



# UHP 100

## Couplings for Ultra High Pressure applications (100 MPa series).

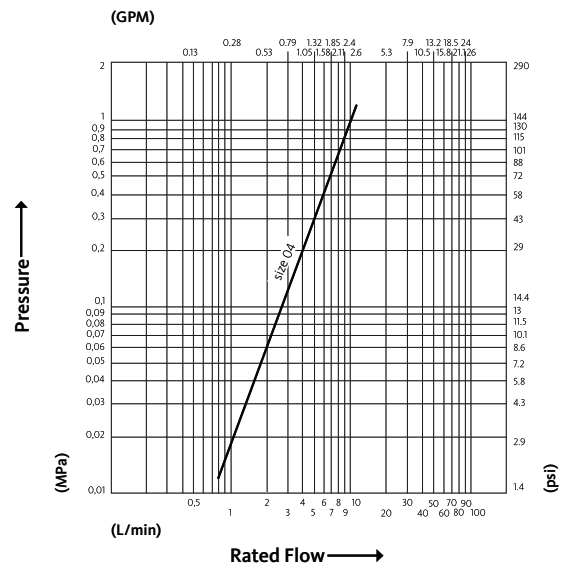
UHP couplings are the most advanced Faster solution for hydraulic applications with ultra high working pressures of 100 MPa and more. Very robust and reliable, they are characterized by redundant visual and mechanical safety systems.



## Applications



## Pressure Drop



Test performed according to ISO 18869

## Technical Specifications

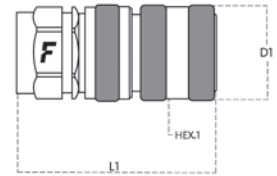
dash	Size mm	inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
							Male	Female	Male + Female
04	6.3	1/4"	100	4	0.008	50	300	300	300

Material	<b>Steel</b>
Seals	<b>NBR</b>
Working temperatures	<b>- 25 °C to + 100 °C</b>
Surface treatment	<b>MATE 500 - 1000 (Zn-Ni)</b>
Series Interchange	<b>MARKET</b>

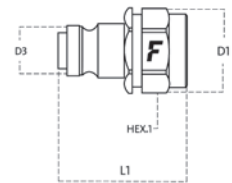
Valve Type	<b>Poppet</b>
Connection	<b>Sleeve Retraction</b>
Disconnection	<b>Sleeve Retraction</b>
Connection Under Pressure	<b>Not Allowed</b>



# UHP 100



Size		Thread details			FEMALE							
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1		
						mm	inch	mm	inch	mm	inch	
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP100 14GMS F	62.3	2.45	28	1.1	24	0.94	
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP100 14NPT F	59.3	2.33	28	1.1	24	0.94	



Size		Thread details			MALE									
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1		
						mm	inch	mm	inch	mm	inch	mm	inch	
6.3	1/4"	F BSP (Metal Sealing)	ISO 1179-1	BSP 1/4 FEMALE (METAL SEALING)	UHP100 14GMS M	39	1.54	25	0.98	14.8	0.58	22	0.87	
6.3	1/4"	F NPTF	ANSI B1.20.3	NPTF 1/4" FEMALE	UHP100 14NPT M	38.3	1.51	25	0.98	14.8	0.58	22	0.87	

NOTE: Red PVC dust protection are supplied together with the product as a standard.

