1500 bar

TEMA Tema Profile

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



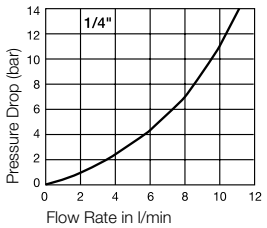
Applications Area



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

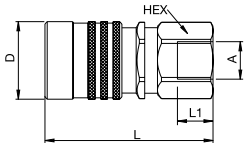
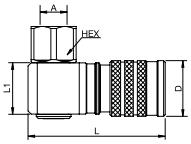
Plug	Standard
Plug Body	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

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

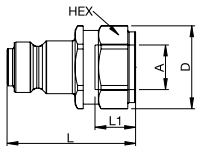
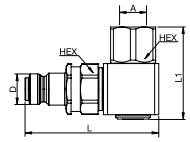


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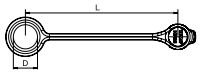
Couplings — HP1500-Series

	Connec-tion 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
	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
Female Thread	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
	G 1/4	22	67	45	27,2	with	1500	1500	>3500	HP1510 4131S90
Female Thread 90°										

Plugs — HP1500-Series

	Connec-tion 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
	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
Female Thread										
	G 1/4	22	65	45	14,9		1500	1500	>3500	HP1520 413S90
Female Thread 90°										

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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