



HIGH PRESSURE HYDRAULICS (Hose, Coupling, Pressure Gauges, Adaptors)









HIGH PRESSURE THERMOPLASTIC HOSES



As the specialist in the manufacturing of high pressure hoses, we are poised to achieve exceptional quality in terms of service life and reliability.

Other features include: Flexibility, durability, lightweight, small volumetric expansion

HOSE TYPE - COBRA



APPLICATIONS

Hydraulics: Bolt tensioning, pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

TECHNICAL INFORMATION

DesignInner core of polyoxymethylene (POM), 4 multi-layers of high-tensile steelwire, outer cover of polyamide (PA) ID x OD5.0 x 11.2 mm Working Pressure1,8110 bar Burst Pressure4,5110 bar Bend Radius150 mm Weight0.260 kg/m ColourDark blue Temperature-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

1/4" BSP male 100" external cone 1/4" BSP male for USIT ring 1/4" BSP female swivel (24"/60" sealing cone)

HOSE TYPE - MAMBA



APPLICATIONS

Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment hydraulic jacks, hydraulic tools)

TECHNICAL INFORMATION

DesignInner core of polyamide (PA), multilayers of high-tensile steelwire, outer cover of polyure thane (PUR) ID x OD5.9 x 12 mm Working Pressure1,200 bar Bend Radius80 mm Weight0.237 kg/m ColourRed

Temperature-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

1/4" NPT male
3/8" NPT male
1/4" NPT male 100" external cone
1/4" NPT male for USIT ring
1/4" NPT female swivel (24"/60" sealing cone)
1/4" NPT female fitting







HIGH PRESSURE THERMOPLASTIC HOSES

HOSE TYPE - ANACONDA



HOSE TYPE - VIPER



APPLICATIONS

Waterblast: Heat exchanger tube cleaning Hydraulics: Bolt tensioning

TECHNICAL INFORMATION

END CONNECTIONS

1/4".BSP mala 100" external cone

1/4" BSP female swivel (24"/60" sealing cone)

Type M female swivel 9/16".x 18 UNF

APPLICATIONS

Hydraulics: Torque wrenching

TECHNICAL INFORMATION

END CONNECTIONS

1/4" NPT male3/8" NPT male1/4" NPT female







HIGH PRESSURE QUICK CONNECT COUPLERS



Reliable Quick Connect Couplings are a necessity in High Pressure Hydraulics applications. SPIR STAR offers a range of Quick Connect Couplings up to 2,500 bar, which are complemented by our Ultra High Pressure Thermoplastic hoses and a complete range of adaptors and pressure gauges.

Applications include the connection of pumps to hydraulic jacks, rams, bolt tensioners, torque tools, as well as for pressure test equipment (valves, tooling and controll, etc.

C1000 SERIES

		CONNECTION	HEX SW	L	L1	D	PART NO.
Levelson and Le		G1/4"	24	59	12	27	C1000-1202-15K
TECHNICAL DATA Material: Hardened Zinc Plated Steel Max. Working Pressure: 1000 bar Min. Burst Pressure: 2600 bar Nominal Flow Diameter: 2.5mm Temperature Range: -30°C - +100°C Flow Capacity at Pressure Drop 4.5 bar: 5.9L/min	NIPPLE	G1/4"	22	38	12	24.5	C1000-6202-15K

C1500 SERIES

		CONNECTION	HEX SW	L	L1	D	PART NO.
The series of th	COUPLING	G1/4"	24	59	12	27	С1500-1202-20К
TECHNICAL DATA Material: Hardened Zinc Plated Steel Max. Working Pressure: 1500 bar Min. Burst Pressure: 3000 bar Nominal Flow Diameter: 2.5mm Temperature Range: -30°C - +100°C Flow Capacity at Pressure Drop 4.5 bar: 5.2L/min		G1/4"	22	38	12	24.5	С1500-6202-20К





08 9350 9023



HIGH PRESSURE QUICK CONNECT COUPLERS

C2000 SERIES

		CONNECTION	HEX SW	L	L1	D	PART NO.
HARDER REAL PROPERTY OF THE PR		G1/4"	24	59	12	27	С2000-1202-30К
TECHNICAL DATA Material: Hardened Zinc Plated Steel Max. Working Pressure: 2000 bar Min. Burst Pressure: 4000 bar Nominal Flow Diameter: 2.5mm Temperature Range: -30°C - +100°C Flow Capacity at Pressure Drop 4.5 bar: 5.7L/min	NIPPLE	G1/4"	22	38	12	24.5	C2000-6202-30K

C2500 SERIES

		CONNECTION	RECOMMENDED TORQUE (nm)	PART NO.
	COUPLING	G1/4"	50-60	C2500-1202-36K
TECHNICAL DATA Material: Hardened Zinc Plated Steel Max. Working Pressure: 2500 bar Min.Burst Pressure: 5000 bar Nominal Flow Diameter: 2.5mm Temperature Range: -30°C- +100°C Flow Capacity at Pressure Drop 4.5 bar: 5.7l/min	NIPPLE	G1/4"	50-60	С2500-6202-136К







HIGH PRESSURE QUICK CONNECT COUPLERS

CPW SERIES (1/4")

	CONNECTION	Unit	Α	HEX C	E	F	I	PART NO.
Coupler	1/4" NPT	mm	1/4	22	28	60.8	24.5	CPW-14-F-10K
TECHNICAL DATA Material: Zinc Plated Steel Max. Working Pressure: 700 bar Max. Flow Suggested: 12 lpm Temperature Range: -20°C- +100°C	1/4″ NPT	mm	22	19	32.5	28	15.8	CPW-14-M-10K

CPW SERIES (3/8")

		CONNECTION	Unit	А	HEX C	E	F	I	PART NO.
Coupler		1/4″ NPT	mm	3/8	25	35	72.2	26.5	CPW-38-F-10K
TECHNICAL DATA Material: Zinc Plated Steel Max. Working Pressure: 700 bar Max. Flow Suggested: 23 lpm Temperature Range: -20°C- +100°C	NIPPLE	3/8″ NPT	mm	3/8	32	40	35	19	CPW-38-M-10K







PRESSURE GAUGES



SPIR STAR is able to offer a complete range of pressure gauges for both bottom and panel mounted configurations. All gauges are glycerin filled, with an accuracy of +/-1.5% of full scale.

SPIR STAR Pressure Gauges are available in 2.5",4 and 6" dial faces, up to 6,000 bar.

Ø 63mm



BOTTOM CONNECTION Range of WP available: Up to 1000 bar Connections available: 1/4" BSP, 1/4" NPT, 9/16"-18 UNF Units: Bar/psi



PANEL MOUNTED

Range of WP available: Up to 1000 bar Connections available: 1/4" BSP, 1/4" NPT, 9/16"-18 UNF Units: Bar/psi

Ø 100mm



BOTTOM CONNECTION Range of WP available: Up to 4000 bar Connections available: 1/2" BSP, 1/2" NPT, 9/16"-18 UNF Units: Bar/psi



PANEL MOUNTED

Range of WP available: Up to 4000 bar Connections available: 1/2" BSP, 1/2" NPT, 9/16"-18 UNF Units: Bar/psi

Ø 150mm



BOTTOM CONNECTION Range of WP available: Up to 6000 bar Connections available: 1/2" BSP, 1/2" NPT, 9/16"-18 UNF Units: Bar/psi



PANEL MOUNTED

Range of WP available: Up to 6000 bar Connections available: 1/2" BSP, 1/2" NPT, 9/16"-18 UNF Units: Bar/psi





08 9350 9023 salesoil&gas@pirtek.com.au

www.pirtek.com.au



ADAPTORS



SPIRSTAR has a complete range of connections to adapt to any port. Our adaptors are made of Stainless Steel AISI 316. The working pressure ranges from 1,000 bar to 3,000 bar.

BSPP MALE X BSPP MALE 60° CONES



Part No.: **Description:** Max Working Pressure: 30,000 psi

MB4-MB4 30K 1/4" BSPP Male X 1/4" **BSPP** Male



120° CONE X BSPP MALE EXTERNAL 120° CONE Part No.: Description:

BSPP MALE EXTERNAL

12B4-12B4 30K 1/4" BSPP Male External Cone X 1/4" BSPP Male External Cone Max Working Pressure: 30,000 psi

BSPP MALE 60° CONE X NPT MALE NIPPLES



Part No.: Description:

Part No.:

Description:

Part No.:

Part No.:

Description:

Description:

Max Working Pressure

MB4-NM4 15K 1/4" BSPP MalE X 1/4" NPT Male Max Working Pressure: 15,000 psi

MB4-NM6 15K 1/4" BSPP Male X 3/8" NPT Male 15,000 psi

METRIC MALE X MALE HEX ADAPTORS



Part No.: **Description:**

DKOS-M16M16 30K Metric M16 Male X M16 Male Max Working Pressure: 30,000 psi

HIGH PRESSURE MALE X BSPP MALE



HM4-MB4 30K 1/4" HP Male X 1/4" BSPP Male Max Working Pressure: 30,000 psi

HM6-MB4 30K 3/8" HP Male X 1/4" **BSPP** Male Max Working Pressure: 30,000 psi

METRIC MALE X HIGH PRESSURE MALE ADAPTORS



Part No.: **Description:**

M16-HP4 30K Metric M16 Male X 1/4" HP Male Max Working Pressure: 30,000 psi





08 9350 9023 salesoil&gas@pirtek.com.au

www.pirtek.com.au



ADAPTORS

BSPP MALE EXTERNAL 120° CONE X NPT MALE



Part No.: **Description:**

Max Working Pressure: 15,000 psi

12B4-NM4 15K 1/4" BSPP Male External Cone X 1/4" NPT Male

METRIC MALE X MALE BSPP HEX ADAPTORS



Part No.: Description: Max Working Pressure:

Part No.: **Description:** Max Working Pressure: DKOS-M16MB4 30K Metric M16 Male X 1/4" **BSPP** Male 30,000 psi

DKOS-M22MB4 30K Metric M22 Male X 1/4" **BSPP** Male 30,000 psi

BSPP MALE EXTERNAL 120° CONE X MALE TYPE M



Part No.: **Description:**

Max Working Pressure: 30,000 psi

12B4-M9 30K 1/4" BSPP Male External Cone X 9/16" Type M Male



METRIC MALE X MALE **BSPP 120° EXTERNAL CONE ADAPTORS**

> Part No.: **Description:**

DKOS-M2212B4 30K Metric M22 Male x 1/4" BSPP Male 120° Eternal Cone 30,000 psi

Part No.: **Description:**

Max Working Pressure:

DKOS-M1612B4 30K Metric M16 Male X 1/4" BSPP Male 120" External Cone

Max Working Pressure: 30,000 psi

Part No.: **Description:**

12B4-HM6 30K 1/4" BSPP Male External Cone X 3/8" HP Male Max Working Pressure: 30,000 psi





08 9350 9023 salesoil&gas@pirtek.com.au www.pirtek.com.au

BSPP MALE EXTERNAL 120° CONE X HIGH PRESSURE MALE