



## FF SERIES HYDRAULIC FLAT FACE QUICK COUPLINGS

FF Series Hydraulic Flat Face Quick Couplings are specially designed for easy cleaning and preventing the penetration of contamination to the hydraulic circuits.

Male nipples of FF Series are hardened by heat treatment.

Manual sleeve locking mechanism prevents accidental and involuntary connection & disconnection.

The main fields of application for FF Series are environment-sensitive areas and hydraulic tools.

<b>Interchangeability</b>	ISO 16028
<b>Shut-off System</b>	Flat Valve
<b>Material</b>	Carbon Steel
<b>Thread Size</b>	BSP (Upon Request: NPT, Metric)
<b>Sealing</b>	Nitrile O-ring (NBR)
<b>Working Temperature</b>	-30 °C and +110 °C
<b>Plating</b>	Zinc Plating (Cr III Passivation)
<b>Heat Treatment</b>	
<b>Connection System</b>	Male nipple
<b>Disconnection System</b>	Pulling back the sleeve
<b>Connection Under Pressure</b>	Pulling back the sleeve
<b>Disconnection Under Pressure</b>	Not Allowed
<b>Upon Request</b>	Not Allowed
	VITON & High temperature resistant special spring (-30 °C & +225 °C), Polyurethane (PU)
<b>Applications</b>	Construction, production, national defense, aviation, mobile hydraulic, chemical, mining

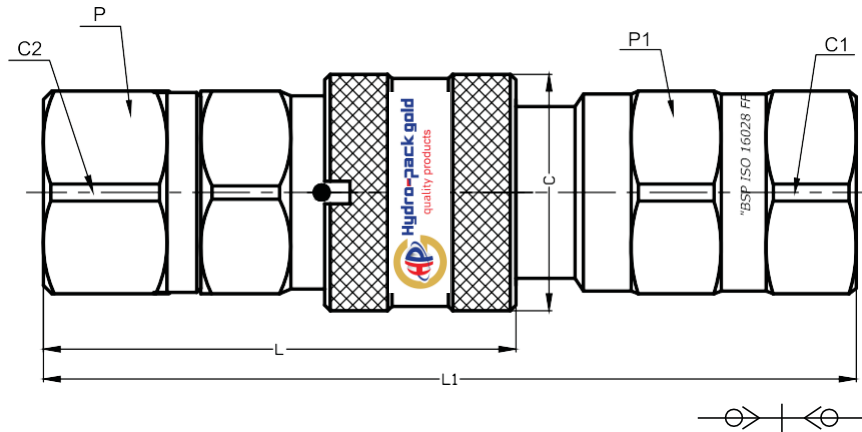
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### Important Note:

To avoid cracking of the quick coupler, only use fittings with BSP thread on male and female parts of coupler.

NPT thread will damage your coupler because of the heat treatment of the individual parts.





### Technical Specifications

	(Thread Size)									
FFG14SN	1/4" BSP	380	28	24.50	27	66	99.50	24	22	
FFG38SN	3/8" BSP	350	32	30	30	79	125.50	27	27	
FFG12SN	1/2" BSP	350	32	30	30	79	125.50	27	27	
FFG34SN	3/4" BSP	350	42	40	40	90	151	36	36	
FFG1SN	1" BSP	330	47.50	46	46	105.50	179	41	41	

### Flow Rate / Pressure Drop Table

	(Thread Size)			
FFG14SN	1/4" BSP	14	20	40
FFG38SN	3/8" BSP	28	45	75
FFG12SN	1/2" BSP	55	75	135
FFG34SN	3/4" BSP	120	160	250
FFG1SN	1" BSP	145	200	350

