

X65 Range - Premium ISO 16028 Flat-Face Quick Couplings



QR code for X65 Range

DN5 (165), DN6.3 (265), DN10 (365), DN 12.5 (565),
DN16 (665), DN19 (765), DN25 (065)

- Minimize contamination of your hydraulic system
- Spill free disconnection
- High performance
- Connect under residual pressure, only limited by your strength

Temperature range: -30°C – +100°C (-22°F – +212°F)
Material seal: Nitrile (NBR/PUR, other sealing materials on request)
Material: Steel (zinc-nickel, zinc passivation)
Connectability: Only limited by operator strength
Disconnection under pressure: Not allowed
Interchangeable with: All brands dimensionally interchanging with ISO16028

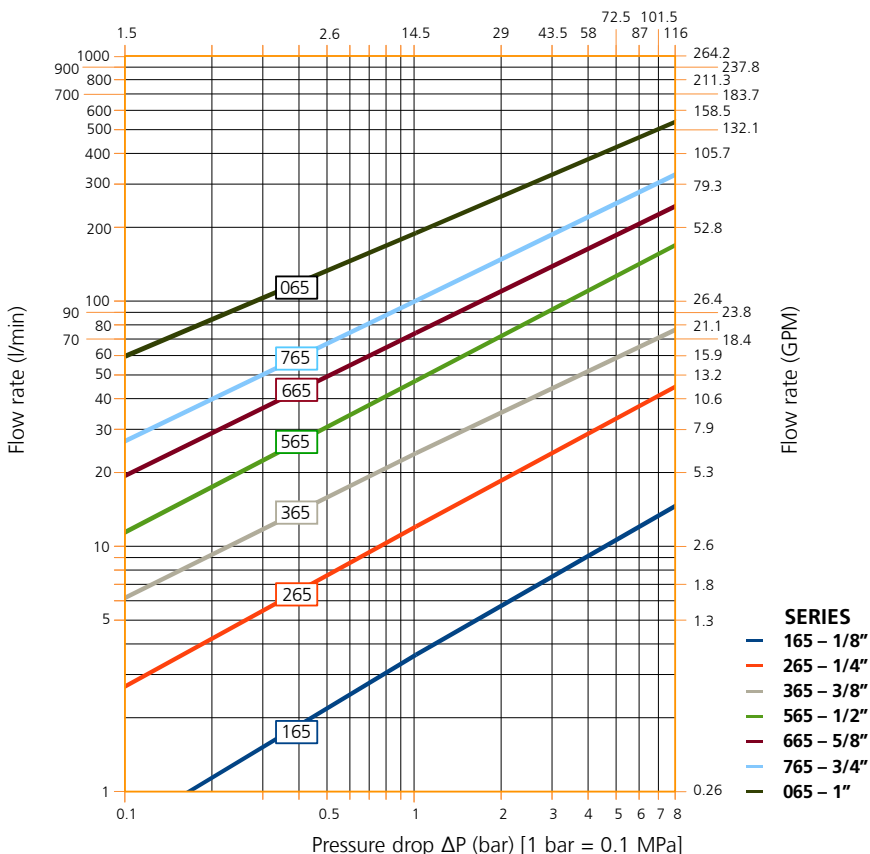


Dia (mm)*	Body Size			Series	Flow rate @ ΔP = 3 Bar		Max. working pressure				Min. burst pressure				Spillage @ Disconnect (ml)
	ISO - DN	Inch	Dash		(l/min)**	(GPM)**	Connected		Disconnected		Connected		Disconnected		
							(bar)	(PSI)	(bar)	(PSI)	(bar)	(PSI)	(bar)	(PSI)	
12.0	5	1/8"	-02	165	7.5	2.0	720	10442	720	10442	1800	26106	1800	26106	0.02
16.1	6.3	1/4"	-04	265	24	6.3	500	7251	500	7251	1500	21755	1500	21755	
19.7	10	3/8"	-06	365	44	11.6	400	5801	400	5801	1200	17404	1200	17404	0.03
24.5	12.5	1/2"	-08	565	93	24.6	400	5801	400	5801	1200	17404	1200	17404	0.04
27.0	16	5/8"	-10	665	139	36.7	400	5801	400	5801	1200	17404	1200	17404	0.06
30.0	19	3/4"	-12	765	188	49.7	400	5801	400	5801	1200	17404	1200	17404	0.10
36.0	25	1"	-16	065	330	87.2	350	5076	350	5076	1200	17404	1200	17404	0.11

(**) If the application is constantly above this flow rate for the respective coupling size, a larger coupling size should be considered to avoid too high a pressure drop. The couplings can handle a much higher flow rate but there is a risk of heat build-up in the system. In general, surge flows above the normal flow rate are not a problem. (*) Diameter for easy identification of ISO16028 Flat-Face coupling size (see picture).

PRESSURE DROP CHART

Pressure drop ΔP (PSI)



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COUPLINGS & NIPPLES

Body Size			Connection			Part No.		Weight (g)		Package Qty.
ISO - DN	Inch	Dash	Description	Type	Standards	Coupling/Female	Nipple/Male	Coupling	Nipple	
5	1/8"	-02	G 1/8" (BSP)	Female thread	DIN 3852	10 165 1201	10 165 6201	96	42	10
6.3	1/4"	-04	Rc 1/4" (BSPT)	Female thread	ISO 7/1	10 265 1102	10 265 6102	143	80	
			G 1/4" (BSP)	Female thread	DIN 3852	10 265 1202	10 265 6202	143	78	
			1/4" NPT	Female thread	ANSI B1.20.3	10 265 1402	10 265 6402	144	79	
			7/16"-20 UNF (1/4" SAE)	Female thread	SAE J 1926-1	10 265 1602	10 265 6602	148	83	
			M14x1.5 08L	Male thread	ISO 8434-1-L	10 265 1554	10 265 6554	147	81	
			M16x1.5 10L	Male thread	ISO 8434-1-L	10 265 1555	10 265 6555	149	83	
10	3/8"	-06	Rc 3/8" (BSPT)	Female thread	ISO 7/1	10 365 1104	10 365 6104	226	120	
			Rc 1/2" (BSPT)	Female thread	ISO 7/1	10 365 1105	10 365 6105	230	122	
			G 3/8" (BSP)	Female thread	DIN 3852	10 365 1204	10 365 6204	218	115	
			G 1/2" (BSP)	Female thread	DIN 3852	10 365 1205	10 365 6205	230	129	
			3/8 NPT	Female thread	ANSI B1.20.3	10 365 1404	10 365 6404	226	117	
			1/2" NPT	Female thread	ANSI B1.20.3	10 365 1405	10 365 6405	230	120	
			9/16"-18 UNF (3/8" SAE)	Female thread	SAE J 1926-1	10 365 1604	10 365 6604	250	139	
			3/4"-16 UNF (1/2" SAE)	Female thread	SAE J 1926-1	10 365 1605	10 365 6605	263	153	
			11/16"-16 ORFS bulkhead	Male thread	SAE J 1453	10 365 1757	10 365 6757	307	197	
			M16x1.5 10L	Male thread	ISO 8434-1-L	10 365 1552	10 365 6552	234	124	
			M18x1.5 12L	Male thread	ISO 8434-1-L	10 365 1554	10 365 6554	235	125	
			M22x1.5 15L	Male thread	ISO 8434-1-L	10 365 1555	10 365 6555	242	132	
			M18x1.5 12LS bulkhead	Male thread	ISO 8434-1-L	10 365 1557	10 365 6557	284	174	
			M22x1.5 15LS bulkhead	Male thread	ISO 8434-1-L	10 365 1558	10 365 6558	329	219	
			G 3/8" JIS ORB	Female thread	JIS B2351	10 365 1294	10 365 6293	244	115	
			G 1/2" JIS ORB	Female thread	JIS B2351	10 365 1295	10 365 6296	253	144	
12.5	1/2"	-08	Rc 1/2" (BSPT)	Female thread	ISO 7/1	10 565 1105	10 565 6105	396	272	
			G 1/2" (BSP)	Female thread	DIN 3852	10 565 1205	10 565 6205	386	250	
			G 3/4" (BSP)	Female thread	DIN 3852	10 565 1207	10 565 6207	375	238	
			1/2" NPT	Female thread	ANSI B1.20.3	10 565 1405	10 565 6405	396	264	
			3/4"-16 UNF (1/2" SAE)	Female thread	SAE J 1926-1	10 565 1605	10 565 6605	461	333	
			7/8" - 14 UNF (5/8" SAE)	Female thread	SAE J 1926-1	10 565 1606	10 565 6606	469	332	
			1 1/16"-12 UN (SAE 3/4")	Female thread	SAE J 1926-1	10 565 1607	10 565 6607	469	270	
			13/16"-16 ORFS bulkhead	Male thread	SAE J 1453	10 565 1756	10 565 6756	501	371	
			1"-14 ORFS bulkhead	Male thread	SAE J 1453	10 565 1758	10 565 6758	585	451	
			M18x1.5 12L	Male thread	ISO 8434-1-L	10 565 1554	10 565 6554	375	244	
			M22x1.5 15L	Male thread	ISO 8434-1-L	10 565 1555	10 565 6555	382	252	
			M18x1.5 12LS bulkhead	Male thread	ISO 8434-1-L	10 565 1557	10 565 6557	423	293	
			M22x1.5 15LS bulkhead	Male thread	ISO 8434-1-L	10 565 1558	10 565 6558	461	332	
			G 1/2" JIS ORB	Female thread	JIS B2351	10 565 1295	10 565 6296	410	275	
16	5/8"	-10	Rc 3/4" (BSPT)	Female thread	ISO 7/1	10 665 1101	10 665 6101	468	314	
			G 3/4" (BSP)	Female thread	DIN 3852	10 665 1201	10 665 6201	465	303	
			3/4" NPT	Female thread	ANSI B1.20.3	10 665 1401	10 665 6401	476	312	
			1 1/16"-12 UN (3/4" SAE)	Female thread	SAE J 1926-1	10 665 1601	10 665 6601	500	335	
			M26x1.5 18L	Male thread	ISO 8434-1-L	10 665 1551	10 665 6551	472	312	
			1"-14 ORFS bulkhead	Male thread	SAE J 1453	10 665 1752	10 665 6752	624	464	

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COUPLINGS & NIPPLES

Body Size			Connection			Part No.		Weight (g)		Package Qty.
ISO - DN	Inch	Dash	Description	Type	Standards	Coupling/Female	Nipple/Male	Coupling	Nipple	
19	3/4"	-12	Rc 1" (BSPT)	Female thread	ISO 7/1	10 765 1103	10 765 6103	751	488	5
			G 3/4" (BSP)	Female thread	DIN 3852	10 765 1201	10 765 6201	766	502	
			G 1" (BSP)	Female thread	DIN 3852	10 765 1203	10 765 6203	714	479	
			3/4" NPT	Female thread	ANSI B1.20.3	10 765 1401	10 765 6401	792	523	
			1" NPT	Female thread	ANSI B1.20.3	10 765 1403	10 765 6403	743	487	
			1 5/16-12 UN (1" SAE)	Female thread	SAE J 1926-1	10 765 1603	10 765 6603	818	547	
			M26x1.5 18L	Male thread	ISO 8434-1-L	10 765 1551	10 765 6551	718	449	
			M30x2 22L	Male thread	ISO 8434-1-L	10 765 1552	10 765 6552	725	456	
			M26x1.5 18LS bulkhead	Male thread	ISO 8434-1-L	10 765 1555	10 765 6555	837	568	
			M30x2 22LS bulkhead	Male thread	ISO 8434-1-L	10 765 1556	10 765 6556	872	603	
			G 3/4" JIS ORB	Female thread	JIS B2351	10 765 1291	10 765 6291	791	519	
25	1"	-16	Rc 1" (BSPT)	Female thread	ISO 7/1	10 065 1103	10 065 6103	1200	555	
			Rc 1 1/4" (BSPT)	Female thread	ISO 7/1	10 065 1104	10 065 6104	1347	783	
			G 1" (BSP)	Female thread	DIN 3852	10 065 1203	10 065 6203	1195	565	
			G 1 1/4" (BSP)	Female thread	DIN 3852	10 065 1204	10 065 6204	1297	780	
			1" NPT	Female thread	ANSI B1.20.3	10 065 1403	10 065 6403	1200	555	
			1 1/4" NPT	Female thread	ANSI B1.20.3	10 065 1404	10 065 6404	1293	747	
			1 5/16"-12 UN (1" SAE)	Female thread	SAE J 1926-1	10 065 1603	10 065 6603	1400	560	
			G 1" JIS ORB	Female thread	JIS B2351	10 065 1280	10 065 6280	1400	570	
			G 1 1/4" JIS ORB	Female thread	JIS B2351	10 065 1281	10 065 6281	1500	760	

COUPLING FOR PANEL MOUNTING - PUSH-PULL FUNCTION

Body Size			Connection			Part No.		Weight (g)		Package Qty.
ISO - DN	Inch	Dash	Description	Type	Standards	Coupling/Female	Nipple/Male	Coupling	Nipple	
6.3	1/4"	-04	G 1/4" (BSP)	Female thread	DIN 3852	10 265 1282	-	148		10
10	3/8"	-06	G 3/8" (BSP)	Female thread	DIN 3852	10 365 1284	-	232		
12.5	1/2"	-08	G 1/2" (BSP)	Female thread	DIN 3852	10 565 1285	-	400		
16	5/8"	-10	G 3/4" (BSP)	Female thread	DIN 3852	10 665 1281	-	476		
19	3/4"	-12	G 3/4" (BSP)	Female thread	DIN 3852	10 765 1281	-	784		5

COUPLINGS/NIPPLES - SPECIAL HIGH PRESSURE VERSION OF 265

Body Size			Connection			Part No.		Max. working pressure Connected/Disconnected (bar) (PSI)		Min. burst pressure Connected/Disconnected (bar) (PSI)		Package Qty.
ISO - DN	Inch	Dash	Description	Type	Standards	Coupling/Female	Nipple/Male					
6.3	1/4"	-04	3/8" NPT	Female thread	ANSI B1.20.3	10 265 1434	-	720	10442	1800	26106	10
				Male thread		-	10 265 6484					

This special version is impulse tested at 1.33 x Max. WP for 10,000 pressure cycles.

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