

1500 bar



Body Size

1/4"

1500 bar

HP1500-Series

High Pressure



Technical Description

The Tema high pressure coupling was specially developed for use in bolt tensioning equipment. This series is produced in steel. The plug bodies and the sleeves are black galvanised. The coupling can be supplied either with or without additional safety lock.

Advantages

- High flow as a result of optimised valve design.
- Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs.
- Tema high pressure couplings are supplied with dust caps inclusive!

Seals

Metal sealing cone threaded adapters/metal sealing cone adapters.

Working Pressure

1500 bar

Working Temperature

-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Available Valves

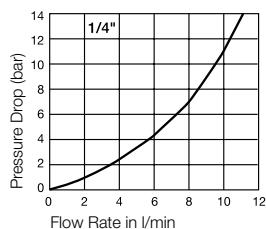


Applications Area



| Material Coupling | Standard |
|-------------------|---|
| Coupling Body | Steel, zinc-nickel coated, black passivated, sealed |
| Sleeve | Steel, hardened, zinc-iron coated, black passivated, sealed |
| Valve | Steel, zinc plated, passivated, sealed |
| Springs | AISI 302 |
| Locking Balls | AISI 420 C |
| Seals | NBR |
| Inner Sleeve | POM |
| Plug | Standard |
| Plug Body | Steel, hardened, zinc-iron coated, black passivated, sealed |
| Valve | Steel, zinc plated, passivated, sealed |
| Springs | AISI 302 |
| Seals | NBR |
| Valve Retainer | Steel, zinc plated, passivated |

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Couplings

HP1500-Series

| | Conne- ction A | Hex mm | L mm | L1 mm | D mm | Safety Locking | Work. Pressure connect. in bar | Work. Pressure disconnect. in bar | Burst. Pressure connect. in bar | Part Number |
|--------------------------|-------------------|-----------|---------|----------|---------|-------------------|-----------------------------------|--------------------------------------|------------------------------------|----------------|
| <p>Female Thread</p> | G 1/4 | 24 | 59 | 12 | 27 | without | 1500 | 1500 | >3500 | HP1510 4131 |
| | G 1/4 | 24 | 59 | 12 | 27 | with | 1500 | 1500 | >3500 | HP1510 4132 |
| | 1/4"-18 NPTF | 24 | 59 | 12 | 27 | without | 1500 | 1500 | >3500 | HP1510 5131 |
| | 1/4"-18 NPTF | 24 | 59 | 12 | 27 | with | 1500 | 1500 | >3500 | HP1510 5132 |
| | G 3/8 | 24 | 59 | 12 | 27 | without | 1500 | 1500 | >3500 | HP1510 4171 |
| | G 3/8 | 24 | 59 | 12 | 27 | with | 1500 | 1500 | >3500 | HP1510 4172 |
| | 3/8"-18 NPTF | 24 | 59 | 13 | 27 | without | 1500 | 1500 | >3500 | HP1510 5171 |
| | 3/8"-18 NPTF | 24 | 59 | 13 | 27 | with | 1500 | 1500 | >3500 | HP1510 5172 |
| <p>Female Thread 90°</p> | G 1/4 | 22 | 67 | 45 | 27,2 | with | 1500 | 1500 | >3500 | HP1510 4131S90 |
| | | | | | | | | | | |
| | | | | | | | | | | |

Plugs

HP1500-Series

| | Conne- ction A | Hex mm | L mm | L1 mm | D mm | Safety Locking | Work. Pressure connect. in bar | Work. Pressure disconnect. in bar | Burst. Pressure connect. in bar | Part Number |
|--------------------------|-------------------|-----------|---------|----------|---------|-------------------|-----------------------------------|--------------------------------------|------------------------------------|---------------|
| <p>Female Thread</p> | G 1/4 | 22 | 38 | 12 | 24,5 | | 1500 | 1500 | >3500 | HP1520 413 |
| | 1/4"-18 NPTF | 22 | 38 | 12 | 24,5 | | 1500 | 1500 | >3500 | HP1520 513 |
| <p>Female Thread 90°</p> | G 1/4 | 22 | 65 | 45 | 14,9 | | 1500 | 1500 | >3500 | HP1520 413S90 |
| | | | | | | | | | | |
| | | | | | | | | | | |

Dust Protection

HP1500-Series

| | Version | L mm | D mm | Material | Color | Part Number |
|--|--------------|---------|---------|-----------|-------|-------------|
| | for coupling | 120 | 21 | PVC | Blue | HP16 |
| | for coupling | 125 | 21 | Aluminium | Red | HP16ARD |
| | for plug | 120 | 19 | PVC | Blue | HP26 |
| | for plug | 140 | 19 | Aluminium | Red | HP26ARD |

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

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