

700 bar



Body Size

1/4" and 3/8"

700 bar

3000-Series

High Pressure



**Technical Description**

High pressure coupler up to 700 bar. Screw locking mechanism.

**Advantages**

- Screw type locking mechanism - high resistance to mechanical and hydraulic strengths.
- Ball or poppet valving configurations can be connected together with reduced impact on the flow capacities.

**Applications**

- Portable hydraulic rams
- Hydraulic jacks, rams and clamping devices
- Clamping hand tools
- Rescue equipment

**Working Temperature**

-30°C up to +110°C (NBR)  
-30°C up to +80°C (Polyurethane)  
depending on the medium. Special seals are available on request (see page 6).

**Working Pressure**

Body Size	Max. Operating Pressure Connected
1/4"	700 bar
3/8"	700 bar

**Material Coupling**

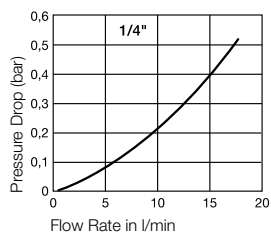
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Valve	Steel
Springs	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Thread Body	Steel

**Material Plug**

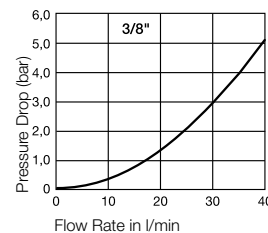
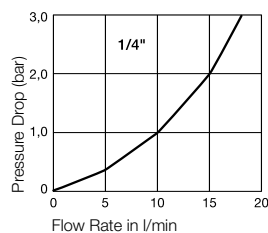
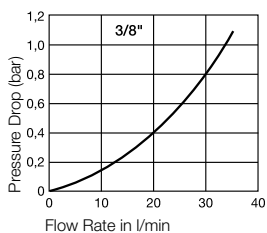
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Seals	NBR
Valve Holder	Steel

**Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000**

**Ball Valving**



**Poppet Valving**



**Couplings**
**3000-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
<p>Male NPTF Thread</p>	1/4"	1/4"	22 mm	60,5	28,5		Ball	115	3050-2
	1/4"	1/4"	22 mm	60,5	29		Poppet	121	3050-2P
	3/8"	3/8"	24 mm	72	35		Ball	220	3050-3
	3/8"	3/8"	1"	73	35		Poppet	225	3050-3P

**Plugs**
**3000-Series**

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
<p>Female NPTF Thread</p>	1/4"	1/4"	19	32	28	15,8	Ball	70	3010-2
	1/4"	1/4"	27	32	31	15,8	Poppet	85	3010-2P
	3/8"	3/8"	32	38	35	19,0	Ball	115	3010-3
	3/8"	3/8"	32	35	36,8	19,0	Poppet	110	3010-3P

**Dust Protection**
**3000-Series**

	Body Size	Version	Part Number
	1/4"	for coupling	3005-2
	3/8"	for coupling	3005-3
	1/4"	for plug	3009-2
	3/8"	for plug	3009-3

**Seal-Kit**
**3000-Series**

	Body Size	Material	Part Number
	1/4"	NBR	JT020114N0552
	3/8"	Polyurethane	JT01U28-18.72QE

⚠ Please consider our security advices on the pages 12/13 ⚠