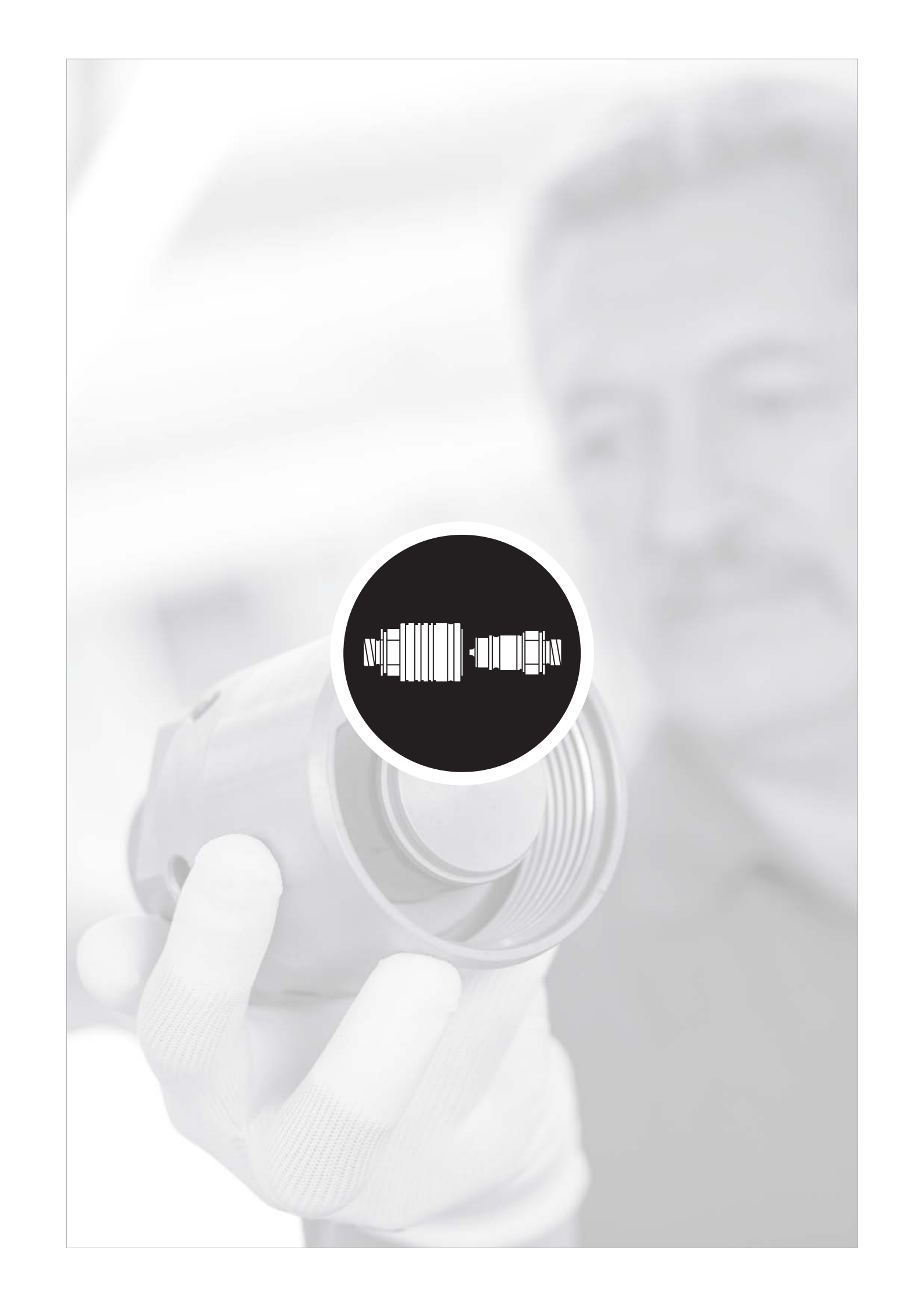


Product Description

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.

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

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

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

Top Features

Zinc/Nickel coating

Designed for secure connection



FF

Series FF ▪ Carbon Steel

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



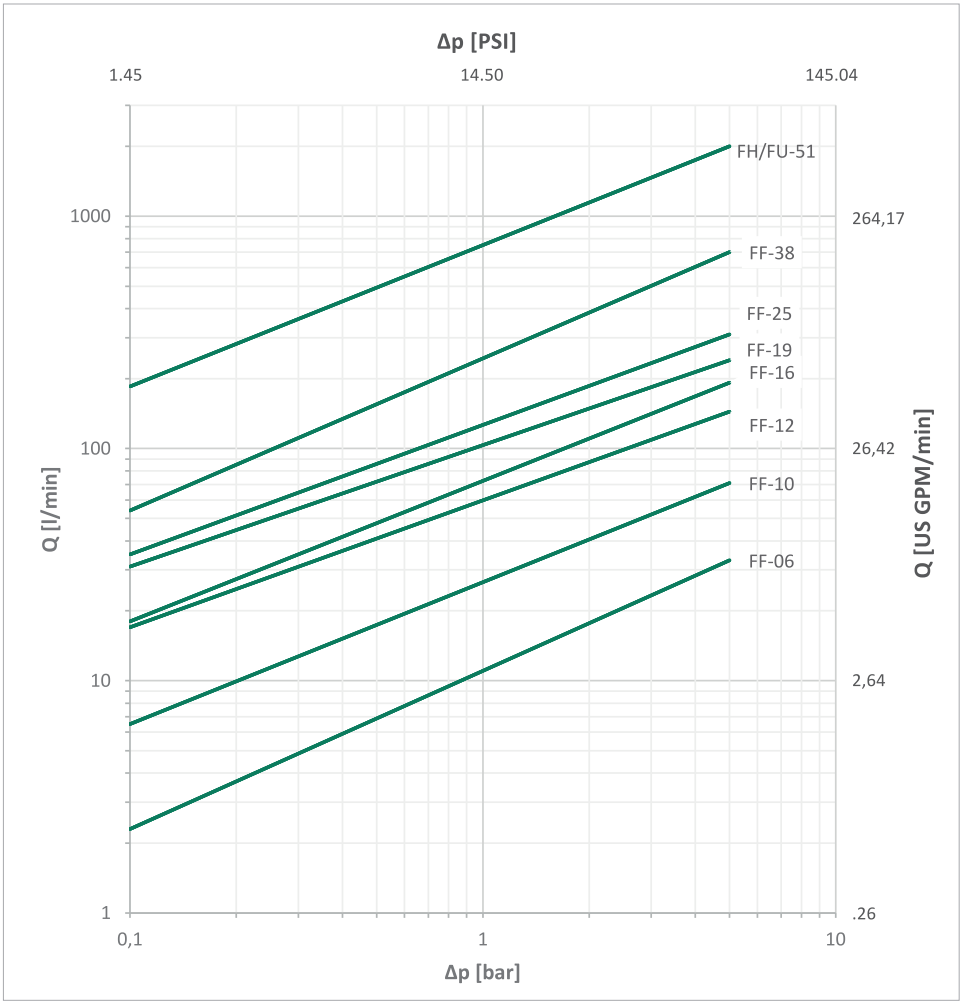
[2] Alternative seal materials are available on request.

Technical Data

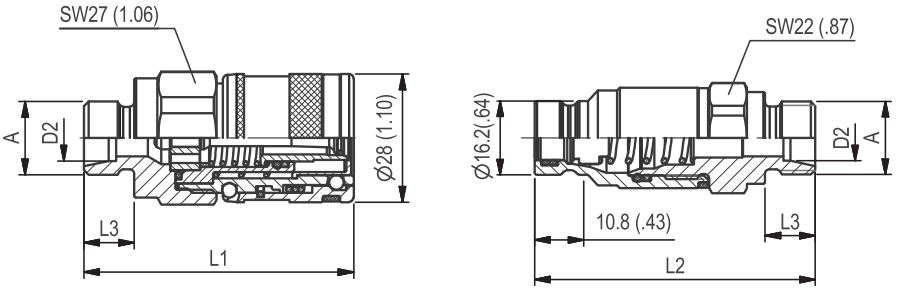
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure*		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FF-06	1	1/4"	6,3	24	6,34	400	5802	1400	20305	1220	17694	2000	29008	0,01	.0003
FF-10	2	3/8"	10	46	12,15	350	5076	1100	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

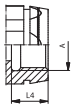
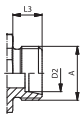
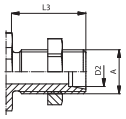


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



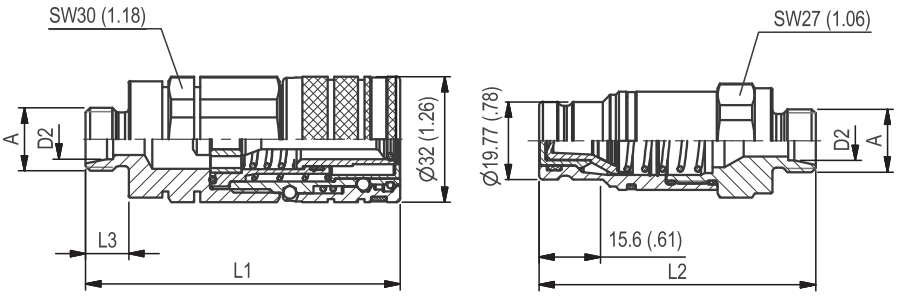
SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions ($^{mm}/_{in}$) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100	Male Tip Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100
	Female Thread according to DIN 3852 - ISO 1179-1 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G 1/4"		55	54		12	QRC-FF-06-F-G04-BT-W3	19,82	QRC-FF-06-M-G04-S1-W3	10,05
			2.17	2.13		.47		43.70		22.16
	NPTF 1/4"-18		55	54			QRC-FF-06-F-NF04-BT-W3	19,93	QRC-FF-06-M-NF04-S1-W3	10,42
			2.17	2.13				43.94		22.97
	UNF 9/16"-18		55	54,9		12,8	QRC-FF-06-F-U06-BT-W3	19,36	QRC-FF-06-M-U06-S1-W3	10
			2.17	2.16		.50		42.68		22.05
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	58	60,2	10		QRC-FF-06-F-08L-BT-W3	17,94	QRC-FF-06-M-08L-S1-W3	10,61
			2.28	2.37	.39			39.55		23.39
	M16x1,5	10L	59	61,2	11		QRC-FF-06-F-10L-BT-W3	18,13	QRC-FF-06-M-10L-S1-W3	10,77
			2.32	2.41	.43			39.97		23.74
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	73	75,2	25		QRC-FF-06-F-08LB-BT-W3	20,31	QRC-FF-06-M-08LB-S1-W3	13
			2.87	2.96	.98			44.78		28.66
	M16x1,5	10L	74	76,2	26		QRC-FF-06-F-10LB-BT-W3	21,1	QRC-FF-06-M-10LB-S1-W3	13,74
			2.91	3.00	1.02			46.52		30.29

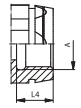
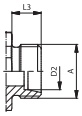
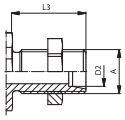
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

FF

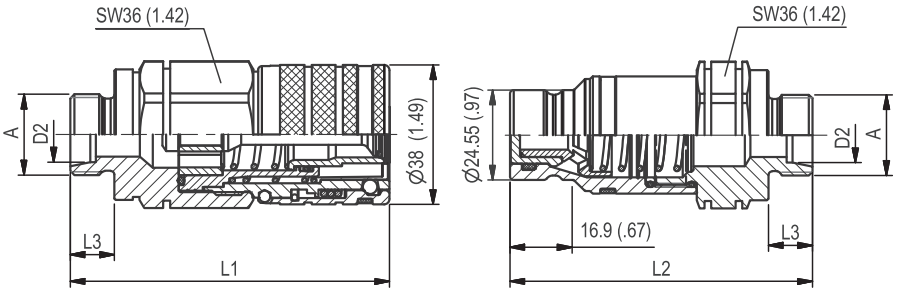


SW: Width across flats. All dimensions in mm (inch).

Series FF-10 ▪ BG 2 ▪ Nominal Size 10

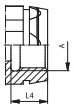
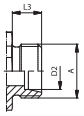
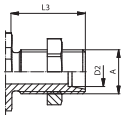
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3-SAE J1926-1 - ISO 11926-1									
	G 3/8"		69	59,9		14	QRC-FF-10-F-G06-BT-W3	29,85	QRC-FF-10-M-G06-BP-W3	13,76
			2.72	2.36		.55		65.81		30.34
	G 1/2"		69	64,9		14	QRC-FF-10-F-G08-BT-W3	28,29	QRC-FF-10-M-G08-BP-W3	13,13
			2.72	2.56		.55		62.37		28.95
	NPTF 3/8"-18		70	62,9			QRC-FF-10-F-NF06-BT-W3	30,55	QRC-FF-10-M-NF06-BP-W3	15,02
			2.76	2.48				67.35		33.11
	NPTF 1/2"-14		70	62,9			QRC-FF-10-F-NF08-BT-W3	29,29	QRC-FF-10-M-NF08-BP-W3	13,71
			2.76	2.48				64.57		30.23
	UNF 3/4"-16		69	63,9		14	QRC-FF-10-F-U08-BT-W3	28,88	QRC-FF-10-M-U08-BP-W3	14.15
			2.72	2.52		.55		63.67		31.20
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M16x1,5	10L	80,2	70,4	11		QRC-FF-10-F-10L-BT-W3	31,33	QRC-FF-10-M-10L-BP-W3	15,65
			3.16	2.77	.43			69.07		34.50
	M18x1,5	12L	80,2	70,4	11		QRC-FF-10-F-12L-BT-W3	31,37	QRC-FF-10-M-12L-BP-W3	15,62
			3.16	2.77	.43			69.16		34.44
	M22x1,5	15L	81	71,4	12		QRC-FF-10-F-15L-BT-W3	32	QRC-FF-10-M-15L-BP-W3	16,09
			3.19	2.81	.47			70.55		35.47
	M20x1,5	12S	81	70,4	12		QRC-FF-10-F-12S-BT-W3	30,9	QRC-FF-10-M-12S-BP-W3	16,12
			3.19	2.77	.47			68.12		35.54
	M24x1,5	16S	83	73,4	14		QRC-FF-10-F-16S-BT-W3	31,6	QRC-FF-10-M-16S-BP-W3	15,9
			3.27	2.89	.55			69.67		35.05
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M16x1,5	10L	86,8	85,4	26		QRC-FF-10-F-10LB-BT-W3	31,11	QRC-FF-10-M-10LB-BP-W3	18,6
			3.42	3.36	1.02			68.59		41.01
	M18x1,5	12L	86,8	85,4	26		QRC-FF-10-F-12LB-BT-W3	31,61	QRC-FF-10-M-12LB-BP-W3	19,0
			3.42	3.36	1.02			69.69		41.89
	M22x1,5	15L	87,8	86,4	27		QRC-FF-10-F-15LB-BT-W3	33,86	QRC-FF-10-M-15LB-BP-W3	21,13
			3.46	3.40	1.06			74.65		46.58
	M20x1,5	12S	87,8	86,4	27		QRC-FF-10-F-12SB-BT-W3	33,9	QRC-FF-10-M-12SB-BP-W3	21,13
			3.46	3.40	1.06			74.74		46.58
	M24x1,5	16S	89,8	88,4	29		QRC-FF-10-F-16SB-BT-W3	36,44	QRC-FF-10-M-16SB-BP-W3	25,1
			3.54	3.48	1.14			80.34		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.



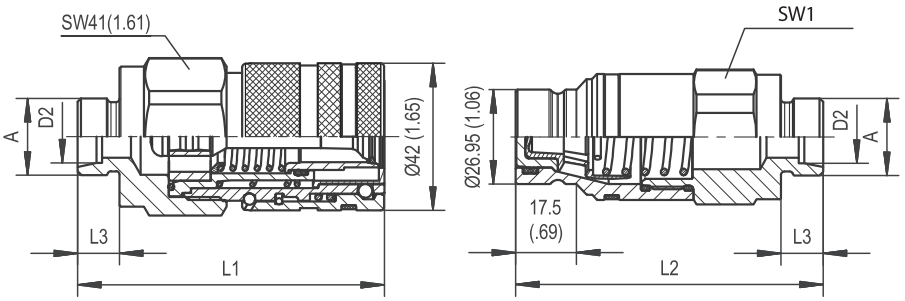
SW: Width across flats. All dimensions in mm (inch).

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

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

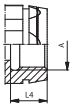
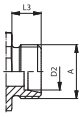
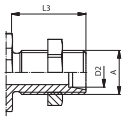
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

FF

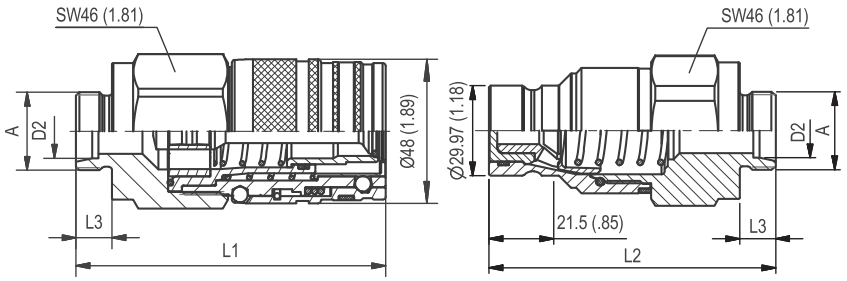


SW: Width across flats. All dimensions in mm (inch).

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

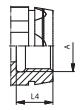
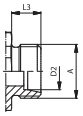
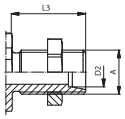
	Port A	Dimensions ($^{mm}/_{in}$) ØD2	L1	L2	L3	L4	SW1	Female Body Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100	Male Tip Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1										
	G 3/4"		87,7 3.45	73 2.87		18 .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.



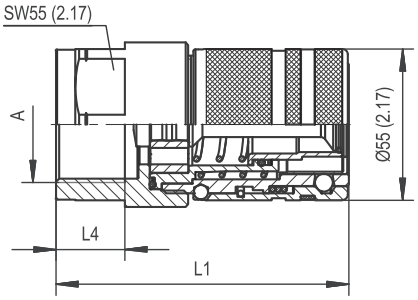
SW: Width across flats. All dimensions in mm (inch).

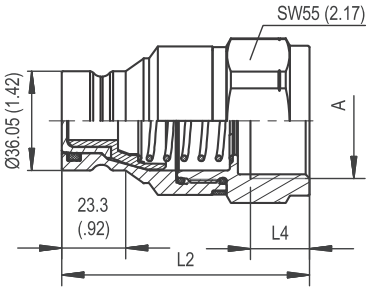
Series FF-19 ▪ BG 4 ▪ Nominal Size 19

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

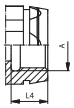
FF



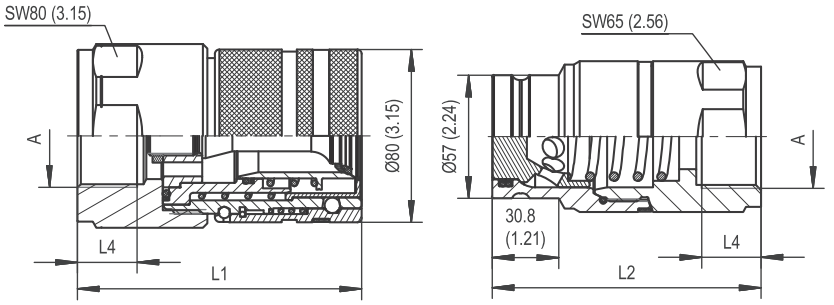


SW: Width across flats. All dimensions in mm (inch).

Series FF-25 ▪ BG 5 ▪ Nominal Size 25

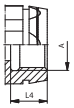
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1										
	G 1"		106,5	90		20	QRC-FF-25-F-G16-BT-W3	145,76	QRC-FF-25-M-G16-BP-W3	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

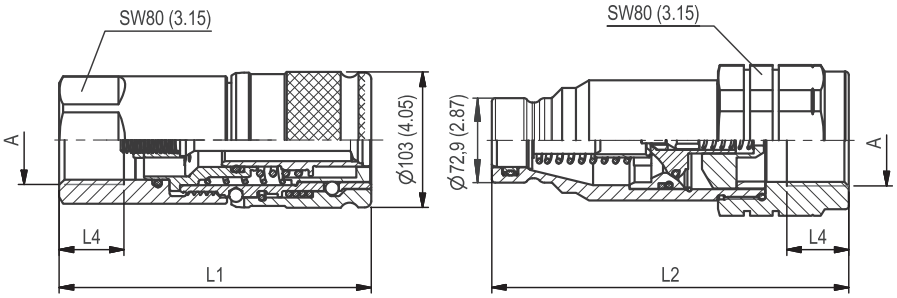
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

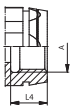
Series FF-38 ▪ BG 6 ▪ Nominal Size 38

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



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

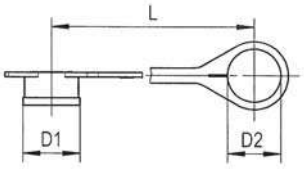
Series FH/FU 51 ▪ BG 7 ▪ Nominal Size 51

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	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

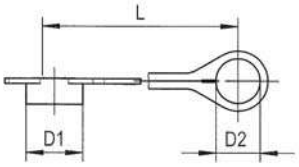
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

Series FF ▪ Dust Protection

FF



Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip 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) D1	D2	L	Material	Dust Plug for Female Body 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.