



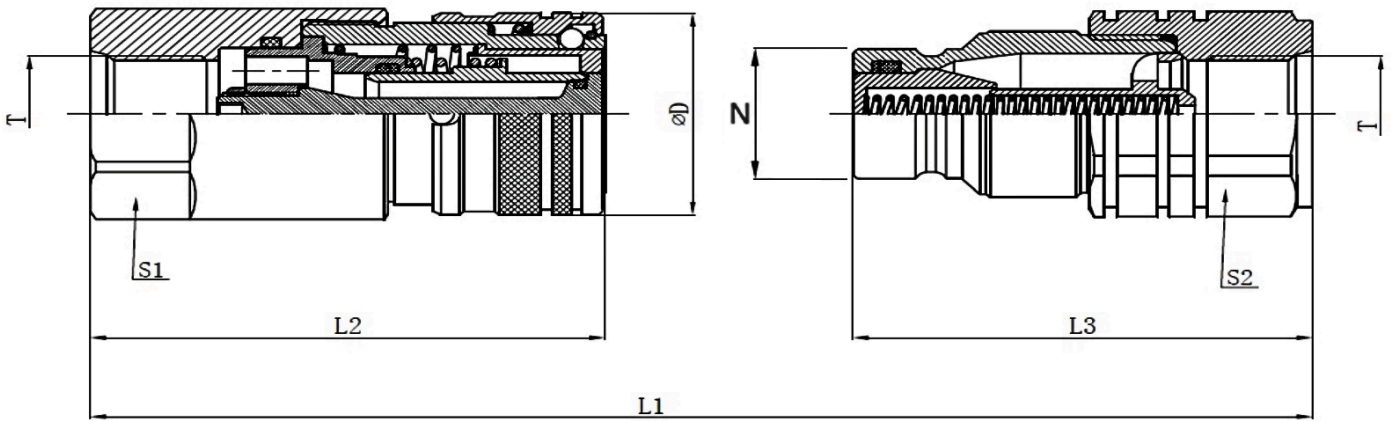
# HYDRAULIC FLAT FACE QUICK RELEASE COUPLINGS

Hydraulic flat face quick release couplings are a type of quick-connect hydraulic connector commonly used in systems that require the rapid connection and disconnection of hydraulic lines. These couplings are designed to allow fluid to flow between two connected components, such as hoses, pipes, or machinery, without causing leakage or contamination when they are disconnected.

- Standard: ISO 16028
- Materials: Zinc Plated Carbon Steel Body
- Seals: Standard in nitrile NBR. On request FKM, PU & EDM Seals
- Back-up ring - PTFE
- Working temperature with standard seals: -25°C + 125°C



# DIMENSIONS



DN	ISO	L1	L2	L3	ØD	S1	S2	N	T	PRODUCT REFERENCE (F)	PRODUCT REFERENCE (M)
04	6.3	110.7	59.0	52.2	28.0	22.0	22.0	Ø16.2	1/4" BSP	QRCFFF14	QRCFFM14
06	10	118.0	73.7	60.0	32.0	30.0	30.0	Ø19.8	3/8" BSP	QRCFFF38	QRCFFM38
06	10	118.0	73.7	60.0	32.0	30.0	30.0	Ø19.8	1/2" BSP	QRCFFF12-38	QRCFFM12-38
08	12.5	138.0	81.3	74.0	38.0	36.0	36.0	Ø24.6	1/2" BSP	QRCFFF12	QRCFFM12
08	12.5	138.0	81.3	74.0	38.0	36.0	36.0	Ø24.6	3/4" BSP	QRCFFF34-12	QRCFFM34-12
12	20	159.0	94.5	86.0	48.0	41.0	41.0	Ø30.0	3/4" BSP	QRCFFF34	QRCFFM34
12	20	159.0	94.5	86.0	48.0	41.0	41.0	Ø30.0	1" BSP	QRCFFF1-34	QRCFFM1-34
16	25	179.0	109.5	92.0	55.0	50.0	50.0	Ø36.0	1" BSP	QRCFFF1	QRCFFM1
16	25	179.0	109.5	92.0	55.0	50.0	50.0	Ø36.0	1-1/4" BSP	QRCFFF1620114	QRCFFM1620114
24	40	222.7	132	119.7	80.0	65.0	70.0	Ø57.0	1-1/2" BSP	QRCFFM24112	QRCFFM24112
32	50	284	147.3	173.2	103	80.0	80.0	Ø72.9	2" BSP	QRCFFF322	QRCFFM322

NOMINAL SIZE		MAX WORKING PRESSURE	MAX FLOW	RATED FLOW	MIN BURST PRESSURE			FLUID SPILLAGE
					MALE	FEMALE	COUPLED	
DN	ISO	(BAR)	(L/M)	(L/M)	(BAR)	(BAR)	(BAR)	(CC)
04	6.3	400	24	12	1900	1900	1430	0.008
06	10	350	46	23	1560	1780	1610	0.01
08	12.5	350	90	45	1700	1590	1900	0.012
12	20	350	170	100	1660	1470	1840	0.02
16	25	350	378	189	1470	1400	1530	0.03
24	40	200	700	379	1200	110	110	0.05
32	50	150	1000	757	700	650	650	0.10

# STATIC BURST TEST

Dimensions with ISO16028 and technical data with ISO7241-2

DN	ISO	WP TARGET	COUPLED	MALE	FEMALE
04	6.3	420	2486	2331	1795
06	10	375	2485	2546	1738
08	12.5	350	2394	2700	1548
10	16	350	2529	1829	1632
12	20	350	1992	2282	1491
16	25	350	1664	1883	1432
BURST TARGET		UNCOUPLED PARTS: WP X 3 (BURST PRESSURE)			
		COUPLED: WP X 4 (BURST PRESSURE)			

# IMPULSING TEST

Dimensions with ISO16028 and technical data with ISO7241-2

DN	ISO	TEST PRESSURE	Camp 2610(n°kcicli)
04	6.3	420	1,100,000
06	10	375	1,100,000
08	12.5	350	1,120,000
10	16	350	1,001,000
12	20	350	1,060,000
16	25	350	1,005,000
IMPULSING TARGET		1 MILLION CYCLES AT WP LEVEL AND CONNECT OR DISCONNECT EVERY 100,000 CYCLES	

# ACCESSORIES

Dust plugs for quick release couplings serve an important role in protecting the coupling from contaminants like dirt, moisture, and debris when not in use. By covering the exposed ends of the coupling, dust plugs help prevent damage to the internal components, ensure a proper seal, and maintain the overall functionality and longevity of the coupling. They also help maintain the cleanliness of the coupling, ensuring that it works efficiently when it is connected.



DN	ISO	THREAD	FEMALE DUST PLUG	MALE DUST PLUG	COLOUR	MATERIAL
04	6.3	1/4" BSP	PPQRCFFF14	PPQRCFFM14	Red	Plastic
06	10	3/8" BSP	PPQRCFFF38	PPQRCFFM38	Red	Plastic
08	12.5	1/2" BSP	PPQRCFFF12	PPQRCFFM12	Red	Plastic
12	20	3/4" BSP	PPQRCFFF34	PPQRCFFM34	Red	Plastic
16	25	1" BSP	PPQRCFFF1	PPQRCFFM1	Red	Plastic

