52	49			9.5	10.5	<a href="#">134TA2462</a>
55	46.6	51	49.6	45.2	25	25	<a href="#">107TA5757</a>
55	50.5	53.3	51.3	48.8	14		<a href="#">134TA2674</a>
56	49.8	51.6	48.5	46.1	13.3		<a href="#">134TA2673</a>
58	52.5	54.9	51.5	49.1	13.5		<a href="#">134TA2675</a>
60	54.5	56.2	54	51.6	13.5		<a href="#">134TA2676</a>
61	55.5	58	55	52.6	13.6		<a href="#">134TA2677</a>
61	58	55			12.5	12.5	<a href="#">134TA2463</a>
62	52.5	56.9	55.2	20.8	25	25	<a href="#">107TA5758</a>
63	57	59	56.8	54.5			<a href="#">134TA2678</a>
64	58.5	60.8	58	55.6	13.5		<a href="#">134TA2679</a>
65	54	59.25	57.75	52.5	25	25	<a href="#">107TA5759</a>
65	54.2	58.6	57	52.6	25	25	<a href="#">107TA5760</a>
66	60.5	63	60	57.6	13.5		<a href="#">134TA2680</a>
67	58.4	62.8	61.1	56.7	25	25	<a href="#">107TA5761</a>
67	61.3	63.5	61	58.6	13		<a href="#">134TA2681</a>
68	62.5	64.8	62	59.6	13.2		<a href="#">134TA2682</a>
69	63.5	65.7	63	60.1	13		<a href="#">134TA2683</a>
69	64	61.5			29	30.5	<a href="#">134TA2464</a>
71	60.7	67.1	64.3	59	29	29	<a href="#">107TA5762</a>
71	65	67.3	64.5	62.3	13		<a href="#">134TA2684</a>
72	66	67.5	65	62.6	13		<a href="#">134TA2685</a>
72	69.5	66.5			29	29.5	<a href="#">134TA2465</a>
74	67.9	69.5	67	64.6	13		<a href="#">134TA2686</a>
75	67.1	70.5	68.7	65.4	19	19	<a href="#">107TA5763</a>
75	69.8	71.7	68	66	13		<a href="#">134TA2687</a>
77	71.5	73.4	70	67.6	13		<a href="#">134TA2688</a>
79	72.8	74	70	67.6	13		<a href="#">134TA2689</a>
80	76	70			20	20.5	<a href="#">134TA2466</a>
83	72.4	75.7	74.1	70.8	19	19	<a href="#">107TA5764</a>
85	74	76.6	73	69.9	17		<a href="#">134TA2690</a>
87	76.5	79	76.5	73.4	16.8		<a href="#">134TA2691</a>
88	77.5	80	76	72.9	17		<a href="#">134TA2692</a>
89	82	86	83.9	79.7	23		<a href="#">134TA2695</a>
90	79	82	78	75.4	17		<a href="#">134TA2693</a>
92	81.5	83.6	80	76.9	16.5		<a href="#">134TA2694</a>
92	84.5	87.8	85.7	82.4	19	19	<a href="#">107TA5765</a>
95	84	87.1	83	79.9	16.5		<a href="#">134TA2696</a>
97	86.5	89	86	82.9	17.5		<a href="#">134TA2697</a>
100	89	91.5	88	84.9	17		<a href="#">134TA2698</a>
102	91.5	94	92	88.9	17		<a href="#">134TA2699</a>
105	94	96	92	90	17		<a href="#">134TA2700</a>

# PROTECTIVE COVERS

## TYPE C

D mm	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	REF
107	96.5	99	96	92.9	17		<a href="#">134TA2701</a>
110	99	102.5	99	95.9	17		<a href="#">134TA2702</a>
112	101.5	104	102	98.9	17		<a href="#">134TA2703</a>
115	104	106.5	104	100.9	17		<a href="#">134TA2704</a>
117	106.5	109	106	102.9	17		<a href="#">134TA2705</a>
120	109	111	108	105	17		<a href="#">134TA2706</a>
123	112	114.5	112.5	109.4	17		<a href="#">134TA2707</a>
124.5	114.3	119.2	117.1	112.1	28		<a href="#">134TA2709</a>
125	114	117	114.5	111.4	16.6		<a href="#">134TA2708</a>
130	119	123	120.2	116.1	23		<a href="#">134TA2710</a>
134	124	128	123	119.1	23		<a href="#">134TA2711</a>
140	129	133	130.2	126.1	23		<a href="#">134TA2713</a>
143	133	137	133	129	23		<a href="#">134TA2714</a>
159	149	153	148	144.1	23		<a href="#">134TA2717</a>
159.5	146.8	152.6	149.9	144	23		<a href="#">134TA2716</a>
169	159	162	158	154	23		<a href="#">134TA2719</a>
170	160	164	160	156	23		<a href="#">134TA2720</a>
179	169	172	168	164	23		<a href="#">134TA2721</a>
184	174	177	173	169	23		<a href="#">134TA2722</a>
189	179	182	178	174	23		<a href="#">134TA2723</a>
192	181.5	184.5	180.5	176.5	23		<a href="#">134TA2724</a>
199.5	183.6	190.6	187.9	182	33		<a href="#">134TA2725</a>
209	199	202	198	194	22.5		<a href="#">134TA2726</a>
212	202	205	202.1	198.1	23		<a href="#">134TA2727</a>
213	203	205	202	199	23		<a href="#">134TA2728</a>
216	206	210.6	206	201.6	23.5		<a href="#">134TA2729</a>
235	218	222	217.4	213.5	22.5		<a href="#">134TA2730</a>
242	225	229	225.4	221.3	23.5		<a href="#">134TA2731</a>
249.5	231.2	238.2	235.6	228.6	33		<a href="#">134TA2732</a>
265	253	258	253	249.2	18		<a href="#">134TA2734</a>
267	249	252	248	244.1	22.5		<a href="#">134TA2733</a>
314	293.4	300.2	296.7	289.8	32.5		<a href="#">134TA2735</a>
315	299	304	298	294.1	22.5		<a href="#">134TA2736</a>
326	308	313	308	303.4	21.8		<a href="#">134TA2737</a>
329	311	316	311	306.4	22		<a href="#">134TA2738</a>
358	338	343	338	333.4	22		<a href="#">134TA2739</a>
399	371.9	381	377.7	368.4	32.5		<a href="#">134TA2740</a>
415	398	406	399	392.7	30		<a href="#">134TA2741</a>
455	435	443	437	430.7	30		<a href="#">134TA2742</a>
499	365.4	476.7	472.8	461.3	32		<a href="#">134TA2743</a>
506	484	491	486	479.7	30		<a href="#">134TA2744</a>
1376	1275	1306	1276	1236	23		<a href="#">134TA2712</a>
1636	1535	1575	1536	1496	23		<a href="#">134TA2718</a>

## TYPE D



D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
5	3.1			2	3	<a href="#">134TA2347</a>
5	6.6			2	3	<a href="#">163TA8520</a>
13	6.2	3.8		6	7.3	<a href="#">134TA2575</a>
13	6.4	5		9	10.8	<a href="#">134TA2576</a>
13	7.1	4.7		6	7.8	<a href="#">134TA2577</a>
13	7.8	6		9	10.8	<a href="#">134TA2579</a>
13	8.2	5.8		6	7.8	<a href="#">134TA2578</a>
13	8.8			7.5	9.5	<a href="#">134TA2354</a>
13	9.3	7.7		6	7.3	<a href="#">134TA2580</a>
13	10.3			5.5	7.5	<a href="#">134TA2357</a>
14	10.7		7.5	5.5	2	<a href="#">107TA5808</a>
14	10.7			5.5	7.5	<a href="#">134TA2358</a>
14	7.2		8	6	2	<a href="#">107TA5803</a>
14	7.2		8	6	2	<a href="#">134TA2350</a>
14	8.4		8	6	2	<a href="#">107TA5804</a>
14	8.4			6	8	<a href="#">134TA2351</a>
14	8.6		6.5	4.5	2	<a href="#">107TA5805</a>
14	8.6			4.5	6.5	<a href="#">134TA2352</a>
14	9.2		6.5	4.5	2	<a href="#">107TA5806</a>
14	9.2			4.5	6.5	<a href="#">134TA2355</a>
14	9.4		6.5	4.5	2	<a href="#">107TA5807</a>
14	9.4			4.5	6.5	<a href="#">134TA2356</a>
16	10.4	8		11	12.8	<a href="#">134TA2582</a>
16	10.4	8.1		8	9.2	<a href="#">134TA2581</a>
16	10.7			7	9	<a href="#">134TA2359</a>
16	10.8	8.8		8	9.8	<a href="#">134TA2583</a>
16	11.3	9.4		8	9.3	<a href="#">134TA2584</a>
16	11.7		9	7	2	<a href="#">107TA5809</a>
16	11.9	9.7		13	14.5	<a href="#">134TA2585</a>
16	11.9	9.7		8	9.2	<a href="#">134TA2586</a>
16	12.3		9	7	2	<a href="#">107TA5810</a>
16	12.3			7	9	<a href="#">134TA2360</a>
16	13		9	7	2	<a href="#">107TA5811</a>
16	13			7	9	<a href="#">134TA2361</a>
18	8.6			6	8	<a href="#">134TA2353</a>
19	12.9	10.9		8	9.8	<a href="#">134TA2587</a>
19	13.7	11.7		8	9.8	<a href="#">134TA2588</a>
19	14	11.7		16	17.7	<a href="#">134TA2589</a>
19	14.5	12.5		8	9.3	<a href="#">134TA2590</a>
19	15	13		8	9.3	<a href="#">134TA2591</a>
20	13.7		10	8	2	<a href="#">107TA5812</a>
20	13.7		10	8	2	<a href="#">134TA2362</a>

# PROTECTIVE COVERS

## TYPE D

D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
20	14.6		7.5	5.5	2	<a href="#">107TA5813</a>
20	14.7		8	4	2	<a href="#">134TA2348</a>
20	15		10	8	2	<a href="#">134TA2363</a>
20	15		11.6	8	2	<a href="#">107TA5814</a>
20	15		7.5	5.5	2	<a href="#">107TA5815</a>
20	15			5.5	7.5	<a href="#">134TA2364</a>
20	15.6		10	8	2	<a href="#">107TA5816</a>
20	16.5			5.5	7.5	<a href="#">134TA2367</a>
20	16.7		7.5	5.5	2	<a href="#">107TA8689</a>
22	16.5		7.5	5.5	2	<a href="#">107TA5818</a>
22	16.5			5.5	7.5	<a href="#">134TA2366</a>
22	16.7		7.5	5.5	2	<a href="#">107TA5817</a>
22	16.7			5.5	7.5	<a href="#">134TA2365</a>
22	17.1		10.5	8	2.5	<a href="#">152TA1932</a>
22	17.1		10.5	8	2.5	<a href="#">134TA2368</a>
24	15.9	13.7		9	10.7	<a href="#">134TA2592</a>
24	17	14.7		9	10.6	<a href="#">134TA2593</a>
24	17.7	15.7		9	10.7	<a href="#">134TA2595</a>
24	17.8	14.7		22	23.3	<a href="#">134TA2594</a>
24	18.3	16.5		9	10.7	<a href="#">134TA2596</a>
25	18.4		10.5	8	2.5	<a href="#">107TA5821</a>
25	18.4		10.5	8	2.5	<a href="#">134TA2369</a>
25	19.3		10.8	8	2.8	<a href="#">107TA5822</a>
25	19.3			8	10.8	<a href="#">134TA2370</a>
25	19.6		10.5	8	2.5	<a href="#">107TA5825</a>
25	19.6			8	10.5	<a href="#">134TA2373</a>
25	20.7		10.5	8	2.5	<a href="#">107TA5827</a>
25	20.7			8	10.5	<a href="#">134TA2375</a>
25	21.2		9.5	7.5	2	<a href="#">107TA5823</a>
25	21.2			8	10	<a href="#">134TA2374</a>
25	21.4			7.5	9.5	<a href="#">134TA2371</a>
25	21.5		10	8	2	<a href="#">107TA5826</a>
25	21.7		10.5	8	2.5	<a href="#">107TA5824</a>
25	21.7		10.5	8	2.5	<a href="#">134TA2372</a>
26	19.9	17.7		10	12.2	<a href="#">134TA2597</a>
26	20.9	18.7		10	12.2	<a href="#">134TA2598</a>
26	21.5	18.7		26	28.2	<a href="#">134TA2599</a>
26	22	19.7		10	12.2	<a href="#">134TA2600</a>
26	22.7	20.5		10	12.2	<a href="#">134TA2601</a>
27	24.5		11	8.5	2.5	<a href="#">107TA5832</a>
27	24.5			8.5	11	<a href="#">134TA2380</a>
28	22.4		12	9	3	<a href="#">107TA5828</a>
28	22.4			9	12	<a href="#">134TA2376</a>
28	23.6		12	9	3	<a href="#">107TA5829</a>
28	23.6		12	9	3	<a href="#">134TA2377</a>
28	24		12	9	3	<a href="#">107TA5830</a>
28	24			9	12	<a href="#">134TA2378</a>
28	24.6		12	9	3	<a href="#">107TA5831</a>
28	24.6			9	12	<a href="#">134TA2379</a>
28	25.5		9.5	7.5	2	<a href="#">107TA5833</a>
28	25.5			7.5	9.5	<a href="#">134TA2381</a>
28	26.5		12	9	3	<a href="#">107TA5834</a>

**TYPE D**

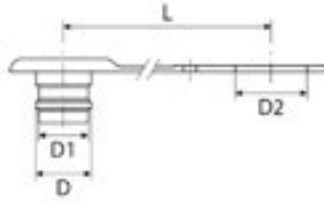
D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
28	26.5		12	9	3	<a href="#">134TA2382</a>
29	23.2	21.2		10	12.2	<a href="#">134TA2602</a>
29	23.7	21.7		10	12.2	<a href="#">134TA2603</a>
29	24.4	23		10	12.2	<a href="#">134TA2604</a>
29	25	23.7		10	12.2	<a href="#">134TA2605</a>
33	26.3	24.9		11	13.2	<a href="#">134TA2606</a>
33	27.2	25.2		11	13.2	<a href="#">134TA2607</a>
33	28.3	25.7		11	13.2	<a href="#">134TA2608</a>
33	29.3	26.9		11	12.5	<a href="#">134TA2609</a>
36	29		15	12	3	<a href="#">107TA5835</a>
36	29			12	15	<a href="#">134TA2383</a>
36	30.1	27.9		11	12.6	<a href="#">134TA2610</a>
36	30.4	28.3		11	13.2	<a href="#">134TA2611</a>
36	30.5		15	12	3	<a href="#">107TA5836</a>
36	30.5			12	15	<a href="#">134TA2384</a>
36	31			12	15	<a href="#">134TA2385</a>
36	31.8		12.5	12	0.5	<a href="#">107TA5837</a>
36	32	29.7		11	12.5	<a href="#">134TA2612</a>
36	32			10	12.5	<a href="#">134TA2386</a>
36	32.8	30.5		11	13.2	<a href="#">134TA2613</a>
36	33.5		14	12	2	<a href="#">107TA5838</a>
36	33.5			12	14	<a href="#">134TA2387</a>
42	33.9	31.5		12	14.2	<a href="#">134TA2614</a>
42	34.5	32.5		11	13.2	<a href="#">134TA2615</a>
42	34.8		18	15	3	<a href="#">107TA5839</a>
42	34.8			15	18	<a href="#">134TA2388</a>
42	35.3	32.4		12	14.2	<a href="#">134TA2616</a>
42	35.5		18	15	3	<a href="#">107TA5840</a>
42	35.5		18	15	3	<a href="#">134TA2389</a>
42	36.5	34.7		12	14.2	<a href="#">134TA2617</a>
42	36.5		18	15	3	<a href="#">107TA5841</a>
42	36.5			15	18	<a href="#">134TA2390</a>
42	38.4		12.5	10	2.5	<a href="#">107TA5842</a>
42	38.4			10	12.5	<a href="#">134TA2391</a>
42	39		18	15	3	<a href="#">107TA5843</a>
42	39			15	18	<a href="#">134TA2392</a>
42	40		18	15	3	<a href="#">107TA5844</a>
42	40			15	18	<a href="#">134TA2393</a>
45	38	35.7		12	14.2	<a href="#">134TA2618</a>
45	38.9	36.7		12	14.2	<a href="#">134TA2619</a>
45	39.4	37.5		12	14.2	<a href="#">134TA2620</a>
45	40.2	38.5		12	14.2	<a href="#">134TA2621</a>
45	40.7		18	15	3	<a href="#">107TA5845</a>
45	40.7			15	18	<a href="#">134TA2394</a>
48	42.3		18	15	3	<a href="#">107TA5846</a>
48	42.3			15	18	<a href="#">134TA2395</a>
50	41.8	39.5		12	13.7	<a href="#">134TA2622</a>
50	43.7	41.5		12	14.2	<a href="#">134TA2623</a>
50	44.8	42		12	14.2	<a href="#">134TA2624</a>
55	46		21	18	3	<a href="#">107TA5847</a>
55	48.3	46.3		12	14.2	<a href="#">134TA2626</a>
55	48.5		15	12	3	<a href="#">107TA5848</a>

# PROTECTIVE COVERS

## TYPE D

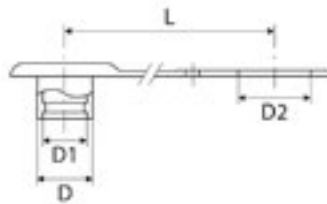
D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
55	48.5			12	15	<a href="#">134TA2396</a>
55	51.5		21	18	3	<a href="#">107TA5849</a>
55	51.5			18	21	<a href="#">134TA2397</a>
56	46.8	44.5		12	13.7	<a href="#">134TA2625</a>
56	48.7	46.7		12	14.2	<a href="#">134TA2627</a>
56	50.5	47.5		20	22.2	<a href="#">134TA2628</a>
62	54	51.5		13	14.2	<a href="#">134TA2629</a>
63	55		21	18	3	<a href="#">107TA5850</a>
63	55			18	21	<a href="#">134TA2398</a>
63	55.8		21	18	3	<a href="#">107TA5851</a>
63	55.8			18	21	<a href="#">134TA2399</a>
63	58		21	18	3	<a href="#">107TA5852</a>
63	58			18	21	<a href="#">134TA2400</a>
63	59			18	21.3	<a href="#">134TA2402</a>
65	60.8	58		18	18	<a href="#">134TA2630</a>
71	66		21.5	18	3.5	<a href="#">107TA5853</a>
71	66			18	21.5	<a href="#">134TA2401</a>
72	62.5	59.2		14	16	<a href="#">134TA2631</a>
78	71		22	18	4	<a href="#">107TA5854</a>
78	71			18	22	<a href="#">134TA2403</a>
85	79.5	76.5		18	18	<a href="#">134TA2632</a>
86	75.8			19	22	<a href="#">134TA2404</a>
88	75.6	72.9		14	16.5	<a href="#">134TA2633</a>
92	88.5	85		20	20	<a href="#">134TA2634</a>
95	86			18	19.3	<a href="#">134TA2405</a>
124	102.5			18	21.5	<a href="#">134TA2406</a>
152	123.5			18	21.5	<a href="#">134TA2407</a>
165	152			17.5	20	<a href="#">134TA2408</a>
200	182			19.5	22	<a href="#">134TA2409</a>

## TYPE E1



Thread	Pitch	D mm	D1 mm	D2 mm	L mm	REF
1/4		12	11	22	125	<a href="#">107TA5796</a>
3/8		18	16	22	125	<a href="#">107TA5797</a>
1/2		24	20	29	135	<a href="#">107TA4296</a>
1/2		24	20	27	135	<a href="#">107TA5798</a>
M36	2	36	29	30	135	<a href="#">152TA1949</a>

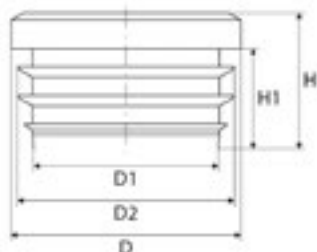
## TYPE E2



Thread	D mm	D1 mm	D2 mm	L mm	REF
1/4	12.5	11.5	22	125	<a href="#">107TA5799</a>
3/8	18.5	16	22	125	<a href="#">107TA5800</a>
1/2	24	23	27	135	<a href="#">107TA4294</a>
1/2	24	23	29	135	<a href="#">107TA5801</a>

# PROTECTIVE COVERS

## TYPE F



D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
10	5	8.5	15	11		<a href="#">134TA2494</a>
12	7	10.5	15	11		<a href="#">152TA1934</a>
13	8	11.5	15	11		<a href="#">134TA2496</a>
14	9	12.5	15	11		<a href="#">152TA1935</a>
15	10	13.5	15	11		<a href="#">134TA2498</a>
16	11	14.5	15	11		<a href="#">134TA2499</a>
16	12.3			3	2	<a href="#">134TA2467</a>
18	13	16.5	15	11		<a href="#">134TA2500</a>
18	15.4			4	1	<a href="#">134TA2468</a>
20	15	18.5	15	11		<a href="#">152TA1936</a>
20	17.6			4	2	<a href="#">134TA2469</a>
22	16	20.5		14	19	<a href="#">134TA2502</a>
25	19	23.5	19	14		<a href="#">134TA2503</a>
25	21.1			2.5	1.5	<a href="#">134TA2471</a>
27	21	25.5	19	14		<a href="#">134TA2504</a>
28	22	26.5	19	14		<a href="#">152TA1937</a>
28	26			4	2.2	<a href="#">134TA2472</a>
30	24	28.5	19	14		<a href="#">152TA1938</a>
32	26	30.5	19	14		<a href="#">134TA2507</a>
34	28	32.5	19	14		<a href="#">134TA2508</a>
35	20.5			5	2.5	<a href="#">134TA2470</a>
35	29	33.5	19	14		<a href="#">152TA1939</a>
36	30	34.5	19	14		<a href="#">134TA2510</a>
36	33.5			4	2	<a href="#">134TA2476</a>
38	26			5.3	2.1	<a href="#">134TA2473</a>
38	27			4.3	2	<a href="#">134TA2475</a>
38	27			7.5	2	<a href="#">134TA2474</a>
38	32	36.5	19	14		<a href="#">152TA1940</a>
40	34	38.5	19	14		<a href="#">134TA2512</a>
42	36	40.5	19	14		<a href="#">152TA1941</a>
45	39	43.5	19	14		<a href="#">134TA2514</a>
48	42	46.5	22	17		<a href="#">134TA2515</a>
50	40			4	2	<a href="#">134TA2478</a>
50	40.4			2.4	1.8	<a href="#">134TA2479</a>
50	43	48.5	22	17		<a href="#">134TA2516</a>
53	36.5			5	2	<a href="#">134TA2477</a>
55	48	53.5	22	17		<a href="#">134TA2517</a>
55	50.6			4	2	<a href="#">134TA2480</a>
60	51	56.5	22	17		<a href="#">134TA2519</a>
60	53	58.5	22	17		<a href="#">134TA2518</a>
62	53.8			4	2	<a href="#">134TA2481</a>
66	61.5			7.8	2	<a href="#">134TA2482</a>

**TYPE F**

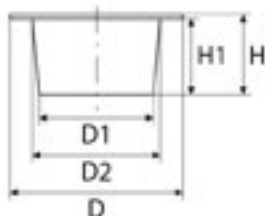
D mm	D1 mm	D2 mm	H mm	H1 mm	H2 mm	REF
68	62			4	1.8	<a href="#">134TA2483</a>
70	59	64.5	22	17		<a href="#">134TA2521</a>
70	61	66.5	22	17		<a href="#">134TA2520</a>
76	65	70.5	22	17		<a href="#">134TA2523</a>
76	67	72.5	22	17		<a href="#">134TA2522</a>
76	71.5			5	2.5	<a href="#">134TA2485</a>
83	75			8	2	<a href="#">134TA2487</a>
85	64.6			4.1	2	<a href="#">134TA2484</a>
90	72.8			7.5	2	<a href="#">134TA2486</a>
90	79	84.5	22	17		<a href="#">134TA2525</a>
90	81	86.5	22	17		<a href="#">134TA2524</a>
90	82			8	2	<a href="#">134TA2488</a>
102	91	96.5	22	17		<a href="#">134TA2527</a>
102	93	98.5	22	17		<a href="#">134TA2526</a>
103	93			7.7	2	<a href="#">134TA2489</a>
109	101			5	2	<a href="#">134TA2490</a>

# PROTECTIVE COVERS

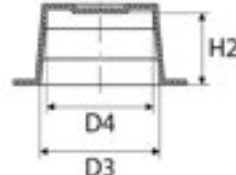
## TYPE G



Inside use

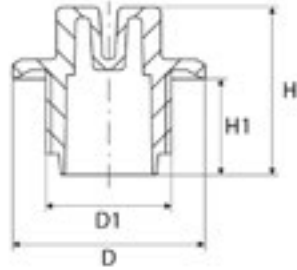


Outside use



D mm	D1 mm	D2 mm	D3 mm	D4 mm	H1 mm	H2 mm	REF
22	4.4	6.3	4.6	2.7	11	11.2	<a href="#">134TA2745</a>
23	6	7.9	6.1	4.3	11	11.2	<a href="#">134TA2746</a>
25	7.6	9.5	7.8	5.9	11	11	<a href="#">152TA1956</a>
26	8.4	10.3	8.6	6.8	11	10	<a href="#">134TA2748</a>
27	9.9	11.7	10	8.3	11	10	<a href="#">134TA2750</a>
28	10.6	12.4	10.6	8.8	11	10	<a href="#">134TA2751</a>
29	11.3	13.2	11.6	9.8	11	10	<a href="#">134TA2752</a>
30	12	14.2	12.5	10.4	13	12	<a href="#">134TA2753</a>
30	12.5	14.6	13.1	11.2	13	12	<a href="#">134TA2754</a>
31	13.8	15.9	14.1	12	13	12	<a href="#">134TA2755</a>
31	14	16.4	14.5	12.2	13	12	<a href="#">134TA2756</a>
33	15	17.2	15.5	13.4	14	13	<a href="#">134TA2757</a>
34	16.5	18.8	17.1	14.8	14	13	<a href="#">134TA2758</a>
34	17.4	19.6	17.8	15.6	14	13	<a href="#">134TA2759</a>
36	17.7	20.3	18.6	16	16	15	<a href="#">134TA2760</a>
37	18.6	21.2	19.5	16.9	16	15	<a href="#">134TA2761</a>
37	19.3	21.9	20.1	17.6	16	15	<a href="#">134TA2762</a>
39	20.8	23.5	21.8	18.9	17	16	<a href="#">134TA2763</a>
40	21.2	24	22.1	19.3	17	16	<a href="#">134TA2764</a>
41	22.3	25.2	23.4	20.4	17	16	<a href="#">134TA2765</a>
42	23.7	27	24.1	20.9	19	18	<a href="#">134TA2766</a>
44	25	28.3	26.4	23	20	19	<a href="#">134TA2767</a>
45	26.4	29.5	27.7	24.7	20	19	<a href="#">134TA2768</a>
47	28.3	31.4	29.7	26.4	20	19	<a href="#">134TA2769</a>
49	29.8	32.9	31.2	28.1	20	19	<a href="#">134TA2770</a>
50	32	35.5	33.6	29.8	22	21	<a href="#">134TA2771</a>
52	33.8	37.8	36	31.9	23	22	<a href="#">134TA2772</a>
54	36.4	40.2	38.4	34.5	22	21	<a href="#">134TA2773</a>
60	39.2	43.1	41.3	37.2	23	22	<a href="#">134TA2774</a>
64	44.4	44.4	46.1	42.6	20	18	<a href="#">134TA2776</a>
66	50.5	50.5	51.1	48.8	14	13.7	<a href="#">134TA2777</a>
70	41.3	44.8	43	39.5	20	19	<a href="#">134TA2775</a>
74.3	52.7	52.7	54.6	51	25	24.7	<a href="#">134TA2778</a>
85	62.5	62.5	66	60.4	20.5	20.5	<a href="#">134TA2779</a>

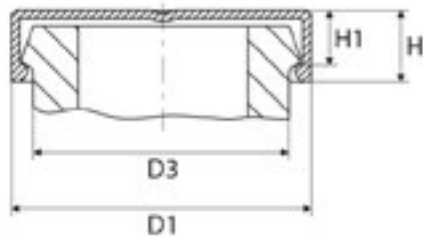
## TYPE H



Thread	Metric/inch	Imperial pitch	Pitch	D mm	D1 mm	H mm	H1 mm	REF
M8	M	1		12.2	8	15	8	<a href="#">134TA2797</a>
M10	M	1		14.2	10	15	8	<a href="#">134TA2798</a>
M12	M	1.5		17.2	12	18	11	<a href="#">134TA2799</a>
M14	M	1.5		19.2	14	19	11	<a href="#">134TA2800</a>
M16	M	1.5		22	16	21	11	<a href="#">134TA2801</a>
M18	M	1.5		24	18	21	11	<a href="#">134TA2802</a>
M20	M	1.5		26	20	21	11	<a href="#">134TA2803</a>
M22	M	1.5		27.2	22	21	11	<a href="#">134TA2804</a>
M26	M	1.5		32	26	23.5	13.5	<a href="#">134TA2805</a>
M27	M	2		32.3	27	21	11	<a href="#">152TA1960</a>
M33	M	2		40.4	33	23.5	13.5	<a href="#">134TA2807</a>
M42	M	2		50	42	23.5	13.5	<a href="#">134TA2808</a>
M48	M	2		55.4	48	23.5	13.5	<a href="#">134TA2809</a>
M60	M	2		68.5	60	23.5	13.5	<a href="#">134TA2810</a>
9/16 UNF	I		18	17.8	14.29	18	11	<a href="#">134TA2818</a>
G1/4	I		19	19.2	13.16	15.5	7.5	<a href="#">134TA2811</a>
G3/8	I		19	22.2	16.66	17.5	7.5	<a href="#">134TA2812</a>
G1/2	I		14	27.2	20.96	19.5	9.5	<a href="#">134TA2813</a>
G3/4	I		14	32.2	26.44	19.5	9.5	<a href="#">134TA2814</a>
G1	I		11	40.4	33.25	21.5	11.5	<a href="#">134TA2815</a>
G1 1/4	I		11	50.4	47.91	22.5	11.5	<a href="#">134TA2816</a>
G1 1/2	I		11	55.4	47.81	22.5	11.5	<a href="#">134TA2817</a>

# PROTECTIVE COVERS

## TYPE I



D1 mm	D3 mm	H1 mm	REF
30.2	29.4	6.9	<a href="#">134TA2780</a>
31.7	30.9	7.9	<a href="#">134TA2781</a>
38.1	37.3	6.9	<a href="#">134TA2782</a>
41.3	40.5	8.9	<a href="#">134TA2783</a>
44.4	43.6	8.1	<a href="#">134TA2784</a>
47.6	46.8	9.7	<a href="#">134TA2785</a>
50.5	49.5	8.1	<a href="#">134TA2786</a>
54	53.2	10.4	<a href="#">134TA2787</a>
60.3	59.5	8.1	<a href="#">134TA2788</a>
62.5	63.5	12.7	<a href="#">134TA2789</a>
71.4	70.6	9.7	<a href="#">134TA2790</a>
79.4	78.6	12.7	<a href="#">134TA2791</a>
90.3	88.3	9	<a href="#">134TA2792</a>
106	104	10	<a href="#">134TA2793</a>
125	123	11	<a href="#">134TA2794</a>
150	148	12	<a href="#">134TA2795</a>
213	211	16	<a href="#">134TA2796</a>

## SERVICE PLUG FOR HYDRAULIC HOSES



Type	REF
Mix set of plugs for Ø 1-42 mm	<a href="#">167TA7440</a>
Set of 10 plugs for Ø 1-10 mm	<a href="#">167TA9181</a>
Set of 4 plugs for Ø 13-43 mm	<a href="#">139TA3152</a>
Set of 10 plugs for Ø 12-23 mm	<a href="#">139TA3165</a>







*28.*

**WORKSHOP &  
WAREHOUSE  
SUPPLIES AND PPE**

## ADJUSTABLE WRENCHES



Chrome-plated, adjustable nut spanners with scales

- Movable jaw opening with right-hand rotation of pin
- Head angled at 22.5 degrees, with mm and inch scale

- Maximum width: 28 mm
- Length: 200 mm (8 inch)
- Weight: 325 g
- Complies with DIN 3117 and ISO 6787

REF [138TA6971](#)

- Maximum width: 35 mm
- Length: 300 mm (12 inch)
- Weight: 790 g
- Complies with DIN 3117 and ISO 6787

REF [125TA6450](#)



Beta Utensili S.p.A. Authorized Dealer

## FLARE NUT WRENCHES - 6 PIECES



Set of 6 flare nut open ring wrenches

**Contents:**

- 6 wrenches: 8x10 - 10x11 - 11x13 - 12x14 - 17x19 - 19x22 mm
- Weight: 690 g

REF [127TA4488](#)



Beta Utensili S.p.A. Authorized Dealer

## 1/2" HEXAGON COMBINATION SET - 17 PIECES



12 sockets and 5 accessories

**Contents:**

- 12 hexagon sockets: 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm
- 1 x 72-teeth ratchet
- 1 sliding T-handle
- 2 extensions: 125 - 255 mm
- 1 universal joint

- Dimensions (L x W x H): 420 x 185 x 60 mm
- Weight: 4.2 kg

REF [127TA7352](#)



Beta Utensili S.p.A. Authorized Dealer

## 1/2" BI-HEX SOCKET SET - 12 PIECES



Beta Utensili S.p.A. Authorized Dealer



10 bi-hex sockets and 2 accessories

**Contents:**

- 10 sockets: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16"
- 1 extension: 255 mm
- 1 x 72-teeth ratchet

- Dimensions (L x W x H): 335 x 145 x 60 mm
- Weight: 2.6 kg

REF [127TA7346](#)

## 1/2" BIT SOCKET SET



Beta Utensili S.p.A. Authorized Dealer



10 socket drivers for hexagon screws

**Contents:**

- 10 socket drivers: 4 - 5 - 6 - 7 - 8 - 10 - 12 - 14 - 17 - 19 mm

- Dimensions (L x W x H): 270 x 120 x 45 mm
- Weight: 1.5 kg

REF [125TA6467](#)

## CLICK-TYPE TORQUE WRENCH WITH PUSH-THROUGH RATCHET - 1/2"



Beta Utensili S.p.A. Authorized Dealer

Torque wrench for right-hand and left-hand tightening with a torque accuracy of  $\pm 3\%$

- Scale increased by 60% for improved visibility and setting accuracy
- Torque adjusting speed increased by 40%
- Handle and lens materials resistant to all chemical substances used in automotive sector, industry and aviation
- Red colour of o-ring indicates that wrench is unlocked and torque can be adjusted
- When not in use, set torque to lowest value of torque wrench range
- Recalibration reminder shows time to recalibrate wrench (4 steps: 3, 6, 9 and 12 months)



- Type of connection: square
- Size: 1/2"
- Range: 40 – 200 Nm, 30 – 150 lbf.ft
- Torsion accuracy:  $\pm 3\%$
- For right- and left-hand tightening
- Length: 465 mm
- Weight: 1010 g
- Complies with: UNI EN ISO 6789

REF [163TA7900](#)

## ALLEN KEY SET - 9 PIECES



set of 9 ball head offset long hexagon key wrenches with support

**Contents:**

- 9 long hexagon ball head keys: 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
- Weight: 330 g
- Metric

REF [142TA2391](#)

**Contents:**

- 9 long hexagon ball head keys: 1/16 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16 - 3/8"
- Imperial

REF [167TA7892](#)

## SET OF SCREWDRIVERS - 6 PIECES



Screwdrivers with a soft grip handle

**Contents:**

- 4 slotted screwdrivers: 3 x 75 - 4 x 100 - 5.5 x 125 - 6.5 x 150 mm
- 3 cross head Phillips® screwdrivers: PH1 x 80 - PH2 x 100 mm

REF [167TA7893](#)

## PRECISION CIRCLIP PLIERS SET - 4 PIECES



Set of 4 common precision circlip pliers for the highest requirements

This set contains four precision circlip pliers, also called retaining ring pliers. These are designed to install or remove circlips. In addition to this feature, these pliers can be used to cut, bend, twist... various materials. A multifunctional tool that is crucial in any workspace. The sturdy plastic packaging provides extra protection.

- Attractive sales packaging with Euro standard perforation
- Sturdy plastic packaging, also suitable for storage of the pliers
- ø of the pliers: 19 - 60 mm

REF [166TA7636](#)

## THREAD GAUGE



Screw pitch gauge for ISO 60° metric and whitworth 55° threads

REF [142TA3012](#)

## ANALOGUE VERNIER CALIPER - READING TO 0.05 MM



Sliding gauge made from hardened stainless steel in leather sheath

- With spring locking
- Point-shaped beak

- Metric graduation: 0.05 mm
- Maximum metric measuring length: 150 mm (6")
- Length of the jaw: 40 mm (1.57")
- Width of the ruler: 16 mm
- Thickness of the ruler: 3 mm
- Weight: 170 g
- Length: 235 mm
- Complies with: UNI EN ISO 13385-1/DIN 862

REF [142TA3008](#)

## DIGITAL VERNIER CALIPER - READING TO 0.01 MM



Standard stainless steel caliper with digital display

- With locking screw
- Point-shaped beak

- Metric graduation: 0.01 mm
- Imperial graduation: 0.0005
- Maximum measuring length: 150 mm (6")
- Length of the jaw: 40 mm (1.57")
- Length of the upper side jaw: 21 mm
- Weight: 160 g

REF [167TA7894](#)

## CIRCUMETER



Stainless steel measuring tape to measure outside diameter and circumference

- Diameter of the circumeter: 20 - 300 mm
- Outline of the circumeter: 60 - 950 mm

REF [141TA1322](#)

## MAGNETIC FIELD DETECTOR



Used for testing operating solenoid valves in pneumatic and hydraulic control equipment, testing relays with coils and electrically controlled solenoid valves in all types of vehicles and machines and testing solenoid valves when servicing oil burners

- Easy to use
- Batteries included

REF [142TA1961](#)

## MAGNETIC TRAY



Round magnetic tool holder  
• Diameter: 150 mm

REF [127TA3477](#)

## HOSE CLAMP SET - 3 PIECES



Set of 3 plastic hose pliers

**Contents:**  
• Diameter: 8 - 15 mm  
• Diameter: 15 - 25 mm  
• Diameter: 25 - 45 mm  
• Weight: 240 g

REF [127TA8942](#)

## HOOK & PICK SET - 4 PIECES



Used to remove o-rings  
RVS hook and solid plastic soft grip handle

**Set contains 4 mini tools:**

- Awl
- Round hook
- Hook 45°
- Hook 90°

- Length of the tools: 150 mm

REF [166TA2284](#)

## FLEXIBLE REUSABLE FUNNEL



For draining and pouring of liquids in applications where rigid funnels are too big  
Bends, moulds and holds any shape

- Dimensions: 370 x 165 mm

REF [164TA8074](#)

## DRUM WRENCH



Key to open barrels

Universal barrel opening wrench with 3 uses

- Female hexagon (Ø 38 mm)
- 4-sector profile (Ø 42 mm)
- Blade (17 x 7 mm)

- Length: 265 mm
- Diameter: 27 mm

REF [166TA3197](#)

## FUNNEL WITH LID - Ø 250 MM - 3.2 L



Funnel for waste oil or chemical disposal

- Lockable cover
- High flow rate
- Used for fluid and powder
- To suit standard 60 l or 200 l barrels (G2" connection)

- Material of the funnel and cap: high density polyethylene
- Material of the connection: zinc die casting
- Capacity: 3.2 l
- Total diameter: 250 mm
- Height: 210 mm
- Base (L x B): 325 x 260 mm
- Weight: 580 g
- Colour: red - black cover

REF [107TA7277](#)

## BARREL POLY RECEPTACLE - 230 L



Waste oil collector for 2 barrels of 200 l

- Delivered with grid
- Barrels not included

- Material: plastic
- Capacity: 230 l
- Carrying capacity: 650 kg
- Dimensions (L x W x H): 1220 x 820 x 330 mm
- Weight: 23 kg

REF [107TA7242](#)



Plunger can - 1 l

For moistening cleaning cloths in the workplace without spilling

- Coated steel
- Contents: 1 l
- Ø 185 mm
- Height: 143 mm

REF [165TA3795](#)

## PNEUMATIC PRESS WITH PUMP - 30 T



Compact and functional design ready for work

- Design that integrates all the hydraulic elements within the chassis, providing a saving in the workshop space and ensuring protection in transport
- Different pump options: single or two speed manual, manual-pneumatic and electric pumps, depending on the working speed required
- Pressure gauge with damper for optimal lifespan and positioned at eye level for easy reading
- Workbench adjustable in height

- Maximum capacity: 30 ton
- Length: 790 mm
- Stroke: 150 mm
- Work range: 0 - 940 mm
- Weight: 151 kg

REF [167TA7895](#)

## EQUIVIS ZS



Hydraulic oil with excellent excellent anti-wear properties and a high viscosity index for all hydraulic systems operating under high pressure and at high temperatures

- Very high viscosity index
- Good shear stability
- Superior thermal stability avoiding the formation of sludge even at high temperature
- Very good oxidation stability ensuring a long service life of the fluid
- High protection against wear insuring maximum equipment life
- Excellent hydrolytic stability avoiding filter blocking
- Remarkable filterability even in the presence of water
- Excellent protection against rust and corrosion
- Good anti-foam and air release properties by using silicon free components
- Very low pour point
- Good demulsibility ensuring rapid water separation

### Performance levels:

- DIN 51524-3 HVLP
- ISO 6743-4 HV, ISO 11158 HV

Sizes	REF
Equivis ZS 15 - 5 l	<a href="#">107TA7212</a>
Equivis ZS 15 - 20 l	<a href="#">141TA3190</a>
Equivis ZS 15 - 208 l	<a href="#">141TA3192</a>
Equivis ZS 22 - 20 l	<a href="#">141TA5202</a>
Equivis ZS 22 - 208 l	<a href="#">167TA7896</a>

Sizes	REF
Equivis ZS 32 - 20 l	<a href="#">141TA2734</a>
Equivis ZS 32 - 60 l	<a href="#">167TA7897</a>
Equivis ZS 32 - 208 l	<a href="#">167TA7898</a>
Equivis ZS 46 - 20 l	<a href="#">144TA6564</a>
Equivis ZS 46 - 60 l	<a href="#">167TA7899</a>
Equivis ZS 46 - 208 l	<a href="#">144TA6565</a>

Sizes	REF
Equivis ZS 68 - 20 l	<a href="#">167TA7900</a>
Equivis ZS 68 - 60 l	<a href="#">167TA7901</a>
Equivis ZS 68 - 208 l	<a href="#">167TA7902</a>

## EQUIVIS XLT 15



Hydraulic oil for systems operating at extremely low temperatures as far down as -40 °C

- The low cold temperature viscosity is limiting the cavitation issues during the start up operations
- Low viscosity level ensures the hydraulic system to be fully operable immediately after the start-up
- Good shear stability ensuring the high temperature lubricating film thickness and the hydraulic pump efficiency during all the fluid life
- Ashless formulation offering a very high oxydation stability, reducing deposits and varnishes formation and allowing extended drain intervals
- Good wear, rust and corrosion protection of the material
- Excellent air release behaviour

**Performance levels:**

- DIN 51524-3 HVLP
- ISO 6743-4 HV, ISO 11158 HV

Sizes	REF
Equivis XLT 15 - 20 l	<a href="#">140TA8776</a>
Equivis XLT 15 - 208 l	<a href="#">167TA7903</a>

## NEVASTANE SH



Synthetic (PAO) oil, suitable for hydraulic systems, compressors and pneumatic tools, especially those operating at low temperatures in the food industry

- Recommended for use where incidental food contact is possible
- Prevents contamination issues as required by the HACCP system
- 100% synthetic formulation
- Wide temperature range
- Significant extensions of oil drain intervals

**Performance levels:**

- KOSHER approved
- NSF H1

Sizes	REF
Nevastane SH 32 - 20 l	<a href="#">165TA7513</a>
Nevastane SH 32 - 208 l	<a href="#">167TA7904</a>
Nevastane SH 46 - 20 l	<a href="#">144TA7199</a>
Nevastane SH 46 - 208 l	<a href="#">167TA7905</a>
Nevastane SH 68 - 20 l	<a href="#">144TA7200</a>
Nevastane SH 68 - 208 l	<a href="#">167TA7906</a>

## TRANSMISSION OIL



High-performance synthetic oil developed for synchronized or non-synchronized manual gearboxes, axles and reduction gears requiring API GL-4, GL-5, MT-1 or MIL-PRF-2105E and MIL-L 2105 D

The complete range of specialised lubricants by Total® is custom-made for the automotive and industry sectors

Total collaborates with the largest manufacturers to develop a range of products, including 'Fuel Economy' products and lubricants with low sulphate, phosphorus and sulphated ash (low SAPS) that reduce consumption and limit CO2 emissions

- Very high viscosity index
- Good shear stability

### Performance levels:

- API GL-4, API GL-5, API MT-1
- SAE J2360
- MIL-L 2105 D;Approved, MIL-PRF 2105 E;Approved

Sizes	REF
MPWB - 20 l	<a href="#">140TA8960</a>
MPWB - 60 l	<a href="#">143TA7414</a>
MPWB - 208 l	<a href="#">143TA7413</a>

## BRAKE CLEANER - 500 ML



Efficient brake cleaner with high dissolving properties

- Non-conductive and non-corrosive
- Powerful spray jet for: drum and disc brakes, brake linings, calipers and shoes
- Leaves no residue
- High price/quality ratio

- Contents: 500 ml

REF [166TA2288](#)

## SOLU CLEANER - 5 L



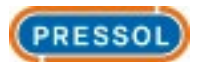
Cold parts degreaser suitable for cleaning industrial greases and dirt

- The emulsifiers in the product ensure that heavily soiled engine blocks, machines and parts are cleaned
- Absorbs four to five times its own volume of oil, grease and dirt
- Can be used in a degreaser container
- Apply manually and rinse with clean water after use
- Does not contain corrosive acid

- Contents: 5 l

REF [167TA7907](#)

## INDUSTRIAL SPRAYER - 750 ML



Hand sprayer with brass nozzle

- Suitable for various chemicals, e.g. detergents, solvents, cleaning agents and disinfectants
- Not suitable for acetone, glycol, ammonia, brake cleaners and acids like formic acid and acetic acid
- Spray head with adjustable and manual brass spray nozzle with shut-off
- Stable conical bottle design

- Contents: 0.75 l
- Colour: orange
- Material: high density polyethylene
- Spray volume per stroke: 0.75 ml
- Dimensions (Ø x H): 100 x 290 mm
- Weight: 110 g

REF [138TA8327](#)

## LOCTITE SF 7063 - 150 ML



General purpose parts cleaner

- For use prior to bonding and sealing applications with Loctite products
- Removes most greases, oils, lubrication fluids and metal cuttings
- Leaves no residue
- Solvent based

- Contents: 150 ml

REF [145TA9268](#)

## LOCTITE SF 7649 - 150 ML

**LOCTITE®**



- Solvent-based activator for metals
- Increases cure speed on passive and inactive surfaces
  - For large bond gaps
  - For low-temperature curing (< 15 °C)

• Contents: 150 ml

REF [166TA7641](#)

## LOCTITE 577 - 50 ML

**LOCTITE®**



- Medium-strength thread sealant
- General purpose liquid thread sealant for metals
  - Suitable for fast application at low temperatures
  - Slow-curing
  - Instant low-pressure seal for metal pipes and fittings
  - Excellent chemical and thermal resistance
  - Locks connection against vibration-induced loosening

• Contents: 50 ml  
• Max thread size: M80/R3  
• Operating temperature: -55° up to 180 °C  
• DWG approval (EN751-1) NG-5146AR0621

REF [165TA1273](#)

## LOCTITE 542 - 50 ML

**LOCTITE®**



- Medium-strength thread sealant
- Ideal for fine threads as used in hydraulic, pneumatic and general fittings
  - Suitable for metal threads only
  - Fast-curing
  - Instant low-pressure seal
  - Resistant to fuel, oil, coolants and hydraulic fluids
  - Locks connection against vibration-induced loosening

• Contents: 50 ml  
• Max thread size: M26/R3/4  
• Operating temperature: -55° up to 150 °C  
• DVGW approval (EN 751-1): NG-5146AR0855

REF [127TA3878](#)

## LOCTITE 243

**LOCTITE**



Medium-strength threadlocking adhesive

- General purpose
- Suitable for all metal threaded assemblies
- Prevents loosening due to vibration
- Permits disassembly with hand tools

- Max thread size: M36
- Operating temperature: -55° up to +180 °C

- NSF: P1 - Reg n° 123000

Loctite 243 - 10 ml      REF [165TA1270](#)

Loctite 243 - 50 ml      REF [107TA8523](#)

## LOCTITE SI 5075

**LOCTITE**



Insulation and sealing tape used for carrying out emergency repairs

- Self-fusing silicone rubber wrap for temporary repairs on flexible hoses and pipes
- Resistant to UV light, salt water, fuels and acids
- Non-sticky multi-purpose wrap for tape-based repair situations
- Offers dielectric strength up to 15 kV/mm

- Width: 250 mm
- Length: 4.27 m
- Temperature resistance: -54° up to +260 °C

Loctite SI 5075 - red      REF [165TA8501](#)

Loctite SI 5075 - black      REF [165TA8502](#)

## RAGS - 10 KG



Bag of fabric cloths

- Free of buttons, zippers and hard components
- Different qualities, for all activities

- Weight: 10 kg

REF [165TA3794](#)

## ABSORBING TOWELS - 100 PIECES



Absorbing towels to cleans spills

- Absorbs about everything (oil, liquids, acids ...)
- 100 pieces
- Dimensions (L x W): 410 x 510 mm

REF [107TA7236](#)

## ABSORBING BARREL MATS - 25 PIECES



Round mats to put on top of a 220 l barrel

- 1 mat absorbes 1 l oil
- 25 pieces
- Weight: 84 g

REF [107TA7235](#)

## ABSORBING GRANULES - 20 KG



Multipurpose absorbing agent

Soaks up spills on any solid surface

- Contents: 20 kg
- Absorption capacity oil: 67%
- Absorption capacity water: 91%
- Grain size: 1 - 3 mm

REF [107TA7234](#)

## SPILL KIT FOR OIL - 20 L



Absorbing kit, ensures a quick response in case of spillage of oils and other hazardous fluids  
In a handy bag

**Contains:**

- 30 absorbing pads to absorb large amounts of fluids - 30 x 30 cm - yellow cloths absorb all fluids
- 1 absorbing sock to curb the spill - 8 cm x 1.2 m
- 5 cleaning rags to absorb small amounts of fluid
- 1 pair of gloves
- 2 recycling bags - 30 l

- Capacity: 20 l

REF [165TA1315](#)

## HAND CLEANING TISSUES - 100 PIECES



Suitable for removing paint, tar, rust, glue, grease, oil, lubricants etc.

- Wipes in non-woven fabric
- Fast and easy cleaning without water and soap
- With citrus solvent
- Antibacterial additive
- Tested according to EN 1276 and EN 12504
- Cleaning power: ++++

- Dimensions wipes: 27 x 27 cm

REF [147TA3378](#)

## WALL BRACKET FOR HAND CLEANING TISSUES



Stainless steel wall bracket  
Can be used for REF [147TA3378](#)

REF [147TA3380](#)

## CLEANING TISSUE - 2 ROLLS



Recycled, 2 layered cleaning tissue

- Length: 600 m
- Width: 240 mm
- Colour: white

REF [106TA6744](#)

- Length: 180 m
- Width: 300 mm
- Colour: blue

REF [143TA7397](#)

## O-RING GAUGE



From diameter 2 to 20 mm

From diameter 20 to 100 mm

From diameter 100 to 160 mm

REF [115TA6899](#)

REF [115TA6900](#)

REF [115TA6901](#)

## SEAL CLASPER



Tool for claspng PTFE piston seals back into the groove

REF [141TA1324](#)

## SEAL ASSEMBLY KIT



Easy fitting and detaching of seals without any damage

REF [141TA1325](#)

## PIPE BENDING TOOL



Designed to bend hydraulic pipes for diameter 6-18 mm  
• With 6 bending rollers for tubes with outside diameter from 6 to 18 mm

REF [168TA1887](#)

## PIPE BENDING TOOL



Sizes	Radius
ø 12 mm	6 mm
ø 16 mm	8 mm
ø 20 mm	10 mm
ø 24 mm	12 mm
ø 30 mm	15 mm

Designed to bend hydraulic pipes to 180° for diameter 6 mm up to 15 mm  
• Extra small bend radius  $R=2D$   
• Can be used in a bench-vice  
• Possible to bend to the right and to the left  
• Easily replaceable bend mould, clamp block and bend arm  
• Unique system ensuring qualitative bending with minimal efforts  
• Available as a set or per diameter  
• Other bend radiuses and diameters on request  
• Optional: Stroke length of 500 mm with 1 stroke / Loose strokes

REF [124TA7495](#)

## CRIMPING TOOLS



### HAND CRIMPING MACHINE

**Description:**

- Compact crimper with handpump

**Contains:**

- Crimper
- Hand pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Table base
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 400 mm
- Width: 350 mm
- Height: 320 mm
- Weight: 43 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6477](#)



### CRIMPING MACHINE

**Description:**

- Compact crimper with pneumatic pump

**Contains:**

- Crimper
- Air pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Table base
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 400 mm
- Width: 350 mm
- Height: 320 mm
- Weight: 43 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [167TA8505](#)

## CRIMPING TOOLS



### PORTABLE CRIMPING MACHINE

**Description:**

- Portable crimping machine with handpump

**Contains:**

- Crimper
- Handpump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 220 mm
- Width: 250 mm
- Height: 310 mm
- Weight: 26 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6474](#)



### PORTABLE PNEUMATIC CRIMPING MACHINE

**Description:**

- Portable crimper with pneumatic pump

**Contains:**

- Crimper
- Pneumatic pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Grease

**Technical data:**

- Max. hose size: 1"
- Die type: 16
- Crimping force: 1200 kN
- Length: 220 mm
- Width: 250 mm
- Height: 310 mm
- Weight: 26 kg
- Setup by micrometer
- Optical signal when the press size is reached

REF [166TA6475](#)

## CRIMPING TOOLS



### PORTABLE CRIMPING MACHINE WITH HAND AND AIR PUMP

**Description:**

- Portable crimper with hand pump and air pump

**Contains:**

- Crimper
- Hand pump
- Air pump
- Die sets (mm): 16 - 19 - 23 - 27 - 31 - 37
- Drawer to store dies sets
- Bolts die sets
- Grease

**Technical data:**

- Min. hose size: 1/4" (DN6)
- Max. hose size: 1" (DN25)
- Setup by micrometer
- Optical signal when the press size is reached
- Easy to switch from hand pump to air pump
- Crimping force: 1200 kN
- Extra die sets on demand

REF [166TA6476](#)

**Spare parts for 16 series:**

- Die set 7 mm: REF [168TA2552](#)
- Die set 10 mm: REF [168TA2667](#)
- Die set 12 mm: REF [168TA2553](#)
- Die set 14 mm: REF [168TA2554](#)
- Die set 16 mm: REF [168TA2555](#)
- Die set 19 mm: REF [168TA2556](#)
- Die set 23 mm: REF [168TA2557](#)
- Die set 27 mm: REF [168TA2558](#)
- Die set 31 mm: REF [168TA2559](#)
- Die set 37 mm: REF [168TA2560](#)
- Hand pump: REF [168TA2561](#)
- Air pump: REF [168TA2562](#)
- Bolts: REF [168TA2563](#)
- Grease: REF [106TA6743](#)
- Seal kit: REF [168TA2565](#)
- Micrometer: REF [168TA2566](#)

### ELECTRIC CRIMPING MACHINE

**Description:**

- Crimper, workbench model
- Powered by a 3-phase motor at 380 V (220 VAC on request)

**Contains:**

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45
- Dies quick change tool
- Footpedal
- Grease

**Technical data:**

- Max. hose size: 1 1/4"
- Die type: 32
- Voltage: 380 V
- Crimping force: 1700 kN
- Motor: 3.6 kW
- Length: 610 mm
- Width: 600 mm
- Height: 600 mm
- Weight: 190 kg
- Oil capacity: 40 l - Comes without oil

**Option:**

- Hydraulic oil 20 l: REF [141TA3217](#)
- Dies quick change tool: REF [168TA1891](#)
- Rack for machine: REF [168TA2590](#)

REF [166TA6478](#)



## CRIMPING TOOLS



### ELECTRIC CRIMPING MACHINE

#### Description:

- For small to medium workshop productions
- Powered by a 3-phase motor at 380 V (220 VAC on request)

#### Contains:

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45
- Dies quick change tool
- Stand with dies holder
- Footpedal
- Grease

#### Technical data:

- Max. hose size: 1 1/4"
- Die type: 32
- Voltage: 380 V
- Crimping force: 1700 kN
- Motor: 3.6 kW
- Length: 680 mm
- Width: 600 mm
- Height: 1350 mm
- Weight: 226 kg
- Oil capacity: 40 l - Comes without oil

#### Option:

- Hydraulic oil 20 l: REF [141TA3217](#)

REF [139TA3146](#)



### ELECTRIC CRIMPING MACHINE

#### Description:

- For medium workshop productions
- Powered by a 3-phase motor at 380 V (220 VAC on request)

#### Contains:

- Crimper
- Die sets (mm): 14 - 16 - 19 - 22 - 26 - 30 - 34 - 39 - 45 - 51 - 63 - 69
- Dies quick change tool
- Stand with dies holder
- Footpedal
- Grease

#### Technical data:

- Max. hose size: 2"
- Die type: 32
- Voltage: 380 V
- Crimping force: 2200 kN
- Motor: 3.6 kW
- Length: 680 mm
- Width: 600 mm
- Height: 1400 mm
- Weight: 263 kg
- Oil capacity: 40 litre - Comes without oil

#### Option:

- Hydraulic oil 20 l: REF [141TA3217](#)

REF [138TA4552](#)

#### Spare parts for YL20 - YL20S - YL32 series:

- Die set 6 mm: REF [168TA2567](#)
- Die set 7 mm: REF [168TA2568](#)
- Die set 10 mm: REF [168TA2569](#)
- Die set 12 mm: REF [168TA2570](#)
- Die set 14 mm: REF [168TA2571](#)
- Die set 16 mm: REF [168TA2572](#)
- Die set 19 mm: REF [168TA2573](#)

- Die set 22 mm: REF [168TA2574](#)
- Die set 26 mm: REF [168TA2575](#)
- Die set 30 mm: REF [168TA2576](#)
- Die set 34 mm: REF [168TA2577](#)
- Die set 39 mm: REF [168TA2578](#)
- Die set 45 mm: REF [168TA2579](#)
- Die set 51 mm: REF [168TA2580](#)
- Die set 57 mm: REF [168TA2581](#)

#### Spare parts for YL32 series:

- Die set 63 mm: REF [168TA2582](#)
- Die set 69 mm: REF [168TA2583](#)
- Die set 74 mm: REF [168TA2584](#)
- Die set 78 mm: REF [168TA2585](#)

- Bolts: REF [168TA2586](#)
- Master die pin (set 8 with 8 pieces): REF [168TA2587](#)
- Grease: REF [106TA6743](#)
- Foot pedal: REF [168TA2588](#)
- Seal kit: REF [168TA2589](#)
- Hydraulic oil: REF [141TA3217](#) (machine needs 40l)

## CUTTING TOOL



### CUTTING MACHINE FOR HYDRAULIC HOSE

**Description:**

- Cutting machine for cutting hydraulic hoses upto 2"
- Powered by a 3-phase motor at 380 V

**Technical data:**

- Max. hose size: 2" - 4SH
- Blade dimensions: 350 x 2.5 x 32 mm
- Motor: 4 kW
- Voltage: 380 V
- Rotation speed: 2800 rpm for 50 Hz
- Length: 720 mm
- Width: 480 mm
- Height: 530 mm
- Weight: 55 kg
- Spare part: saw blade

REF [168TA1888](#)REF [166TA6479](#)

## SKIVING TOOLS



### HOSE SKIVING MACHINE

**Description:**

- Electric hose skiving machine

**Technical data:**

- Max. hose size: 2" - 4SP - 4SH
- External skiving: 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2"
- Motor: 0.4 kW
- Voltage: 380 V
- Rotation speed: 284 rpm
- Length: 500 mm
- Width: 660 mm
- Height: 650 mm
- Weight: 110 kg

**Option:**

- Internal skiving: 3/4", 1", 1 1/4", 1 1/2", 2" REF [168TA1892](#)

\* Request this option to your customer service

REF [166TA6481](#)

## SKIVING TOOLS



### HOSE SKIVING MACHINE

**Description:**

- Manual internal and external skiving machine with stand

**Technical data:**

- External skiving: 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2"
- Internal skiving: 3/4", 1", 1 1/4", 1 1/2", 2"
- Length: 450 mm
- Width : 245 mm
- Height : 260 mm
- Weight: 12 kg

REF [166TA6480](#)

## RACK



### RACK TO STOCK HOSES

**Technical data:**

- Height: 2110 mm
- Width: 1180 mm
- Weight: 98 kg
- Recommended load per tray: 70 kg
- Maximum load per tray: 100 kg
- Recommended total load: 600 kg

REF [166TA6482](#)

## VACUUM PUMPS



### PNEUMATIC 'ASPI-QUICK' VACUUM PUMP

#### Technical data:

- Supplied with Hydroclips case type M
- Suitable for 5 to 8 bar air inlet
- Vacuum pressure: -650 mbar (relative) -850 mbar (max.)
- Airflow: 28 lpm
- Vacuum pressure gauge: -1 to 0 bar
- Dimensions (l x w x h): 140 x 70 x 65 mm
- Supplied with Ø 80 mm magnetic cap
- Weight: 3.78 kg

REF [167TA9226](#)



### VACUUM PUMP FOR REPAIRING OR MAINTENANCE OF HYDRAULIC CIRCUIT

#### Description:

- Hydraulic intervention without the need to drain the oil in the reservoir
- No leaks while operating
- The oil is retained in the reservoir through drop of pressure
- Easy changeover of the magnet cap and the other plugs using clamp inserts
- Control of the Vacuum using a pressure gauge and a vent valve

#### Technical details:

- Voltage 12 VDC Power 75 W
- Max. relative vacuum: 770 mbar
- Air flow: 34 l/min
- Length of the supply cable with crocodile clips: 8 m
- Coil hose: 4 m
- Display of the vacuum value with a pressure gauge scaled from -1 to 0 bar
- Carrying case with cable compartment
- Dimension of the case: 508 x 203 x 230 mm
- Weight: 9 kg
- With magnet cap Ø 80 mm and cylindrical stubs

REF [167TA9227](#)

## VACUUM PUMPS



### CONE FOR VACUUM PUMP DIAMETER 10 TO 75 MM

#### Description:

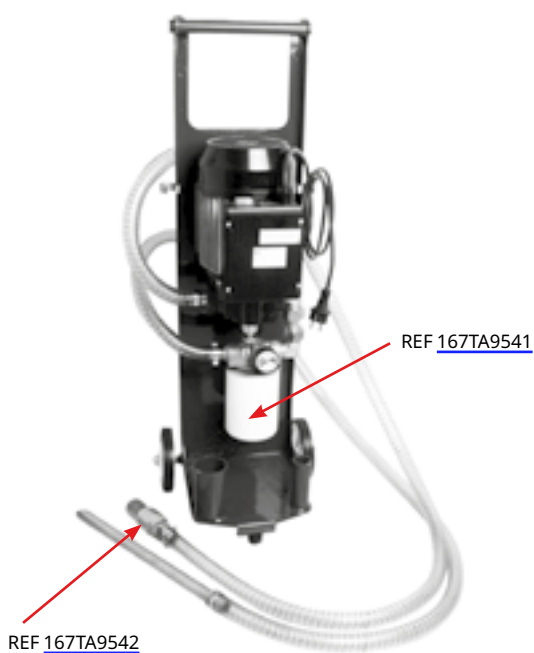
- Easily adapts to any type of tank opening from 10 to 75 mm diameter

#### Technical details:

- Total height 87 mm
- Elastomer material
- 2 x swivel elbow connectors: diameter 6 mm & 8 mm

REF [167TA9229](#)

## FILTER PUMPS



### FILTER PUMP

#### Technical details:

- Load of 30 liters per minute
- Maximum pressure: 3 bar
- Protection: IP55
- single phase engine (0.75 Kx till 1450 T/min)
- Dimensions: h=855 mm, l=320 mm, Ep=300 mm
- Weight: 25 kg

Delivered with filter cartouche (REF [167TA9541](#) / REF [167TA9542](#))

REF [167TA9540](#)

## NOTES

A series of horizontal dotted lines for taking notes.

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