



STAUFF Quick Release Couplings

Push-to-connect and screw-to-connect couplings
for connecting and disconnecting fluid media

Product Catalogue

Version
10/2025



Product Description

Flat Face Push-to-Connect Couplings of the FF Series from STAUFF consist of a male tip and a female body and are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed in the following nominal sizes 06, 10, 12, 16, 19, 25, 38 (1/4" - 1 1/2") and can be connected under pressure with male tips of the FC series.

Features

- Flat Face
- Coupling made from carbon steel with Zinc/Nickel surface coating
- ISO Interchange acc. to ISO 16028
- Maximum working pressure up to 400 bar (5802 PSI)
- Can be connected by hand while having a residual pressure up to 250 bar (3626 PSI) on the male side in combination with Male Tips of the QRC-FC Series
- Powerful flow characteristics with minimal pressure drop
- Heavy internal components
- Integrated locking system preventing unintentional release of the coupling
- Wide knurled bands on female body for easy gripping

Applications

	Agricultural and Forestry Machinery		Construction Machinery		Industrial Hydraulic
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Top Features

	Zinc/Nickel coating		Designed for secure connection
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Series FF - Carbon Steel

FF

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating and Thick-Film-Passivation (Chrome III) only FH/FU 51
Standard Seal Material(s)	NBR (Buna-N®), PTFE, PU ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed, (Male Tip Series FU up to the max. Working Pressure allowed)
Application	Construction Machinery, Industrial Hydraulic
ISO Interchange	ISO 16028



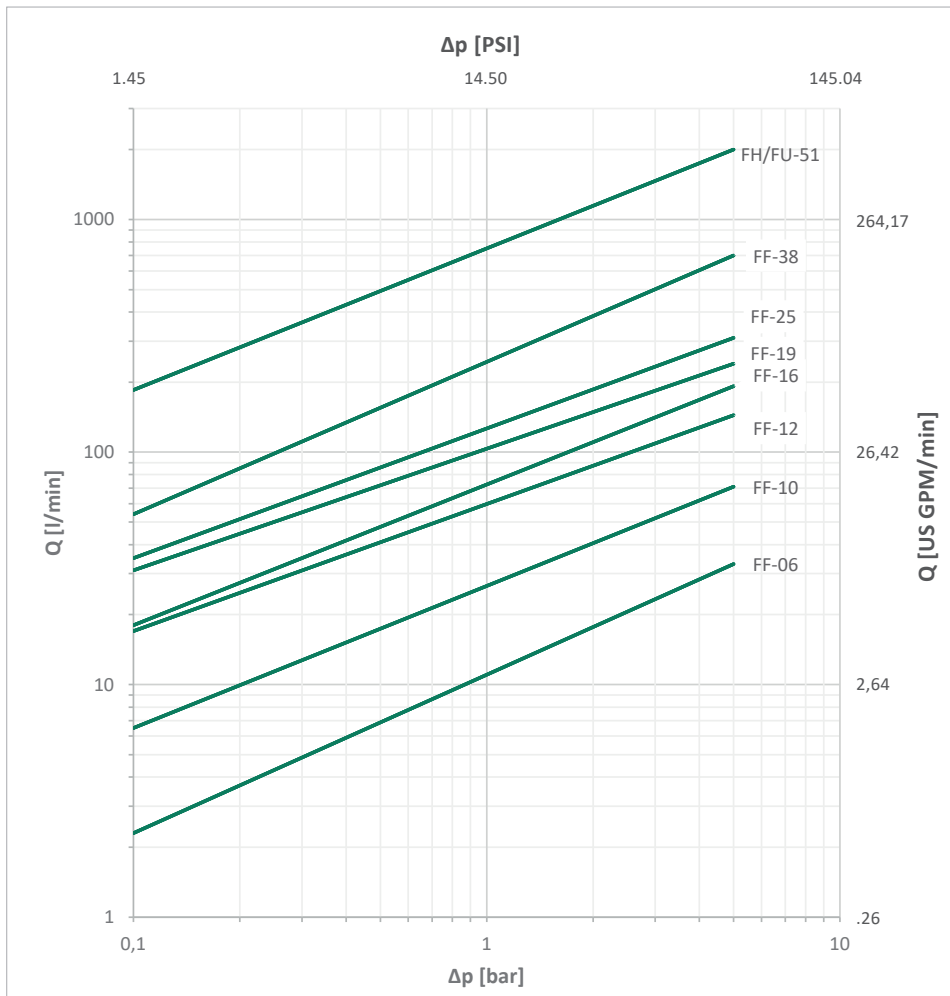
²Alternative seal materials are available on request.

Technical Data

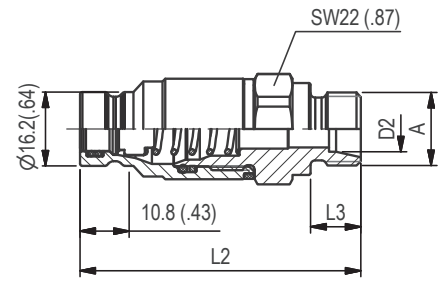
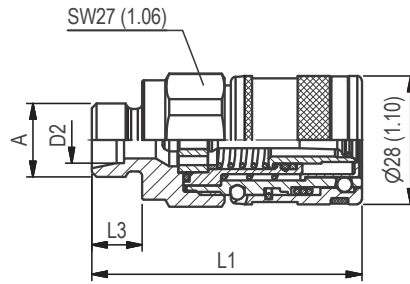
Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure*		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FF-06	1	1/4"	6,3	24	6,34	400	5802	1400	20305	1220	17694	2000	29008	0,01	.0003
FF-10	2	3/8"	10	46	12,15	350	5076	1100	15954	1100	15954	1500	21756	0,015	.0005
FF-12	3	1/2"	12,5	90	23,78	350	5076	1400	20305	1050	15229	1500	21756	0,02	.0007
FF-16	4A	5/8"	16	148	39,10	350	5076	1600	23206	1200	17405	1200	17405	0,02	.0007
FF-19	4	3/4"	19	212	56,00	350	5076	1200	17405	1100	15954	1300	18855	0,032	.0011
FF-25	5	1"	25	378	99,86	260	3771	1200	17405	820	11893	1040	15084	0,03	.0010
FF-38	6	1 1/2"	38	684	180,69	300	4351	1100	15954	1150	16679	150	2176	0,155	.0052
FH-51	7	2"	51	1000	264,17	150	2176	650	9427	650	9427	700	10153	0,1	.0034

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



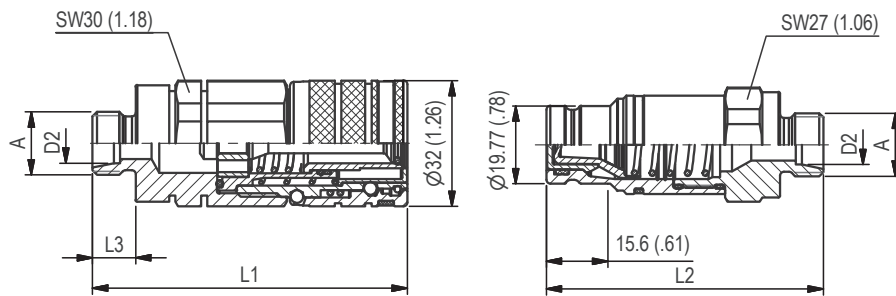
SW: Width across flats. All dimensions in mm (inch).

FF
Series FF-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1/4"	55 2.17	54 2.13		12 .47	QRC-FF-06-F-G04-BT-W3	19,82 43.70	QRC-FF-06-M-G04-S1-W3	10,05 22.16
	NPTF 1/4"-18	55 2.17	54 2.13			QRC-FF-06-F-NF04-BT-W3	19,93 43.94	QRC-FF-06-M-NF04-S1-W3	10,42 22.97
	UNF 9/16"-18	55 2.17	54,9 2.16		12,8 .50	QRC-FF-06-F-U06-BT-W3	19,36 42.68	QRC-FF-06-M-U06-S1-W3	10 22.05
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	58 2.28	60,2 2.37	10 .39	QRC-FF-06-F-08L-BT-W3	17,94 39.55	QRC-FF-06-M-08L-S1-W3	10,61 23.39
			M16x1,5	10L	59 2.32	61,2 2.41	11 .43	QRC-FF-06-F-10L-BT-W3	18,13 39.97
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	73 2.87	75,2 2.96	25 .98	QRC-FF-06-F-08LB-BT-W3	20,31 44.78	QRC-FF-06-M-08LB-S1-W3	13 28.66
			M16x1,5	10L	74 2.91	76,2 3.00	26 1.02	QRC-FF-06-F-10LB-BT-W3	21,1 46.52

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

FF

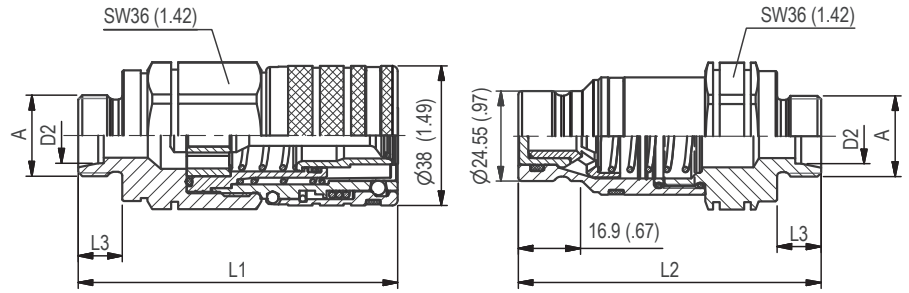


SW: Width across flats. All dimensions in mm (inch).

Series FF-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3-SAE J1926-1 - ISO 11926-1									
	G 3/8"	69	59,9		14	QRC-FF-10-F-G06-BT-W3	29,85 65.81	QRC-FF-10-M-G06-BP-W3	13,76 30.34
	G 1/2"	69	64,9		14	QRC-FF-10-F-G08-BT-W3	28,29 62.37	QRC-FF-10-M-G08-BP-W3	13,13 28.95
	NPTF 3/8"-18	70	62,9			QRC-FF-10-F-NF06-BT-W3	30,55 67.35	QRC-FF-10-M-NF06-BP-W3	15,02 33.11
	NPTF 1/2"-14	70	62,9			QRC-FF-10-F-NF08-BT-W3	29,29 64.57	QRC-FF-10-M-NF08-BP-W3	13,71 30.23
	UNF 3/4"-16	69	63,9		14	QRC-FF-10-F-U08-BT-W3	28,88 63.67	QRC-FF-10-M-U08-BP-W3	14,15 31.20
			2.72	2.36		.55			
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M16x1,5	10L	80,2 3.16	70,4 2.77	11 .43	QRC-FF-10-F-10L-BT-W3	31,33 69.07	QRC-FF-10-M-10L-BP-W3	15,65 34.50
	M18x1,5	12L	80,2 3.16	70,4 2.77	11 .43	QRC-FF-10-F-12L-BT-W3	31,37 69.16	QRC-FF-10-M-12L-BP-W3	15,62 34.44
	M22x1,5	15L	81 3.19	71,4 2.81	12 .47	QRC-FF-10-F-15L-BT-W3	32 70.55	QRC-FF-10-M-15L-BP-W3	16,09 35.47
	M20x1,5	12S	81 3.19	70,4 2.77	12 .47	QRC-FF-10-F-12S-BT-W3	30,9 68.12	QRC-FF-10-M-12S-BP-W3	16,12 35.54
	M24x1,5	16S	83 3.27	73,4 2.89	14 .55	QRC-FF-10-F-16S-BT-W3	31,6 69.67	QRC-FF-10-M-16S-BP-W3	15,9 35.05
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M16x1,5	10L	86,8 3.42	85,4 3.36	26 1.02	QRC-FF-10-F-10LB-BT-W3	31,11 68.59	QRC-FF-10-M-10LB-BP-W3	18,6 41.01
	M18x1,5	12L	86,8 3.42	85,4 3.36	26 1.02	QRC-FF-10-F-12LB-BT-W3	31,61 69.69	QRC-FF-10-M-12LB-BP-W3	19,0 41.89
	M22x1,5	15L	87,8 3.46	86,4 3.40	27 1.06	QRC-FF-10-F-15LB-BT-W3	33,86 74.65	QRC-FF-10-M-15LB-BP-W3	21,13 46.58
	M20x1,5	12S	87,8 3.46	86,4 3.40	27 1.06	QRC-FF-10-F-12SB-BT-W3	33,9 74.74	QRC-FF-10-M-12SB-BP-W3	21,13 46.58
	M24x1,5	16S	89,8 3.54	88,4 3.48	29 1.14	QRC-FF-10-F-16SB-BT-W3	36,44 80.34	QRC-FF-10-M-16SB-BP-W3	25,1 55.34

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



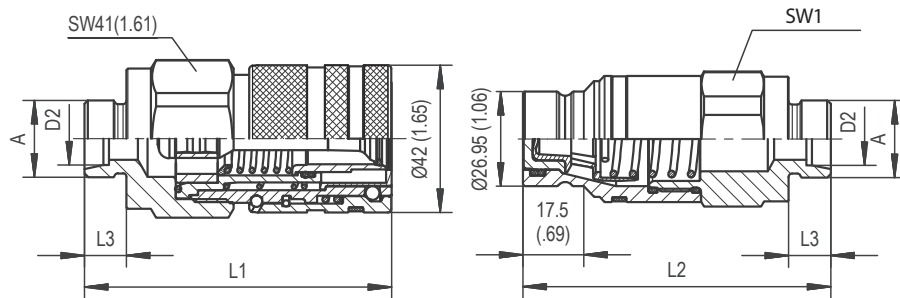
SW: Width across flats. All dimensions in mm (inch).

Series FF-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3- SAE J1926-1 - ISO 11926-1									
	G 1/2"	84 3.31	71 2.80		14 .55	QRC-FF-12-F-G08-BT-W3	51,61 113.78	QRC-FF-12-M-G08-BP-W3	28,55 62.94
	G 3/4"	84 3.31	72 2.83		16,5 .65	QRC-FF-12-F-G12-BT-W3	48,26 106.40	QRC-FF-12-M-G12-BP-W3	26,67 58.80
	NPTF 1/2"-14	84 3.31	71 2.80			QRC-FF-12-F-NF08-BT-W3	51,98 114.60	QRC-FF-12-M-NF08-BP-W3	29,03 64.00
	NPTF 3/4"-14	84 3.31	72 2.83			QRC-FF-12-F-NF12-BT-W3	49,35 108.80	QRC-FF-12-M-NF12-BP-W3	27,06 59.66
	UNF 3/4"-16	84 3.31	72 2.83		16 .63	QRC-FF-12-F-U08-BT-W3	52,05 114.75	QRC-FF-12-M-U08-BP-W3	29,79 65.68
	UNF 7/8"-14	84 3.31	72 2.83		16,7 .66	QRC-FF-12-F-U10-BT-W3	50,62 111.60	QRC-FF-12-M-U10-BP-W3	28,32 62.43
	UN 1" 1/16-12	84 3.31	76 2.99		19 .75	QRC-FF-12-F-U12-BT-W3	47,25 104.17	QRC-FF-12-M-U12-BP-W3	27,52 60.67
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861								
	M18x1,5	12L	86,4 3.40	81,5 3.21	11 .43	QRC-FF-12-F-12L-BT-W3	49,08 108.20	QRC-FF-12-M-12L-BP-W3	30,67 67.62
	M22x1,5	15L	87,4 3.44	82,5 3.25	12 .47	QRC-FF-12-F-15L-BT-W3	49,67 109.50	QRC-FF-12-M-15L-BP-W3	31,31 69.03
	M26x1,5	18L	87,4 3.44	82,5 3.25	12 .47	QRC-FF-12-F-18L-BT-W3	49,93 110.08	QRC-FF-12-M-18L-BP-W3	31,69 69.86
	M30x2	22L	89,4 3.52	84,5 3.33	14 .55	QRC-FF-12-F-22L-BT-W3	49,89 109.99	QRC-FF-12-M-22L-BP-W3	29,1 64.15
	M24x1,5	16S	89,4 3.52	84,5 3.33	14 .55	QRC-FF-12-F-16S-BT-W3	50,62 111.60	QRC-FF-12-M-16S-BP-W3	29,3 64.60
	M30x2	20S	91,4 3.60	86,5 3.41	16 .63	QRC-FF-12-F-20S-BT-W3	51,9 114.42	QRC-FF-12-M-20S-BP-W3	33,73 74.36
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M18x1,5	12L	91,5 3.60	94 3.70	26 1.02	QRC-FF-12-F-12LB-BT-W3	45,36 100.00	QRC-FF-12-M-12LB-BP-W3	32,32 71.25
	M22x1,5	15L	92,5 3.64	95 3.74	27 1.06	QRC-FF-12-F-15LB-BT-W3	47,72 105.20	QRC-FF-12-M-15LB-BP-W3	34,67 76.43
	M26x1,5	18L	92,5 3.64	95 3.74	27 1.06	QRC-FF-12-F-18LB-BT-W3	50,9 112.22	QRC-FF-12-M-18LB-BP-W3	37,87 83.49
	M30x2	22L	99,5 3.92	102 4.02	34 1.34	QRC-FF-12-F-22LB-BT-W3	54,78 120.77	QRC-FF-12-M-22LB-BP-W3	41,9 92.37
	M24x1,5	16S	94,5 3.72	97 3.82	29 1.14	QRC-FF-12-F-16SB-BT-W3	49,75 109.68	QRC-FF-12-M-16SB-BP-W3	37,25 82.12
	M30x2	20S	101,5 4.00	104 4.09	36 1.42	QRC-FF-12-F-20SB-BT-W3	57,59 126.96	QRC-FF-12-M-20SB-BP-W3	44,68 98.50

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

FF

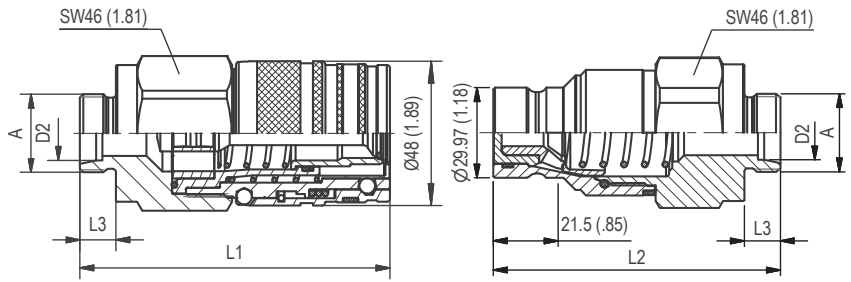


SW: Width across flats. All dimensions in mm (inch).

Series FF-16 ▪ BG 4A ▪ Nominal Size 16

Port A	Dimensions (mm/in)						Female Body	Weight (kg/lbs) ca. per 100	Male Tip	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4	SW1	Ordering Codes		Ordering Codes	
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1										
	G 3/4"	87,7 3.45	73 2.87		18 .71	36 1.42	QRC-FF-16-F-G12-BT-W3	67,44 148.68	QRC-FF-16-M-G12-BP-W3	31,05 68.45
	G 1"	89,7 3.53	80,3 3.16		20 .79	41 1.61	QRC-FF-16-F-G16-BT-W3	63,88 140.83	QRC-FF-16-M-G16-BP-W3	37,71 83.14
	NPTF 3/4"-14	87,7 3.45	76 2.99			36 1.42	QRC-FF-16-F-NF12-BT-W3	68,3 150.58	QRC-FF-16-M-NF12-BP-W3	33,73 74.36
	UN 1" 1/16-12	87,7 3.45	78 3.07		19 .75	36 1.42	QRC-FF-16-F-U12-BT-W3	66,19 145.92	QRC-FF-16-M-U12-BP-W3	33,14 73.06
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M22x1,5	15L	87 3.43	88 3.46	12 .47	36 1.42	QRC-FF-16-F-15L-BT-W3	60,80 134.04	QRC-FF-16-M-15L-BP-W3	36,60 80.69
	M26x1,5	18L	87 3.43	88 3.46	12 .47	36 1.42	QRC-FF-16-F-18L-BT-W3	61,3 135.14	QRC-FF-16-M-18L-BP-W3	38,82 85.58
	M30x2	22L	89,7 3.53	90 3.54	14 .55	36 1.42	QRC-FF-16-F-22L-BT-W3	62,54 137.88	QRC-FF-16-M-22L-BP-W3	39,25 86.53
	M24x1,5	16S	89 3.50	90 3.54	14 .55	36 1.42	QRC-FF-16-F-16S-BT-W3	61,80 136.25	QRC-FF-16-M-16S-BP-W3	37,4 82.45
	M30x2	20S	91 3.58	92 3.62	16 .63	36 1.42	QRC-FF-16-F-20S-BT-W3	63,30 139.55	QRC-FF-16-M-20S-BP-W3	43,9 96.78
	M36x2	25S	93 3.66	94 3.70	18 .71	41 1.61	QRC-FF-16-F-25S-BT-W3	65,60 144.62	QRC-FF-16-M-25S-BP-W3	47,2 104.06
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M22x1,5	15L	102 4.02	103 4.06	27 1.06	36 1.42	QRC-FF-16-F-15LB-BT-W3	63,6 140.21	QRC-FF-16-M-15LB-BP-W3	39,5 87.08
	M26x1,5	18L	102,7 4.04	103 4.06	27 1.06	36 1.42	QRC-FF-16-F-18LB-BT-W3	69,77 153.82	QRC-FF-16-M-18LB-BP-W3	46,56 102.65
	M30x2	22L	109 4.29	110 4.33	34 1.34	36 1.42	QRC-FF-16-F-22LB-BT-W3	68,1 150.14	QRC-FF-16-M-22LB-BP-W3	43,9 96.78
	M24x1,5	16S	104 4.09	105 4.13	29 1.14	36 1.42	QRC-FF-16-F-16SB-BT-W3	65,4 144.18	QRC-FF-16-M-16SB-BP-W3	41,4 91.27
	M30x2	20S	111 4.37	112 4.41	36 1.42	36 1.42	QRC-FF-16-F-20SB-BT-W3	71 156.53	QRC-FF-16-M-20SB-BP-W3	46,9 103.4
	M36x2	25S	113 4.45	114 4.49	38 1.50	41 1.61	QRC-FF-16-F-25SB-BT-W3	76,2 167.99	QRC-FF-16-M-25SB-BP-W3	58,2 128.31

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



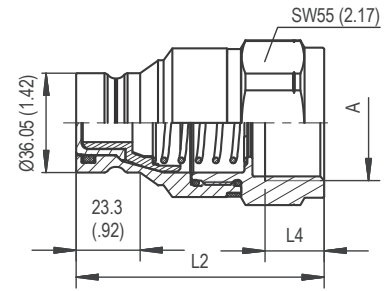
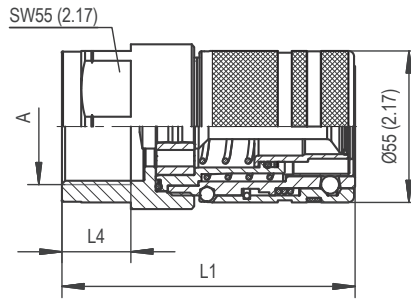
SW: Width across flats. All dimensions in mm (inch).

Series FF-19 • BG 4 • Nominal Size 19

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3- SAE J1926-1 - ISO 11926-1									
	G 3/4"	98,7 3.89	84 3.31		16,5 .65	QRC-FF-19-F-G12-BT-W3	96,92 213.67	QRC-FF-19-M-G12-BP-W3	56,49 124.54
	G 1"	98,7 3.89	84 3.31		18 .71	QRC-FF-19-F-G16-BT-W3	91,52 201.77	QRC-FF-19-M-G16-BP-W3	50,84 112.08
	NPTF 3/4"-14	98,7 3.89	84 3.31			QRC-FF-19-F-NF12-BT-W3	97,41 214.75	QRC-FF-19-M-NF12-BP-W3	57,27 126.26
	NPTF 1"-11 1/2	98,7 3.89	84 3.31			QRC-FF-19-F-NF16-BT-W3	92,98 204.99	QRC-FF-19-M-NF16-BP-W3	53,22 117.33
	UN 1" 1/16-12	98,7 3.89	84 3.31		19 .75	QRC-FF-19-F-U12-BT-W3	96,82 213.45	QRC-FF-19-M-U12-BP-W3	56,6 124.78
	UN 1" 5/16-12	98,7 3.89	84 3.31		19 .75	QRC-FF-19-F-U16-BT-W3	91,03 200.69	QRC-FF-19-M-U16-BP-W3	30,98 68.30
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861								
	M26x1,5	18L 4.06	103 3.78	96 .47	12	QRC-FF-19-F-18L-BT-W3	95,19 209.86	QRC-FF-19-M-18L-BP-W3	64,11 141.34
	M30x2	22L 4.13	105 3.86	98 .55	14	QRC-FF-19-F-22L-BT-W3	95,14 209.75	QRC-FF-19-M-22L-BP-W3	63,26 139.46
	M36x2	28L 4.13	105 3.86	98 .55	14	QRC-FF-19-F-28L-BT-W3	94,37 208.05	QRC-FF-19-M-28L-BP-W3	58,1 128.09
	M30x2	20S 4.21	107 3.94	100 .63	16	QRC-FF-19-F-20S-BT-W3	93,1 205.25	QRC-FF-19-M-20S-BP-W3	62,5 137.79
	M36x2	25S 4.29	109 4.02	102 .71	18	QRC-FF-19-F-25S-BT-W3	98,78 217.77	QRC-FF-19-M-25S-BP-W3	63,2 139.33
	M42x2	30S 4.37	111 4.09	104 .79	20	QRC-FF-19-F-30S-BT-W3	96,1 211.86	QRC-FF-19-M-30S-BP-W3	63,7 140.43
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M26x1,5	18L 4.92	125 4.65	118 1.34	34	QRC-FF-19-F-18LB-BT-W3	104,87 231.20	QRC-FF-19-M-18LB-BP-W3	73,8 162.70
	M30x2	22L 4.92	125 4.65	118 1.34	34	QRC-FF-19-F-22LB-BT-W3	106,32 234.40	QRC-FF-19-M-22LB-BP-W3	76,5 168.65
	M36x2	28L 4.92	125 4.65	118 1.34	34	QRC-FF-19-F-28LB-BT-W3	109,03 240.37	QRC-FF-19-M-28LB-BP-W3	76,18 167.95
	M30x2	20S 5.08	129 4.80	122 1.50	38	QRC-FF-19-F-20SB-BT-W3	111,8 246.48	QRC-FF-19-M-20SB-BP-W3	79,15 174.50
	M36x2	25S 5.08	129 4.80	122 1.50	38	QRC-FF-19-F-25SB-BT-W3	115,61 254.88	QRC-FF-19-M-25SB-BP-W3	83,5 184.09
	M42x2	30S 5.16	131 4.88	124 1.50	38	QRC-FF-19-F-30SB-BT-W3	110,1 242.73	QRC-FF-19-M-30SB-BP-W3	77,8 171.52

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

FF

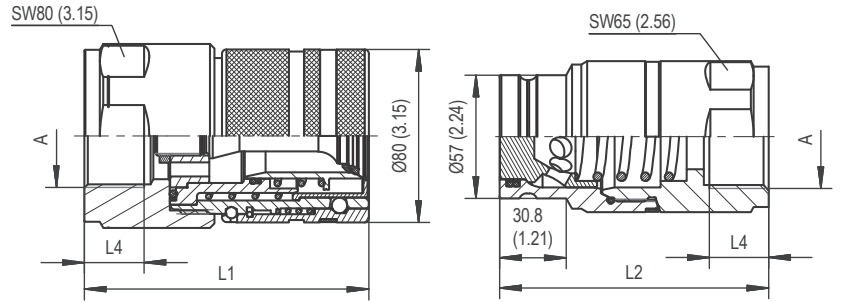


SW: Width across flats. All dimensions in mm (inch).

Series FF-25 ▪ BG 5 ▪ Nominal Size 25

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1"	106,5	90		20	QRC-FF-25-F-G16-BT-W3	145,76	QRC-FF-25-M-G16-BP-W3	90,24
		4.19	3.54		.79		321.35		198.95
	G 1" 1/4	106,5	90		20	QRC-FF-25-F-G20-BT-W3	135,55	QRC-FF-25-M-G20-BP-W3	80,08
		4.19	3.54		.79		298.84		176.55
	G 1" 1/2	106,5	95,7		25	QRC-FF-25-F-G24-BT-W3	125,2	QRC-FF-25-M-G24-BP-W3	77,92
		4.19	3.77		.98		276.02		171.78
	NPTF 1" 11 1/2	106,5	90			QRC-FF-25-F-NF16-BT-W3	143	QRC-FF-25-M-NF16-BP-W3	91,34
		4.19	3.54				315.26		201.37
NPTF 1" 1/4-11 1/2	106,5	90			QRC-FF-25-F-NF20-BT-W3	139,34	QRC-FF-25-M-NF20-BP-W3	73,6	
	4.19	3.54				307.19		162.26	
UN 1" 5/16 - 12	106,5	90		20	QRC-FF-25-F-U16-BT-W3	144,6	QRC-FF-25-M-U16-BP-W3	88,67	
	4.19	3.54		.79		318.79		195.48	
UN 1" 5/8 - 12	106,5	90		19	QRC-FF-25-F-U20-BT-W3	135,1	QRC-FF-25-M-U20-BP-W3	80	
	4.19	3.54		.75		297.84		176.37	

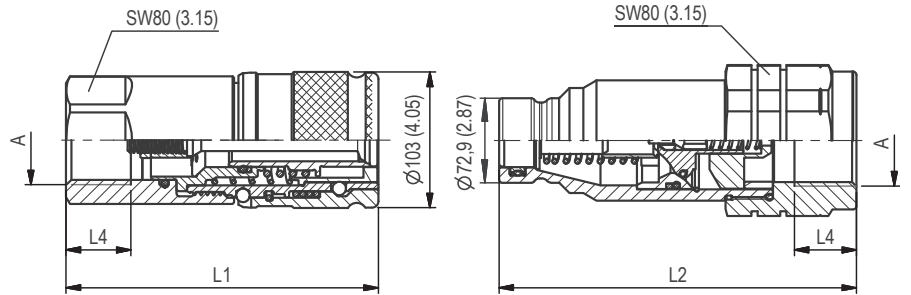
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

Series FF-38 • BG 6 • Nominal Size 38

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to ISO 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1 1/4"	131,6 5.18	124,6 4.91		21,5 .85	QRC-FF-38-F-G20-S1-W3	388,40 856.28	QRC-FF-38-M-G20-BT-W3	218,60 481.93
	G 1 1/2"	131,6 5.18	124,6 4.91		23 .89	QRC-FF-38-F-G24-S1-W3	379,10 835.77	QRC-FF-38-M-G24-BT-W3	209,90 462.75
	NPTF 1" 1/4- 11 1/2	131,6 5.18	124,6 4.91			QRC-FF-38-F-NF20-S1-W3	390,50 860.91	QRC-FF-38-M-NF20-BT-W3	221,10 487.44
	NPTF 1" 1/2- 11 1/2	131,6 5.18	124,6 4.91			QRC-FF-38-F-NF24-S1-W3	381,20 840.40	QRC-FF-38-M-NF24-BT-W3	216,80 477.96
	UN 1" 5/8-12	131,6 5.18	124,6 4.91		19 .75	QRC-FF-38-F-U20-S1-W3	387,70 854.73	QRC-FF-38-M-U20-BT-W3	218,50 481.71
	UN 1" 7/8-12	131,6 5.18	124,6 4.91		19 .75	QRC-FF-38-F-U24-S1-W3	376,10 829.16	QRC-FF-38-M-U24-BT-W3	210,30 463.63



SW: Width across flats. All dimensions in mm (inch).

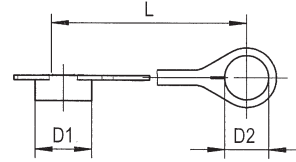
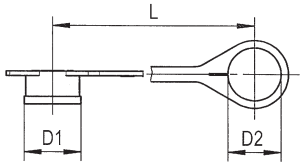
Series FH/FU 51 • BG 7 • Nominal Size 51

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G 2"	147,4	173		24	QRC-FH-51-F-G32-BT-W66	550	QRC-FU-51-M-G32-BT-W66	489
		5,80	6,81		.94		1212.54		1078.06
	NPTF 2" -11 1/2	147,4	173			QRC-FH-51-F-NF32-BT-W66	540	QRC-FU-51-M-NF32-BT-W66	479
		5,80	6,81				1190.50		1056.01

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series FF ▪ Dust Protection

FF

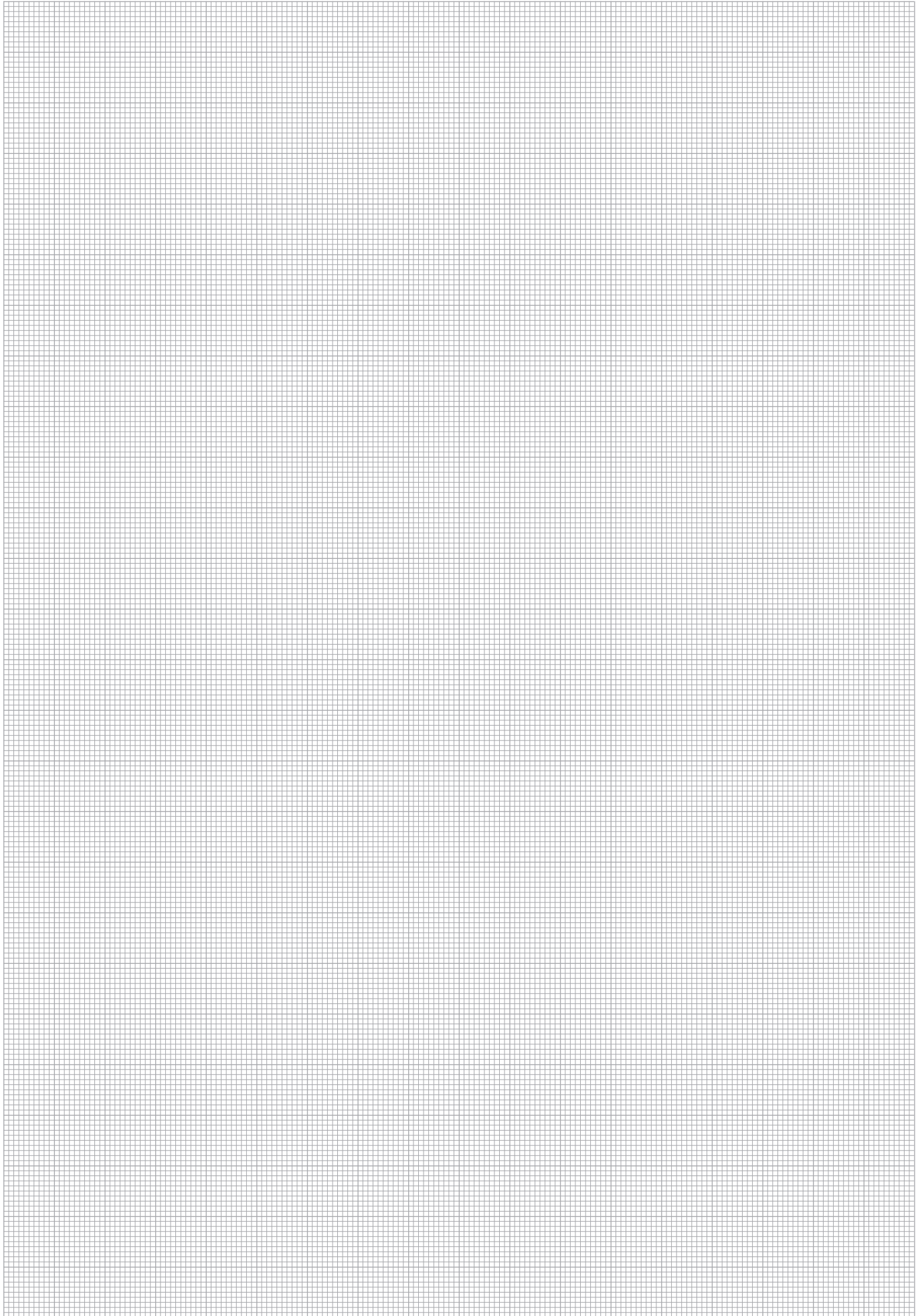


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
28	24	170	Plastic (Colour: Red)	QRC-FF-06-DM-22-K-RD
1.10	.94	6.69		
32	27	115	Plastic (Colour: Red)	QRC-FF-10-DM-27-K-RD
1.26	1.06	4.53		
38	35,5	135	Plastic (Colour: Red)	QRC-FF-12-DM-36-K-RD
1.50	1.40	5.31		
42	30	220	Plastic (Colour: Red)	QRC-FF-16-DM-30-K-RD
1.65	1.18	8.66		
48	45,5	150	Plastic (Colour: Red)	QRC-FF-19-DM-46-K-RD
1.89	1.79	5.91		
46	51	290	Plastic (Colour: Red)	QRC-FF-25-DM-51-K-RD
1.81	2.01	11.42		

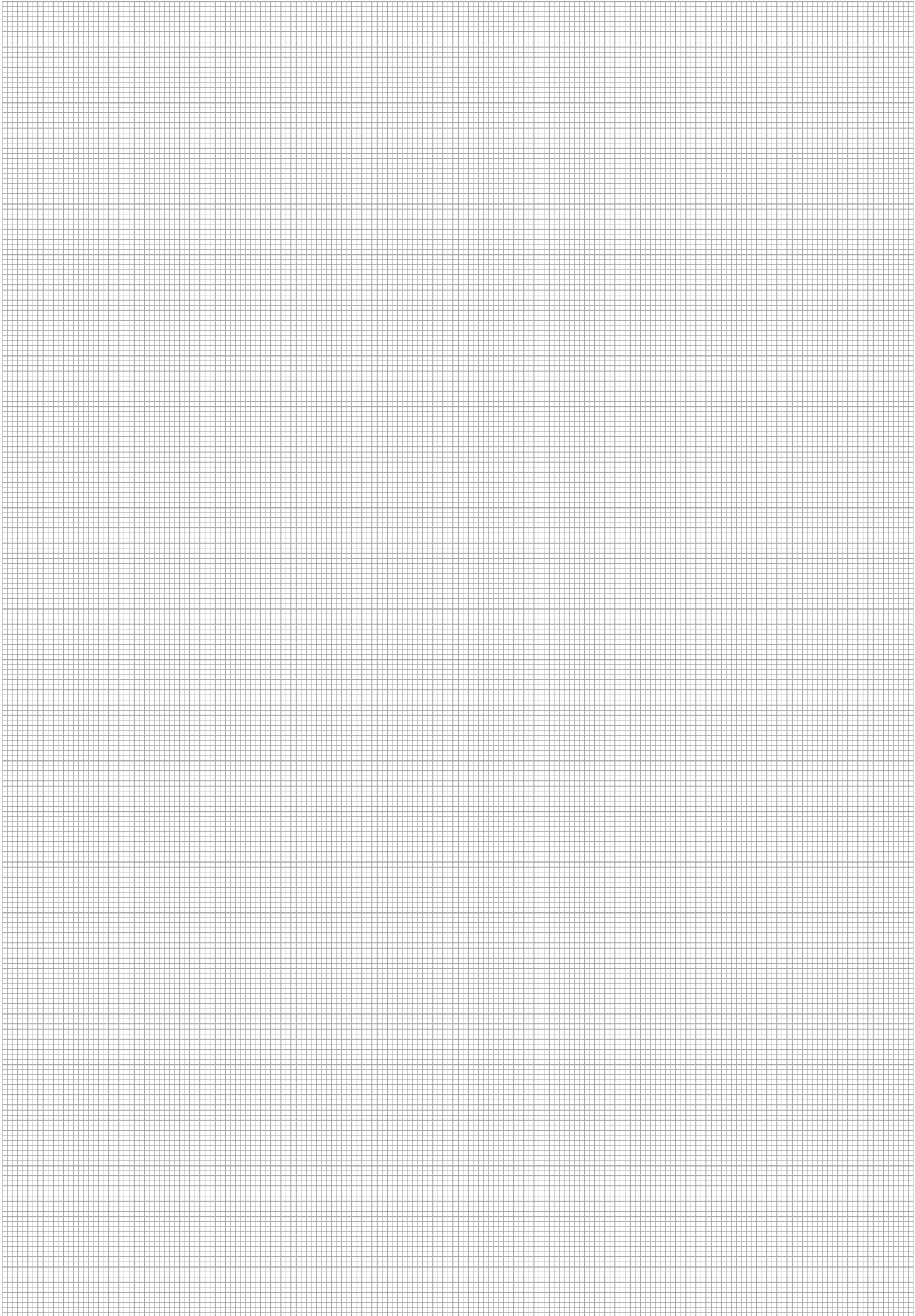
Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
34	24	170	Plastic (Colour: Red)	QRC-FF-06-DF-24-K-RD
1.34	.94	6.69		
38	30	130	Plastic (Colour: Red)	QRC-FF-10-DF-30-K-RD
1.50	1.18	5.12		
45	35,5	140	Plastic (Colour: Red)	QRC-FF-12-DF-36-K-RD
1.77	1.40	5.51		
46	30	225	Plastic (Colour: Red)	QRC-FF-16-DF-30-K-RD
1.81	1.18	8.86		
52	45,5	170	Plastic (Colour: Red)	QRC-FF-19-DF-46-K-RD
2.05	1.79	6.69		
62	51	290	Plastic (Colour: Red)	QRC-FF-25-DF-51-K-RD
2.44	2.01	11.42		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



FF



Series FC - Carbon Steel
Product Description

Flat Face Push-to-Connect Couplings of the FC Series from STAUFF consist of a male tip which is designed according to ISO 16028 and are compatible with couplings of this type.

In combination with Female Bodies of the STAUFF FF Series, Male Tips of the FC Series are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed for coupling Under pressure and is available in the following nominal sizes 10, 12, 16, 19, 25 (3/8" - 1").

A maximum operating pressure of 350 bar (5076 PSI) can also be achieved in combination with Female Bodies of the STAUFF FF Series (size 10, 12, 16, 19).

The proven design is suitable for use in agricultural and forestry machinery, construction machinery and hydraulic attachments.

FC
Features

- Flat Face
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Connection Under pressure allowed with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series
- ISO Interchange acc. to ISO 16028
- Maximum working pressure of 350 bar (5076 PSI) in combination with Female Bodies of the STAUFF FF Series (sizes 10, 12, 16, 19)
- Can be connected by hand while having a residual pressure up to 250 bar (3626 PSI) on the male side in combination with Female Bodies of the QRC-FF Series
- Powerful flow characteristics with minimal pressure drop
- Heavy internal components

Applications

	Agricultural and Forestry Machinery		Construction Machinery		Industrial Hydraulic
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Top Features

	Zinc/Nickel coating		Designed for secure connection		Connect Under pressure
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Series FC - Carbon Steel

Material	Carbon Steel
Surface Finishing	Zink/Nickel
Standard Seal Material(s)	NBR (Buna-N®), PTFE, PU, POM
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push
Disconnection	-
Connect Under Pressure	up to 250 bar (3626 PSI) allowed (Only Residual Pressure)
Disconnect Under Pressure	-
Application	Agricultural and Forestry Machinery, Construction Machinery, Industrial Hydraulic
ISO Interchange	-



FC

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure Connected		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	ml	fl oz
FC-10	2	3/8"	10	46	12.15	350	5076	350	5076	0,013	.0004
FC-12	3	1/2"	12,5	90	23.77	350	5076	350	5076	0,013	.0004
FC-16	4A	5/8"	16	148	39.09	350	5076	350	5076	0,03	.001
FC-19	4	3/4"	19	200	52.83	350	5076	350	5076	0,05	.002
FC-25	5	1"	25	378	99.86	350	5076	350	5076	0,03	.001

Series	Bursting Pressure Connected		Male Tip		Maximum pressure for connecting	
	bar	PSI	bar	PSI	bar	PSI
FC-10	1300	18854	1800	26107	250	3626
FC-12	1400	20305	1500	21756	250	3626
FC-16	1400	20305	1400	20305	250	3626
FC-19	1400	20305	1400	20305	250	3626
FC-25	1150	16679	1400	20305	250	3626

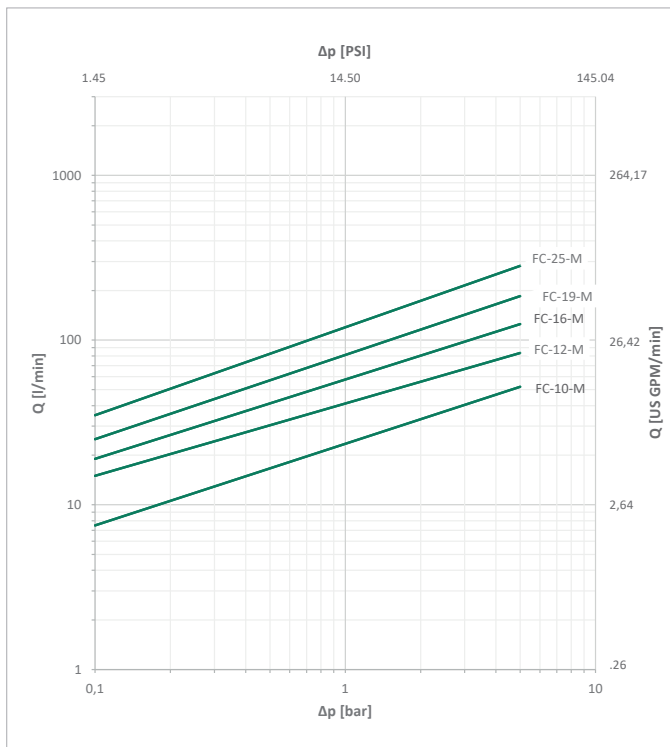
Note:

Working pressure only in connection with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series.

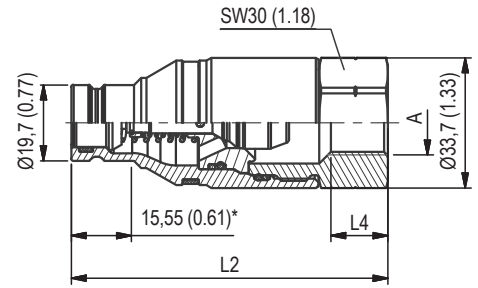
Bursting pressure connected only in connection with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series.

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



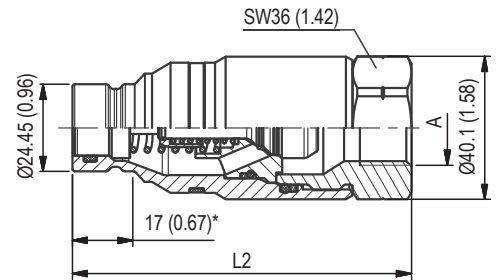
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



* Insertion Male Tip
All dimensions in mm (inch).

Series FC-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)					Female Body	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 3/8"	69	82		13	Connection with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series.		QRC-FC-10-M-G06-S5-W3	31,2
		2.72	3.23		.51				68.8
	G 1/2"	69	82		15			QRC-FC-10-M-G08-S5-W3	29,7
		2.72	3.23		.59				65.5
	NPTF 3/8" -18	70	82					QRC-FC-10-M-NF06-S5-W3	31
		7.76	3.23						68.4
	NPTF 1/2" -14	69	82					QRC-FC-10-M-NF08-S5-W3	29,7
	2.72	3.23					65.5		
UNF 9/16" -18	69	82		13		QRC-FC-10-M-U06-S5-W3	31,4		
	2.72	3.23		.51			69.2		
UNF 3/4" -16	69	82		14.5		QRC-FC-10-M-U08-S5-W3	30		
	2.72	3.23		.57			66.1		



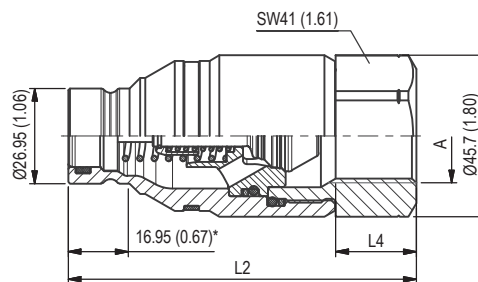
* Insertion Male Tip
All dimensions in mm (inch).

Series FC-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (mm/in)					Female Body	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1/2"	84	95		14,5	Connection with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series.		QRC-FC-12-M-G08-S5-W3	51,9
		3.31	3.74		.57				114.4
	G 3/4"	84	96		16,5			QRC-FC-12-M-G12-S5-W3	49,5
		3.31	3.77		.64				109.1
	NPTF 1/2" -14	84	95					QRC-FC-12-M-NF08-S5-W3	52,3
		3.31	3.74						115.3
	NPTF 3/4" -14	84	95					QRC-FC-12-M-NF12-S5-W3	49,7
		3.31	3.74						109.6
UNF 3/4" -16	84	95		16		QRC-FC-12-M-U08-S5-W3	52,3		
	3.31	3.74		.63			115.3		
UNF 7/8" -14	84	95		17		QRC-FC-12-M-U10-S5-W3	51		
	3.31	3.74		.75			112.4		
UN 1" 1/16 -12	84	97		18		QRC-FC-12-M-U12-S5-W3	49,3		
	3.31	3.82		.75			108.7		

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

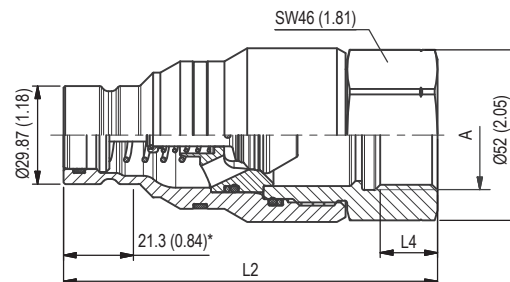
FC



* Insertion Male Tip
All dimensions in mm (inch).

Series FC-16 ▪ BG 4A ▪ Nominal Size 16

Port A	Dimensions (mm/in)					Female Body	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 3/4"		98,5		22	Connection with STAUFF Female Bodys of the QRC-FF Series with Male Tips of the QRC-FC Series.		QRC-FC-16-M-G12-S5-W3	70
			3.88		.87				154.3
	NPTF 3/4" -14		101,5					QRC-FC-16-M-NF12-S5-W3	68
		3.98						149.9	
UN 1" 1/16 -12		101,5		19			QRC-FC-16-M-U12-S5-W3	69,6	
		3.98		.75				153.4	

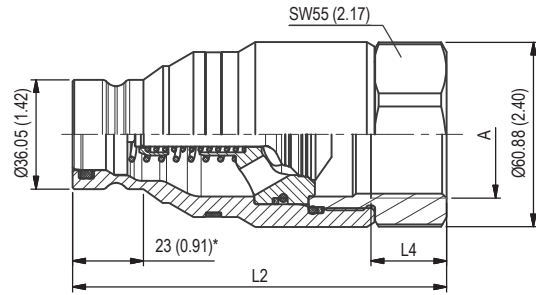


* Insertion Male Tip
All dimensions in mm (inch).

Series FC-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (mm/in)					Female Body	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 3/4"		114		16,5	Connection with STAUFF Female Bodys of the QRC-FF Series with Male Tips of the QRC-FC Series.		QRC-FC-19-M-G12-S5-W3	102,8
			4.49		.24				226.6
	G 1"		114		17,5			QRC-FC-19-M-G16-S5-W3	95,5
			4.49		.69				210.5
	NPTF 3/4"-14		114					QRC-FC-19-M-NF12-S5-W3	101
			4.49						222.7
	NPTF 1"-11 1/2		114					QRC-FC-19-M-NF16-S5-W3	96,3
			4.49						212.3
	UN 1" 1/16-12		114		19			QRC-FC-19-M-U12-S5-W3	103,7
			4.49		.75				228.6
UN 1" 5/16-12		114		19		QRC-FC-19-M-U16-S5-W3	96,4		
		4.49		.75			212.5		

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



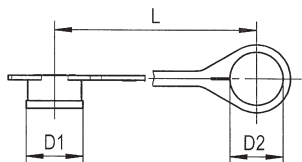
* Insertion Male Tip
All dimensions in mm (inch).

Series FC-25 ▪ BG 5 ▪ Nominal Size 25

Port A	Dimensions (mm/in)					Female Body	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1" 1/4		123,5		25	Connection with STAUFF Female Bodies of the QRC-FF Series with Male Tips of the QRC-FC Series.		QRC-FC-25-M-G20-S5-W3	134,9
			4,86		.98				297,4
	NPTF 1" 1/4-11 1/2		126,4					QRC-FC-25-M-NF20-S5-W3	137,1
		4,98						302,3	
	UN 1" 5/8-12		126,4		20		QRC-FC-25-M-U20-S5-W3	137	
			4,98		.79			302	

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

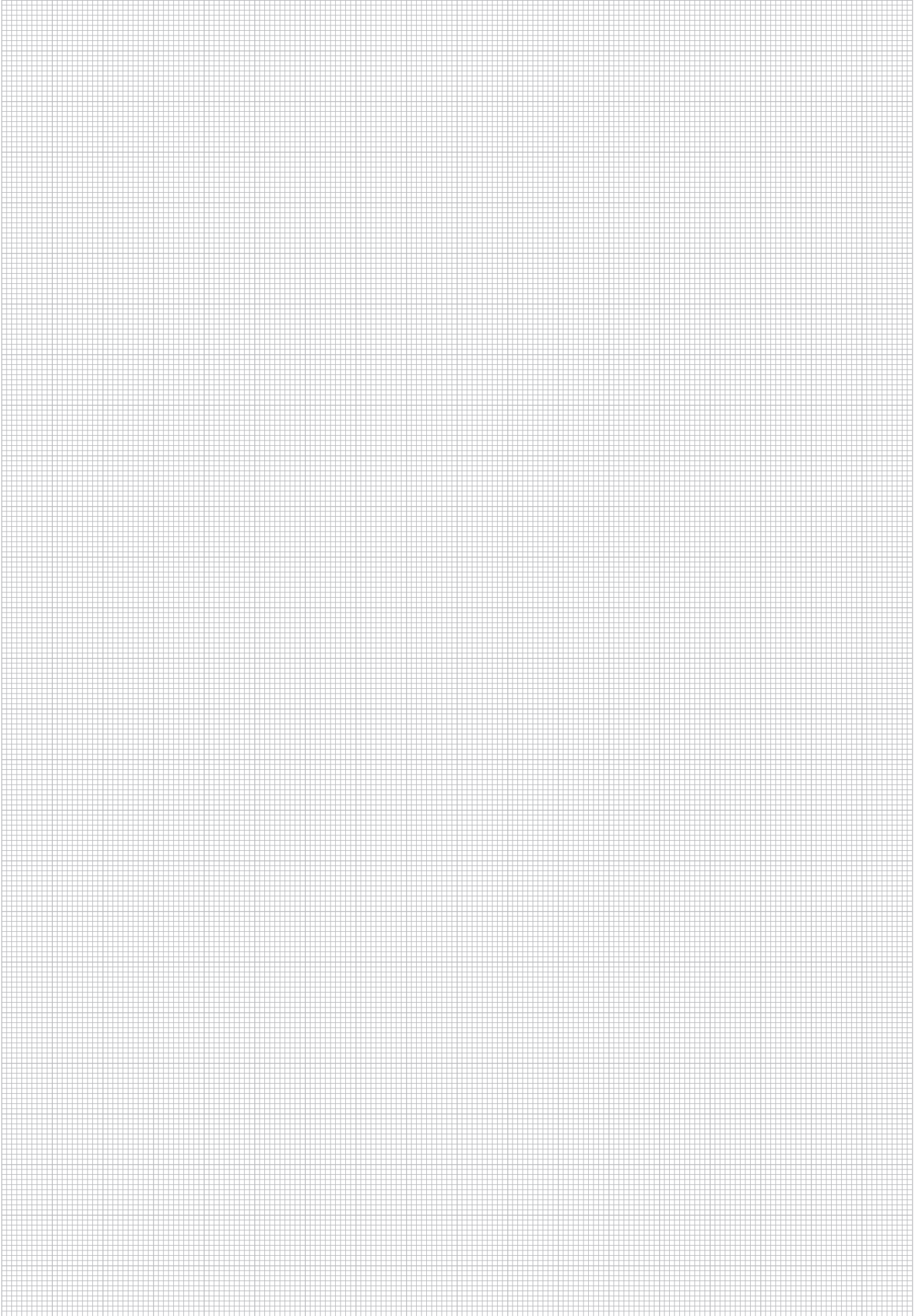
Series FC • Dust Protection



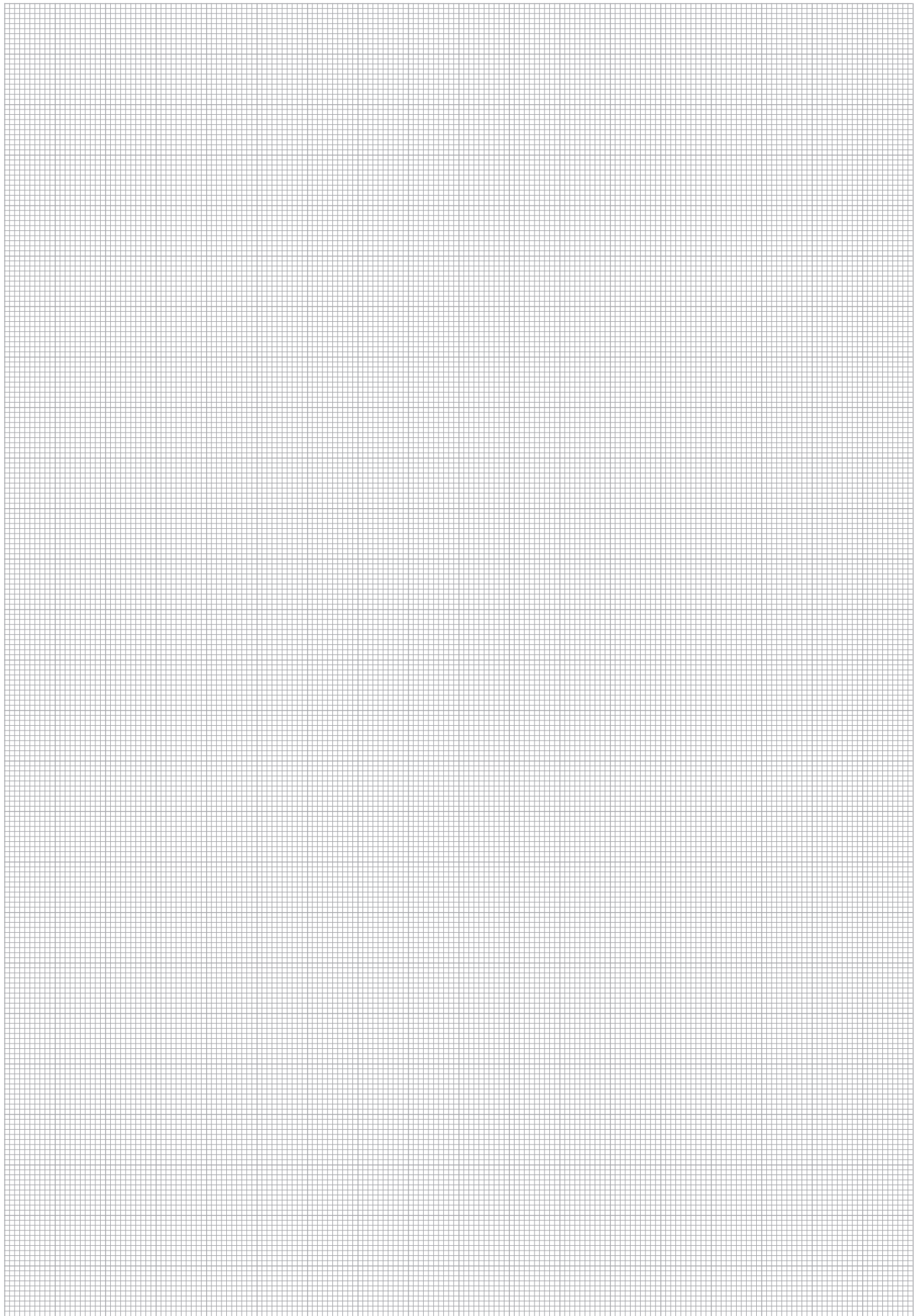
FC

Dimensions (^{mm} / _{in})			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
28	24	170	Plastic (Colour: Red)	QRC-FF-06-DM-22-K-RD
1.10	.94	6.69		
32	27	115	Plastic (Colour: Red)	QRC-FF-10-DM-27-K-RD
1.26	1.06	4.53		
38	35,5	135	Plastic (Colour: Red)	QRC-FF-12-DM-36-K-RD
1.50	1.40	5.31		
42	30	220	Plastic (Colour: Red)	QRC-FF-16-DM-30-K-RD
1.65	1.18	8.66		
48	45,5	150	Plastic (Colour: Red)	QRC-FF-19-DM-46-K-RD
1.89	1.79	5.91		
46	51	290	Plastic (Colour: Red)	QRC-FF-25-DM-51-K-RD
1.81	2.01	11.42		

In addition to the standard colours as stated above,
 plastic dust caps are also available in blue, green, yellow and black.
 Please use the color codes BU, GN, YE and BK respectively instead of RD.



FC



Series FH ▪ Stainless Steel
Product Description

Flat Face Push-to-Connect Couplings of the FH Series made of stainless steel from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed in the following nominal sizes 10, 12, 19 (3/8" - 3/4"). The proven design is suitable for use in industrial Hydraulic.

Features

- Flat Face
- Coupling made of stainless steel (AISI 316)
- ISO Interchange acc. to ISO 16028
- Integrated locking system preventing unintentional release of the coupling

Applications


Industrial Hydraulic

Top Features


Designed for secure connection

FH



Series FH • Stainless Steel

Material	Stainless Steel V4A (AISI 316)
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®), PTFE ²
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Flat Face
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	ISO 16028



FH

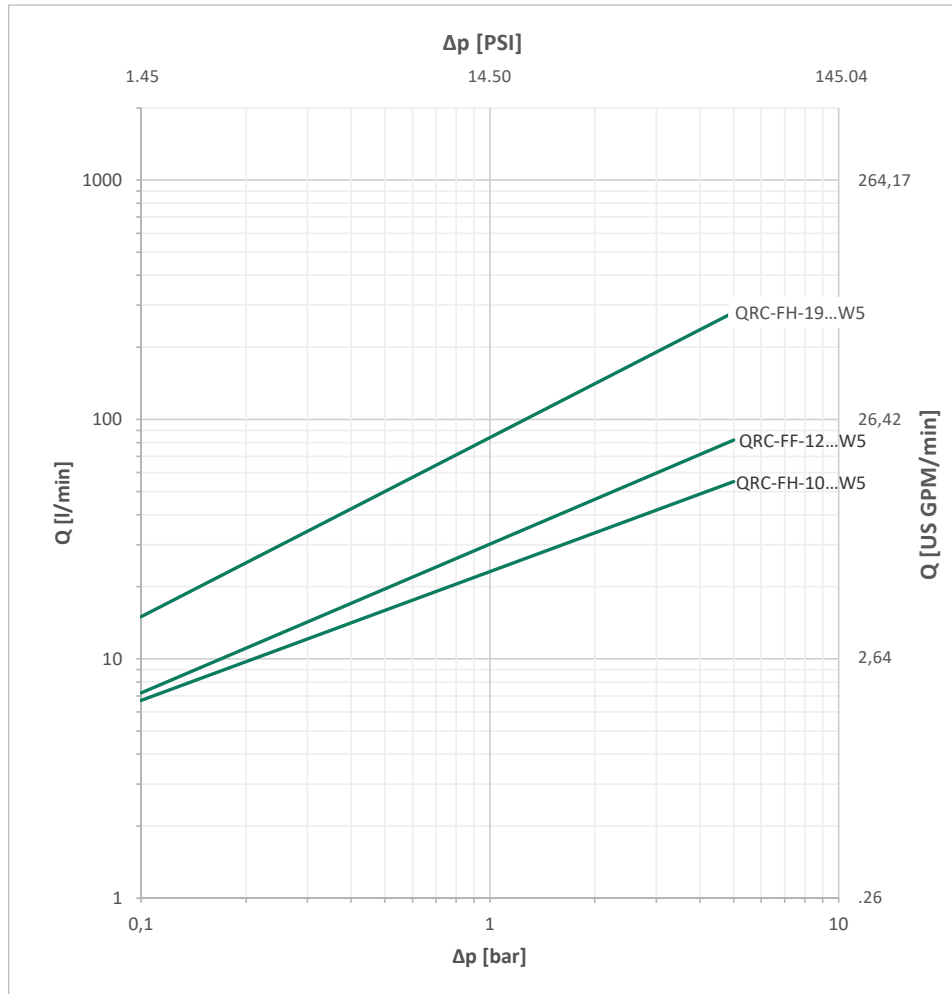
²Alternative seal materials are available on request.

Technical Data

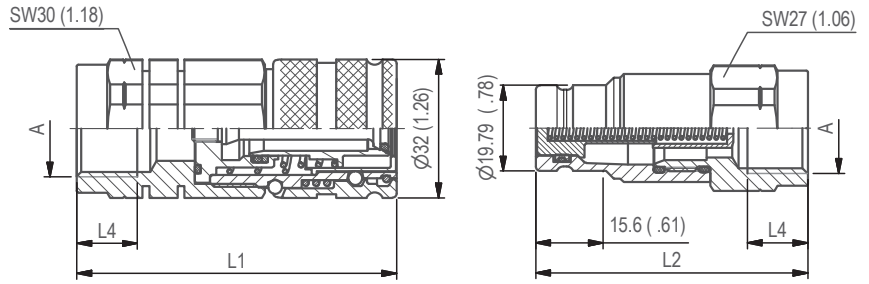
Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FH-10	2	3/8"	10	45	11,89	250	3626	1300	18855	750	10878	1000	14504	0,015	.0005
FH-12	3	1/2"	12,5	90	23,78	250	3626	1300	18855	750	10878	1000	14504	0,02	.0007
FH-19	4	3/4"	19	180	47,55	250	3626	1300	18855	750	10878	1000	14504	0,032	.0011

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



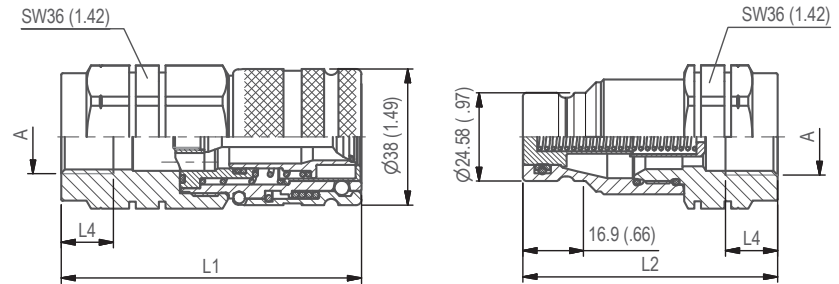
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch).

Series FH-10 • BG 2 • Nominal Size 10

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 3/8"	68,9 2.71	57,8 2.28		12,5 .49	QRC-FH-10-F-G06-VT-W5	30 66.14	QRC-FH-10-M-G06-VT-W5	15,80 34.83
	G 1/2"	74 2.91	62,9 2.48		14 .55	QRC-FH-10-F-G08-VT-W5	30,40 67.02	QRC-FH-10-M-G08-VT-W5	15,50 34.17
		NPTF 1/2"	74 2.91	62,9 2.48			QRC-FH-10-F-NF08-VT-W5	30,80 67.90	QRC-FH-10-M-NF08-VT-W5
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	88,3 3.48	79,4 3.13	11 .43	QRC-FH-10-F-12L-VT-W5	34,50 76.06	QRC-FH-10-M-12L-VT-W5	20,40 44.97



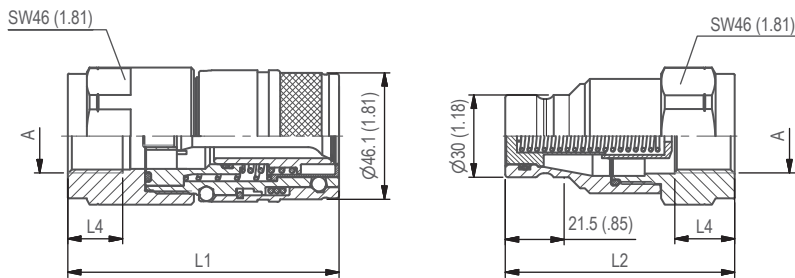
SW: Width across flats. All dimensions in mm (inch).

Series FH-12 • BG 3 • Nominal Size 12,5

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 1/2"	84 3.31	71 2.80		14 .55	QRC-FH-12-F-G08-VT-W5	52,50 115.74	QRC-FH-12-M-G08-VT-W5	32,60 71.87
		G 3/4"	84 3.31	71 2.80		16 .63	QRC-FH-12-F-G12-VT-W5	49,10 108.25	QRC-FH-12-M-G12-VT-W5
	NPTF 1/2"	84 3.31	71 2.80			QRC-FH-12-F-NF08-VT-W5	52,80 116.40	QRC-FH-12-M-NF08-VT-W5	33 72.75
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	103,8 4.09	91,1 3.59	11 .43	QRC-FH-12-F-12L-VT-W5	60,10 132.50	QRC-FH-12-M-12L-VT-W5	40,40 89.07
			M22x1,5	15L	104,8 4.13	92,1 3.63	12 1,06	QRC-FH-12-F-15L-VT-W5	60,60 133.60

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

FH



SW: Width across flats. All dimensions in mm (inch).

Series FH-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 3/4"	99	84		16	QRC-FH-19-F-G12-VT-W5	102,90	QRC-FH-19-M-G12-VT-W5	57
		3.90	3.31		.63		226.86		125.66
	G 1"	99	84		18	QRC-FH-19-F-G16-VT-W5	97,20	QRC-FH-19-M-G16-VT-W5	51,10
		3.90	3.31		.71		214.29		112.66
	NPTF 1"-11 1/2	99	84			QRC-FH-19-F-NF16-VT-W5	100,40	QRC-FH-19-M-NF16-VT-W5	54,30
		3.90	3.31				221.34		119.71
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M30x2	20S	130	114,8	16	QRC-FH-19-F-20S-VT-W5	120	QRC-FH-19-M-20S-VT-W5	74,10
			5.12	4.52	.63		264.55		163.36

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series FO ▪ Stainless Steel**Product Description**

Flat Face Push-to-Connect Couplings of the FO Series made of stainless steel AISI 316 from STAUFF are especially suitable for application with high corrosive environments and for the aggressive fluid mediums.

The FO Series consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed in the following nominal sizes 06, 10, 12, 19, 25 (1/4" - 1"). The proven design is suitable for use in the Offshore Industry.

Features

- Flat Face
- Coupling made of stainless steel (AISI 316)
- Integrated locking system preventing unintentional release of the coupling

Applications**Offshore Industry****Top Features****Designed for secure connection****FO**

Series FO • Stainless Steel

Material	Stainless Steel V4A (AISI 316)
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®) ²
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Flat Face
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Offshore
ISO Interchange	-



FO

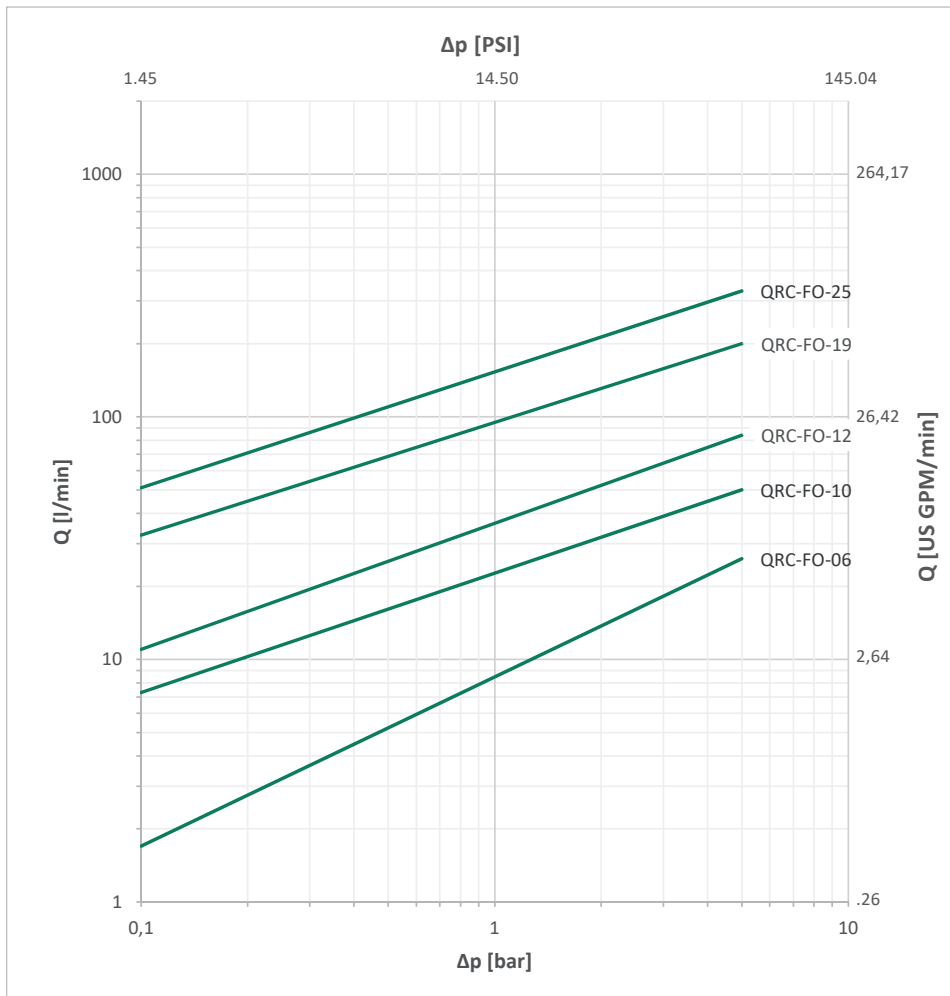
² Alternative seal materials are available on request.

Technical Data

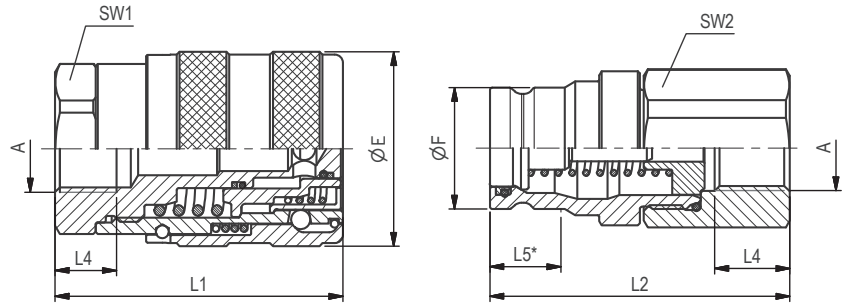
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FO-06	1	1/4"	6,3	20	5.28	350	5076	2100	30458	1400	20305	2000	29008	0,01	.0003
FO-10	2	3/8"	10	45	11.89	350	5076	2200	31908	1200	17405	1700	24656	0,02	.0007
FO-12	3	1/2"	12,5	60	15.85	350	5076	1800	26107	1200	17405	900	13053	0,03	.0010
FO-19	4	3/4"	19 (20)	150	39.63	350	5076	1450	21031	800	11603	1200	17405	0,06	.0020
FO-25	5	1"	25	240	63.40	350	5076	1200	17405	700	10153	900	13053	0,1	.0034

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

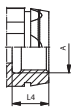
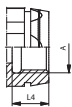


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

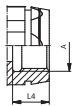
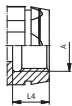
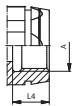
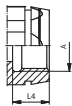


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series FO-12.
* Insertion Male Tip

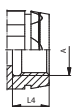
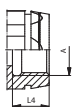
Series FO-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
 G 1/4"	30	18	52	61,5	12	13,5	24	22	QRC-FO-06-F-G04-VT-W5	17,72 39,07	QRC-FO-06-M-G04-VT-W5	12,06 26,59	
	1.18	.71	2.04	2.42	.47	.53	.94	.87					
 NPTF 1/4" -18	30	18	52	61,5	12	13,5	24	22	QRC-FO-06-F-NF04-VT-W5	18,00 39,68	QRC-FO-06-M-NF04-VT-W5	12,30 27,12	
	1.18	.71	2.04	2.42	.47	.53	.94	.87					

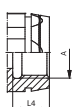
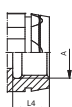
Series FO-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
 G 3/8"	40	23,7	62	70	14	16,5	30	30	QRC-FO-10-F-G06-VT-W5	39 85,98	QRC-FO-10-M-G06-VT-W5	21,70 47,84	
	1.57	.93	2.44	2.76	.47	.65	1.18	1.18					
 NPTF 3/8" -18	40	23,7	62	70		16,5	30	30	QRC-FO-10-F-NF06-VT-W5	39 85,98	QRC-FO-10-M-NF06-VT-W5	22 48,50	
	1.57	.93	2.44	2.76		.65	1.18	1.18					
 G 1/2"	40	23,7	62	69,5	14	16,5	30	30	QRC-FO-10-F-G08-VT-W5	36,90 81,35	QRC-FO-10-M-G08-VT-W5	20,10 44,31	
	1.57	.93	2.44	2.74	.55	.65	1.18	1.18					
 NPTF 1/2" -14	40	23,7	62	73,5		16,5	30	30	QRC-FO-10-F-NF08-VT-W5	37,10 81,79	QRC-FO-10-M-NF08-VT-W5	21,60 47,62	
	1.57	.93	2.44	2.89		.65	1.18	1.18					

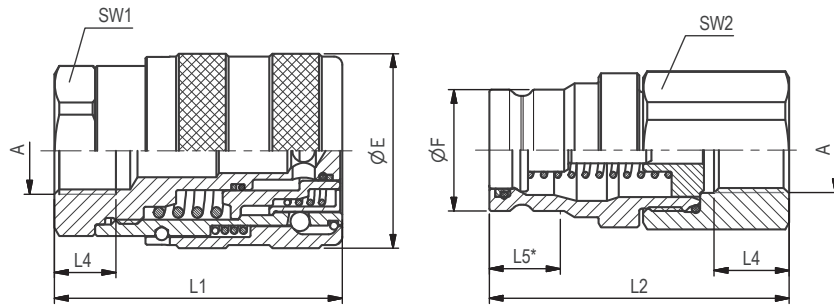
Series FO-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
 G 1/2"	48	30	71	74	14	17,5	38	36	QRC-FO-12-F-G08-VT-W5	64,20 141,54	QRC-FO-12-M-G08-VT-W5	38,18 84,17	
	1.89	1.18	2.80	2.91	.55	.69	1.49	1.42					
 NPTF 1/2" -14	48	30	71	74		17,5	38	36	QRC-FO-12-F-NF08-VT-W5	63,90 140,88	QRC-FO-12-M-NF08-VT-W5	38,42 84,70	
	1.89	1.18	2.80	2.91		.69	1.49	1.42					

Series FO-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
 G 3/4"	58	38,6	79	90	16	22	46	41	QRC-FO-19-F-G12-VT-W5	96,16 212,00	QRC-FO-19-M-G12-VT-W5	62 123,46	
	2.28	1.52	3.11	3.54	.63	.87	1.81	1.61					
 NPTF 3/4" -14	58	38,6	79	90		22	46	41	QRC-FO-19-F-NF12-VT-W5	96,00 211,64	QRC-FO-19-M-NF12-VT-W5	56,70 125,00	
	2.28	1.52	3.11	3.54		.87	1.81	1.61					

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series FO-12.
* Insertion Male Tip

Series FO-25 ▪ BG 5 ▪ Nominal Size 25

Port A	Dimensions (mm/in)									Female Body	Weight (^{kg} /lbs) ca. per 100	Male Tip	Weight (^{kg} /lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes	Ordering Codes			
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	68	45	88	107	18	23	50	50	QRC-FO-25-F-G16-VT-W5	137	QRC-FO-25-M-G16-VT-W5	82,80
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97		302.03		182.54
	NPTF 1" -11 1/2	68	45	88	107	18	23	50	50	QRC-FO-25-F-NF16-VT-W5	138,50	QRC-FO-25-M-NF16-VT-W5	84
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97		305.34		185.19
	G 1 1/4"	68	45	88	107	18	23	50	50	QRC-FO-25-F-G20-VT-W5	127,50	QRC-FO-25-M-G20-VT-W5	86,80
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97		281.09		191.36
	NPTF 1 1/4" -11 1/2	68	45	88	107	18	23	50	50	QRC-FO-25-F-NF20-VT-W5	128,90	QRC-FO-25-M-NF20-VT-W5	880
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97		284.18		1936.00

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series HP • Carbon Steel
Product Description

Push/Pull Push-to-Connect Couplings with poppet Valve of the HP Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO ISO 7241-1 A and ISO 5675 (for selected sizes) in the following nominal sizes 06, 10, 12, 19, (1/4" - 1") and can be connected under pressure with male tips of the HU series. The HU series from STAUFF consists of a male tip designed according to ISO 7241-1 A and is compatible with female bodies of this type.

Features

- poppet valve
- Zinc-Plating and Thick-Film-Passivation (Chrome III) and Zinc-Nickel for selected sizes
- Connection Under pressure allowed with STAUFF Female Bodys of the QRC-HP Series with Male Tips of the QRC-HU Series
- A reliable ball locking system keeps the two halves together
- can be installed as a breakaway coupling
- ISO Interchange acc. to ISO 7241-1 A and ISO 5675 (for selected sizes)

The sleeve of the female body can be installed in a bulkhead with retaining rings. In this way, the female body fulfils the function of a breakaway coupling. Should a male tip be torn away from a female body installed in this way, the system is decoupled and the valves close automatically, thus preventing damage to the hose and possible loss of oil.

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments.

HP/HU
Applications

Agricultural and Forestry Machinery
Top Features

Suitable for panel mounting

Designed for secure connection


Series HP ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel ¹ , Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®), PTFE ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push (When mounting the Sleeve in Bulkhead), Push and actuate Push-Pull Sleeve
Disconnection	Pull (When mounting the Sleeve in Bulkhead), Actuate Push-Pull Sleeve
Connect Under Pressure	not allowed, (Male Tip Series HU up to the max. Working Pressure allowed)
Application	Agricultural and Forestry Machinery
ISO Interchange	ISO 7241-1 A and ISO 5675 (for selected sizes).



HP/HU

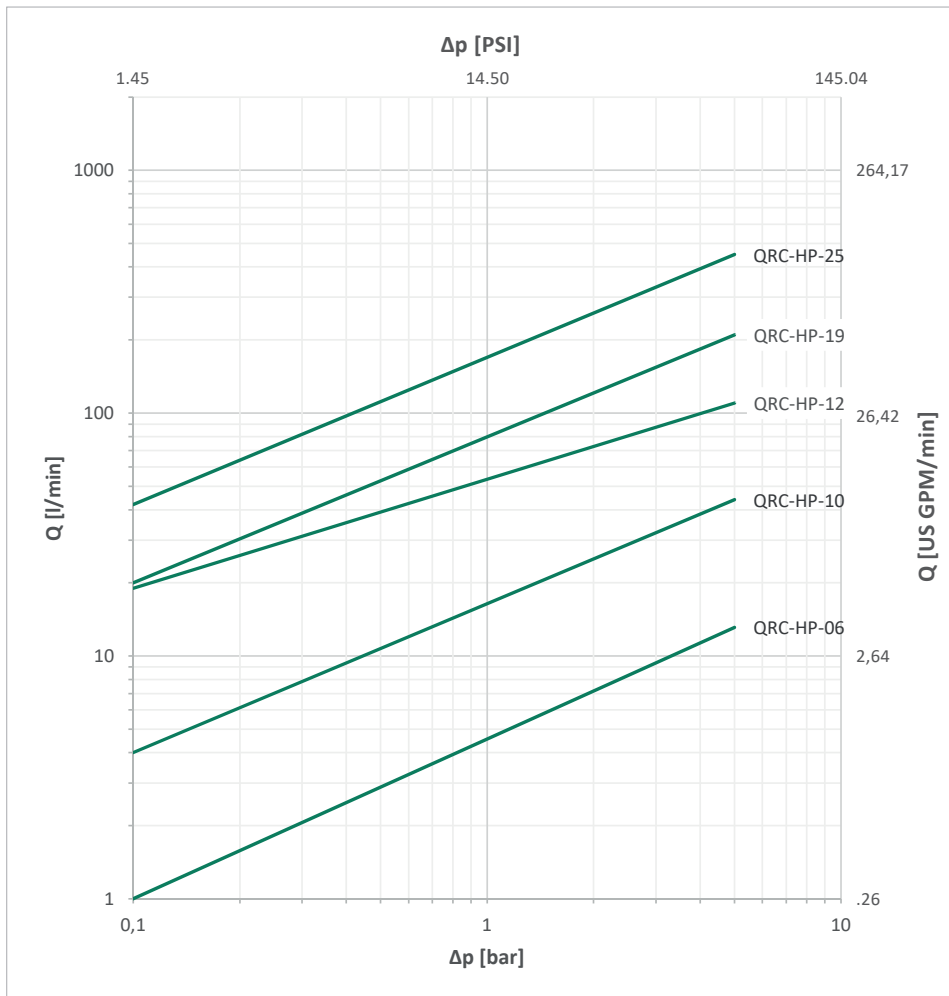
¹ Only Nominal Size 12,5
² Alternative seal materials are available on request.

Technical Data

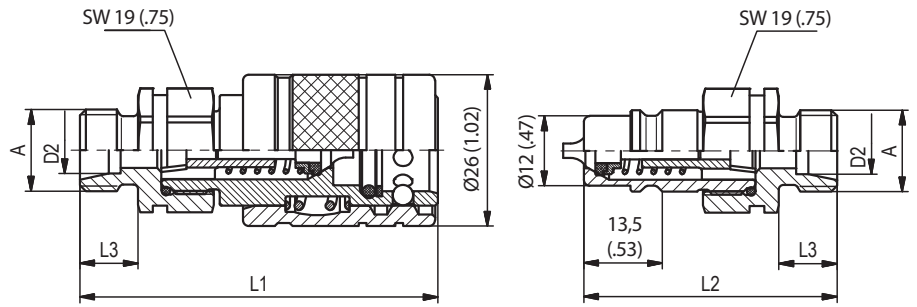
Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HPA-06	1	1/4"	6,3	20	5.28	250	3626	1000	14504	1000	14504	1000	14504	0,8	.0271
HP(A)-10	2	3/8"	10	35	9.25	250	3626	1000	14504	1000	14504	1000	14504	1,2	.0406
HP-12	3	1/2"	12,5	100	26.42	250	3626	1000	14504	1000	14504	1000	14504	1,7	.0575
HP-19	4	3/4"	19 (20)	120	31.70	250	3626	900	13053	1000	14504	1000	14504	8	.2705
HP-25	6	1"	25	160	42.27	250	3626	800	11603	1000	14504	800	11603	12	.4058
HU-12	3	1/2"	12	90	23.78	250	3626	1100	15954	1500	21756	1000	14504	2,7	.0913

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

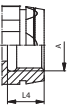

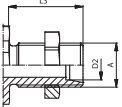


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

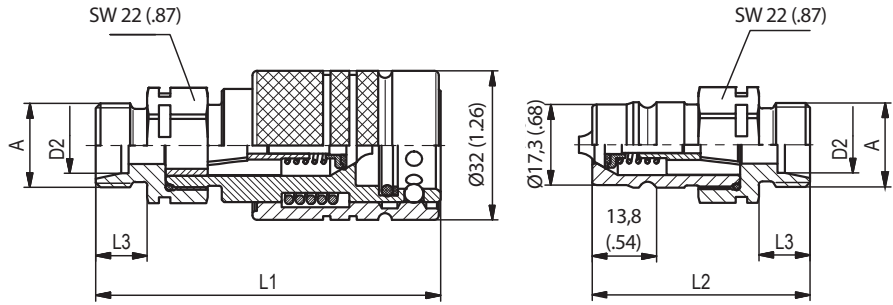


SW: Width across flats. All dimensions in mm (inch).

Series HPA-06 ▪ BG 1 ▪ Nominal Size 6,3
HP/HU

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G1/4"	64	44		13	QRC-HPA-06-F-G04-BT-W66	14,60 32.19	QRC-HPA-06-M-G04-B-W66	5,20 11.46
	NPTF 1/4" -18	64	44			.51	QRC-HPA-06-F-NF04-BT-W66	15 33.07	QRC-HPA-06-M-NF04-B-W66
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	62	42	10	QRC-HPA-06-F-08L-BT-W66	13,40	QRC-HPA-06-M-08L-B-W66	4
			2.44	1.65	.39				29.54
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	77	59	25	QRC-HPA-06-F-08LB-BT-W66	15,40	QRC-HPA-06-M-08LB-B-W66	6,20
			3.01	2.30	.98				33.95

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

Dimensions acc. to ISO 7241-1, Series A, Size 10.

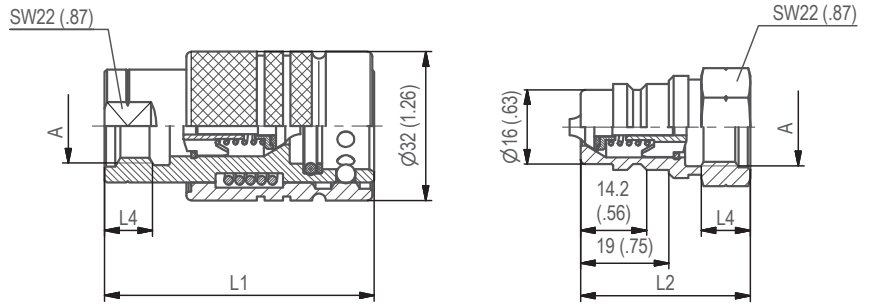
HP/HU

Series HP-10 • BG 2 • Nominal Size 10

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØD2	L1	L2	L3	L4					
Male Thread according to ISO 1179-4-B										
	G3/8"		77	51	12		QRC-HP-10-F-B06-BT-W66	2,20 4.85	QRC-HP-10-M-B06-B-W66	7,80 17.2
			3.03	2.01	.47					
Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3										
	G1/4"		76	49		13	QRC-HP-10-F-G04-BT-W66	19,50 42.99	QRC-HP-10-M-G04-B-W66	88 193.60
			2.99	1.93		.51				
	G3/8"		76	49		13	QRC-HP-10-F-G06-BT-W66	18,80 41.45	QRC-HP-10-M-G06-B-W66	80 176.00
			2.99	1.93		.51				
M16x1,5		76	49		13	QRC-HP-10-F-M16-BT-W66	18,80 41.45	QRC-HP-10-M-M16-B-W66	81 178.20	
		2.99	1.93		.51					
NPTF 3/8"-18		76	49			QRC-HP-10-F-NF06-BT-W66	18,80 41.45	QRC-HP-10-M-NF06-B-W66	81 178.20	
		2.99	1.93							
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M14x1,5	8L	73	46	10		QRC-HP-10-F-08L-BT-W66	21 46.30	QRC-HP-10-M-08L-B-W66	4,20 9.26
			2.87	1.81	.39					
	M16x1,5	10L	74	47	11		QRC-HP-10-F-10L-BT-W66	21 46.30	QRC-HP-10-M-10L-B-W66	6,50 14.33
			2.91	1.85	.43					
	M18x1,5	12L	74	47	11		QRC-HP-10-F-12L-BT-W66	21,50 47.40	QRC-HP-10-M-12L-B-W66	7,30 16.09
			2.91	1.84	.43					
M16x1,5	8S	75	48	12		QRC-HP-10-F-08S-BT-W66	21,20 46.74	QRC-HP-10-M-08S-B-W66	7,10 15.65	
		2.95	1.89	.47						
M18x1,5	10S	75	48	12		QRC-HP-10-F-10S-BT-W66	21,60 47.62	QRC-HP-10-M-10S-B-W66	7,20 15.87	
		2.95	1.89	.47						
M20x1,5	12S	75	48	12		QRC-HP-10-F-12S-BT-W66	21,60 47.62	QRC-HP-10-M-12S-B-W66	7,40 16.31	
		2.95	1.89	.47						
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M14x1,5	8L	88	61	25		QRC-HP-10-F-08LB-BT-W66	22,80 50.27	QRC-HP-10-M-08LB-B-W66	8,40 18.51
			3.46	2.39	.98					
	M16x1,5	10L	89	62	26		QRC-HP-10-F-10LB-BT-W66	23,40 51.59	QRC-HP-10-M-10LB-B-W66	9 19.84
			3.50	2.43	1.02					
	M18x1,5	12L	89	62	26		QRC-HP-10-F-12LB-BT-W66	23,50 51.81	QRC-HP-10-M-12LB-B-W66	9,40 20.72
			3.50	2.43	1.02					
M16x1,5	08S	90	63	27		QRC-HP-10-F-08SB-BT-W66 *	23 50.71	QRC-HP-10-M-08SB-B-W66 *	10 22.05	
		3.54	2.47	1.06						
M20x1,5	12S	90	63	27		QRC-HP-10-F-12SB-BT-W66 *	22 48.50	QRC-HP-10-M-12SB-B-W66 *	7,40 16.31	
		3.54	2.47	1.06						

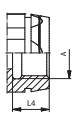
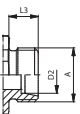
* Available on request.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

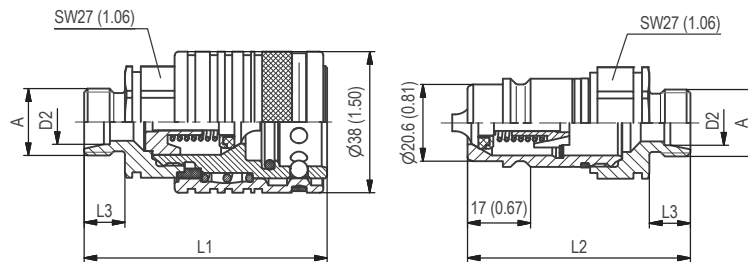


SW: Width across flats. All dimensions in mm (inch).

Series HPA-10 ▪ BG 2 ▪ Nominal Size 10
HP/HU

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G3/8"	58	37	14		QRC-HPA-10-F-G06-BT-W66	18,80	QRC-HPA-10-M-G06-B-W66	5,10
		2.28	1.46	.55			41.45		11.24
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M16x1,5	58	37	14		QRC-HPA-10-F-10L-BT-W66	22,60	QRC-HPA-10-M-10L-B-W66	8,80
		2.28	1.44	.55			49.82		19.40

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

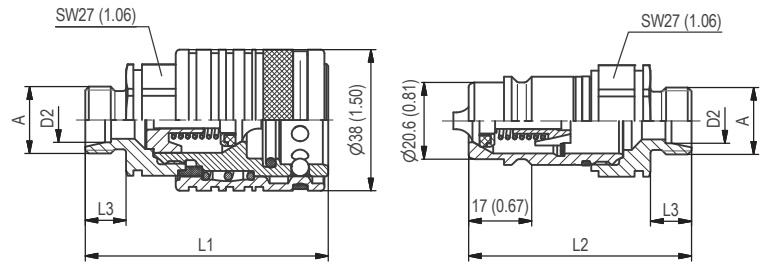
Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

HP/HU

Series HP-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4				
Male Thread according to ISO 1179-4-B - ISO 9974-3									
	G 3/8"	71 2.80	61 2.40	12 .47		QRC-HP-12-F-B06-B-W3	29 63.93	QRC-HP-12-M-B06-B-W3	11,90 26.24
	G 1/2"	71 2.80	61 2.40	12 .47		QRC-HP-12-F-B08-B-W3	29,60 65.26	QRC-HP-12-M-B08-B-W3	12,30 27.12
	M22x1,5	71 2.80	61 2.40	12 .47		QRC-HP-12-F-M22M-B-W3	30 66.14	QRC-HP-12-M-M22M-B-W3	12,90 28.44
Female Thread according to DIN 3852-2-A - ISO 6149-1 - ISO 9974-1 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G3/8"	68 2.68	60 2.36		15 .59	QRC-HP-12-F-G06-B-W3	33,10 72.97	QRC-HP-12-M-G06-B-W3	15,30 33.73
		G 1/2"	67,8 2.67	62,3 2.45		17 .67	QRC-HP-12-F-G08-B-W3	28 61.73	QRC-HP-12-M-G08-B-W3
	M16x1,5		67 2.65	62 2.43		15 .59	QRC-HP-12-F-M160R-B-W3	31,80 70.11	QRC-HP-12-M-M160R-B-W3
		M18x1,5	68 2.68	60 2.36		15 .59	QRC-HP-12-F-M180R-B-W3	31,80 70.11	QRC-HP-12-M-M180R-B-W3
	M22x1,5		68,8 2.71	63,3 2.49		17 .67	QRC-HP-12-F-M22-B-W3	28,40 62.61	QRC-HP-12-M-M220R-B-W3
		NPTF 1/2"-14	67,8 2.67	62,3 2.45			QRC-HP-12-F-NF08-B-W3	29,40 64.82	QRC-HP-12-M-NF08-B-W3
	UNF 3/4"-16		70,3 2.77	63,3 2.49		14 .55	QRC-HP-12-F-U08-B-W3	27,80 61.29	QRC-HP-12-M-U08-B-W3

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



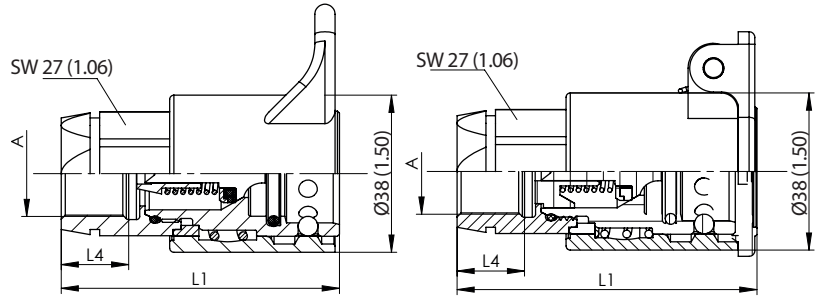
SW: Width across flats. All dimensions in mm (inch).

Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

Series HP-12 ▪ BG 3 ▪ Nominal Size 12,5
HP/HU

Port A	Dimensions (mm/in)					Female Body	Weight (^{kg} /lbs) ca. per 100	Male Tip	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4	Ordering Codes		Ordering Codes	
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	64 2.53	58 2.30	10 .39	QRC-HP-12-F-08L-B-W3	26,20 57.76	QRC-HP-12-M-08L-B-W3	10,70 23.59
	M16x1,5	10L	65 2.57	60 2.35	11 .43	QRC-HP-12-F-10L-B-W3	25,70 56.66	QRC-HP-12-M-10L-B-W3	10,90 24.03
	M18x1,5	12L	65 2.57	60 2.35	11 .43	QRC-HP-12-F-12L-B-W3	25,70 56.66	QRC-HP-12-M-12L-B-W3	10,90 24.03
	M22x1,5	15L	66 2.61	61 2.39	12 .47	QRC-HP-12-F-15L-B-W3	26,50 58.42	QRC-HP-12-M-15L-B-W3	11,70 25.79
	M26x1,5	18L	66 2.61	61 2.39	12 .47	QRC-HP-12-F-18L-B-W3	27,30 60.19	QRC-HP-12-M-18L-B-W3	11,90 26.24
	M18x1,5	10S	66 2.61	61 2.39	12 .47	QRC-HP-12-F-10S-B-W3	26,50 58.42	QRC-HP-12-M-10S-B-W3	11,50 25.35
	M20x1,5	12S	66 2.61	61 2.39	12 .47	QRC-HP-12-F-12S-B-W3	26,70 58.86	QRC-HP-12-M-12S-B-W3	11,70 25.79
	M22x1,5	14S	68 2.69	63 2.47	14 .55	QRC-HP-12-F-14S-B-W3	27,30 60.19	QRC-HP-12-M-14S-B-W3	12,30 27.12
	M24x1,5	16S	68 2.69	63 2.47	14 .55	QRC-HP-12-F-16S-B-W3	27,50 60.63	QRC-HP-12-M-16S-B-W3	12,50 27.56
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M14x1,5	08L	80 3.16	75 2.94	26 1.02	QRC-HP-12-F-08LB-B-W3	28,20 62.17	QRC-HP-12-M-08LB-B-W3	12,90 28.44
	M16x1,5	10L	80 3.16	75 2.94	26 1.02	QRC-HP-12-F-10LB-B-W3	28,80 63.49	QRC-HP-12-M-10LB-B-W3	13,50 29.76
	M18x1,5	12L	84 3.31	79 3.10	30 1.18	QRC-HP-12-F-12LB-B-W3	29,10 64.15	QRC-HP-12-M-12LB-B-W3	14,30 31.53
	M22x1,5	15L	81 3.19	76 2.98	27 1.06	QRC-HP-12-F-15LB-B-W3	30,70 67.68	QRC-HP-12-M-15LB-B-W3	15,90 35.05
	M26x1,5	18L	81 3.20	76 2.98	27 1.06	QRC-HP-12-F-18LB-B-W3	34,10 75.18	QRC-HP-12-M-18LB-B-W3	19,30 42.55
	M18x1,5	10S	80 3.16	75 2.94	26 1.02	QRC-HP-12-F-10SB-B-W3	29,70 65.48	QRC-HP-12-M-10SB-B-W3	14,70 32.41
	M20x1,5	12S	81 3.20	76 2.98	27 1.06	QRC-HP-12-F-12SB-B-W3	30,50 67.24	QRC-HP-12-M-12SB-B-W3	15,50 34.17
	M22x1,5	14S	83 3.28	78 3.06	29 1.14	QRC-HP-12-F-14SB-B-W3	31,90 70.33	QRC-HP-12-M-14SB-B-W3	17,10 37.70
	M24x1,5	16S	83 3.28	78 3.06	29 1.14	QRC-HP-12-F-16SB-B-W3	33,30 73.41	QRC-HP-12-M-16SB-B-W3	18,30 40.34

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

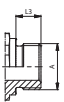
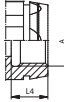

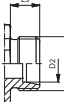

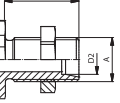
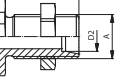



SW: Width across flats. All dimensions in mm (inch).

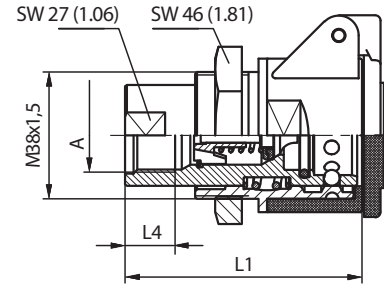
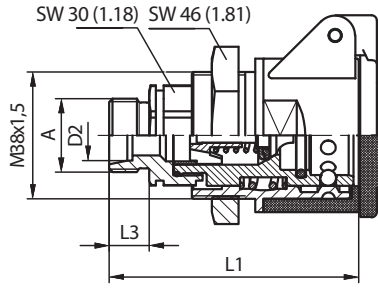
Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

HP/HU

Series ZP-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Male Thread according to DIN 3852									
 G 1/2"		74		12		QRC-ZP-12-F-B08-B-W3	31,40		
		2.92		.47			69.23		
Female Thread according to DIN 3852-2 - ISO 9974-1									
 G1/2"		67,8			17	QRC-ZP-12-F-G08-B-W3	31,40		
		2.27			.67		69.23		
 M22x1,5		68,8	75		17	QRC-ZP-12-F-M22-B-W3	31	QRC-ZP-12-FF-M22/L-B-W3-SW	30,50
		2.71	2.95		.67		68.34		67.24
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
 M18x1,5	12L	70			11	QRC-ZP-12-F-12L-B-W3	30,10		
		2.76			.43		66.36		
 M22x1,5	15L	71			12	QRC-ZP-12-F-15L-B-W3	30,90		
		2.80			.47		68.12		
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
 M18x1,5	12L	89	93	30		QRC-ZP-12-F-12LB-B-W3	33,50	QRC-ZP-12-FF-12LB/S-B-W3-SW	36,20
		3.51	3.67	1.18			73.85		79.81
 M22x1,5	15L	86	90	27		QRC-ZP-12-F-15LB-B-W3	35,10	QRC-ZP-12-FF-15LB/S-B-W3-SW	38,90
		3.39	3.55	1.06			77.38		85.76
 M20x1,5	12S		90	27				QRC-ZP-12-FF-12SB/L-B-W3-SW	39,30
			3.55	1.06					86.64
 M24x1,5	16S		88,6	29				QRC-ZP-12-FF-16SB/L-B-W3-SW	41,50
			3.49	1.14					91.49

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

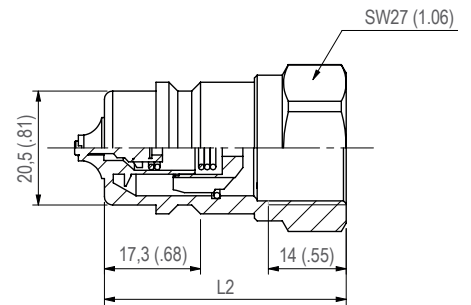


SW: Width across flats. All dimensions in mm (inch).

Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

Series AP-12 • BG 3 • Nominal Size 12,5
HP/HU

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4		
Innengewinde entsprechend ISO 9974-1							
	M22x1,5		75		15	QRC-AP-12-FF-M22M30-B-W3-RD/BK	38,10
			2.95		.59		84
Male Thread with 24° Conical Bore - Shape W according to DIN 3861							
	M22x1,5	15L	72		12	QRC-AP-12-FF-15L-B-W3-RD/BK	39
			2.84		.47		85.98



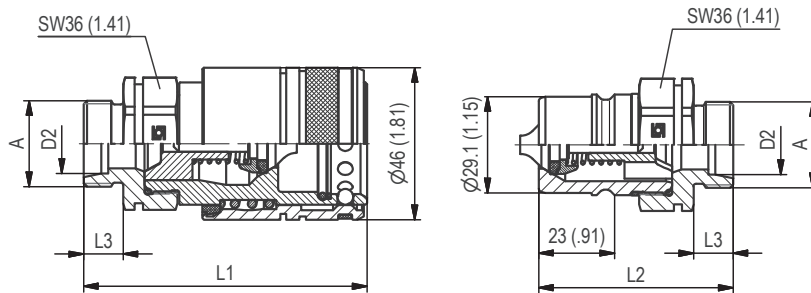
SW: Width across flats. All dimensions in mm (inch).

 Male Tip Connect Under Pressure - use our HP-12 Female side.
 Dimensions acc. to ISO 7241-1, Series A

Series HU-12 • BG 3 • Nominal Size 12,5 • Connect Under Pressure

Port A	Dimensions (mm/in)					Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØD2	L1	L2	L3	L4		
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3							
	G3/8"		43,5		12	QRC-HU-12-M-G06-B-W3	16,60
			1.71		.47		36.60
	NPTF 3/8" -18		43,5			QRC-HU-12-M-NF06-B-W3	19,20
			1.71				42.33
	G1/2"		43,5		14	QRC-HU-12-M-G08-B-W3	16,20
			1.71		.55		35.71
	NPTF 1/2" -14		43,5			QRC-HU-12-M-NF08-B-W3	17,60
			1.71				38.80

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

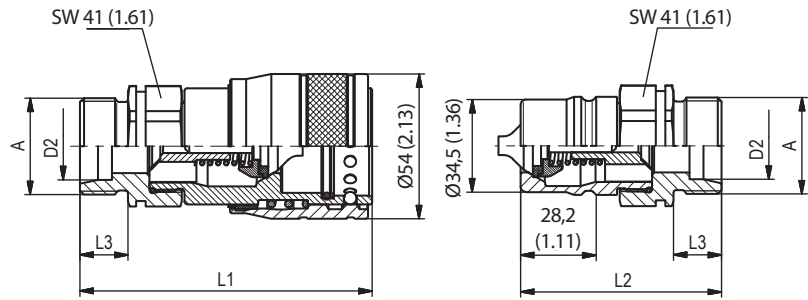
Dimensions acc. to ISO 7241-1, Series A, Size 19 and ISO 5675.

HP/HU

Series HP-19 • BG 4 • Nominal Size 19

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3	L4				
Female Thread according to DIN 3852-2 - ISO 9974-1									
	G3/4"	92	65		19	QRC-HP-19-F-G12-BT-W66	60,50 133.38	QRC-HP-19-M-G12-B-W66	31,50 69.45
	M22x1,5	92	65		19	QRC-HP-19-F-M22-BT-W66	62,80 138.45	QRC-HP-19-M-M22-B-W66	31,30 69
	NPTF 3/4"-14	92	65			QRC-HP-19-F-NF12-BT-W66	62,80 138.45	QRC-HP-19-M-NF12-B-W66	31,30 69
Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	85	58	11		54,40 119.93	QRC-HP-19-M-12L-B-W66	22,70 50.04
		15L	86	59	12		54,60 120.37	QRC-HP-19-M-15L-B-W66	23,20 51.15
	M22x1,5	18L	86	59	12		55,50 122.36	QRC-HP-19-M-18L-B-W66	23,80 52.47
		22L	88	61	14		56,90 125.44	QRC-HP-19-M-22L-B-W66	24,80 54.67
	M24x1,5	16S	88	61	14		56 123.46	QRC-HP-19-M-16S-B-W66	24,20 53.35
		20S	90	63	16		57,20 126.10	QRC-HP-19-M-20S-B-W66	25,20 55.56
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M18x1,5	12L	100	73	26		57,40 126.55	QRC-HP-19-M-12LB-B-W66	27,60 60.85
		15L	101	74	27		59 130.07	QRC-HP-19-M-15LB-B-W66	27,40 60.41
	M22x1,5	18L	101	74	27		62,70 138.23	QRC-HP-19-M-18LB-B-W66	31 68.34
		22L	110	83	36		67,50 148.81	QRC-HP-19-M-22LB-B-W66	35,50 78.26
	M24x1,5	16S	103	76	29		61,40 135.36	QRC-HP-19-M-16SB-B-W66	29,80 65.70
		20S	110	83	36		68,50 151.02	QRC-HP-19-M-20SB-B-W66	36,20 79.81

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

Dimensions acc. to ISO 7241-1, Series A, Size 25.

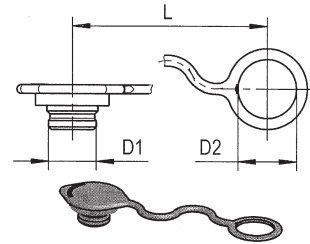
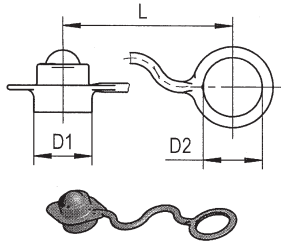
Series HP-25 ▪ BG 6 ▪ Nominal Size 25
HP/HU

Port A	Dimensions (^{mm} / _{in})				Female Body		Weight (^{kg} / _{lbs}) ca. per 100	Male Tip		Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4	Ordering Codes		Ordering Codes		
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3										
	G3/4"	104	72		19	QRC-HP-25-F-G12-BT-W66	87,60	QRC-HP-25-M-G12-B-W66	40,90	
		4.09	2.83		.75		193.12		90.17	
	G1"	104	72		19	QRC-HP-25-F-G16-BT-W66	83,40	QRC-HP-25-M-G16-B-W66	36,30	
		4.09	2.83		.75		183.87		80.03	
	NPTF 1"-11 1/2	104	72			QRC-HP-25-F-NF16-BT-W66	83,40	QRC-HP-25-M-NF16-B-W66	36,30	
		4.09	2.83				183.87		80.03	
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M22x1,5	15L	103	69	12	QRC-HP-25-F-15L-BT-W66	79,70	QRC-HP-25-M-15L-B-W66 *	34,60	
			4.06	2.72	.47		175.71		76.28	
	M26x1,5	18L	103	69	12	QRC-HP-25-F-18L-BT-W66	81,30	QRC-HP-25-M-18L-B-W66	34,80	
			4.06	2.72	.47		179.24		76.72	
	M30x2	22L	105	71	14	QRC-HP-25-F-22L-BT-W66	81,70	QRC-HP-25-M-22L-B-W66	35,50	
			4.13	2.80	.55		180.12		78.26	
	M36x2	28L	105	71	14	QRC-HP-25-F-28L-BT-W66	81,90	QRC-HP-25-M-28L-B-W66	36	
			4.13	2.80	.55		180.56		79.37	
	M45x2	35L	107	73	16	QRC-HP-25-F-35L-BT-W66 *	89,60	QRC-HP-25-M-35L-B-W66 *	44,50	
			4.21	2.87	.63		197.53		98.11	
M30x2	20S	107	73	16	QRC-HP-25-F-20S-BT-W66	82,80	QRC-HP-25-M-20S-B-W66	36,10		
		4.21	2.87	.63		182.54		79.59		
M36x2	25S	109	75	18	QRC-HP-25-F-25S-BT-W66	85	QRC-HP-25-M-25S-B-W66	38		
		4.29	2.95	.71		187.39		83.78		
M42x2	30S	111	77	20	QRC-HP-25-F-30S-BT-W66	82	QRC-HP-25-M-30S-B-W66	44		
		4.37	3.03	.79		180.78		97		
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M22x1,5	15L	118	84	27	QRC-HP-25-F-15LB-BT-W66	82,90	QRC-HP-25-M-15LB-B-W66 *	37,80	
			4.65	3.31	1.06		182.76		83.33	
	M26x1,5	18L	123	89	32	QRC-HP-25-F-18LB-BT-W66	85	QRC-HP-25-M-18LB-B-W66	42,80	
			4.84	3.50	1.26		187.39		94.36	
	M30x2	22L	125	91	34	QRC-HP-25-F-22LB-BT-W66	90,90	QRC-HP-25-M-22LB-B-W66	44	
			4.92	3.58	1.34		200.40		97	
	M36x2	28L	125	91	34	QRC-HP-25-F-28LB-BT-W66	85,40	QRC-HP-25-M-28LB-B-W66	48,10	
			4.92	3.58	1.34		188.27		106.04	
	M30x2	20S	129	95	38	QRC-HP-25-F-20SB-BT-W66	83,50	QRC-HP-25-M-20SB-B-W66	47,40	
			5.08	3.74	1.50		184.09		104.50	
M36x2	25S	129	95	38	QRC-HP-25-F-25SB-BT-W66	89	QRC-HP-25-M-25SB-B-W66	52,40		
		5.08	3.74	1.50		196.21		115.52		
M42x2	30S	131	97	40	QRC-HP-25-F-30SB-BT-W66	111,90	QRC-HP-25-M-30SB-B-W66	63,40		
		5.16	3.82	1.57		246.70		139.77		

* Available on request.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

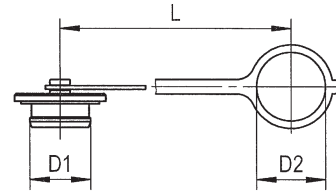
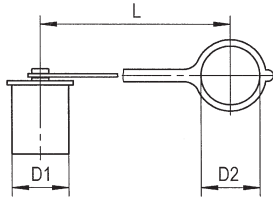
Series HP • Dust Protection



HP/HU

Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
28	27	134	Plastic (Colour: Red)	QRC-HP-12-DM-27-K/1-RD
1.10	1.06	5.28		

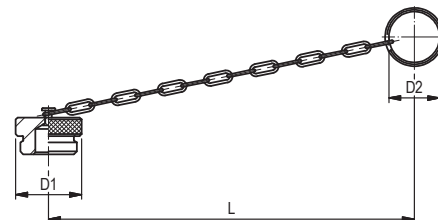
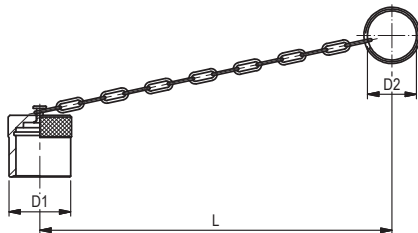
Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
22	27	135	Plastic (Colour: Red)	QRC-HP-12-DF-27-K/1-RD
.87	1.06	5.31		



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
22	22	125	Plastic (Colour: Red)	QRC-HP-10-DM-22-K-RD
.87	.87	4.92		
33	37	190	Plastic (Colour: Red)	QRC-HP-19-DM-37-K-RD
1.30	1.46	7.48		
36	41	190	Plastic (Colour: Red)	QRC-HP-25-DM-41-K-RD
1.42	1.61	7.48		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
18	22	125	Plastic (Colour: Red)	QRC-HP-10-DF-22-K-RD
.71	.87	4.92		
30	37	190	Plastic (Colour: Red)	QRC-HP-19-DF-37-K-RD
1.18	1.46	7.48		
36	41	190	Plastic (Colour: Red)	QRC-HP-25-DF-41-K-RD
1.42	1.61	7.48		

Series HU • Dust Protection



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
38	32	205	Aluminium with chain	QRC-IA-12-DM-32/CN-W89-SI
1.50	1.26	8.07		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
38	32	205	Aluminium with chain	QRC-IA-12-DF-32/CN-W89-SI
1.50	1.26	8.07		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

Series UX • Carbon Steel
Product Description

Push/Pull Push-to-Connect couplings of the UX series from STAUFF consist of a female body in a short or long version and are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools. The female body can be connected with the male tip under pressure and also includes a breakaway function.

The Series was developed in accordance to ISO 7241-1 A and is available in the following nominal size 12 (1/2") and can be connected with male tips of the Series HP-12 or Series IA-12.

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include heavy-duty tractors and tippers.

Features

- poppet valve
(open automatically when coupled, within rated working pressure, to keep the flow laminar)
- Zinc-Plating and Thick-Film-Passivation (Chrome III)
- High-flow valve unit with return volumetric flow up to 240 l/min
- Push-pull function
- can be installed as a breakaway coupling
- a low coupling and uncoupling force required

Applications


Agricultural and Forestry Machinery

Top Features


Connect Under pressure



Designed for secure connection

UX



Series UX ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®), PTFE ²
Working Temperature	-30° C ... +100° C / -22° F ... +212° F
Valve Design	Poppet Valve
Connection	Push
Disconnection	Pull
Connect Under Pressure	Female Body up to max. 2,5 bar / 36 PSI, ISO-A Male Tip up to the max. Working Pressure allowed
Application	Agricultural and Forestry Machinery
ISO Interchange	ISO 7241-1 Series A, Size 12,5

² Alternative seal materials are available on request.



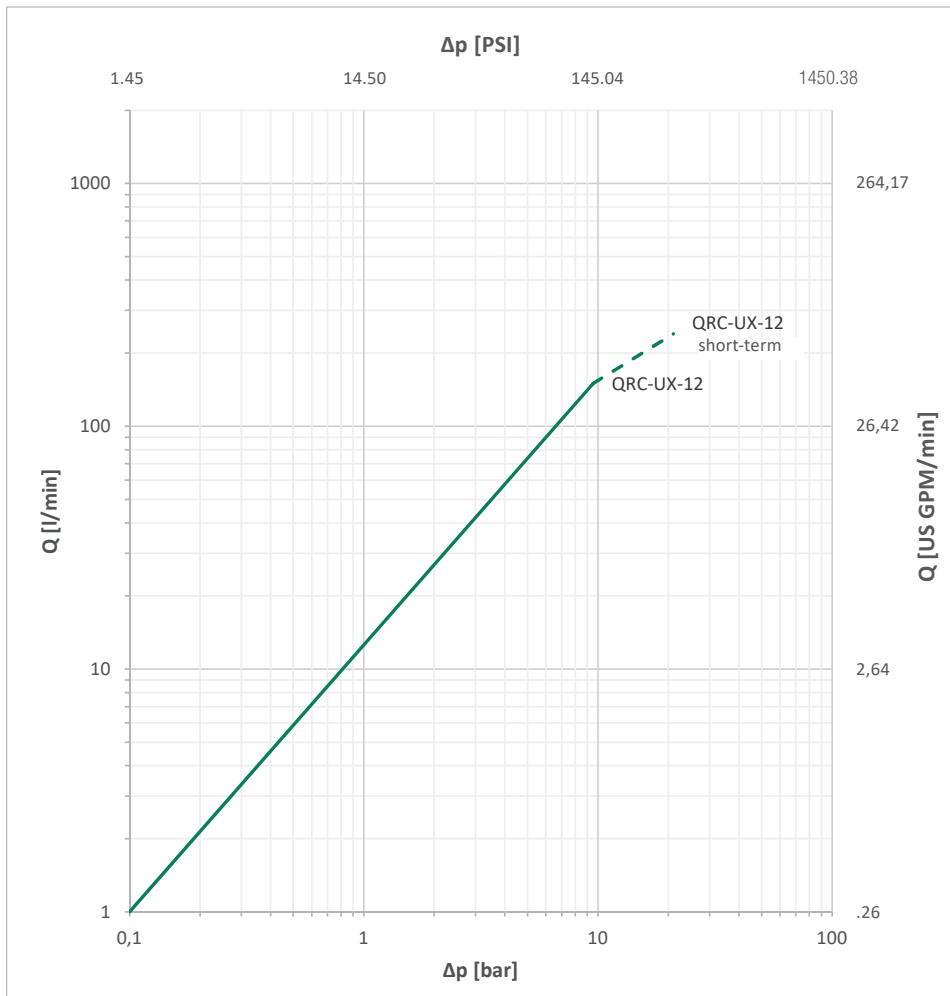
The Series UX coupling sleeve is available in two different overall lengths and is therefore compatible with the common commercially available built-in couplings.

Technical Data

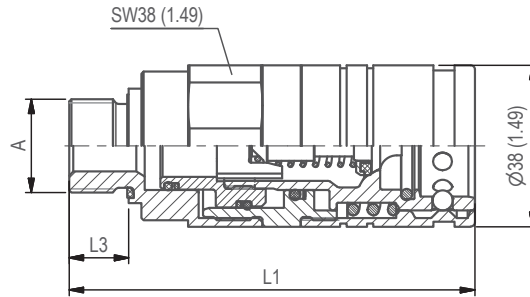
Series	BG	DN Zoll	DN metric	Q _{max}		Working Pressure		Bursting Pressure Connected*		Female Body		Male Tip		Spillage	
				ISO 4397	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
UX-12	3	1/2"	12,5	100	26.42	250	3626	1000	14504	1000	14504	1000	14504	1,7	.0575

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.
 * in connection with QRC-HP-12-M-....

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



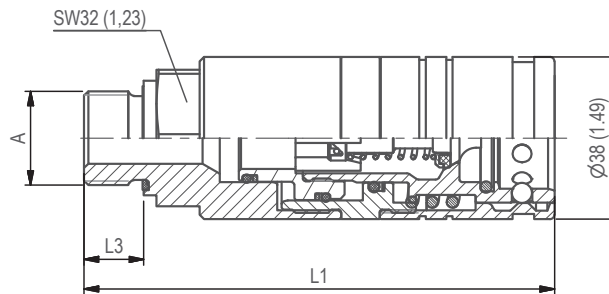
SW: Width across flats. All dimensions in mm (inch).

Series UX-S-10 ▪ BG 3 ▪ Nominal Size 12,5
UX

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØD2	L1	L2	L3	L4		
Male Thread according to EN ISO 9974-2, DIN 3852 T11 Shape E							
	M22x1,5		95,5		14	QRC-UX-S-12-F-M22MWD-S1-W66-SM	49,50
			3,76		.55		109,13
Male Thread according to ISO 6149, DIN 3852 T3, Shape C							
	M22x1,5		94		13	QRC-UX-S-12-F-M22MOR-S1-W66-SM	49,20
			3,70		.51		108,47
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861							
	M18x1,5	12L	112,5 4,43		30 1,18	QRC-UX-S-12-F-12LB-S1-W66	50,20 110,67
	M22x1,5	15L	109,5 4,31		27 1,06	QRC-UX-S-12-F-15LB-S1-W66	51,30 113,10
	M26x1,5	18L	109,5 4,31		27 1,06	QRC-UX-S-12-F-18LB-S1-W66	52,70 116,18

Dust Cover Clips: Please see page 188.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch).

Series UX-L-10 ▪ BG 3 ▪ Nominal Size 12,5

UX

Port A	Dimensions (^{mm} / _{in})					Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØD2	L1	L2	L3	L4			
Male Thread according to EN ISO 9974-2, DIN 3852 T11 Shape E								
	M22x1,5		110,3		14	QRC-UX-L-12-F-M22MWD-S1-W66-SM	59,60	
			4.34		.55		131.40	
Male Thread according to ISO 6149, DIN 3852 T3, Shape C								
	M18x1,5		110,8		14	QRC-UX-L-12-F-M18MOR-S1-W66-SM	61,90	
			4.36		.55		136.47	
	M22 x 1,5		110,8		14	QRC-UX-L-12-F-M22MOR-S1-W66-SM	59,60	
			4.36		.55		131.40	
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M18x1,5	12L	121,5		26	QRC-UX-L-12-F-12LB-S1-W66	60,20	
			4.78		1.02		132.72	
	M22 x 1,5	15L	123,5		26	QRC-UX-L-12-F-15LB-S1-W66	62,90	
			4.86		1.02		138.67	
Female Thread according to ISO 1179 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1								
	G1/2"		107,3		15	QRC-UX-L-12-F-G08-S1-W66	60,40	
			4.22		.59		133.16	
	NPTF 1/2"-14		107,3			QRC-UX-L-12-F-NF08-S1-W66	60,80	
			4.22				134.04	
UNF 3/4"-16		107,3		14	QRC-UX-L-12-F-U08-S1-W66	60,90		
		4.22		.55		134.26		
Banjo screw for banjos according to DIN 7643								
M22x1,5	18		134,8		39	14	QRC-UX-L-12-F-BS22-S1-W66	61,20
			5.31		1.54	.55		134.92

Dust Cover Clips: Please see page 188.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IA - Carbon Steel
Product Description

Push-to-Connect couplings of the IA Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 A in the following nominal sizes 06, 10, 12, 19, 25, 31, 38, 51 (1/4" - 2").

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series A
- Compatible with the HP Series

Applications


Agricultural and Forestry Machinery



Industrial Hydraulic

Top Features


Zinc/Nickel coating



Designed for secure connection

IA


Series IA ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural and Forestry Machinery
ISO Interchange	ISO 7241-1, Series A



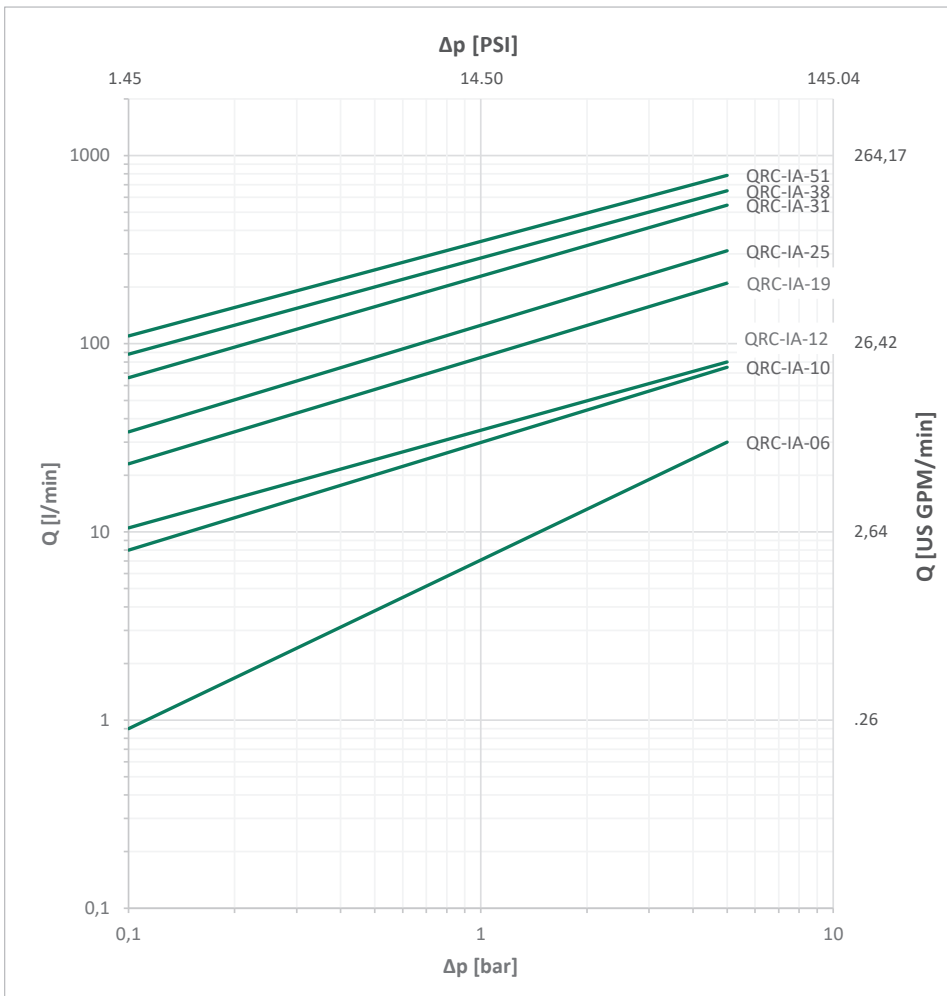
² Alternative seal materials are available on request.

Technical Data

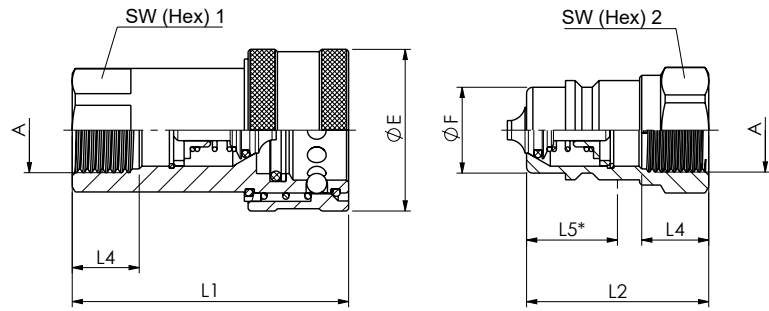
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	4,5	1.19	315	4569	1600	23206	1600	23206	1600	23206	0,5	.0169
IA-10	2	3/8"	10	34,5	9.11	315	4569	1500	21756	1500	21756	1500	21756	1,9	.0642
IA-12	3	1/2"	12,5	67,5	17.83	250	3626	1520	22046	1250	18130	1000	14504	2,7	.0913
IA-19	4	3/4"	19 (20)	159	42.00	250	3626	1000	14504	1000	14504	1000	14504	9,3	.3145
IA-25	6	1"	25	283,5	74.89	200	2901	1000	14504	1000	14504	1000	14504	16	.5410
IA-31	7	1 1/4"	31	432	114.12	200	2901	800	11603	800	11603	800	11603	30	10.144
IA-38	8	1 1/2"	38	758	200.24	160	2321	640	9282	640	9282	640	9282	54	18.260
IA-51	9	2"	51	1135	299.84	150	2176	252	3655	252	3655	252	3655	120	40.577

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

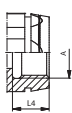

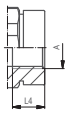


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

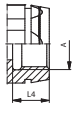

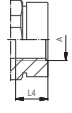



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

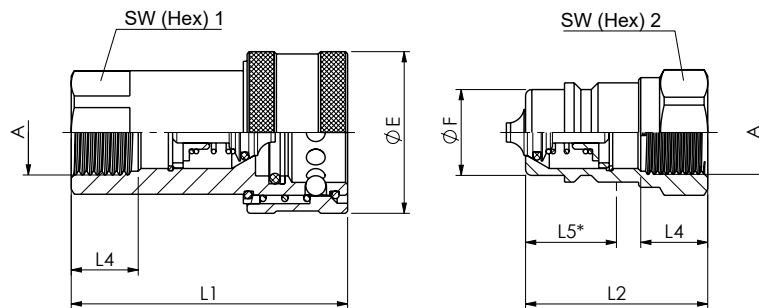
Series IA-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
 G1/4"	26	11,8	50	35,5	12	13,7	19	19	QRC-IA-06-F-G04-BT-W3	11,62	QRC-IA-06-M-G04-B-W3	3,56
	1,02	.46	1,97	1,40	.47	.54	.75	.75		25,62		7,85
 NPTF 1/4" -18	26	11,8	50	35,5		13,7	19	19	QRC-IA-06-F-NF04-BT-W3	11,62	QRC-IA-06-M-NF04-B-W3	3,56
	1,02	.46	1,97	1,40		.54	.75	.75		25,62		7,85
Female Thread according to SAE J 1926-1												
 UNF 9/16" -18	26	11,8	50	35,5	12,7	13,7	19	19	QRC-IA-06-F-U06-BT-W3	11,32	QRC-IA-06-M-U06-B-W3	3,31
	1,02	.46	1,97	1,40	.50	.54	.75	.75		24,96		7,30

Series IA-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
 G 3/8"	31,5	17,3	56	36,5	12,6	18	22	22	QRC-IA-10-F-G06-BT-W3	15,32	QRC-IA-10-M-G06-B-W3	5,02
	1,24	.68	2,20	1,44	.50	.71	.87	.87		33,77		11,07
 NPTF 3/8" -18	31,5	17,3	56	36,5		18	22	22	QRC-IA-10-F-NF06-BT-W3	15,32	QRC-IA-10-M-NF06-B-W3	5,02
	1,24	.68	2,20	1,44		.71	.87	.87		33,77		11,07
Female Thread according to SAE J 1926-1												
 UNF 9/16" -18	31,5	17,3	56	36,5	12,7	18	22	22	QRC-IA-10-F-U06-BT-W3	13,81	QRC-IA-10-M-U06-B-W3	4,31
	1,24	.68	2,20	1,44	.50	.71	.87	.87		30,45		9,50
 UNF 3/4" -16	31,5	17,3	56	36,5	14	18	22	22	QRC-IA-10-F-U08-BT-W3	14,82	QRC-IA-10-M-U08-B-W3	4,54
	1,24	.68	2,20	1,44	.55	.71	.87	.87		32,67		10,01

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

Series IA-12 • BG 3 • Nominal Size 12,5

Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3 - ISO 9974-1													
	M22x1,5	38,6 1.52	20,5 .81	66 2.60	43,5 1.71	14 .55	21,5 .85	27 1.06	27 1.06	QRC-IA-12-F-M22-BT-W3	27,02 59.57	QRC-IA-12-M-M22-B-W3	8,77 19.33
	G 1/2"	38,6 1.52	20,5 .81	66 2.60	43,5 1.71		21,5 .85	27 1.06	27 1.06	QRC-IA-12-F-G08-BT-W3	27,02 59.57	QRC-IA-12-M-G08-B-W3	8,77 19.33
	NPTF 1/2" -14	38,6 1.52	20,5 .81	66 2.60	43,5 1.71		21,7 .85	27 1.06	27 1.06	QRC-IA-12-F-NF08-BT-W3	25,64 56.53	QRC-IA-12-M-NF08-B-W3	8,60 18.96
	NPTF 3/4" -14	38 1.5	20,55 .81	70 2.76	63,5 2.5		21,5 .85	27 1.06	27 1.06	QRC-IA-12-F-NF12-BT-W3	35,30 77.82	QRC-IA-12-M-NF12-B-W3	9,80 21.61
Female Thread according to SAE J 1926-1													
	UNF 3/4" -16	38,6 1.52	20,5 .81	66 2.60	43,5 1.71	14,3 .56	21,7 .85	27 1.06	27 1.06	QRC-IA-12-F-U08-BT-W3	27,40 60.41	QRC-IA-12-M-U08-B-W3	10,10 22.27
	UNF 7/8" -14	38,6 1.52	20,5 .81	66 2.60	43,5 1.71	16,7 .66	21,7 .85	27 1.06	27 1.06	QRC-IA-12-F-U10-BT-W3	26,00 57.32	QRC-IA-12-M-U10-B-W3	10,10 22.27

Series IA-19 • BG 4 • Nominal Size 19

Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/4"	48 1.89	29,1 1.15	80,2 3.16	57 2.24	18 .71	26,8 1.06	34 1.34	34 1.34	QRC-IA-19-F-G12-BT-W3	51,37 113.25	QRC-IA-19-M-G12-B-W3	19,92 43.92
	NPTF 3/4" -14	48 1.89	29,1 1.15	80,2 3.16	57 2.24		26,8 1.06	34 1.34	34 1.34	QRC-IA-19-F-NF12-BT-W3	51,37 113.25	QRC-IA-19-M-NF12-B-W3	19,92 43.92

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IA-25 ▪ BG 6 ▪ Nominal Size 25

Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	56	34,3	94	59,5	18	33	41	41	QRC-IA-25-F-G16-BT-W3	78,89	QRC-IA-25-M-G16-B-W3	25,68
		2.20	1.35	3.70	2.34	.71	1.30	1.61	1.61		173.92		56.61
	NPTF 1" -11 1/2	56	34,3	94	59,5		33	41	41	QRC-IA-25-F-NF16-BT-W3	78,89	QRC-IA-25-M-NF16-B-W3	25,68
		2.20	1.35	3.70	2.34		1.30	1.61	1.61		173.92		56.61

Series IA-31 ▪ BG 7 ▪ Nominal Size 31,5

Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1 1/4"	69,8	45	117	75	24	41,3	50	50	QRC-IA-31-F-G20-BT-W3	128,33	QRC-IA-31-M-G20-B-W3	54,71
		2.75	1.77	4.61	2.95	.94	1.63	1.97	1.97		282.92		120.61
	NPTF 1 1/4" -11 1/2	69,8	45	117	75		41,3	50	50	QRC-IA-31-F-NF20-BT-W3	130,31	QRC-IA-31-M-NF20-B-W3	56,6
		2.75	1.77	4.61	2.95		1.63	1.97	1.97		287.28		124.78

Series IA-38 ▪ BG 8 ▪ Nominal Size 38

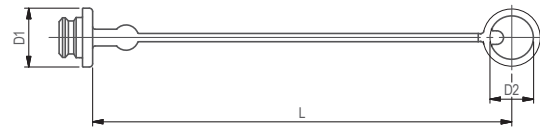
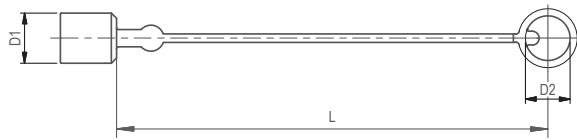
Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1 1/2"	84,5	55	133	83,5	27	48,8	60	60	QRC-IA-38-F-G24-BT-W3	216,48	QRC-IA-38-M-G24-B-W3	87,06
		3.33	2.17	5.24	3.29	1.06	1.92	2.36	2.36		477.26		191.93
	NPTF 1 1/2" -11 1/2	84,5	55	133	83,5		48,8	60	60	QRC-IA-38-F-NF24-BT-W3	218,41	QRC-IA-38-M-NF24-B-W3	89,1
		3.33	2.17	5.24	3.29		1.92	2.36	2.36		481.51		196.43

Series IA-51 ▪ BG 9 ▪ Nominal Size 51

Port A	Dimensions (mm/in)									Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 2"	99	65	165	105	26		75	75	QRC-IA-51-F-G32-BT-W3	500	QRC-IA-51-M-G32-B-W3	180,40
		3.90	2.56	6.50	4.13	1.02		2.95	2.95		1102.31		397.71
	NPTF 2" -11 1/2	99	65	165	105	26		75	75	QRC-IA-51-F-NF32-BT-W3	501	QRC-IA-51-M-NF32-B-W3	182
		3.90	2.56	6.50	4.13	1.02		2.95	2.95		1104.52		401.24

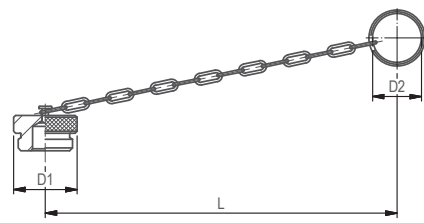
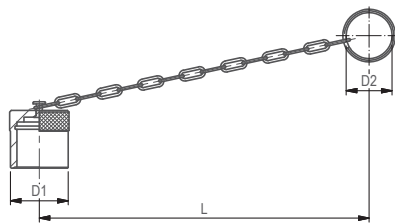
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IA - Dust Protection



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
11	6	110	Plastic (Colour: Red)	QRC-IA-06-DM-19-KI-RD
.43	.24	4.33		
24	22	220	Plastic (Colour: Red)	QRC-IA-10-DM-22-KI-RD
.93	.87	8.66		
29	26	250	Plastic (Colour: Red)	QRC-IA-12-DM-26-KI-RD
1.14	1.02	9.84		
36,5	36	270	Plastic (Colour: Red)	QRC-IA-19-DM-36-KI-RD
1.44	1.42	10.63		
36	28	235	Plastic (Colour: Red)	QRC-IA-25-DM-28-KI-RD
1.42	1.10	9.25		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
10	6	110	Plastic (Colour: Red)	QRC-IA-06-DF-19-KI-RD
.39	.24	4.33		
28	22	220	Plastic (Colour: Red)	QRC-IA-10-DF-22-KI-RD
1.10	.87	8.66		
35	26	250	Plastic (Colour: Red)	QRC-IA-12-DF-26-KI-RD
1.38	1.02	9.84		
42	36	270	Plastic (Colour: Red)	QRC-IA-19-DF-36-KI-RD
1.65	1.42	10.63		
41	28	235	Plastic (Colour: Red)	QRC-IA-25-DF-28-KI-RD
1.61	1.10	9.25		



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
19	30	180	Aluminium with chain	QRC-IA-06-DM-30/CN-W89-SI
.75	1.18	7.09		
30	33	200	Aluminium with chain	QRC-IA-10-DM-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DM-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DM-47/CN-W89-SI
1.77	1.85	10.83		
45	41	290	Aluminium with chain	QRC-IA-25-DM-41/CN-W89-SI
1.77	1.61	11.42		
70	47	275	Aluminium with chain	QRC-IA-31-DM-47/CN-W89-SI
2.76	1.85	10.83		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
19	30	160	Aluminium with chain	QRC-IA-06-DF-30/CN-W89-SI
.75	1.18	6.30		
30	33	200	Aluminium with chain	QRC-IA-10-DF-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DF-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DF-47/CN-W89-SI
1.77	1.85	10.83		
43	41	240	Aluminium with chain	QRC-IA-25-DF-41/CN-W89-SI
1.69	1.61	9.45		
70	47	275	Aluminium with chain	QRC-IA-31-DF-47/CN-W89-SI
2.76	1.85	10.83		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

Series IA - Stainless Steel
Product Description

Push-to-Connect couplings of the IA Series made of stainless steel from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 A in the following nominal sizes 06, 10, 12, 19, 25, 31, 38, 51 (1/4" - 2").

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made of stainless steel (AISI 316)
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series A

Applications


Agricultural and Forestry Machinery



Industrial Hydraulic



Offshore Industry

IA

Top Features


Designed for secure connection



Series IA - Stainless Steel

Material	Stainless Steel V4A (AISI 316)
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®) ²
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural and Forestry Machinery, Industrial Hydraulic
ISO Interchange	ISO 7241-1, Series A



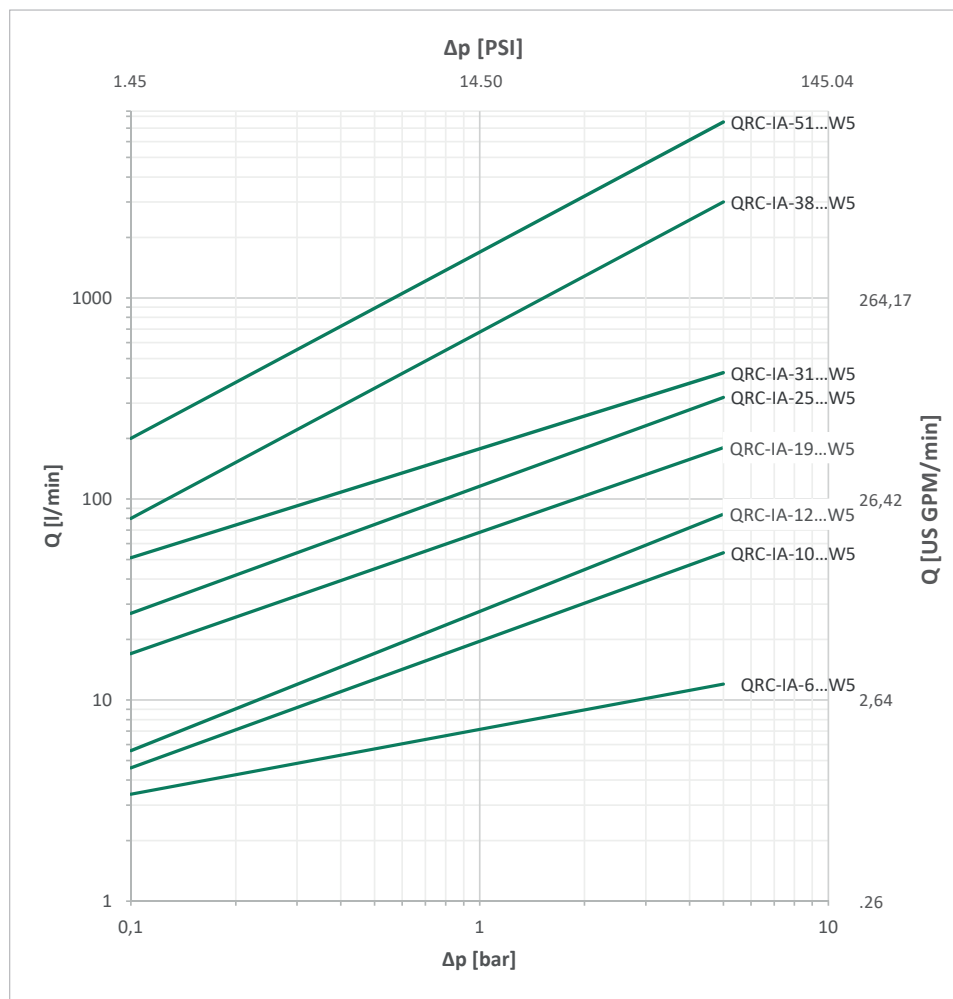
² Alternative seal materials are available on request.

Technical Data

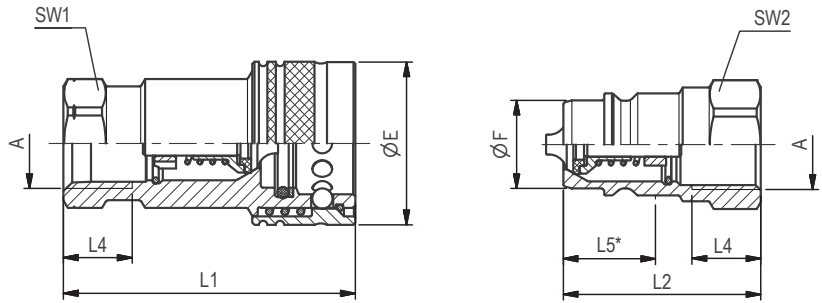
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	17	4.49	450	6527	2900	42061	2900	42061	3200	46412	0,5	.0169
IA-10	2	3/8"	10	46	12.15	300	4351	1300	18855	1250	18130	1250	18130	1,9	.0642
IA-12	3	1/2"	12,5	90	23.78	300	4351	1350	19580	1200	17405	1200	17405	2,7	.0913
IA-19	4	3/4"	19 (20)	190	50.19	250	3626	1100	15954	1000	14504	800	11603	9,3	.3145
IA-25	6	1"	25	280	73.97	200	2901	850	12328	650	9427	600	8702	19	.6425
IA-31	7	1 1/4"	31	480	126.80	100	1450	400	5802	400	5802	400	5802	30	10.144
IA-38	8	1 1/2"	38	700	184.92	80	1160	320	4641	320	4641	320	4641	54	18.260
IA-51	9	2"	51	1000	264.17	60	870	250	3626	250	3626	250	3626	120	40.577

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics

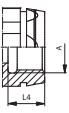
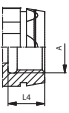


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

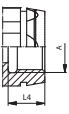
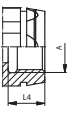


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

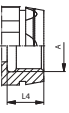
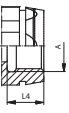
Series IA-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)							Female Body		Weight (kg/lbs) ca. per 100	Male Tip		Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes		Ordering Codes		
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3													
 G 1/4"	26	11,85	50,5	35,5	12	14,5	19	19	QRC-IA-06-F-G04-VT-W5	11,90	QRC-IA-06-M-G04-V-W5	3,80	
	1.02	.47	1.99	1.40	.47	.57	.75	.75		26.24		8.38	
 NPTF 1/4" -18	26	11,85	50,5	35,5		14,5	19	19	QRC-IA-06-F-NF04-VT-W5	12	QRC-IA-06-M-NF04-V-W5	3,90	
	1.02	.47	1.99	1.40		.57	.75	.75		26.46		8.60	

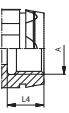
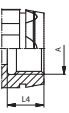
Series IA-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)							Female Body		Weight (kg/lbs) ca. per 100	Male Tip		Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes		Ordering Codes		
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3													
 G 3/8"	30	17,3	58,5	40,5	12	17	22	22	QRC-IA-10-F-G06-VT-W5	15,70	QRC-IA-10-M-G06-V-W5	5,90	
	1.18	.68	2.30	1.59	.47	.62	.87	.87		34.61		13.01	
 NPTF 3/8" -18	30	17,3	58,5	40,5		17	22	22	QRC-IA-10-F-NF06-VT-W5	15,80	QRC-IA-10-M-NF06-V-W5	6	
	1.18	.68	2.30	1.59		.62	.87	.87		34.83		13.23	

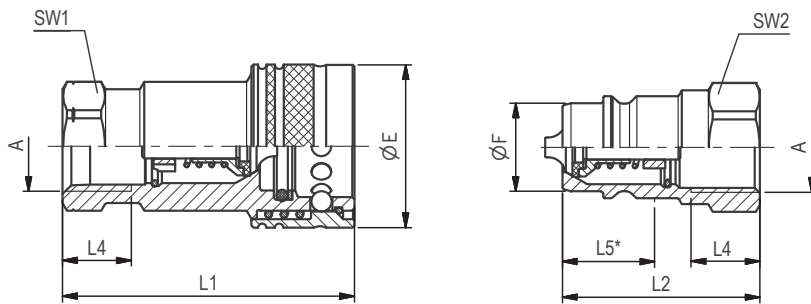
Series IA-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (mm/in)							Female Body		Weight (kg/lbs) ca. per 100	Male Tip		Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes		Ordering Codes		
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3													
 G 1/2"	37,9	20,55	68	46	14	21,5	27	27	QRC-IA-12-F-G08-VT-W5	29,50	QRC-IA-12-M-G08-V-W5	9,70	
	1.49	.81	2.68	1.81	.55	.85	1.06	1.06		65.04		21.38	
 NPTF 1/2" -14	37,9	20,55	68	46		21,5	27	27	QRC-IA-12-F-NF08-VT-W5	29,70	QRC-IA-12-M-NF08-V-W5	9,90	
	1.49	.81	2.68	1.81		.85	1.06	1.06		65.48		21.83	

Series IA-19 ▪ BG 4 ▪ Nominal Size 19

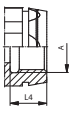
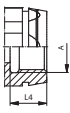
Port A	Dimensions (mm/in)							Female Body		Weight (kg/lbs) ca. per 100	Male Tip		Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes		Ordering Codes		
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3													
 G 3/4"	45	29,1	84,3	57	16	20,8	34	34	QRC-IA-19-F-G12-VT-W5	51	QRC-IA-19-M-G12-V-W5	16,50	
	1.77	1.14	84	2.24	.63	.82	1.34	1.34		112.44		36.38	
 NPTF 3/4" -14	45	29,1	84,3	57		20,8	34	34	QRC-IA-19-F-NF12-VT-W5	51,30	QRC-IA-19-M-NF12-V-W5	16,80	
	1.77	1.14	3.32	2.24		.82	1.34	1.34		113.10		37.04	

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

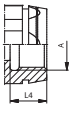
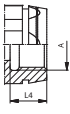


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

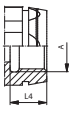
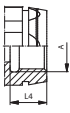
Series IA-25 ▪ BG 6 ▪ Nominal Size 25

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
 G 1"	52	34,35	97	63,5	18	33,5	41	41	QRC-IA-25-F-G16-VT-W5	63,60	QRC-IA-25-M-G16-V-W5	28,50
	2,06	1,35	3,82	2,50	,71	1,32	1,61	1,61		140,21		62,83
 NPTF 1" -11 1/2	52	34,35	97	63,5		33,5	41	41	QRC-IA-25-F-NF16-VT-W5	64,30	QRC-IA-25-M-NF16-V-W5	29,20
	2,06	1,35	3,82	2,50		1,32	1,61	1,61		141,76		64,37

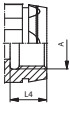
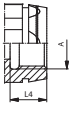
Series IA-31 ▪ BG 7 ▪ Nominal Size 31,5

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
 G 1 1/4"	70	45	115	69	20	34	50	50	QRC-IA-31-F-G20-VT-W5	147	QRC-IA-31-M-G20-V-W5	48
	2,75	1,77	4,53	2,72	,79	1,34	1,97	1,97		324,08		105,82
 NPTF 1 1/4" -11 1/2	70	45	115	69		34	50	50	QRC-IA-31-F-NF20-VT-W5	148,50	QRC-IA-31-M-NF20-V-W5	49,50
	2,75	1,77	4,53	2,72		1,34	1,97	1,97		327,39		109,13

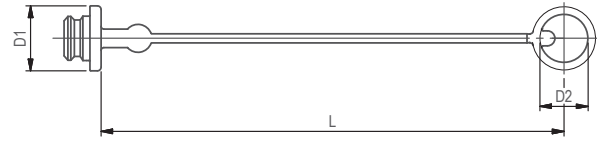
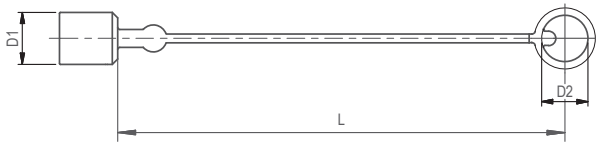
Series IA-38 ▪ BG 8 ▪ Nominal Size 38

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
 G 1 1/2"	80	55	123	73	22	50	60	60	QRC-IA-38-F-G24-VT-W5	198	QRC-IA-38-M-G24-V-W5	73,80
	3,17	2,16	4,84	2,87	,87	1,97	2,36	2,36		436,52		162,70
 NPTF 1 1/2" -11 1/2	80	55	123	73		50	60	60	QRC-IA-38-F-NF24-VT-W5	202	QRC-IA-38-M-NF24-V-W5	87
	3,17	2,16	4,84	2,87		1,97	2,36	2,36		445,33		191,80

Series IA-51 ▪ BG 9 ▪ Nominal Size 51

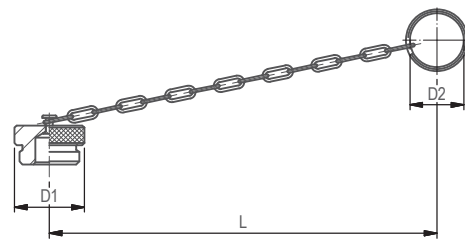
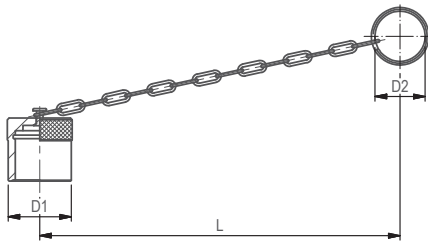
Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B. 1.20.3												
 G 2"	102	65,1	147	90	24	57	70	70	QRC-IA-51-F-G32-VT-W5	349	QRC-IA-51-M-G32-V-W5	116,80
	4,01	2,56	5,79	3,54	,94	2,24	2,75	2,75		769,41		257,50
 NPTF 2" -11 1/2	102	65,1	147	90		57	70	70	QRC-IA-51-F-NF32-VT-W5	350	QRC-IA-51-M-NF32-V-W5	117,80
	4,01	2,56	5,79	3,54		2,24	2,75	2,75		771,62		259,70

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IA - Dust Protection


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
11	6	110	Plastic (Colour: Red)	QRC-IA-06-DM-19-KI-RD
.43	.24	4.33		
24	22	220	Plastic (Colour: Red)	QRC-IA-10-DM-22-KI-RD
.93	.87	8.66		
29	26	250	Plastic (Colour: Red)	QRC-IA-12-DM-26-KI-RD
1.14	1.02	9.84		
36.5	36	270	Plastic (Colour: Red)	QRC-IA-19-DM-36-KI-RD
1.44	1.42	10.63		
36	28	235	Plastic (Colour: Red)	QRC-IA-25-DM-28-KI-RD
1.42	1.10	9.25		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
10	6	110	Plastic (Colour: Red)	QRC-IA-06-DF-19-KI-RD
.39	.24	4.33		
28	22	220	Plastic (Colour: Red)	QRC-IA-10-DF-22-KI-RD
1.10	.87	8.66		
35	26	250	Plastic (Colour: Red)	QRC-IA-12-DF-26-KI-RD
1.38	1.02	9.84		
42	36	270	Plastic (Colour: Red)	QRC-IA-19-DF-36-KI-RD
1.65	1.42	10.63		
41	28	235	Plastic (Colour: Red)	QRC-IA-25-DF-28-KI-RD
1.61	1.10	9.25		



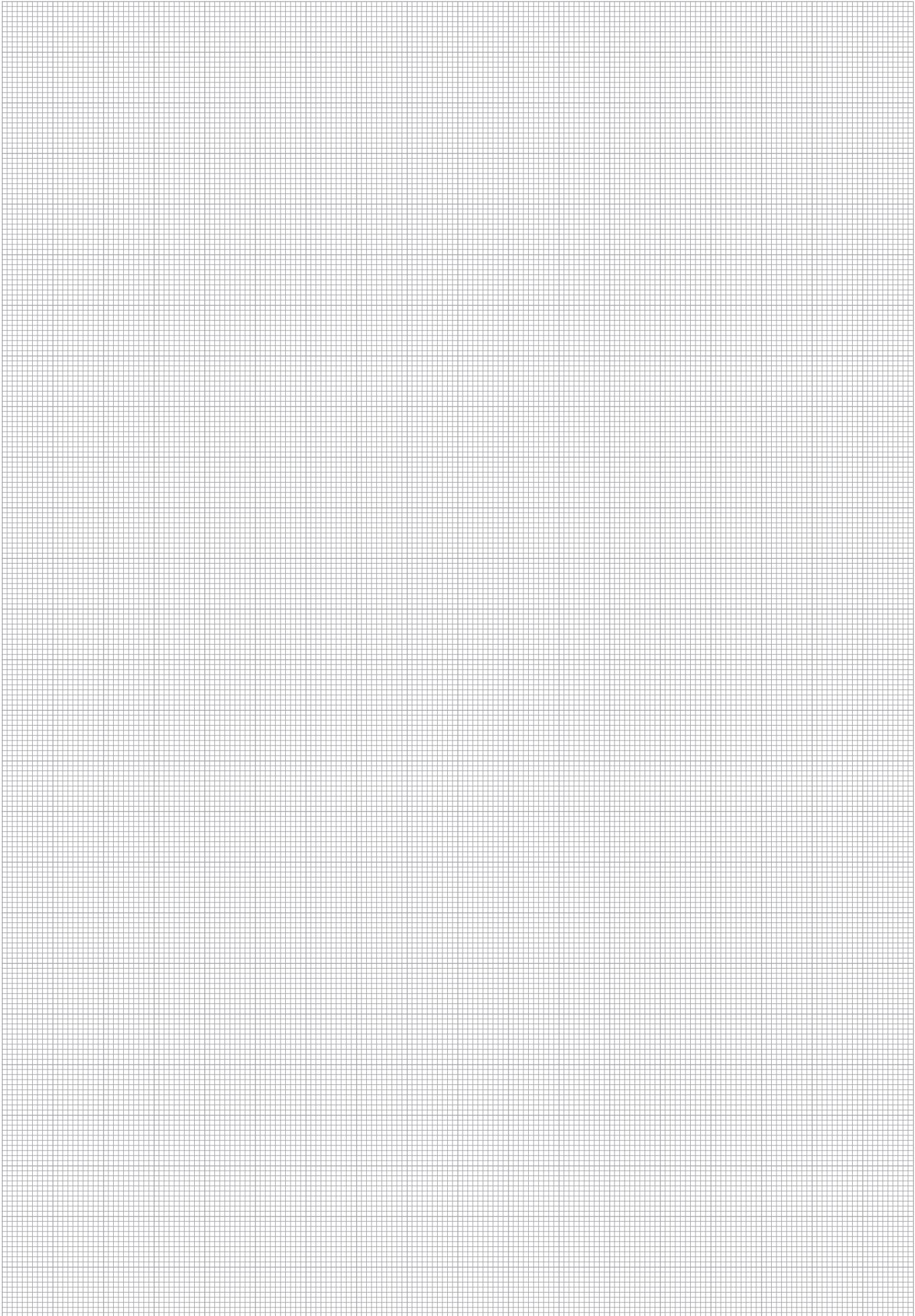
Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
19	30	180	Aluminium with chain	QRC-IA-06-DM-30/CN-W89-SI
.75	1.18	7.09		
30	33	200	Aluminium with chain	QRC-IA-10-DM-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DM-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DM-47/CN-W89-SI
1.77	1.85	10.83		
45	41	290	Aluminium with chain	QRC-IA-25-DM-41/CN-W89-SI
1.77	1.61	11.42		
70	47	275	Aluminium with chain	QRC-IA-31-DM-47/CN-W89-SI
2.76	1.85	10.83		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
19	30	160	Aluminium with chain	QRC-IA-06-DF-30/CN-W89-SI
.75	1.18	6.30		
30	33	200	Aluminium with chain	QRC-IA-10-DF-33/CN-W89-SI
1.18	1.30	7.87		
38	32	205	Aluminium with chain	QRC-IA-12-DF-32/CN-W89-SI
1.50	1.26	8.07		
45	47	275	Aluminium with chain	QRC-IA-19-DF-47/CN-W89-SI
1.77	1.85	10.83		
43	41	240	Aluminium with chain	QRC-IA-25-DF-41/CN-W89-SI
1.69	1.61	9.45		
70	47	275	Aluminium with chain	QRC-IA-31-DF-47/CN-W89-SI
2.76	1.85	10.83		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

IA

IA



Series IB ▪ Carbon Steel
Product Description

Push-to-Connect couplings of the IB Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 B in the following nominal sizes 05, 06, 10, 12, 19, 25, 31, 38, 51 (3/16" - 2").

The proven design is suitable for use in industrial Hydraulic. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series B

Applications

Industrial Hydraulic
Top Features

Zinc/Nickel coating

Designed for secure connection
IB


Series IB • Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	ISO 7241-1, Series B



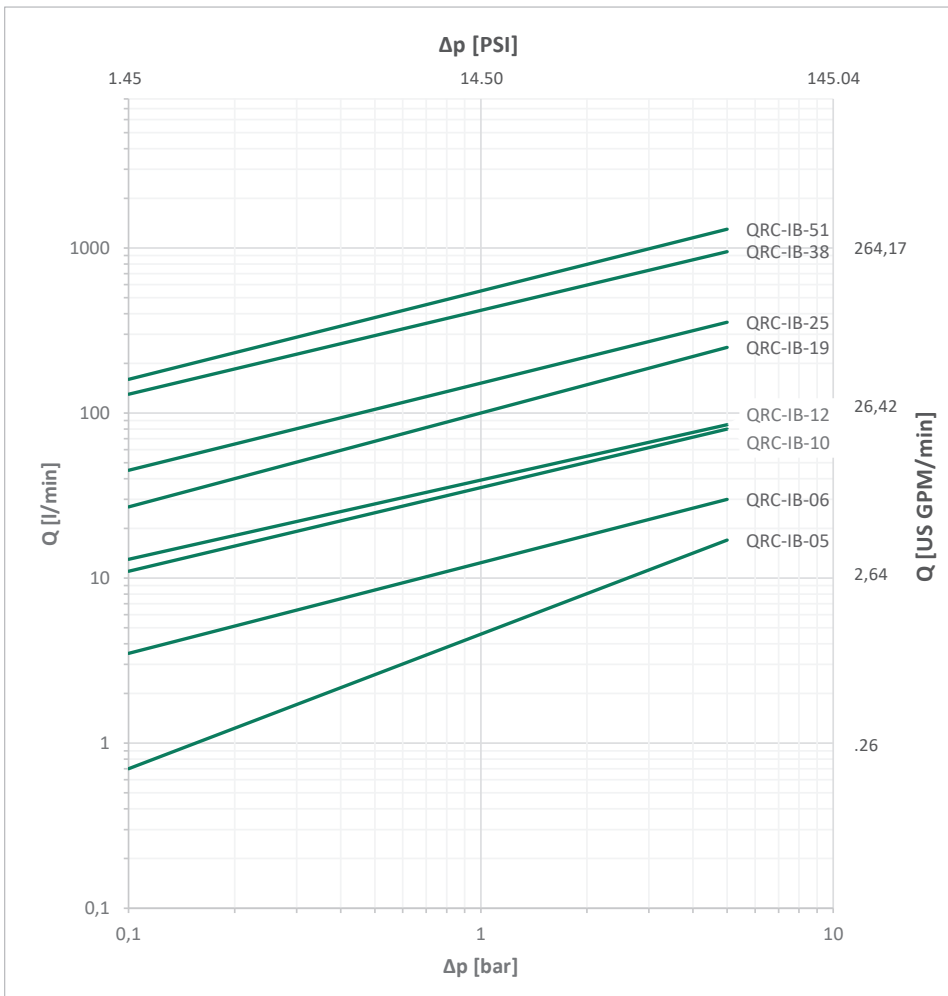
² Alternative seal materials are available on request.

Technical Data

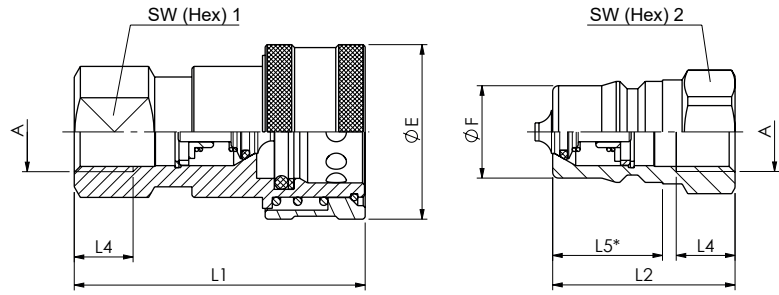
Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IB-05	0	3/16"	5	4,5	1.19	300	4351	2000	29008	2300	33359	2400	34809	0,5	.0169
IB-06	1	1/4"	6,3	18	4.76	250	3626	1250	18130	1250	18130	1250	18130	1	.0338
IB-10	2	3/8"	10	34,5	9.11	250	3626	1250	18130	1250	18130	1250	18130	2,4	.0812
IB-12	3	1/2"	12,5	67,5	17.83	250	3626	1250	18130	1250	18130	1250	18130	3,9	.1319
IB-19	4	3/4"	19 (20)	159	42.00	250	3626	1000	14504	1000	14504	1000	14504	11	.3720
IB-25	6	1"	25	378	99.86	200	2901	1000	14504	1000	14504	1000	14504	19	.6425
IB-38	8	1 1/2"	38	562	148.47	75	1088	300	4351	300	4351	300	4351	95	32.123
IB-51	9	2"	51	840	221.91	63	914	500	7252	500	7252	500	7252	170	57.484

The indicated pressure ratings only apply to the coupling itself and depend on the connection type. Up to DN 25 acc. to ISO 7241-1, Series B

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-05 ▪ BG 0 ▪ Nominal Size 5

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to ANSI B 1.20.3													
	G 1/8"	24	10,9	48	29			17	14	QRC-IB-05-F-G02-BT-W3	8,90	QRC-IB-05-M-G02-B-W3	2
		.94	.43	1.89	1.14			.67	.55		19.62		4.41
	NPTF 1/8" -27	24	10,9	48	29			17	14	QRC-IB-05-F-NF02-BT-W3	8,90	QRC-IB-05-M-NF02-B-W3	2
		.94	.43	1.89	1.14			.67	.55		19.62		4.41

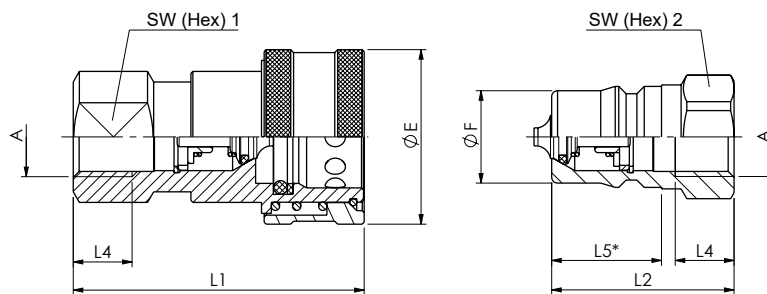
Series IB-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100		
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2						
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3														
	G 1/4"	28,5	14,2	58	36	13		21,5	19	19	QRC-IB-06-F-G04-BT-W3	13,5	QRC-IB-06-M-G04-B-W3	3,81
		1.12	.56	2.28	1.42	.51		.85	.75	.75		29.76		8.40
	NPTF 1/4" -18	28,5	14,2	58	36			21,5	19	19	QRC-IB-06-F-NF04-BT-W3	13,51	QRC-IB-06-M-NF04-B-W3	3,82
		1.12	.56	2.28	1.42			.85	.75	.75		29.78		8.42
Female Thread according to SAE J 1926-1														
	UNF 9/16" -18	28,5	14,2	58	36	13		21,8	19	19	QRC-IB-06-F-U06-BT-W3	12,60	QRC-IB-06-M-U06-B-W3	3,56
		1.12	.56	2.28	1.42	.51		.86	.75	.75		27.78		7.85

Series IB-10 ▪ BG 2 ▪ Nominal Size 10

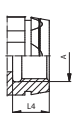

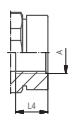
Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100		
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2						
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3														
	G 3/8"	35	19,1	65	40	13		24,2	24	24	QRC-IB-10-F-G06-BT-W3	22,59	QRC-IB-10-M-G06-B-W3	6,82
		1.38	.75	2.56	1.57	.51		.95	.94	.94		49.80		15.04
	NPTF 3/8" -18	35	19,1	65	40			24,2	24	24	QRC-IB-10-F-NF06-BT-W3	22,51	QRC-IB-10-M-NF06-B-W3	6,81
		1.38	.75	2.56	1.57			.95	.94	.94		49.63		15.01
Female Thread according to SAE J 1926-1														
	UNF 3/4" -16	35	19,1	65	40	14,3		24,7	24	24	QRC-IB-10-F-U08-BT-W3	22,30	QRC-IB-10-M-U08-B-W3	6,67
		1.38	.75	2.56	1.57	.56		.97	.94	.94		49.16		14.70

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

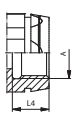



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

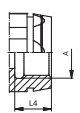

Series IB-12 • BG 3 • Nominal Size 12,5

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3												
 G 1/2"	44,5	23,55	74	46,5	15	27,2	28,5	28,5	QRC-IB-12-F-G08-BT-W3	38,86	QRC-IB-12-M-G08-B-W3	12,36
	1.75	.93	2.91	1.83	.59	1.07	1.12	1.12		85.67		27.25
 NPTF 1/2" -14	44,5	23,55	74	46,5		27,2	28,5	28,5	QRC-IB-12-F-NF08-BT-W3	38,56	QRC-IB-12-M-NF08-B-W3	12,07
	1.75	.93	2.91	1.83		1.07	1.12	1.12		85.01		26.61
Female Thread according to SAE J 1926-1												
 UNF 7/8" -14	44,5	23,55	74	46,5	16,7	27,2	28,5	28,5	QRC-IB-12-F-U10-BT-W3	36,40	QRC-IB-12-M-U10-B-W3	12,3
	1.75	.93	2.91	1.83	.66	1.07	1.12	1.12		80.25		27.12

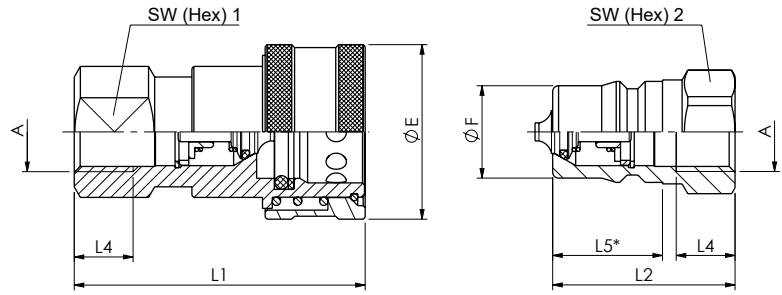
Series IB-19 • BG 4 • Nominal Size 19

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B.1.20.3												
 G 3/4"	54	31,5	92	56	16	34	36	36	QRC-IB-19-F-G12-BT-W3	66,56	QRC-IB-19-M-G12-B-W3	22,3
	2.13	1.24	3.62	2.20	.63	1.34	1.42	1.42		146.74		49.16
 NPTF 3/4" -14	54	31,5	92	56		34	36	36	QRC-IB-19-F-NF12-BT-W3	65,88	QRC-IB-19-M-NF12-B-W3	21,66
	2.13	1.24	3.62	2.20		1.34	1.42	1.42		145.24		47.75

Series IB-25 • BG 6 • Nominal Size 25

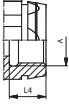
Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B.1.20.3												
 G 1"	63,5	37,8	103	63	21	39,3	41	41	QRC-IB-25-F-G16-BT-W3	101,57	QRC-IB-25-M-G16-B-W3	33,77
	2,50	1,49	4,06	2,48	.83	1,55	1,61	1,61		223,92		74,45
 NPTF 1" -11 1/2	63,5	37,8	103	63		39,3	41	41	QRC-IB-25-F-NF16-BT-W3	102,5	QRC-IB-25-M-NF16-B-W3	34,71
	2,50	1,49	4,06	2,48		1,55	1,61	1,61		225,97		76,52

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

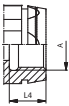


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

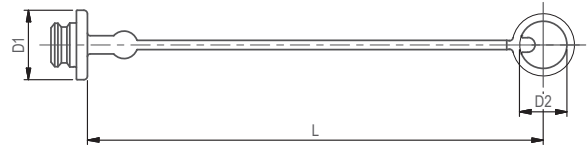
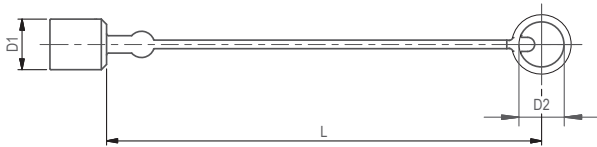
Series IB-38 • BG 8 • Nominal Size 38

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B.1.20.3													
 G 1 1/4"	73,5	44,5	124	122	23,8	52	65	65	QRC-IB-38-F-G20-BT-W3	191,58	QRC-IB-38-M-G20-B-W3	127,51	
	2,89	1,75	4,88	4,80	.94	2,05	2,56	2,56		422,36		281,11	
NPTF 1 1/4" -11 1/2	73,5	44,5	124	122		52	65	65	QRC-IB-38-F-NF20-BT-W3	193,51	QRC-IB-38-M-NF20-B-W3	129,41	
	2,89	1,75	4,88	4,80		2,05	2,56	2,56		426,62		285,30	

Series IB-51 • BG 9 • Nominal Size 51

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B.1.20.3													
 G 2"	101	63,2	141,5	139,2	30,5	63	95	95	QRC-IB-51-F-G32-BT-W3	521,99	QRC-IB-51-M-G32-B-W3	361,76	
	3,98	2,49	5,57	5,48	1,20	2,48	3,74	3,74		1150,79		797,54	
NPTF 2" -11 1/2	101	63,2	141,5	139,2		63	95	95	QRC-IB-51-F-NF32-BT-W3	531,99	QRC-IB-51-M-NF32-B-W3	371,75	
	3,98	2,49	5,57	5,48		2,48	3,74	3,74		1172,84		819,57	

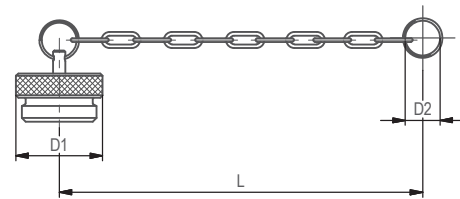
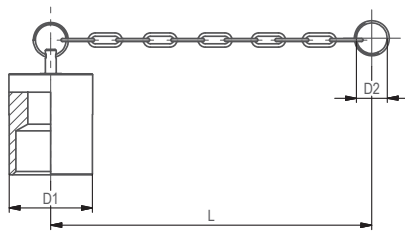
Series IB - Dust Protection



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
18	23	240	Plastic (Colour: Red)	QRC-IB-06-DM-23-KI-RD
.71	.91	9.45		
23	24	240	Plastic (Colour: Red)	QRC-IB-10-DM-24-KI-RD
.91	.94	9.45		
29	28	245	Plastic (Colour: Red)	QRC-IB-12-DM-28-KI-RD
1.14	1.10	9.65		
36,0	38	245	Plastic (Colour: Red)	QRC-IB-19-DM-38-KI-RD
1.42	1.50	9.65		
44	46	253	Plastic (Colour: Red)	QRC-IB-25-DM-46-KI-RD
1.73	1.81	9.96		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
26	23	240	Plastic (Colour: Red)	QRC-IB-06-DF-23-KI-RD
1.02	.91	9.45		
33	24	235	Plastic (Colour: Red)	QRC-IB-10-DF-24-KI-RD
1.30	.94	9.25		
38	28	240	Plastic (Colour: Red)	QRC-IB-12-DF-28-KI-RD
1.50	1.10	9.45		
49	38	240	Plastic (Colour: Red)	QRC-IB-19-DF-38-KI-RD
1.93	1.50	9.45		
60	46	245	Plastic (Colour: Red)	QRC-IB-25-DF-46-KI-RD
2.36	1.81	9.65		

IB



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
22	22	245	Aluminium with chain	QRC-IB-06-DM-28/CN-W89-SI
.87	.87	9.65		
27	30	155	Aluminium with chain	QRC-IB-10-DM-30/CN-W89-SI
1.06	1.18	6.10		
35	41	265	Aluminium with chain	QRC-IB-12-DM-41/CN-W89-SI
1.38	1.61	10.43		
42	30	250	Aluminium with chain	QRC-IB-19-DM-30/CN-W89-SI
1.65	1.18	9.84		
48	49	340	Aluminium with chain	QRC-IB-25-DM-49/CN-W89-SI
1.89	1.93	13.39		
55	46	225	Aluminium with chain	QRC-IB-38-DM-46/CN-W89-SI
2.17	1.81	8.86		
80	75	350	Aluminium with chain	QRC-IB-51-DM-75/CN-W89-SI
3.15	2.95	13.78		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
22	22	210	Aluminium with chain	QRC-IB-06-DF-30/CN-W89-SI
.87	.87	8.27		
22	30	155	Aluminium with chain	QRC-IB-10-DF-30/CN-W89-SI
.87	1.18	6.10		
28	41	305	Aluminium with chain	QRC-IB-12-DF-41/CN-W89-SI
1.10	1.61	12.01		
35	43	265	Aluminium with chain	QRC-IB-19-DF-43/CN-W89-SI
1.38	1.69	10.43		
44	41	240	Aluminium with chain	QRC-IB-25-DF-41/CN-W89-SI
1.73	1.61	9.45		
74	46	225	Aluminium with chain	QRC-IB-38-DF-46/CN-W89-SI
2.91	1.81	8.86		
105	75	350	Aluminium with chain	QRC-IB-51-DF-75/CN-W89-SI
4.13	2.95	13.78		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

Series IB • Brass**Product Description**

Push-to-Connect couplings of the IB Series made of brass from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 B in the following nominal sizes 06, 10, 12, 19, 25 (1/4" - 1").

The proven design is suitable for use in industrial Hydraulic. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made of brass
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series B

Applications**Industrial Hydraulic****Top Features****Designed for secure connection****IB**

Series IB • Brass

Material	Brass
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®) ²
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	Up to DN 25 according to ISO 7241-1, Series B



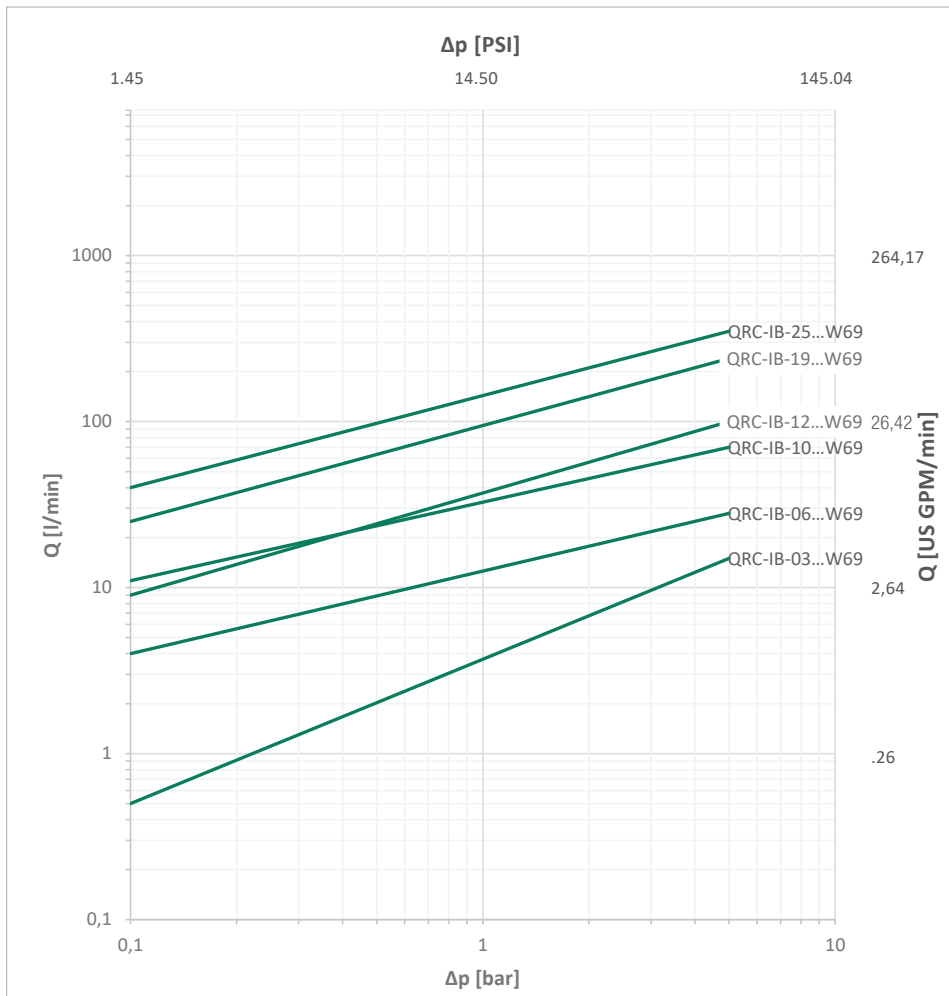
² Alternative seal materials are available on request.

Technical Data

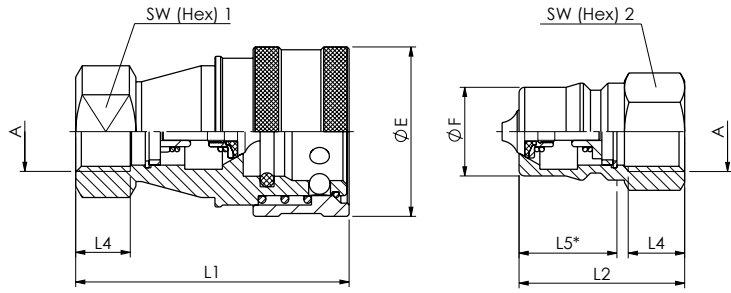
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IB-06	1	1/4"	6,3	18	4.76	160	2321	640	9282	600	8702	600	8702	1	.0338
IB-10	2	3/8"	10	34,5	9.11	160	2321	640	9282	640	9282	640	9282	2,4	.0812
IB-12	3	1/2"	12,5	67,5	17.83	160	2321	640	9282	640	9282	600	8702	3,9	.1319
IB-19	4	3/4"	19 (20)	159	42.00	125	1813	500	7252	500	7252	500	7252	11	.3720
IB-25	6	1"	25	283	74.76	100	1450	400	5802	400	5802	400	5802	19	.6425

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (^{mm} / _{in})								Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØE	ØF	L1	L2	L4	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/4"	28,5	14,2	58	36	13	21,5	19	19	QRC-IB-06-F-G04-VT-W69	14,45	QRC-IB-06-M-G04-V-W69	3,28
		1.12	.56	2.28	1.42	.51	.85	.75	.75		31.86		7.23
	NPTF 1/4" -18	28,5	14,2	58	36		21,5	19	19	QRC-IB-06-F-NF04-VT-W69	14,55	QRC-IB-06-M-NF04-V-W69	3,38
		1.12	.56	2.28	1.42		.85	.75	.75		32.08		7.45

Series IB-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (^{mm} / _{in})								Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØE	ØF	L1	L2	L4	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/8"	35	19,1	65	40	13	28,2	24	22	QRC-IB-10-F-G06-VT-W69	22,46	QRC-IB-10-M-G06-V-W69	7,11
		1.38	.75	2.56	1.57	.51	1.11	.94	.87		49.52		15.67
	NPTF 3/8" -18	35	19,1	65	40		28,2	24	22	QRC-IB-10-F-NF06-VT-W69	22,65	QRC-IB-10-M-NF06-V-W69	7,21
		1.38	.75	2.56	1.57		1.11	.94	.87		49.93		15.90

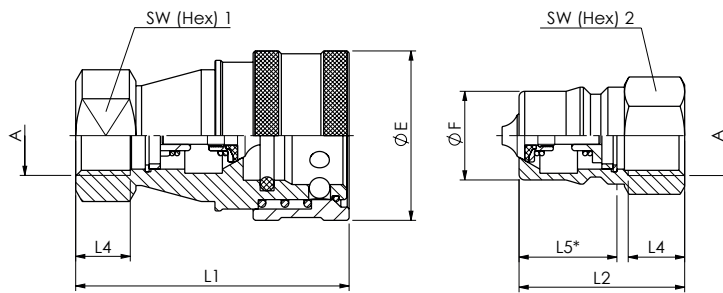
Series IB-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (^{mm} / _{in})								Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØE	ØF	L1	L2	L4	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/2"	45	23,55	72,6	44	14,5	27,2	29	27	QRC-IB-12-F-G08-VT-W69	45,33	QRC-IB-12-M-G08-V-W69	11,16
		1.77	.93	2.86	1.73	.57	1.07	1.14	1.06		99.94		24.60
	NPTF 1/2" -14	45	23,55	72,6	44		27,2	29	27	QRC-IB-12-F-NF08-VT-W69	45,72	QRC-IB-12-M-NF08-V-W69	11,54
		1.77	.93	2.86	1.73		1.07	1.14	1.06		100.80		25.44

Series IB-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (^{mm} / _{in})								Female Body Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} / _{lbs}) ca. per 100	
	ØE	ØF	L1	L2	L4	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/4"	54	31,5	88,2	52	16	34	36	36	QRC-IB-19-F-G12-VT-W69	71,75	QRC-IB-19-M-G12-V-W69	23,19
		2.13	1.24	3.47	2.05	.63	1.34	1.42	1.42		158.18		51.13
	NPTF 3/4" -14	54	31,5	88,2	52		34	36	36	QRC-IB-19-F-NF12-VT-W69	72,11	QRC-IB-19-M-NF12-V-W69	23,58
		2.13	1.24	3.47	2.05		1.34	1.42	1.42		158.98		51.99

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

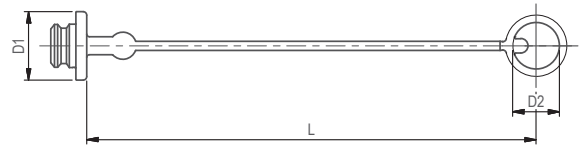
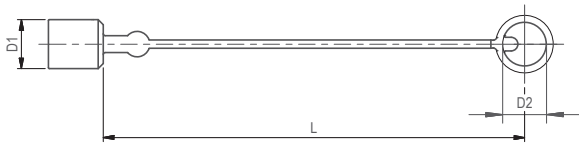


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-25 ▪ BG 6 ▪ Nominal Size 25

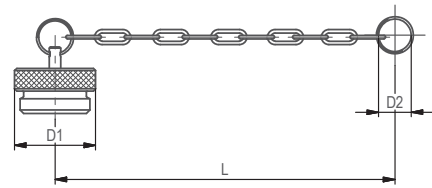
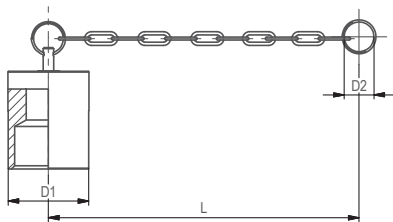
Port A	Dimensions (mm/in)									Female Body	Weight (kg/lbs) ca. per 100	Male Tip	Weight (kg/lbs) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Ordering Codes	Ordering Codes			
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	65	37,8	102	62	20	39,3	41	40	QRC-IB-25-F-G16-VT-W69	108,96	QRC-IB-25-M-G16-V-W69	36,43
		2,56	1,49	4,02	2,44	.79	1,55	1,61	1,57		240,22		80,31
	NPTF 1" -11 1/2	65	37,8	102	62		39,3	41	40	QRC-IB-25-F-NF16-VT-W69	109,16	QRC-IB-25-M-NF16-V-W69	36,62
		2,56	1,49	4,02	2,44		1,55	1,61	1,57		240,66		80,73

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IB • Dust Protection


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
18	23	240	Plastic (Colour: Red)	QRC-IB-06-DM-23-KI-RD
.71	.91	9.45		
23	24	240	Plastic (Colour: Red)	QRC-IB-10-DM-24-KI-RD
.91	.94	9.45		
29	28	245	Plastic (Colour: Red)	QRC-IB-12-DM-28-KI-RD
1.14	1.10	9.65		
36,0	38	245	Plastic (Colour: Red)	QRC-IB-19-DM-38-KI-RD
1.42	1.50	9.65		
44	44	253	Plastic (Colour: Red)	QRC-IB-25-DM-44-KI-RD
1.73	1.73	9.96		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
26	23	240	Plastic (Colour: Red)	QRC-IB-06-DF-23-KI-RD
1.02	.91	9.45		
33	25	235	Plastic (Colour: Red)	QRC-IB-10-DF-25-KI-RD
1.30	.98	9.25		
38	29	240	Plastic (Colour: Red)	QRC-IB-12-DF-29-KI-RD
1.50	1.14	9.45		
49	38	240	Plastic (Colour: Red)	QRC-IB-19-DF-38-KI-RD
1.93	1.50	9.45		
60	46	245	Plastic (Colour: Red)	QRC-IB-25-DF-46-KI-RD
2.36	1.81	9.65		

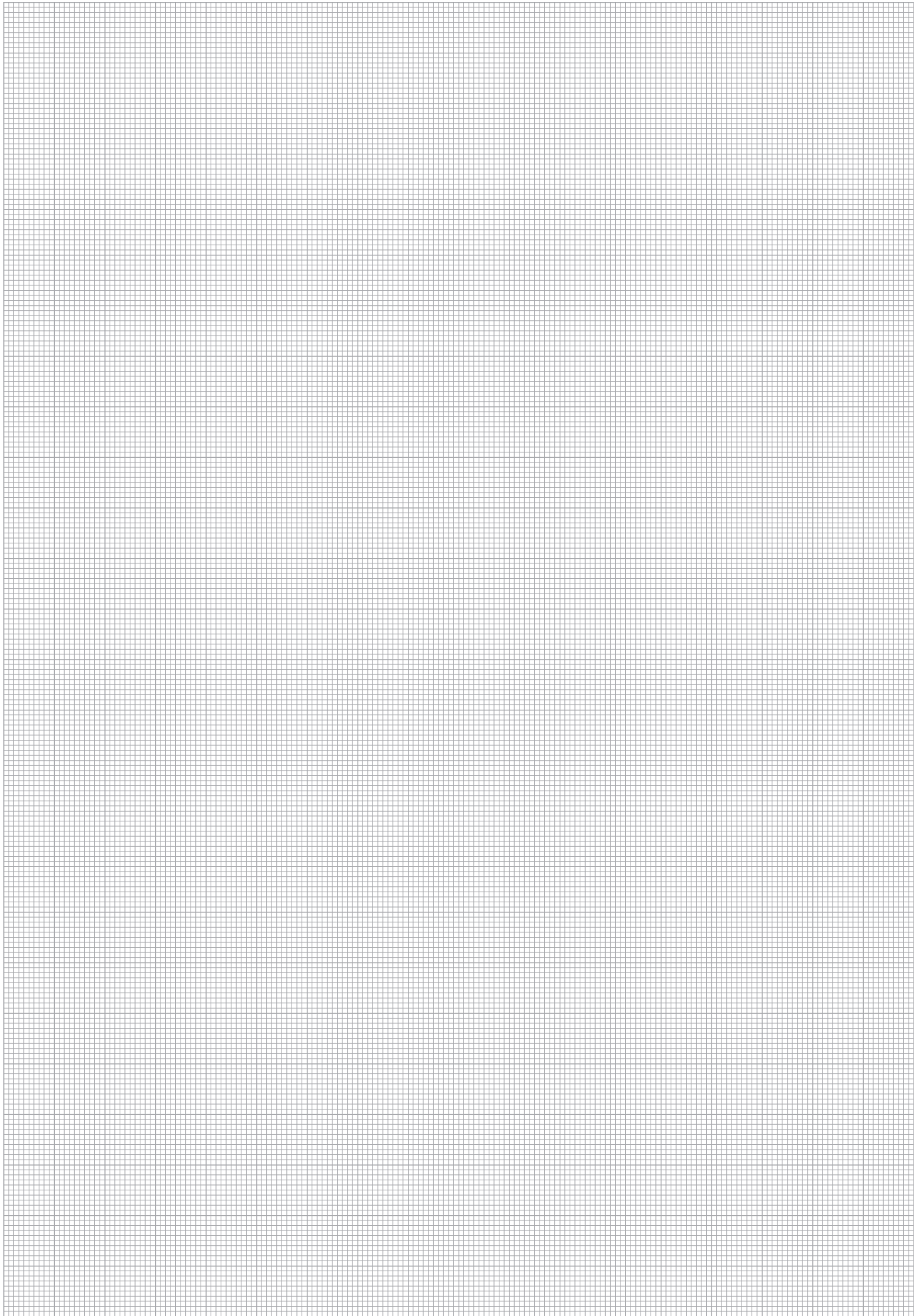


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
22	22	245	Aluminium with chain	QRC-IB-06-DM-28/CN-W89-SI
.87	.87	9.65		
27	30	155	Aluminium with chain	QRC-IB-10-DM-30/CN-W89-SI
1.06	1.18	6.10		
35	41	265	Aluminium with chain	QRC-IB-12-DM-41/CN-W89-SI
1.38	1.61	10.43		
42	30	250	Aluminium with chain	QRC-IB-19-DM-30/CN-W89-SI
1.65	1.18	9.84		
48	49	340	Aluminium with chain	QRC-IB-25-DM-49/CN-W89-SI
1.89	1.93	13.39		
55	46	225	Aluminium with chain	QRC-IB-38-DM-46/CN-W89-SI
2.17	1.81	8.86		
80	75	350	Aluminium with chain	QRC-IB-51-DM-75/CN-W89-SI
3.15	2.95	13.78		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
22	22	210	Aluminium with chain	QRC-IB-06-DF-30/CN-W89-SI
.87	.87	8.27		
22	30	155	Aluminium with chain	QRC-IB-10-DF-30/CN-W89-SI
.87	1.18	6.10		
28	41	305	Aluminium with chain	QRC-IB-12-DF-41/CN-W89-SI
1.10	1.61	12.01		
35	43	265	Aluminium with chain	QRC-IB-19-DF-43/CN-W89-SI
1.38	1.69	10.43		
44	41	240	Aluminium with chain	QRC-IB-25-DF-41/CN-W89-SI
1.73	1.61	9.45		
74	46	225	Aluminium with chain	QRC-IB-38-DF-46/CN-W89-SI
2.91	1.81	8.86		
105	75	350	Aluminium with chain	QRC-IB-51-DF-75/CN-W89-SI
4.13	2.95	13.78		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

IB



Series IB • Stainless Steel
Product Description

Push-to-Connect couplings of the IB Series made of stainless steel from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 7241-1 B in the following nominal sizes 06, 10, 12, 19, 25, 38, 51 (1/4" - 2").

The proven design is suitable for use in industrial Hydraulic. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve
- Coupling made of stainless steel (AISI 316)
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 7241-1 Series B

Applications

Industrial Hydraulic

Offshore Industry
Top Features

Designed for secure connection
IB


Series IB ▪ Stainless Steel

Material	Stainless Steel V4A (AISI 316)
Surface Finishing	-
Standard Seal Material(s)	FKM (Viton®) ²
Working Temperature	-25° C ... +200° C / -13° F ... +392° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	Up to DN 25 according to ISO 7241-1, Series B



² Alternative seal materials are available on request.

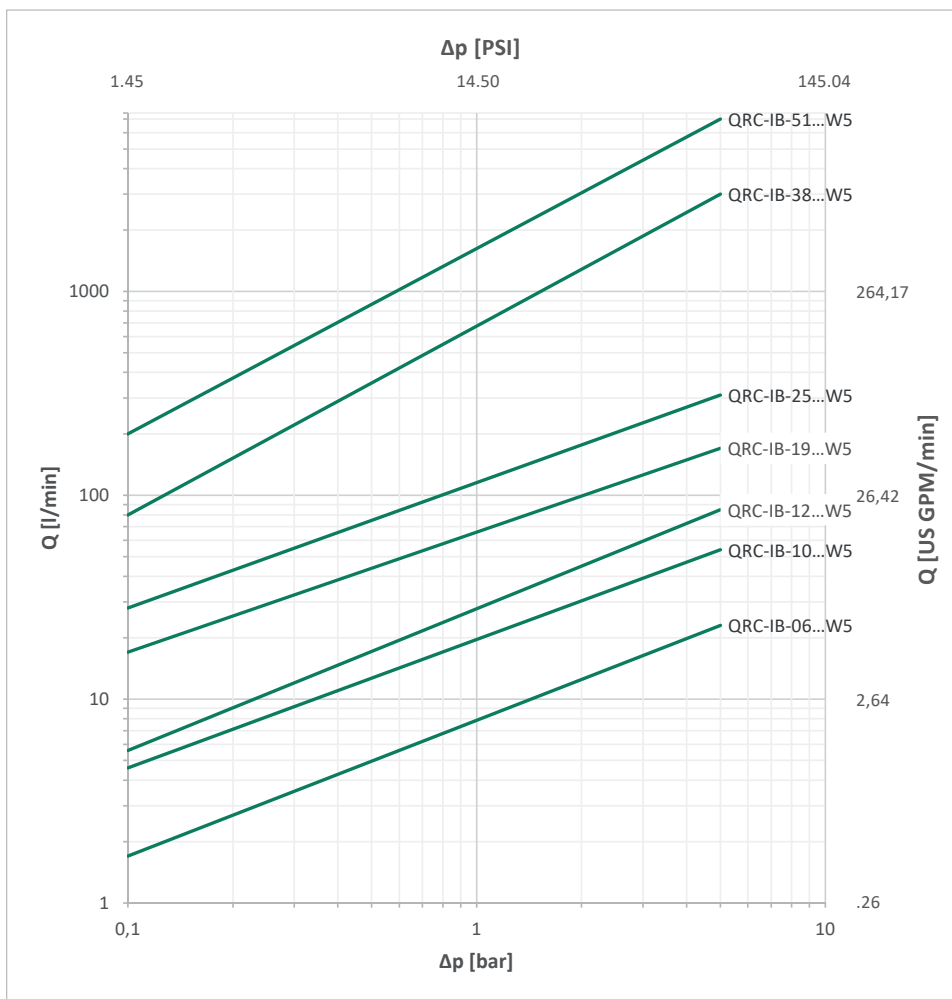
Technical Data

Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IB-06	1	1/4"	6,3	24	6.34	350	5076	1600	23206	1500	21756	1700	24656	1	.0338
IB-10	2	3/8"	10	46	12.15	300	4351	2100	30458	1100	15954	1100	15954	2,4	.0812
IB-12	3	1/2"	12,5	90	23.78	300	4351	1500	21756	1400	20305	1500	21756	3,9	.1319
IB-19	4	3/4"	19 (20)	220	58.12	220	3191	1000	14504	900	13053	1000	14504	11	.3720
IB-25	6	1"	25	260	68.68	200	2901	850	12328	650	9427	600	8702	19	.6425
IB-38	8	1 1/2"	38	757	199.98	80	1160	250	3626	250	3626	250	3626	95	32.123
IB-51	9	2"	51	1000	264.17	60	870	200	2901	200	2901	200	2901	170	57.484

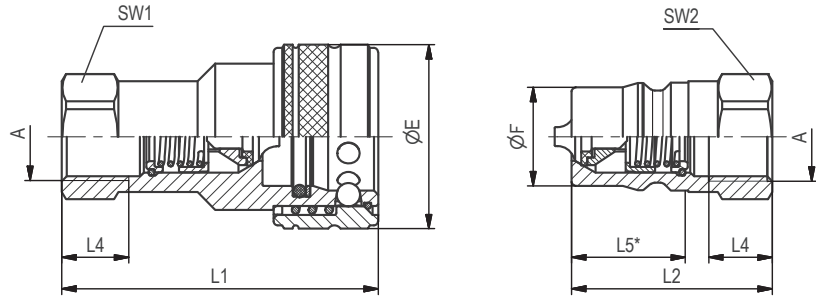
IB

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/4"	28	14,2	60	38	12	21,5	19	19	QRC-IB-06-F-G04-VT-W5	13 28.66	QRC-IB-06-M-G04-V-W5	4 8.82
	NPTF 1/4" -18	28	14,2	60	38		21,5	19	19	QRC-IB-06-F-NF04-VT-W5	13,10 28.88	QRC-IB-06-M-NF04-V-W5	4,10 9.04

Series IB-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/8"	35	19,1	65,2	40,5	12	24,2	22	22	QRC-IB-10-F-G06-VT-W5	19,70 43.43	QRC-IB-10-M-G06-V-W5	6 13.23
	NPTF 3/8" -18	35	19,1	65,2	40,5		24,2	22	22	QRC-IB-10-F-NF06-VT-W5	19,80 43.65	QRC-IB-10-M-NF06-V-W5	6,10 13.45

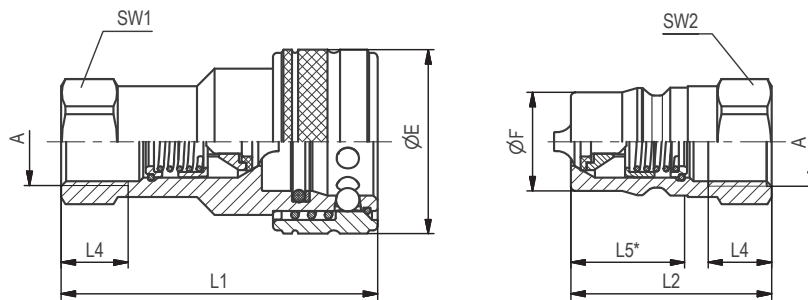
Series IB-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/2"	44	23,55	73,7	46	14	27,2	27	27	QRC-IB-12-F-G08-VT-W5	34,60 76.28	QRC-IB-12-M-G08-V-W5	10,70 23.59
	NPTF 1/2" -14	44	23,55	73,7	46		27,2	27	27	QRC-IB-12-F-NF08-VT-W5	35 77.16	QRC-IB-12-M-NF08-V-W5	10,90 24.03

Series IB-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/4"	51,8	31,45	91,5	57	16	34	34	34	QRC-IB-19-F-G12-VT-W5	56 123.46	QRC-IB-19-M-G12-V-W5	21 46.30
	NPTF 3/4" -14	51,8	31,45	91,5	57		34	34	34	QRC-IB-19-F-NF12-VT-W5	56,50 124.56	QRC-IB-19-M-NF12-V-W5	21,50 47.40

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-25 ▪ BG 6 ▪ Nominal Size 25

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	60	37,8	103,8	63,5	18	39,3	41	41	QRC-IB-25-F-G16-VT-W5	90,80	QRC-IB-25-M-G16-V-W5	34,20
		2.36	1.49	4.09	2.50	.71	1.55	1.61	1.61		200.18		75.40
	NPTF 1" -11 1/2	60	37,8	103,8	63,5		39,3	41	41	QRC-IB-25-F-NF16-VT-W5	91,80	QRC-IB-25-M-NF16-V-W5	35,20
		2.36	1.49	4.09	2.50		1.55	1.61	1.61		202.38		77.60

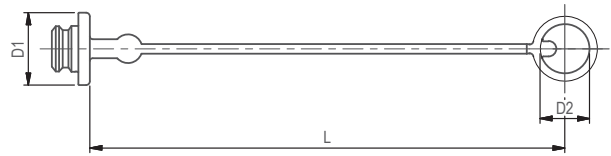
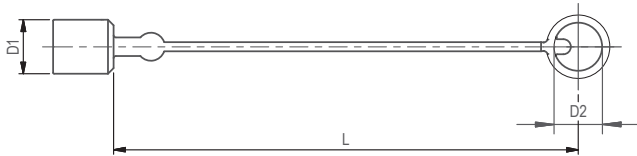
Series IB-38 ▪ BG 8 ▪ Nominal Size 38

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1 1/4"	78,5	44,45	126,5	127	20	52	65	65	QRC-IB-38-F-G20-VT-W5	216,60	QRC-IB-38-M-G20-V-W5	138,20
		3.09	1.75	4.98	5.00	.79	2.05	2.56	2.56		477.52		304.68
	NPTF 1 1/4" -11 1/2	78,5	44,45	126,5	127		52	65	65	QRC-IB-38-F-NF20-VT-W5	217,80	QRC-IB-38-M-NF20-V-W5	139,40
		3.09	1.75	4.98	5.00		2.05	2.56	2.56		480.17		307.32
	G 1 1/2"	78,5	44,45	126,5	127	22	52	65	65	QRC-IB-38-F-G24-VT-W5	208	QRC-IB-38-M-G24-V-W5	130,40
		3.09	1.75	4.98	5.00	.87	2.05	2.56	2.56		458.56		287.48
	NPTF 1 1/2" -11 1/2	78,5	44,45	126,5	127		52	65	65	QRC-IB-38-F-NF24-VT-W5	209,50	QRC-IB-38-M-NF24-V-W5	132
		3.09	1.75	4.98	5.00		2.05	2.56	2.56		461.87		291.01

Series IB-51 ▪ BG 9 ▪ Nominal Size 51

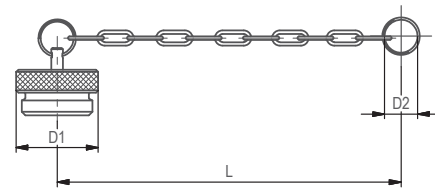
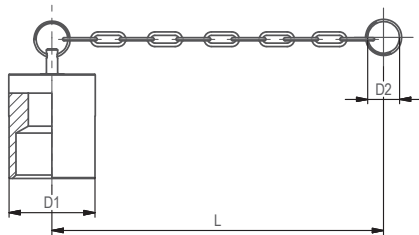
Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 2"	105	63,2	142	142,5	24	63,5	90	90	QRC-IB-51-F-G32-VT-W5	497	QRC-IB-51-M-G32-V-W5	329
		4.13	2.49	5.59	5.61	.94	2.50	3.54	3.54		1095.70		725.32
	NPTF 2" -11 1/2	105	63,2	142	142,5		63,5	90	90	QRC-IB-51-F-NF32-VT-W5	505	QRC-IB-51-M-NF32-V-W5	330
		4.13	2.49	5.59	5.61		2.50	3.54	3.54		1113.33		727.53

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series IB • Dust Protection


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
18	23	240	Plastic (Colour: Red)	QRC-IB-06-DM-23-KI-RD
.71	.91	9.45		
23	24	240	Plastic (Colour: Red)	QRC-IB-10-DM-24-KI-RD
.91	.94	9.45		
29	28	245	Plastic (Colour: Red)	QRC-IB-12-DM-28-KI-RD
1.14	1.10	9.65		
36,0	38	245	Plastic (Colour: Red)	QRC-IB-19-DM-38-KI-RD
1.42	1.50	9.65		
44	44	253	Plastic (Colour: Red)	QRC-IB-25-DM-44-KI-RD
1.73	1.73	9.96		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
26	23	240	Plastic (Colour: Red)	QRC-IB-06-DF-23-KI-RD
1.02	.91	9.45		
33	25	235	Plastic (Colour: Red)	QRC-IB-10-DF-25-KI-RD
1.30	.98	9.25		
38	29	240	Plastic (Colour: Red)	QRC-IB-12-DF-29-KI-RD
1.50	1.14	9.45		
49	38	240	Plastic (Colour: Red)	QRC-IB-19-DF-38-KI-RD
1.93	1.50	9.45		
60	46	245	Plastic (Colour: Red)	QRC-IB-25-DF-46-KI-RD
2.36	1.81	9.65		

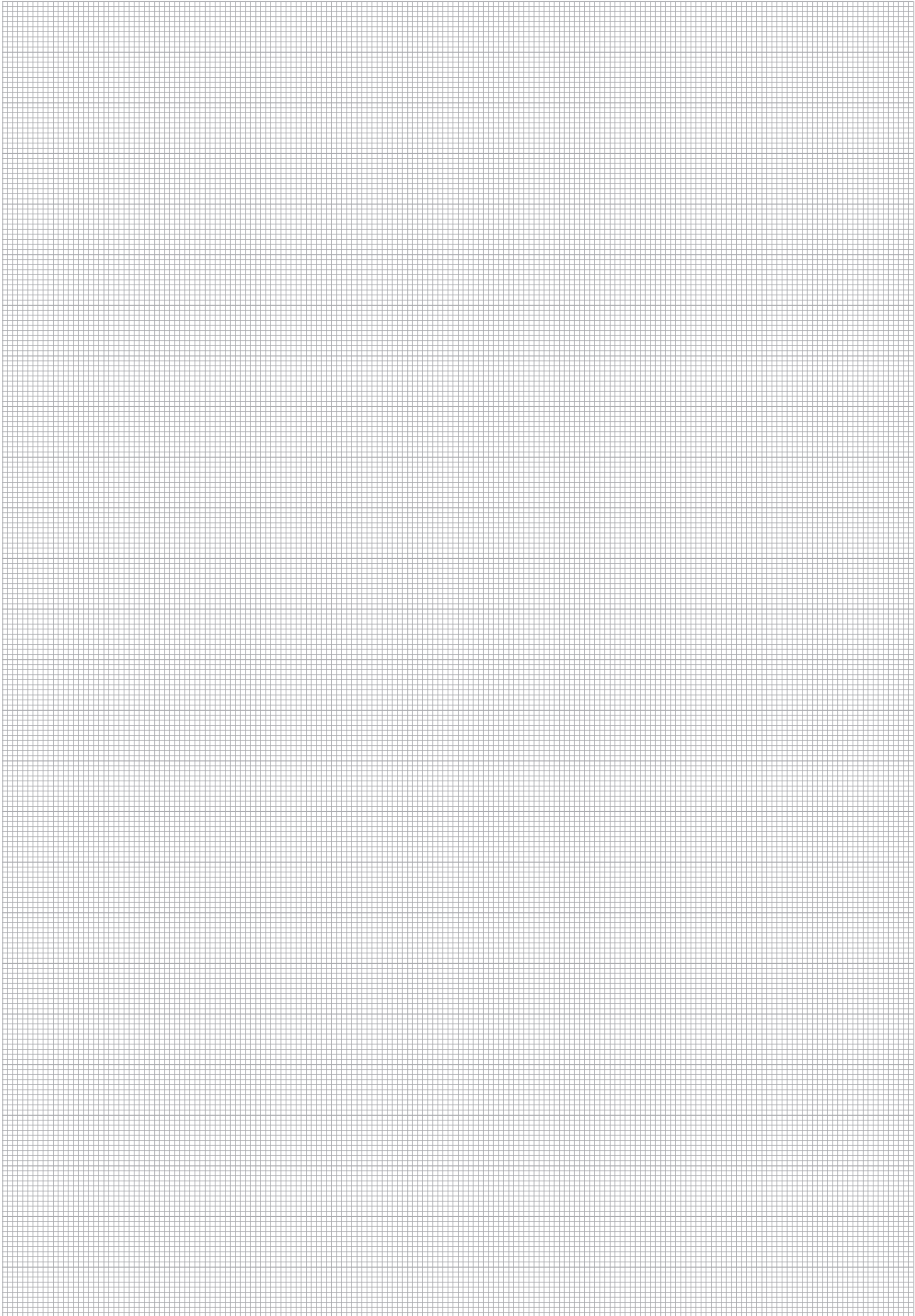


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
22	22	245	Aluminium with chain	QRC-IB-06-DM-28/CN-W89-SI
.87	.87	9.65		
27	30	155	Aluminium with chain	QRC-IB-10-DM-30/CN-W89-SI
1.06	1.18	6.10		
35	41	265	Aluminium with chain	QRC-IB-12-DM-41/CN-W89-SI
1.38	1.61	10.43		
42	30	250	Aluminium with chain	QRC-IB-19-DM-30/CN-W89-SI
1.65	1.18	9.84		
48	49	340	Aluminium with chain	QRC-IB-25-DM-49/CN-W89-SI
1.89	1.93	13.39		
55	46	225	Aluminium with chain	QRC-IB-38-DM-46/CN-W89-SI
2.17	1.81	8.86		
80	75	350	Aluminium with chain	QRC-IB-51-DM-75/CN-W89-SI
3.15	2.95	13.78		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
22	22	210	Aluminium with chain	QRC-IB-06-DF-30/CN-W89-SI
.87	.87	8.27		
22	30	155	Aluminium with chain	QRC-IB-10-DF-30/CN-W89-SI
.87	1.18	6.10		
28	41	305	Aluminium with chain	QRC-IB-12-DF-41/CN-W89-SI
1.10	1.61	12.01		
35	43	265	Aluminium with chain	QRC-IB-19-DF-43/CN-W89-SI
1.38	1.69	10.43		
44	41	240	Aluminium with chain	QRC-IB-25-DF-41/CN-W89-SI
1.73	1.61	9.45		
74	46	225	Aluminium with chain	QRC-IB-38-DF-46/CN-W89-SI
2.91	1.81	8.86		
105	75	350	Aluminium with chain	QRC-IB-51-DF-75/CN-W89-SI
4.13	2.95	13.78		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

IB



Series ID - Carbon Steel
Product Description

Push-to-Connect couplings of the ID Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed in the following nominal sizes 06, 10, 12, 19, 25 (1/4" - 1").

The proven design is suitable for use in agricultural and forestry machinery and hydraulic attachments. Other applications may, depending on the pressure and flow characteristics, include construction equipment, oil tools, oil equipment steel mill machinery, and other demanding industrial hydraulic applications.

Features

- poppet valve (open automatically when coupled, within rated working pressure, to keep the flow laminar)
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling

Applications


Agricultural and Forestry Machinery



Industrial Hydraulic

Top Features


Zinc/Nickel coating



Designed for secure connection

ID



Series ID • Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	-



² Alternative seal materials are available on request.

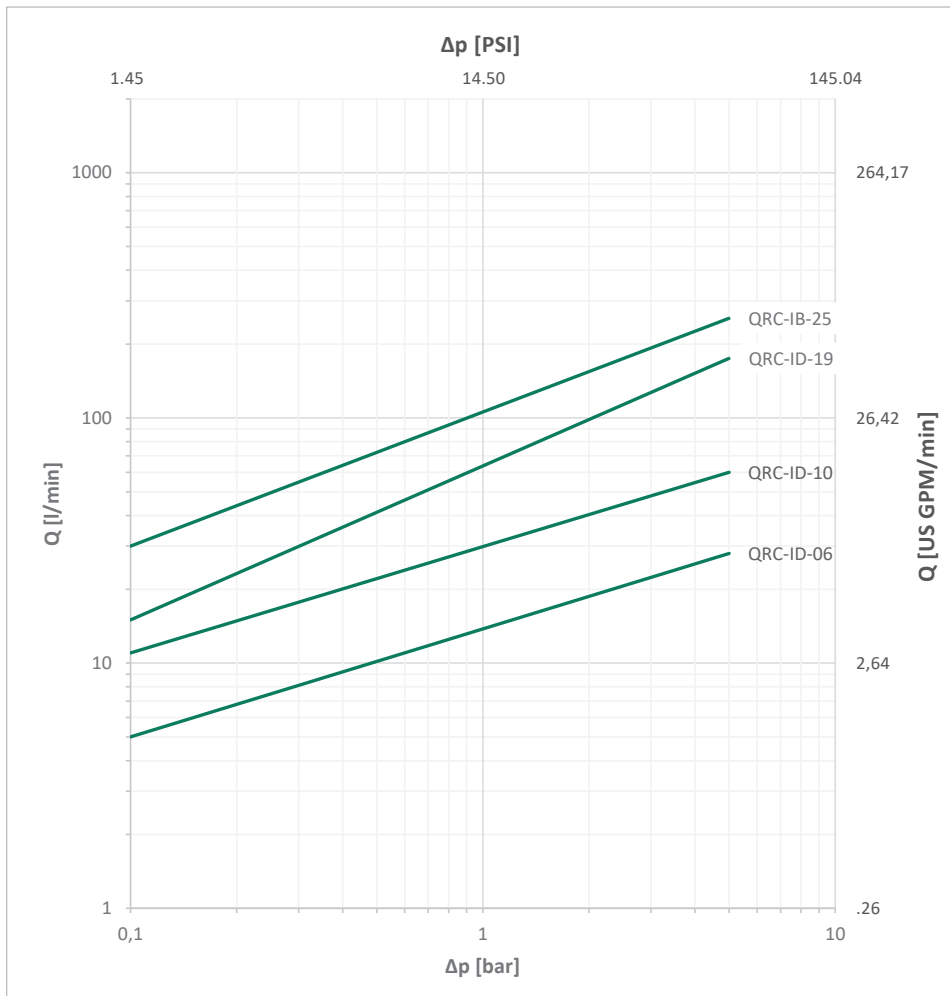
Technical Data

Series	BG	DN Zoll	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
ID-06	1	1/4"	6,3	18	4.76	400	5802	1700	24656	1400	20305	1600	23206	1	.0338
ID-10	2	3/8"	10	34,5	9.11	350	5076	1500	21756	1400	20305	1400	20305	2,4	.0812
ID-12	Technical data according to QRC-IA-12 Series, see page 58														
ID-19	4	3/4"	19 (20)	159	42.00	250	3626	1000	14504	1000	14504	750	10878	8,6	.2908
ID-25	6	1"	25	378	99.86	250	3626	1000	14504	1000	14504	750	10878	13	.4396

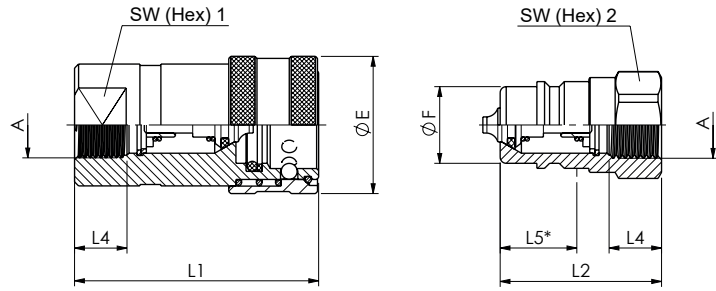
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

ID

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series ID-19.
* Insertion Male Tip.

Series ID-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/4"	27,6	14,2	55,5	36	12	17,2	22	19	QRC-ID-06-F-G04-BT-W3	13,64	QRC-ID-06-M-G04-B-W3	4,71
		1,09	.56	2,19	1,42	.47	.68	.87	.75		30,07		10,38
	NPTF 1/4" -18	27,6	14,2	55,5	36		17,2	22	19	QRC-ID-06-F-NF04-BT-W3	13,64	QRC-ID-06-M-NF04-B-W3	4,71
		1,09	.56	2,19	1,42		.68	.87	.75		30,07		10,38

Series ID-10 ▪ BG 2 ▪ Nominal Size 10

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/8"	34	19	60,5	40	13	20	24	24	QRC-ID-10-F-G06-BT-W3	25,14	QRC-ID-10-M-G06-B-W3	7,95
		1,34	.75	2,38	1,57	.51	.79	.94	.94		55,42		17,53
	NPTF 3/8" -18	34	19	60,5	40		20	24	24	QRC-ID-10-F-NF06-BT-W3	25,14	QRC-ID-10-M-NF06-B-W3	7,95
		1,34	.75	2,38	1,57		.79	.94	.94		55,42		17,53

Series ID-19 ▪ BG 4 ▪ Nominal Size 19

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/4"	47,5	26,9	83	51	18	28,5	35	33	QRC-ID-19-F-G12-BT-W3	51,72	QRC-ID-19-M-G12-B-W3	15,44
		1,87	1,06	3,27	2,01	.71	1,12	1,38	1,30		114,02		34,04
	NPTF 3/4" -14	47,5	26,9	83	51		28,5	35	33	QRC-ID-19-F-NF12-BT-W3	51,72	QRC-ID-19-M-NF12-B-W3	15,44
		1,87	1,06	3,27	2,01		1,12	1,38	1,30		114,02		34,04

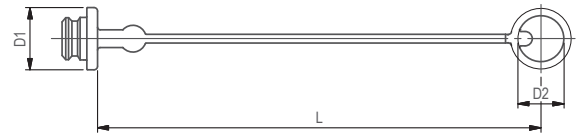
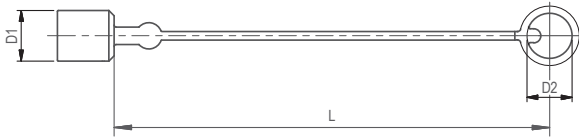
Series ID-25 ▪ BG 6 ▪ Nominal Size 25

Port A	Dimensions (mm/in)								Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100	
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	56,2	31,3	97,5	64	21	33	41	41	QRC-ID-25-F-G16-BT-W3	95,77	QRC-ID-25-M-G16-B-W3	27,01
		2,21	1,23	3,84	2,52	.83	1,30	1,61	1,61		211,14		59,55
	NPTF 1" -11 1/2	56,2	31,3	97,5	64		33	41	41	QRC-ID-25-F-NF16-BT-W3	96,55	QRC-ID-25-M-NF16-B-W3	27,11
		2,21	1,23	3,84	2,52		1,30	1,61	1,61		212,86		59,77

Series ID-12: Technical data according to QRC-IA-12 Series, see page 60

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series ID ▪ Dust Protection



Dimensions (^{mm} / _{in})			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
22	25	210	Plastic (Colour: Red)	QRC-ID-06-DM-25-KI-RD
.87	.98	8.27		
27	24	205	Plastic (Colour: Red)	QRC-ID-10-DM-24-KI-RD
1.06	.94	8.07		
37	33	270	Plastic (Colour: Red)	QRC-ID-19-DM-33-KI-RD
1.46	1.30	10.63		
41,0	39	290	Plastic (Colour: Red)	QRC-ID-25-DM-39-KI-RD
1.61	1.54	11.42		

Dimensions (^{mm} / _{in})			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
25	18	205	Plastic (Colour: Red)	QRC-ID-06-DF-18-KI-RD
.98	.71	8.07		
30	24	235	Plastic (Colour: Red)	QRC-ID-10-DF-24-KI-RD
1.18	.94	9.25		
44	33	270	Plastic (Colour: Red)	QRC-ID-19-DF-33-KI-RD
1.73	1.30	10.63		
50	39	290	Plastic (Colour: Red)	QRC-ID-25-DF-39-KI-RD
1.97	1.54	11.42		

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

Series BP • Carbon Steel
Product Description

Push-to-Connect couplings of the BP Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed according to ISO 5676 in the nominal size 12,5 (1/2").

The proven design is suitable for use in hydraulic braking systems of tractors and trailers.

Features

- Flat Face
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling
- ISO Interchange acc. to ISO 5676
- Female body is supplied with a parking station
- Male tip can be panel mounted

Applications


Agricultural and Forestry Machinery



Hydraulic trailers

Top Features


Zinc/Nickel coating



Suitable for panel mounting



Designed for secure connection

BP



parking station for female body

Series BP ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®), PTFE ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural and Forestry Machinery
ISO Interchange	ISO 5676



²Alternative seal materials are available on request.

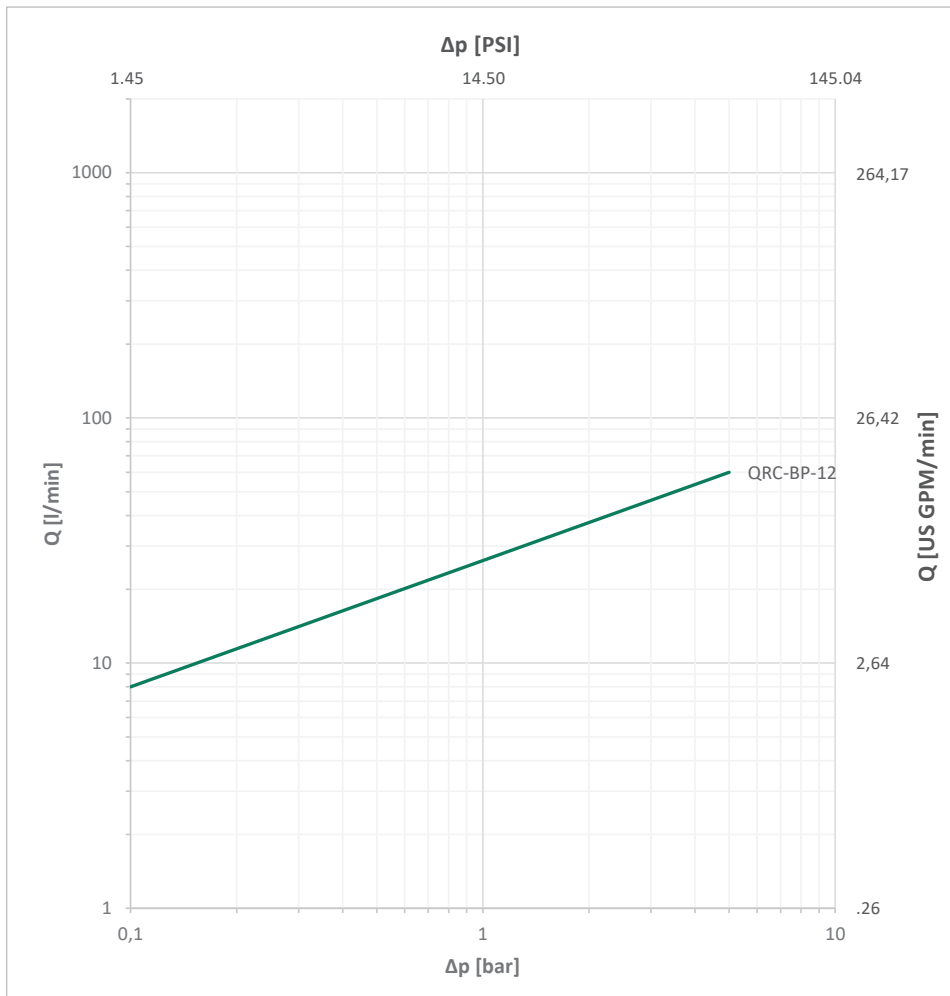
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
BP-12	3	1/2"	12,5	34,5	9.11	150	2175	1000	14504	620	8992	900	13053	0,05	.0017

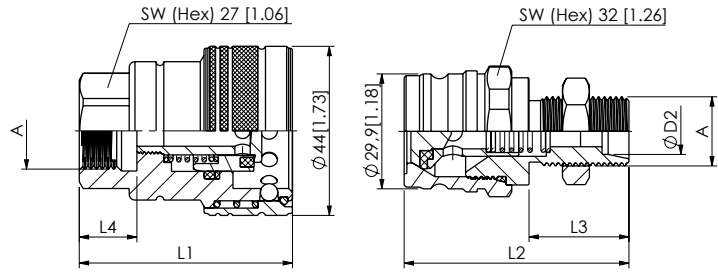
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

BP

Flow Characteristics

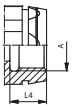
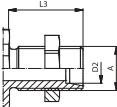


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch).

Series BP-12 ▪ BG 3 ▪ Nominal Size 12,5

Port A	Dimensions (mm/in)				Female Body* Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3 L4				
Female Thread according to DIN 3852 - ISO 1179-1								
	G 1/2"		55,5 2.19		15 .59	QRC-BP-12-FDS-G08-BT-W3	33,65 74.19	
	M18x1,5		55,5 2.19		15 .59	QRC-BP-12-FDS-M180R-BT-W3	34,34 75.71	
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861								
	M18x1,5	12L	55,8 2.20	26 1.02		QRC-BP-12-M-12LB-B-W3	17,76 39.15	
	M22x1,5	15LB	60,5 2.38	28 1.10		QRC-BP-12-M-15LB-B-W3	20,31 44.78	

* Delivery standard of the female body includes a parking station.

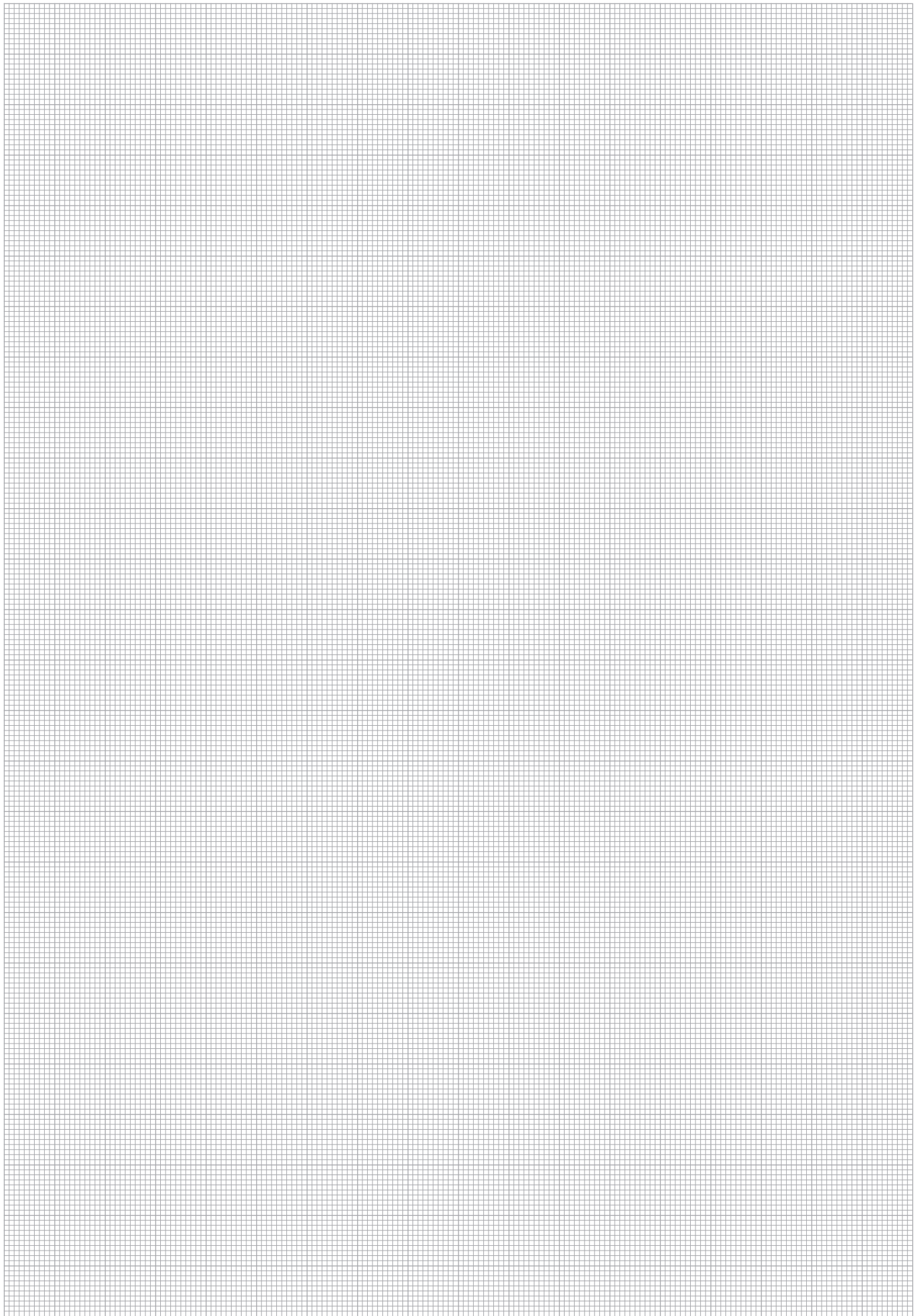
Series BP ▪ Dust Protection



Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
30	29,5	185	Plastic (Colour: Red)	QRC-BP-10-DM-30-K-RD
1.18	1.16	7.28		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
29	29,5	185	Plastic (Colour: Red)	QRC-BP-10-DF-30-K-RD
1.14	1.16	7.28		

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



BP



HC

Series HC ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	Special compound ²
Working Temperature	-35° C ... +130° C / -31° F ... +266° F
Valve Design	Flat Face
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Rescue and Tensioning Hydraulics
ISO Interchange	-



² Alternative seal materials are available on request.

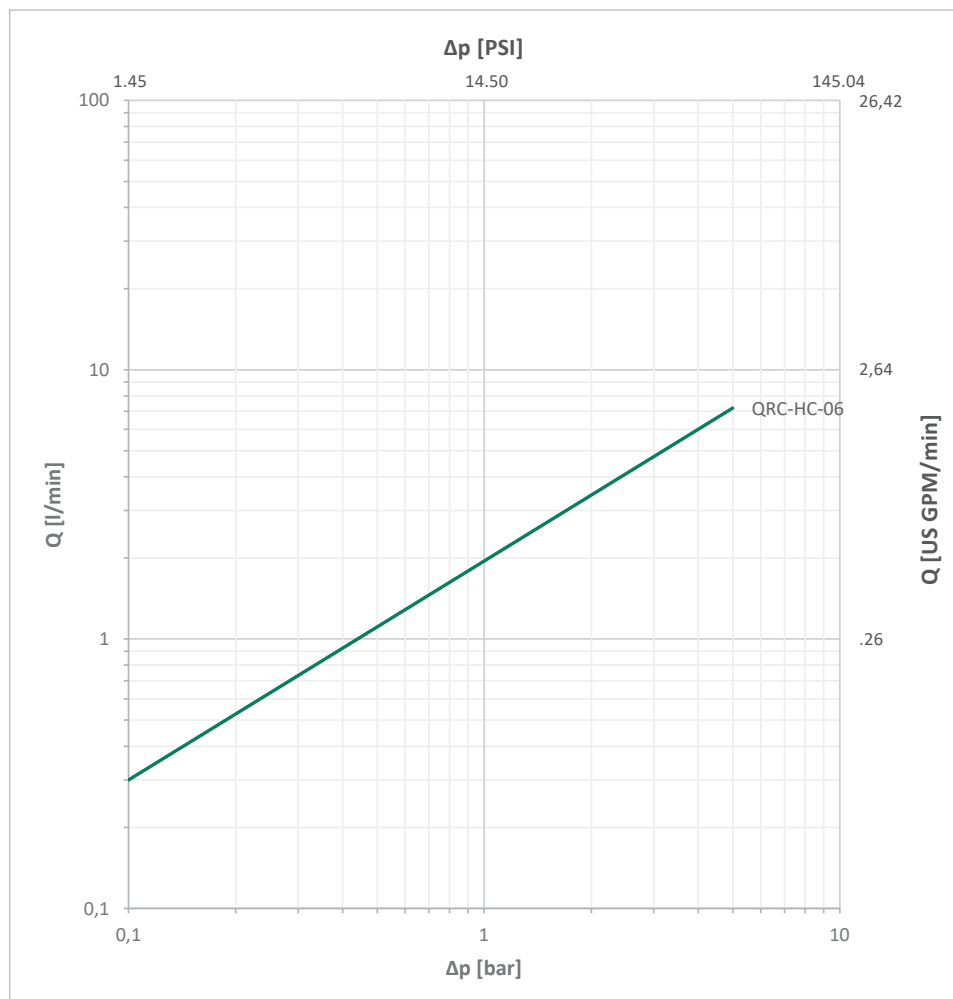
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HC-06	1	1/4"	6,3	6	1.59	1000	14504	2500	36260	2500	36260	2500	36260	0,008	.0003

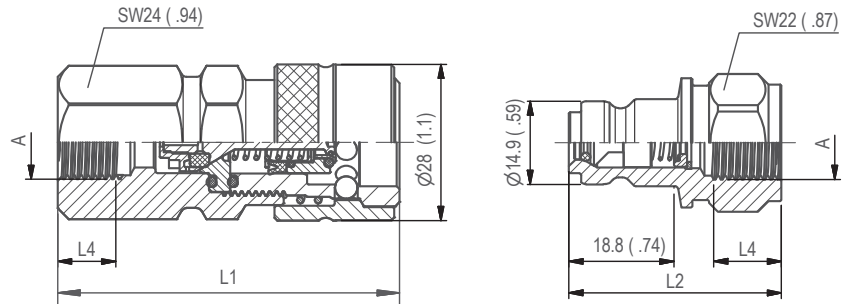
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

HC

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch).

Series HC-06 ▪ BG 1 ▪ Nominal Size 6,3

Port A	Dimensions (mm/in)				Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	ØD2	L1	L2	L3				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3								
	G 1/8"	54,3 2.14	38,1 1.50		8 0.31	QRC-HC-06-F-G02-Y-W66 17,60 38.80	QRC-HC-06-M-G02-Y-W66 7,80 17.20	
	G 1/4"	61,3 2.41	38,1 1.50		12 0.47	QRC-HC-06-F-G04-Y-W66 19,50 42.99	QRC-HC-06-M-G04-Y-W66 7,10 15.65	
	NPTF 1/4" - 18	58,3 2.30	35,7 1.41			QRC-HC-06-F-NF04-Y-W66 18,60 41.01	QRC-HC-06-M-NF04-Y-W66 6,70 14.77	
	G 3/8"	63,3 2.49	39,6 1.56		12 0.47	QRC-HC-06-F-G06-Y-W66 19,30 42.55	QRC-HC-06-M-G06-Y-W66 8,40 18.52	
	NPTF 3/8" - 18	60,3 2.37	39,6 1.56			QRC-HC-06-F-NF06-Y-W66 18,50 40.79	QRC-HC-06-M-NF06-Y-W66 7,80 17.20	

Series HC ▪ Dust Protection


Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
29 1.14	22,5 .89	110 4.33	Plastic (Colour: Red)	QRC-HC-06-DM-23-KI-RD

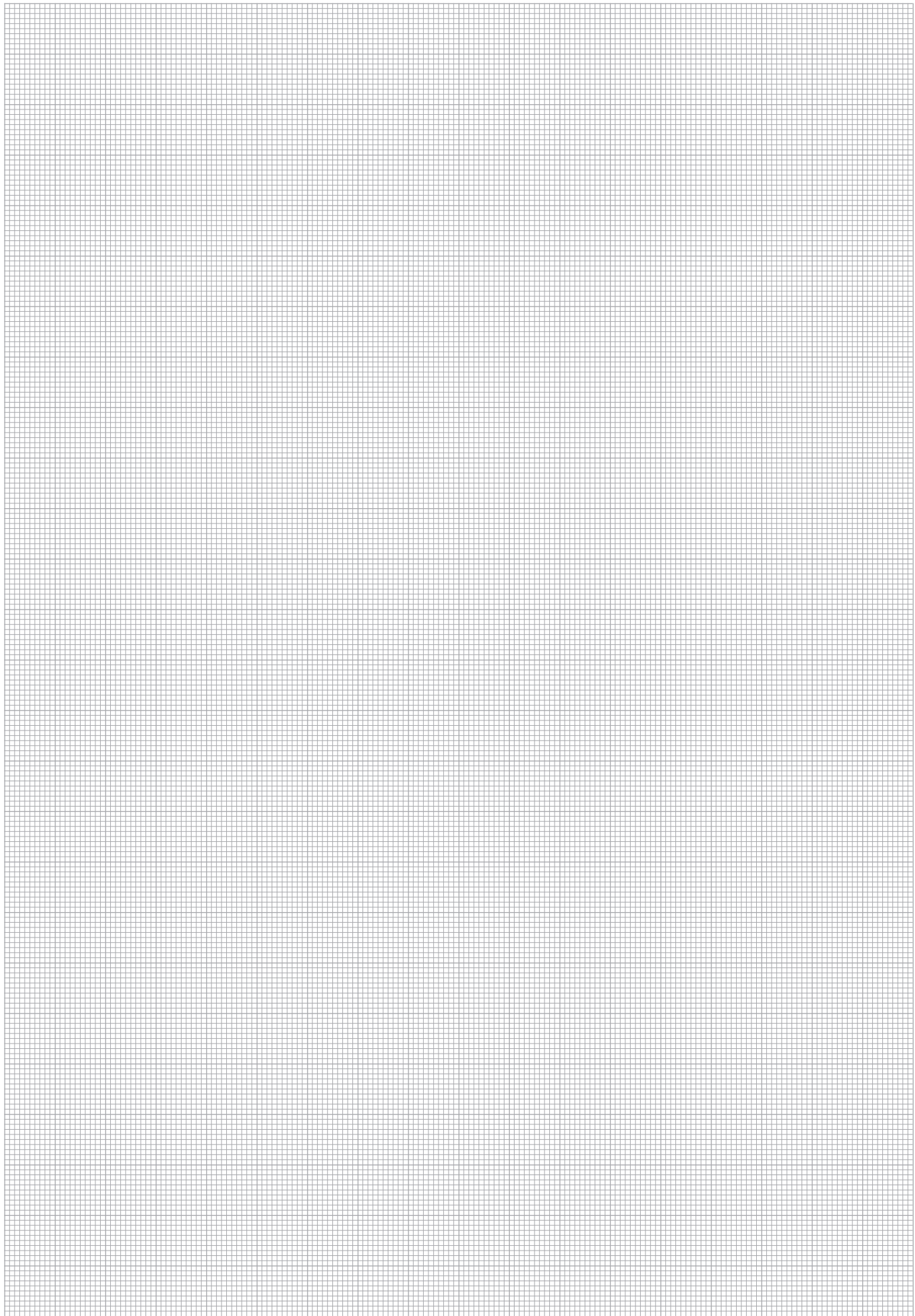
Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
29 1.14	20,5 .81	110 4.33	Plastic (Colour: Red)	QRC-HC-06-DF-21-KI-RD

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the color codes BU, GN, YE and BK respectively instead of RD.

HC

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

HC





HD

Series HD ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	Special compound ²
Working Temperature	-35° C ... +130° C / -31° F ... +266° F
Valve Design	Flat Face
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Rescue and Tensioning Hydraulics
ISO Interchange	-



² Alternative seal materials are available on request.

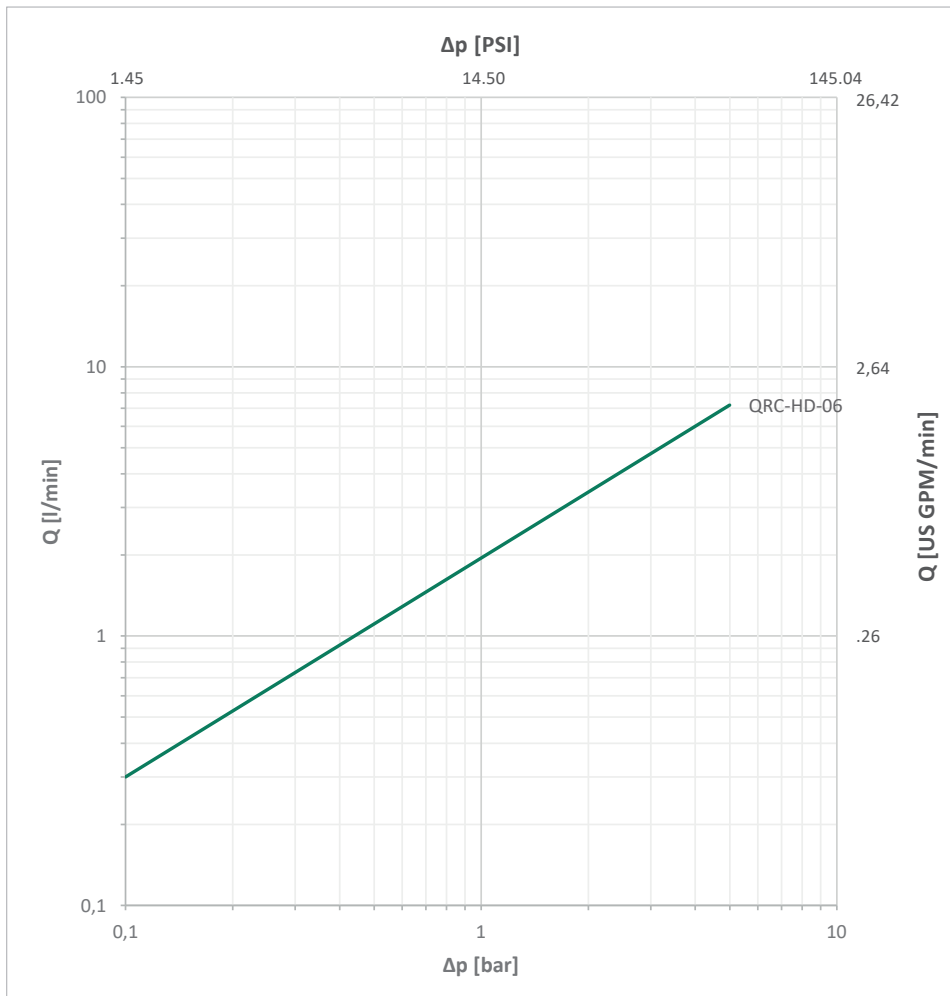
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HD-06	1	1/4"	6,3	6	1.59	1500	21756	3500	50763	3500	50763	3500	50763	0,008	.0003

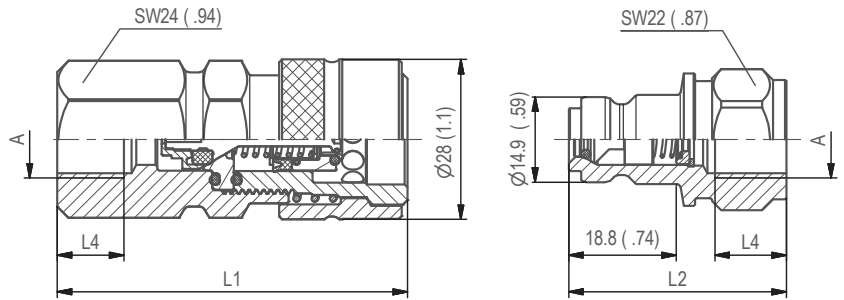
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

HD

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch).

Series HD-06 ■ BG 1 ■ Nominal Size 6,3

Port A	Dimensions (mm/in)					Female Body Ordering Codes	Weight (^{kg} /lbs) ca. per 100	Male Tip Ordering Codes	Weight (^{kg} /lbs) ca. per 100
	$\varnothing D2$	L1	L2	L3	L4 min				
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3									
	G 1/4"	61,3 2.41	38,1 1.50		12 0.47	QRC-HD-06-F-G04-Y-W66	19,60 43.21	QRC-HD-06-M-G04-Y-W66	7,10 15.65
	NPTF 1/4" -18	58,3 2.30	35,7 1.41				QRC-HD-06-F-NF04-Y-W66	18,60 41.01	QRC-HD-06-M-NF04-Y-W66

Series HD ■ Dust Protection

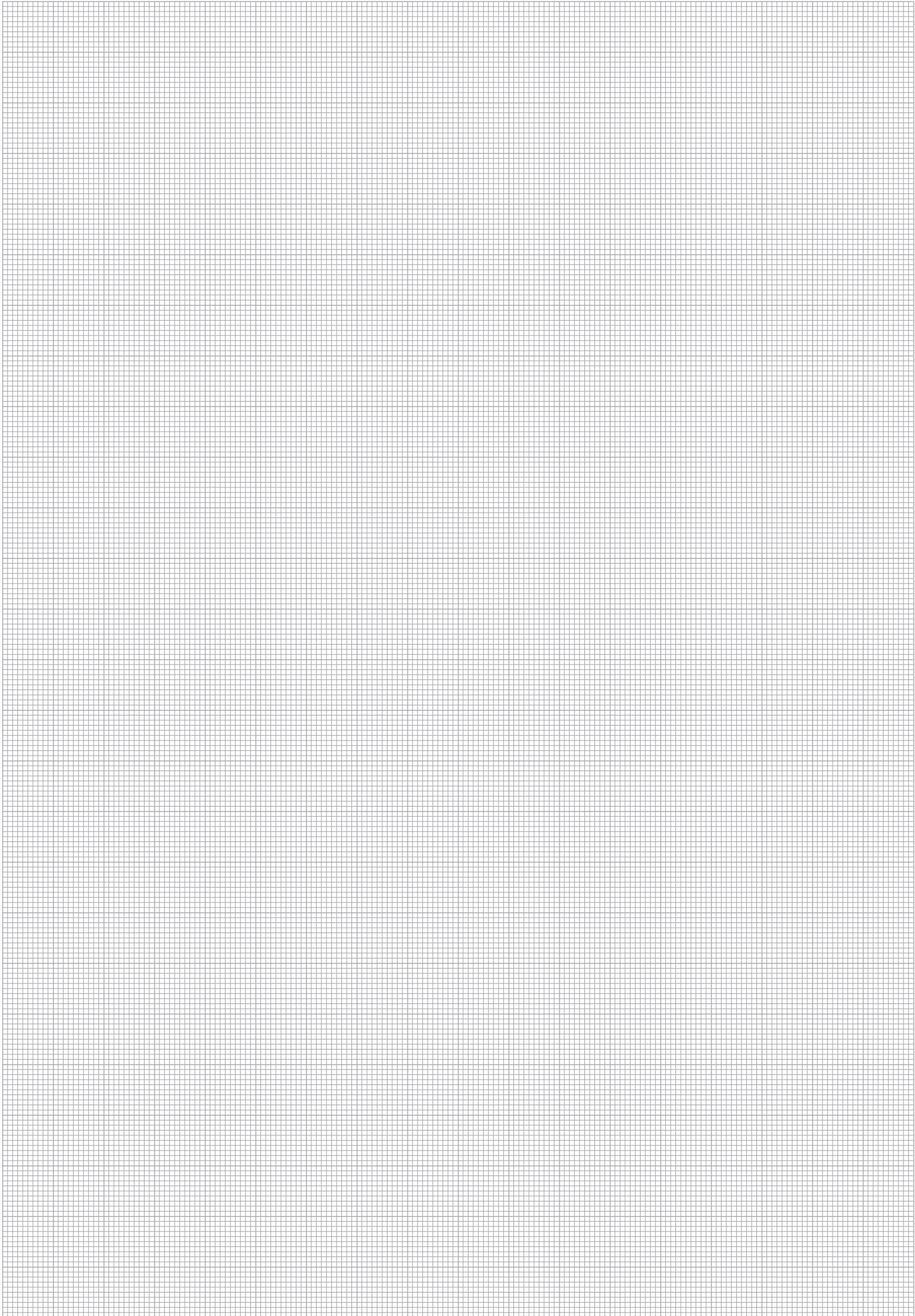
HD

Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
29	22,5	110	Plastic (Colour: Black)	QRC-HD-06-DM-23-KI-BK
1.14	.89	4.33		

Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
29	20,5	110	Plastic (Colour: Black)	QRC-HD-06-DF-21-KI-BK
1.14	.81	4.33		

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

HD



Series HUS - Carbon Steel
Product Description

Push-to-Connect couplings of the HUS Series from STAUFF consist of a male tip and a female body which are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed for coupling Under pressure according to the Nordic interchange in the following nominal sizes 10, 12, 19, 25 (3/8" - 1").

The proven design is suitable for use in agricultural and forestry machinery, construction machinery and hydraulic attachments.

Features

- poppet valve
- Coupling made from carbon steel with Zinc/Nickel surface coating
- Integrated locking system preventing unintentional release of the coupling
- Nordic interchange
- Female body is supplied with safety locking ring
- Male and Female poppet valves fitted with decompression valve (pressure eliminator)

Applications

	Agricultural and Forestry Machinery		Construction Machinery		Industrial Hydraulic
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Top Features

	Zinc/Nickel coating		Connect Under pressure		Designed for secure connection
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HUS


Series HUS ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-30° C ... +106° C / -22° F ... +223° F
Valve Design	Poppet Valve
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	Male Tip/Female Body
Application	Construction Machinery, Industrial Hydraulic
ISO Interchange	-



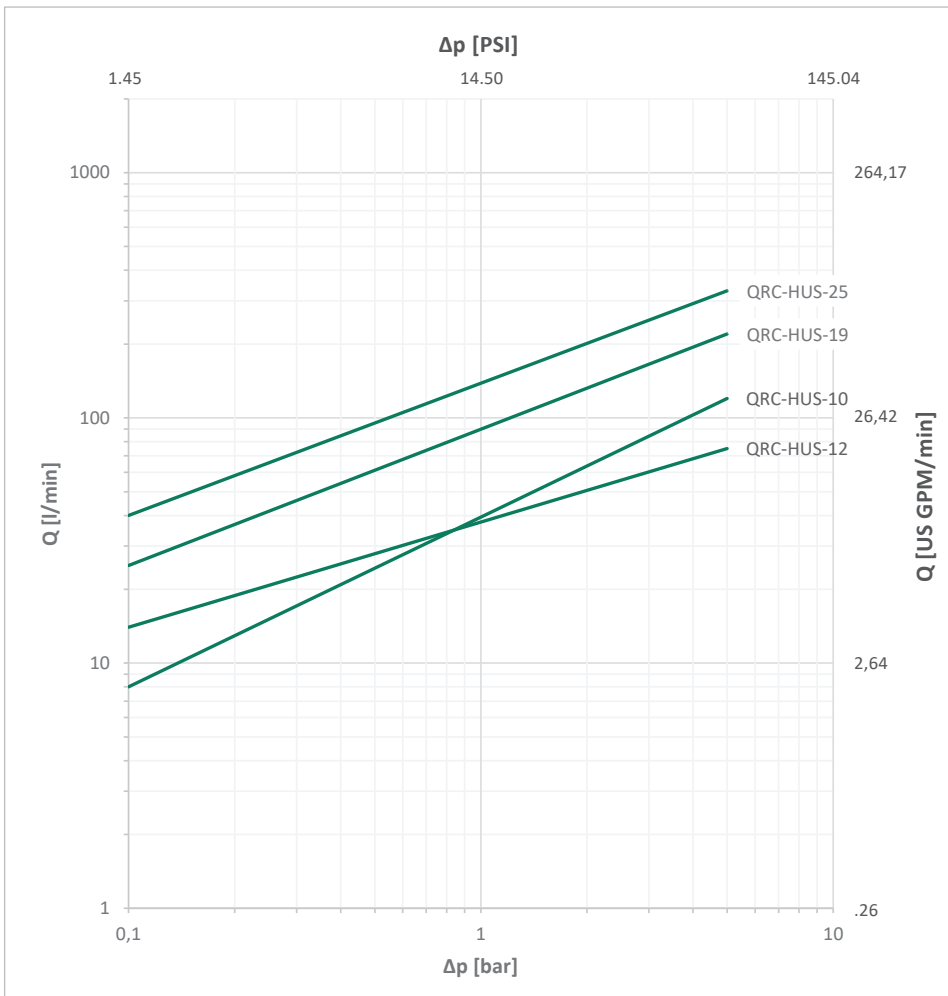
²Alternative seal materials are available on request.

Technical Data

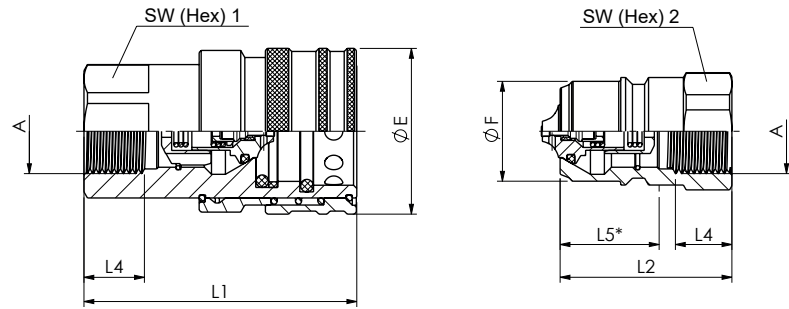
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q _{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
				l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HUS-10	2	3/8"	10	30	7.93	350	5076	1050	15229	1450	21031	1500	21756		
HUS-12	3	1/2"	12,5	67,5	17.83	315	4569	1000	14504	1200	17405	1000	14504		
HUS-19	4	3/4"	19 (20)	159	42.00	270	3916	1080	15664	1000	14504	900	13053		
HUS-25	6	1"	25	378	99.86	270	3916	900	13053	900	13053	900	13053		

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



SW: Width across flats. All dimensions in mm (inch).

Series HUS-10 • BG 2 • Nominal Size 10

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (*9/100) ca. per 100	Male Tip Ordering Codes	Weight (*9/100) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/8"	35	19,9	61,6	38	12	23	24	22	QRC-HUS-10-F-G06-BT-W3	23,71	QRC-HUS-10-M-G06-B-W3	5,89
		1,38	.78	2.43	1.50	.47	.91	.94	.87		52.27		12.99

Series HUS-12 • BG 3 • Nominal Size 12,5

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (*9/100) ca. per 100	Male Tip Ordering Codes	Weight (*9/100) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1/2"	41	24,7	67,5	42,5	14	24,5	30	27	QRC-HUS-12-F-G08-BT-W3	35,83	QRC-HUS-12-M-G08-B-W3	9,56
		1,61	.97	2.66	1.67	.55	.96	1.18	1.06		78.99		21.08

HUS
Series HUS-19 • BG 4 • Nominal Size 19

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (*9/100) ca. per 100	Male Tip Ordering Codes	Weight (*9/100) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 3/4"	52	32,7	76,4	47	18	28,5	38	36	QRC-HUS-19-F-G12-BT-W3	62,09	QRC-HUS-19-M-G12-B-W3	19,34
		2,05	1,29	3,01	1,85	.71	1,12	1,50	1,42		136,89		42,64

Series HUS-25 • BG 6 • Nominal Size 25

Port A	Dimensions (^{mm} / _{in})									Female Body Ordering Codes	Weight (*9/100) ca. per 100	Male Tip Ordering Codes	Weight (*9/100) ca. per 100
	ØE	ØF	L1	L2	L4 min	L5	SW1	SW2					
Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3													
	G 1"	62	40,9	92,4	56,5	20	35	45	45	QRC-HUS-25-F-G16-BT-W3	102,41	QRC-HUS-25-M-G16-B-W3	35,97
		2,44	1,61	3,64	2,22	.79	1,38	1,77	1,77		225,78		79,30

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.