



INTERPUMP

FLUID SOLUTIONS 

Powered by I.M.M. Hydraulics

Quick Couplings

2020



in

80FF

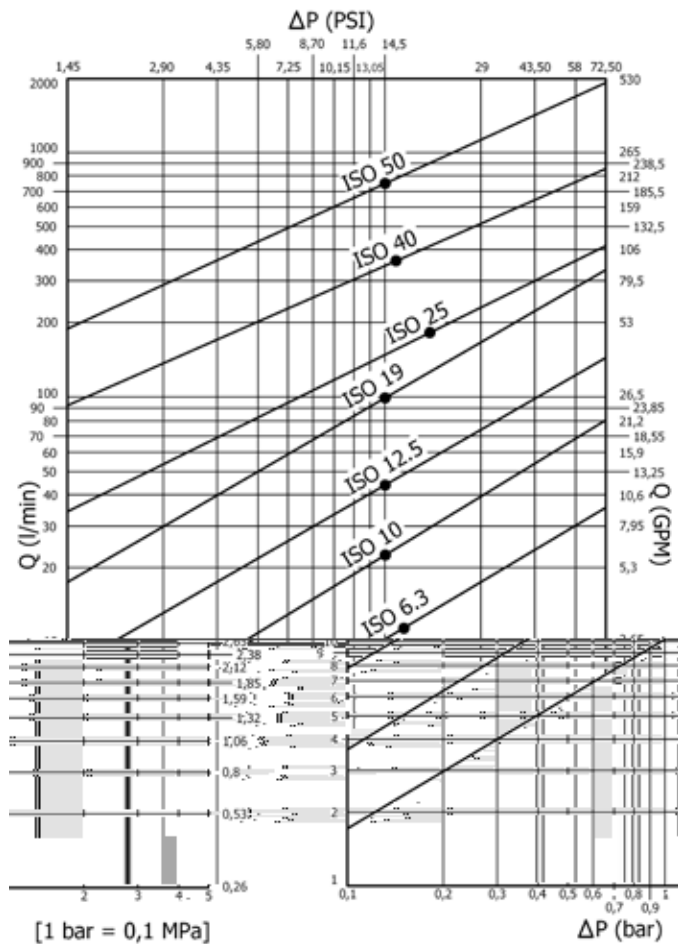
Flat Face quick-release couplings

APPLICATIONS:



Features:

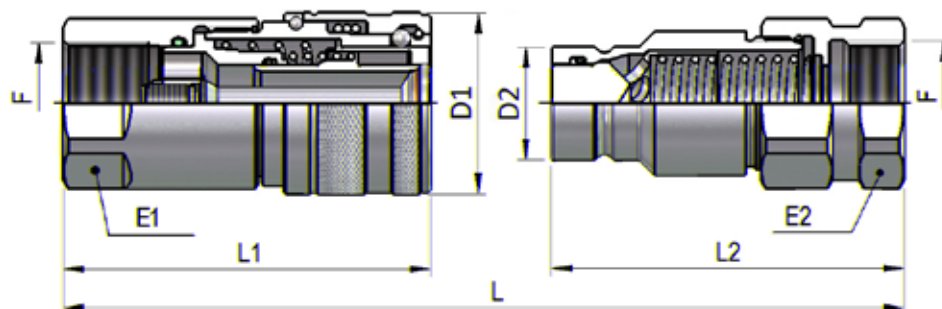
Standard: ISO 16028.
 Shut-off flat valve system.
 Locking: radial balls.
 Material: steel.
 Finishing: Zn-Ir (Cr III).
 Thread: BSP-NPT-SAE.
 Standard seals: NBR.
 Operating temperature range: -25°C+100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 250-300 bar.
 Pressure connection: not allowed.



Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	6	25	12	24	180	120	140	0,008
ISO 10	8,6		23	46	160	100	160	0,01
ISO 12.5	10,7		45	90	150	110	190	0,012
ISO 19	14,8		100	200	140		140	0,02
ISO 25	17,6		189	280	130	100		0,03
ISO 40	30		379	700	120	120	110	0,05
ISO 50	40,6		757	1000	100	100	100	0,1



Nominal size ISO	Dimensions:													Plug	
	Part Number		Size	Thread	Dimensions							Weight		male	female
	Female	Male	dash	F	D1	D2	L1	L2	L	E1	E2	female	male		
ISO 6.3	80FF0404GF	80FF0404GM	6	1/4"	28	16,2	58,5	52	100	22	22	181	96	PLUG-04IFM	PLUG-04IFF
ISO 10	80FF0606GF	80FF0606GM	13	3/8"	32	19,76	67,3	63,5	115,1	27	27	256	156	PLUG-06IFM	PLUG-06IFF
ISO 10	80FF0608GF	80FF0608GM	13	1/2"	32	19,76	72,3	67,5	124,1	27	27	253	151	PLUG-06IFM	PLUG-06IFF
ISO 12.5	80FF0808GF	80FF0808GM	20	1/2"	38	24,55	78,5	72,5	133,7	32	36	413	305	PLUG-08IFM	PLUG-08IFF
ISO 12.5	80FF0812GF	80FF0812GM	20	3/4"	38	24,55	84	74,5	141,2	36	36	445	282	PLUG-08IFM	PLUG-08IFF
ISO 19	80FF1212GF	80FF1212GM	25	3/4"	48	29,95	93,6	86	157,5	46	41	850	478	PLUG-12IFM	PLUG-12IFF
ISO 19	80FF1216GF	80FF1216GM	25	1"	48	29,95	93,6	86	157,5	46	41	789	423	PLUG-12IFM	PLUG-12IFF
ISO 25	80FF1620GF	80FF1620GM	30	1.1/4"	55	36	109,3	90	177	50	50	1139	648	PLUG-16IFM	PLUG-16IFF
ISO 40	80FF2024GF	80FF2024GM	39	1.1/2"	79	57,05	118,3	119,5	210	70	70	2703	1879	***	***
ISO 50	80FF2432GF	80FF2432GM	50	2"	103	72,9	147,4	173	283	80	80	5500	4890	***	***



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO

COLOUR RED/ROSSO



MATERIAL PVC

X80FF

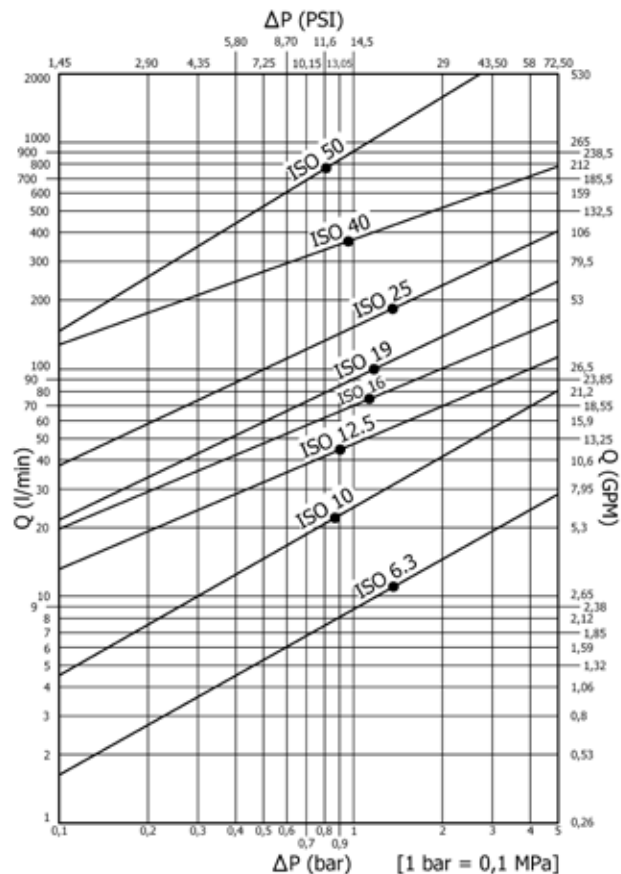
Flat Face quick-release couplings

APPLICATIONS:



Features:

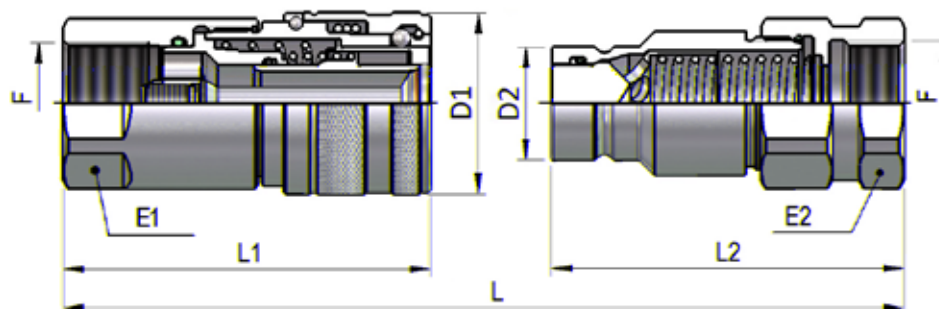
Standard: ISO 16028.
 Shut-off: flat valve system.
 Locking: radial balls.
 Material: stainless steel AISI 316.
 Thread: BSP-NPT-SAE.
 Standard seals: FKM.
 Operating temperature range: -25°C+200°C.
 Optional seals: EPDM, FFKM o altro.
 Working pressure: 100-400 bar.
 Pressure connection: not allowed.



Technical Data:

Technical Data:								
Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	6	40	12	24	260	160	130	0,008
ISO 10	8,6	25	23	46	140	100	190	0,01
ISO 12.5	10,7		45	90	130		160	0,012
ISO 16	12,8		74	150	110		140	0,015
ISO 19	14,8		100	200				0,02
ISO 25	17,6		189	280	100		100	0,03
ISO 40	30	15	379	700	60	60	60	0,05
ISO 50	40,6	10	757	1000	40	40	40	0,1

X80FF



	Dimensions:														Plug	
Nominal size ISO	Part Number		Size	Thread	Dimensions								Weight		male	female
	Female	Male	dash	F	D1	D2	L1	L2	L	E1	E2	female	male			
ISO 6.3	X80FF0404GF	X80FF0404GM	6	1/4"	28	16,2	58,5	60	108	22	22	186	121	PLUG-04IFM	PLUG-04IFF	
ISO 10	X80FF0606GF	X80FF0606GM	13	3/8"	32	19,8	73,5	69,5	127,3	27	27	298	172	PLUG-04IFM	PLUG-06IFF	
ISO 10	X80FF0608GF	X80FF0608GM	13	1/2"	32	19,8	73,5	69	126,8	27	27	286	156	PLUG-06IFM	PLUG-06IFF	
ISO 12.5	X80FF0808GF	X80FF0808GM	20	1/2"	38	24,6	83,5	81,5	147,7	36	36	544	351	PLUG-08IFM	PLUG-08IFF	
ISO 12.5	X80FF0812GF	X80FF0812GM	20	3/4"	38	24,6	83,5	83	149,2	36	36	510	326	PLUG-08IFM	PLUG-08IFF	
ISO 16	X80FF1012GF	X80FF1012GM	22	3/4"	42	27	86	83	151,7	36	36	557	360	***	***	
ISO 19	X80FF1212GF	X80FF1212GM	25	3/4"	48	30	95,5	90,5	164,5	41	41	850	496	PLUG-12IFM	PLUG-12IFF	
ISO 19	X80FF1216GF	X80FF1216GM	25	1"	48	30	97,5	90,5	166,5	41	41	803	451	PLUG-12IFM	PLUG-12IFF	
ISO 25	X80FF1620GF	X80FF1620GM	30	1.1/4"	55	36	109,3	95	181,5	50	50	1164	744	PLUG-16IFM	PLUG-16IFF	
ISO 40	X80FF2024GF	X80FF2024GM	39	1.1/2"	79	57	118	122,5	213	70	70	2844	2134	***	***	
ISO 50	X80FF2432GF	X80FF2432GM	50	2"	99	72,9	149	139,6	251,2	80	80	4790	3200	***	***	



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO

COLOUR RED/ROSSO



MATERIAL PVC

80FV

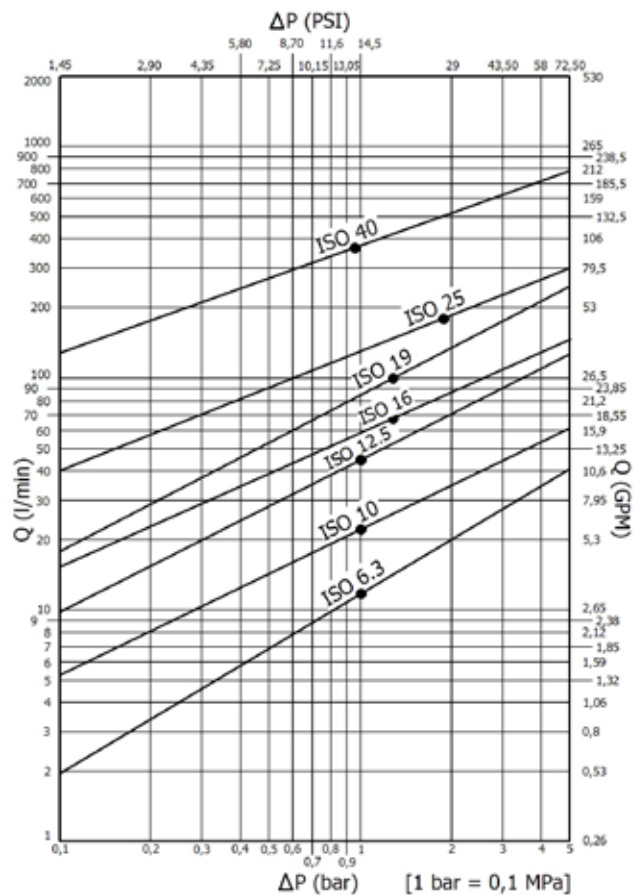
Screw Flat Face quick-release couplings

APPLICATIONS:



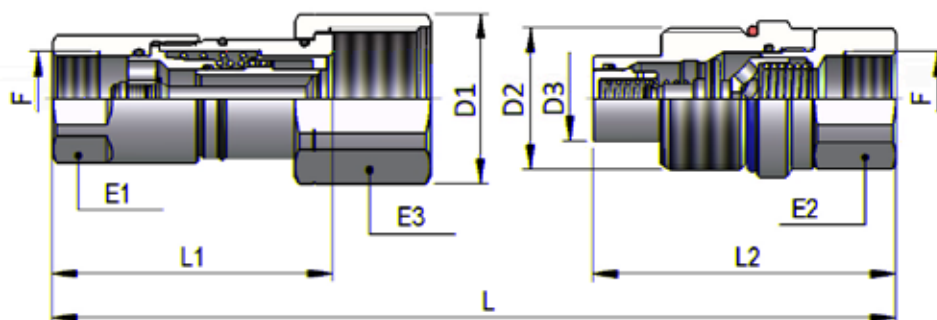
Features:

Interchangeability: Stucchi VEP.
 Shut-off flat valve system.
 Locking: screw.
 Material: steel.
 Finishing: Zn-Ir (Cr III) and Zn-Ni.
 Thread: BSP-NPT-SAE.
 Standard seals: NBR e PU.
 Operating temperature range: -25°C +100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 300-450 bar.
 Pressure connection: allowed (male side or female side).
 Maximum residual pressure: 300 bar.



Pressure drop

Technical Data:								
Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	6	45	12	24	190	180	200	0,008
ISO 10	8,6	35	23	46	130	170	140	0,01
ISO 12.5	10,7		45	90	140	140		0,012
ISO 16	12,8		74	150				0,015
ISO 19	14,8		100	200				0,02
ISO 25	17,6		189	280				0,03
ISO 40	30	30	379	700	120	120	120	0,05



Dimensions:															
Nominal size ISO	Part Number		Size	Thread		Dimensions								Weight	
	Female	Male	dash	F	F1	D1	D3	L1	L2	L	E1	E2	E3	female	male
ISO 6.3	80FV0404GF	80FV0404GM	6	1/4"	M30X2	39	16,2	59,5	67,5	116,5	22	22	36	268	237
ISO 10	80FV0606GF	80FV0606GM	13	3/8"	M33X2	41,7	19,7	75,1	74	133,4	30	30	38	381	298
ISO 10	80FV0608GF	80FV0608GM	13	1/2"	M33X2	41,7	19,7	75,1	74	133,4	30	30	38	366	284
ISO 12.5	80FV0808GF	80FV0808GM	20	1/2"	M40X3	49,7	24,5	84,8	90,5	158	36	36	46	619	541
ISO 12.5	80FV0812GF	80FV0812GM	20	3/4"	M40X3	49,7	24,5	84,8	90,5	158	36	36	46	586	503
ISO 16	80FV1012GF	80FV1012GM	22	3/4"	M45X3	55	27	87,3	90,5	160,5	36	36	50	706	593
ISO 19	80FV1212GF	80FV1212GM	25	3/4"	M50X3	60	29,9	96	103	177,5	41	46	55	967	980
ISO 19	80FV1216GF	80FV1216GM	25	1"	M50X3	60	29,9	99	107	184,5	41	46	55	938	922
ISO 25	80FV1620GF	80FV1620GM	30	1.1/4"	M58X3	70	36	111	126,5	214,7	55	55	65	1620	1519
ISO 40	80FV2024GF	80FV2024GM	39	1.1/2"	TR 80X4	99,5	56,9	119,5	153,6	246	70	75	90	3256	3750

80FI

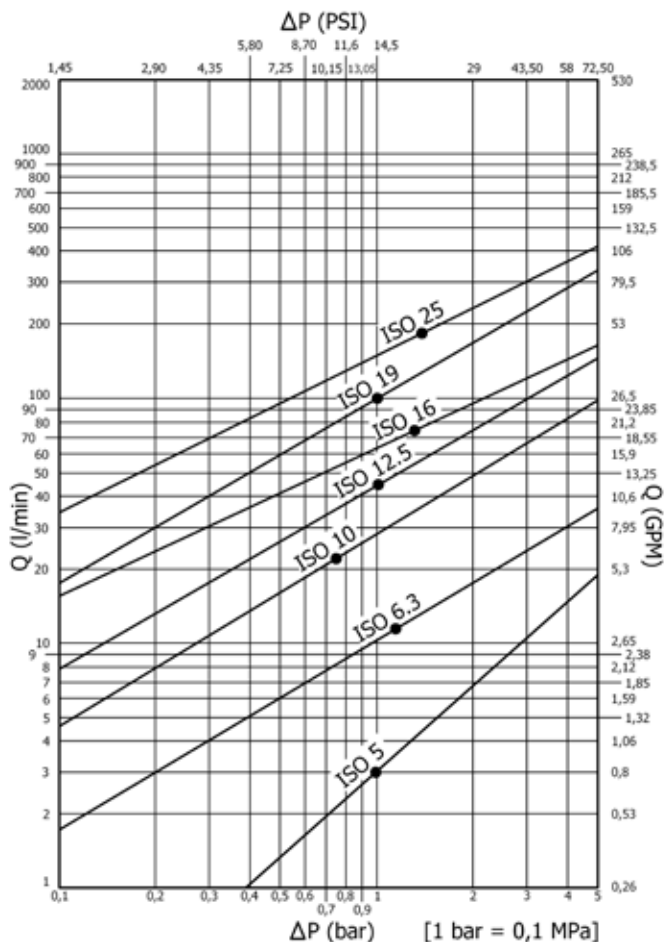
ISO 16028 Flat Face quick-release couplings

APPLICATIONS:



Features:

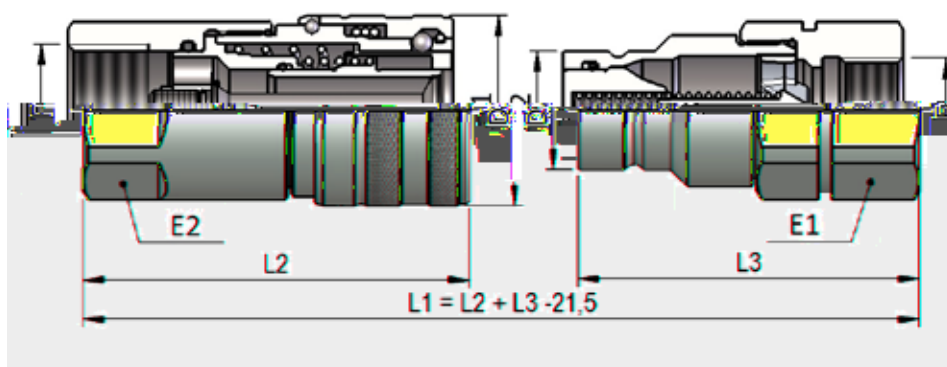
Standard: ISO 16028.
 Shut-off flat valve system.
 Locking: radial balls.
 Material: steel.
 Finishing: Zn-Ir (Cr III) and Zn-Ni.
 Thread: BSP-NPT-SAE-METRIC Standard seals: NBR e PU.
 Operating temperature range: -25°C+100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 350-500 bar.
 Pressure connection: not allowed.



Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 5	4	50	3	9	250	210	250	0,006
ISO 6.3	6	40	12	24	190	190	190	0,008
ISO 10	8,6	35	23	46	150	170	160	0,01
ISO 12.5	10,7		45	90	170	150	170	0,012
ISO 16	12,8		74	150	160	140	150	0,015
ISO 19	14,8		100	200			180	0,02
ISO 25	17,6		189	280			150	0,03



Nominal size ISO	Dimensions:													Plug	
	Part Number		Size	Thread	Dimensions							Weight		male	female
	Female	Male	dash	F	D1	D2	L1	L2	L	E1	E2	female	male		
ISO 5	80FI0202GF	80FI0202GM	4	1/8"	25	13,6	48,6	43,5	84,1	17	17	92	51	***	***
ISO 6.3	80FI0404GF	80FI0404GM	6	1/4"	28	16,2	58,5	52	100	22	22	181	95	PLUG-04IFM	PLUG-04IFF
ISO 10	80FI0606GF	80FI0606GM	13	3/8"	32	19,8	73,5	60,5	118,3	30	30	309	158	PLUG-06IFM	PLUG-06IFF
ISO 10	80FI0608GF	80FI0608GM	13	1/2"	32	19,8	73,5	60,5	118,3	30	30	294	154	PLUG-06IFM	PLUG-06IFF
ISO 12.5	80FI0808GF	80FI0808GM	20	1/2"	38	24,6	83,5	72,5	138,7	36	36	529	301	PLUG-08IFM	PLUG-08IFF
ISO 12.5	80FI0812GF	80FI0812GM	20	3/4"	38	24,6	83,5	74,5	140,7	36	36	498	282	PLUG-08IFM	PLUG-08IFF
ISO 16	80FI1012GF	80FI1012GM	22	3/4"	42	27	86	74,5	143,2	36	36	545	307	***	***
ISO 19	80FI1212GF	80FI1212GM	25	3/4"	48	30	94,5	86	159	41	41	808	478	PLUG-12IFM	PLUG-12IFF
ISO 19	80FI1216GF	80FI1216GM	25	1"	48	30	97,5	86	162	41	41	780	414	PLUG-12IFM	PLUG-12IFF
ISO 25	80FI1616GF	80FI1616GM	30	1"	55	36	109,3	90	176,5	50	50	1236	726	PLUG-16IFM	PLUG-16IFF
ISO 25	80FI1620GF	80FI1620GM	30	1.1/4"	55	36	109,3	90	176,5	55	55	1238	769	PLUG-16IFM	PLUG-16IFF



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO

COLOUR RED/ROSSO



MATERIAL PVC

80AS

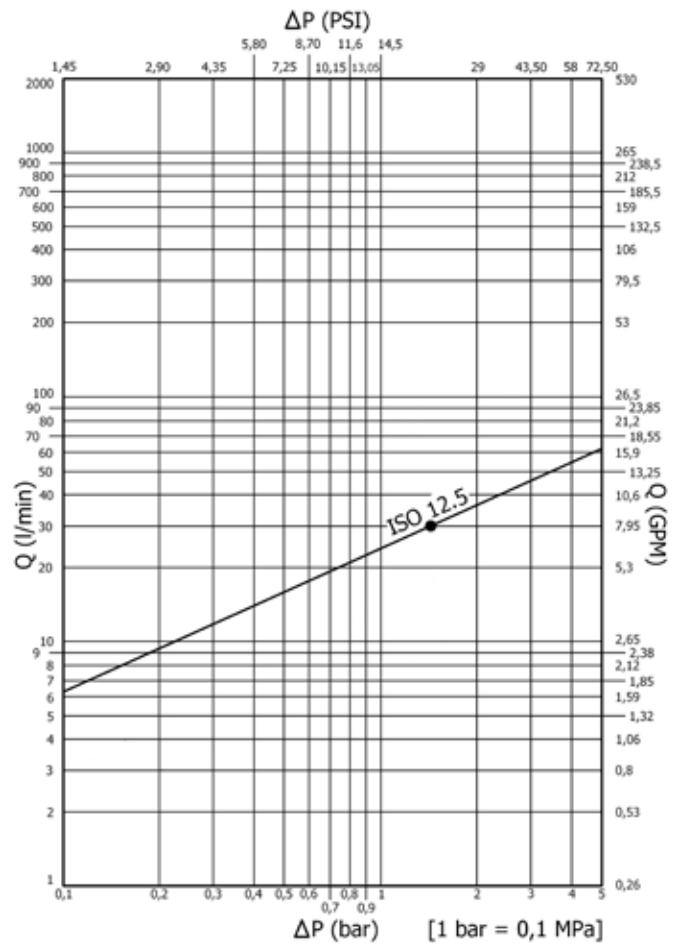
Ball quick-release couplings

APPLICATIONSONI:



Features:

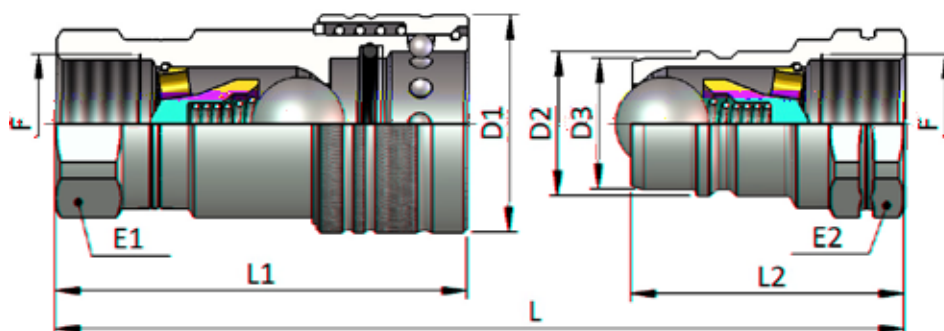
Interchangeability: with the main producers.
 Shut-off: ball system.
 Locking: radial balls.
 Material: steel.
 Finishing: Zn-Ir (CrIII).
 Thread: BSP-NPT-SAE.
 Standard seals: NBR.
 Operating temperature range: -25°C+100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 200-300 bar.
 Pressure connection: not allowed.



Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 12.5	8,9	20	30	55	80	95	130	1,9



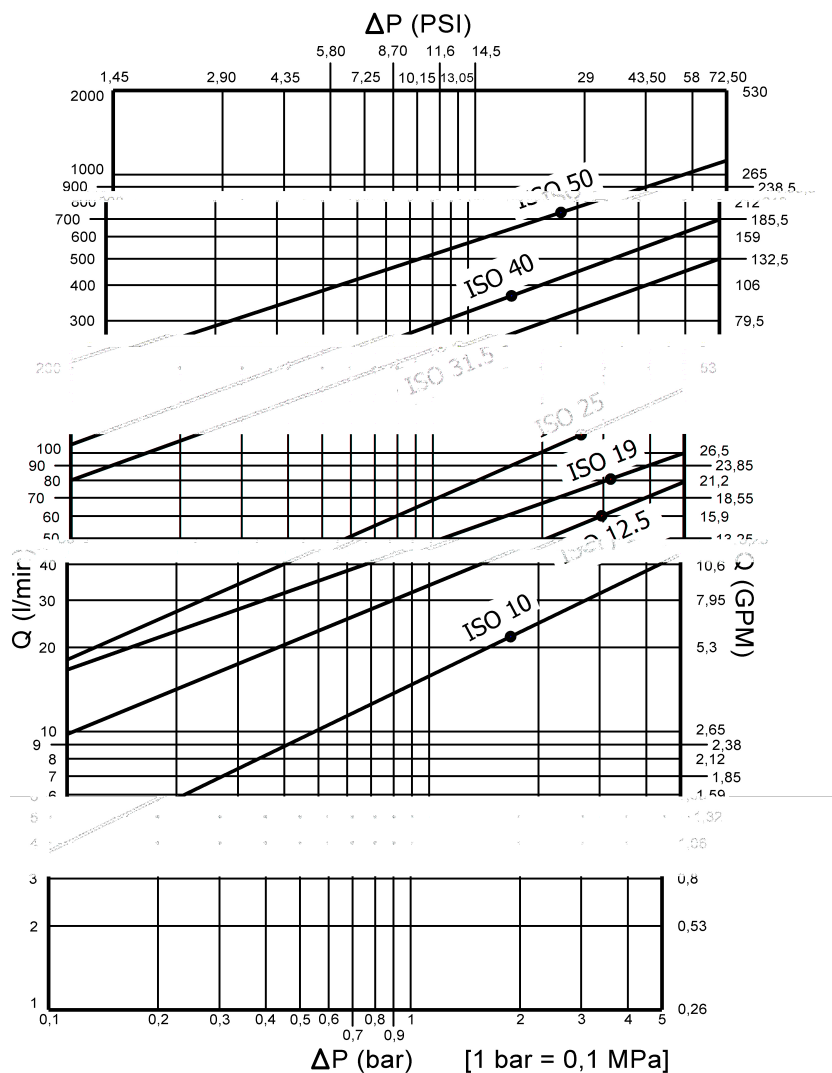
Nominal size ISO	Dimensions:													Plug		
	Part Number		Size	Thread	Dimensions								Weight		male	female
	Female	Male	dash	F	D1	D2	D3	L1	L2	L	E1	E2	female	male		
ISO 12.5	80AS0808GF	80AS0808GM	13	1/2"	38	23,75	20,55	70	48	96,5	27	27	273	101	PLUG-08AM	PLUG-08AF

APPLICATIONS:



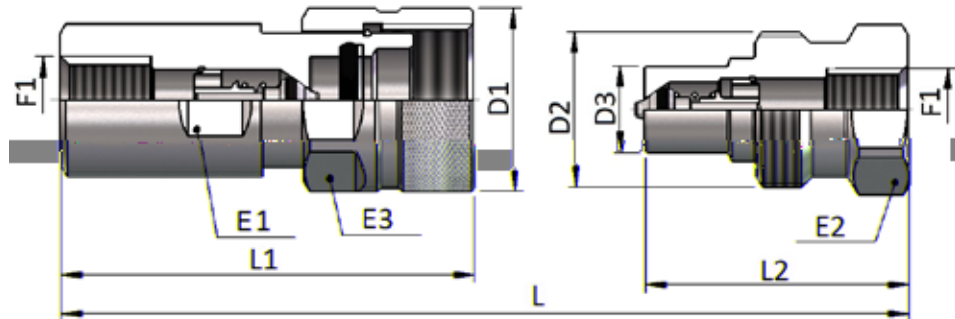
Features:

- Shut-off: valve system.
- Locking: screw.
- Material: steel.
- Finishing: Zn-Ir (Cr III).
- Thread: BSP-NPT.
- Standard seals: NBR.
- Operating temperature range: -25°C+100°C.
- Optional seals: FFKM, EPDM o altro.
- Working pressure: 210-650 bar.
- Pressure connection: allowed (male side or female side).
- Interchangeability: Faster VVS



Pressure drop

Technical Data:								
Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 10	6.2	65	18	18	300	300	300	1.9
ISO 12.5	9	60	23	23	250	270	220	2.7
ISO 19	11	50	45	45	240	260	210	9.3
ISO 25	13.3	46	106	106	230		200	16
ISO 31.5	22.2	36	189	189	150	150	150	30
ISO 40	24.6		300	300	120			54
ISO 50	30	21	757	757	130	130	105	120



	Dimensions:														
Nominal size ISO	Part Number		Size		Dimensions									Weight	
	Female	Male	dash	F1	D1	D2	D3	L1	L2	L	E1	E2	E3	female	male
ISO 10	80VS0606GF	80VS0606GM	10	BSP 3/8"	40	1"1/4-8UN	19	76	48	90	27	32	36	344	155
ISO 10	80VS0606NF	80VS0606NM	10	NPTF 3/8"	40	1"1/4-8UN	19	76	48	90	27	32	36	346	157
ISO 12.5	80VS0808GF	80VS0808GM	13	BSP 1/2"	45	1"3/8-8UN	20,5	87	53	102	34	34	41	576	177
ISO 12.5	80VS0808NF	80VS0808NM	13	NPTF 1/2"	45	1"3/8-8UN	20,5	87	53	102	34	34	41	582	180
ISO 19	80VS1212GF	80VS1212GM	20	BSP 3/4"	55	1"3/4-6UN	27,9	106	63	121	41	46	50	988	364
ISO 19	80VS1212NF	80VS1212NM	20	NPTF 3/4"	55	1"3/4-6UN	27,9	106	63	121	41	46	50	997	373
ISO 25	80VS1616GF	80VS1616GM	25	BSP 1"	60	M52X4	31,2	123	72	139	50	50	55	1403	532
ISO 25	80VS1616NF	80VS1616NM	25	NPTF 1"	60	M52X4	31,2	123	72	139	50	50	55	1481	540
ISO 31.5	80VS2020GF	80VS2020GM	30	BSP 1"¾	80	M68X6	44	153	86	167	65	65	75	2870	1050
ISO 31.5	80VS2020NF	80VS2020NM	30	NPTF 1"¾	80	M68X6	44	153	86	167	65	65	75	2950	1092
ISO 40	80VS2424GF	80VS2424GM	39	BSP 1"½	98	M78X6	53,4	172	95	187	75	80	90	4440	1700
ISO 40	80VS2424NF	80VS2424NM	39	NPTF 1"½	98	M78X6	53,4	172	95	187	75	80	90	4470	1720
ISO 50	80VS3232GF	80VS3232GM	50	BSP 2"	129	M115X8	81,8	205	118	227	100	110	125	8670	4930
ISO 50	80VS3232NF	80VS3232NM	50	NPTF 2"	129	M115X8	81,8	205	118	227	100	110	125	8920	5070

X80VS

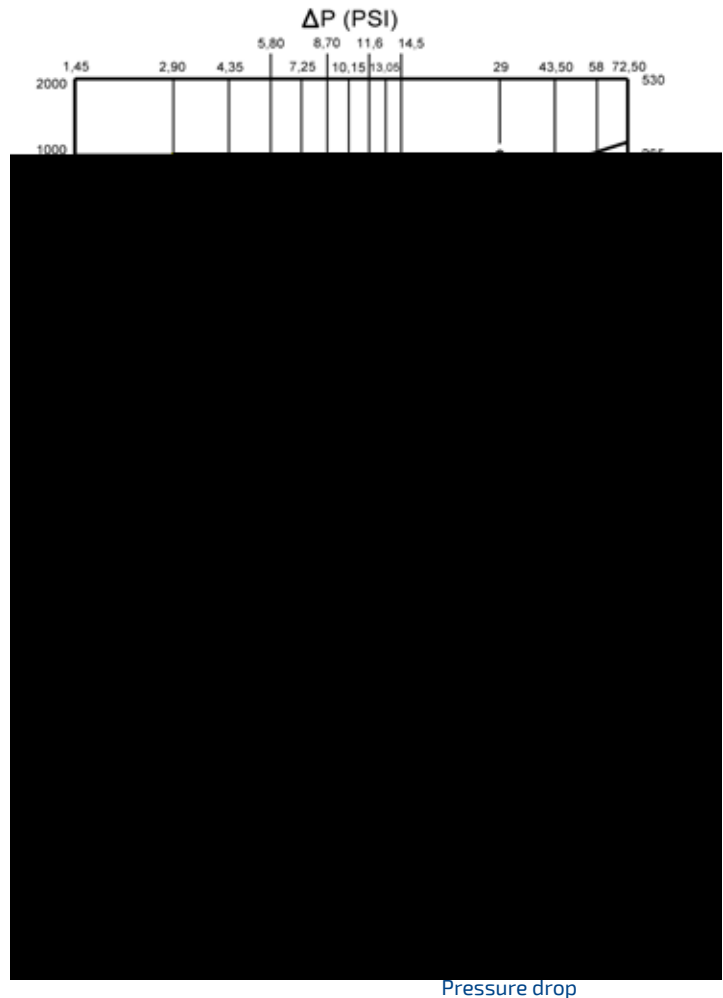
High pressure screw quick-release couplings

APPLICATIONS:



Features:

Shut-off: valve system.
 Locking: screw.
 Material: stainless steel AISI 316.
 Thread: BSP-NPT.
 Standard seals: FKM.
 Operating temperature range: -25°C+200°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 210-900 bar.
 Pressure connection: allowed (male side or female side).
 Interchangeability: Faster VVS.

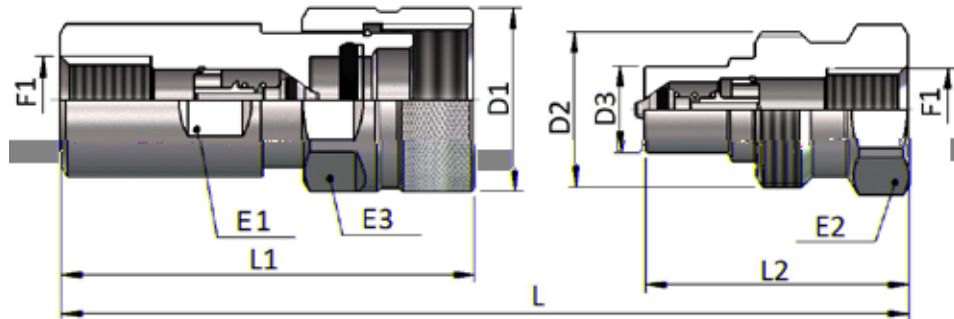


Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	4	90	6	6	370	380	370	0.5
ISO 10	6.2	65	18	18	230	200	260	1.9
ISO 12.5	9	60	23	23	210	270	250	2.7
ISO 19	11	50	45	45		170	240	9.3
ISO 25	13.3	46	106	106	160	190	150	16
ISO 31.5	22.2	36	189	189	100	100	100	30
ISO 40	24.6		300	300	90	90	90	54
ISO 50	30	21	757	757	50	50	50	120

X80VS



	Dimensions:														
Nominal size ISO	Part Number		Size		Dimensions									Weight	
	Female	Male	dash	F1	D1	D2	D3	L1	L2	L	E1	E2	E3	female	male
ISO 6.3	X80VS0404GF	X80VS0404GM	6	BSP 1/4"	30	1"-12 UNF	14.2	68	43.2	84	22	25	27	197	88
ISO 6.3	X80VS0404NF	X80VS0404NM	6	NPT 1/4"	30	1"-12 UNF	14.2	68	43.2	84	22	25	27	198	89
ISO 10	X80VS0606GF	X80VS0606GM	10	BSP 3/8"	40	1.1/4"-8 UN	19	76	48	90	27	32	36	344	155
ISO 10	X80VS0606NF	X80VS0606NM	10	NPT 3/8"	40	1.1/4"-8 UN	19	76	48	90	27	32	36	346	157
ISO 12.5	X80VS0808GF	X80VS0808GM	13	BSP 1/2"	45	1.3/8"-8 UN	20.5	87	53	102	34	34	41	576	177
ISO 12.5	X80VS0808NF	X80VS0808NM	13	NPT 1/2"	45	1.3/8"-8 UN	20.5	87	53	102	34	34	41	582	180
ISO 19	X80VS1212GF	X80VS1212GM	20	BSP 3/4"	55	1.3/4"-6 UN	27.9	106	63	121	41	46	50	988	364
ISO 19	X80VS1212NF	X80VS1212NM	20	NPT 3/4"	55	1.3/4"-6 UN	27.9	106	63	121	41	46	50	997	373
ISO 25	X80VS1616GF	X80VS1616GM	25	BSP 1"	60	M52X4	31.2	123	72	139	50	50	55	1465	524
ISO 25	X80VS1616NF	X80VS1616NM	25	NPT 1"	60	M52X4	31.2	123	72	139	50	50	55	1481	540
ISO 31.5	X80VS2020GF	X80VS2020GM	30	BSP 1 3/4"	80	M68X6	44	153	85	167	65	65	75	2933	1074
ISO 31.5	X80VS2020NF	X80VS2020NM	30	NPT 1 3/4"	80	M68X6	44	153	85	167	65	65	75	2950	1092
ISO 40	X80VS2424GF	X80VS2424GM	39	BSP 1 1/2"	98	M78X6	53.4	172	95	187	75	80	90	4550	1734
ISO 40	X80VS2424NF	X80VS2424NM	39	NPT 1 1/2"	98	M78X6	53.4	172	95	187	75	80	90	4570	1730
ISO 50	X80VS3232GF	X80VS3232GM	50	BSP 2"	129	M115X8	81.8	205	118	227	100	110	125	8880	5030
ISO 50	X80VS3232NF	X80VS3232NM	50	NPT 2"	129	M115X8	81.8	205	118	227	100	110	125	8920	5070

80HP

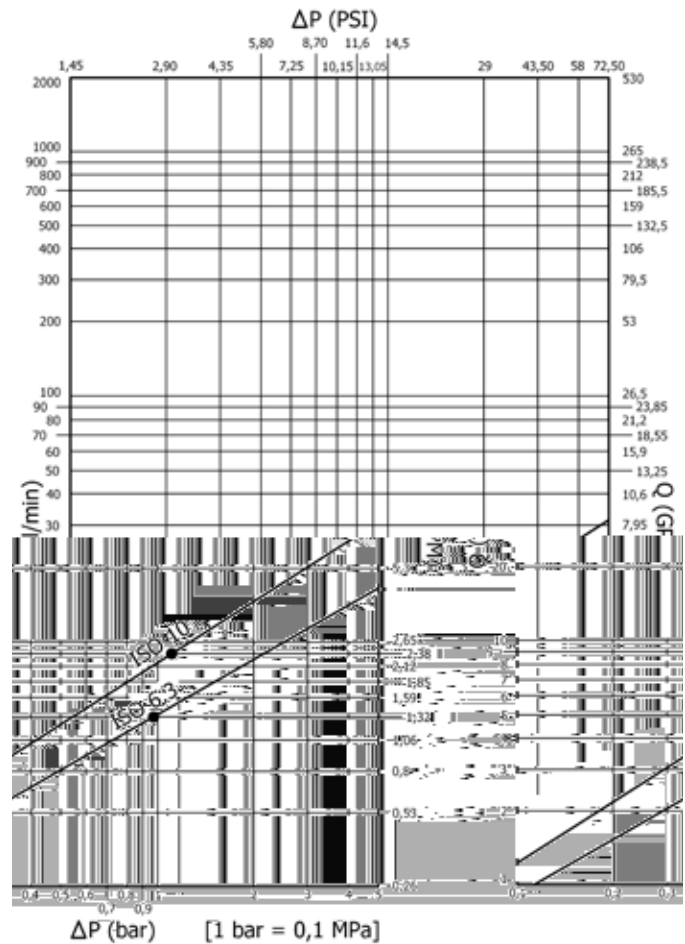
High pressure screw quick-release couplings

APPLICATIONS:



Features:

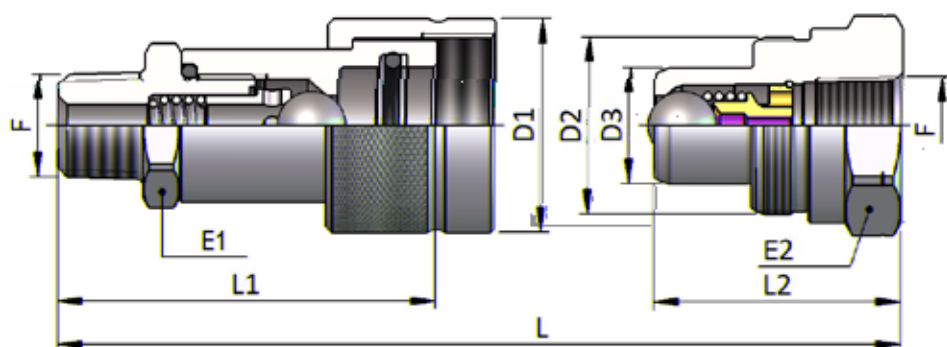
Standard: ISO 14540.
 Shut-off: ball system.
 Locking: screw.
 Material: steel.
 Finishing: Zn-Ir (Cr III).
 Thread: BSP-NPT.
 Standard seals: NBR.
 Operating temperature range: -25°C +100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 700 bar.
 Pressure connection: allowed (male side or female side).
 Maximum residual pressure: 100 bar



Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	3.7	70	5	10	150	200	220	0.2
ISO 10	4.8	70	9	20	150	200	220	0.6
ISO 10	4.8	70	9	20	150	200	220	0.6



Dimensions:														
Nominal size ISO	Part Number		Size	Thread	Dimensions								Weight	
	Female	Male	dash	F	D1	D2	D3	L1	L2	L	E1	E2	female	male
ISO 6.3	80HP0404NF	80HP0404NM	3.7	NPT 1/4"	30	1"-18 UNS	15.9	56	39	83.9	24	30	162	87
ISO 10	80HP0604NF	80HP0604NM	4.8	NPT 3/8"	35	1.3/16"- 16 UN	19	64.5	40.5	89.4	24	32	219	165
ISO 10	80HP0606NF	80HP0606NM	4.8	NPT 3/8"	35	1.3/16" UN	19	66	40.5	90.9	24	32	250	145

80PV

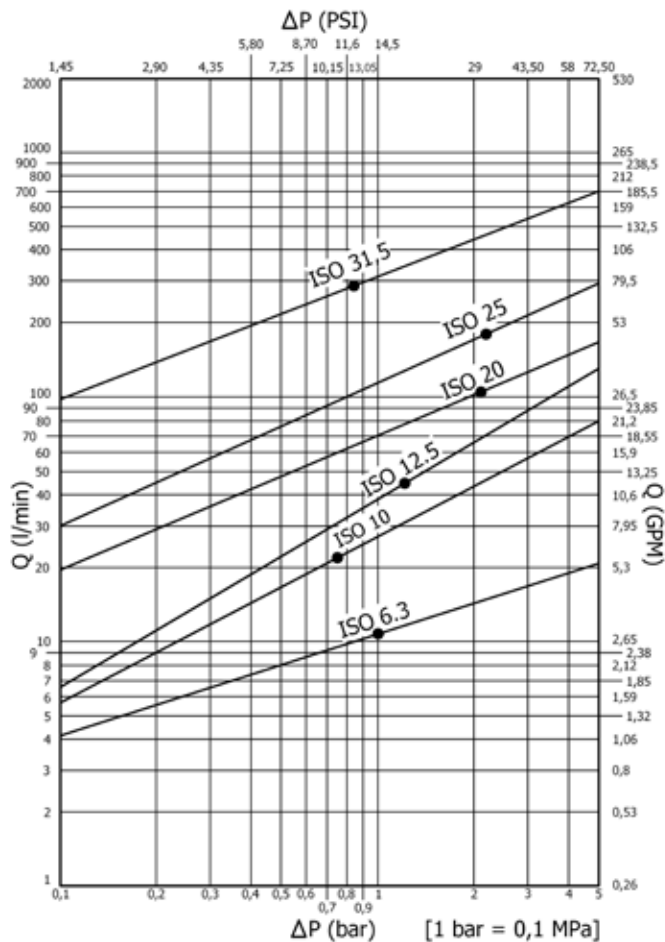
ISO 14541 screw quick-release couplings

APPLICATIONS:



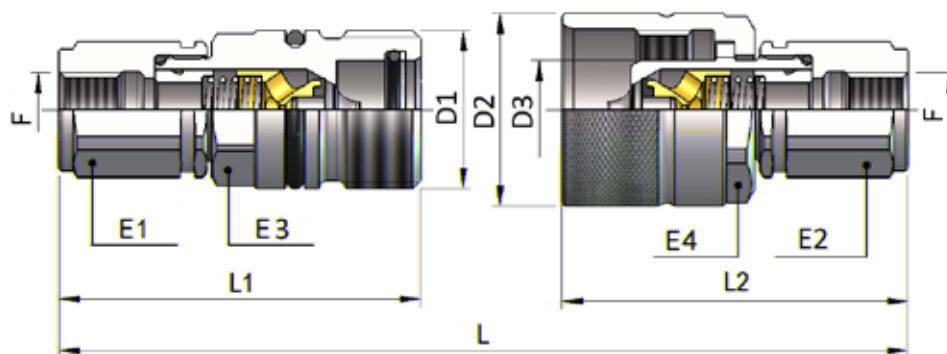
Features:

Standard: ISO 14541.
 Shut-off: valve system.
 Locking: screw.
 Material: steel.
 Finishing: Zn-Ir (Cr III).
 Thread: BSP-NPT-SAE-METRIC.
 Standard seals: NBR.
 Operating temperature range: -25°C +100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 300-450 bar.
 Maximum residual pressure: working pressure.
 Pressure connection: allowed (male side or female side).



Pressure drop

Technical Data:								
Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	5	45	12	17	190	270	250	0,8
ISO 10	8,5	40	23	46	130	150	180	1,9
ISO 12.5 (T)	10,5		45	90	120			2,7
ISO 19 (T)	15,7	30	106	190	100	130	140	9,3
ISO 25 (T)	17,3		189	280				16
ISO 31.5 (T)	29,6		288	480			100	30



	Dimensions:																Plug	
Nominal size ISO	Part Number		Size	Thread	Dimensions										Weight		male	female
	Female	Male	dash	F	D1	D2	D3	L1	L2	L	E1	E2	E3	E4	female	male		
ISO 6.3	80PV0404GF	80PV0404GM	6	1/4"	M24X2	35	12,9	59	58	92	19	19		27	126	177	PLUG-04VM	PLUG-04VF
ISO 10	80PV0606GF	80PV0606GM	10	3/8"	M28X2	34	17,5	64	61,2	98,3	22	22	24	30	157	162	PLUG-06VF	PLUG-06VF
ISO 12.5 (T)	80PV0808GF	80PV0808GM	13	1/2"	M36X2	42	22	67	64,5	103,5	30	30	36	36	312	267	PLUG-08VF	PLUG-08VF
ISO 19 (T)	80PV1212GF	80PV1212GM	20	3/4"	M42X2	47,5	28	85,5	78,5	132,5	36	36	36	41	477	420	PLUG-12VM	PLUG-12VF
ISO 25 (T)	80PV1616GF	80PV1616GM	25	1"	M48X3	55	35	100	87,5	152,5	41	41	50	50	782	641	PLUG-12VM	PLUG-16VF
ISO 31.5 (T)	80PV2020GF	80PV2020GM	30	1.1/4"	M70X3	85	53,9	119,2	114,5	186,5	55	55	70	80	1876	2264	PLUG-20VM	PLUG-20VF



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO

COLOUR RED



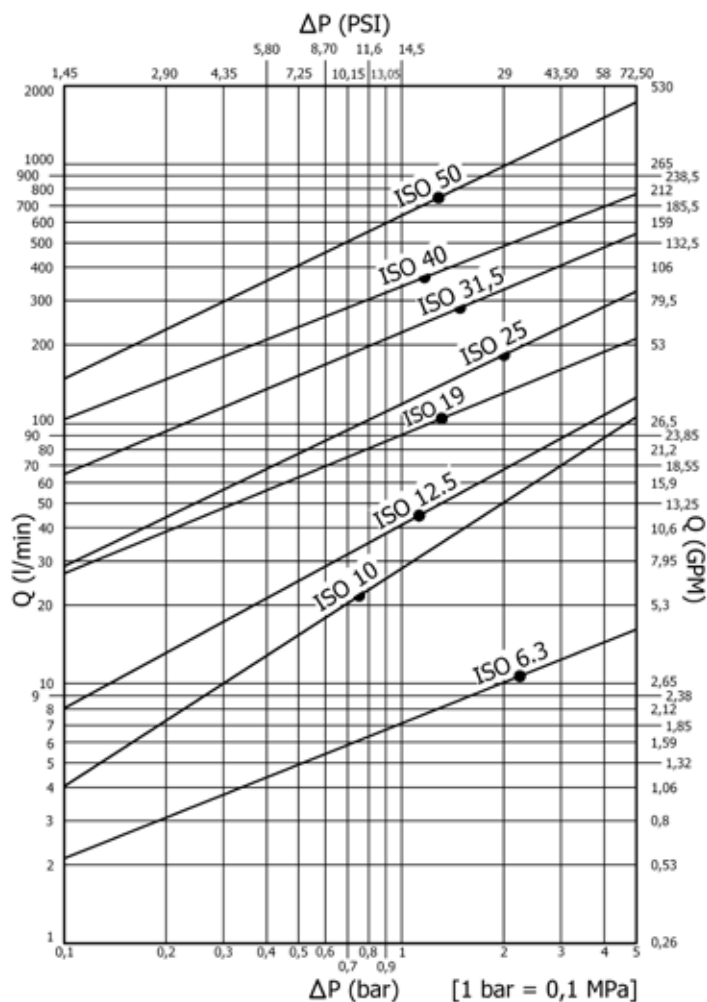
MATERIAL PVC

APPLICATIONS:



Features:

- Standard: ISO 7241-1 A.
- Shut-off: valve system.
- Locking: radial balls.
- Material: steel.
- Finishing: Zn-Ir (Cr III).
- Thread: BSP-NPT-RC-SAE.
- Standard seals: NBR.
- Operating temperature range: -25°C+100°C.
- Optional seals: FFKM, EPDM o altro.
- Working pressure: 160-350 bar.
- Pressure connection: not allowed.

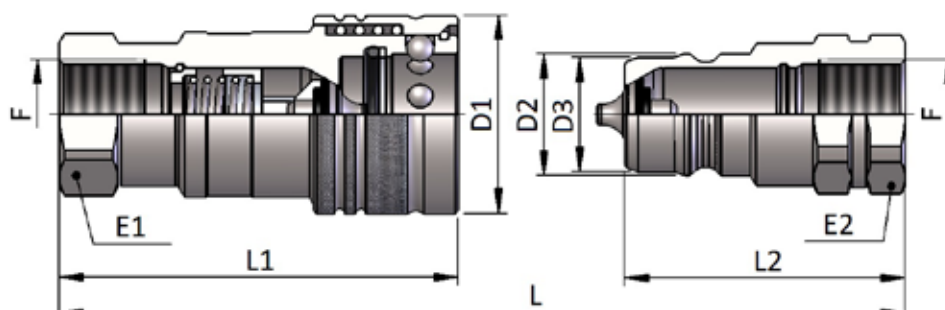


Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	5	35	12	17	150	170	140	0,5
ISO 10	8,5		23	46	140	150	150	1,9
ISO 12.5	10,5	25	45	90	100	140	120	2,7
ISO 19	15,8		106	190	90	150		9,3
ISO 25	17,3	20	189	280	130	100	100	16
ISO 31.5	22,8		288	480	110	85		30
ISO 40	29,9		379	757	80	80	82	54
ISO 50	37,7	16	757	1000	65	96	100	120

80AV



Nominal size ISO	Dimensions:														Plug	
	Part Number		Size	Thread	Dimensions								Weight		male	female
	Female	Male	dash	F	D1	D2	D3	L1	L2	L	E1	E2	female	male		
ISO 6.3	80AV0404GF	80AV0404GM	6	1/4"	26	13	11,85	49,2	35	70,5	19	19	106	37	PLUG-04AM	PLUG-04AF
ISO 10	80AV0606GF	80AV0606GM	10	3/8"	30	18,4	17,3	60,5	42,5	85	22	22	155	59	PLUG-06AM	PLUG-06AF
ISO 12.5	80AV0808GF	80AV0808GM	13	1/2"	38	23,75	20,55	70	48	96,5	27	27	268	97	PLUG-08AM	PLUG-08AF
ISO 19	80AV1212GF	80AV1212GM	20	3/4"	45	30,5	29,1	84,3	57	114,5	34	34	428	180	PLUG-12AM	PLUG-12AF
ISO 25	80AV1616GF	80AV1616GM	25	1"	52	36,6	34,35	101	67,5	135,5	41	41	700	304	PLUG-16AM	PLUG-16AF
ISO 31.5	80AV2020GF	80AV2020GM	30	1.1/4"	70	47,8	45	116,9	75	150,6	50	50	1515	559	***	***
ISO 40	80AV2424GF	80AV2424GM	39	1.1/2"	82	57,6	55	133	83,5	167,7	60	60	2445	918	***	***
ISO 50	80AV3232GF	80AV3232GM	50	2"	99	70	65,1	169	108	217	75	75	5000	1804	***	***



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO



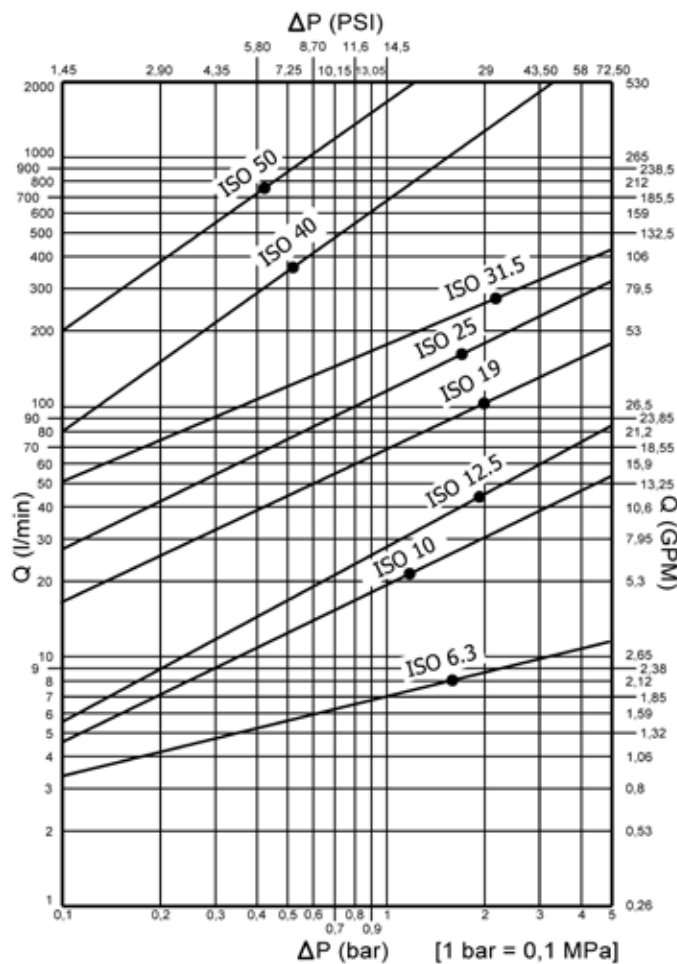
X80AV Quick-release couplings ISO 7241-1 Part A/AISI 316

APPLICATIONS:



Features:

Standard: ISO 7241-1 A.
 Shut-off: valve system.
 Locking: radial balls.
 Material: stainless steel AISI 316.
 Thread: BSP-NPT.
 Standard seals: FKM.
 Operating temperature range: -25°C+200°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 60-450 bar.
 Pressure connection: not allowed.

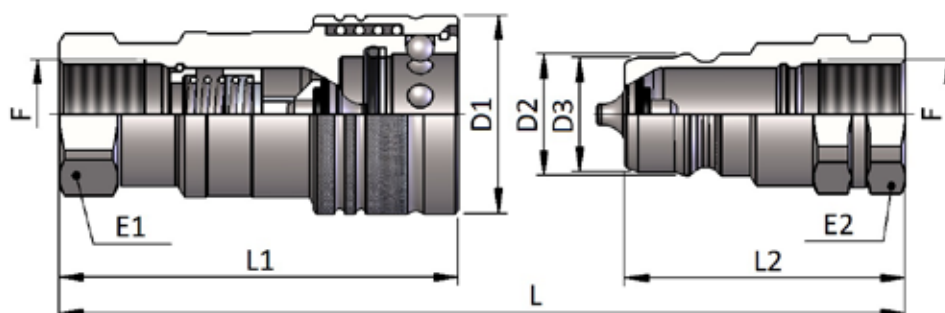


Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 6.3	5	45	12	17	320	290	290	0,5
ISO 10	8,5	30	23	46	125	125	130	1,9
ISO 12.5	10,5		45	90	120	120	135	2,7
ISO 19	15,8	25	106	190	80	100	110	9,3
ISO 25	17,3	20	189	280	60	65	85	19
ISO 31.5	22,8	10	288	480	40	40	40	30
ISO 40	29,9	8	379	700	32	32	32	54
ISO 50	37,7	6	757	1000	25	25	25	120

X80AV



	Dimensions:														Plug	
Nominal size ISO	Part Number		Size	Thread	Dimensions								Weight		male	female
	Female	Male	dash	F	D1	D2	D3	L1	L2	L	E1	E2	female	male		
ISO 6.3	X80AV0404GF	X80AV0404GM	6	1/4"	26	13	11,85	50,5	35,5	71,5	19	19	119	38	PLUG-04AM	PLUG-04AF
ISO 10	X80AV0606GF	X80AV0606GM	10	3/8"	30	18,4	17,3	58,5	40,5	82	22	22	157	59	PLUG-06AM	PLUG-06AF
ISO 12.5	X80AV0808GF	X80AV0808GM	13	1/2"	37,9	23,75	20,55	68	46	92	27	27	295	97	PLUG-08AM	PLUG-08AF
ISO 19	X80AV1212GF	X80AV1212GM	20	3/4"	45	30,5	29,1	84,3	57	120,5	34	34	510	165	PLUG-12AM	PLUG-12AF
ISO 25	X80AV1616GF	X80AV1616GM	25	1"	52	36,6	34,35	97	63,5	127	41	41	636	285	PLUG-16AM	PLUG-16AF
ISO 31.5	X80AV2020GF	X80AV2020GM	30	1.1/4"	70	47,8	45	115	69	150	50	50	1470	480	***	***
ISO 40	X80AV2424GF	X80AV2424GM	39	1.1/2"	80,5	57,6	55	123	73	146	60	60	1980	738	***	***
ISO 50	X80AV3232GF	X80AV3232GM	50	2"	102	70	65,1	147	90	180	70	70	3490	1168	***	***



MALE PLUG FOR FEMALE QUICK COUPLING
TAPPO MASCHIO PER INNESTO RAPIDO FEMMINA



FEMALE PLUG FOR MALE QUICK COUPLING
TAPPO FEMMINA PER INNESTO RAPIDO MASCHIO



80BV

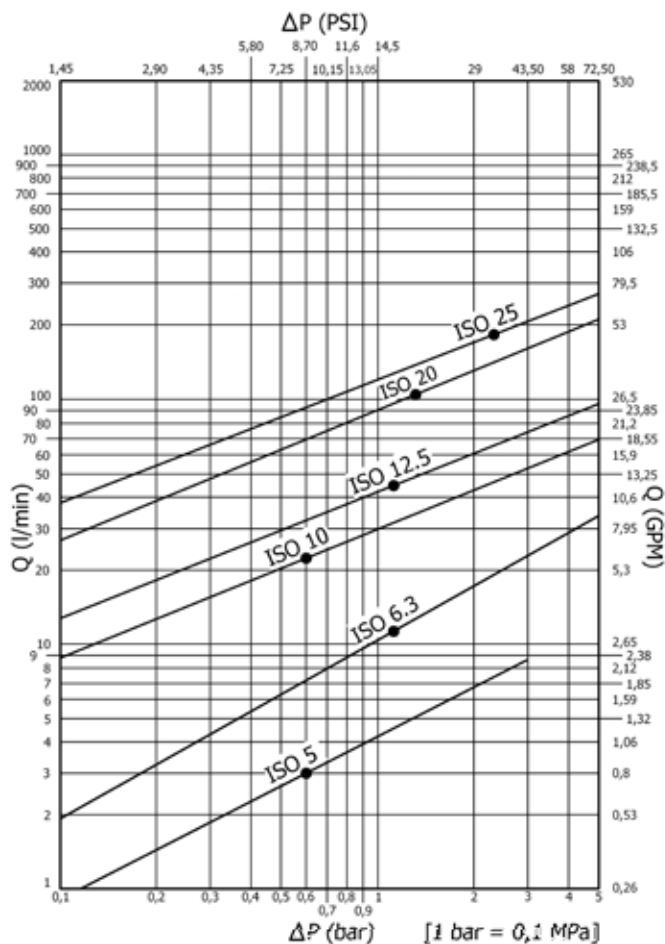
Quick-release couplings ISO 7241-1 Part B

APPLICATIONS:



Features:

Standard: ISO 7241-1 B.
 Shut-off: valve system.
 Locking: radial balls.
 Material: steel.
 Finishing: Zn-Ir (Cr III).
 Thread: BSP-NPT.
 Standard seals: NBR.
 Operating temperature range: -25°C+100°C.
 Optional seals: FFKM, EPDM o altro.
 Working pressure: 100-500 bar.
 Pressure connection: not allowed.



Pressure drop

Technical Data:

Nominal size		Max working pressure	Rated flow	Max flow rate	Min burst pressure			Fluid spillage
ISO	mm				male	female	coupled	
		MPa	l/min	l/min	MPa	MPa	MPa	cc
ISO 5	4,2	50	3	9	240	230	270	0,5
ISO 6.3	6,5	25	12	24	110	180	100	1
ISO 10	8,5		23	46	140	140	130	2,4
ISO 12.5	10,5		45	90	110		110	3,9
ISO 20	15,8		106	220	100	130	120	11
ISO 25	17,3		189	260		110	100	19