FLOW CONTROL

QUICK RELEASE COUPLINGS

Series FF/ FH/ FU ▪ 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

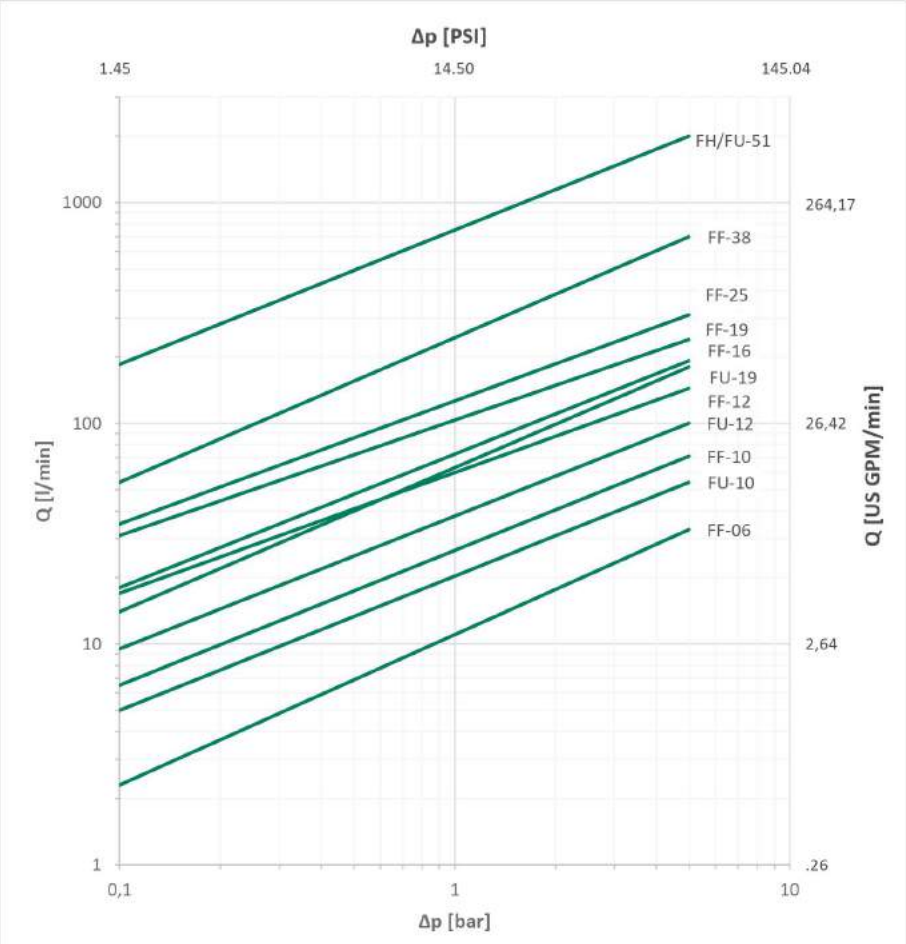
[2] Alternative seal materials are available on request.

Technical Data

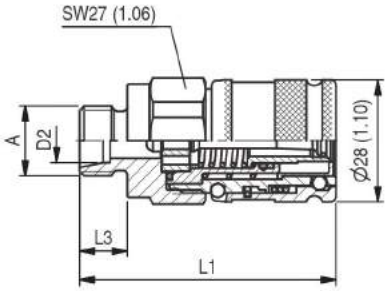
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure*		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FF-06	1	1/4"	6,3	40	10.57	400	5801	1500	21756	1220	17695	2000	29007	0,01	.0003
FF-10	2	3/8"	10	80	21.13	350	5076	1400	20305	1100	15954	1500	21756	0,015	.0005
FF-12	3	1/2"	12,5	120	31.70	350	5076	1400	20305	1050	15229	1500	21756	0,02	.0007
FF-16	4A	5/8"	16	150	39.63	350	5076	1600	23206	1200	17404	1200	17404	0,02	.0007
FF-19	4	3/4"	19	200	52.83	350	5076	1200	17404	1200	17404	1300	18854	0,032	.0011
FF-25	5	1"	25	380	100.39	260	3771	1200	17404	820	11893	1040	15083	0,03	.0010
FF-38	6	1 1/2"	38	600	158.50	300	4351	1000	14504	1000	14504	1000	14504	0,155	.0052
FH-51	7	2"	51	1000	264.17	150	2176	650	9427	650	9427	700	10153	0,1	.0034
FU-10	2	3/8"	10	80	21.13	350	5076	1700	24656			1500	21756	0,015	.0005
FU-12	3	1/2"	12,5	120	31.70	350	5076	1500	21756			1400	20305	0,02	.0007
FU-19	4	3/4"	19	180	47.55	350	5076	1600	23206			1600	23206	0,032	.0011

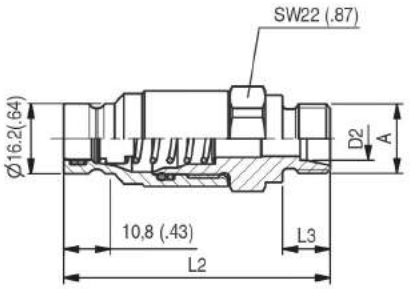
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



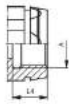
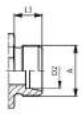
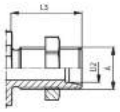
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



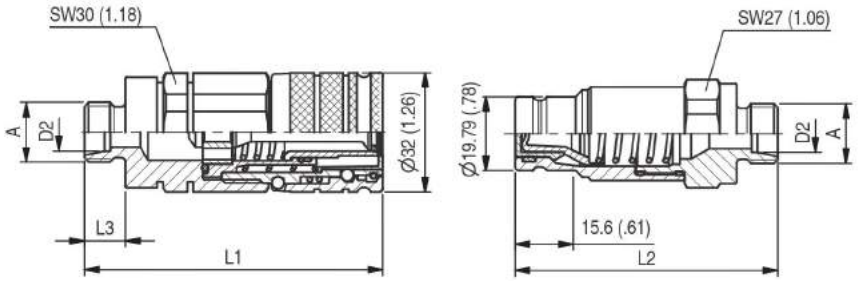


SW: Width across flats. All dimensions in mm (inch).

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

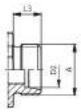
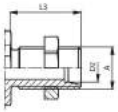
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (g/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (g/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3 - SAE J1926-1									
	G 1/4"		55	54		12	FF06-1-IGF04	21,20	FF06-2-IGF04	10,20
			2.17	2.13		.47	QRC-FF-06-F-G04-BT-W3	46.74	QRC-FF-06-M-G04-S1-W3	22.49
	NPTF 1/4"-18		55	54			FF06-1-INF04	22,10	FF06-2-INF04	10,60
			2.17	2.13			QRC-FF-06-F-NF04-BT-W3	48.72	QRC-FF-06-M-NF04-S1-W3	23.37
	UNF 9/16"-18		55	52		12,8	FF06-1-IUF06	21,30	FF06-2-IUF06	10,30
			2.17	2.05		.50	QRC-FF-06-F-U06-BT-W3	46.96	QRC-FF-06-M-U06-S1-W3	22.71
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	57	60	10		FF06-1-L0814	18	FF06-2-L0814	10,20
			2.24	2.36	.39		QRC-FF-06-F-08L-BT-W3	39.68	QRC-FF-06-M-08L-S1-W3	22.49
	M16x1,5	10L	59	61	11		FF06-1-L1016	18,20	FF06-2-L1016	10,60
			2.32	2.40	.43		QRC-FF-06-F-10L-BT-W3	40.12	QRC-FF-06-M-10L-S1-W3	23.40
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	73	75	25		FF06-1-N0814	19,40	FF06-2-N0814	10,30
			2.87	2.95	.98		QRC-FF-06-F-08LB-BT-W3	42.77	QRC-FF-06-M-08LB-S1-W3	22.71
	M16x1,5	10L	74	76	26		FF06-1-N1016	20	FF06-2-N1016	10,90
			2.91	2.99	1.02		QRC-FF-06-F-10LB-BT-W3	44.09	QRC-FF-06-M-10LB-S1-W3	24.03

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.

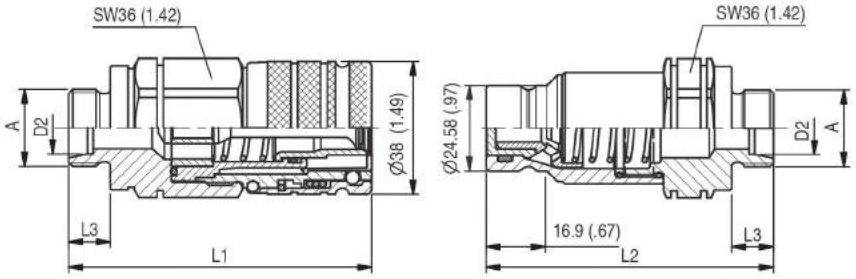


SW: Width across flats. All dimensions in mm (inch).

Series FF-10 ▪ BG 2 ▪ Nominal Size 10

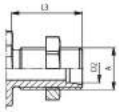
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3-SAE J1926-1									
	G 3/8"		69	64,9		14,2	FF10-1-IGF06	28,50	FF10-2-IGF06	12,70
			2.72	2.56		.56	QRC-FF-10-F-G06-BT-W3	62.83	QRC-FF-10-M-G06-BP-W3	28
	G 1/2"		69	64,9		14,2	FF10-1-IGF08	27	FF10-2-IGF08	12,10
			2.72	2.56		.56	QRC-FF-10-F-G08-BT-W3	59.52	QRC-FF-10-M-G08-BP-W3	26.68
	NPTF 3/8"-18		69	64,9			FF10-1-INF06	28,70	FF10-2-INF06	12,90
			2.72	2.56			QRC-FF-10-F-NF06-BT-W3	63.27	QRC-FF-10-M-NF06-BP-W3	28.44
	NPTF 1/2"-14		70	62,9			FF10-1-INF08	28	FF10-2-INF08	13,70
			2.76	2.48			QRC-FF-10-F-NF08-BT-W3	61.73	QRC-FF-10-M-NF08-BP-W3	30.20
	UNF 3/4"-16		69	62,9		14,3	FF10-1-IUF08	27,50	FF10-2-IUF08	13,80
			2.72	2.48		.56	QRC-FF-10-F-U08-BT-W3	60.63	QRC-FF-10-M-U08-BP-W3	30.42
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M16x1,5	10L	80	70,4	11		FF10-1-L1016	30	FF10-2-L1016	14,70
			3.15	2.77	.43		QRC-FF-10-F-10L-BT-W3	66.14	QRC-FF-10-M-10L-BP-W3	32.41
	M18x1,5	12L	80	70,4	11		FF10-1-L1218	30	FF10-2-L1218	14,70
			3.15	2.77	.43		QRC-FF-10-F-12L-BT-W3	66.14	QRC-FF-10-M-12L-BP-W3	32.41
	M22x1,5	15L	81	71,4	12		FF10-1-L1522	30,70	FF10-2-L1522	15,20
			3.19	2.81	.47		QRC-FF-10-F-15L-BT-W3	67.68	QRC-FF-10-M-15L-BP-W3	33.51
	M20x1,5	12S	81	71,4	12		FF10-1-S1220	30,90	FF10-2-S1220	15,40
			3.19	2.81	.47		QRC-FF-10-F-12S-BT-W3	68.12	QRC-FF-10-M-12S-BP-W3	33.95
	M24x1,5	16S	83	73,4	14		FF10-1-S1624	31,60	FF10-2-S1624	15,90
			3.27	2.89	.55		QRC-FF-10-F-16S-BT-W3	69.67	QRC-FF-10-M-16S-BP-W3	35.05
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M16x1,5	10L	87	85,4	26		FF10-1-N1016	286	FF10-2-N1016	165
			3.43	3.36	1.02		QRC-FF-10-F-10LB-BT-W3	629.20	QRC-FF-10-M-10LB-BP-W3	363.00
	M18x1,5	12L	87	85,4	26		FF10-1-N1218	289	FF10-2-N1218	168
			3.43	3.36	1.02		QRC-FF-10-F-12LB-BT-W3	635.80	QRC-FF-10-M-12LB-BP-W3	369.60
	M22x1,5	15L	88	86,4	27		FF10-1-N1522	306	FF10-2-N1522	184
			3.46	3.40	1.06		QRC-FF-10-F-15LB-BT-W3	673.20	QRC-FF-10-M-15LB-BP-W3	404.80
	M20x1,5	12S	88	86,4	27		FF10-1-T1220	308	FF10-2-T1220	186
			3.46	3.40	1.06		QRC-FF-10-F-12SB-BT-W3	678.48	QRC-FF-10-M-12SB-BP-W3	408.10
	M24x1,5	16S	89,6	88,4	29		FF10-1-T1624	324	FF10-2-T1624	199
			3.53	3.48	1.14		QRC-FF-10-F-16SB-BT-W3	712.80	QRC-FF-10-M-16SB-BP-W3	438.46

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.

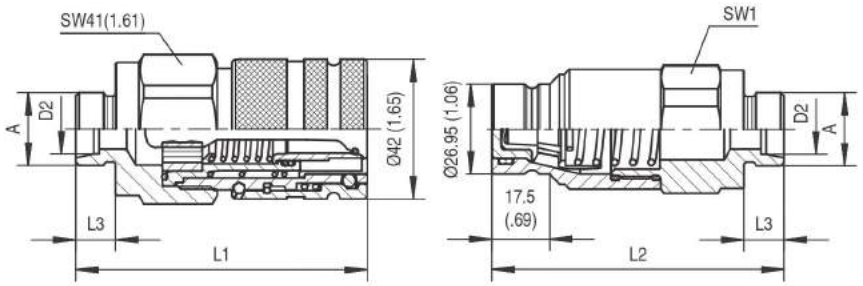


SW: Width across flats. All dimensions in mm (inch).

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

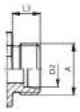
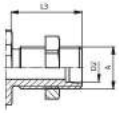
	Port A		Dimensions (mm/in)				Female Body	Weight	Male Tip	Weight
							Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
			ØD2	L1	L2	L3	L4 STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3-SAE J1926-1									
	G 1/2"		84	71		14	FF12-1-IGF08	50	FF12-2-IGF08	25,50
			3.31	2.80		.55	QRC-FF-12-F-G08-BT-W3	110.23	QRC-FF-12-M-G08-BP-W3	56.22
	G 3/4"		84	72		18	FF12-1-IGF12	46,60	FF12-2-IGF12	23,50
			3.31	2.84		.71	QRC-FF-12-F-G12-BT-W3	102.74	QRC-FF-12-M-G12-BP-W3	51.81
	NPTF 1/2"-14		84	71			FF12-1-INF08	50,70	FF12-2-INF08	26
			3.31	2.80			QRC-FF-12-F-NF08-BT-W3	111.77	QRC-FF-12-M-NF08-BP-W3	57.32
	NPTF 3/4"-14		84	72			FF12-1-INF12	47,70	FF12-2-INF12	24,10
			3.31	2.84			QRC-FF-12-F-NF12-BT-W3	105.16	QRC-FF-12-M-NF12-BP-W3	53.13
	UNF 3/4"-16		84	72		14,3	FF12-1-IUF08	50,90	FF12-2-IUF08	26,30
			3.31	2.83		.56	QRC-FF-12-F-U08-BT-W3	112.22	QRC-FF-12-M-U08-BP-W3	57.98
	UNF 7/8"-14		84	72		16,7	FF12-1-IUF10	49	FF12-2-IUF10	25,30
			3.31	2.84		.66	QRC-FF-12-F-U10-BT-W3	108.03	QRC-FF-12-M-U10-BP-W3	55.78
	UN 1" 1/16-12		84	76		19	FF12-1-IUF12	45,60	FF12-2-IUF12	24,50
			3.31	2.99		.75	QRC-FF-12-F-U12-BT-W3	100.53	QRC-FF-12-M-U12-BP-W3	54.01
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	86	81,5	11		FF12-1-L1218	48,10	FF12-2-L1218	27,70
			3.39	3.21	.43		QRC-FF-12-F-12L-BT-W3	106.04	QRC-FF-12-M-12L-BP-W3	61.07
	M22x1,5	15L	87	82,5	12		FF12-1-L1522	48,60	FF12-2-L1522	28,40
			3.43	3.25	.47		QRC-FF-12-F-15L-BT-W3	107.14	QRC-FF-12-M-15L-BP-W3	62.61
	M26x1,5	18L	87	82,5	12		FF12-1-L1826	47,60	FF12-2-L1826	28,70
			3.43	3.25	.47		QRC-FF-12-F-18L-BT-W3	104.94	QRC-FF-12-M-18L-BP-W3	63.27
	M30x2	22L	89	84,5	14		FF12-1-L2230	48,20	FF12-2-L2230	29,10
			3.50	3.33	.55		QRC-FF-12-F-22L-BT-W3	106.26	QRC-FF-12-M-22L-BP-W3	64.15
	M24x1,5	16S	89	84,5	14		FF12-1-S1624	49,50	FF12-2-S1624	29,30
			3.50	3.33	.55		QRC-FF-12-F-16S-BT-W3	109.13	QRC-FF-12-M-16S-BP-W3	64.60
	M30x2	20S	91	86,5	16		FF12-1-S2030	50,50	FF12-2-S2030	30,70
			3.58	3.41	.63		QRC-FF-12-F-20S-BT-W3	111.33	QRC-FF-12-M-20S-BP-W3	67.68
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M18x1,5	12L	91	94	26		FF12-1-N1218	42,40	FF12-2-N1218	28
			3.58	3.70	1.02		QRC-FF-12-F-12LB-BT-W3	93.48	QRC-FF-12-M-12LB-BP-W3	61.73
	M22x1,5	15L	92	95	27		FF12-1-N1522	44,20	FF12-2-N1522	29,80
			3.62	3.74	1.06		QRC-FF-12-F-15LB-BT-W3	97.44	QRC-FF-12-M-15LB-BP-W3	65.70
	M26x1,5	18L	92	95	27		FF12-1-N1826	45,70	FF12-2-N1826	31,30
			3.62	3.74	1.06		QRC-FF-12-F-18LB-BT-W3	100.75	QRC-FF-12-M-18LB-BP-W3	69.00
	M30x2	22L	99	102,0	34		FF12-1-N2230	48,70	FF12-2-N2230	34,40
			3.90	4.02	1.34		QRC-FF-12-F-22LB-BT-W3	107.37	QRC-FF-12-M-22LB-BP-W3	75.84
	M24x1,5	16S	94	97	29		FF12-1-T1624	45,50	FF12-2-T1624	31,60
			3.70	3.82	1.14		QRC-FF-12-F-16SB-BT-W3	100.31	QRC-FF-12-M-16SB-BP-W3	69.67
	M30x2	20S	101	104	36		FF12-1-T2030	51,50	FF12-2-T2030	37,20
			3.98	4.09	1.42		QRC-FF-12-F-20SB-BT-W3	113.54	QRC-FF-12-M-20SB-BP-W3	82.01

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.

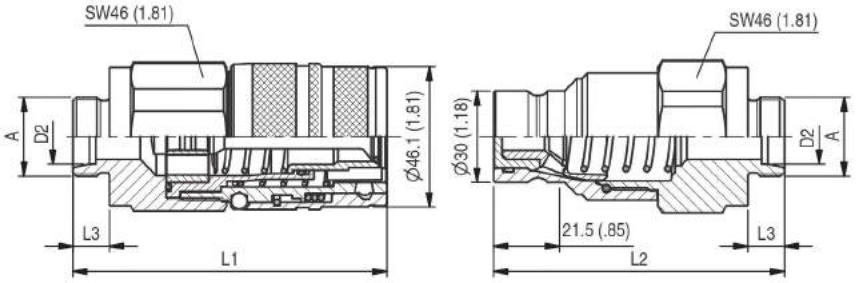


SW: Width across flats. All dimensions in mm (inch).

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

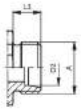
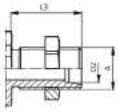
	Port A	Dimensions (mm/in)						Female Body	Weight	Male Tip	Weight
								Old Part Numbers	(g/lbs) ca.	Old Part Numbers	(g/lbs) ca.
		ØD2	L1	L2	L3	L4	SW1	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1										
	G 3/4"		87	73		16	36	FF16-1-IGF12	64,10	FF16-2-IGF12	29,20
			3.43	2.87		.63	1.42	QRC-FF-16-F-G12-BT-W3	141.32	QRC-FF-16-M-G12-BP-W3	64.38
	G 1"		89	80		18	41	FF16-1-IGF16	66,90	FF16-2-IGF16	28,50
			3.50	3.15		.71	1.61	QRC-FF-16-F-G16-BT-W3	147.49	QRC-FF-16-M-G16-BP-W3	62.83
	NPTF 3/4"-14		87	76			36	FF16-1-INF12	66,90	FF16-2-INF12	34,00
			3.43	2.99			1.42	QRC-FF-16-F-NF12-BT-W3	147.49	QRC-FF-16-M-NF12-BP-W3	74.96
	UN 1" 1/16-12		87	78		19	36	FF16-1-IUF12	65,10	FF16-2-IUF12	33,50
			3.43	3.07		.75	1.42	QRC-FF-16-F-U12-BT-W3	143.52	QRC-FF-16-M-U12-BP-W3	73.86
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M22x1,5	15L	87	88	12		36	FF16-1-L1522	60,80	FF16-2-L1522	36,60
			3.43	3.46	.47		1.42	QRC-FF-16-F-15L-BT-W3	134.04	QRC-FF-16-M-15L-BP-W3	80.69
	M26x1,5	18L	87	88	12		36	FF16-1-L1826	61,30	FF16-2-L1826	36,90
			3.43	3.46	.47		1.42	QRC-FF-16-F-18L-BT-W3	135.14	QRC-FF-16-M-18L-BP-W3	81.35
	M30x2	22L	89	90	14		36	FF16-1-L2230	61,80	FF16-2-L2230	37,30
			3.50	3.54	.55		1.42	QRC-FF-16-F-22L-BT-W3	136.25	QRC-FF-16-M-22L-BP-W3	82.23
	M24x1,5	16S	89	90	14		36	FF16-1-S1624	61,80	FF16-2-S1624	37,40
			3.50	3.54	.55		1.42	QRC-FF-16-F-16S-BT-W3	136.25	QRC-FF-16-M-16S-BP-W3	82.45
	M30x2	20S	91	92	16		36	FF16-1-S2030	63,30	FF16-2-S2030	43.90
			3.58	3.62	.63		1.42	QRC-FF-16-F-20S-BT-W3	139.55	QRC-FF-16-M-20S-BP-W3	96.78
	M36x2	25S	93	94	18		41	FF16-1-S2536	65,60	FF16-2-S2536	47,20
			3.66	3.70	.71		1.61	QRC-FF-16-F-25S-BT-W3	144.62	QRC-FF-16-M-25S-BP-W3	104.06
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M22x1,5	15L	102	103	27		36	FF16-1-N1522	63,60	FF16-2-N1522	39,50
			4.02	4.06	1.06		1.42	QRC-FF-16-F-15LB-BT-W3	140.21	QRC-FF-16-M-15LB-BP-W3	87.08
	M26x1,5	18L	102	103	27		36	FF16-1-N1826	65,10	FF16-2-N1826	41,10
			4.02	4.06	1.06		1.42	QRC-FF-16-F-18LB-BT-W3	143.52	QRC-FF-16-M-18LB-BP-W3	90.61
	M30x2	22L	109	110	34		36	FF16-1-N2230	68,10	FF16-2-N2230	43,90
			4.29	4.33	1.34		1.42	QRC-FF-16-F-22LB-BT-W3	150.14	QRC-FF-16-M-22LB-BP-W3	96.78
	M24x1,5	16S	104	105	29		36	FF16-1-T1624	65,40	FF16-2-T1624	41,40
			4.09	4.13	1.14		1.42	QRC-FF-16-F-16SB-BT-W3	144.18	QRC-FF-16-M-16SB-BP-W3	91.27
	M30x2	20S	111	112	36		36	FF16-1-T2030	71,00	FF16-2-T2030	46,90
			4.37	4.41	1.42		1.42	QRC-FF-16-F-20SB-BT-W3	156.53	QRC-FF-16-M-20SB-BP-W3	103.40
	M36x2	25S	113	114	38		41	FF16-1-T2536	76,20	FF16-2-T2536	58,20
			4.45	4.49	1.50		1.61	QRC-FF-16-F-25SB-BT-W3	167.99	QRC-FF-16-M-25SB-BP-W3	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.

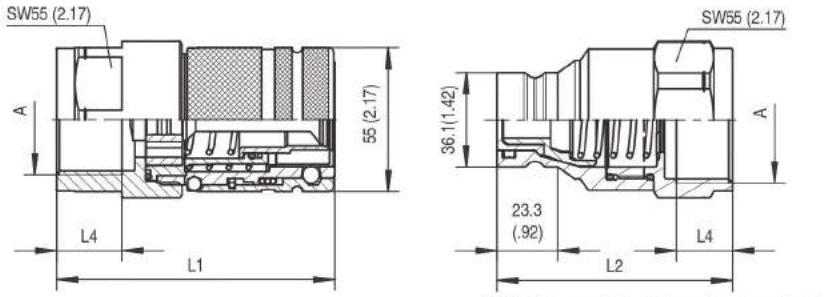


SW: Width across flats. All dimensions in mm (inch).

Series FF-19 ▪ BG 4 ▪ Nominal Size 19

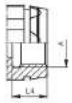
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 6149-1 - ANSI B 1.20.3-SAE J1926-1									
	G 3/4"		99	84		16	FF19-1-IGF12	92,90	FF19-2-IGF12	53,10
			3.89	3.31		.63	QRC-FF-19-F-G12-BT-W3	204.81	QRC-FF-19-M-G12-BP-W3	117.07
	G 1"		99	84		18	FF19-1-IGF16	87,50	FF19-2-IGF16	47,40
			3.89	3.31		.71	QRC-FF-19-F-G16-BT-W3	192.90	QRC-FF-19-M-G16-BP-W3	104.50
	NPTF 3/4"-14		99	84			FF19-1-INF12	94,40	FF19-2-INF12	54,40
			3.90	3.31			QRC-FF-19-F-NF12-BT-W3	208.12	QRC-FF-19-M-NF12-BP-W3	119.93
	NPTF 1"-11 1/2		99	84			FF19-1-INF16	90,50	FF19-2-INF16	50,50
			3.90	3.31			QRC-FF-19-F-NF16-BT-W3	199.52	QRC-FF-19-M-NF16-BP-W3	111.33
	UN 1" 1/16-12		99	84		19	FF19-1-IUF12	93,10	FF19-2-IUF12	53
			3.90	3.31		.75	QRC-FF-19-F-U12-BT-W3	205.25	QRC-FF-19-M-U12-BP-W3	116.85
	UN 1" 5/16-12		99	84		19	FF19-1-IUF16	89,30	FF19-2-IUF16	47,90
			3.90	3.31		.75	QRC-FF-19-F-U16-BT-W3	196.87	QRC-FF-19-M-U16-BP-W3	105.60
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M26x1,5	18L	103	96	12		FF19-1-L1826	91,10	FF19-2-L1826	60,70
			4.06	3.76	.47		QRC-FF-19-F-18L-BT-W3	200.84	QRC-FF-19-M-18L-BP-W3	133.82
	M30x2	22L	105	98	14		FF19-1-L2230	91,10	FF19-2-L2230	59,80
			4.14	3.84	.55		QRC-FF-19-F-22L-BT-W3	200.84	QRC-FF-19-M-22L-BP-W3	131.84
	M36x2	28L	105	98	14		FF19-1-L2836	90,30	FF19-2-L2836	58,10
			4.14	3.84	.55		QRC-FF-19-F-28L-BT-W3	199.08	QRC-FF-19-M-28L-BP-W3	128.09
	M30x2	20S	107	100	16		FF19-1-S2030	93,10	FF19-2-S2030	62,50
			4.22	3.92	.63		QRC-FF-19-F-20S-BT-W3	205.25	QRC-FF-19-M-20S-BP-W3	137.79
	M36x2	25S	109	102	18		FF19-1-S2536	94,70	FF19-2-S2536	63,20
			4.30	4.00	.71		QRC-FF-19-F-25S-BT-W3	208.78	QRC-FF-19-M-25S-BP-W3	139.33
	M42x2	30S	111	104	20		FF19-1-S3042	96,10	FF19-2-S3042	63,70
			4.38	4.07	.79		QRC-FF-19-F-30S-BT-W3	211.86	QRC-FF-19-M-30S-BP-W3	140.43
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M26x1,5	18L	125	118	34		FF19-1-N1826	97,20	FF19-2-N1826	66,80
			4.93	4.63	1.34		QRC-FF-19-F-18LB-BT-W3	214.29	QRC-FF-19-M-18LB-BP-W3	147.27
	M30x2	22L	125	118	34		FF19-1-N2230	97,70	FF19-2-N2230	66,50
			4.93	4.63	1.34		QRC-FF-19-F-22LB-BT-W3	215.39	QRC-FF-19-M-22LB-BP-W3	146.61
	M36x2	28L	125	118	34		FF19-1-N2836	99,20	FF19-2-N2836	67
			4.93	4.63	1.34		QRC-FF-19-F-28LB-BT-W3	218.70	QRC-FF-19-M-28LB-BP-W3	147.71
	M30x2	20S	129	120	36		FF19-1-T2030	101,80	FF19-2-T2030	70,40
			5.09	4.70	1.42		QRC-FF-19-F-20SB-BT-W3	224.43	QRC-FF-19-M-20SB-BP-W3	155.21
	M36x2	25S	129	124	38		FF19-1-T2536	105,76	FF19-2-T2536	74,30
			5.09	4.86	1.50		QRC-FF-19-F-25SB-BT-W3	233.16	QRC-FF-19-M-25SB-BP-W3	163.80
	M42x2	30S	131	124	38		FF19-1-T3042	110,10	FF19-2-T3042	77,80
			5.17	4.86	1.50		QRC-FF-19-F-30SB-BT-W3	242.73	QRC-FF-19-M-30SB-BP-W3	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.

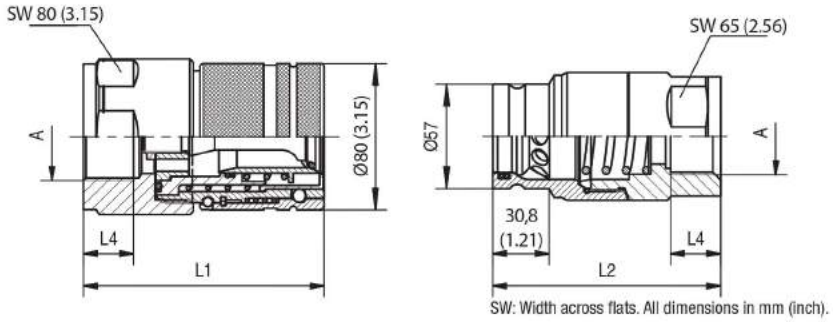


SW: Width across flats. All dimensions in mm (inch).

Series FF-25 ▪ BG 5 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 1"		106	90		18	FF25-1-IGF16	141,50	FF25-2-IGF16	81,50
			4.17	3.54		.71	QRC-FF-25-F-G16-BT-W3	311.95	QRC-FF-25-M-G16-BP-W3	179.68
	G 1" 1/4		106	90		20	FF25-1-IGF20	130,10	FF25-2-IGF20	71,40
			4.17	3.54		.79	QRC-FF-25-F-G20-BT-W3	286.82	QRC-FF-25-M-G20-BP-W3	157.41
	G 1" 1/2		106	95,6		22	FF25-1-IGF24	120,50	FF25-2-IGF24	83,00
			4.17	3.76		.87	QRC-FF-25-F-G24-BT-W3	265.66	QRC-FF-25-M-G24-BP-W3	182.98
	NPTF 1" 11 1/2		106	90			FF25-1-INF16	143,00	FF25-2-INF16	83,00
			4.17	3.54			QRC-FF-25-F-NF16-BT-W3	315.26	QRC-FF-25-M-NF16-BP-W3	182.98
	NPTF 1" 1/4-11 1/2		106	90			FF25-1-INF20	133,70	FF25-2-INF20	73,60
			4.17	3.54			QRC-FF-25-F-NF20-BT-W3	294.76	QRC-FF-25-M-NF20-BP-W3	162.26
	UN 1" 5/16 - 12		106	90		19	FF25-1-IUF16	140,50	FF25-2-IUF16	80,80
			4.17	3.54		.75	QRC-FF-25-F-U16-BT-W3	309.75	QRC-FF-25-M-U16-BP-W3	178.13
	UN 1" 5/8 - 12		106	90		19	FF25-1-IUF20	132,10	FF25-2-IUF20	72,00
			4.17	3.54		.75	QRC-FF-25-F-U20-BT-W3	291.23	QRC-FF-25-M-U20-BP-W3	158.73

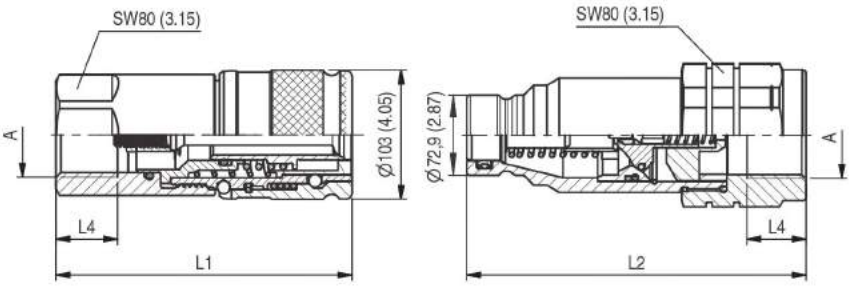
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

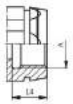
Series FF-38 ▪ BG 6 ▪ Nominal Size 38

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ISO 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 1 1/4"		131,6	124,6		21,5	FF38-1-IGF20	388,40	FF38-2-IGF20	218,60
			5.18	4.91		.85	QRC-FF-38-F-G20-S1-W3	856.28	QRC-FF-38-M-G20-BT-W3	481.93
	G 1 1/2"		131,6	124,6		23	FF38-1-IGF24	379,10	FF38-2-IGF24	209,90
			5.18	4.91		.89	QRC-FF-38-F-G24-S1-W3	835.77	QRC-FF-38-M-G24-BT-W3	462.75
	NPTF 1" 1/4- 11 1/2		131,6	124,6			FF38-1-INF20	390,50	FF38-2-INF20	221,10
			5.18	4.91			QRC-FF-38-F-NF20-S1-W3	860.91	QRC-FF-38-M-NF20-BT-W3	487.44
	NPTF 1" 1/2- 11 1/2		131,6	124,6			FF38-1-INF24	381,20	FF38-2-INF24	216,80
			5.18	4.91			QRC-FF-38-F-NF24-S1-W3	840.40	QRC-FF-38-M-NF24-BT-W3	477.96
	UN 1" 5/8-12		131,6	124,6		19	FF38-1-IUF20	387,70	FF38-2-IUF20	218,50
			5.18	4.91		.75	QRC-FF-38-F-U20-S1-W3	854.73	QRC-FF-38-M-U20-BT-W3	481.71
	UN 1" 7/8-12		131,6	124,6		19	FF38-1-IUF24	376,10	FF38-2-IUF24	210,30
			5.18	4.91		.75	QRC-FF-38-F-U24-S1-W3	829.16	QRC-FF-38-M-U24-BT-W3	463.63

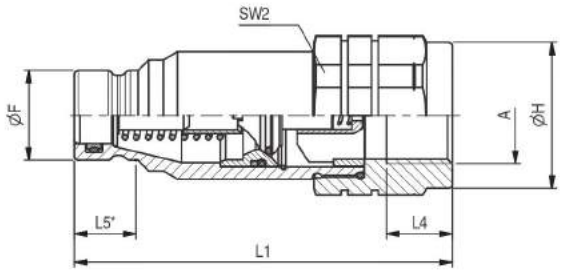


SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF 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	FH51-1-IGF32	550	FU51-2-IGF32	489
			5.80	6.81		.94	QRC-FH-51-F-G32-BT-W66	1212.54	QRC-FU-51-M-G32-BT-W66	1078.06
	NPTF 2" -11 1/2		147,4	173			FH51-1-INF32	540	FU51-2-INF32	479
			5.80	6.81			QRC-FH-51-F-NF32-BT-W66	1190.50	QRC-FU-51-M-NF32-BT-W66	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.

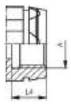


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series FU-12.
* Insertion Male Tip

Series FU-10 ▪ BG 2 ▪ Nominal Size 10 ▪ Connect Under Pressure

	Port A	Dimensions (mm/in)						Male Tip	Weight
								Old Part Numbers	(kg/lbs) ca.
		ØF	ØH	L1	L4	L5	SW2	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2								
	G 3/8"	19,79	29,3	87	12	15,6	30	FU10-2-IGF06	24,10
		.78	1.17	3.43	.47	.61	1.18	QRC-FU-10-M-G06-BT-W3	53.13
	G 1/2"	19,79	29,3	90	14	15,6	30	FU10-2-IGF08	24,60
		.78	1.17	3.54	.55	.61	1.18	QRC-FU-10-M-G08-BT-W3	54.23

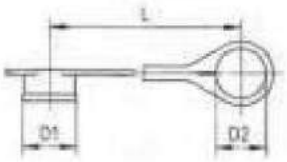
Series FU-12 ▪ BG 3 ▪ Nominal Size 12,5 ▪ Connect Under Pressure

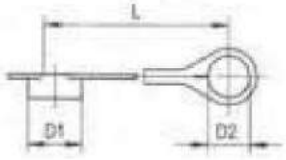
	Port A	Dimensions (mm/in)						Male Tip	Weight
								Old Part Numbers	(kg/lbs) ca.
		ØF	ØH	L1	L4	L5	SW2	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2								
	G 1/2"	24,58	40	98	14	16,9	41	FU12-2-IGF08	49,20
		.97	1.57	3.86	.55	.67	1.61	QRC-FU-12-M-G08-BT-W3	108.47
	G 3/4"	24,58	40	104	16	16,9	41	FU12-2-IGF12	51,10
		.97	1.57	4.09	.63	.67	1.61	QRC-FU-12-M-G12-BT-W3	112.66

Series FU-19 ▪ BG 4 ▪ Nominal Size 19 ▪ Connect Under Pressure

	Port A	Dimensions (mm/in)						Male Tip	Weight
								Old Part Numbers	(kg/lbs) ca.
		ØF	ØH	L1	L4	L5	SW2	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2								
	G 3/4"	30	45,5	114	16	21,5	46	FU19-2-IGF12	82,60
		1.18	1.79	4.49	.63	.85	1.81	QRC-FU-19-M-G12-BT-W3	182.10
	G 1"	30	45,5	114	18	21,5	46	FU19-2-IGF16	77,90
		1.18	1.79	4.49	.71	.85	1.81	QRC-FU-19-M-G16-BT-W3	171.74

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.





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
28	24	170	Plastic (Colour: Red)	FF06-0-RT001
1.10	.94	6.69		QRC-FF-06-DM-24-K-RD
32	27	115	Plastic (Colour: Red)	FF10-0-RT001
1.26	1.06	4.53		QRC-FF-10-DM-27-K-RD
38	35,5	135	Plastic (Colour: Red)	FF12-0-RT001
1.50	1.40	5.31		QRC-FF-12-DM-36-K-RD
42	30	220	Plastic (Colour: Red)	FF16-0-RT001
1.65	1.18	8.66		QRC-FF-16-DM-30-K-RD
48	45,5	150	Plastic (Colour: Red)	FF19-0-RT001
1.89	1.79	5.91		QRC-FF-19-DM-46-K-RD
46	51	290	Plastic (Colour: Red)	FF25-0-RT001
1.81	2.01	11.42		QRC-FF-25-DM-51-K-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
34	24	170	Plastic (Colour: Red)	FF06-9-RT001
1.34	.94	6.69		QRC-FF-06-DF-24-K-RD
38	30	130	Plastic (Colour: Red)	FF10-9-RT001
1.50	1.18	5.12		QRC-FF-10-DF-30-K-RD
45	35,5	140	Plastic (Colour: Red)	FF12-9-RT001
1.77	1.40	5.51		QRC-FF-12-DF-36-K-RD
46	30	225	Plastic (Colour: Red)	FF16-9-RT001
1.81	1.18	8.86		QRC-FF-16-DF-30-K-RD
62	45,5	170	Plastic (Colour: Red)	FF19-9-RT001
2.44	1.79	6.69		QRC-FF-19-DF-46-K-RD
62	51	290	Plastic (Colour: Red)	FF25-9-RT001
2.44	2.01	11.42		QRC-FF-25-DF-51-K-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 old color codes BL, GN, GE and SW respectively instead of RT.
Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

Series FH ▪ Stainless Steel

Material	Stainless Steel V4A (AISI 316L)
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

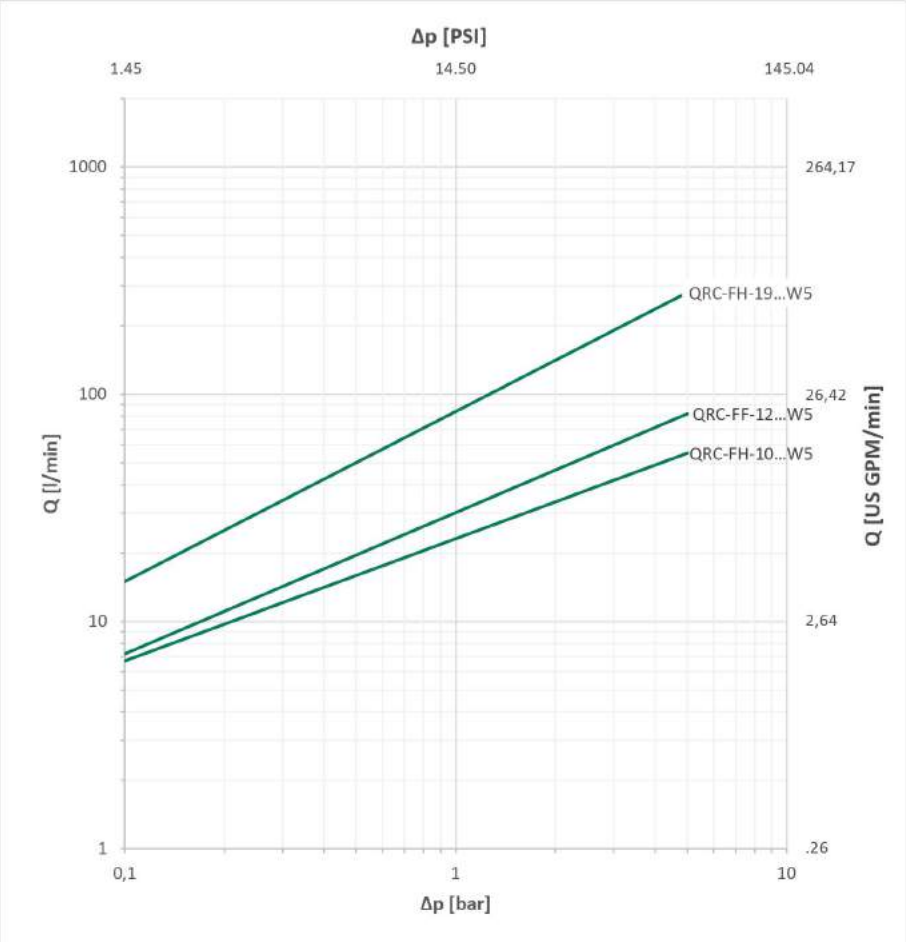
[2] Alternative seal materials are available on request.

Technical Data

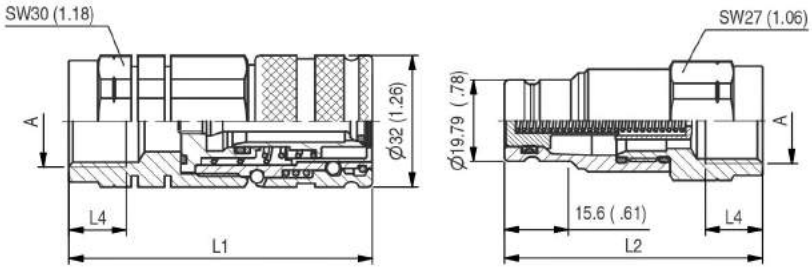
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FH-10	2	3/8"	10	80	21.13	250	3626	1300	18855	750	10878	1000	14504	0,015	.0005
FH-12	3	1/2"	12,5	120	31.70	250	3626	1300	18855	750	10878	1000	14504	0,02	.0007
FH-19	6	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



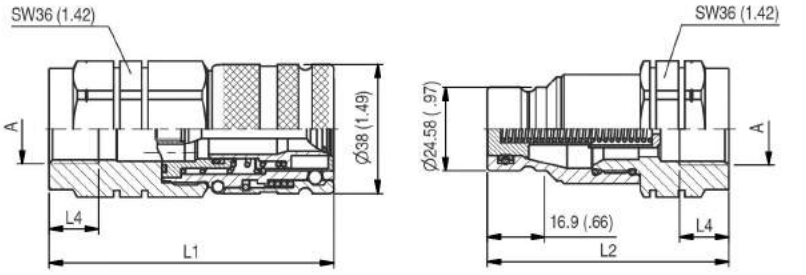
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



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

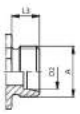
Series FH-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 3/8"		68,9	57,8		12,5	FH10-1-IGF06VA	30	FH10-2-IGF06VA	15,80
			2.71	2.28		.49	QRC-FH-10-F-G06-VT-W5	66.14	QRC-FH-10-M-G06-VT-W5	34.83
	G 1/2"		74	62.9		14	FH10-1-IGF08VA	30,40	FH10-2-IGF08VA	15,50
			2.91	2.48		.55	QRC-FH-10-F-G08-VT-W5	67.02	QRC-FH-10-M-G08-VT-W5	34.17
	NPTF 1/2"		74	62.9			FH10-1-INF08VA	30,80	FH10-2-INF08VA	15,20
			2.91	2.48			QRC-FH-10-F-NF08-VT-W5	67.90	QRC-FH-10-M-NF08-VT-W5	33.51
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	88,3	79,4	11		FH10-1-L1218VA	34,50	FH10-2-L1218VA	20,40
			3.48	3.13	.43		QRC-FH-10-F-12L-VT-W5	76.06	QRC-FH-10-M-12L-VT-W5	44.97
	M22x1,5	15L		110,9	27		FH10-1-N1522VA		FH10-2-N1522VA	29,80
				4.37	1.06		QRC-FH-10-F-15LB-VT-W5		QRC-FH-10-M-15LB-VT-W5	65.70

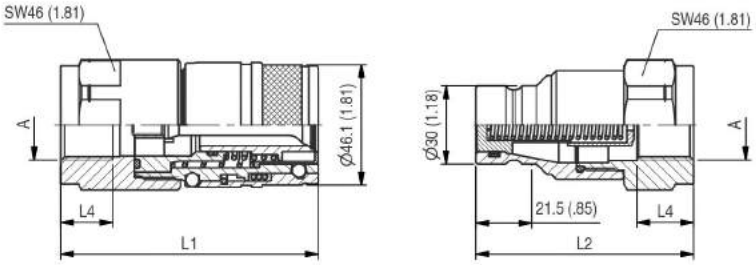


SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 1/2"		84	71		14	FH12-1-IGF08VA	52,50	FH12-2-IGF08VA	32,60
			3.31	2.80		.55	QRC-FH-12-F-G08-VT-W5	115.74	QRC-FH-12-M-G08-VT-W5	71.87
	G 3/4"		84	71		16	FH12-1-IGF12VA	49,10	FH12-2-IGF12VA	29,50
			3.31	2.80		.63	QRC-FH-12-F-G12-VT-W5	108.25	QRC-FH-12-M-G12-VT-W5	65.04
	NPTF 1/2"		84	71			FH12-1-INF08VA	52,80	FH12-2-INF08VA	33
			3.31	2.80			QRC-FH-12-F-NF08-VT-W5	116.40	QRC-FH-12-M-NF08-VT-W5	72.75
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	103,8	91,1	11		FH12-1-L1218VA	60,10	FH12-2-L1218VA	40,40
			4.09	3.59	.43		QRC-FH-12-F-12L-VT-W5	132.50	QRC-FH-12-M-12L-VT-W5	89.07
	M22x1,5	15L	104,8	92,1	12		FH12-1-L1522VA	60,60	FH12-2-L1522VA	40,90
			4.13	3.63	1,06		QRC-FH-12-F-15L-VT-W5	133.60	QRC-FH-12-M-15L-VT-W5	90.17

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 FH-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 9974-1 - ANSI B 1.20.3									
	G 3/4"		99	84		16	FH19-1-IGF12VA	102,90	FH19-2-IGF12VA	57
			3.90	3.31		.63	QRC-FH-19-F-G12-VT-W5	226.86	QRC-FH-19-M-G12-VT-W5	125.66
	G 1"		99	84		18	FH19-1-IGF16VA	97,20	FH19-2-IGF16VA	51,10
			3.90	3.31		.71	QRC-FH-19-F-G16-VT-W5	214.29	QRC-FH-19-M-G16-VT-W5	112.66
	NPTF 1"-11 ½		99	84			FH19-1-INF16VA	100,40	FH19-2-INF16VA	54,30
			3.90	3.31			QRC-FH-19-F-NF16-VT-W5	221.34	QRC-FH-19-M-NF16-VT-W5	119.71
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M30x2	20S	130	114,8	16		FH19-1-S2030VA	120	FH19-2-S2030VA	74,10
			5.12	4.52	.63		QRC-FH-19-F-20S-VT-W5	264.55	QRC-FH-19-M-20S-VT-W5	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

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

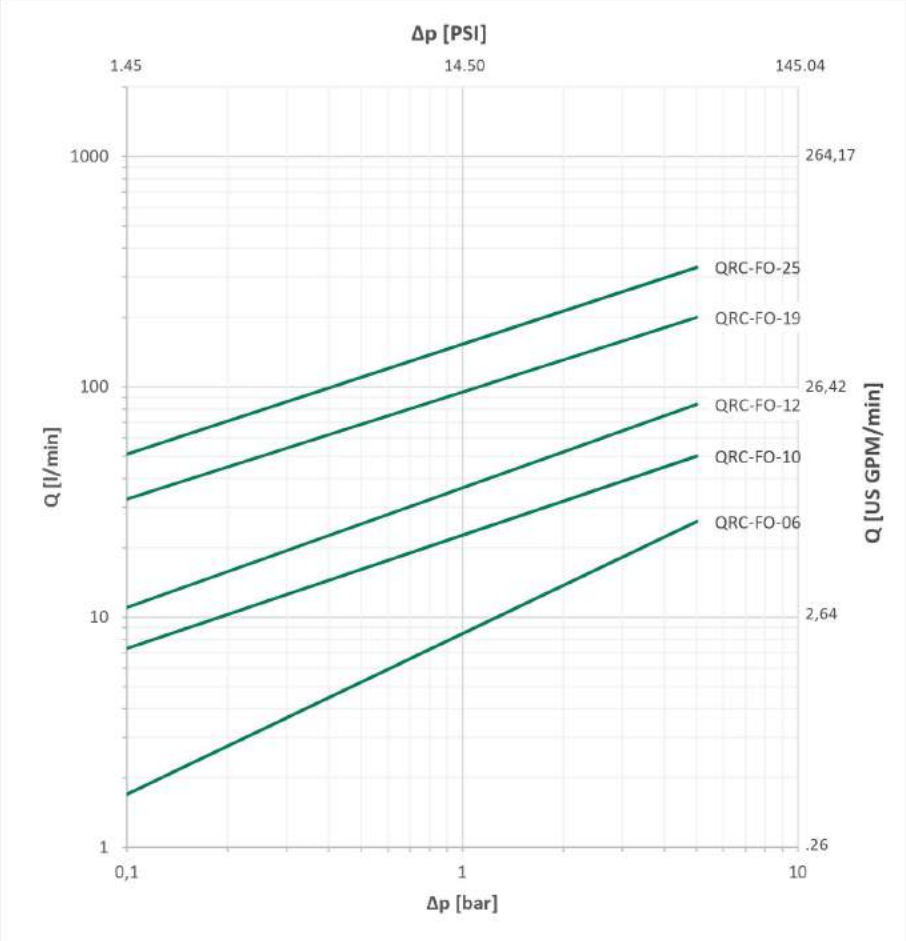
[2] Alternative seal materials are available on request.

Technical Data

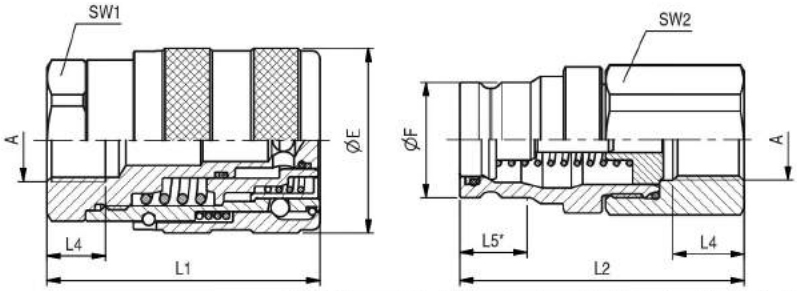
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
FO-06	1	1/4"	6,3	20	5.28	350	5076	2150	31183	1700	24656	1970	28572	0,01	.0003
FO-10	2	3/8"	10	45	11.89	350	5076	2000	29008	1300	18855	1400	20305	0,02	.0007
FO-12	3	1/2"	12,5	60	15.85	350	5076	2000	29008	1300	18855	1100	15954	0,03	.0010
FO-19	6	3/4"	19 (20)	150	39.62	350	5076	1700	24656	1280	18565	1100	15954	0,06	.0020
FO-25	8	1"	25	240	63.40	350	5076	1450	21030	1150	16679	1000	14504	0,1	.0034

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

Flow Characteristics

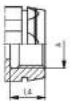


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

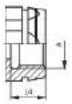


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series FO-12.
* Insertion Male Tip

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

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/4"	30	18	52	61,5	12	13,5	24	22	FO06-1-IGF04-VA	17,90	FO06-2-IGF04-VA	12,20
		1.18	.71	2.04	2.42	.47	.53	.94	.87	QRC-FO-06-F-G04-VT-W5	39.46	QRC-FO-06-M-G04-VT-W5	26.90
	NPTF 1/4" -18	30	18	52	61,5	12	13,5	24	22	FO06-1-INF04-VA	18	FO06-2-INF04-VA	12,30
		1.18	.71	2.04	2.42	.47	.53	.94	.87	QRC-FO-06-F-NF04-VT-W5	39.68	QRC-FO-06-M-NF04-VT-W5	27.12

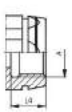
Series FO-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	40	23,7	62	70	14	16,5	30	30	FO10-1-IGF06-VA	39	FO10-2-IGF06-VA	21,70
		1.57	.93	2.44	2.76	.47	.65	1.18	1.18	QRC-FO-10-F-G06-VT-W5	85.98	QRC-FO-10-M-G06-VT-W5	47.84
	NPTF 3/8" -18	40	23,7	62	70		16,5	30	30	FO10-1-INF06-VA	39	FO10-2-INF06-VA	22
		1.57	.93	2.44	2.76		.65	1.18	1.18	QRC-FO-10-F-NF06-VT-W5	85.98	QRC-FO-10-M-NF06-VT-W5	48.50
	G 1/2"	40	23,7	62	69,5	14	16,5	30	30	FO10-1-IGF08-VA	36,90	FO10-2-IGF08-VA	20,10
		1.57	.93	2.44	2.74	.55	.65	1.18	1.18	QRC-FO-10-F-G08-VT-W5	81.35	QRC-FO-10-M-G08-VT-W5	44.31
	NPTF 1/2" -14	40	23,7	62	73,5		16,5	30	30	FO10-1-INF08-VA	37,10	FO10-2-INF08-VA	21,60
		1.57	.93	2.44	2.89		.65	1.18	1.18	QRC-FO-10-F-NF08-VT-W5	81.79	QRC-FO-10-M-NF08-VT-W5	47.62

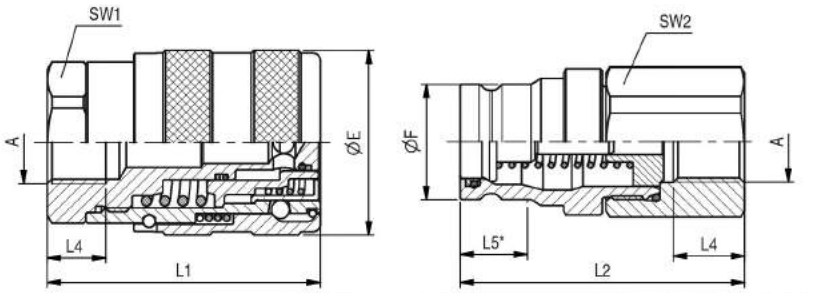
Series FO-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/2"	48	30	71	74	14	17,5	38	36	FO12-1-IGF08-VA	63,10	FO12-2-IGF08-VA	38,30
		1.89	1.18	2.80	2.91	.55	.69	1.49	1.42	QRC-FO-12-F-G08-VT-W5	139.11	QRC-FO-12-M-G08-VT-W5	84.44
	NPTF 1/2" -14	48	30	71	74		17,5	38	36	FO12-1-INF08-VA	63,40	FO12-2-INF08-VA	38,50
		1.89	1.18	2.80	2.91		.69	1.49	1.42	QRC-FO-12-F-NF08-VT-W5	139.77	QRC-FO-12-M-NF08-VT-W5	84.88

Series FO-19 ▪ BG 6 ▪ Nominal Size 19

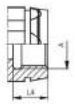
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	58	38,6	79	90	16	22	46	41	FO19-1-IGF12-VA	95,40	FO19-2-IGF12-VA	56
		2.28	1.52	3.11	3.54	.63	.87	1.81	1.61	QRC-FO-19-F-G12-VT-W5	210.32	QRC-FO-19-M-G12-VT-W5	123.46
	NPTF 3/4" -14	58	38,6	79	90		22	46	41	FO19-1-INF12-VA	96	FO19-2-INF12-VA	56,70
		2.28	1.52	3.11	3.54		.87	1.81	1.61	QRC-FO-19-F-NF12-VT-W5	211.64	QRC-FO-19-M-NF12-VT-W5	125.00

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.



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

Series FO-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in)								Female Body Old Part Numbers	Weight (kg/lbs) ca.	Male Tip Old Part Numbers	Weight (kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	68	45	88	107	18	23	50	50	FO25-1-IGF16-VA	137	FO25-2-IGF16-VA	82,80
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97	QRC-FO-25-F-G16-VT-W5	302.03	QRC-FO-25-M-G16-VT-W5	182.54
	NPTF 1" -11 1/2	68	45	88	107	18	23	50	50	FO25-1-INF16-VA	138,50	FO25-2-INF16-VA	84
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97	QRC-FO-25-F-NF16-VT-W5	305.34	QRC-FO-25-M-NF16-VT-W5	185.19
	G 1 1/4"	68	45	88	107	18	23	50	50	FO25-1-IGF20-VA	127,50	FO25-2-IGF20-VA	86,80
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97	QRC-FO-25-F-G20-VT-W5	281.09	QRC-FO-25-M-G20-VT-W5	191.36
	NPTF 1 1/4" -11 1/2	68	45	88	107	18	23	50	50	FO25-1-INF20-VA	128,90	FO25-2-INF20-VA	880
		2.68	1.77	3.46	4.21	.71	.90	1.97	1.97	QRC-FO-25-F-NF20-VT-W5	284.18	QRC-FO-25-M-NF20-VT-W5	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

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

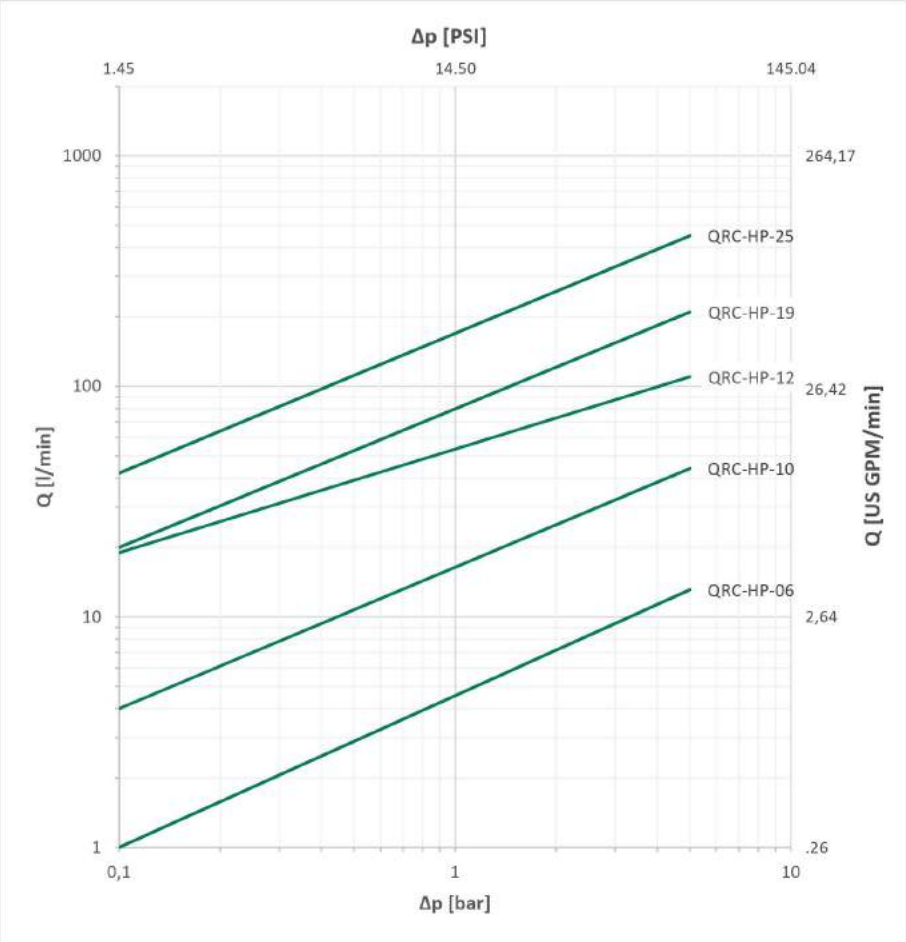
[1] Only Nominal Size 12,5
[2] Alternative seal materials are available on request.

Technical Data

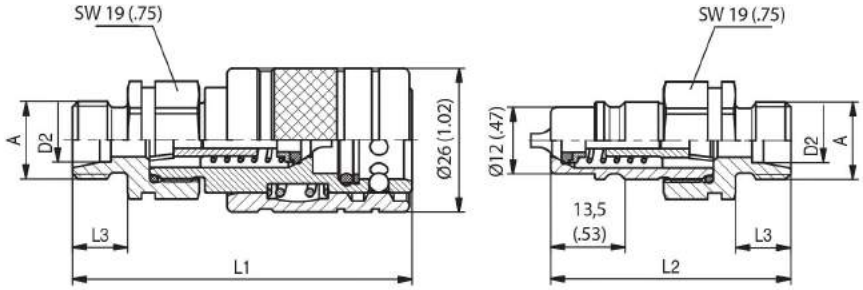
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HP-06	1	1/4"	6,3	20	5.28	250	3626	1000	14504	1000	14504	1000	14504	0,8	.0271
HP-10	2	3/8"	10	40	10.57	250	3626	1000	14504	1000	14504	1000	14504	1,2	.0406
HP-12	3	1/2"	12,5	100	21.13	250	3626	1000	14504	1000	14504	1000	14504	1,7	.0575
HP-19	6	3/4"	19 (20)	120	31.70	250	3626	1000	14504	1000	14504	700	10153	8,0	.2705
HP-25	8	1"	25	160	42.27	250	3626	1000	14504	1000	14504	700	10153	12,0	.4058
HU-12	3	1/2''	12	90	23.77	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

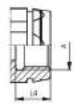


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

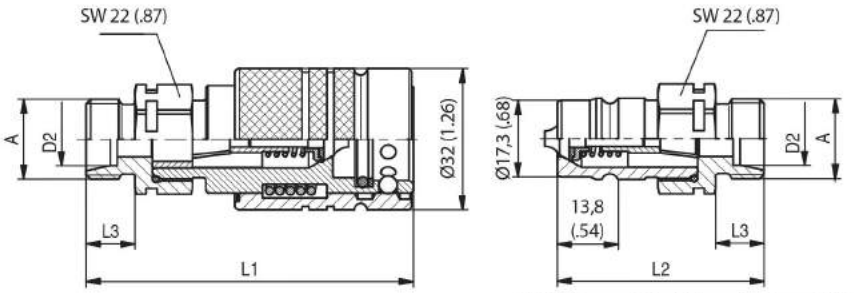


SW: Width across flats. All dimensions in mm (inch).

Series HP-06 • BG 1 • Nominal Size 6,3

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G1/4"		64	44		13	HP04-1-IGF04	14,60	HP04-2-IGF04	5,20
			2.52	1.73		.51	QRC-HPA-06-F-G04-BT-W66	32.19	QRC-HPA-06-M-G04-B-W66	11.46
	NPTF 1/4" -18		64	44			HP04-1-INF04	15	HP04-2-INF04	5,20
			2.52	1.73			QRC-HPA-06-F-NF04-BT-W66	33.07	QRC-HPA-06-M-NF04-B-W66	11.46
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	62	42	10		HP04-1-L0814	13,40	HP04-2-L0814	4
			2.44	1.65	.39		QRC-HPA-06-F-08L-BT-W66	29.54	QRC-HPA-06-M-08L-B-W66	8.82
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	77	59	25		HP04-1-N0814	15,40	HP04-2-N0814	6,20
			3.01	2.30	.98		QRC-HPA-06-F-08LB-BT-W66	33.95	QRC-HPA-06-M-08LB-B-W66	13.67

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).

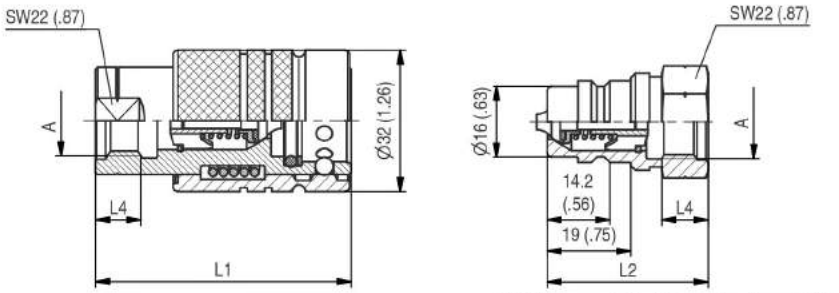
Series HP-10 ▪ BG 2 ▪ Nominal Size 10

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to ISO 1179-4-B									
	G3/8"		77	51	12		HP08-1-AGF06	2,20	HP08-2-AGF06	7,80
			3.03	2.01	.47		QRC-HP-10-F-B06-BT-W66	4.85	QRC-HP-10-M-B06-B-W66	17.2
	Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3									
	G1/4"		76	49		13	HP08-1-IGF04	19,50	HP08-2-IGF04	88
			2.99	1.93		.51	QRC-HP-10-F-G04-BT-W66	42.99	QRC-HP-10-M-G04-B-W66	193.60
	G3/8"		76	49		13	HP08-1-IGF06	18,80	HP08-2-IGF06	80
			2.99	1.93		.51	QRC-HP-10-F-G06-BT-W66	41.45	QRC-HP-10-M-G06-B-W66	176.00
	M16x1,5		76	49		13	HP08-1-IMF16	18,80	HP08-2-IMF16	81
			2.99	1.93		.51	QRC-HP-10-F-M16-BT-W66	41.45	QRC-HP-10-M-M16-B-W66	178.20
	NPTF 3/8"-18		76	49			HP08-1-INF06	18,80	HP08-2-INF06	81
			2.99	1.93			QRC-HP-10-F-NF06-BT-W66	41.45	QRC-HP-10-M-NF06-B-W66	178.20
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	73	46	10		HP08-1-L0814	21	HP08-2-L0814	4,20
			2.87	1.81	.39		QRC-HP-10-F-08L-BT-W66	46.30	QRC-HP-10-M-08L-B-W66	9.26
	M16x1,5	10L	74	47	11		HP08-1-L1016	21	HP08-2-L1016	6,50
			2.91	1.85	.43		QRC-HP-10-F-10L-BT-W66	46.30	QRC-HP-10-M-10L-B-W66	14.33
	M18x1,5	12L	74	47	11		HP08-1-L1218	21,50	HP08-2-L1218	7,30
			2.91	1.84	.43		QRC-HP-10-F-12L-BT-W66	47.40	QRC-HP-10-M-12L-B-W66	16,09
	M16x1,5	8S	75	48	12		HP08-1-S0816	21,20	HP08-2-S0816	7,10
			2.95	1.89	.47		QRC-HP-10-F-08S-BT-W66	46.74	QRC-HP-10-M-08S-B-W66	15.65
	M18x1,5	10S	75	48	12		HP08-1-S1018	21,60	HP08-2-S1018	7,20
			2.95	1.89	.47		QRC-HP-10-F-10S-BT-W66	47.62	QRC-HP-10-M-10S-B-W66	15.87
	M20x1,5	12S	75	48	12		HP08-1-S1220	21,60	HP08-2-S1220	7,40
			2.95	1.89	.47		QRC-HP-10-F-12S-BT-W66	47.62	QRC-HP-10-M-12S-B-W66	16.31
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	88	61	25		HP08-1-N0814	22,80	HP08-2-N0814	8,40
			3.46	2.39	.98		QRC-HP-10-F-08LB-BT-W66	50.27	QRC-HP-10-M-08LB-B-W66	18.51
	M16x1,5	10L	89	62	26		HP08-1-N1016	23,40	HP08-2-N1016	9
			3.50	2.43	1.02		QRC-HP-10-F-10LB-BT-W66	51.59	QRC-HP-10-M-10LB-B-W66	19.84
	M18x1,5	12L	89	62	26		HP08-1-N1218	23,50	HP08-2-N1218	9,40
			3.50	2.43	1.02		QRC-HP-10-F-12LB-BT-W66	51.81	QRC-HP-10-M-12LB-B-W66	20.72
	M16x1,5	08S	90	63	27		HP08-1-T0816 *	23	HP08-2-T0816 *	10
			3.54	2.47	1.06		QRC-HP-10-F-08SB-BT-W66 *	50.71	QRC-HP-10-M-08SB-B-W66 *	22.05
	M20x1,5	12S	90	63	27		HP08-1-T1220 *	22	HP08-2-T1220 *	7,40
			3.54	2.47	1.06		QRC-HP-10-F-12SB-BT-W66 *	48.50	QRC-HP-10-M-12SB-B-W66 *	16.31

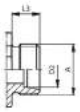
* Available on request.

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.

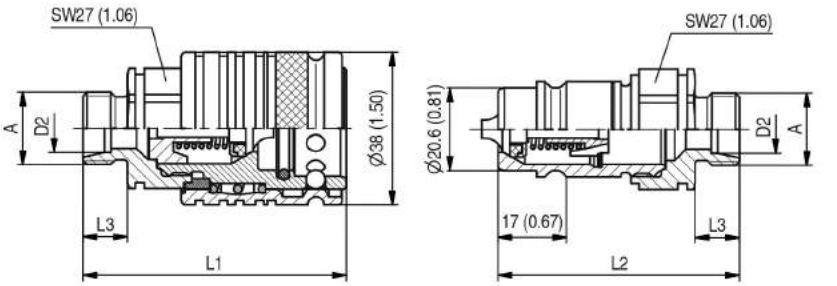


SW: Width across flats. All dimensions in mm (inch).

Series HP-10A ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G3/8"		58	37		14	HP08A1-IGF06	18,80	HP08A2-IGF06	5,10
			2.28	1.46		.55	QRC-HPA-10-F-G06-BT-W66	41.45	QRC-HPA-10-M-G06-B-W66	11.24
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M16x1,5	10L	58	37	14		HP08A1-L1016	22,60	HP08A2-L1016	8,80
			2.28	1.44	.55		QRC-HPA-10-F-10L-BT-W66	49.82	QRC-HPA-10-M-10L-B-W66	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.

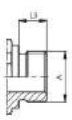
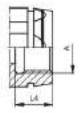


SW: Width across flats. All dimensions in mm (inch).

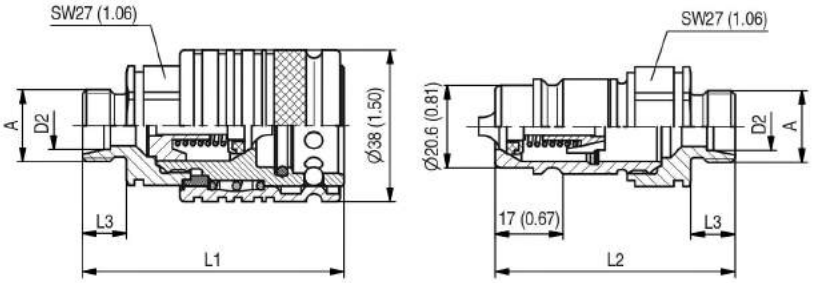
HP/HU

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

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to ISO 1179-4-B - ISO 9974-3									
	G 3/8"		71	61	12		HP10-1-AGF06N	29	HP10-2-AGF06N	11,90
			2.80	2.40	.47		QRC-HP-12-F-B06-B-W3	63.93	QRC-HP-12-M-B06-B-W3	26.24
	G 1/2"		71	61	12		HP10-1-AGF08N	29,60	HP10-2-AGF08N	12,30
			2.80	2.40	.47		QRC-HP-12-F-B08-B-W3	65.26	QRC-HP-12-M-B08-B-W3	27.12
	M22x1,5		71	61	12		HP10-1-AMF22N	30	HP10-2-AMF22N	12,90
			2.80	2.40	.47		QRC-HP-12-F-M22M-B-W3	66.14	QRC-HP-12-M-M22M-B-W3	28.44
	Female Thread according to DIN 3852-2-A - ISO 6149-1 - ISO 9974-1 - ANSI B 1.20.3 - SAE J1926-1									
	G3/8"		68	60		15	HP10-1-IGF06N	33,10	HP10-2-IGF06N	15,30
			2.68	2.36		.59	QRC-HP-12-F-G06-B-W3	72.97	QRC-HP-12-M-G06-B-W3	33.73
	G 1/2"		70	48		17	HP10-1-IGF08N	28	HP10-2-IGF08N	9,20
			2.76	1.89		.67	QRC-HP-12-F-G08-B-W3	61.73	QRC-HP-12-M-G08-B-W3	20.28
	M16x1,5		67	62		15	HP10-1-IMF16N	31,80	HP10-2-IMF16N	16
			2.65	2.43		.59	QRC-HP-12-F-M16OR-B-W3	70.11	QRC-HP-12-M-M16OR-B-W3	35.27
	M18x1,5		68	60		15	HP10-1-IMF18N	31,80	HP10-2-IMF18N	14,70
			2.68	2.36		.59	QRC-HP-12-F-M18OR-B-W3	70.11	QRC-HP-12-M-M18OR-B-W3	32.41
	M22x1,5		70	48		17	HP10-1-IMF22N	28,40	HP10-2-IMF22N	8,80
			2.76	1.89		.67	QRC-HP-12-F-M22-B-W3	62.61	QRC-HP-12-M-M22OR-B-W3	19.40
	NPTF 1/2"-14		70	48			HP10-1-INF08N	29,40	HP10-2-INF08N	9,40
			2.76	1.89			QRC-HP-12-F-NF08-B-W3	64.82	QRC-HP-12-M-NF08-B-W3	20.27
	UNF 3/4"-16		77	48		14	HP10-1-IUF08N	27,80	HP10-2-IUF08N	8,80
			3.03	1.89		.55	QRC-HP-12-F-U08-B-W3	61.29	QRC-HP-12-M-U08-B-W3	19.40

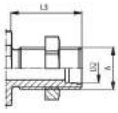
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



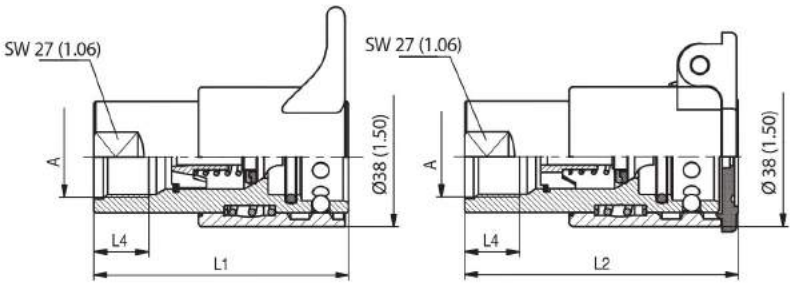
SW: Width across flats. All dimensions in mm (inch).

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

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	64	58	10		HP10-1-L0814N	26,20	HP10-2-L0814N	10,70
			2.53	2.30	.39		QRC-HP-12-F-08L-B-W3	57.76	QRC-HP-12-M-08L-B-W3	23.59
	M16x1,5	10L	65	60	11		HP10-1-L1016N	25,70	HP10-2-L1016N	10,90
			2.57	2.35	.43		QRC-HP-12-F-10L-B-W3	56.66	QRC-HP-12-M-10L-B-W3	24.03
	M18x1,5	12L	65	60	11		HP10-1-L1218N	25,70	HP10-2-L1218N	10,90
			2.57	2.35	.43		QRC-HP-12-F-12L-B-W3	56.66	QRC-HP-12-M-12L-B-W3	24.03
	M22x1,5	15L	66	61	12		HP10-1-L1522N	26,50	HP10-2-L1522N	11,70
			2.61	2.39	.47		QRC-HP-12-F-15L-B-W3	58.42	QRC-HP-12-M-15L-B-W3	25.79
	M26x1,5	18L	66	61	12		HP10-1-L1826N	27,30	HP10-2-L1826N	11,90
			2.61	2.39	.47		QRC-HP-12-F-18L-B-W3	60.19	QRC-HP-12-M-18L-B-W3	26.24
	M18x1,5	10S	66	61	12		HP10-1-S1018N	26,50	HP10-2-S1018N	11,50
			2.61	2.39	.47		QRC-HP-12-F-10S-B-W3	58.42	QRC-HP-12-M-10S-B-W3	25.35
	M20x1,5	12S	66	61	12		HP10-1-S1220N	26,70	HP10-2-S1220N	11,70
			2.61	2.39	.47		QRC-HP-12-F-12S-B-W3	58.86	QRC-HP-12-M-12S-B-W3	25.79
	M22x1,5	14S	68	63	14		HP10-1-S1422N	27,30	HP10-2-S1422N	12,30
			2.69	2.47	.55		QRC-HP-12-F-14S-B-W3	60.19	QRC-HP-12-M-14S-B-W3	27.12
	M24x1,5	16S	68	63	14		HP10-1-S1624N	27,50	HP10-2-S1624N	12,50
			2.69	2.47	.55		QRC-HP-12-F-16S-B-W3	60.63	QRC-HP-12-M-16S-B-W3	27.56
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	08L	80	75	26		HP10-1-N0814N	28,20	HP10-2-N0814N	12,90
			3.16	2.94	1.02		QRC-HP-12-F-08LB-B-W3	62.17	QRC-HP-12-M-08LB-B-W3	28.44
	M16x1,5	10L	80	75	26		HP10-1-N1016N	28,80	HP10-2-N1016N	13,50
			3.16	2.94	1.02		QRC-HP-12-F-10LB-B-W3	63.49	QRC-HP-12-M-10LB-B-W3	29.76
	M18x1,5	12L	84	79	30		HP10-1-N1218N	29,10	HP10-2-N1218N	14,30
			3.31	3.10	1.18		QRC-HP-12-F-12LB-B-W3	64.15	QRC-HP-12-M-12LB-B-W3	31.53
	M22x1,5	15L	81	76	27		HP10-1-N1522N	30,70	HP10-2-N1522N	15,90
			3.19	2.98	1.06		QRC-HP-12-F-15LB-B-W3	67.68	QRC-HP-12-M-15LB-B-W3	35.05
	M26x1,5	18L	81	76	27		HP10-1-N1826N	34,10	HP10-2-N1826N	19,30
			3.20	2.98	1.06		QRC-HP-12-F-18LB-B-W3	75.18	QRC-HP-12-M-18LB-B-W3	42.55
	M18x1,5	10S	80	75	26		HP10-1-T1018N	29,70	HP10-2-T1018N	14,70
			3.16	2.94	1.02		QRC-HP-12-F-10SB-B-W3	65.48	QRC-HP-12-M-10SB-B-W3	32.41
	M20x1,5	12S	81	76	27		HP10-1-T1220N	30,50	HP10-2-T1220N	15,50
			3.20	2.98	1.06		QRC-HP-12-F-12SB-B-W3	67.24	QRC-HP-12-M-12SB-B-W3	34.17
	M22x1,5	14S	83	78	29		HP10-1-T1422N	31,90	HP10-2-T1422N	17,10
			3.28	3.06	1.14		QRC-HP-12-F-14SB-B-W3	70.33	QRC-HP-12-M-14SB-B-W3	37.70
	M24x1,5	16S	83	78	29		HP10-1-T1624N	33,30	HP10-2-T1624N	18,30
			3.28	3.06	1.14		QRC-HP-12-F-16SB-B-W3	73.41	QRC-HP-12-M-16SB-B-W3	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.

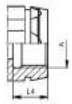
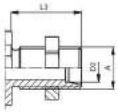


SW: Width across flats. All dimensions in mm (inch).

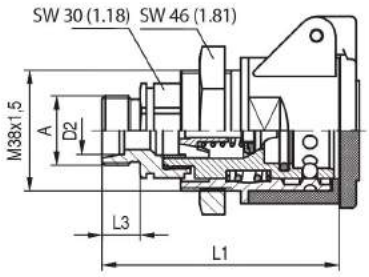
HP/HU

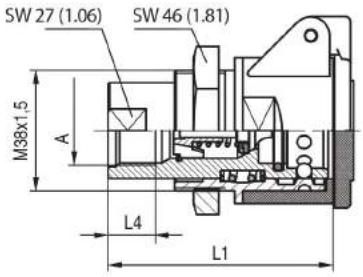
Series ZP-12 ▪ BG 3 ▪ Nominal Size 12,5

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Female Body with Dust Plug Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to DIN 3852									
	G 1/2"		74		12		ZP10-1-AGF08	31,40		
			2.92		.47		QRC-ZP-12-F-B08-B-W66	69.23		
	Female Thread according to DIN 3852-2 - ISO 9974-1									
	G1/2"		70			17	ZP10-1-IGF08	31,40		
			2.76			.67	QRC-ZP-12-F-G08-B-W66	69.23		
	M22x1,5		70	75		17	ZP10-1-IMF22	31	ZP10-5-IMF22C1	30,50
			2.76	2.95		.67	QRC-ZP-12-F-M22-B-W66	68.34	QRC-ZP-12-FF-M22/L-B-W66-SW	67.24
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	70		11		ZP10-1-L1218	30,10		
			2.76		.43		QRC-ZP-12-F-12L-B-W66	66.36		
	M22x1,5	15L	71		12		ZP10-1-L1522	30,90		
			2.80		.47		QRC-ZP-12-F-15L-B-W66	68.12		
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M18x1,5	12L	89	93	30		ZP10-1-N1218	33,50	ZP10-5-N1218C1	36,20
			3.51	3.67	1.18		QRC-ZP-12-F-12LB-B-W66	73.85	QRC-ZP-12-FF-12LB/S-B-W66-SW	79.81
	M22x1,5	15L	86	90	27		ZP10-1-N1522	35,10	ZP10-5-N1522C1	38,90
			3.39	3.55	1.06		QRC-ZP-12-F-15LB-B-W66	77.38	QRC-ZP-12-FF-15LB/S-B-W66-SW	85.76
	M20x1,5	12S		90	27				ZP10-5-T1220C1	39,30
				3.55	1.06				QRC-ZP-12-FF-12SB/L-B-W66-SW	86.64
	M24x1,5	16S		92	29				ZP10-5-T1624C1	41,50
				3.63	1.14				QRC-ZP-12-FF-16SB/L-B-W66-SW	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.

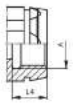
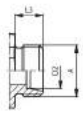


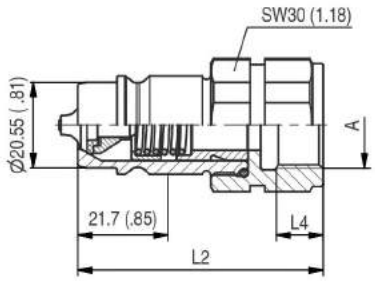


SW: Width across flats. All dimensions in mm (inch).

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

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Innengewinde entsprechend ISO 9974-1							
	M22x1,5		75			15	AP10-5-I2230A1	38,10
			2.95			.59	QRC-AP-12-FF-M22M30-B-W66-RD/BK	84
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861							
	M22x1,5	15L	72		12		AP10-5-L1522A1	39
			2.84		.47		QRC-AP-12-FF-15L-B-W66-RD/BK	85.98



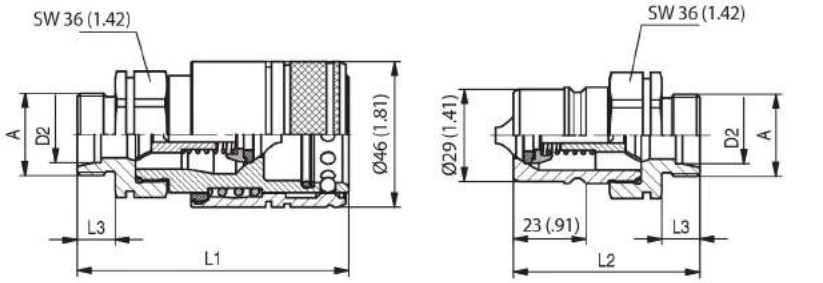
SW: Width across flats. All dimensions in mm (inch).

Male Tip Connect Under Pressure - use our HP-10 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) ØD2	L1	L2	L3	L4	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3							
	G3/8"		72	59		12	HU12-2-IGF06	16,60
			2.83	2.32		.47	QRC-HU-12-M-G06-B-W66	36.60
	NPTF 3/8" -18		74,5	61,5			HU12-2-INF06	19,20
			2.93	2.42			QRC-HU-12-M-NF06-B-W66	42,33
	G1/2"		72	59		14	HU12-2-IGF08	16,20
			2.83	2.32		.55	QRC-HU-12-M-G08-B-W66	35.71
	NPTF 1/2" -14		75	62			HU12-2-INF08	17,60
			2.95	2.44			QRC-HU-12-M-NF08-B-W66	38.80

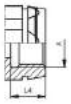
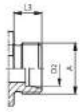
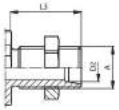
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



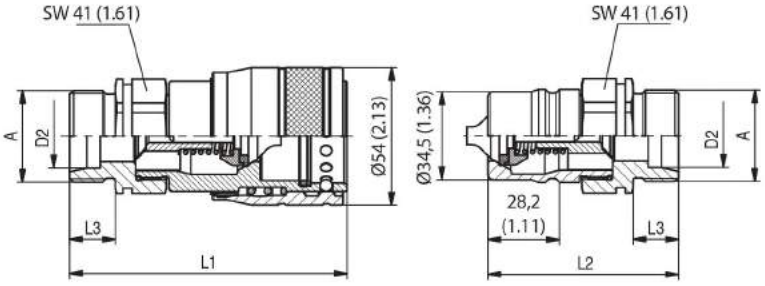
SW: Width across flats. All dimensions in mm (inch).

Series HP-19 ▪ BG 6 ▪ Nominal Size 19

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ISO 9974-1									
	G3/4"		92	65		19	HP12-1-IGF12	60,50	HP12-2-IGF12	31,50
			3.62	2.56		.75	QRC-HP-19-F-G12-BT-W66	133.38	QRC-HP-19-M-G12-B-W66	69.45
	M22x1,5		92	65		19	HP12-1-IMF22	62,80	HP12-2-IMF22	31,30
			3.62	2.56		.75	QRC-HP-19-F-M22-BT-W66	138.45	QRC-HP-19-M-M22-B-W66	69
	NPTF 3/4"-14		92	65			HP12-1-INF12	62,80	HP12-2-INF12	31,30
			3.62	2.56			QRC-HP-19-F-NF12-BT-W66	138.45	QRC-HP-19-M-NF12-B-W66	69
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	85	58	11		HP12-1-L1218	54,40	HP12-2-L1218	22,70
			3.35	2.28	.43		QRC-HP-19-F-12L-BT-W66	119.93	QRC-HP-19-M-12L-B-W66	50.04
	M22x1,5	15L	86	59	12		HP12-1-L1522	54,60	HP12-2-L1522	23,20
			3.39	2.32	.47		QRC-HP-19-F-15L-BT-W66	120.37	QRC-HP-19-M-15L-B-W66	51.15
	M26x1,5	18L	86	59	12		HP12-1-L1826	55,50	HP12-2-L1826	23,80
			3.39	2.32	.47		QRC-HP-19-F-18L-BT-W66	122.36	QRC-HP-19-M-18L-B-W66	52.47
	M30x2	22L	88	61	14		HP12-1-L2230	56,90	HP12-2-L2230	24,80
			3.46	2.40	.55		QRC-HP-19-F-22L-BT-W66	125.44	QRC-HP-19-M-22L-B-W66	54.67
	M24x1,5	16S	88	61	14		HP12-1-S1624	56	HP12-2-S1624	24,20
			3.46	2.40	.55		QRC-HP-19-F-16S-BT-W66	123.46	QRC-HP-19-M-16S-B-W66	53.35
	M30x2	20S	90	63	16		HP12-1-S2030	57,20	HP12-2-S2030	25,20
			3.54	2.48	.63		QRC-HP-19-F-20S-BT-W66	126.10	QRC-HP-19-M-20S-B-W66	55.56
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M18x1,5	12L	100	73	26		HP12-1-N1218	57,40	HP12-2-N1218	27,60
			3.94	2.87	1.02		QRC-HP-19-F-12LB-BT-W66	126.55	QRC-HP-19-M-12LB-B-W66	60.85
	M22x1,5	15L	101	74	27		HP12-1-N1522	59	HP12-2-N1522	27,40
			3.98	2.91	1.06		QRC-HP-19-F-15LB-BT-W66	130.07	QRC-HP-19-M-15LB-B-W66	60.41
	M26x1,5	18L	101	74	27		HP12-1-N1826	62,70	HP12-2-N1826	31
			3.98	2.91	1.06		QRC-HP-19-F-18LB-BT-W66	138.23	QRC-HP-19-M-18LB-B-W66	68.34
	M30x2	22L	110	83	36		HP12-1-N2230	67,50	HP12-2-N2230	35,50
			4.33	3.27	1.42		QRC-HP-19-F-22LB-BT-W66	148.81	QRC-HP-19-M-22LB-B-W66	78.26
	M24x1,5	16S	103	76	29		HP12-1-T1624	61,40	HP12-2-T1624	29,80
			4.06	2.99	1.14		QRC-HP-19-F-16SB-BT-W66	135.36	QRC-HP-19-M-16SB-B-W66	65.70
	M30x2	20S	110	83	36		HP12-1-T2030	68,50	HP12-2-T2030	36,20
			4.33	3.27	1.42		QRC-HP-19-F-20SB-BT-W66	151.02	QRC-HP-19-M-20SB-B-W66	79.81

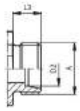
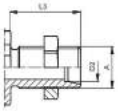
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

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

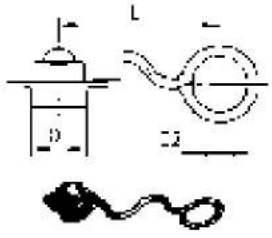
Series HP-25 ▪ BG 8 ▪ Nominal Size 25

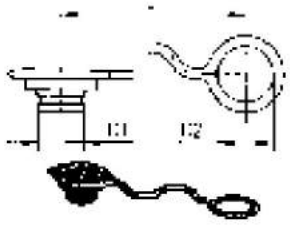
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (g/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (g/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G3/4"		104	72		19	HP20-1-IGF12	87,60	HP20-2-IGF12	40,90
			4.09	2.83		.75	QRC-HP-25-F-G12-BT-W66	193.12	QRC-HP-25-M-G12-B-W66	90.17
	G1"		104	72		19	HP20-1-IGF16	83,40	HP20-2-IGF16	36,30
			4.09	2.83		.75	QRC-HP-25-F-G16-BT-W66	183.87	QRC-HP-25-M-G16-B-W66	80.03
	NPTF 1"-11 1/2		104	72			HP20-1-INF16	83,40	HP20-2-INF16	36,30
			4.09	2.83			QRC-HP-25-F-NF16-BT-W66	183.87	QRC-HP-25-M-NF16-B-W66	80.03
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M22x1,5	15L	103	69	12		HP20-1-L1522 *	79,70	HP20-2-L1522 *	34,60
			4.06	2.72	.47		QRC-HP-25-F-15L-BT-W66	175.71	QRC-HP-25-M-15L-B-W66	76.28
	M26x1,5	18L	103	69	12		HP20-1-L1826	81,30	HP20-2-L1826	34,80
			4.06	2.72	.47		QRC-HP-25-F-18L-BT-W66	179.24	QRC-HP-25-M-18L-B-W66	76.72
	M30x2	22L	105	71	14		HP20-1-L2230	81,70	HP20-2-L2230	35,50
			4.13	2.80	.55		QRC-HP-25-F-22L-BT-W66	180.12	QRC-HP-25-M-22L-B-W66	78.26
	M36x2	28L	105	71	14		HP20-1-L2836	81,90	HP20-2-L2836	36
			4.13	2.80	.55		QRC-HP-25-F-28L-BT-W66	180.56	QRC-HP-25-M-28L-B-W66	79.37
	M45x2	35L	107	73	16		HP20-1-L3545 *	89,60	HP20-2-L3545 *	44,50
			4.21	2.87	.63		QRC-HP-25-F-35L-BT-W66	197.53	QRC-HP-25-M-35L-B-W66	98.11
	M30x2	20S	107	73	16		HP20-1-S2030	82,80	HP20-2-S2030	36,10
			4.21	2.87	.63		QRC-HP-25-F-20S-BT-W66	182.54	QRC-HP-25-M-20S-B-W66	79.59
	M36x2	25S	109	75	18		HP20-1-S2536	85	HP20-2-S2536	38
			4.29	2.95	.71		QRC-HP-25-F-25S-BT-W66	187.39	QRC-HP-25-M-25S-B-W66	83.78
	M42x2	30S	111	77	20		HP20-1-S3042	82	HP20-2-S3042	44
			4.37	3.03	.79		QRC-HP-25-F-30S-BT-W66	180.78	QRC-HP-25-M-30S-B-W66	97
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M22x1,5	15L	118	84	27		HP20-1-N1522	82,90	HP20-2-N1522 *	37,80
			4.65	3.31	1.06		QRC-HP-25-F-15LB-BT-W66	182.76	QRC-HP-25-M-15LB-B-W66	83.33
	M26x1,5	18L	123	89	32		HP20-1-N1826	85	HP20-2-N1826	42,80
			4.84	3.50	1.26		QRC-HP-25-F-18LB-BT-W66	187.39	QRC-HP-25-M-18LB-B-W66	94.36
	M30x2	22L	125	91	34		HP20-1-N2230	90,90	HP20-2-N2230	44
			4.92	3.58	1.34		QRC-HP-25-F-22LB-BT-W66	200.40	QRC-HP-25-M-22LB-B-W66	97
	M36x2	28L	125	91	34		HP20-1-N2836	85,40	HP20-2-N2836	48,10
			4.92	3.58	1.34		QRC-HP-25-F-28LB-BT-W66	188.27	QRC-HP-25-M-28LB-B-W66	106.04
	M30x2	20S	129	95	38		HP20-1-T2030	83,50	HP20-2-T2030	47,40
			5.08	3.74	1.50		QRC-HP-25-F-20SB-BT-W66	184.09	QRC-HP-25-M-20SB-B-W66	104.50
	M36x2	25S	129	35	38		HP20-1-T2536	89	HP20-2-T2536	52,40
			5.08	1.38	1.50		QRC-HP-25-F-25SB-BT-W66	196.21	QRC-HP-25-M-25SB-B-W66	115.52
	M42x2	30S	131	97	40		HP20-1-T3042	111,90	HP20-2-T3042	63,40
			5.16	3.82	1.57		QRC-HP-25-F-30SB-BT-W66	246.70	QRC-HP-25-M-30SB-B-W66	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

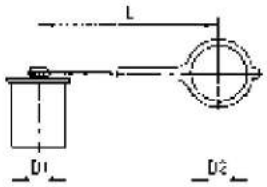


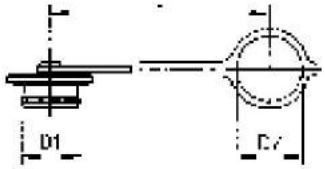


HP/HU

Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
28	27	134	Plastic (Colour: Red)	HP10-0-RT004
1.10	1.06	5.28		QRC-HP-12-DM-27-K/1-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	27	135	Plastic (Colour: Red)	HP10-9-RT004
.87	1.06	5.31		QRC-HP-12-DF-27-K/1-RD

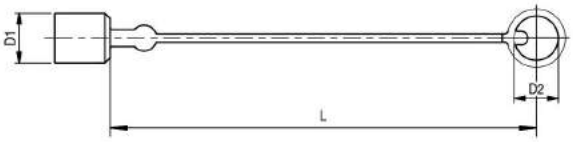


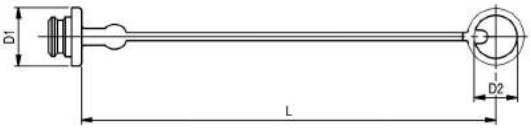


Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	22	125	Plastic (Colour: Red)	HP08-0-RT001
.87	.87	4.92		QRC-HP-10-DM-22-K-RD
33	37	190	Plastic (Colour: Red)	HP12-0-RT001
1.30	1.46	7.48		QRC-HP-19-DM-37-K-RD
36	41	190	Plastic (Colour: Red)	HP20-0-RT001
1.42	1.61	7.48		QRC-HP-25-DM-41-K-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
18	22	125	Plastic (Colour: Red)	HP08-9-RT001
.71	.87	4.92		QRC-HP-10-DF-22-K-RD
30	37	190	Plastic (Colour: Red)	HP12-9-RT001
1.18	1.46	7.48		QRC-HP-19-DF-37-K-RD
36	41	190	Plastic (Colour: Red)	HP20-9-RT001
1.42	1.61	7.48		QRC-HP-25-DF-41-K-RD

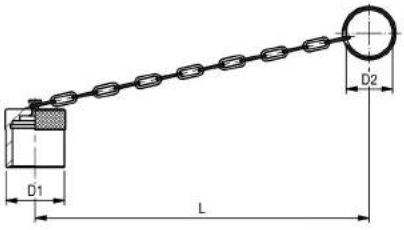
Series HU ▪ Dust Protection

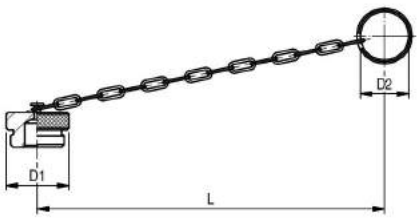




Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
29	26	250	Plastic (Colour: Red)	IA12-0-RT001
1.14	1.02	9.84		QRC-IA-12-DM-26-W66-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
35	26	250	Plastic (Colour: Red)	IA12-9-RT001
1.38	1.02	9.84		QRC-IA-12-DF-26-W66-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
38	32	205	Aluminium with chain	IA12-0-SI001
1.50	1.26	8.07		QRC-IA-12-DM-32/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
38	32	205	Aluminium with chain	IA12-9-SI001
1.50	1.26	8.07		QRC-IA-12-DF-32/CN-W89-SI

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

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 with 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.

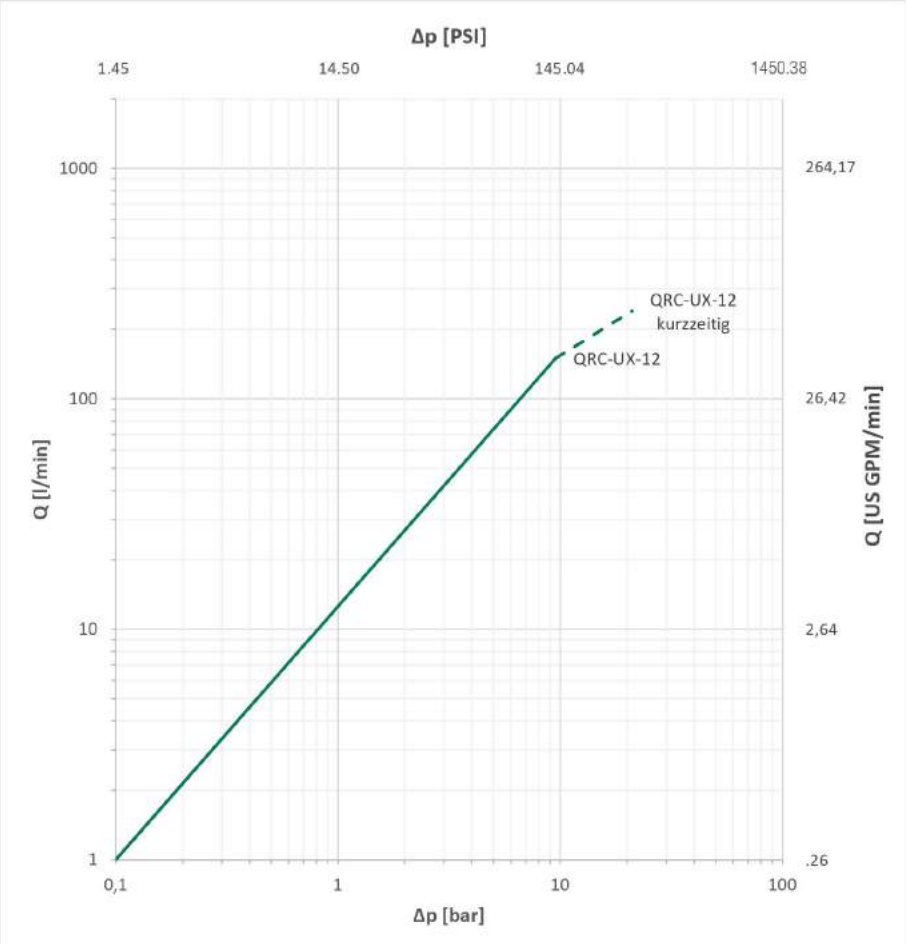
UX

Technical Data

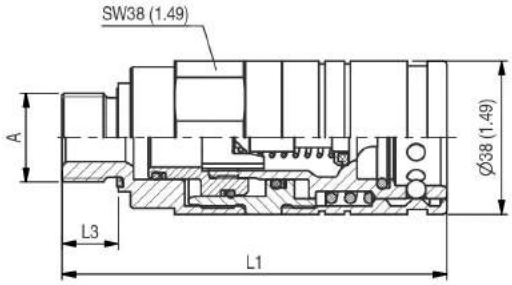
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Bursting Pressure Female Body bar	Bursting Pressure Female Body PSI	Bursting Pressure Male Tip bar	Bursting Pressure Male Tip PSI	Spillage ml	Spillage fl oz
UX-12	3	1/2"	12,5	100	21.13	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.

Flow Characteristics

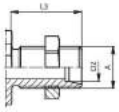


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



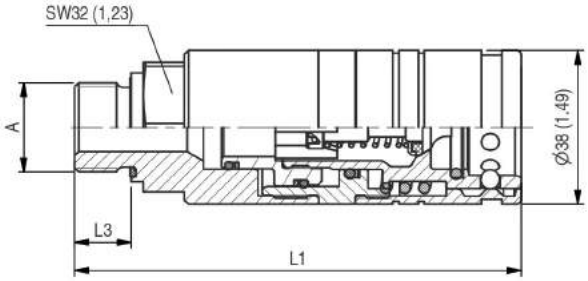
SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (g/lbs) ca. per 100
	Male Thread according to EN ISO 9974-2, DIN 3852 T11 Shape E							
	M22x1,5		95,5		14		UX10-1-AME22S	49,50
			3.76		.55		QRC-UX-S-12-F-M22MWD-S1-W66-SM	109.13
	Male Thread according to ISO 6149, DIN 3852 T3, Shape C							
	M22x1,5		94		13		UX10-1-AMF22S	49,20
			3.70		.51		QRC-UX-S-12-F-M22MOR-S1-W66-SM	108.47
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861							
	M18x1,5	12L	112,5		30		UX10-1-N1218S	50,20
			4.43		1.18		QRC-UX-S-12-F-12LB-S1-W66	110.67
	M22x1,5	15L	109,5		27		UX10-1-N1522S	51,30
			4.31		1.06		QRC-UX-S-12-F-15LB-S1-W66	113.10
	M26x1,5	18L	109,5		27		UX10-1-N1826S	52,70
			4.31		1.06		QRC-UX-S-12-F-18LB-S1-W66	116.18

Dust Cover Clips: Please see page 188.

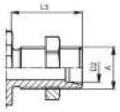
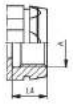
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction 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) ØD2	L1	L2	L3	L4	Female Body / Old Part Numbers / STAUFF Ordering Codes	Weight (kg/100) ca. per 100
	Male Thread according to EN ISO 9974-2, DIN 3852 T11 Shape E							
	M22x1,5		110,3		14		UX10-1-AME22L	59,60
			4.34		.55		QRC-UX-L-12-F-M22MWD-S1-W66-SM	131.40
	Male Thread according to ISO 6149, DIN 3852 T3, Shape C							
	M18x1,5		110,8		14		UX10-1-AMF18L	61,90
			4.36		.55		QRC-UX-L-12-F-M18MOR-S1-W66-SM	136.47
	M22 x 1,5		110,8		14		UX10-1-AMF22L	59,60
			4.36		.55		QRC-UX-L-12-F-M22MOR-S1-W66-SM	131.40
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861							
	M18x1,5	12L	121,5		26		UX10-1-N1218L	60,20
			4.78		1.02		QRC-UX-L-12-F-12LB-S1-W66	132.72
	M22 x 1,5	15L	123,5		26		UX10-1-N1522L	62,90
			4.86		1.02		QRC-UX-L-12-F-15LB-S1-W66	138.67
	Female Thread according to ISO 1179 - ANSI B 1.20.3 - SAE J1926-1							
	G1/2"		107,3			15	UX10-1-IGF08L	60,40
			4.22			.59	QRC-UX-L-12-F-G08-S1-W66	133.16
	NPTF 1/2"-14		107,3				UX10-1-INF08L	60,80
			4.22				QRC-UX-L-12-F-NF08-S1-W66	134.04
	UNF 3/4"-16		107,3			14	UX10-1-UNF08L	60,90
			4.22			.55	QRC-UX-L-12-F-U08-S1-W66	134.26
	Banjo screw for banjos according to DIN 7643							
	M22x1,5	18	134,8		39	14	UX10-1-X0001L	61,20
			5.31		1.54	.55	QRC-UX-L-12-F-BS22-S1-W66	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

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.

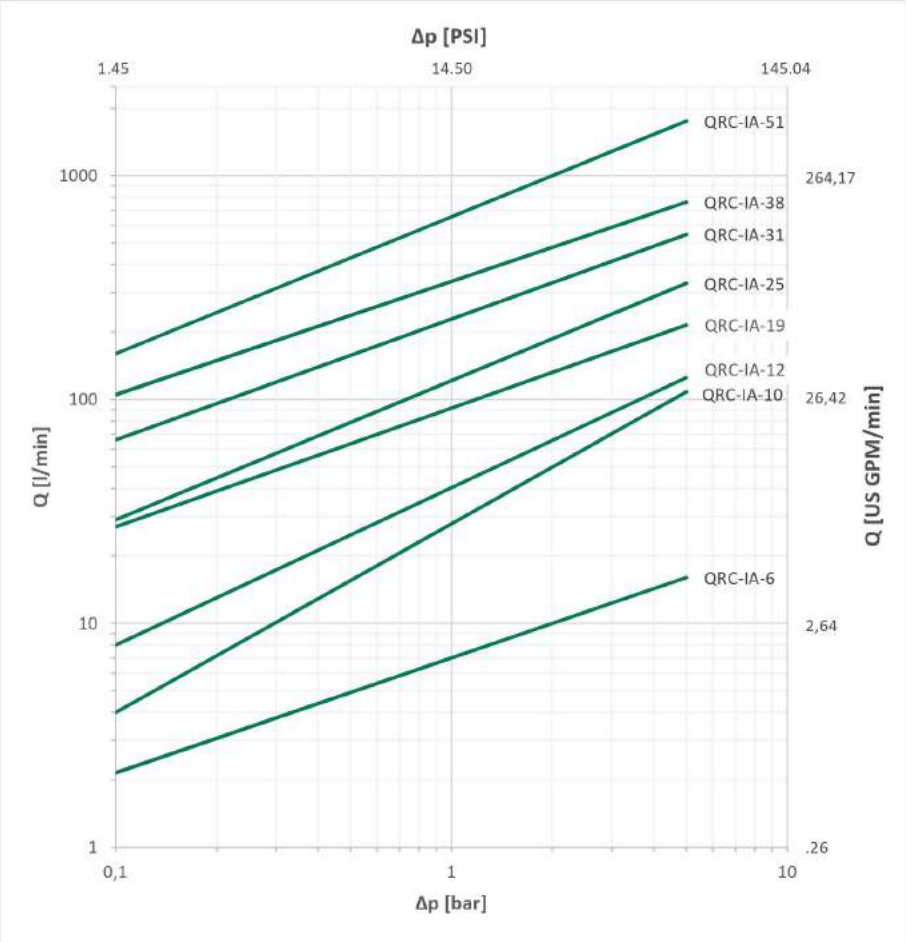
Technical Data

IA

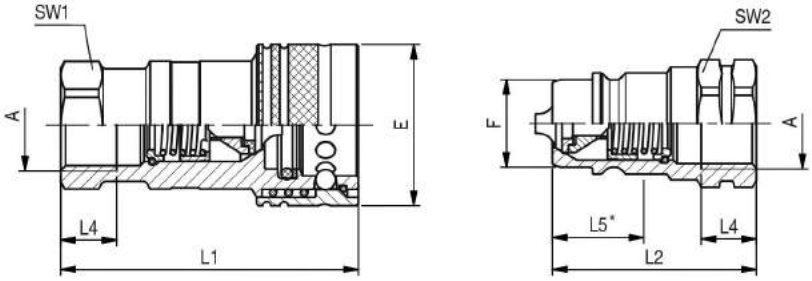
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	17	4.49	350	5076	1400	20305	1700	24656	1500	21756	0,5	.0169
IA-10	2	3/8"	10	46	12.15	275	3989	1500	21756	1500	217556	1400	20305	1,9	.0642
IA-12	3	1/2"	12,5	90	23.77	275	3989	1200	17404	1400	20305	1000	14504	2,7	.0913
IA-19	6	3/4"	19 (20)	190	50.19	200	2901	1000	14504	1500	21756	900	13053	9,3	.3145
IA-25	8	1"	25	280	73.97	200	2901	1000	14504	1000	14504	1300	18855	16,0	.5410
IA-31	10	1 1/4"	31	480	126.80	200	2901	1000	14504	850	12328	1100	15954	30,0	1.0144
IA-38	12	1 1/2"	38	757	199.98	130	1885	820	11893	800	11603	800	11603	54,0	1.8260
IA-51	14	2"	51	1000	264.17	130	1885	1000	14504	960	13924	650	9427	120,0	4.0577

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

Flow Characteristics

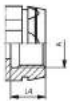


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

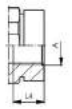


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

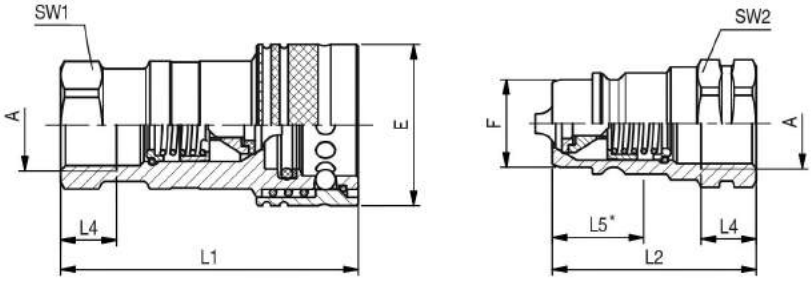
Series IA-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in)								Female Body	Weight	Male Tip	Weight
										Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G1/4"	26	11,85	49,2	35	12	13,7	19	19	IA06-1-IGF04	10,60	IA06-2-IGF04	3,70
		1.02	.47	1.94	1.38	.47	.54	.75	.75	QRC-IA-06-F-G04-BT-W3	23.37	QRC-IA-06-M-G04-B-W3	8.16
	NPTF 1/4" -18	26	11,85	49,2	35		13,7	19	19	IA06-1-INF04	10,70	IA06-2-INF04	3,80
		1.02	.47	1.94	1.38		.54	.75	.75	QRC-IA-06-F-NF04-BT-W3	23.59	QRC-IA-06-M-NF04-B-W3	8.38
	Female Thread according to SAE J 1926-1												
	UNF 9/16" -18	26	11,85	49,2	35	12,7	13,7	19	19	IA06-1-IUF06	10,20	IA06-2-IUF06	3,40
		1.02	.47	1.94	1.38	.50	.54	.75	.75	QRC-IA-06-F-U06-BT-W3	22.49	QRC-IA-06-M-U06-B-W3	7.50

Series IA-10 ▪ BG 2 ▪ Nominal Size 10

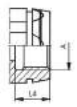
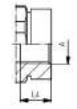
	Port A	Dimensions (mm/in)								Female Body	Weight	Male Tip	Weight
										Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	30	17,3	60,5	42,5	12	18	22	22	IA10-1-IGF06	15,50	IA10-2-IGF06	5,90
		1.18	.68	2.38	1.67	.47	.71	.87	.87	QRC-IA-10-F-G06-BT-W3	34.17	QRC-IA-10-M-G06-B-W3	13.01
	NPTF 3/8" -18	30	17,3	60,5	42,5		18	22	22	IA10-1-INF06	15,60	IA10-2-INF06	6
		1.18	.68	2.38	1.67		.71	.87	.87	QRC-IA-10-F-NF06-BT-W3	34.39	QRC-IA-10-M-NF06-B-W3	13.23
	Female Thread according to SAE J 1926-1												
	UNF 9/16" -18	30	17,3	60,5	42,5	12,7	18	22	22	IA10-1-IUF06	17,50	IA10-2-IUF06	7,90
		1.18	.68	2.38	1.67	.50	.71	.87	.87	QRC-IA-10-F-U06-BT-W3	38.58	QRC-IA-10-M-U06-B-W3	17.42
	UNF 3/4" -16	30	17,3	60,5	42,5	14,3	18	22	22	IA10-1-IUF08	18,40	IA10-2-IUF08	6,30
		1.18	.68	2.38	1.67	.56	.71	.87	.87	QRC-IA-10-F-U08-BT-W3	40.57	QRC-IA-10-M-U08-B-W3	13.89

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.

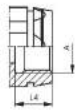


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

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

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3 - ISO 9974-1												
	G 1/2"	38	20,55	70	48	14	21,5	27	27	IA12-1-IGF08	26,80	IA12-2-IGF08	9,70
		1.5	.81	2.76	1.89	.55	.85	1.06	1.06	QRC-IA-12-F-G08-BT-W3	59.08	QRC-IA-12-M-G08-B-W3	21.38
	NPTF 1/2" -14	38	20,55	70	48		21,5	27	27	IA12-1-INF08	26,90	IA12-2-INF08	9,80
		1.5	.81	2.76	1.89		.85	1.06	1.06	QRC-IA-12-F-NF08-BT-W3	59.30	QRC-IA-12-M-NF08-B-W3	21.61
	NPTF 3/4" -14	38	20,55	70	48		21,5	27	27	IA12-1-INF12	35,30	IA12-2-INF12	9,80
		1.5	.81	2.76	1.89		.85	1.06	1.06	QRC-IA-12-F-NF12-BT-W3	77.82	QRC-IA-12-M-NF12-B-W3	21.61
	Female Thread according to SAE J 1926-1												
	M22x1,5	38	20,55	70	48	15,5	21,5	27	27	IA12-1-IMF22	26	IA12-2-IMF22	9
		1.5	.81	2.76	1.89	.61	.85	1.06	1.06	QRC-IA-12-F-M22-BT-W3	57.32	QRC-IA-12-M-M22-B-W3	19.84
	UNF 3/4" -16	38	20,55	70	48	14,3	21,5	27	27	IA12-1-IUF08	27,40	IA12-2-IUF08	10,10
		1.5	.81	2.76	1.89	.56	.85	1.06	1.06	QRC-IA-12-F-U08-BT-W3	60.41	QRC-IA-12-M-U08-B-W3	22.27
	UNF 7/8" -14	38	20,55	70	48	16,7	21,5	27	27	IA12-1-IUF10	26	IA12-2-IUF10	10,10
		1.5	.81	2.76	1.89	.66	.85	1.06	1.06	QRC-IA-12-F-U10-BT-W3	57.32	QRC-IA-12-M-U10-B-W3	22.27

Series IA-19 ▪ BG 6 ▪ Nominal Size 19

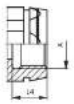
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	45	29,1	84,3	57	16	26,8	34	34	IA19-1-IGF12	42,80	IA19-2-IGF12	18
		1.77	1.14	3.32	2.24	.63	1.05	1.34	1.34	QRC-IA-19-F-G12-BT-W3	94.36	QRC-IA-19-M-G12-B-W3	39.68
	NPTF 3/4" -14	45	29,1	84,3	57		26,8	34	34	IA19-1-INF12	43,40	IA19-2-INF12	18,60
		1.77	1.14	3.32	2.24		1.05	1.34	1.34	QRC-IA-19-F-NF12-BT-W3	95.68	QRC-IA-19-M-NF12-B-W3	41.01

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.

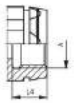
Series IA-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	52	34,35	101	67,5	18	33	41	41	IA25-1-IGF16	70	IA25-2-IGF16	30.40
		2.05	1.35	3.98	2.66	.71	1.3	1.61	1.61	QRC-IA-25-F-G16-BT-W3	154.32	QRC-IA-25-M-G16-B-W3	67.02
	NPTF 1" -11 1/2	52	34,35	101	67,5		33	41	41	IA25-1-INF16	70,80	IA25-2-INF16	31,30
		2.05	1.35	3.98	2.66		1.3	1.61	1.61	QRC-IA-25-F-NF16-BT-W3	156.09	QRC-IA-25-M-NF16-B-W3	69.00

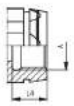
Series IA-31 ▪ BG 10 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Female Body with Dust Plug Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1 1/4"	70	45	116,9	75	20	41,3	50	50	IA31-1-IGF20	151,50	IA31-2-IGF20	55,90
		2.75	1.77	4.60	2.95	.79	1.62	1.97	1.97	QRC-IA-31-F-G20-BT-W3	334	QRC-IA-31-M-G20-B-W3	123.24
	NPTF 1 1/4" -11 1/2	70	45	116,9	75		41,3	50	50	IA31-1-INF20	153,20	IA31-2-INF20	57,20
		2.75	1.77	4.60	2.95		1.62	1.97	1.97	QRC-IA-31-F-NF20-BT-W3	337.75	QRC-IA-31-M-NF20-B-W3	126.10

Series IA-38 ▪ BG 12 ▪ Nominal Size 38

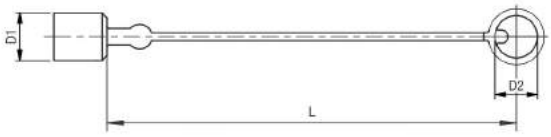
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1 1/2"	82	55	133	83,5	22	48,8	60	60	IA38-1-IGF24	244,50	IA38-2-IGF24	91,80
		3.23	2.16	5.24	3.29	.87	1.92	2.36	2.36	QRC-IA-38-F-G24-BT-W3	539.03	QRC-IA-38-M-G24-B-W3	202.38
	NPTF 1 1/2" -11 1/2	82	55	133	83,5		48,8	60	60	IA38-1-INF24	246,40	IA38-2-INF24	93,80
		3.23	2.16	5.24	3.29		1.92	2.36	2.36	QRC-IA-38-F-NF24-BT-W3	543.22	QRC-IA-38-M-NF24-B-W3	206.79

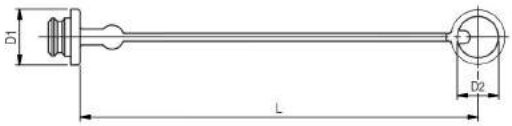
Series IA-51 ▪ BG 14 ▪ Nominal Size 51

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Female Body mit Dust Plug Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 2"	99	65,1	169	108	24	60	75	75	IA51-1-IGF32	500	IA51-2-IGF32	180,40
		3.89	2.56	6.65	4.25	.94	2.36	2.95	2.95	QRC-IA-51-F-G32-BT-W3	1102.31	QRC-IA-51-M-G32-B-W3	397.71
	NPTF 2" -11 1/2	99	65,1	169	108		60	75	75	IA51-1-INF32	501	IA51-2-INF32	182
		3.89	2.56	6.65	4.25		2.36	2.95	2.95	QRC-IA-51-F-NF32-BT-W3	1104.52	QRC-IA-51-M-NF32-B-W3	401.24

IA

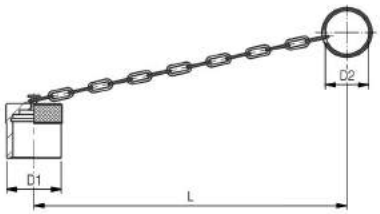
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

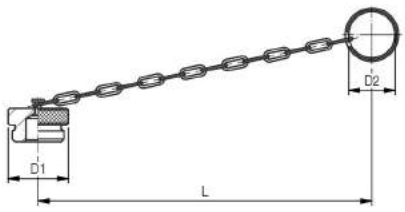




Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
11	6	110	Plastic (Colour: Red)	IA06-0-RT001
.43	.24	4.33		QRC-IA-06-DM-6-KI-RD
24	22	220	Plastic (Colour: Red)	IA10-0-RT001
.93	.87	8.66		QRC-IA-10-DM-22-KI-RD
29	26	250	Plastic (Colour: Red)	IA12-0-RT001
1.14	1.02	9.84		QRC-IA-12-DM-26-KI-RD
36,5	36	270	Plastic (Colour: Red)	IA19-0-RT001
1.44	1.42	10.63		QRC-IA-19-DM-36-KI-RD
36	28	235	Plastic (Colour: Red)	IA25-0-RT001
1.42	1.10	9.25		QRC-IA-25-DM-28-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
10	6	110	Plastic (Colour: Red)	IA06-9-RT001
.39	.24	4.33		QRC-IA-06-DF-6-KI-RD
28	22	220	Plastic (Colour: Red)	IA10-9-RT001
1.10	.87	8.66		QRC-IA-10-DF-22-KI-RD
35	26	250	Plastic (Colour: Red)	IA12-9-RT001
1.38	1.02	9.84		QRC-IA-12-DF-26-KI-RD
42	36	270	Plastic (Colour: Red)	IA19-9-RT001
1.65	1.42	10.63		QRC-IA-19-DF-36-KI-RD
41	28	235	Plastic (Colour: Red)	IA25-9-RT001
1.61	1.10	9.25		QRC-IA-25-DF-28-KI-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
19	30	180	Aluminium with chain	IA06-0-SI001
.75	1.18	7.09		QRC-IA-06-DM-30/CN-W89-SI
30	33	200	Aluminium with chain	IA10-0-SI001
1.18	1.30	7.87		QRC-IA-10-DM-33/CN-W89-SI
38	32	205	Aluminium with chain	IA12-0-SI001
1.50	1.26	8.07		QRC-IA-12-DM-32/CN-W89-SI
45	47	275	Aluminium with chain	IA19-0-SI001
1.77	1.85	10.83		QRC-IA-19-DM-47/CN-W89-SI
45	41	290	Aluminium with chain	IA25-0-SI001
1.77	1.61	11.42		QRC-IA-25-DM-41/CN-W89-SI
70	47	275	Aluminium with chain	IA31-0-SI001
2.76	1.85	10.83		QRC-IA-31-DM-47/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
19	30	160	Aluminium with chain	IA06-9-SI001
.75	1.18	6.30		QRC-IA-06-DF-30/CN-W89-SI
30	33	200	Aluminium with chain	IA10-9-SI001
1.18	1.30	7.87		QRC-IA-10-DF-33/CN-W89-SI
38	32	205	Aluminium with chain	IA12-9-SI001
1.50	1.26	8.07		QRC-IA-12-DF-32/CN-W89-SI
45	47	275	Aluminium with chain	IA19-9-SI001
1.77	1.85	10.83		QRC-IA-19-DF-47/CN-W89-SI
43	41	240	Aluminium with chain	IA25-9-SI001
1.69	1.61	9.45		QRC-IA-25-DF-41/CN-W89-SI
70	47	275	Aluminium with chain	IA31-9-SI001
2.76	1.85	10.83		QRC-IA-31-DF-47/CN-W89-SI

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

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.

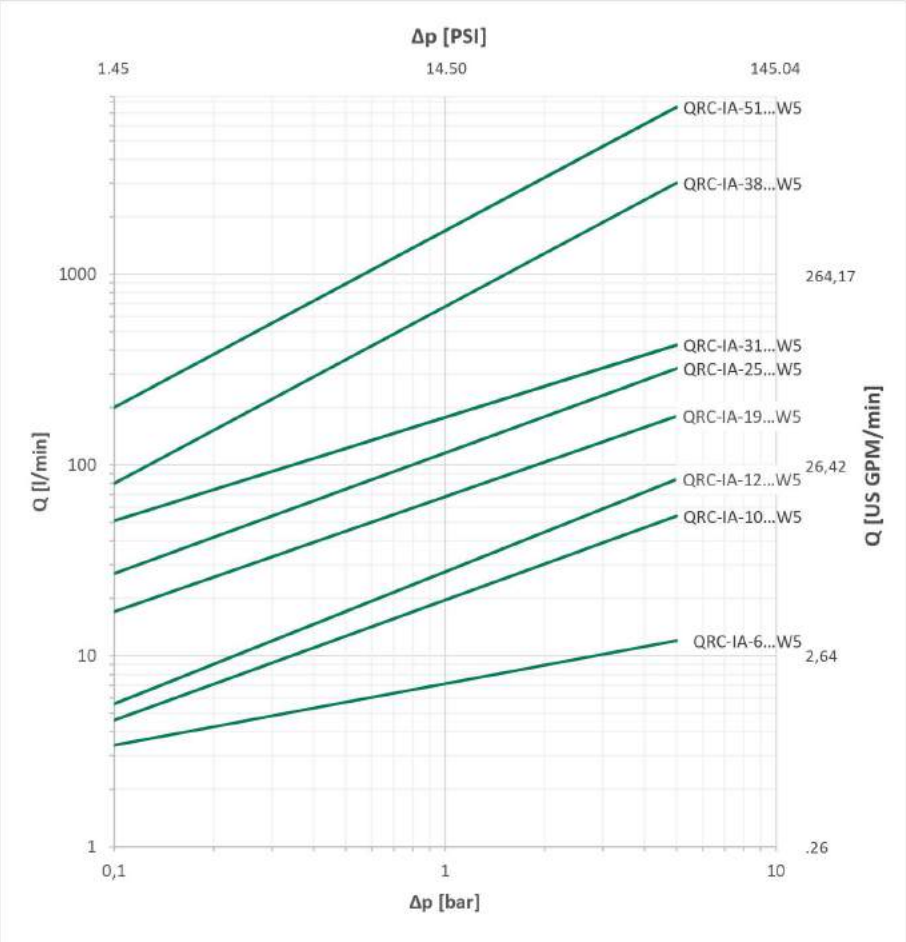
Technical Data

IA

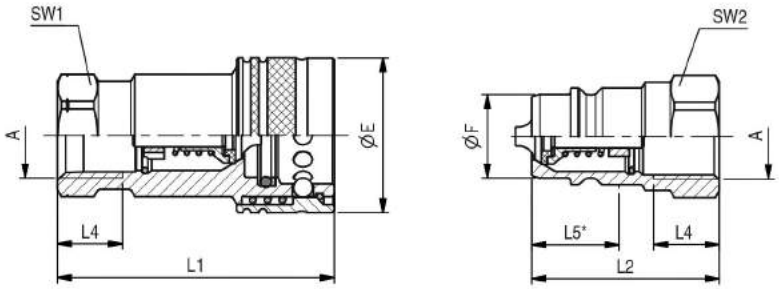
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IA-06	1	1/4"	6,3	17	4.49	450	6527	2900	42061	2900	42061	3200	46412	0,5	.0169
IA-10	2	3/8"	10	46	12.15	300	4351	1300	18855	1250	18130	1250	18130	1,9	.0642
IA-12	3	1/2"	12,5	90	23.77	300	4351	1350	19580	1200	17404	1200	17404	2,7	.0913
IA-19	6	3/4"	19 (20)	190	50.19	250	3626	1100	15954	1000	14504	800	11603	9,3	.3145
IA-25	8	1"	25	280	73.97	200	2901	850	12328	650	9427	600	8702	19,0	.6425
IA-31	10	1 1/4"	31	480	126.80	100	1450	400	5801	400	5801	400	5801	30,0	1.0144
IA-38	12	1 1/2"	38	700	184.92	80	1160	320	4641	320	4641	320	4641	54,0	1.8260
IA-51	14	2"	51	1000	264.17	60	870	250	3626	250	3626	250	3626	120,0	4.0577

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

Flow Characteristics

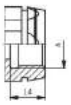


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

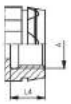


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

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

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 1/4"	26	11,85	50,5	35,5	12	14,5	19	19	IA06-1-IGF04-VA	11,90	IA06-2-IGF04-VA	3,80
		1.02	.47	1.99	1.40	.47	.57	.75	.75	QRC-IA-06-F-G04-VT-W5	26.24	QRC-IA-06-M-G04-V-W5	8.38
	NPTF 1/4" -18	26	11,85	50,5	35,5		14,5	19	19	IA06-1-INF04-VA	12	IA06-2-INF04-VA	3,90
		1.02	.47	1.99	1.40		.57	.75	.75	QRC-IA-06-F-NF04-VT-W5	26.46	QRC-IA-06-M-NF04-V-W5	8.60

Series IA-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 3/8"	30	17,3	58,5	40,5	12	17	22	22	IA10-1-IGF06-VA	15,70	IA10-2-IGF06-VA	5,90
		1.18	.68	2.30	1.59	.47	.62	.87	.87	QRC-IA-10-F-G06-VT-W5	34.61	QRC-IA-10-M-G06-V-W5	13.01
	NPTF 3/8" -18	30	17,3	58,5	40,5		17	22	22	IA10-1-INF06-VA	15,80	IA10-2-INF06-VA	6
		1.18	.68	2.30	1.59		.62	.87	.87	QRC-IA-10-F-NF06-VT-W5	34.83	QRC-IA-10-M-NF06-V-W5	13.23

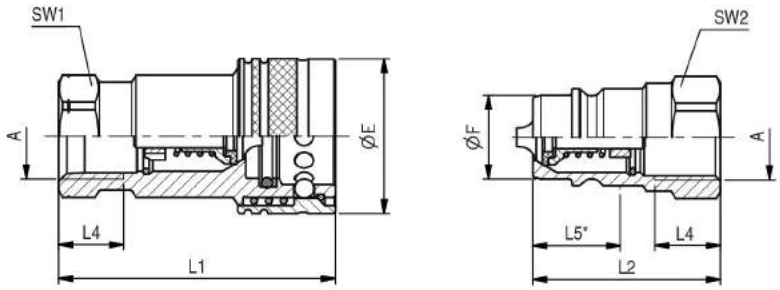
Series IA-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 1/2"	37,9	20,55	68	46	14	21,5	27	27	IA12-1-IGF08-VA	29,50	IA12-2-IGF08-VA	9,70
		1.49	.81	2.68	1.81	.55	.85	1.06	1.06	QRC-IA-12-F-G08-VT-W5	65.04	QRC-IA-12-M-G08-V-W5	21.38
	NPTF 1/2" -14	37,9	20,55	68	46		21,5	27	27	IA12-1-INF08-VA	29,70	IA12-2-INF08-VA	9,90
		1.49	.81	2.68	1.81		.85	1.06	1.06	QRC-IA-12-F-NF08-VT-W5	65.48	QRC-IA-12-M-NF08-V-W5	21.83

Series IA-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 3/4"	45	29,1	84,3	57	16	20,8	34	34	IA19-1-IGF12-VA	51	IA19-2-IGF12-VA	16,50
		1.77	1.14	84	2.24	.63	.82	1.34	1.34	QRC-IA-19-F-G12-VT-W5	112.44	QRC-IA-19-M-G12-V-W5	36.38
	NPTF 3/4" -14	45	29,1	84,3	57		20,8	34	34	IA19-1-INF12-VA	51,30	IA19-2-INF12-VA	16,80
		1.77	1.14	3.32	2.24		.82	1.34	1.34	QRC-IA-19-F-NF12-VT-W5	113.10	QRC-IA-19-M-NF12-V-W5	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.

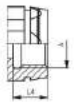


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.
* Insertion Male Tip.

Series IA-25 • BG 8 • Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 1"	52	34,35	97	63,5	18	33,5	41	41	IA25-1-IGF16-VA	63,60	IA25-2-IGF16-VA	28,50
		2.06	1.35	3.82	2.50	.71	1.32	1.61	1.61	QRC-IA-25-F-G16-VT-W5	140.21	QRC-IA-25-M-G16-V-W5	62.83
	NPTF 1" -11 1/2	52	34,35	97	63,5		33,5	41	41	IA25-1-INF16-VA	64,30	IA25-2-INF16-VA	29,20
		2.06	1.35	3.82	2.50		1.32	1.61	1.61	QRC-IA-25-F-NF16-VT-W5	141.76	QRC-IA-25-M-NF16-V-W5	64.37

Series IA-31 • BG 10 • Nominal Size 31,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 1 1/4"	70	45	115	69	20	34	50	50	IA31-1-IGF20-VA	147	IA31-2-IGF20-VA	48
		2.75	1.77	4.53	2.72	.79	1.34	1.97	1.97	QRC-IA-31-F-G20-VT-W5	324.08	QRC-IA-31-M-G20-V-W5	105.82
	NPTF 1 1/4" -11 1/2	70	45	115	69		34	50	50	IA31-1-INF20-VA	148,50	IA31-2-INF20-VA	49,50
		2.75	1.77	4.53	2.72		1.34	1.97	1.97	QRC-IA-31-F-NF20-VT-W5	327.39	QRC-IA-31-M-NF20-V-W5	109.13

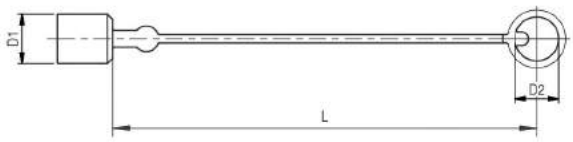
Series IA-38 • BG 12 • Nominal Size 38

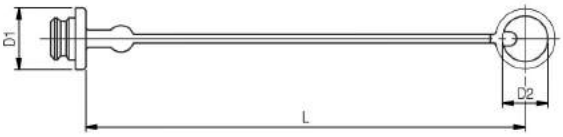
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 1 1/2"	80	55	123	73	22	50	60	60	IA38-1-IGF24-VA	198	IA38-2-IGF24-VA	73,80
		3.17	2.16	4.84	2.87	.87	1.97	2.36	2.36	QRC-IA-38-F-G24-VT-W5	436.52	QRC-IA-38-M-G24-V-W5	162.70
	NPTF 1 1/2" -11 1/2	80	55	123	73		50	60	60	IA38-1-INF24-VA	202	IA38-2-INF24-VA	87
		3.17	2.16	4.84	2.87		1.97	2.36	2.36	QRC-IA-38-F-NF24-VT-W5	445.33	QRC-IA-38-M-NF24-V-W5	191.80

Series IA-51 • BG 14 • Nominal Size 51

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B. 1.20.3												
	G 2"	102	65,1	147	90	24	57	70	70	IA51-1-IGF32-VA	349	IA51-2-IGF32-VA	116,80
		4.01	2.56	5.79	3.54	.94	2.24	2.75	2.75	QRC-IA-51-F-G32-VT-W5	769.41	QRC-IA-51-M-G32-V-W5	257.50
	NPTF 2" -11 1/2	102	65,1	147	90		57	70	70	IA51-1-INF32-VA	350	IA51-2-INF32-VA	117,80
		4.01	2.56	5.79	3.54		2.24	2.75	2.75	QRC-IA-51-F-NF32-VT-W5	771.62	QRC-IA-51-M-NF32-V-W5	259.70

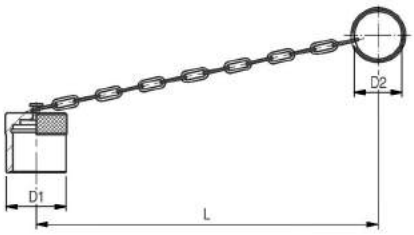
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

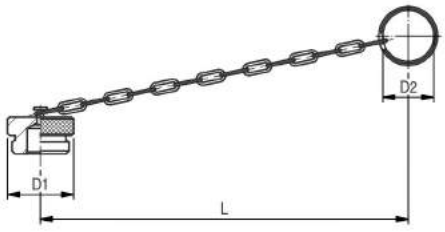




Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
11	6	110	Plastic (Colour: Red)	IA06-0-RT001
.43	.24	4.33		QRC-IA-06-DM-6-KI-RD
24	22	220	Plastic (Colour: Red)	IA10-0-RT001
.93	.87	8.66		QRC-IA-10-DM-22-KI-RD
29	26	250	Plastic (Colour: Red)	IA12-0-RT001
1.14	1.02	9.84		QRC-IA-12-DM-26-KI-RD
36,5	36	270	Plastic (Colour: Red)	IA19-0-RT001
1.44	1.42	10.63		QRC-IA-19-DM-36-KI-RD
36	28	235	Plastic (Colour: Red)	IA25-0-RT001
1.42	1.10	9.25		QRC-IA-25-DM-28-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
10	6	110	Plastic (Colour: Red)	IA06-9-RT001
.39	.24	4.33		QRC-IA-06-DF-6-KI-RD
28	22	220	Plastic (Colour: Red)	IA10-9-RT001
1.10	.87	8.66		QRC-IA-10-DF-22-KI-RD
35	26	250	Plastic (Colour: Red)	IA12-9-RT001
1.38	1.02	9.84		QRC-IA-12-DF-26-KI-RD
42	36	270	Plastic (Colour: Red)	IA19-9-RT001
1.65	1.42	10.63		QRC-IA-19-DF-36-KI-RD
41	28	235	Plastic (Colour: Red)	IA25-9-RT001
1.61	1.10	9.25		QRC-IA-25-DF-28-KI-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
19	30	180	Aluminium with chain	IA06-0-SI001
.75	1.18	7.09		QRC-IA-06-DM-30/CN-W89-SI
30	33	200	Aluminium with chain	IA10-0-SI001
1.18	1.30	7.87		QRC-IA-10-DM-33/CN-W89-SI
38	32	205	Aluminium with chain	IA12-0-SI001
1.50	1.26	8.07		QRC-IA-12-DM-32/CN-W89-SI
45	47	275	Aluminium with chain	IA19-0-SI001
1.77	1.85	10.83		QRC-IA-19-DM-47/CN-W89-SI
45	41	290	Aluminium with chain	IA25-0-SI001
1.77	1.61	11.42		QRC-IA-25-DM-41/CN-W89-SI
70	47	275	Aluminium with chain	IA31-0-SI001
2.76	1.85	10.83		QRC-IA-31-DM-47/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
19	30	160	Aluminium with chain	IA06-9-SI001
.75	1.18	6.30		QRC-IA-06-DF-30/CN-W89-SI
30	33	200	Aluminium with chain	IA10-9-SI001
1.18	1.30	7.87		QRC-IA-10-DF-33/CN-W89-SI
38	32	205	Aluminium with chain	IA12-9-SI001
1.50	1.26	8.07		QRC-IA-12-DF-32/CN-W89-SI
45	47	275	Aluminium with chain	IA19-9-SI001
1.77	1.85	10.83		QRC-IA-19-DF-47/CN-W89-SI
43	41	240	Aluminium with chain	IA25-9-SI001
1.69	1.61	9.45		QRC-IA-25-DF-41/CN-W89-SI
70	47	275	Aluminium with chain	IA31-9-SI001
2.76	1.85	10.83		QRC-IA-31-DF-47/CN-W89-SI

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

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

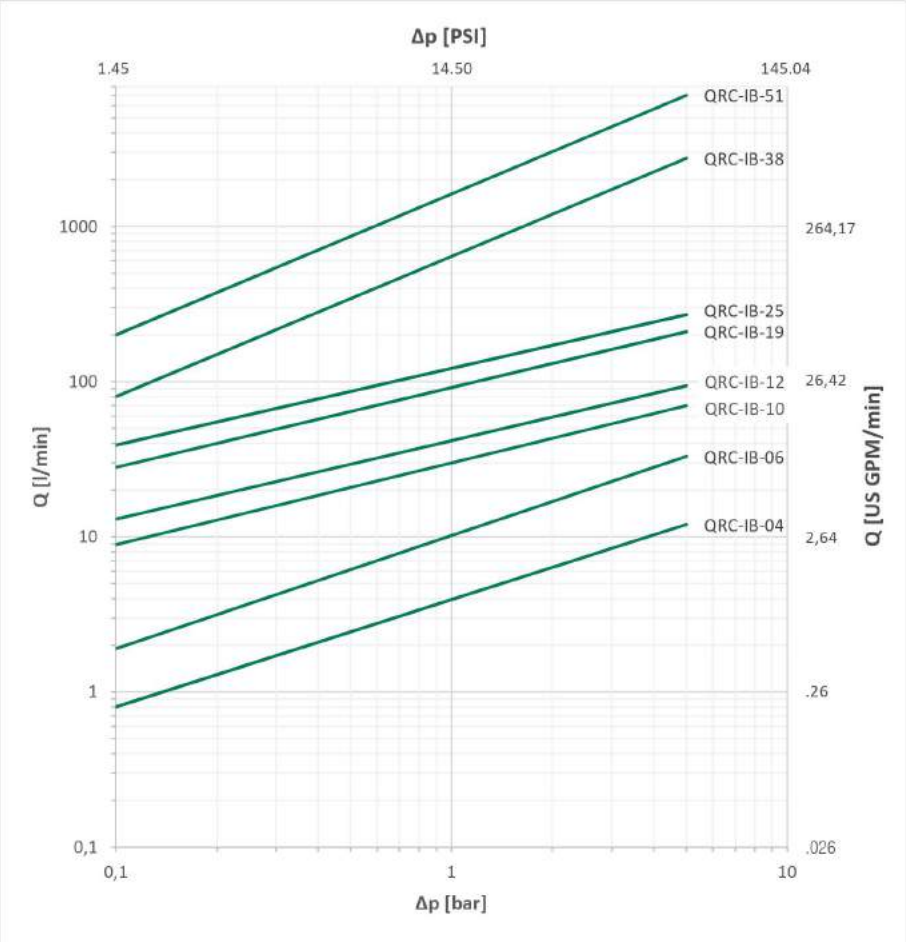
[2] Alternative seal materials are available on request.

Technical Data

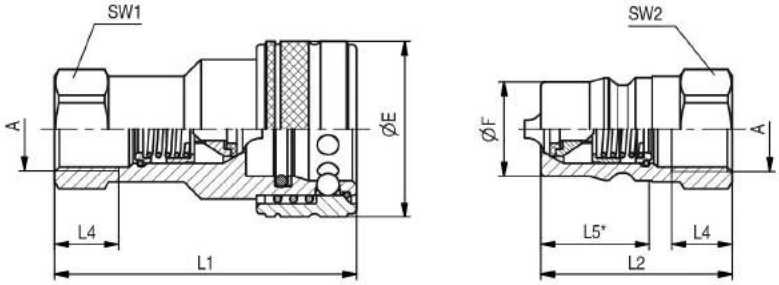
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
IB-03	0	1/8"	3	9	2.38	500	7252	2700	39160	2300	29443	2400	34809	0,5	.0169
IB-06	1	1/4"	6,3	24	6.34	250	3626	1000	14504	1800	261067	1100	15954	1	.0338
IB-10	2	3/8"	10	46	12.15	250	3626	1300	18855	1400	20305	1400	20305	2,4	.0812
IB-12	3	1/2"	12,5	90	23.77	250	3626	1100	15954	1400	20305	1100	15954	3,9	.1319
IB-19	6	3/4"	19 (20)	220	58.12	250	3626	1200	17404	1300	18855	1000	14504	11,0	.3720
IB-25	8	1"	25	260	68.68	250	3626	1000	14504	1100	15954	1000	14504	19,0	.6425
IB-38	12	1 1/2"	38	757	199.98	200	2901	800	11603	800	11603	800	11603	95,0	3.2123
IB-51	14	2"	51	1000	264.17	100	1450	400	5801	400	5801	400	5801	170,0	5.7484

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

Flow Characteristics

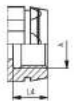


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



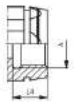
SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-03 ▪ BG 0 ▪ Nominal Size 3,2

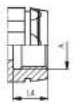
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1/8" -27	23	10,9	50,6	32		18,5	17	14	IB04-1-INF02	8,90	IB04-2-INF02	2
		.90	.43	1.99	1.26		.73	.67	.55	QRC-IB-03-F-NF02-BT-W3	19.62	QRC-IB-03-M-NF02-B-W3	4.41

IB

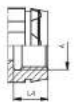
Series IB-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 1/4"	28	14,2	60	38	12	21,5	19	19	IB06-1-IGF04	12,30	IB06-2-IGF04	3,90
		1.1	.56	2.36	1.50	.47	.85	.75	.75	QRC-IB-06-F-G04-BT-W3	27.12	QRC-IB-06-M-G04-B-W3	8.60
	NPTF 1/4" -18	28	14,2	60	38		21,5	19	19	IB06-1-INF04	12,40	IB06-2-INF04	4
		1.1	.56	2.36	1.50		.85	.75	.75	QRC-IB-06-F-NF04-BT-W3	27.34	QRC-IB-06-M-NF04-B-W3	8.82

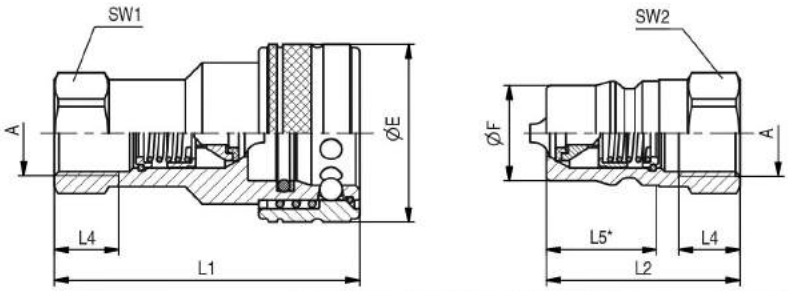
Series IB-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 3/8"	35	19	60,5	42,5	12	24,2	22	22	IB10-1-IGF06	19,40	IB10-2-IGF06	6,10
		1.38	.75	2.38	1.67	.47	.95	.87	.87	QRC-IB-10-F-G06-BT-W3	42.77	QRC-IB-10-M-G06-B-W3	13.45
	NPTF 3/8" -18	35	19	60,5	42,5		24,2	22	22	IB10-1-INF06	19,60	IB10-2-INF06	6,20
		1.38	.75	2.38	1.67		.95	.87	.87	QRC-IB-10-F-NF06-BT-W3	43.21	QRC-IB-10-M-NF06-B-W3	13.67

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

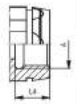
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 1/2"	44	23,55	75,7	48	14	27,2	27	27	IB12-1-IGF08	34,60	IB12-2-IGF08	11,20
		1.73	.93	2.98	1.89	.55	.93	1.06	1.06	QRC-IB-12-F-G08-BT-W3	76.28	QRC-IB-12-M-G08-B-W3	24.69
	NPTF 1/2" -14	44	23,55	75,7	48		27,2	27	27	IB12-1-INF08	34,90	IB12-2-INF08	11,50
		1.73	.93	2.98	1.89		.93	1.06	1.06	QRC-IB-12-F-NF08-BT-W3	76.94	QRC-IB-12-M-NF08-B-W3	25.35

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.

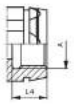


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

Series IB-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 3/4"	52	31,45	91,5	57	16	34	34	34	IB19-1-IGF12	54,80	IB19-2-IGF12	20.20
		2.05	1.24	3.60	2.24	.63	1.34	1.34	1.34	QRC-IB-19-F-G12-BT-W3	120.81	QRC-IB-19-M-G12-B-W3	44.53
	NPTF 3/4" -14	52	31,45	91,5	57		34	34	34	IB19-1-INF12	55,10	IB19-2-INF12	20,70
		2.05	1.24	3.60	2.24		1.34	1.34	1.34	QRC-IB-19-F-NF12-BT-W3	121.47	QRC-IB-19-M-NF12-B-W3	45.64

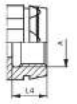
Series IB-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 1"	60	37,77	105,8	65,5	18	39,3	41	41	IB25-1-IGF16	86	IB25-2-IGF16	35,50
		2.36	1.49	4.17	2.58	.71	1.55	1.61	1.61	QRC-IB-25-F-G16-BT-W3	189.60	QRC-IB-25-M-G16-B-W3	78.26
	NPTF 1" -11 1/2	60	37,77	105,8	65,5		39,3	41	41	IB25-1-INF16	87	IB25-2-INF16	36,40
		2.36	1.49	4.17	2.58		1.55	1.61	1.61	QRC-IB-25-F-NF16-BT-W3	191.80	QRC-IB-25-M-NF16-B-W3	80.25

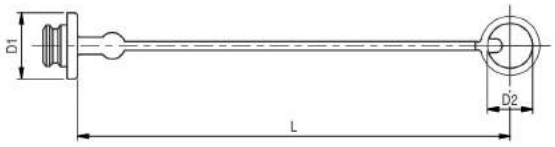
Series IB-38 ▪ BG 12 ▪ Nominal Size 38

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 1 1/4"	79	44,49	126,5	127	20	52	65	65	IB38-1-IGF20	200,80	IB38-2-IGF20	135,50
		3.12	1.75	4.98	5.00	.79	2.05	2.56	2.56	QRC-IB-38-F-G20-BT-W3	442.69	QRC-IB-38-M-G20-B-W3	298.73
	NPTF 1 1/4" -11 1/2	79	44,49	126,5	127		52	65	65	IB38-1-INF20	202	IB38-2-INF20	136,80
		3.12	1.75	4.98	5.00		2.05	2.56	2.56	QRC-IB-38-F-NF20-BT-W3	445.33	QRC-IB-38-M-NF20-B-W3	301.59

Series IB-51 ▪ BG 14 ▪ Nominal Size 51

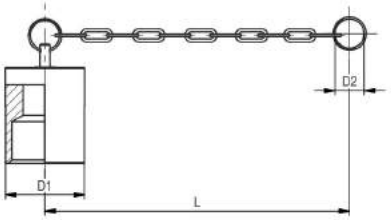
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B.1.20.3												
	G 2"	105	63,2	142	142	24	63	90	90	IB51-1-IGF32	490	IB51-2-IGF32	310
		4.13	2.49	5.59	5.59	.94	2.48	3.54	3.54	QRC-IB-51-F-G32-BT-W3	1080.27	QRC-IB-51-M-G32-B-W3	683.43
	NPTF 2" -11 1/2	105	63,2	142	142		63	90	90	IB51-1-INF32	500	IB51-2-INF32	320
		4.13	2.49	5.59	5.59		2.48	3.54	3.54	QRC-IB-51-F-NF32-BT-W3	1102.31	QRC-IB-51-M-NF32-B-W3	705.48

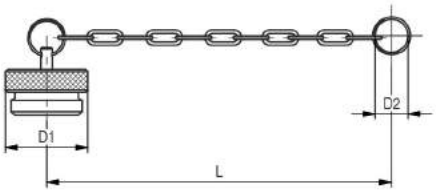
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
18	23	240	Plastic (Colour: Red)	IB06-0-RT001
.71	.91	9.45		QRC-IB-06-DM-23-KI-RD
23	24	240	Plastic (Colour: Red)	IB10-0-RT001
.91	.94	9.45		QRC-IB-10-DM-24-KI-RD
29	28	245	Plastic (Colour: Red)	IB12-0-RT001
1.14	1.10	9.65		QRC-IB-12-DM-28-KI-RD
36,0	38	245	Plastic (Colour: Red)	IB19-0-RT001
1.42	1.50	9.65		QRC-IB-19-DM-38-KI-RD
44	44	253	Plastic (Colour: Red)	IB25-0-RT001
1.73	1.73	9.96		QRC-IB-25-DM-44-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
26	23	240	Plastic (Colour: Red)	IB06-9-RT001
1.02	.91	9.45		QRC-IB-06-DF-23-KI-RD
33	25	235	Plastic (Colour: Red)	IB10-9-RT001
1.30	.98	9.25		QRC-IB-10-DF-25-KI-RD
38	29	240	Plastic (Colour: Red)	IB12-9-RT001
1.50	1.14	9.45		QRC-IB-12-DF-29-KI-RD
49	38	240	Plastic (Colour: Red)	IB19-9-RT001
1.93	1.50	9.45		QRC-IB-19-DF-38-KI-RD
60	46	245	Plastic (Colour: Red)	IB25-9-RT001
2.36	1.81	9.65		QRC-IB-25-DF-46-KI-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	28	245	Aluminium with chain	IB06-0-SI001
.87	1.10	9.65		QRC-IB-06-DM-28/CN-W89-SI
27	30	155	Aluminium with chain	IB10-0-SI001
1.06	1.18	6.10		QRC-IB-10-DM-30/CN-W89-SI
35	41	265	Aluminium with chain	IB12-0-SI001
1.38	1.61	10.43		QRC-IB-12-DM-41/CN-W89-SI
42	30	250	Aluminium with chain	IB19-0-SI001
1.65	1.18	9.84		QRC-IB-19-DM-30/CN-W89-SI
48	49	340	Aluminium with chain	IB25-0-SI001
1.89	1.93	13.39		QRC-IB-25-DM-49/CN-W89-SI
55	46	225	Aluminium with chain	IB38-0-SI001
2.17	1.81	8.86		QRC-IB-38-DM-46/CN-W89-SI
80	75	350	Aluminium with chain	IB51-0-SI001
3.15	2.95	13.78		QRC-IB-51-DM-75/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	30	210	Aluminium with chain	IB06-9-SI001
.87	1.18	8.27		QRC-IB-06-DF-30/CN-W89-SI
22	30	155	Aluminium with chain	IB10-9-SI001
.87	1.18	6.10		QRC-IB-10-DF-30/CN-W89-SI
28	41	305	Aluminium with chain	IB12-9-SI001
1.10	1.61	12.01		QRC-IB-12-DF-41/CN-W89-SI
35	43	265	Aluminium with chain	IB19-9-SI001
1.38	1.69	10.43		QRC-IB-19-DF-43/CN-W89-SI
44	41	240	Aluminium with chain	IB25-9-SI001
1.73	1.61	9.45		QRC-IB-25-DF-41/CN-W89-SI
74	46	225	Aluminium with chain	IB38-9-SI001
2.91	1.81	8.86		QRC-IB-38-DF-46/CN-W89-SI
105	75	350	Aluminium with chain	IB51-9-SI001
4.13	2.95	13.78		QRC-IB-51-DF-75/CN-W89-SI

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

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	ISO 7241-1, Series B

[2] Alternative seal materials are available on request.

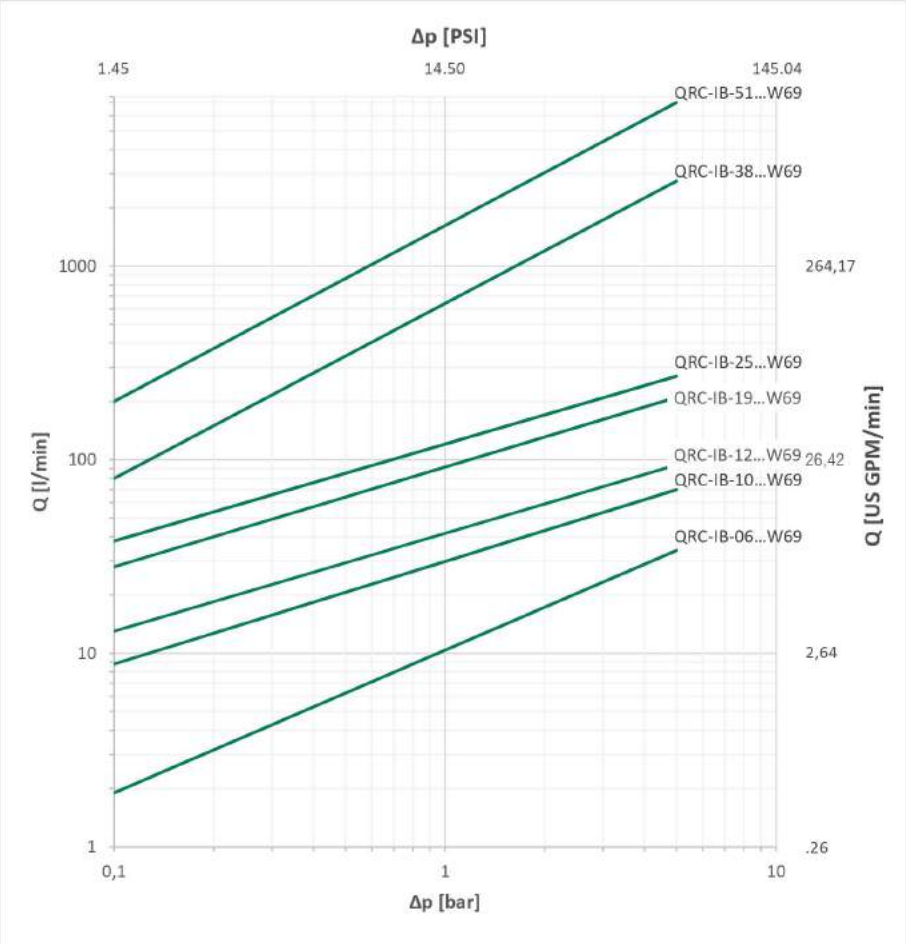
Technical Data

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
IB-06	1	1/4"	6,3	24	6.34	200	2901	1200	17404	800	11603	800	11603	1,0	.0338
IB-10	2	3/8"	10	46	12.15	200	2901	950	13779	850	12328	800	11603	2,4	.0812
IB-12	3	1/2"	12,5	90	23.77	180	2611	1000	14504	900	13053	720	10443	3,9	.1319
IB-19	6	3/4"	19 (20)	220	58.12	130	1885	800	11603	650	9427	550	7977	11,0	.3720
IB-25	8	1"	25	260	68.68	130	1885	600	8702	700	10153	550	7977	19,0	.6425
IB-38	12	1 1/2"	38	757	199.98	60	870	250	3626	250	3626	250	3626	95,0	3.2123
IB-51	14	2"	51	1000	264.17	50	725	200	2901	200	2908	200	2901	170	5.7484

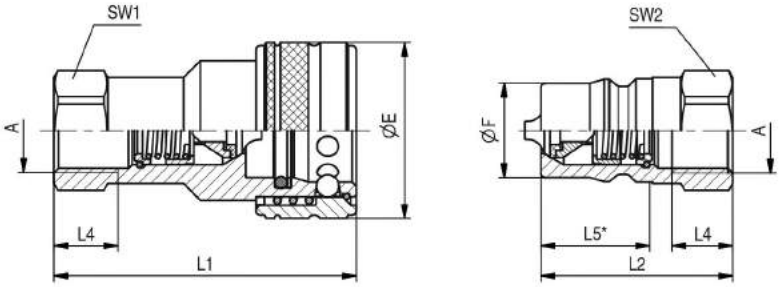
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

IB

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.

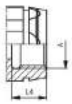


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

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

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/4"	28	14,2	60	38	12	21,5	19	19	IB06-1-IGF04-MS	13,30	IB06-2-IGF04-MS	4,30
		1.1	.56	2.36	1.50	.47	.85	.75	.75	QRC-IB-06-F-G04-VT-W69	29.32	QRC-IB-06-M-G04-V-W69	9.48
	NPTF 1/4" -18	28	14,2	60	38		21,5	19	19	IB06-1-INF04-MS	13,40	IB06-2-INF04-MS	4,40
		1.1	.56	2.36	1.50		.85	.75	.75	QRC-IB-06-F-NF04-VT-W69	29.54	QRC-IB-06-M-NF04-V-W69	9.70

Series IB-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	35	19	67,2	42,5	12	28,2	22	22	IB10-1-IGF06-MS	21,30	IB10-2-IGF06-MS	6,90
		1.38	.75	2.65	1.67	.47	1.11	.87	.87	QRC-IB-10-F-G06-VT-W69	46.96	QRC-IB-10-M-G06-V-W69	15.21
	NPTF 3/8" -18	35	19	67,2	42,5		28,2	22	22	IB10-1-INF06-MS	21,50	IB10-2-INF06-MS	7,10
		1.38	.75	2.65	1.67		1.11	.87	.87	QRC-IB-10-F-NF06-VT-W69	47.40	QRC-IB-10-M-NF06-V-W69	15.65

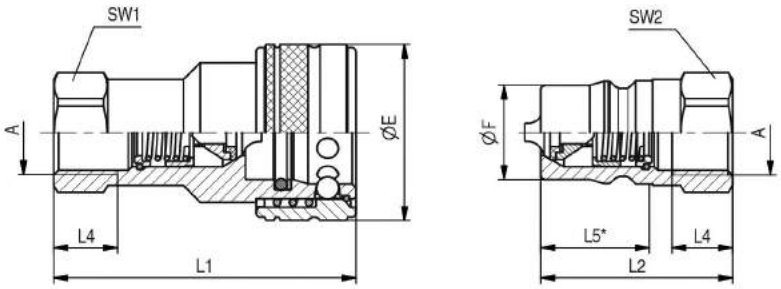
Series IB-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/2"	44	23,55	75,7	48	14	27,2	27	27	IB12-1-IGF08-MS	39,60	IB12-2-IGF08-MS	12,40
		1.73	.93	2.98	1.89	.55	1.07	1.06	1.06	QRC-IB-12-F-G08-VT-W69	87.30	QRC-IB-12-M-G08-V-W69	27.34
	NPTF 1/2" -14	44	23,55	75,7	48		27,2	27	27	IB12-1-INF08-MS	40	IB12-2-INF08-MS	12,80
		1.73	.93	2.98	1.89		1.07	1.06	1.06	QRC-IB-12-F-NF08-VT-W69	88.18	QRC-IB-12-M-NF08-V-W69	28.22

Series IB-19 ▪ BG 6 ▪ Nominal Size 19

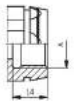
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	52	31,45	91,5	57	14	34	34	34	IB19-1-IGF12-MS	59,70	IB19-2-IGF12-MS	22,60
		2.05	1.24	3.60	2.24	.55	1.34	1.34	1.34	QRC-IB-19-F-G12-VT-W69	131.62	QRC-IB-19-M-G12-V-W69	49.82
	NPTF 3/4" -14	52	31,45	91,5	57		34	34	34	IB19-1-INF12-MS	60,10	IB19-2-INF12-MS	23
		2.05	1.24	3.60	2.24		1.34	1.34	1.34	QRC-IB-19-F-NF12-VT-W69	132.50	QRC-IB-19-M-NF12-V-W69	50.71

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.

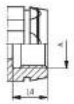


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

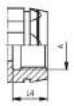
Series IB-25 • BG 8 • Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	60	37,8	105,8	65,5	16	39,3	41	41	IB25-1-IGF16-MS	93,80	IB25-2-IGF16-MS	39,20
		2.36	1.49	4.17	2.58	.63	1.55	1.61	1.61	QRC-IB-25-F-G16-VT-W69	206.79	QRC-IB-25-M-G16-V-W69	86.42
	NPTF 1" -11 1/2	60	37,8	105,8	65,5		39,3	41	41	IB25-1-INF16-MS	95	IB25-2-INF16-MS	40,30
		2.36	1.49	4.17	2.58		1.55	1.61	1.61	QRC-IB-25-F-NF16-VT-W69	209.44	QRC-IB-25-M-NF16-V-W69	88.85

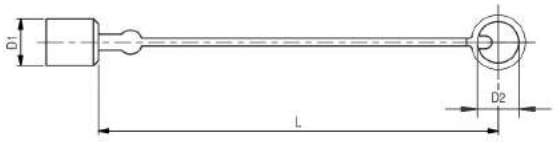
Series IB-38 • BG 12 • Nominal Size 38

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1 1/4"	78,5	44,5	126,5	127	20	52	65	65	IB38-1-IGF20-MS	219,80	IB38-2-IGF20-MS	145,20
		3.09	1.75	4.98	5.00	.79	2.05	2.56	2.56	QRC-IB-38-F-G20-VT-W69	484.58	QRC-IB-38-M-G20-V-W69	320.11
	NPTF 1 1/4" -11 1/2	78,5	44,5	126,5	127		52	65	65	IB38-1-INF20-MS	217	IB38-2-INF20-MS	146,90
		3.09	1.75	4.98	5.00		2.05	2.56	2.56	QRC-IB-38-F-NF20-VT-W69	478.40	QRC-IB-38-M-NF20-V-W69	323.87
	G 1 1/2"	78,5	44,5	126,5	127	22	52	65	65	IB38-1-IGF24-MS	212,60	IB38-2-IGF24-MS	137,10
		3.09	1.75	4.98	5.00	.87	2.05	2.56	2.56	QRC-IB-38-F-G24-VT-W69	468.70	QRC-IB-38-M-G24-V-W69	302.25
	NPTF 1 1/2" -11 1/2	78,5	44,5	126,5	127		52	65	65	IB38-1-INF24-MS	214,80	IB38-2-INF24-MS	139
		3.09	1.75	4.98	5.00		2.05	2.56	2.56	QRC-IB-38-F-NF24-VT-W69	473.55	QRC-IB-38-M-NF24-V-W69	306.44

Series IB-51 • BG 14 • Nominal Size 51

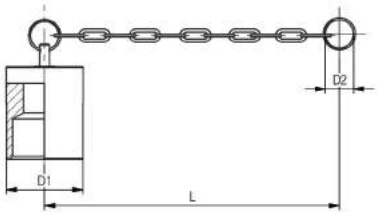
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 2"	105	63,2	142	142,5	24	63,5	90	90	IB51-1-IGF32-MS	532	IB51-2-IGF32-MS	347
		4.13	2.49	5.59	5.61	.94	2.5	3.54	3.54	QRC-IB-51-F-G32-VT-W69	1172.86	QRC-IB-51-M-G32-V-W69	765
	NPTF 2" -11 1/2	105	63,2	142	142,5		63,5	90	90	IB51-1-INF32-MS	537	IB51-2-INF32-MS	352
		4.13	2.49	5.59	5.61		2.5	3.54	3.54	QRC-IB-51-F-NF32-VT-W69	1183.88	QRC-IB-51-M-NF32-V-W69	776.03

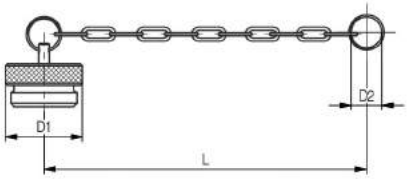
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
18	23	240	Plastic (Colour: Red)	IB06-0-RT001
.71	.91	9.45		QRC-IB-06-DM-23-KI-RD
23	24	240	Plastic (Colour: Red)	IB10-0-RT001
.91	.94	9.45		QRC-IB-10-DM-24-KI-RD
29	28	245	Plastic (Colour: Red)	IB12-0-RT001
1.14	1.10	9.65		QRC-IB-12-DM-28-KI-RD
36,0	38	245	Plastic (Colour: Red)	IB19-0-RT001
1.42	1.50	9.65		QRC-IB-19-DM-38-KI-RD
44	44	253	Plastic (Colour: Red)	IB25-0-RT001
1.73	1.73	9.96		QRC-IB-25-DM-44-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
26	23	240	Plastic (Colour: Red)	IB06-9-RT001
1.02	.91	9.45		QRC-IB-06-DF-23-KI-RD
33	25	235	Plastic (Colour: Red)	IB10-9-RT001
1.30	.98	9.25		QRC-IB-10-DF-25-KI-RD
38	29	240	Plastic (Colour: Red)	IB12-9-RT001
1.50	1.14	9.45		QRC-IB-12-DF-29-KI-RD
49	38	240	Plastic (Colour: Red)	IB19-9-RT001
1.93	1.50	9.45		QRC-IB-19-DF-38-KI-RD
60	46	245	Plastic (Colour: Red)	IB25-9-RT001
2.36	1.81	9.65		QRC-IB-25-DF-46-KI-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	28	245	Aluminium with chain	IB06-0-SI001
.87	1.10	9.65		QRC-IB-06-DM-28/CN-W89-SI
27	30	155	Aluminium with chain	IB10-0-SI001
1.06	1.18	6.10		QRC-IB-10-DM-30/CN-W89-SI
35	41	265	Aluminium with chain	IB12-0-SI001
1.38	1.61	10.43		QRC-IB-12-DM-41/CN-W89-SI
42	30	250	Aluminium with chain	IB19-0-SI001
1.65	1.18	9.84		QRC-IB-19-DM-30/CN-W89-SI
48	49	340	Aluminium with chain	IB25-0-SI001
1.89	1.93	13.39		QRC-IB-25-DM-49/CN-W89-SI
55	46	225	Aluminium with chain	IB38-0-SI001
2.17	1.81	8.86		QRC-IB-38-DM-46/CN-W89-SI
80	75	350	Aluminium with chain	IB51-0-SI001
3.15	2.95	13.78		QRC-IB-51-DM-75/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
22	30	210	Aluminium with chain	IB06-9-SI001
.87	1.18	8.27		QRC-IB-06-DF-30/CN-W89-SI
22	30	155	Aluminium with chain	IB10-9-SI001
.87	1.18	6.10		QRC-IB-10-DF-30/CN-W89-SI
28	41	305	Aluminium with chain	IB12-9-SI001
1.10	1.61	12.01		QRC-IB-12-DF-41/CN-W89-SI
35	43	265	Aluminium with chain	IB19-9-SI001
1.38	1.69	10.43		QRC-IB-19-DF-43/CN-W89-SI
44	41	240	Aluminium with chain	IB25-9-SI001
1.73	1.61	9.45		QRC-IB-25-DF-41/CN-W89-SI
74	46	225	Aluminium with chain	IB38-9-SI001
2.91	1.81	8.86		QRC-IB-38-DF-46/CN-W89-SI
105	75	350	Aluminium with chain	IB51-9-SI001
4.13	2.95	13.78		QRC-IB-51-DF-75/CN-W89-SI

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

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	ISO 7241-1, Series B

[2] Alternative seal materials are available on request.

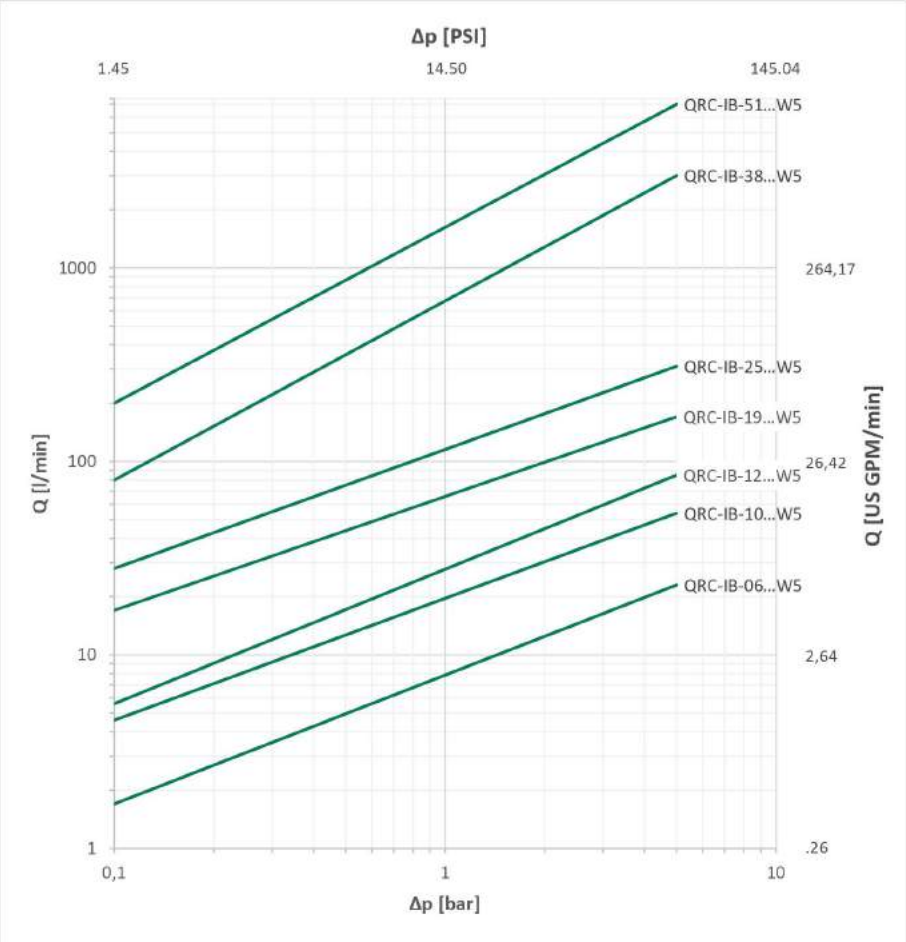
Technical Data

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
IB-06	1	1/4"	6,3	24	6.34	350	5076	1600	23206	1500	21756	1700	24656	1,0	.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	23.77	300	4351	1500	21756	1400	20305	1500	21756	3,9	.1319
IB-19	6	3/4"	19 (20)	220	58.12	220	3191	1000	14504	900	13053	1000	14504	11,0	.3720
IB-25	8	1"	25	260	68.68	200	2901	850	12328	650	9427	600	8702	19,0	.6425
IB-38	12	1 1/2''	38	757	199.98	80	1160	250	3626	250	3626	250	3626	95,0	3.2123
IB-51	14	2"	51	1000	264.17	60	870	200	2901	200	2901	200	2901	170	5.7484

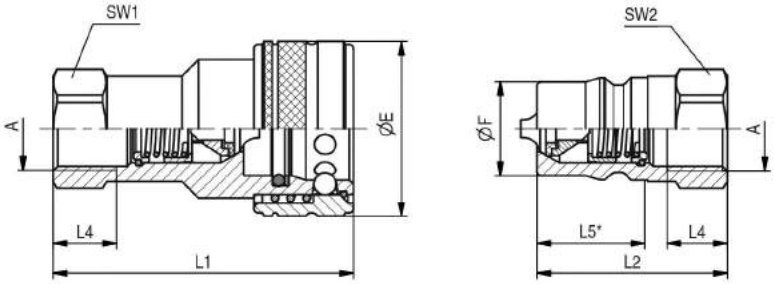
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

IB

Flow Characteristics

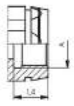


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

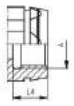


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

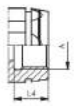
Series IB-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/4"	28	14,2	60	38	12	21,5	19	19	IB06-1-IGF04-VA	13	IB06-2-IGF04-VA	4
		1.10	.56	2.36	1.50	.47	.85	.75	.75	QRC-IB-06-F-G04-VT-W5	28.66	QRC-IB-06-M-G04-V-W5	8.82
	NPTF 1/4" -18	28	14,2	60	38		21,5	19	19	IB06-1-INF04-VA	13,10	IB06-2-INF04-VA	4,10
		1.10	.56	2.36	1.50		.85	.75	.75	QRC-IB-06-F-NF04-VT-W5	28.88	QRC-IB-06-M-NF04-V-W5	9.04

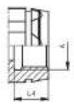
Series IB-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	35	19,1	65,2	40,5	12	24,2	22	22	IB10-1-IGF06-VA	19,70	IB10-2-IGF06-VA	6
		1.38	.75	2.57	1.59	.47	.95	.87	.87	QRC-IB-10-F-G06-VT-W5	43.43	QRC-IB-10-M-G06-V-W5	13.23
	NPTF 3/8" -18	35	19,1	65,2	40,5		24,2	22	22	IB10-1-INF06-VA	19,80	IB10-2-INF06-VA	6,10
		1.38	.75	2.57	1.59		.95	.87	.87	QRC-IB-10-F-NF06-VT-W5	43.65	QRC-IB-10-M-NF06-V-W5	13.45

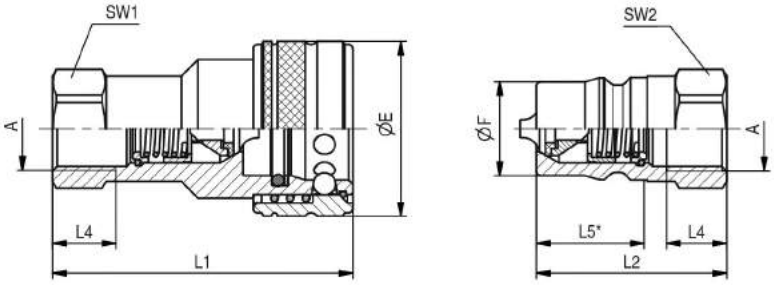
Series IB-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/2"	44	23,55	73,7	46	14	27,2	27	27	IB12-1-IGF08-VA	34,60	IB12-2-IGF08-VA	10,70
		1.73	.93	2.90	1.81	.55	1.07	1.06	1.06	QRC-IB-12-F-G08-VT-W5	76.28	QRC-IB-12-M-G08-V-W5	23.59
	NPTF 1/2" -14	44	23,55	73,7	46		27,2	27	27	IB12-1-INF08-VA	35	IB12-2-INF08-VA	10,90
		1.73	.93	2.90	1.81		1.07	1.06	1.06	QRC-IB-12-F-NF08-VT-W5	77.16	QRC-IB-12-M-NF08-V-W5	24.03

Series IB-19 ▪ BG 6 ▪ Nominal Size 19

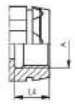
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	51,8	31,45	91,5	57	16	34	34	34	IB19-1-IGF12-VA	56	IB19-2-IGF12-VA	21
		2.03	1.24	3.60	2.24	.63	1.34	1.34	1.34	QRC-IB-19-F-G12-VT-W5	123.46	QRC-IB-19-M-G12-V-W5	46.30
	NPTF 3/4" -14	51,8	31,45	91,5	57		34	34	34	IB19-1-INF12-VA	56,50	IB19-2-INF12-VA	21,50
		2.03	1.24	3.60	2.24		1.34	1.34	1.34	QRC-IB-19-F-NF12-VT-W5	124.56	QRC-IB-19-M-NF12-V-W5	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.

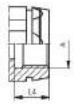


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.
* Insertion Male Tip.

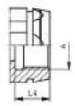
Series IB-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	60	37,8	103,8	63,5	18	39,3	41	41	IB25-1-IGF16-VA	90,80	IB25-2-IGF16-VA	34,20
		2.36	1.49	4.09	2.50	.71	1.55	1.61	1.61	QRC-IB-25-F-G16-VT-W5	200.18	QRC-IB-25-M-G16-V-W5	75.40
	NPTF 1" -11 1/2	60	37,8	103,8	63,5		39,3	41	41	IB25-1-INF16-VA	91,80	IB25-2-INF16-VA	35,20
		2.36	1.49	4.09	2.50		1.55	1.61	1.61	QRC-IB-25-F-NF16-VT-W5	202.38	QRC-IB-25-M-NF16-V-W5	77.60

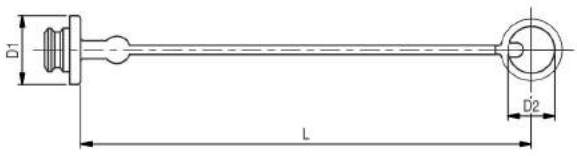
Series IB-38 ▪ BG 12 ▪ Nominal Size 38

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1 1/4"	78,5	44,45	126,5	127	20	52	65	65	IB38-1-IGF20-VA	216.60	IB38-2-IGF20-VA	138,20
		3.09	1.75	4.98	5.00	.79	2.05	2.56	2.56	QRC-IB-38-F-G20-VT-W5	477.52	QRC-IB-38-M-G20-V-W5	304.68
	NPTF 1 1/4" -11 1/2	78,5	44,45	126,5	127		52	65	65	IB38-1-INF20-VA	217.80	IB38-2-INF20-VA	139,40
		3.09	1.75	4.98	5.00		2.05	2.56	2.56	QRC-IB-38-F-NF20-VT-W5	480.17	QRC-IB-38-M-NF20-V-W5	307.32
	G 1 1/2"	78,5	44,45	126,5	127	22	52	65	65	IB38-1-IGF24-VA	208	IB38-2-IGF24-VA	130,40
		3.09	1.75	4.98	5.00	.87	2.05	2.56	2.56	QRC-IB-38-F-G24-VT-W5	458.56	QRC-IB-38-M-G24-V-W5	287.48
	NPTF 1 1/2" -11 1/2	78,5	44,45	126,5	127		52	65	65	IB38-1-INF24-VA	209.50	IB38-2-INF24-VA	132
		3.09	1.75	4.98	5.00		2.05	2.56	2.56	QRC-IB-38-F-NF24-VT-W5	461.87	QRC-IB-38-M-NF24-V-W5	291.01

Series IB-51 ▪ BG 14 ▪ Nominal Size 51

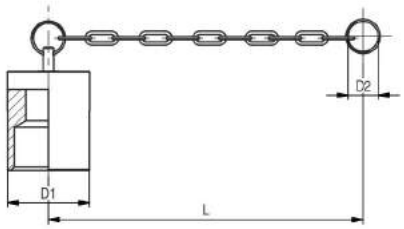
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 2"	105	63,2	142	142,5	24	63,5	90	90	IB51-1-IGF32-VA	497	IB51-2-IGF32-VA	329
		4.13	2.49	5.59	5.61	.94	2.50	3.54	3.54	QRC-IB-51-F-G32-VT-W5	1095.70	QRC-IB-51-M-G32-V-W5	725.32
	NPTF 2" -11 1/2	105	63,2	142	142,5		63,5	90	90	IB51-1-INF32-VA	505	IB51-2-INF32-VA	330
		4.13	2.49	5.59	5.61		2.50	3.54	3.54	QRC-IB-51-F-NF32-VT-W5	1113.33	QRC-IB-51-M-NF32-V-W5	727.53

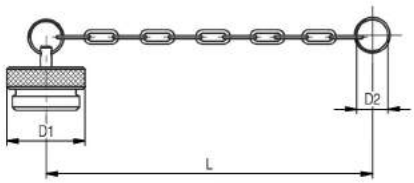
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
18	23	240	Plastic (Colour: Red)	IB06-0-RT001
.71	.91	9.45		QRC-IB-06-DM-23-KI-RD
23	24	240	Plastic (Colour: Red)	IB10-0-RT001
.91	.94	9.45		QRC-IB-10-DM-24-KI-RD
29	28	245	Plastic (Colour: Red)	IB12-0-RT001
1.14	1.10	9.65		QRC-IB-12-DM-28-KI-RD
36,0	38	245	Plastic (Colour: Red)	IB19-0-RT001
1.42	1.50	9.65		QRC-IB-19-DM-38-KI-RD
44	44	253	Plastic (Colour: Red)	IB25-0-RT001
1.73	1.73	9.96		QRC-IB-25-DM-44-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
26	23	240	Plastic (Colour: Red)	IB06-9-RT001
1.02	.91	9.45		QRC-IB-06-DF-23-KI-RD
33	25	235	Plastic (Colour: Red)	IB10-9-RT001
1.30	.98	9.25		QRC-IB-10-DF-25-KI-RD
38	29	240	Plastic (Colour: Red)	IB12-9-RT001
1.50	1.14	9.45		QRC-IB-12-DF-29-KI-RD
49	38	240	Plastic (Colour: Red)	IB19-9-RT001
1.93	1.50	9.45		QRC-IB-19-DF-38-KI-RD
60	46	245	Plastic (Colour: Red)	IB25-9-RT001
2.36	1.81	9.65		QRC-IB-25-DF-46-KI-RD





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
22	28	245	Aluminium with chain	IB06-0-SI001
.87	1.10	9.65		QRC-IB-06-DM-28/CN-W89-SI
27	30	155	Aluminium with chain	IB10-0-SI001
1.06	1.18	6.10		QRC-IB-10-DM-30/CN-W89-SI
35	41	265	Aluminium with chain	IB12-0-SI001
1.38	1.61	10.43		QRC-IB-12-DM-41/CN-W89-SI
42	30	250	Aluminium with chain	IB19-0-SI001
1.65	1.18	9.84		QRC-IB-19-DM-30/CN-W89-SI
48	49	340	Aluminium with chain	IB25-0-SI001
1.89	1.93	13.39		QRC-IB-25-DM-49/CN-W89-SI
55	46	225	Aluminium with chain	IB38-0-SI001
2.17	1.81	8.86		QRC-IB-38-DM-46/CN-W89-SI
80	75	350	Aluminium with chain	IB51-0-SI001
3.15	2.95	13.78		QRC-IB-51-DM-75/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
22	30	210	Aluminium with chain	IB06-9-SI001
.87	1.18	8.27		QRC-IB-06-DF-30/CN-W89-SI
22	30	155	Aluminium with chain	IB10-9-SI001
.87	1.18	6.10		QRC-IB-10-DF-30/CN-W89-SI
28	41	305	Aluminium with chain	IB12-9-SI001
1.10	1.61	12.01		QRC-IB-12-DF-41/CN-W89-SI
35	43	265	Aluminium with chain	IB19-9-SI001
1.38	1.69	10.43		QRC-IB-19-DF-43/CN-W89-SI
44	41	240	Aluminium with chain	IB25-9-SI001
1.73	1.61	9.45		QRC-IB-25-DF-41/CN-W89-SI
74	46	225	Aluminium with chain	IB38-9-SI001
2.91	1.81	8.86		QRC-IB-38-DF-46/CN-W89-SI
105	75	350	Aluminium with chain	IB51-9-SI001
4.13	2.95	13.78		QRC-IB-51-DF-75/CN-W89-SI

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

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.

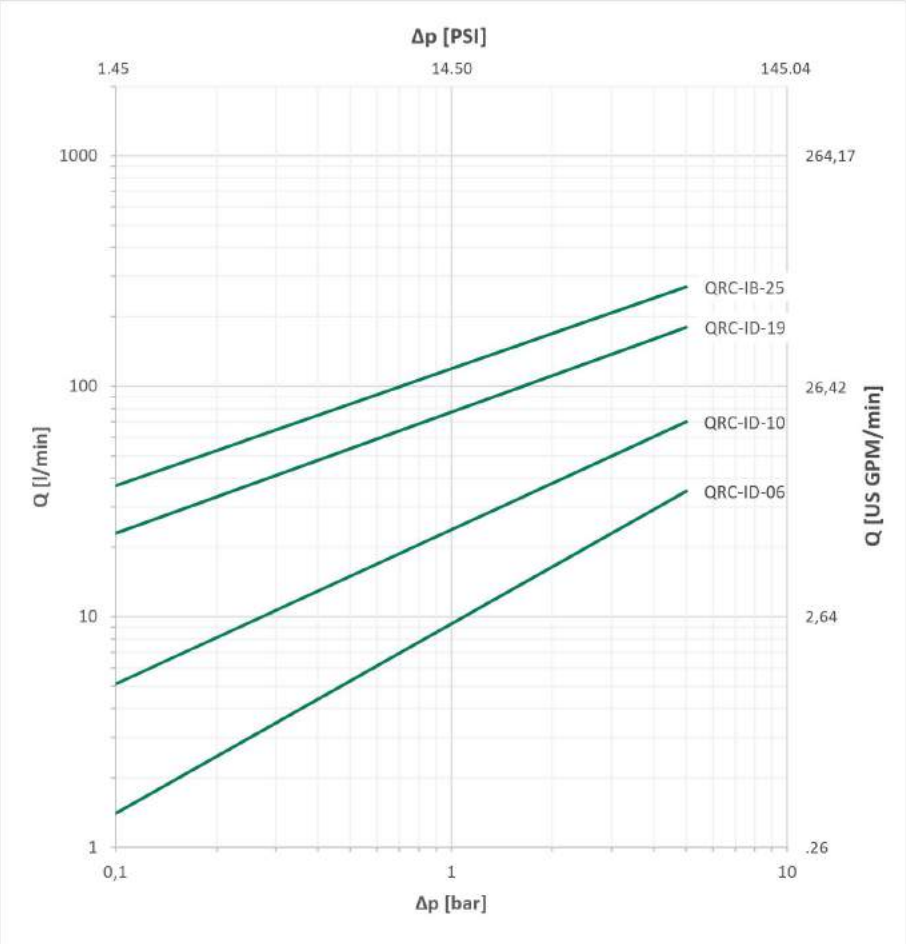
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Female Body bar	Female Body PSI	Male Tip bar	Male Tip PSI	Spillage ml	Spillage fl oz
ID-06	1	1/4"	6,3	24	6.34	400	5801	1700	24656	1700	24656	1600	23206	1	.0338
ID-10	2	3/8"	10	46	12.15	350	5076	1500	21756	1700	24656	1500	21756	2,4	.0812
ID-19	6	3/4"	19 (20)	190	50.19	250	3626	1100	15954	1200	17404	1000	14504	8,6	.2908
ID-25	8	1"	25	250	66.04	250	3626	1000	14504	1100	15954	1200	17404	13,0	.4396

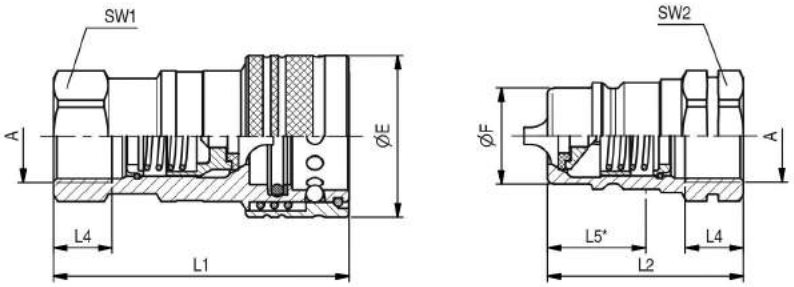
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

ID

Flow Characteristics

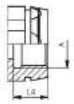


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



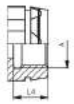
SW: Width across flats. All dimensions in mm (inch). Drawing similar Series ID-19.
* Insertion Male Tip.

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

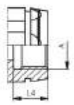
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/4"	27	14,2	55,5	38	12	17,2	19	19	ID06-1-IGF04	11,80	ID06-2-IGF04	4,60
		1.06	.56	2.19	1.50	.47	.68	.75	.75	QRC-ID-06-F-G04-BT-W3	26.01	QRC-ID-06-M-G04-B-W3	10.14
	NPTF 1/4" -18	27	14,2	55,5	38		17,2	19	19	ID06-1-INF04	11,90	ID06-2-INF04	4,70
		1.06	.56	2.19	1.50		.68	.75	.75	QRC-ID-06-F-NF04-BT-W3	26.24	QRC-ID-06-M-NF04-B-W3	10.36

Series ID-10 ▪ BG 2 ▪ Nominal Size 10

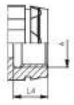
ID

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	27	19	63	42,5	12	20	24	24	ID10-1-IGF06	20	ID10-2-IGF06	8
		1.06	.75	2.48	1.67	.47	.79	.94	.94	QRC-ID-10-F-G06-BT-W3	44.09	QRC-ID-10-M-G06-B-W3	17.64
	NPTF 3/8" -18	27	19	63	42,5		20	24	24	ID10-1-INF06	20,10	ID10-2-INF06	8,10
		1.06	.75	2.48	1.67		.79	.94	.94	QRC-ID-10-F-NF06-BT-W3	44.31	QRC-ID-10-M-NF06-B-W3	17.86

Series ID-19 ▪ BG 6 ▪ Nominal Size 19

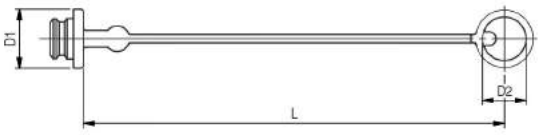
	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	47	28	86	57	16	28,5	34	34	ID19-1-IGF12	47,30	ID19-2-IGF12	18,30
		1.85	1.10	3.39	2.24	.63	1.12	1.34	1.34	QRC-ID-19-F-G12-BT-W3	104.28	QRC-ID-19-M-G12-B-W3	40.34
	NPTF 3/4" -14	47	28	86	57		28,5	34	34	ID19-1-INF12	47,80	ID19-2-INF12	18,80
		1.85	1.10	3.39	2.24		1.12	1.34	1.34	QRC-ID-19-F-NF12-BT-W3	105.38	QRC-ID-19-M-NF12-B-W3	41.45

Series ID-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	52	31,3	99	65,5	18	33	41	41	ID25-1-IGF16	73,60	ID25-2-IGF16	28,20
		2.05	1.23	3.90	2.58	.71	1.30	1.61	1.61	QRC-ID-25-F-G16-BT-W3	162.26	QRC-ID-25-M-G16-B-W3	62.17
	NPTF 1" -11 1/2	52	31,3	99	65,5		33	41	41	ID25-1-INF16	74,30	ID25-2-INF16	28,90
		2.05	1.23	3.90	2.58		1.30	1.61	1.61	QRC-ID-25-F-NF16-BT-W3	163.80	QRC-ID-25-M-NF16-B-W3	63.71

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 Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
22	25	210	Plastic (Colour: Red)	ID06-0-RT001
.87	.98	8.27		QRC-ID-06-DM-25-KI-RD
27	24	205	Plastic (Colour: Red)	ID10-0-RT001
1.06	.94	8.07		QRC-ID-10-DM-24-KI-RD
37	33	270	Plastic (Colour: Red)	ID19-0-RT001
1.46	1.30	10.63		QRC-ID-19-DM-33-KI-RD
41,0	39	290	Plastic (Colour: Red)	ID25-0-RT001
1.61	1.54	11.42		QRC-ID-25-DM-39-KI-RD

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
25	18	205	Plastic (Colour: Red)	ID06-9-RT001
.98	.71	8.07		QRC-ID-06-DF-18-KI-RD
30	24	235	Plastic (Colour: Red)	ID10-9-RT001
1.18	.94	9.25		QRC-ID-10-DF-24-KI-RD
44	33	270	Plastic (Colour: Red)	ID19-9-RT001
1.73	1.30	10.63		QRC-ID-19-DF-33-KI-RD
50	39	290	Plastic (Colour: Red)	ID25-9-RT001
1.97	1.54	11.42		QRC-ID-25-DF-39-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 old color codes BL, GN, GE and SW respectively instead of RT.
Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

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

[2] Alternative seal materials are available on request.

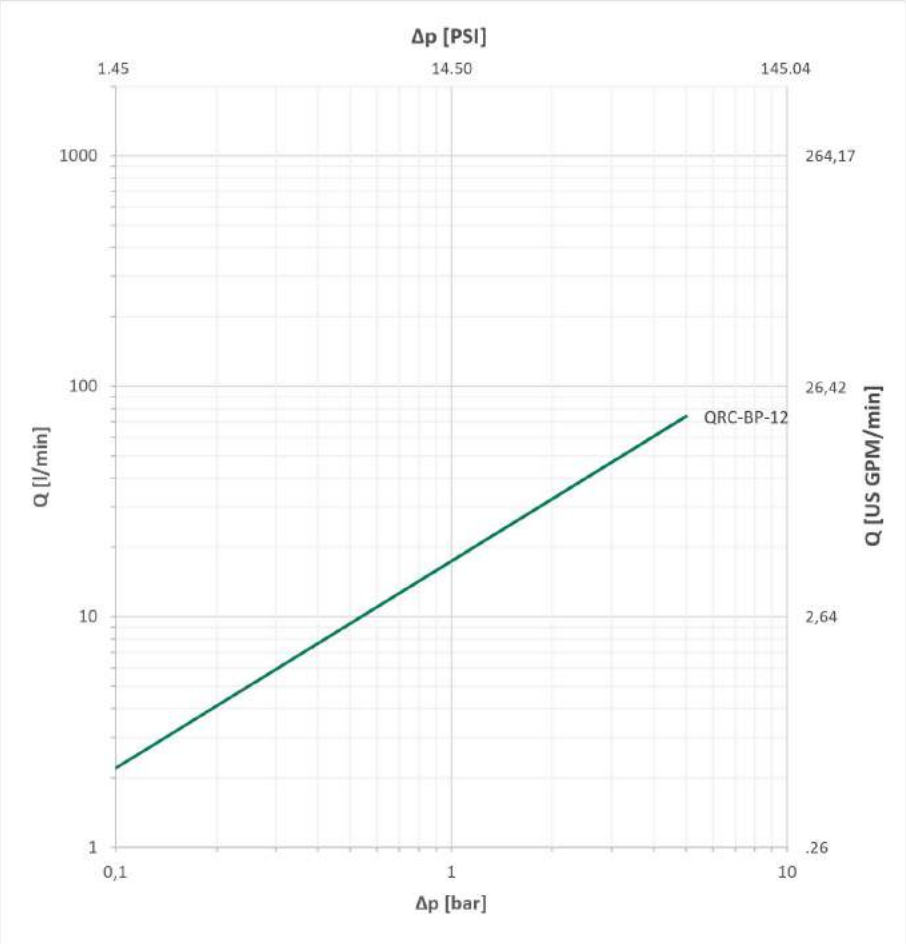
Technical Data

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
BP-12	3	1/2"	12,5	70	18,49	150	2175	930	13489	620	8992	900	13053	0,05	.0017

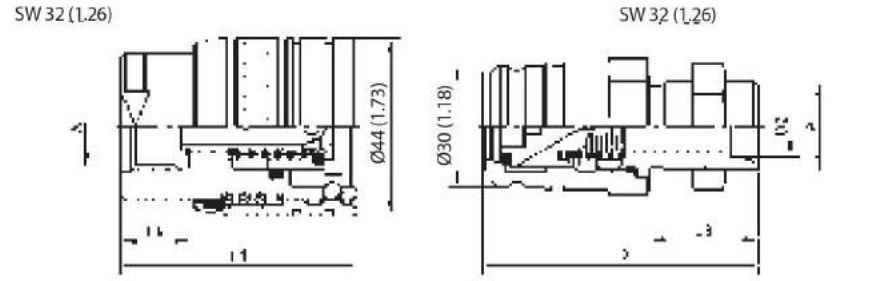
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

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.



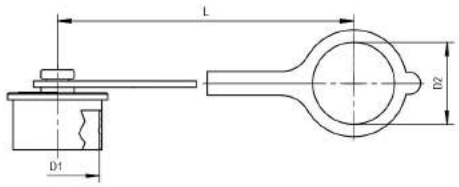
SW: Width across flats. All dimensions in mm (inch).

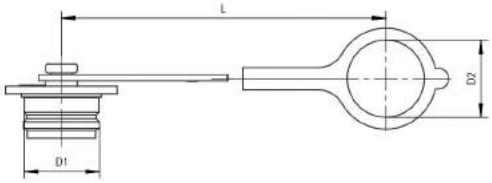
Series BP-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852									
	G 1/2"		55,5			15	BP10-1-IGF08	38,90		
			2.19			.59	QRC-BP-12-F-G08-BT-W3	85.76		
	M18x1,5		55,5			15	BP10-1-IMF18	40,20		
			2.19			.59	QRC-BP-12-F-M18OR-BT-W3	88.63		
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M18x1,5	12L		49	21				BP10-2-N1218	14,20
				1.93	.83				QRC-BP-12-M-12LB-B-W3	31.31
	M22x1,5	15L		51	23				BP10-2-N1522	17,20
				2.01	.91				QRC-BP-12-M-15LB-B-W3	37.92

BP

Series BP ▪ Dust Protection





Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
30	29,5	185	Plastic (Colour: Red)	BP10-0-RT001
1.18	1.16	7.28		QRC-BP-10-DM-30-K-RD

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
29	29,5	185	Plastic (Colour: Red)	BP10-9-RT001
1.14	1.16	7.28		QRC-BP-10-DF-30-K-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.

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.

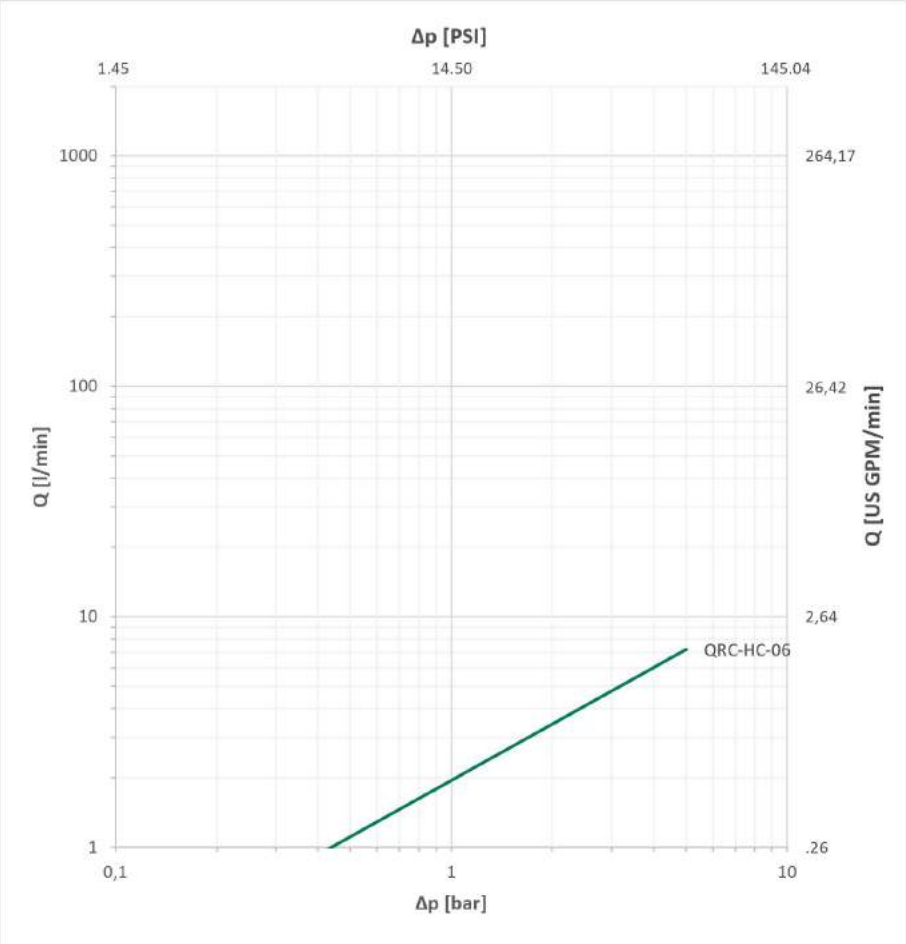
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Female Body bar	Female Body PSI	Male Tip bar	Male Tip PSI	Spillage ml	Spillage fl oz
HC-06	1	1/4"	6,3	6	1.58	1000	14504	2500	36259	2500	36259	2500	36259	0,008	.0003

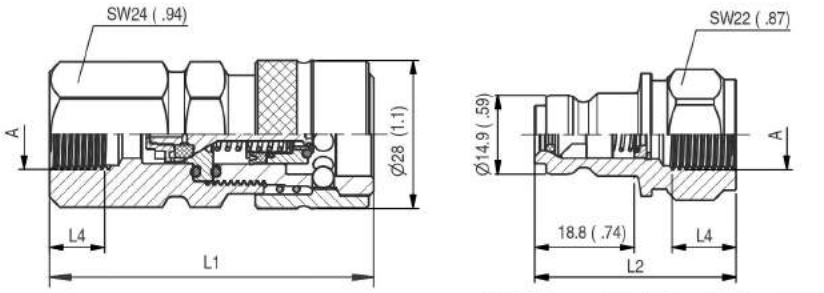
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

HC

Flow Characteristics

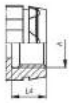


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



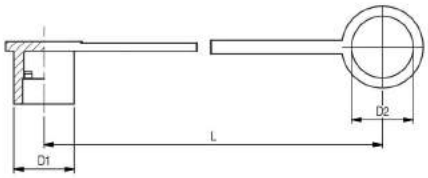
SW: Width across flats. All dimensions in mm (inch).

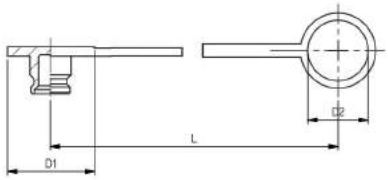
Series HC-06 ▪ BG 1 ▪ Nominal Size 6,3

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4 min	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3									
	G 1/8"		54,3	38,1		8	HC06-1-IGF02	17,60	HC06-2-IGF02	7,80
			2.14	1.50		0.31	QRC-HC-06-F-G02-Y-W66	38.80	QRC-HC-06-M-G02-Y-W66	17.20
	G 1/4"		61,3	38,1		12	HC06-1-IGF04	19,50	HC06-2-IGF04	7,10
			2.41	1.50		0.47	QRC-HC-06-F-G04-Y-W66	42.99	QRC-HC-06-M-G04-Y-W66	15.65
	NPTF 1/4" -18		58,3	35,7			HC06-1-INF04	18,60	HC06-2-INF04	6,70
			2.30	1.41			QRC-HC-06-F-NF04-Y-W66	41.01	QRC-HC-06-M-NF04-Y-W66	14.77
	G 3/8"		63,3	39,6		12	HC06-1-IGF06	19,30	HC06-2-IGF06	8,40
			2.49	1.56		0.47	QRC-HC-06-F-G06-Y-W66	42.55	QRC-HC-06-M-G06-Y-W66	18.52
	NPTF 3/8" -18		60,3	39,6			HC06-1-INF06	18,50	HC06-2-INF06	7,80
			2.37	1.56			QRC-HC-06-F-NF06-Y-W66	40.79	QRC-HC-06-M-NF06-Y-W66	17.20

Series HC ▪ Dust Protection

HC





Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
29	22,5	110	Plastic (Colour: Red)	HC06-0-RT001
1.14	.89	4.33		QRC-HC-06-DM-23-KI-RD

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
29	20,5	110	Plastic (Colour: Red)	HC06-9-RT001
1.14	.81	4.33		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 old color codes BL, GN, GE and SW respectively instead of RT.
Please use the STAUFF 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.

Series HD ▪ Carbon Steel

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.

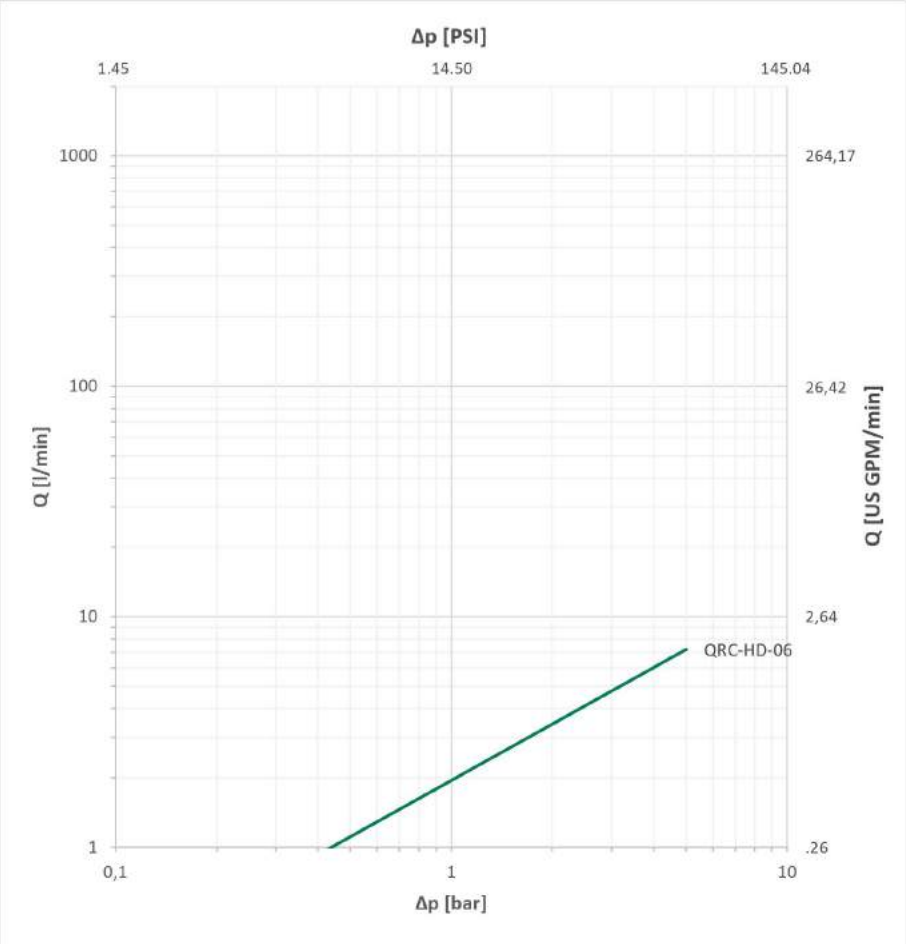
Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Bursting Pressure Female Body bar	Bursting Pressure Female Body PSI	Bursting Pressure Male Tip bar	Bursting Pressure Male Tip PSI	Spillage ml	Spillage fl oz
HD-06	1	1/4"	6,3	6	1.58	1500	21756	3500	50763	3500	50763	3500	50763	0,008	.0003

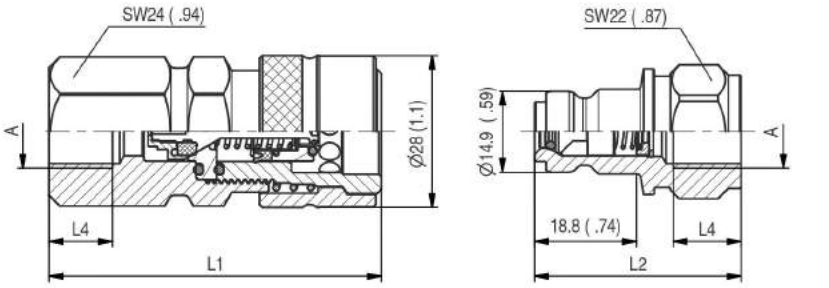
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

HD

Flow Characteristics

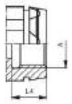


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

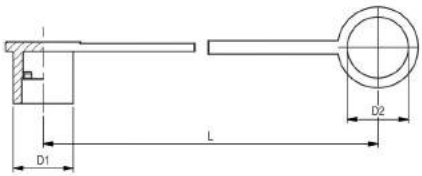


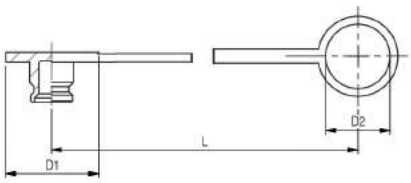
SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4 min	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3									
	G 1/4"		61,3	38,1		12	HD06-1-IGF04	19,60	HD06-2-IGF04	7,10
			2.41	1.50		0.47	QRC-HD-06-F-G04-Y-W66	43.21	QRC-HD-06-M-G04-Y-W66	15.65
	NPTF 1/4" -18		58,3	35,7			HD06-1-INF04	18,60	HD06-2-INF04	6,60
			2.30	1.41			QRC-HD-06-F-NF04-Y-W66	41.01	QRC-HD-06-M-NF04-Y-W66	14.55

Series HD ▪ Dust Protection





Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
29	22,5	110	Plastic (Colour: Black)	HD06-0-SW001
1.14	.89	4.33		QRC-HD-06-DM-23-KI-BK

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
29	20,5	110	Plastic (Colour: Black)	HD06-9-SW001
1.14	.81	4.33		QRC-HD-06-DF-21-KI-BK

HD

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 HUS ▪ Carbon Steel

Series HUS ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-40° C ... +106° C / -40° 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	-

[2] Alternative seal materials are available on request.

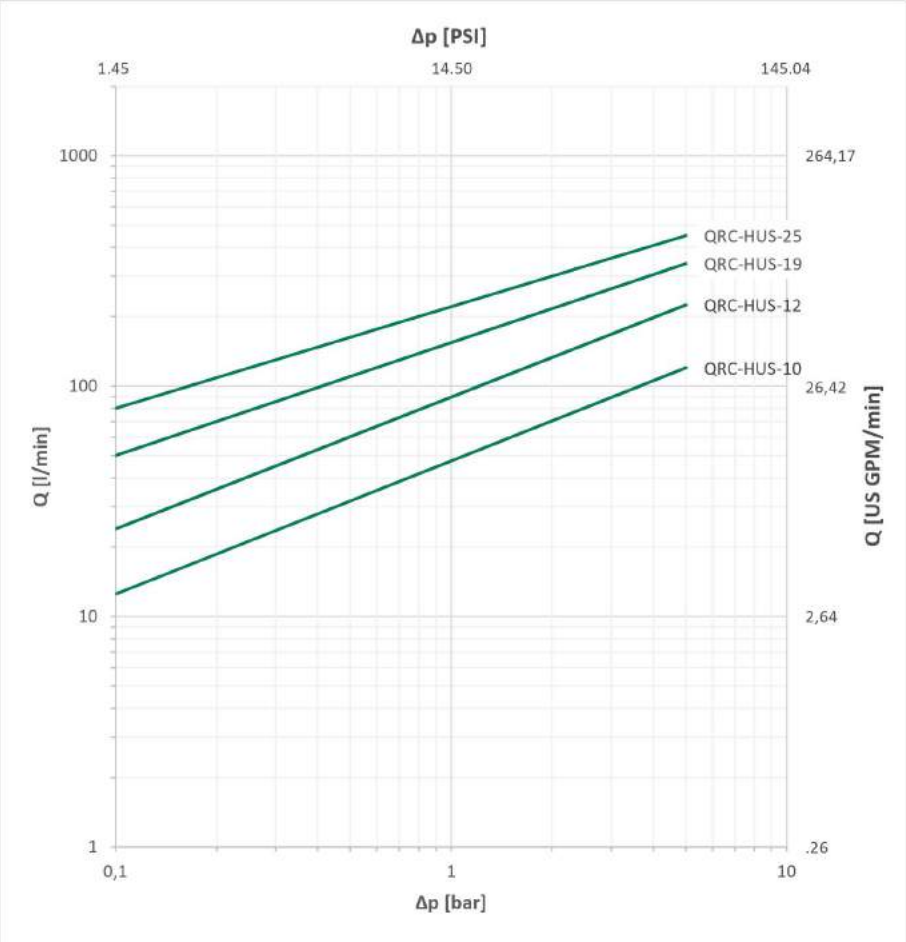
Technical Data

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
HUS-10	2	3/8"	10			350	5075	1500	21750	1450	21025	1500	21750		
HUS-12	3	1/2"	12,5			315	4567.5	1300	18850	1200	17400	1250	18125		
HUS-19	6	3/4"	19 (20)			300	4350	1250	18125	1200	17400	1250	18125		
HUS-25	8	1"	25			260	3770	1100	15950	1000	14500	1100	15950		

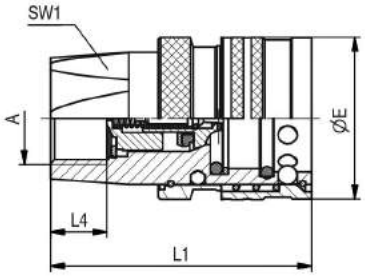
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

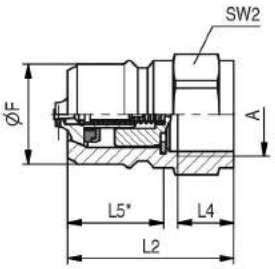
HUS

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 Old Part Numbers	Weight (kg/lbs) ca.	Male Tip Old Part Numbers	Weight (kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/8"	34	20	60	38	12	23	24	22	HUS10-1-IGF06	224,7	HUS10-2-IGF06	60
		1.3	.8	2.4	1.5	.47	.91	.9	.9	QRC-HUS-10-F-G06-BT-W3	495,38	QRC-HUS-10-M-G06-B-W3	132,28

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

	Port A	Dimensions (mm/in)								Female Body Old Part Numbers	Weight (kg/lbs) ca.	Male Tip Old Part Numbers	Weight (kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1/2"	40	25	65,5	41,5	14	24,5	30	27	HUS12-1-IGF08	317,68	HUS12-2-IGF08	105,45
		1.6	1.0	2.6	1.6	.55	.96	1.2	1.1	QRC-HUS-12-F-G08-BT-W3	700,36	QRC-HUS-12-M-G08-B-W3	232,48

HUS

Series HUS-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in)								Female Body Old Part Numbers	Weight (kg/lbs) ca.	Male Tip Old Part Numbers	Weight (kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 3/4"	52	33	74,5	46,5	16	28,5	38	36	HUS19-1-IGF12	585	HUS19-2-IGF12	185
		2.0	1.3	2.9	1.8	.63	1.12	1.5	1.4	QRC-HUS-19-F-G12-BT-W3	1289,70	QRC-HUS-19-M-G12-B-W3	407,86

Series HUS-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in)								Female Body Old Part Numbers	Weight (kg/lbs) ca.	Male Tip Old Part Numbers	Weight (kg/lbs) ca.
		ØE	ØF	L1	L2	L4 min	L5	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3												
	G 1"	62	41	88,5	54.5	18	35	45	46	HUS25-1-IGF16	939	HUS25-2-IGF16	339
		2.4	1.6	3.5	2.1	.71	1.38	1.8	1.8	QRC-HUS-25-F-G16-BT-W3	2070,14	QRC-HUS-25-M-G16-B-W3	747,37

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.

Series MK

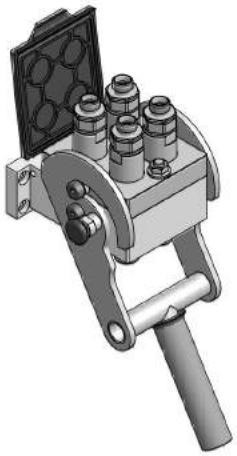
Description

The multi-coupling has been created for connecting and disconnecting several hydraulic lines at the same time. This is done by an operating lever the guide crank of which is designed for a minimum of operating force.

The connection of the hydraulic lines is done with flat face couplings. Due to the secial sealing it is possible to couple against trapped pressure on the male halves (max. 4x100 bar / 4x1450 PSI)

The main features of the multi coupling are:

- Safety against commutability of hydraulic lines
- Quick connecting
- Coupling against trapped pressure
- Optimally minimized spillage during coupling process



Spare Parts

The following list shows the spare parts available for the line of the multi-coupling products.
They are supplied in form of kits, including detailed removal and installation instructions:

Description	MK 24 Old Part Numbers STAUFF Ordering Codes	MK 74 Old Part Numbers STAUFF Ordering Codes
Operating lever kit	MU20-1-KIT001 QRC-MK-Q-10/4-SP-OL-W3	MU70-1-KIT001 QRC-MK-R-10/4-SP-OL-W3
Safety lock kit	MU20-1-KIT002 QRC-MK-Q-10/4-SP-SL-W3	MU20-1-KIT002 QRC-MK-Q-10/4-SP-SL-W3
Dust protection kit	MU20-1-KIT003 QRC-MK-Q-10/4-SP-DP-K	MU70-1-KIT004 QRC-MK-R-10/4-SP-DP-K
Female coupling	EK08-1-XXXX* QRC-EK-10-F-XXX-BT-W3	EK08-1-XXXX* QRC-EK-10-F-XXX-BT-W3
Centering bolt kit	MU20-2-KIT001 QRC-MK-Q-10/4-SP-CB-W3	MU20-2-KIT001 QRC-MK-Q-10/4-SP-CB-W3
Guide screw kit	MU20-2-KIT002 QRC-MK-Q-10/4-SP-GS-W4	MU20-2-KIT002 QRC-MK-Q-10/4-SP-GS-W4
Male coupling	EK08-2-XXXX* QRC-EK-10-M-XXX-BP-W3	EK08-2-XXXX* QRC-EK-10-M-XXX-BP-W3
Seal kit (20 pcs.)	MU20-2-KIT003 QRC-EK-10-MSK-PU	MU20-2-KIT003 QRC-EK-10-MSK-PU

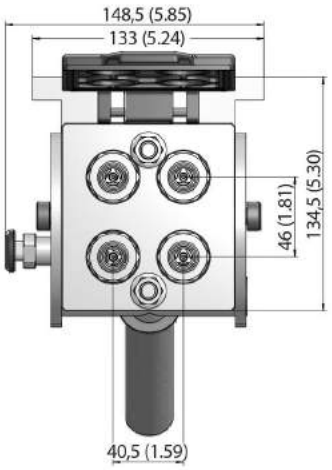
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

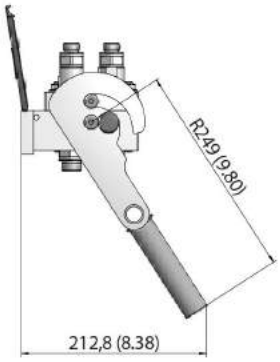
Working Pressure
250 bar / 25 MPa / 3626 PSI (2 x 250 bar, 2 x 40 bar)

Material
Steel

Surface Finishing
Zinc-Nickel

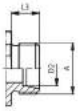
Standard Seal Material(s)
NBR (Buna-N®), PTFE, PU





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

Series MK-Q-10/4 24 • BG 2 • Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	Fixed half Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Mobile half Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Multicoupling System Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3							
	G 3/8"		MK24-1-IGF06	581	MK24-2-IGF06	283	MK24-8-IGF06	864
			QRC-MK-Q-10/4-FP-G06-BT-W3	1280.89	QRC-MK-Q-10/4-MP-G06-BP-W3	623.91	QRC-MK-Q-10/4-CC-G06-S1-W3	1904.79
	G 1/2"		MK24-1-IGF08	581	MK24-2-IGF08	283	MK24-8-IGF08	864
			QRC-MK-Q-10/4-FP-G08-BT-W3	1280.89	QRC-MK-Q-10/4-MP-G08-BP-W3	623.91	QRC-MK-Q-10/4-CC-G08-S1-W3	1904.79
	NPTF 1/2" -14		MK24-1-INF08	581	MK24-2-INF08	283	MK24-8-INF08	864
			QRC-MK-Q-10/4-FP-NF08-BT-W3	1280.89	QRC-MK-Q-10/4-MP-NF08-BP-W3	623.91	QRC-MK-Q-10/4-CC-NF08-S1-W3	1904.79
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861							
	M16x1,5	10L	MK24-1-L1016	557	MK24-2-L1016	259	MK24-8-L1016	816
			QRC-MK-Q-10/4-FP-10L-BT-W3	1227.98	QRC-MK-Q-10/4-MP-10L-BP-W3	571.00	QRC-MK-Q-10/4-CC-10L-S1-W3	1798.97
	M18x1,5	12L	MK24-1-L1218	565	MK24-2-L1218	259	MK24-8-L1218	824
			QRC-MK-Q-10/4-FP-12L-BT-W3	1245.61	QRC-MK-Q-10/4-MP-12L-BP-W3	571.00	QRC-MK-Q-10/4-CC-12L-S1-W3	1816.61
	M22x1,5	15L	MK24-1-L1522	565	MK24-2-L1522	267	MK24-8-L1522	832
			QRC-MK-Q-10/4-FP-15L-BT-W3	1245.61	QRC-MK-Q-10/4-MP-15L-BP-W3	588.63	QRC-MK-Q-10/4-CC-15L-S1-W3	1834.25
	M26x1,5	18L	MK24-1-L1826	581	MK24-2-L1826	267	MK24-8-L1826	848
			QRC-MK-Q-10/4-FP-18L-BT-W3	1280.89	QRC-MK-Q-10/4-MP-18L-BP-W3	588.63	QRC-MK-Q-10/4-CC-18L-S1-W3	1869.25

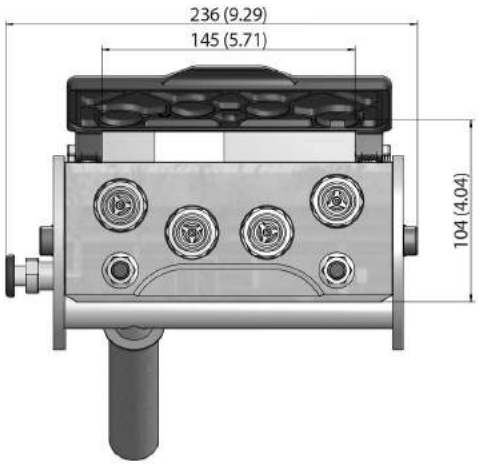
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

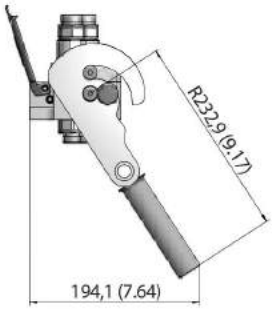
Working Pressure
250 bar / 25 MPa / 3626 PSI (2 x 250 bar, 2 x 40 bar)

Material
Steel

Surface Finishing
Zinc-Nickel

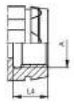
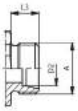
Standard Seal Material(s)
NBR (Buna-N®), PTFE, PU





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

Series MK-R-10/4 ▪ BG 2 ▪ Nominal Size 10

	Port A	Abmessung ($^{mm}/_{in}$) ØD2	Fixed half Old Part Numbers STAUFF Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100	Mobile half Old Part Numbers STAUFF Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100	Multicoupling System Old Part Numbers STAUFF Ordering Codes	Weight ($^{kg}/_{lbs}$) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3							
	G3/8"		MK74-1-IGF06	682	MK74-2-IGF06	334	MK74-8-IGF06	1016
			QRC-MK-R-10/4-FP-G06-BT-W3	1503.55	QRC-MK-R-10/4-MP-G06-BP-W3	736.34	QRC-MK-R-10/4-CC-G06-S1-W3	2239.90
	G 1/2"		MK74-1-IGF08	680	MK74-2-IGF08	332	MK74-8-IGF08	1012
			QRC-MK-R-10/4-FP-G08-BT-W3	1499.14	QRC-MK-R-10/4-MP-G08-BP-W3	731.93	QRC-MK-R-10/4-CC-G08-S1-W3	2231.08
	NPTF 1/2" -14		MK74-1-INF08	678	MK74-2-INF08	330	MK74-8-INF08	1008
			QRC-MK-R-10/4-FP-NF08-BT-W3	1494.73	QRC-MK-R-10/4-MP-NF08-BP-W3	727.53	QRC-MK-R-10/4-CC-NF08-S1-W3	2222.26
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861							
	M16x1,5	10L	MK74-1-L1016	669	MK74-2-L1016	321	MK74-8-L1016	990
			QRC-MK-R-10/4-FP-10L-BT-W3	1474.89	QRC-MK-R-10/4-MP-10L-BP-W3	707.68	QRC-MK-R-10/4-CC-10L-S1-W3	2182.58
	M18x1,5	12L	MK74-1-L1218	669	MK74-2-L1218	321	MK74-8-L1218	990
			QRC-MK-R-10/4-FP-12L-BT-W3	1474.89	QRC-MK-R-10/4-MP-12L-BP-W3	707.68	QRC-MK-R-10/4-CC-12L-S1-W3	2182.58
	M22x1,5	15L	MK74-1-L1522	672	MK74-2-L1522	324	MK74-8-L1522	996
			QRC-MK-R-10/4-FP-15L-BT-W3	1481.51	QRC-MK-R-10/4-MP-15L-BP-W3	714.30	QRC-MK-R-10/4-CC-15L-S1-W3	2195.80
	M26x1,5	18L	MK74-1-L1826	674	MK74-2-L1826	326	MK74-8-L1826	1000
			QRC-MK-R-10/4-FP-18L-BT-W3	1485.92	QRC-MK-R-10/4-MP-18L-BP-W3	718.71	QRC-MK-R-10/4-CC-18L-S1-W3	2204.62

MK

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 HS ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip/Female Body up to 33% of the Working Pressure with Tools
Application	Construction Machinery
ISO Interchange	ISO 14541 (BG 1-6)

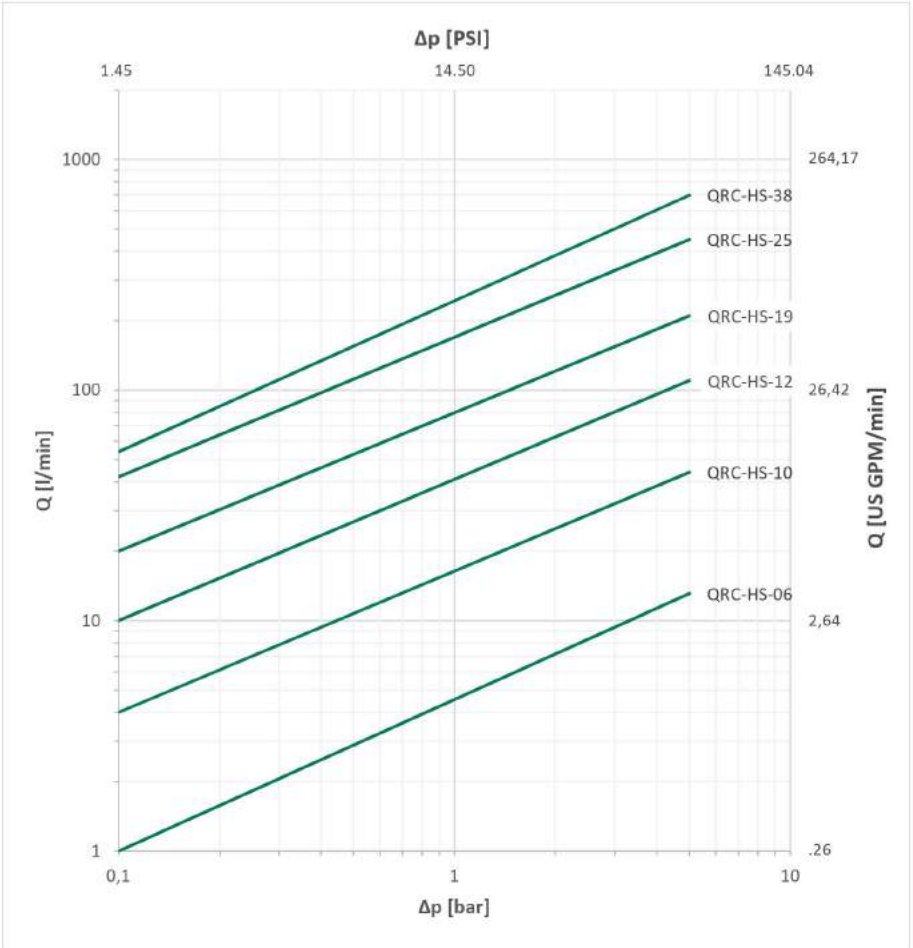
[2] Alternative seal materials are available on request.

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
HS-06	1	1/4"	6,3	20	5.28	450	6527	1800	26107	1400	20305	1400	20305	0,8	.0271
HS-10	2	3/8"	10	40	10.57	450	6527	1600	23206	1750	25382	1550	22481	1,3	.0440
HS-12	3	1/2"	12,5	80	21.13	400	5801	1400	20305	1200	17404	1200	17404	3,1	.1048
HS-19	6	3/4"	19	120	31.70	400	5801	1500	21756	1600	23206	1200	17404	5,6	.1894
HS-25	8	1"	25	160	42.27	300	4351	1180	17114	1500	21756	1100	15954	12,3	.4159
HS-38	12	1 1/2"	38	220	58.12	350	5076	1800	26107	1600	23206	1200	17404	52,3	1.7685

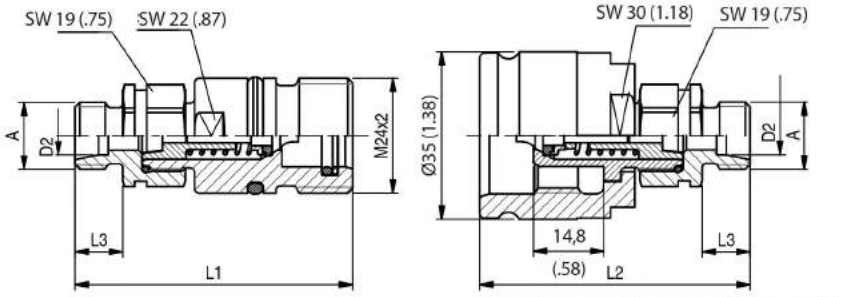
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



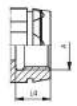
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

HS



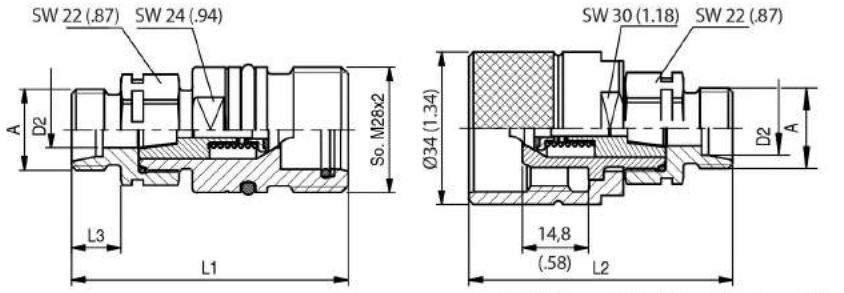
SW: Width across flats. All dimensions in mm (inch).

Series HS-06 • BG 1 • Nominal Size 6,3

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G 1/4"		60	59		13	HS04-1-IGF04	12	HS04-2-IGF04	18,20
			2.36	2.32		.51	QRC-HS-06-F-G04-BT-W66	26.46	QRC-HS-06-M-G04-BT-W66	40.12
	NPTF 1/4" -18		60	59			HS04-1-INF04	12	HS04-2-INF04	19
			2.36	2.32			QRC-HS-06-F-NF04-BT-W66	26.46	QRC-HS-06-M-NF04-B-W66	41.89
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	58	57	10		HS04-1-L0814	12,10	HS04-2-L0814	18,70
			2.28	2.24	.39		QRC-HS-06-F-08L-BT-W66	26.68	QRC-HS-06-M-08L-B-W66	41.23
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	73	72	25		HS04-1-N0814	13,70	HS04-2-N0814	20,30
			2.87	2.83	.98		QRC-HS-06-F-08LB-BT-W66	30.20	QRC-HS-06-M-08LB-B-W66	44.75

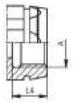
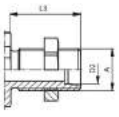
HS

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.



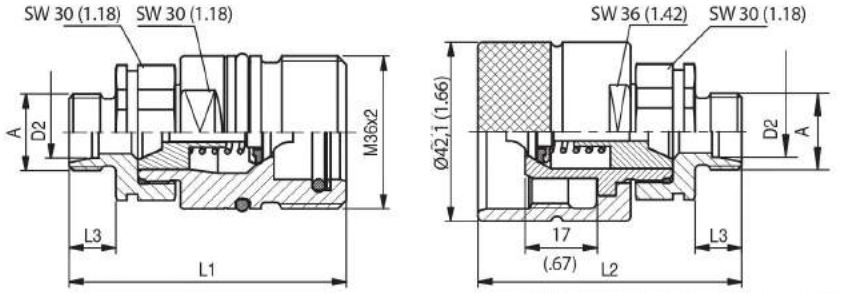
SW: Width across flats. All dimensions in mm (inch).

Series HS-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to DIN ISO 8434-1									
	G 3/8"		65	62	12		HS08-1-AGF06	16,90	HS08-2-AGF06	18,10
			2.56	2.44	.47		QRC-HS-10-F-B06-BT-W66	37.26	QRC-HS-10-M-B06-B-W66	39.90
	UNF 3/4" -16		67	53	17		HS08-1-AUF08	16	HS08-2-AUF08	17,50
			2.65	2.07	.65		QRC-HS-10-F-J12-BT-W66	35.27	QRC-HS-10-M-J08-B-W66	38.58
	Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3									
	G1/4"		64	61		13	HS08-1-IGF04	18	HS08-2-IGF04	19,20
			2.52	2.40		.51	QRC-HS-10-F-G04-BT-W66	39.68	QRC-HS-10-M-G04-B-W66	42.33
	G3/8"		64	61		13	HS08-1-IGF06	17,20	HS08-2-IGF06	18,40
			2.52	2.40		.51	QRC-HS-10-F-G06-BT-W66	37.92	QRC-HS-10-M-G06-B-W66	40.57
	M16x1,5		64	61		13	HS08-1-IMF16	16,10	HS08-2-IMF16	17,40
			2.52	2.40		.51	QRC-HS-10-F-M16-BT-W66	35.49	QRC-HS-10-M-M16-B-W66	38.36
	NPTF 3/8" -18		64	61			HS08-1-INF06	17,30	HS08-2-INF06	18,50
			2.52	2.40			QRC-HS-10-F-NF06-BT-W66	38.14	QRC-HS-10-M-NF06-B-W66	40.79
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	61	58	10		HS08-1-L0814	14,40	HS08-2-L0814	15,80
			2.39	2.28	.39		QRC-HS-10-F-08L-BT-W66	31.75	QRC-HS-10-M-08L-B-W66	34.83
	M16x1,5	10L	62	59	11		HS08-1-L1016	15,80	HS08-2-L1016	16,90
			2.43	2.32	.43		QRC-HS-10-F-10L-BT-W66	34.83	QRC-HS-10-M-10L-B-W66	37.26
	M18x1,5	12L	62	59	11		HS08-1-L1218	16	HS08-2-L1218	17,20
			2.43	2.32	.43		QRC-HS-10-F-12L-BT-W66	35.27	QRC-HS-10-M-12L-B-W66	37.92
	M16x1,5	8S	63	60	12		HS08-1-S0816	16,30	HS08-2-S0816	17,40
			2.47	2.36	.47		QRC-HS-10-F-08S-BT-W66	35.94	QRC-HS-10-M-08S-B-W66	38.36
	M18x1,5	10S	63	60	12		HS08-1-S1018	16,40	HS08-2-S1018	17,60
			2.47	2.36	.47		QRC-HS-10-F-10S-BT-W66	36.16	QRC-HS-10-M-10S-B-W66	38.80
	M20x1,5	12S	63	60	12		HS08-1-S1220	15,40	HS08-2-S1220	17,90
			2.47	2.36	.47		QRC-HS-10-F-12S-BT-W66	33.95	QRC-HS-10-M-12S-B-W66	39.46
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	8L	76	73	25		HS08-1-N0814	17,20	HS08-2-N0814	17,60
			2.98	2.87	.98		QRC-HS-10-F-08LB-BT-W66	37.92	QRC-HS-10-M-08LB-B-W66	38.80
	M16x1,5	10L	77	74	26		HS08-1-N1016	18,70	HS08-2-N1016	17
			3.02	2.91	1.02		QRC-HS-10-F-10LB-BT-W66	41.23	QRC-HS-10-M-10LB-B-W66	37.48
	M22x1,5	15L	78	75	27		HS08-1-N1522	23,10	HS08-2-N1522	17,50
			3.06	2.95	1.06		QRC-HS-10-F-15LB-BT-W66	50.93	QRC-HS-10-M-15LB-BT-W66	38.58
	M16x1,5	08S	78	5	27		HS08-1-T0816	16	HS08-2-T0816	17
			3.06	.20	1.06		QRC-HS-10-F-08SB-BT-W66	35.27	QRC-HS-10-M-08SB-BT-W66	37.48
	M18x1,5	10S	78	75	27		HS08-1-T1018	17,50	HS08-2-T1018	17,50
			3.06	2.95	1.06		QRC-HS-10-F-10SB-BT-W66	38.58	QRC-HS-10-M-10SB-B-W66	38.58
	M20x1,5	12S	78	75	27		HS08-1-T1220	31	HS08-2-T1220	17,10
			3.06	2.95	1.06		QRC-HS-10-F-12SB-BT-W66	68.34	QRC-HS-10-M-12SB-B-W66	37.70

HS

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.



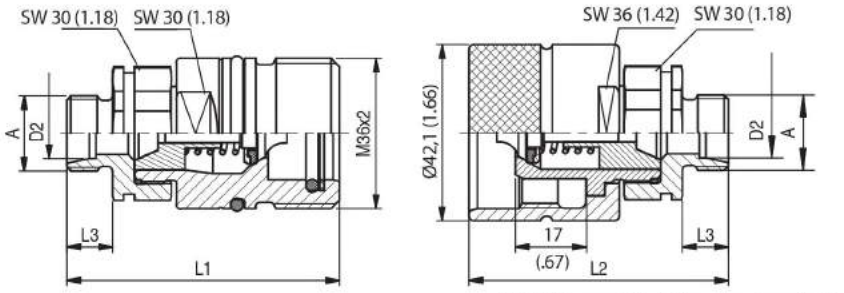
SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to DIN 3852-2 - ISO 9974-3									
	G 3/8"		69	66	12		HS10-1-AGF06	28,70	HS10-2-AGF06	26,70
			2.72	2.60	.47		QRC-HS-12-F-B06-BT-W66	63.27	QRC-HS-12-M-B06-B-W66	58.86
	G 1/2"		69	66	12		HS10-1-AGF08	29,50	HS10-2-AGF08	27,10
			2.72	2.60	.47		QRC-HS-12-F-B08-BT-W66	65.04	QRC-HS-12-M-B08-B-W66	59.75
	M22x1,5		69	66	12		HS10-1-AMF22	29,60	HS10-2-AMF22	26,20
			2.72	2.60	.47		QRC-HS-12-F-M22M-BT-W66	65.26	QRC-HS-12-M-M22M-B-W66	57.76
	Female Thread according to DIN 3852-2-A - ISO 6149-1 - ANSI B 1.20.3 - SAE J1926-1									
	G3/8"		67	64		15	HS10-1-IGF06	30,80	HS10-2-IGF06	28,80
			2.64	2.52		.59	QRC-HS-12-F-G06-BT-W66	67.90	QRC-HS-12-M-G06-B-W66	63.49
	G1/2"		67	64		15	HS10-1-IGF08	31,90	HS10-2-IGF08	29,90
			2.64	2.52		.59	QRC-HS-12-F-G08-BT-W66	70.33	QRC-HS-12-M-G08-B-W66	65,92
	M18x1,5		67	64		15	HS10-1-IMF18	30,20	HS10-2-IMF18	28,20
			2.64	2.52		.59	QRC-HS-12-F-M18OR-BT-W66	66.58	QRC-HS-12-M-M18OR-B-W66	62.17
	M22x1,5		67	64		15	HS10-1-IMF22	29,20	HS10-2-IMF22	26,60
			2.64	2.52		.59	QRC-HS-12-F-M22OR-BT-W66	64.37	QRC-HS-12-M-M22OR-B-W66	58.64
	NPTF 1/2" -14		70	67			HS10-1-INF08	29,60	HS10-2-INF08	27,40
			2.76	2.64			QRC-HS-12-F-NF08-BT-W66	65.26	QRC-HS-12-M-NF08-B-W66	60.41
	UNF 7/8" -14		73	70		18	HS10-1-IUF10	29,20	HS10-2-IUF10	27
			2.87	2.76		.71	QRC-HS-12-F-U10-BT-W66	64.37	QRC-HS-12-M-U10-B-W66	59.52

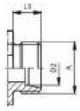
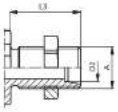
HS

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.



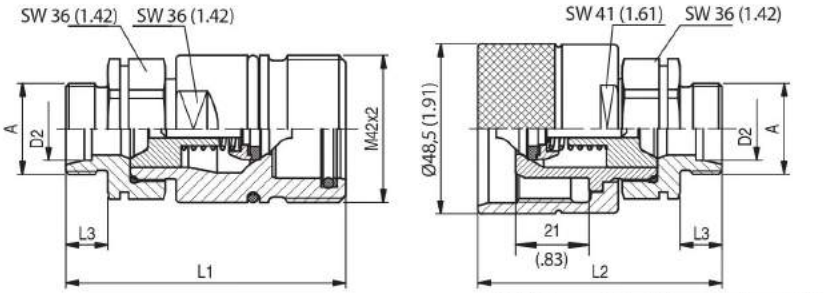
SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1,5	8L	64	61	10		HS10-1-L0814	26,40	HS10-2-L0814	25,40
			2.53	2.40	.39		QRC-HS-12-F-08L-BT-W66	58.20	QRC-HS-12-M-08L-B-W66	56.00
	M16x1,5	10L	65	62	11		HS10-1-L1016	27,70	HS10-2-L1016	25,70
			2.57	2.44	.43		QRC-HS-12-F-10L-BT-W66	61.07	QRC-HS-12-M-10L-B-W66	56.66
	M18x1,5	12L	65	62	11		HS10-1-L1218	27,80	HS10-2-L1218	25,80
			2.57	2.44	.43		QRC-HS-12-F-12L-BT-W66	61.29	QRC-HS-12-M-12L-B-W66	56.88
	M22x1,5	15L	66	63	12		HS10-1-L1522	28,40	HS10-2-L1522	26,40
			2.61	2.48	.47		QRC-HS-12-F-15L-BT-W66	62.61	QRC-HS-12-M-15L-B-W66	58.20
	M26x1,5	18L	66	63	12		HS10-1-L1826	28,40	HS10-2-L1826	26,40
			2.61	2.48	.47		QRC-HS-12-F-18L-BT-W66	62.61	QRC-HS-12-M-18L-B-W66	58.20
	M18x1,5	10S	66	63	12		HS10-1-S1018	28,40	HS10-2-S1018	26,40
			2.61	2.48	.47		QRC-HS-12-F-10S-BT-W66	62.61	QRC-HS-12-M-10S-B-W66	58.20
	M20x1,5	12S	66	63	12		HS10-1-S1220	28,40	HS10-2-S1220	26,40
			2.61	2.48	.47		QRC-HS-12-F-12S-BT-W66	62.61	QRC-HS-12-M-12S-B-W66	58.20
	M22x1,5	14S	68	65	14		HS10-1-S1422	29,20	HS10-2-S1422	27,20
			2.69	2.56	.55		QRC-HS-12-F-14S-BT-W66	64.37	QRC-HS-12-M-10S-B-W66	59.97
	M24x1,5	16S	68	65	14		HS10-1-S1624	29,20	HS10-2-S1624	27,20
			2.69	2.56	.55		QRC-HS-12-F-16S-BT-W66	64.37	QRC-HS-12-M-16S-B-W66	59.97
	M30x2	20S	70	67	16		HS10-1-S2030	28,40	HS10-2-S2030*	25,70
			2.76	2.64	.63		QRC-HS-12-F-20S-BT-W66	62.61	QRC-HS-12-M-20S-B-W66	56.66
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M14x1,5	08L	80	77	26		HS10-1-N0814	28,60	HS10-2-N0814	26,20
			3.16	3.03	1.02		QRC-HS-12-F-08LB-BT-W66	63.05	QRC-HS-12-M-08LB-B-W66	57.76
	M16x1,5	10L	80	77	26		HS10-1-N1016	30,70	HS10-2-N1016	27,50
			3.16	3.03	1.02		QRC-HS-12-F-10LB-BT-W66	67.68	QRC-HS-12-M-10LB-B-W66	60.63
	M18x1,5	12L	84	81	30		HS10-1-N1218	30,60	HS10-2-N1218	26,80
			3.31	3.19	1.18		QRC-HS-12-F-12LB-BT-W66	67.46	QRC-HS-12-M-12LB-B-W66	59.08
	M22x1,5	15L	81	78	27		HS10-1-N1522	31,40	HS10-2-N1522	28,20
			3.20	3.07	1.06		QRC-HS-12-F-15LB-BT-W66	69.23	QRC-HS-12-M-15LB-B-W66	62.17
	M26x1,5	18L	81	78	27		HS10-1-N1826	36,60	HS10-2-N1826	34,60
			3.20	3.07	1.06		QRC-HS-12-F-18LB-BT-W66	80.69	QRC-HS-12-M-18LB-B-W66	76.28
	M18x1,5	10S	80	77	26		HS10-1-T1018	30,70	HS10-2-T1018	28
			3.16	3.03	1.02		QRC-HS-12-F-10SB-BT-W66	67.68	QRC-HS-12-M-10SB-B-W66	61.73
	M20x1,5	12S	81	78	27		HS10-1-T1220	31,20	HS10-2-T1220	28,80
			3.20	3.07	1.06		QRC-HS-12-F-12SB-BT-W66	68.78	QRC-HS-12-M-12SB-B-W66	63.49
	M22x1,5	14S	83	80	29		HS10-1-T1422	32,80	HS10-2-T1422	30,40
			3.28	3.15	1.14		QRC-HS-12-F-14SB-BT-W66	72.31	QRC-HS-12-M-14SB-B-W66	67.02
	M24x1,5	16S	83	80	29		HS10-1-T1624	34,20	HS10-2-T1624	31,60
			3.28	3.15	1.14		QRC-HS-12-F-16SB-BT-W66	75.40	QRC-HS-12-M-16SB-B-W66	69.67

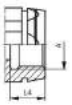
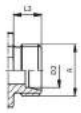
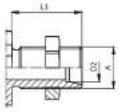
HS

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.



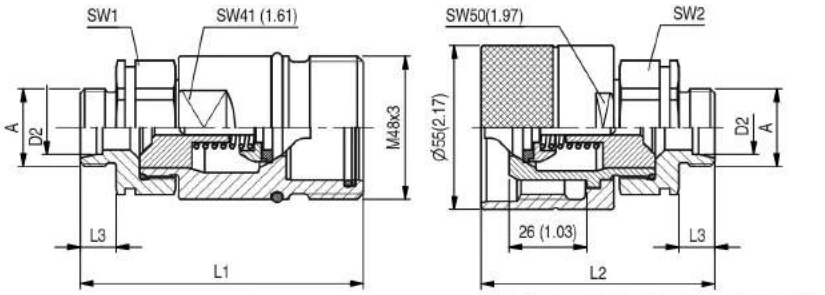
SW: Width across flats. All dimensions in mm (inch).

Series HS-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3									
	G1/2"		86	75		19	HS12-1-IGF08	52,60	HS12-2-IGF08	50,40
			3.39	2.95		.75	QRC-HS-19-F-G08-BT-W66	115.96	QRC-HS-19-M-G08-B-W66	111.11
	G3/4"		86	75		19	HS12-1-IGF12	63,60	HS12-2-IGF12	47,60
			3.39	2.95		.75	QRC-HS-19-F-G12-BT-W66	140.21	QRC-HS-19-M-G12-B-W66	104.94
	M22x1,5		86	75		19	HS12-1-IMF22	55	HS12-2-IMF22	49
			3.39	2.95		.75	QRC-HS-19-F-M22-BT-W66	121.25	QRC-HS-19-M-M22-B-W66	108.03
	NPTF 3/4" -14		86	75			HS12-1-INF12	55	HS12-2-INF12	47,60
			3.39	2.95			QRC-HS-19-F-NF12-BT-W66	121.25	QRC-HS-19-M-NF12-B-W66	104.94
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M18x1,5	12L	79	69	11		HS12-1-L1218	46	HS12-2-L1218	40,80
			3.11	2.72	.43		QRC-HS-19-F-12L-BT-W66	101.41	QRC-HS-19-M-12L-B-W66	89.95
	M22x1,5	15L	80	70	12		HS12-1-L1522	46,60	HS12-2-L1522	41,30
			3.15	2.76	.47		QRC-HS-19-F-15L-BT-W66	102.74	QRC-HS-19-M-15L-B-W66	91.05
	M26x1,5	18L	80	70	12		HS12-1-L1826	47,90	HS12-2-L1826	41,90
			3.15	2.76	.47		QRC-HS-19-F-18L-BT-W66	105.60	QRC-HS-19-M-18L-B-W66	92.37
	M30x2	22L	82	72	14		HS12-1-L2230	49,20	HS12-2-L2230	43,10
			3.23	2.83	.55		QRC-HS-19-F-22L-BT-W66	108.47	QRC-HS-19-M-22L-B-W66	95.02
	M24x1,5	16S	82	72	14		HS12-1-S1624	47,40	HS12-2-S1624	40,20
			3.23	2.83	.55		QRC-HS-19-F-16S-BT-W66	104.50	QRC-HS-19-M-16S-B-W66	88.63
	M30x2	20S	84	74	16		HS12-1-S2030	50	HS12-2-S2030	44
			3.31	2.91	.63		QRC-HS-19-F-20S-BT-W66	110.23	QRC-HS-19-M-20S-B-W66	97
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M18x1,5	12L	94	84	26		HS12-1-N1218	48,80	HS12-2-N1218	42,20
			3.70	3.31	1.02		QRC-HS-19-F-12LB-BT-W66	107.59	QRC-HS-19-M-12LB-B-W66	93.04
	M22x1,5	15L	95	85	27		HS12-1-N1522	51	HS12-2-N1522	43,80
			3.74	3.35	1.06		QRC-HS-19-F-15LB-BT-W66	112.44	QRC-HS-19-M-15LB-B-W66	96.56
	M26x1,5	18L	95	85	27		HS12-1-N1826	55,70	HS12-2-N1826	47,50
			3.74	3.35	1.06		QRC-HS-19-F-18LB-BT-W66	122.80	QRC-HS-19-M-18LB-B-W66	104.72
	M30x2	22L	104	94	36		HS12-1-N2230	59,40	HS12-2-N2230	52,40
			4.09	3.70	1.42		QRC-HS-19-F-22LB-BT-W66	130.95	QRC-HS-19-M-22LB-B-W66	115.52
	M24x1,5	16S	97	87	29		HS12-1-T1624	53,40	HS12-2-T1624	46,20
			3.82	3.43	1.14		QRC-HS-19-F-16SB-BT-W66	117.73	QRC-HS-19-M-16SB-B-W66	101.85
	M30x2	20S	104	94	36		HS12-1-T2030	62,40	HS12-2-T2030	56,50
			4.09	3.70	1.42		QRC-HS-19-F-20SB-BT-W66	137.57	QRC-HS-19-M-20SB-B-W66	124.56

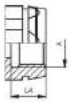
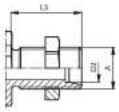
HS

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.

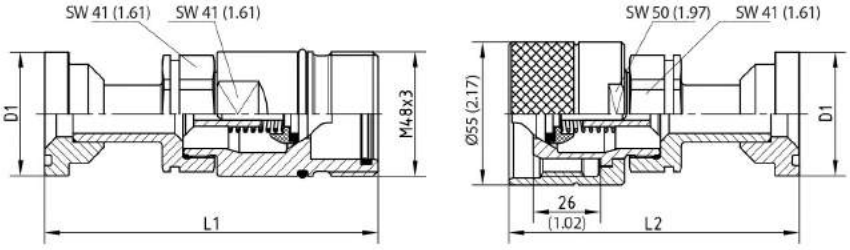


SW: Width across flats. All dimensions in mm (inch).

Series HS-25 • BG 8 • Nominal Size 25

	Port A		Dimensions (mm/in)						Female Body	Weight	Male Tip	Weight
									Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(g/lbs) ca.
			ØD2	L1	L2	L3	L4	SW1	SW2	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3												
	G3/4"			98	81		19	41	41	HS20-1-IGF12	78,10	HS20-2-IGF12	68.80
				3.86	3.19		.75	1.61	1.61	QRC-HS-25-F-G12-BT-W66	172.18	QRC-HS-25-M-G12-B-W66	151.68
	G1"			98	81		19	41	41	HS20-1-IGF16	73,80	HS20-2-IGF16	64,50
				3.86	3.19		.75	1.61	1.61	QRC-HS-25-F-G16-BT-W66	162.70	QRC-HS-25-M-G16-B-W66	142.20
	NPTF 1" -11 1/2			98	81			41	41	HS20-1-INF16	78	HS20-2-INF16	60,10
				3.86	3.19			1.61	1.61	QRC-HS-25-F-NF16-BT-W66	171.96	QRC-HS-25-M-NF16-B-W66	132.50
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861												
	M26x1,5	18L		95	78	12		41	41	HS20-1-L1826	70,90	HS20-2-L1826	61,60
				3.74	3.07	.47		1.61	1.61	QRC-HS-25-F-18L-BT-W66	156.31	QRC-HS-25-M-18L-B-W66	135.80
	M30x2	22L		97	80	14		41	41	HS20-1-L2230	71,50	HS20-2-L2230	62,20
				3.82	3.15	.55		1.61	1.61	QRC-HS-25-F-22L-BT-W66	157.63	QRC-HS-25-M-22L-B-W66	137.13
	M36x2	28L		97	80	14		41	41	HS20-1-L2836	72	HS20-2-L2836	67,20
				3.82	3.15	.55		1.61	1.61	QRC-HS-25-F-28L-BT-W66	158.73	QRC-HS-25-M-28L-B-W66	148.15
	M45x2	35L		99	82	16		46	46	HS20-1-L3545	80,50	HS20-2-L3545	71,30
				3.90	3.23	.63		1.81	1.81	QRC-HS-25-F-35L-BT-W66	177.47	QRC-HS-25-M-35L-B-W66	157.19
	M30x2	20S		99	82	16		41	41	HS20-1-S2030	73,10	HS20-2-S2030	63,90
				3.90	3.23	.63		1.61	1.61	QRC-HS-25-F-20S-BT-W66	161.16	QRC-HS-25-M-20S-B-W66	140.88
	M36x2	25S		101	84	18		41	41	HS20-1-S2536	75,30	HS20-2-S2536	66
				3.98	3.31	.71		1.61	1.61	QRC-HS-25-F-25S-BT-W66	166.01	QRC-HS-25-M-25S-B-W66	145.51
	M42x2	30S		103	86	20		41	41	HS20-1-S3042	87,10	HS20-2-S3042	65
				4.06	3.39	.79		1.61	1.61	QRC-HS-25-F-30S-BT-W66	192.02	QRC-HS-25-M-30S-B-W66	143.30
	M52x2	38S		105	88	22		55	55	HS20-1-S3852	108	HS20-2-S3852	90,10
				4.13	3.46	.87		2.17	2.17	QRC-HS-25-F-38S-BT-W66	238.10	QRC-HS-25-M-38S-B-W66	198.64
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861												
	M22x1,5	15L		110	93	27		41	41	HS20-1-N1522	82	HS20-2-N1522	62
				4.33	3.66	1.06		1.61	1.61	QRC-HS-25-F-15LB-BT-W66	180.78	QRC-HS-25-M-15LB-B-W66	136.69
	M26x1,5	18L		115	98	32		41	41	HS20-1-N1826	76,60	HS20-2-N1826	63.80
				4.53	3.86	1.26		1.61	1.61	QRC-HS-25-F-18LB-BT-W66	168.87	QRC-HS-25-M-18LB-B-W66	140.65
	M30x2	22L		117	100	34		41	41	HS20-1-N2230	86,10	HS20-2-N2230	65
				4.61	3.94	1.34		1.61	1.61	QRC-HS-25-F-22LB-BT-W66	189.82	QRC-HS-25-M-22LB-B-W66	143.30
	M36x2	28L		117	100	34		41	41	HS20-1-N2836	89,90	HS20-2-N2836	69
				4.61	3.94	1.34		1.61	1.61	QRC-HS-25-F-28LB-BT-W66	198.20	QRC-HS-25-M-28LB-B-W66	152.12
	M30x2	20S		121	104	38		41	41	HS20-1-T2030	94	HS20-2-T2030	70.60
				4.76	4.09	1.50		1.61	1.61	QRC-HS-25-F-20SB-BT-W66	207.23	QRC-HS-25-M-20SB-B-W66	155.65
	M36x2	25S		121	104	38		41	41	HS20-1-T2536	94,70	HS20-2-T2536	74
				4.76	4.09	1.50		1.61	1.61	QRC-HS-25-F-25SB-BT-W66	208.78	QRC-HS-25-M-25SB-B-W66	163.14
	M42x2	30S		123	106	40		46	46	HS20-1-T3042	104	HS20-2-T3042	85
				4.84	4.17	1.57		1.81	1.81	QRC-HS-25-F-30SB-BT-W66	229.28	QRC-HS-25-M-30SB-B-W66	187.39
	M52x2	38S		123	106	40		55	55	HS20-1-T3852	140,40	HS20-2-T3852	85
				4.84	4.17	1.57		2.17	2.17	QRC-HS-25-F-38SB-BT-W66	309.53	QRC-HS-25-M-38SB-B-W66	187.39

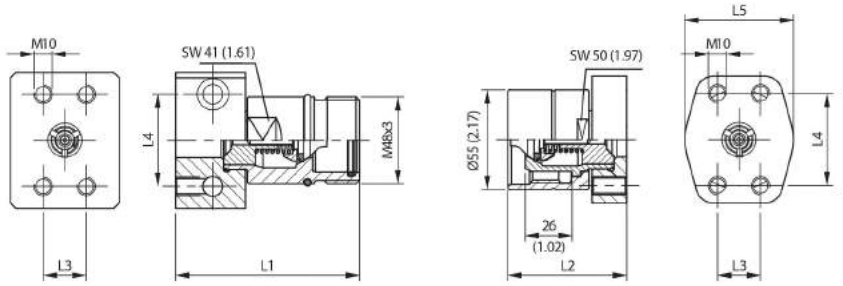
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

Series HS-25 ▪ BG 8 ▪ Nominal Size 25

Flange	Dimensions (mm/in)						Female Body	Weight	Male Tip	Weight
							Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
	ØD1	L1	L2	L3	L4	L5	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
3/4"	41,3	127	110				HS20-1-AFS12	85,20	HS20-2-AFS12	76
		1.63	5.00				QRC-HS-25-F-FH612-BT-W66	187.83	QRC-HS-25-M-FH612-B-W66	167.55
1"	47,6	129	112				HS20-1-AFS16	93,20	HS20-2-AFS16	83,90
		1.87	5.08				QRC-HS-25-F-FH616-BT-W66	205.47	QRC-HS-25-M-FH616-B-W66	184.97

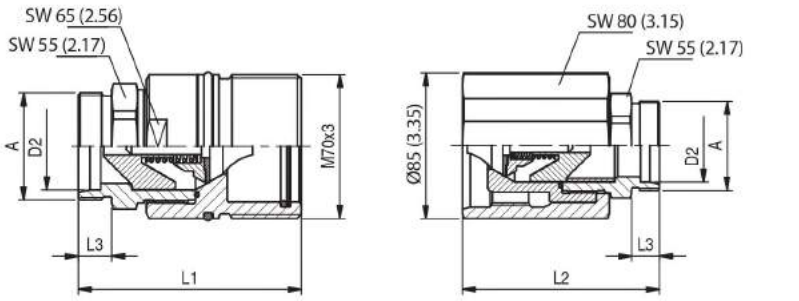


SW: Width across flats. All dimensions in mm (inch).

Flange	Dimensions (mm/in)						Female Body	Weight	Male Tip	Weight
							Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
	ØD2	L1	L2	L3	L4	L5	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
3/4"		102	65	23,8	50,8	60	HS20-1-X0010	163,10	HS20-2-X0011	87,70
		4.02	2.56	.94	2.00	2.36	QRC-HS-25-F-C612M-B-W66-700514	359.57	QRC-HS-25-M-C612M-B-W66	193.35

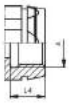
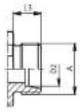
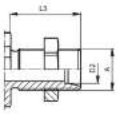
HS

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).

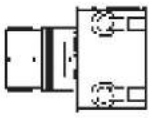
Series HS-38 ▪ BG 12 ▪ Nominal Size 38

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A / Innengewinde DIN 3852-2-A									
	G 1" 1/4		125	131		29	HS25-1-IGF20	190.70	HS25-2-IGF20	276.60
			4.92	5.16		1.14	QRC-HS-38-F-G20-BT-W66	420.42	QRC-HS-38-M-G20-B-W66	609.80
	G 1" 1/2		127	134		31	HS25-1-IGF24	184.90	HS25-2-IGF24	270.80
			5.00	5.28		1.22	QRC-HS-38-F-G24-BT-W66	407.63	QRC-HS-38-M-G24-B-W66	597.01
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M45x2	35L	105	112	16		HS25-1-L3545	156	HS25-2-L3545	209
			4.11	4.39	.63		QRC-HS-38-F-35L-BT-W66	343.92	QRC-HS-38-M-35L-B-W66	460.77
	M52x2	42L	105	112	16		HS25-1-L4252	162	HS25-2-L4252	215
			4.11	4.39	.63		QRC-HS-38-F-42L-BT-W66	357.15	QRC-HS-38-M-42L-B-W66	473.99
	M42x2	30S	112	119	20		HS25-1-S3042	157,20	HS25-2-S3042	209,20
			4.41	4.69	.79		QRC-HS-38-F-30S-BT-W66	346.57	QRC-HS-38-M-30S-B-W66	461.21
	M52x2	38S	112	118	22		HS25-1-S3852	162,40	HS25-2-S3852	215,30
			4.41	4.65	.87		QRC-HS-38-F-38S-BT-W66	358.03	QRC-HS-38-M-38S-B-W66	474.66
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861									
	M45x2	35L	125	132	36		HS25-1-N3545	173	HS25-2-N3545	234
			4.90	5.18	1.42		QRC-HS-38-F-35LB-BT-W66	381.40	QRC-HS-38-M-35LB-B-W66	515.88
	M52x2	42L	129	132	36		HS25-1-N4252	172,50	HS25-2-N4252	233,50
			5.08	5.20	1.42		QRC-HS-38-F-42LB-BT-W66	380.30	QRC-HS-38-M-42LB-B-W66	514.78
	M42x2	30S	133	140	40		HS25-1-T3042	182,40	HS25-2-T3042	268,30
			5.24	5.51	1.57		QRC-HS-38-F-30SB-BT-W66	402.12	QRC-HS-38-M-30SB-B-W66	591.50
	M52x2	38S	132	139	40		HS25-1-T3852	173	HS25-2-T3852	279,30
			5.20	5.47	1.57		QRC-HS-38-F-38SB-BT-W66	381.40	QRC-HS-38-M-38SB-B-W66	615.75

HS

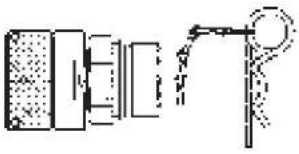
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

1



The mating flange shown on page 53 is also available for the screw-type carrier Type HS-12, size 1/2", 410 bar (6000 PSI).

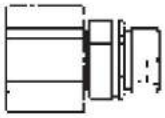
2



Screw-type probes of the types HS-25 and HS-38 are available with a safety clamp which prevents inadvertent release of the coupling connection even under strong hydraulic impulses or vibrations.

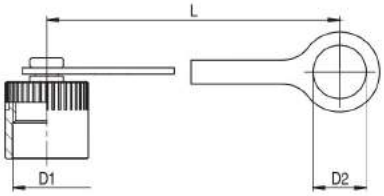
Also possible for Series RK/RH on request.

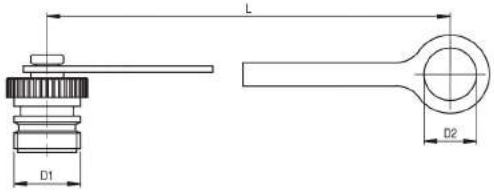
3



In special cases users may desire a screw-type sleeve which offers better accessibility for a spanner. For this purpose, a sleeve made from 55 mm (2.17 in) hexagonal material is available.

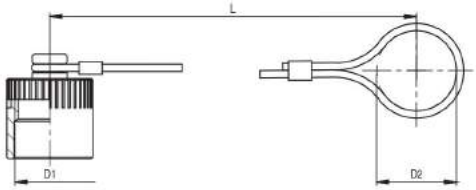
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

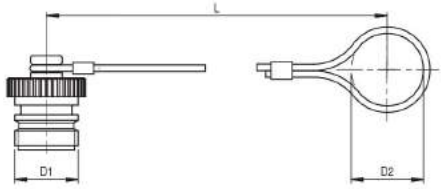




Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2	19	180	Plastic (Colour: Red)	HS04-0-RT001
	.75	7.09		QRC-HS-06-DF-19-K-RD
M28x2	23	180	Plastic (Colour: Red)	HS08-0-RT001
	.91	7.09		QRC-HS-10-DF-23-K-RD
M36x2	29,5	185	Plastic (Colour: Red)	HS10-0-RT001
	1.16	7.28		QRC-HS-12-DF-30-K-RD
M42x2	36,5	190	Plastic (Colour: Red)	HS12-0-RT001
	1.44	7.48		QRC-HS-19-DF-37-K-RD
M48x3	41	190	Plastic (Colour: Red)	HS20-0-RT001
	1.61	7.48		QRC-HS-25-DF-41-K-RD
M70x3	55	201	Plastic (Colour: Red)	HS25-0-RT001
	2.17	7.91		QRC-HS-38-DF-55-K-RD

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2	19	180	Plastic (Colour: Red)	HS04-9-RT001
	.75	7.09		QRC-HS-06-DM-19-K-RD
M28x2	23	180	Plastic (Colour: Red)	HS08-9-RT001
	.91	7.09		QRC-HS-10-DM-23-K-RD
M36x2	29,5	185	Plastic (Colour: Red)	HS10-9-RT001
	1.16	7.28		QRC-HS-12-DM-30-K-RD
M42x2	36,5	190	Plastic (Colour: Red)	HS12-9-RT001
	1.44	7.48		QRC-HS-19-DM-37-K-RD
M48x3	41	190	Plastic (Colour: Red)	HS20-9-RT001
	1.61	7.48		QRC-HS-25-DM-41-K-RD
M70x3	55	201	Plastic (Colour: Red)	HS25-9-RT001
	2.17	7.91		QRC-HS-38-DM-55-K-RD





Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2			Aluminium with steel cable	HS04-0-SI001
				QRC-HS-06-DF-19-W89-SI
M28x2			Aluminium with steel cable	HS08-0-SI001
				QRC-HS-10-DF-23-W89-SI
M36x2			Aluminium with steel cable	HS10-0-SI001
				QRC-HS-12-DF-30-W89-SI
M42x2			Aluminium with steel cable	HS12-0-SI001
				QRC-HS-19-DF-37-W89-SI
M48x3			Aluminium with steel cable	HS20-0-SI001
				QRC-HS-25-DF-41-W89-SI
M70x3			Aluminium with steel cable	HS25-0-SI001
				QRC-HS-38-DF-55-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2			Aluminium with steel cable	HS04-9-SI001
				QRC-HS-06-DM-19-W89-SI
M28x2			Aluminium with steel cable	HS08-9-SI001
				QRC-HS-10-DM-23-W89-SI
M36x2			Aluminium with steel cable	HS10-9-SI001
				QRC-HS-12-DM-30-W89-SI
M42x2			Aluminium with steel cable	HS12-9-SI001
				QRC-HS-19-DM-37-W89-SI
M48x3			Aluminium with steel cable	HS20-9-SI001
				QRC-HS-25-DM-41-W89-SI
M70x3			Aluminium with steel cable	HS25-9-SI001
				QRC-HS-38-DM-55-W89-SI

HS

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

Series HS ▪ 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	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip/Female Body up to 33% of the Working Pressure with Tools
Application	Agricultural and Forestry Machinery, Construction Machinery, Industrial Hydraulic
ISO Interchange	ISO 14541 (BG 1-6)

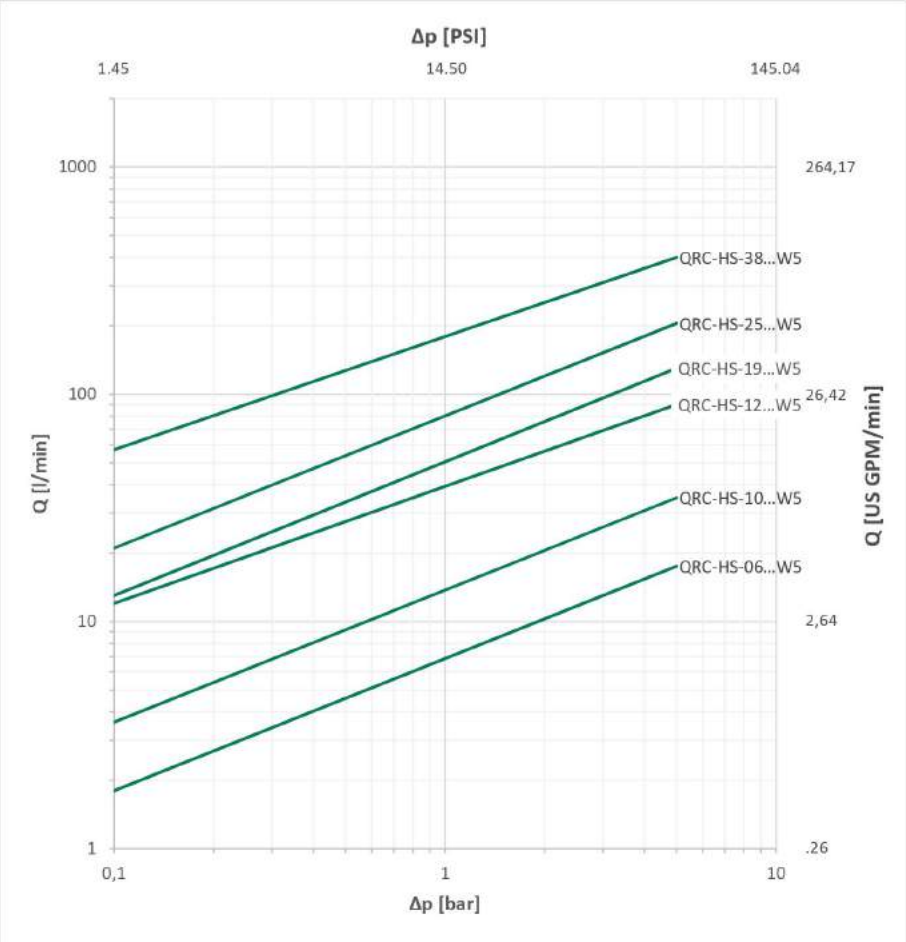
[2] Alternative seal materials are available on request.

Technical Data

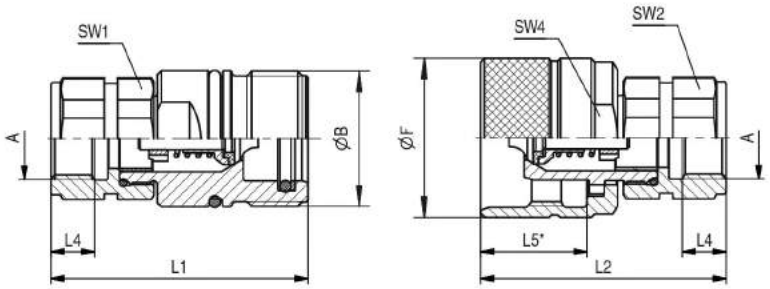
Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Female Body bar	Female Body PSI	Male Tip bar	Male Tip PSI	Spillage ml	Spillage fl oz
HS-06	1	1/4"	6,3	17	4.49	300	4351	1200	17404	1200	17404	1200	17404	0,8	.0271
HS-10	2	3/8"	10	30	7.92	250	3626	1500	21756	1400	20305	1000	14504	1,9	.0642
HS-12	3	1/2"	12,5	80	21.13	250	3626	1800	26107	1800	26107	1100	15954	2,7	.0913
HS-19	6	3/4"	19 (20)	106	28.00	150	2175	1700	24657	700	10153	600	8702	9,3	.3145
HS-25	8	1"	25	189	49.93	150	2175	1200	17404	600	8702	600	8702	16	.5410
HS-38	12	1 1/2"	38	350	92.46	100	1450	400	5801	400	5801	400	5801	30	1.0144

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

Flow Characteristics

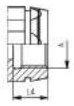


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

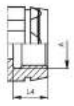


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HS-12.
* Insertion Female Body.

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

	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 1/4"	M24x2	30	59,1	58	12	25,1	19	19	27	HS06-1-IGF04-VA	12,20	HS06-2-IGF04-VA	13
			1.18	2.33	2.28	.47	.99	.75	.75	1.06	QRC-HS-06-F-G04-VT-W5	26.90	QRC-HS-06-M-G04-V-W5	28.66

Series HS-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 3/8"	M28x2	34	64,5	62	12	26,5	22	22	30	HS10-1-IGF06-VA	16,30	HS10-2-IGF06-VA	17,40
			1.34	2.54	2.44	.47	1.04	.87	.87	1.18	QRC-HS-10-F-G06-VT-W5	35.94	QRC-HS-10-M-G06-V-W5	38.36

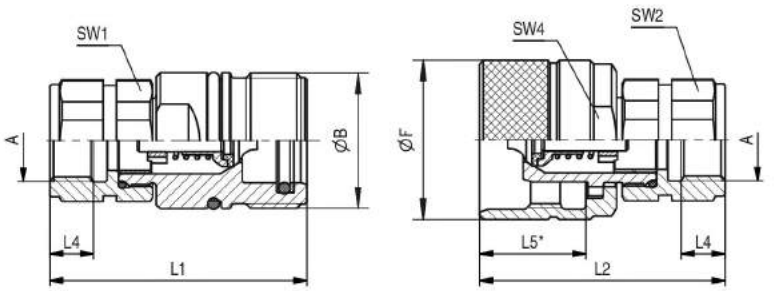
Series HS-12 ▪ BG 3 ▪ Nominal Size 12,5

	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 3/8"	M36x2	41,8	67	63	12	28	30	30	38	HS12-1-IGF06-VA	33,10	HS12-2-IGF06-VA	30,50
			1.64	2.64	2.48	.47	1.1	1.18	1.18	1.49	QRC-HS-12-F-G06-VT-W5	72.97	QRC-HS-12-M-G06-V-W5	67.24
	G 1/2"	M36x2	41,8	67	63	12	28	30	30	38	HS12-1-IGF08-VA	31,20	HS12-2-IGF08-VA	28,10
			1.64	2.64	2.48	.47	1.1	1.18	1.18	1.49	QRC-HS-12-F-G08-VT-W5	68.78	QRC-HS-12-M-G08-V-W5	61.95

Series HS-19 ▪ BG 6 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 3/4"	M42x2	48	82	75	16	21	36	36	41	HS19-1-IGF12-VA	51,10	HS19-2-IGF12-VA	44,10
			1.89	3.23	2.95	.63	.83	1.42	1.42	1.61	QRC-HS-19-F-G12-VT-W5	112.66	QRC-HS-19-M-G12-V-W5	97.22

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 HS-12.
* Insertion Female Body.

Series HS-25 ▪ BG 8 ▪ Nominal Size 25

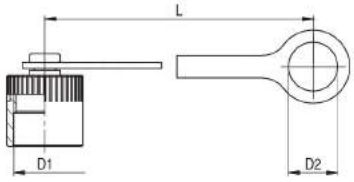
	Port A	Dimensions (mm/in)									Female Body	Weight	Male Tip	Weight
											Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852													
	G 3/4"	M48x3	55	95	78,5	16	35,5	41	16	50	HS25-1-IGF12-VA	74,80	HS25-2-IGF12-VA	65,10
			2.16	3.74	3.09	.63	1.40	1.61	.63	1.97	QRC-HS-25-F-G12-VT-W5	164.91	QRC-HS-25-M-G12-V-W5	143.52
	G 1"	M48x3	55	95	78,5	18	35,5	41	18	50	HS25-1-IGF16-VA	71,30	HS25-2-IGF16-VA	61,50
			2.16	3.74	3.09	.71	1.40	1.61	.71	1.97	QRC-HS-25-F-G16-VT-W5	157.19	QRC-HS-25-M-G16-V-W5	135.58

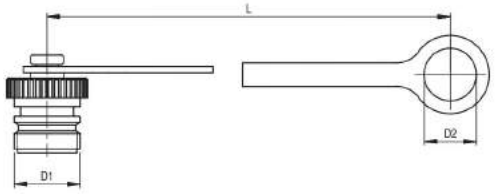
Series HS-38 ▪ BG 12 ▪ Nominal Size 38

	Port A	Dimensions (mm/in)									Female Body	Weight	Male Tip	Weight
											Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW4	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852													
	G 1 1/4"	M70x3	80	116	121	20	44	60	20	65	HS38-1-IGF20-VA	180,20	HS38-2-IGF20-VA	235
			3.12	4.57	4.76	.79	1.73	2.36	.79	2.56	QRC-HS-38-F-G20-VT-W5	397.27	QRC-HS-38-M-G20-V-W5	518.09
	G 1 1/2"	M70x3	80	116	121	22	44	60	22	65	HS38-1-IGF24-VA	173	HS38-2-IGF24-VA	227,80
			3.12	4.57	4.76	.87	1.73	2.36	.87	2.56	QRC-HS-38-F-G24-VT-W5	381.40	QRC-HS-38-M-G24-V-W5	502,21

HS

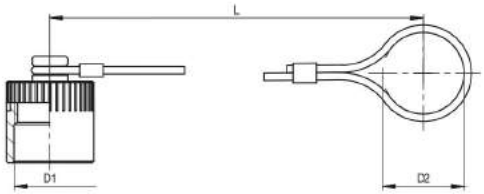
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

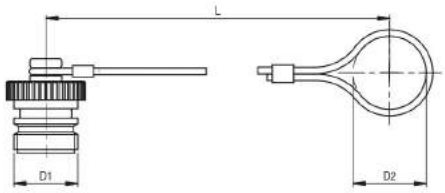




Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2	19	180	Plastic (Colour: Red)	HS04-0-RT001
	.75	7.09		QRC-HS-06-DF-19-K-RD
M28x2	23	180	Plastic (Colour: Red)	HS08-0-RT001
	.91	7.09		QRC-HS-10-DF-23-K-RD
M36x2	29,5	185	Plastic (Colour: Red)	HS10-0-RT001
	1.16	7.28		QRC-HS-12-DF-30-K-RD
M42x2	36,5	190	Plastic (Colour: Red)	HS12-0-RT001
	1.44	7.48		QRC-HS-19-DF-37-K-RD
M48x3	41	190	Plastic (Colour: Red)	HS20-0-RT001
	1.61	7.48		QRC-HS-25-DF-41-K-RD
M70x3	55	201	Plastic (Colour: Red)	HS25-0-RT001
	2.17	7.91		QRC-HS-38-DF-55-K-RD

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2	19	180	Plastic (Colour: Red)	HS04-9-RT001
	.75	7.09		QRC-HS-06-DM-19-K-RD
M28x2	23	180	Plastic (Colour: Red)	HS08-9-RT001
	.91	7.09		QRC-HS-10-DM-23-K-RD
M36x2	29,5	185	Plastic (Colour: Red)	HS10-9-RT001
	1.16	7.28		QRC-HS-12-DM-30-K-RD
M42x2	36,5	190	Plastic (Colour: Red)	HS12-9-RT001
	1.44	7.48		QRC-HS-19-DM-37-K-RD
M48x3	41	190	Plastic (Colour: Red)	HS20-9-RT001
	1.61	7.48		QRC-HS-25-DM-41-K-RD
M70x3	55	201	Plastic (Colour: Red)	HS25-9-RT001
	2.17	7.91		QRC-HS-38-DM-55-K-RD





Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2			Aluminium with steel cable	HS04-0-SI001
				QRC-HS-06-DF-19-W89-SI
M28x2			Aluminium with steel cable	HS08-0-SI001
				QRC-HS-10-DF-23-W89-SI
M36x2			Aluminium with steel cable	HS10-0-SI001
				QRC-HS-12-DF-30-W89-SI
M42x2			Aluminium with steel cable	HS12-0-SI001
				QRC-HS-19-DF-37-W89-SI
M48x3			Aluminium with steel cable	HS20-0-SI001
				QRC-HS-25-DF-41-W89-SI
M70x3			Aluminium with steel cable	HS25-0-SI001
				QRC-HS-38-DF-55-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M24x2			Aluminium with steel cable	HS04-9-SI001
				QRC-HS-06-DM-19-W89-SI
M28x2			Aluminium with steel cable	HS08-9-SI001
				QRC-HS-10-DM-23-W89-SI
M36x2			Aluminium with steel cable	HS10-9-SI001
				QRC-HS-12-DM-30-W89-SI
M42x2			Aluminium with steel cable	HS12-9-SI001
				QRC-HS-19-DM-37-W89-SI
M48x3			Aluminium with steel cable	HS20-9-SI001
				QRC-HS-25-DM-41-W89-SI
M70x3			Aluminium with steel cable	HS25-9-SI001
				QRC-HS-38-DM-55-W89-SI

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

Series PS • Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	HNBR, FKM (Viton®), PTFE [2]
Working Temperature	-20° C ... +100° C / -4° F ... +212° F
Valve Design	Poppet Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	not allowed
Application	Construction Machinery
ISO Interchange	-

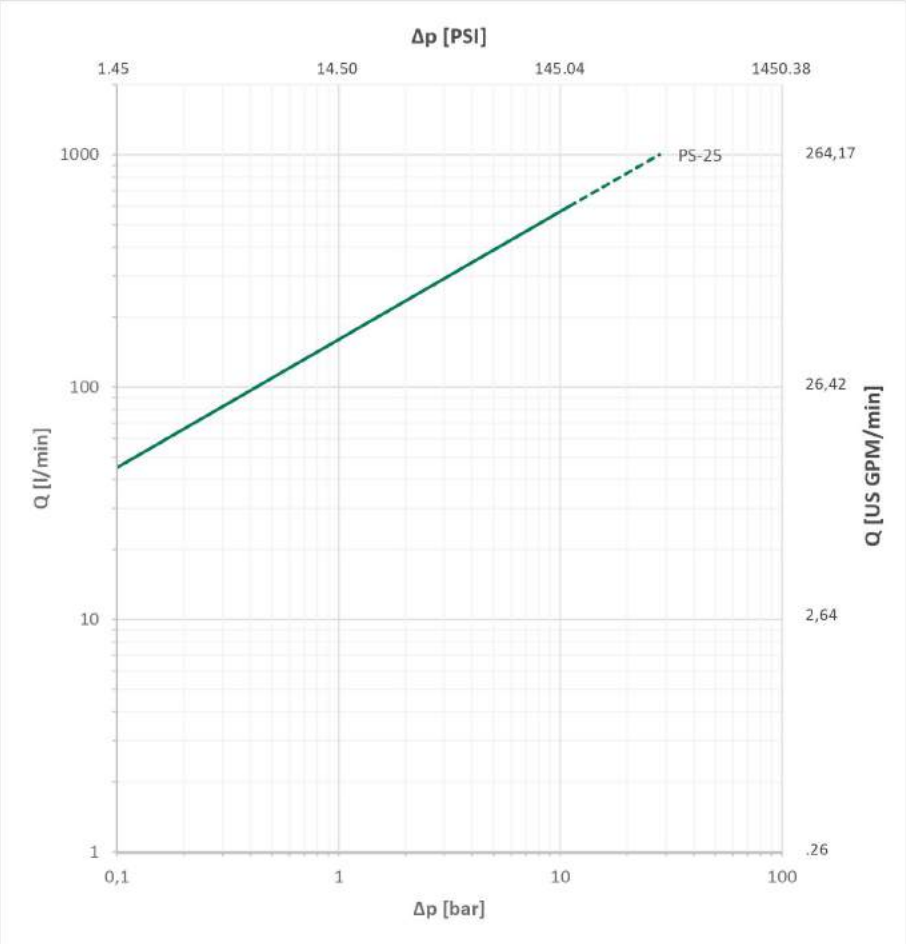
[2] Alternative seal materials are available on request.

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	US GPM	Working Pressure bar	PSI	Bursting Pressure Connected bar	PSI	Female Body bar	PSI	Male Tip bar	PSI	Spillage ml	fl oz
PS-25	10	1 1/4"	31,5	600 (1000)*	158.50	380	5511	1520	22046	1520	22046	1520	22046	27	.9130

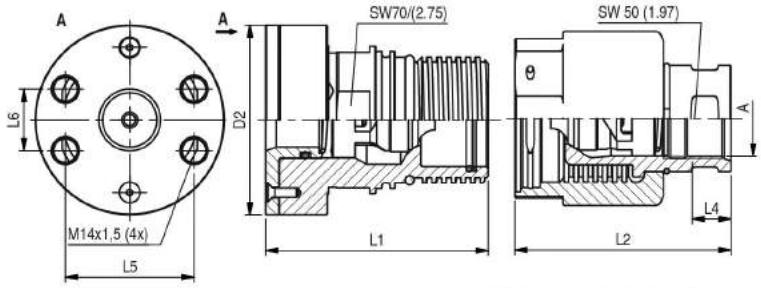
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.
* short term possible

Flow Characteristics



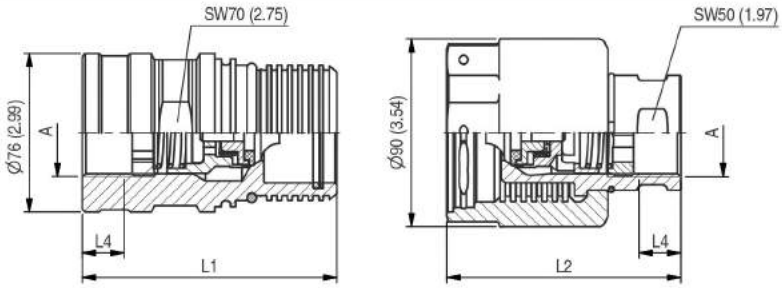
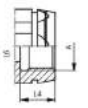
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

PS



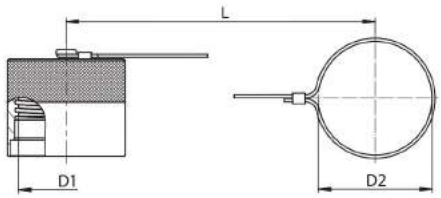
SW: Width across flats. All dimensions in mm (inch).

Series PS-25 ▪ BG 10 ▪ Nominal Size 31,5

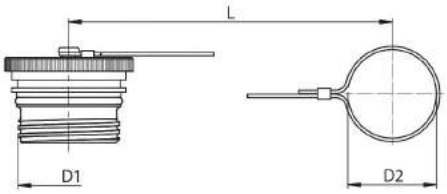
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	L5	L6	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (lb/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (lb/lbs) ca. per 100
	Flange SAE 6000 PSI											
	1" 1/4	98	115,5				66,7	31,8	PS31-1-AFS32	300,40		
			3.86	4.55			2,62	1.24	QRC-PS-25-F-C620M-S3-W3	662.27		
												
	Female Thread according to SAE J1926-14											
	UN 1" 5/8 -12			112		19					PS-25-2-IUF20	262,60
				4.41		.75					QRC-PS-25-M-U20-HB-W3	578.93
	Female Thread according to DIN 3852-2-A											
	G 1" 1/4	76	122	112		21,5			PS31-1-IGF20	244	PS31-2-IGF20	255.90
		2.99	4.80	4.41		.85			QRC-PS-25-F-G20-S3-W3	537.93	QRC-PS-25-M-G20-HB-W3	564.16

PS

Series PS ▪ Dust Protection



Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Female Body Old Part Numbers / STAUFF Ordering Codes
So. 65x5	80	280	Aluminium silver with steel cable	PS31-0-SI001
	3.15	11.02		QRC-PS-25-DF-80-W89-SI



Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Male Tip Old Part Numbers / STAUFF Ordering Codes
So. 65x5	56	240	Aluminium silver with steel cable	PS31-9-SI001
	2.20	9.45		QRC-PS-25-DM-56-W89-SI

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 RH/RK • Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®), PTFE [2]
Working Temperature	-20° C ... +100° C / -4° F ... +212° F
Valve Design	Flat Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	Max. 20 bar / 290 PSI Residual Pressure with Tools allowed
Application	Construction Machinery
ISO Interchange	-

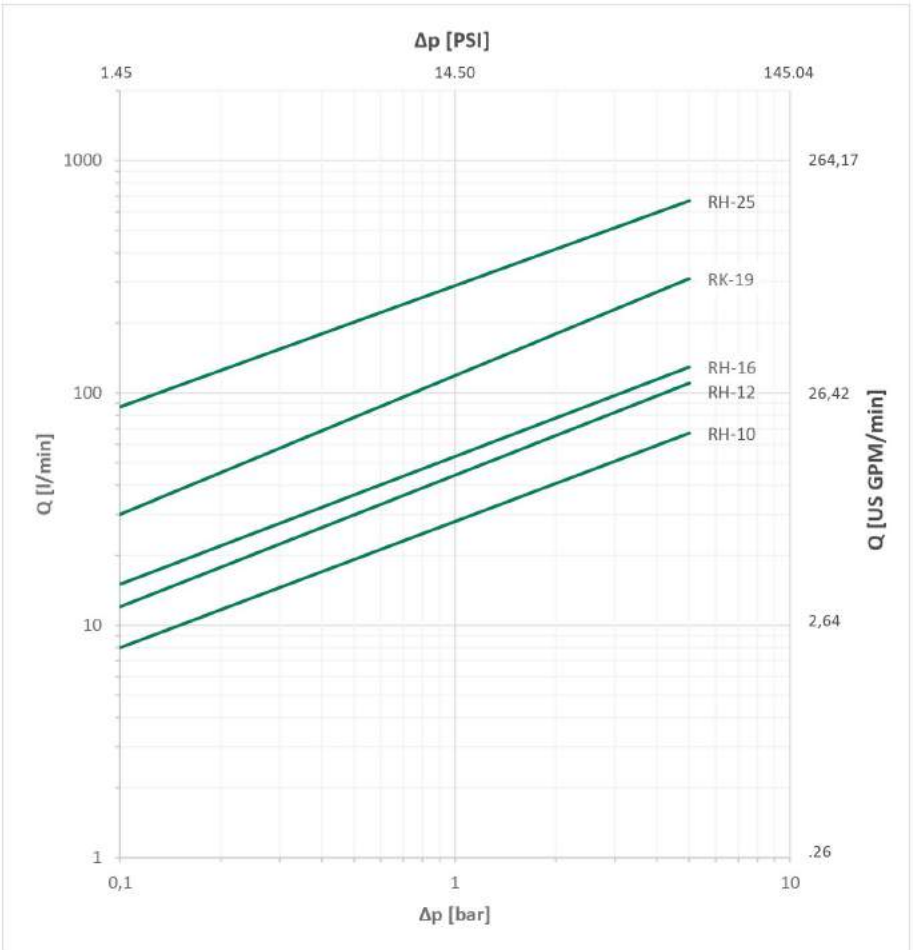
[2] Alternative seal materials are available on request.

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure* bar	Working Pressure* PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Female Body bar	Female Body PSI	Male Tip bar	Male Tip PSI	Spillage ml	Spillage fl oz
RH-10	2	3/8"	10	46	12.15	420	6092	1300	18855	1350	19580	1450	21030	0,1	.0034
RH-12	3	1/2"	12,5	90	23.78	420	6092	1260	18275	1260	18275	1260	18275	0,16	.0054
RH-16	4	5/8"	16	148	39.10	420	6092	1260	18275	1260	18275	1260	18275	1,02	.0344
RK-19	6	3/4"	19	200	52.83	350	5076	1000	14504	1000	14504	1200	17404	0,86	.0291
RH-25	8	1"	25	500	132.09	420	6092	1150	16679	1100	15954	900	13053	2,84	.0960

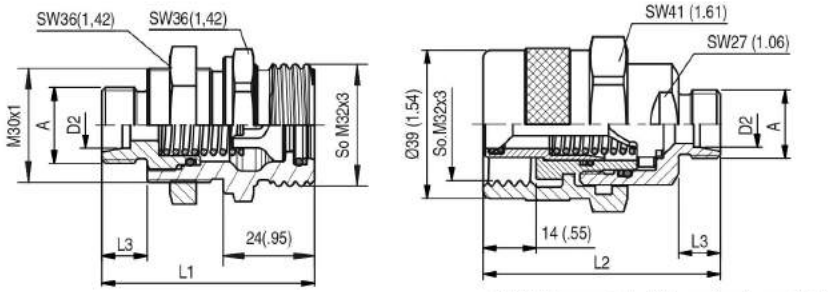
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.
* in connected and disconnected condition.

Flow Characteristics



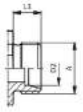
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

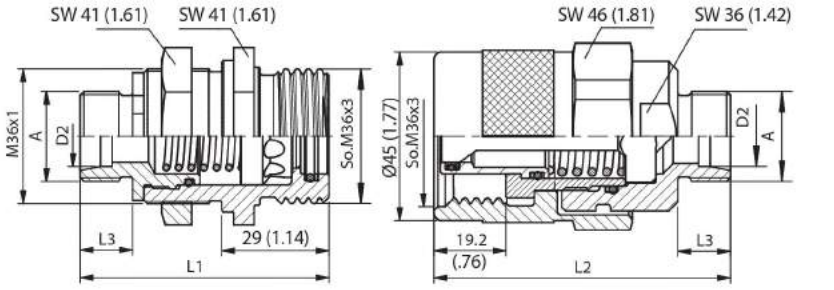
RH/RK



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

Series RH-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1.5	8L	54	61	10		RH08-1-L0814	20,80	RH08-2-L0814	31,80
			2.13	2.40	.39		QRC-RH-10-F-08L-S1-W3	45.86	QRC-RH-10-M-08L-BT-W3	70.11
	M16x1.5	10L	55	61	11		RH08-1-L1016	21	RH08-2-L1016	32
			2.17	2.40	.43		QRC-RH-10-F-10L-S1-W3	46.30	QRC-RH-10-M-10L-BT-W3	70.55
	M18x1.5	12L	55	61	11		RH08-1-L1218	21,20	RH08-2-L1218	32,20
			2.17	2.40	.43		QRC-RH-10-F-12L-S1-W3	46.74	QRC-RH-10-M-12L-BT-W3	70.99
	M22x1.5	15L	56	62	12		RH08-1-L1522	22	RH08-2-L1522	32,90
			2.20	2.44	.47		QRC-RH-10-F-15L-S1-W3	48.50	QRC-RH-10-M-15L-BT-W3	72.53
	M18x1.5	10S	56	62	12		RH08-1-S1018	21,50	RH08-2-S1018	32,60
			2.20	2.44	.47		QRC-RH-10-F-10S-S1-W3	47.40	QRC-RH-10-M-10S-BT-W3	71.87
	M20x1.5	12S	56	62	12		RH08-1-S1220	22	RH08-2-S1220	33
			2.20	2.44	.47		QRC-RH-10-F-12S-S1-W3	48.50	QRC-RH-10-M-12S-BT-W3	72.75
	M22x1.5	14S	58	64	14		RH08-1-S1422	22,70	RH08-2-S1422	33,80
			2.28	2.52	.55		QRC-RH-10-F-14S-S1-W3	50.04	QRC-RH-10-M-14S-BT-W3	74.52
	M24x1.5	16S	58	64	14		RH08-1-S1624	23	RH08-2-S1624	33,90
			2.28	2.52	.55		QRC-RH-10-F-16S-S1-W3	50.71	QRC-RH-10-M-16S-BT-W3	74.74



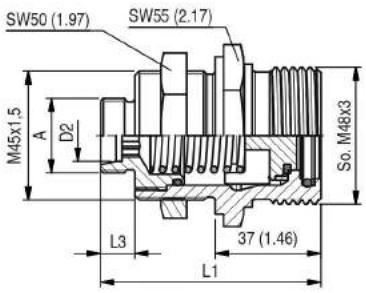
SW: Width across flats. All dimensions in mm (inch).

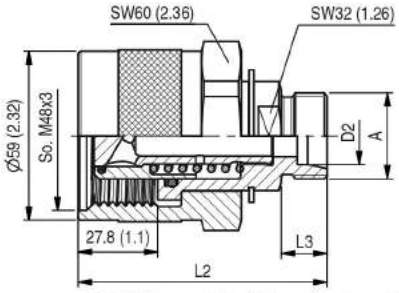
RH/RK

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M22x1.5	15L	65	78	12		RH12-1-L1522	31,20	RH12-2-L1522	56,40
			2.56	3.07	.47		QRC-RH-12-F-15L-S1-W3	68.78	QRC-RH-12-M-15L-BT-W3	124.34
	M24x1.5	16S	67	80	14		RH12-1-S1624	32	RH12-2-S1624	57,30
			2.64	3.15	.55		QRC-RH-12-F-16S-S1-W3	70.55	QRC-RH-12-M-16S-BT-W3	126.32
	M30x2	20S	69,5	81,2	16		RH12-1-S2030	34,80	RH12-2-S2030	59,50
			2.74	3.20	.63		QRC-RH-12-F-20S-S1-W3	76.72	QRC-RH-12-M-20S-BT-W3	131.18

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.

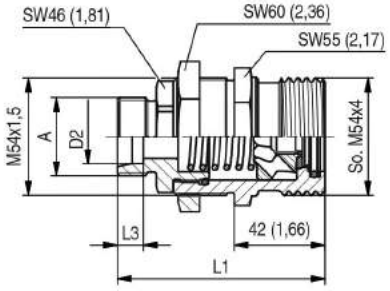


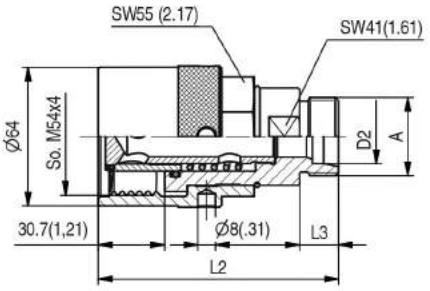


SW: Width across flats. All dimensions in mm (inch).

Series RH-16 ▪ BG 4 ▪ Nominal Size 16

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M22x1,5	15L	77	77	12		RH16-1-L1522	61,40	RH16-2-L1522	94
			3.03	3.03	.47		QRC-RH-16-F-15L-S1-W3	135.36	QRC-RH-16-M-15L-BT-W3	207.23
	M26x1,5	18L	77	77	12		RH16-1-L1826	61,60	RH16-2-L1826	94,30
			3.03	3.03	.47		QRC-RH-16-F-18L-S1-W3	135.80	QRC-RH-16-M-18L-BT-W3	207.90
	M24x1,5	16S	79	79	14		RH16-1-S1624	61,70	RH16-2-S1624	94,50
			3.11	3.11	.55		QRC-RH-16-F-16S-S1-W3	136.03	QRC-RH-16-M-16S-BT-W3	208.34
	M30x2	20S	81	81	16		RH16-1-S2030	62	RH16-2-S2030	94,90
			3.19	3.19	.63		QRC-RH-16-F-20S-S1-W3	136.69	QRC-RH-16-M-20S-BT-W3	209.22





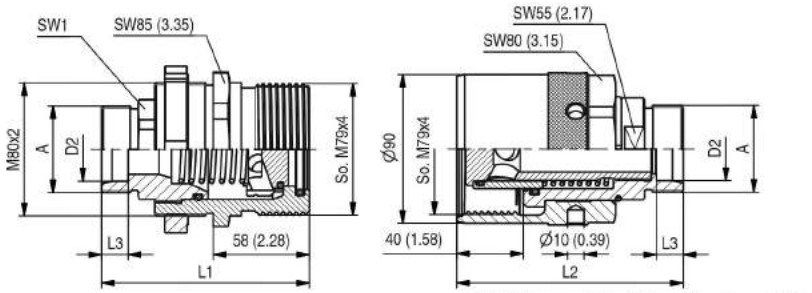
SW: Width across flats. All dimensions in mm (inch).

Series RK-19 ▪ BG 6 ▪ Nominal Size 19

RH/RK

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M26x1,5	18L	90	103	12		RK19-1-L1826	88	RK19-2-L1826	128,80
			3.54	4.06	.47		QRC-RK-19-F-18L-S1-W3	194.01	QRC-RK-19-M-18L-BT-W3	283.96
	M30x2	22L	92	105	14		RK19-1-L2230	88,80	RK19-2-L2230	129,60
			3.62	4.13	.55		QRC-RK-19-F-22L-S1-W3	195.77	QRC-RK-19-M-22L-BT-W3	285.72
	M36x2	28L	92	107	14		RK19-1-L2836	90	RK19-2-L2836	130,60
			3.62	4.21	.55		QRC-RK-19-F-28L-S1-W3	198.42	QRC-RK-19-M-28L-BT-W3	287.92
	M30x2	20S	95	109	16		RK19-1-S2030	92,20	RK19-2-S2030	131,60
			3.74	4.29	.63		QRC-RK-19-F-20S-S1-W3	203.27	QRC-RK-19-M-20S-BT-W3	290.13
	M36x2	25S	97	111	18		RK19-1-S2536	93	RK19-2-S2536	132,30
			3.82	4.37	.71		QRC-RK-19-F-25S-S1-W3	205.03	QRC-RK-19-M-25S-BT-W3	291.67
	M42x2	30S	99	113	20		RK19-1-S3042	95,80	RK19-2-S3042	134,30
			3.90	4.45	.79		QRC-RK-19-F-30S-S1-W3	211.20	QRC-RK-19-M-30S-BT-W3	296.08

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.

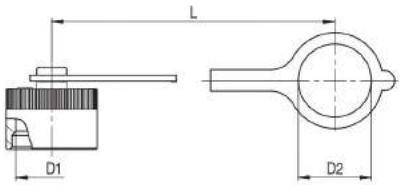


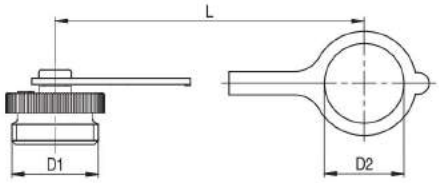
SW: Width across flats. All dimensions in mm (inch).

Series RH-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in)						Female Body	Weight	Male Tip	Weight
								Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØD2	L1	L2	L3	L4	SW1	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M45x2	35L	122	136	16		46	RH25-1-L3545	273	RH25-2-L3545	335
			4.80	5.35	.63		1.81	QRC-RH-25-F-35L-S1-W3	601.86	QRC-RH-25-M-35L-BT-W3	738.55
	M52x2	42L	122	136	16		55	RH25-1-L4252	283	RH25-2-L4252	335
			4.80	5.35	.63		2.17	QRC-RH-25-F-42L-S1-W3	623.91	QRC-RH-25-M-42L-BT-W3	738.55
	M52x2	38S	125	136	22		55	RH25-1-S3852	285,50	RH25-2-S3852	334,50
			4.92	5.35	.87		2.17	QRC-RH-25-F-38S-S1-W3	629.42	QRC-RH-25-M-38S-BT-W3	737.45

Series RH/RK ▪ Dust Protection





Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M32x3	36,5	190	Plastic (Colour: Red)	RH08-0-RT001
	1.44	7.48		QRC-RH-10-DF-37-K-RD
M32x3	29,5	185	Plastic (Colour: Red)	RH08-0-RT006
	1.16	7.28		QRC-RH-10-DF-30-K-RD
M36x3	41	190	Plastic (Colour: Red)	RH12-0-RT001
	1.61	7.48		QRC-RH-12-DF-41-K-RD
M48x3	55	210	Plastic (Colour: Red)	RH16-0-RT001
	2.17	8.27		QRC-RH-16-DF-55-K-RD

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
M32x3	29,5	185	Plastic (Colour: Red)	RH08-9-RT001
	1.16	7.28		QRC-RH-10-DM-30-K-RD
M36x3	29,5	185	Plastic (Colour: Red)	RH12-9-RT001
	1.16	7.28		QRC-RH-12-DM-30-K-RD
M48x3	36,5	190	Plastic (Colour: Red)	RH16-9-RT001
	1.44	7.48		QRC-RH-16-DM-37-K-RD

RH/RK

Dimensions (mm/in)			Material	Dust Cap for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
So. M48x3			Aluminium silver with chain	RH16-0-SI001
				QRC-RH-16-DF-CN-W89-SI
So. M54x4			Aluminium silver with chain	RH20-0-SI001
				QRC-RH-19-DF-CN-W89-SI
So. M79x4			Aluminium silver with chain	RH25-0-SI001
				QRC-RH-25-DF-CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
So. M48x3			Aluminium silver with chain	RH16-9-SI001
				QRC-RH-16-DM-CN-W89-SI
So. M54x4			Aluminium silver with chain	RH20-9-SI001
				QRC-RH-19-DM-CN-W89-SI
So. M79x4			Aluminium silver with chain	RH25-9-SI001
				QRC-RH-25-DM-CN-W89-SI

In addition to the standard colours as stated above,
plastic dust caps are also available in blue, green, yellow and black.
Please use the old color codes BL, GN, GE and SW respectively instead of RT.
Please use the STAUFF 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.

Series FT ▪ 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	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip up to the max. Working Pressure allowed
Application	Construction Machinery, Industrial Hydraulic
ISO Interchange	-

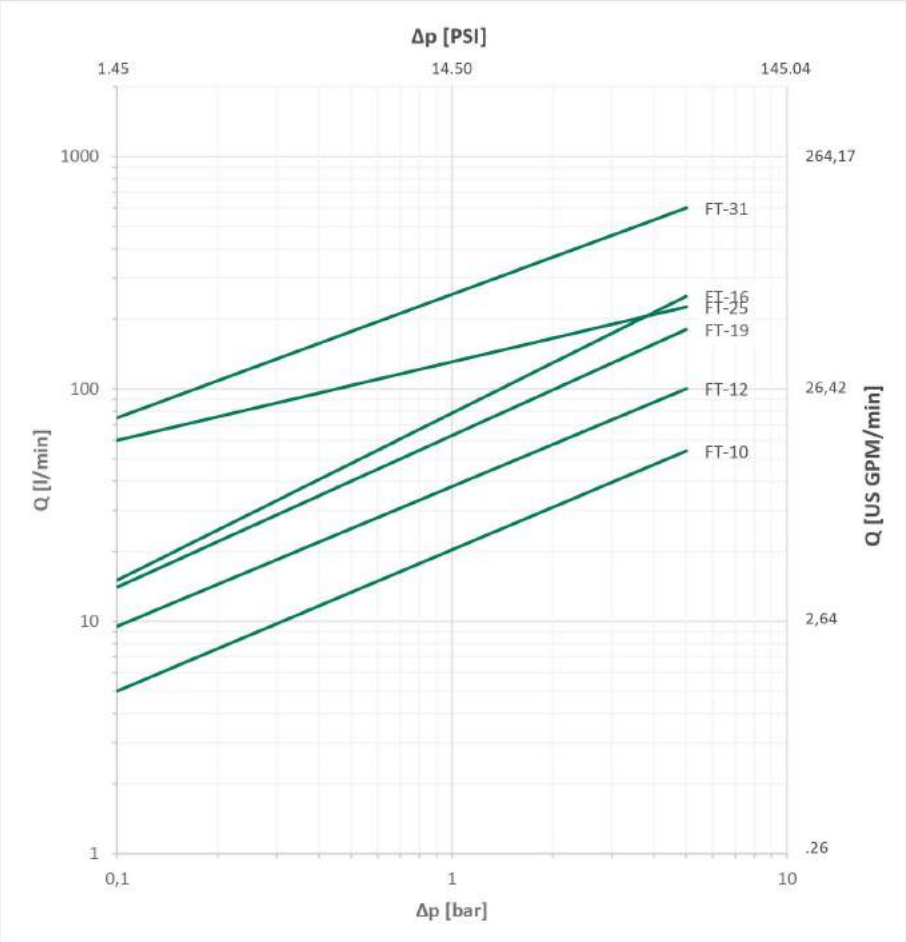
[2] Alternative seal materials are available on request.

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
FT-10	2	3/8"	10	80	21.13	550	7977	1400	20305	1100	15954	1400	20305	0,04	.0014
FT-12	3	1/2"	12,5	120	31.70	550	7977	1400	20305	1000	14504	1400	20305	0,025	.0008
FT-16	4	5/8"	16	140	36.98	550	7977	1400	20305	1000	14504	1600	23206		
FT-19	6	3/4"	19	180	47.55	500	7252	1400	20305	1050	15229	1400	20305	0,018	.0006
FT-25	8	1"	25	260	68.68	470	6817	1300	18855	1000	14504	1300	18855	0,06	.0020
FT-31	10	1 1/4"	31,5	600	158.50	400	5801	1100	15954	1100	15954	1100	15954		

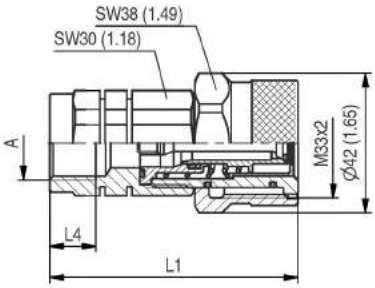
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

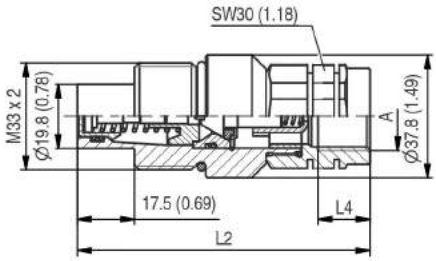
Flow Characteristics



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.

FT

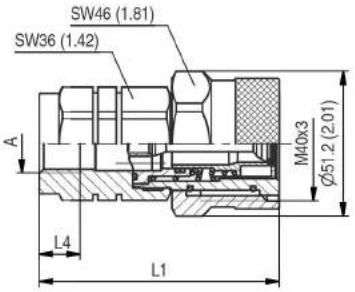


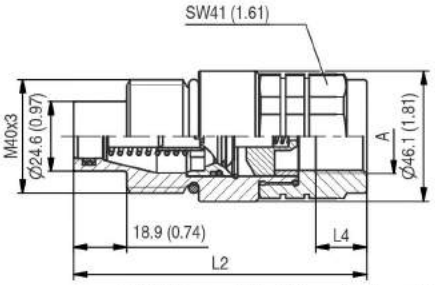


SW: Width across flats. All dimensions in mm (inch).

Series FT-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 3/8"		70	87		12	FT10-1-IGF06	36	FT10-2-IGF06	38,40
			2.76	3.43		.47	QRC-FT-10-F-G06-BT-W3	79.37	QRC-FT-10-M-G06-BT-W3	84.66
	G 1/2"		75	90		14	FT10-1-IGF08	36,50	FT10-2-IGF08	37,90
			2.95	3.54		.55	QRC-FT-10-F-G08-BT-W3	80.47	QRC-FT-10-M-G08-BT-W3	83.56
	NPTF 3/8" -18		75	90			FT10-1-INF06	38,30	FT10-2-INF06	39,70
			2.95	3.54			QRC-FT-10-F-NF06-BT-W3	84.44	QRC-FT-10-M-NF06-BT-W3	87.52
	NPTF 1/2"-14		75	90			FT10-1-INF08	36,90	FT10-2-INF08	38,50
			2.95	3.54			QRC-FT-10-F-NF08-BT-W3	81.35	QRC-FT-10-M-NF08-BT-W3	84.89
	UNF 3/4" -16		75	87		14,3	FT10-1-IUF08	37,30	FT10-2-IUF08	37,50
			2.95	3.43		.56	QRC-FT-10-F-U08-BT-W3	82.23	QRC-FT-10-M-U08-BT-W3	82.67



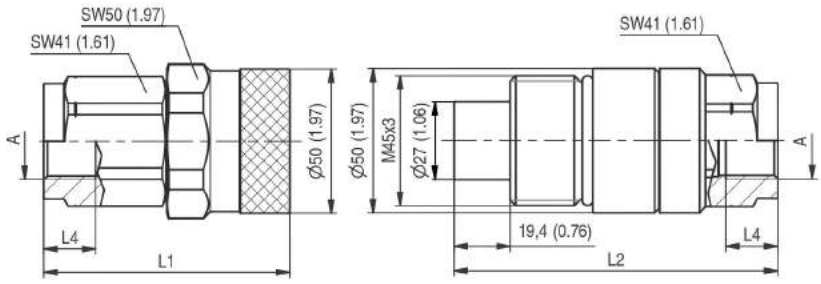


SW: Width across flats. All dimensions in mm (inch).

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 1/2"		85	98		14,5	FT12-1-IGF08	65,70	FT12-2-IGF08	67,10
			3.35	3.86		.57	QRC-FT-12-F-G08-BT-W3	144.84	QRC-FT-12-M-G08-BT-W3	147.93
	G 3/4"		85	104		16	FT12-1-IGF12	62,50	FT12-2-IGF12	69,10
			3.35	4.09		.63	QRC-FT-12-F-G12-BT-W3	137.79	QRC-FT-12-M-G12-BT-W3	152.34
	NPTF 1/2" -14		85	104			FT12-1-INF08	61,70	FT12-2-INF08	73,10
			3.35	4.09			QRC-FT-12-F-NF08-BT-W3	136.03	QRC-FT-12-M-NF08-BT-W3	161.16
	NPTF 3/4" -14		85	104			FT12-1-INF12	63	FT12-2-INF12	67,50
			3.35	4.09			QRC-FT-12-F-NF12-BT-W3	138.89	QRC-FT-12-M-NF12-BT-W3	148.81
	UNF 3/4" -16		85	98		16	FT12-1-IUF08	65,80	FT12-2-IUF08	69,60
			3.35	3.86		.63	QRC-FT-12-F-U08-BT-W3	145.06	QRC-FT-12-M-U08-BT-W3	153.44
	UN 1" 1/16 -12		85	104		19	FT12-1-IUF12	61	FT12-2-IUF12	68,50
			3.35	4.09		.75	QRC-FT-12-F-U12-BT-W3	134.48	QRC-FT-12-M-U12-BT-W3	151.02

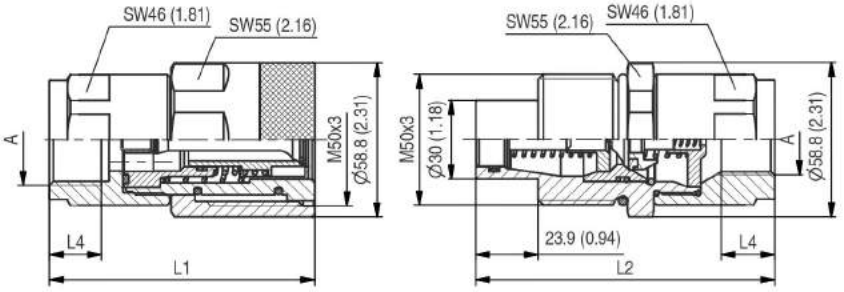
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

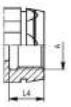
Series FT-16 • BG 4 • Nominal Size 16

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 3/4"		85	112		16	FT16-1-IGF12	80,30	FT16-2-IGF12	96,30
			3.35	4.41		.63	QRC-FT-16-F-G12-BT-W3	177.03	QRC-FT-16-M-G12-S2-W3	212.31
	G 1"		87	114		18	FT16-1-IGF16	76,80	FT16-2-IGF16	92,80
			3.43	4.49		.71	QRC-FT-16-F-G16-BT-W3	169.31	QRC-FT-16-M-G16-S2-W3	204.59
	NPTF 3/4" -14		85	112			FT16-1-INF12	79,80	FT16-2-INF12	96,90
			3.35	4.41			QRC-FT-16-F-NF12-BT-W3	175.93	QRC-FT-16-M-NF12-S2-W3	213.63
	UN 1" 1/16 -12		85	112		19	FT16-1-IUF12	74,50	FT16-2-IUF12	95,60
			3.35	4.41		.75	QRC-FT-16-F-U12-BT-W3	164.24	QRC-FT-16-M-U12-S2-W3	210.76

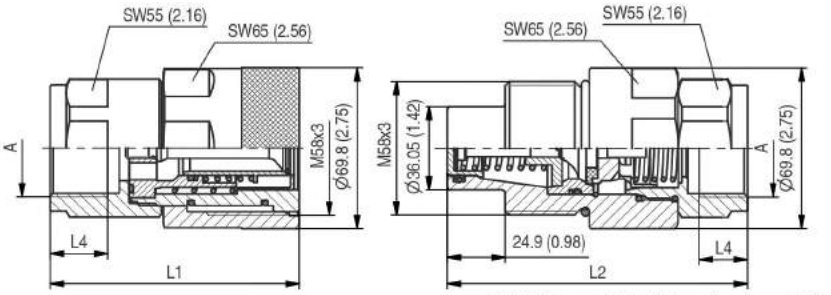


SW: Width across flats. All dimensions in mm (inch).

Series FT-19 • BG 6 • Nominal Size 19

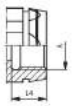
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 3/4"		101	114		16	FT19-1-IGF12	135,50	FT19-2-IGF12	106,10
			3.98	4.49		.63	QRC-FT-19-F-G12-BT-W3	298.73	QRC-FT-19-M-G12-BT-W3	233.91
	G 1"		101	114		18	FT19-1-IGF16	129,80	FT19-2-IGF16	101,40
			3.98	4.49		.71	QRC-FT-19-F-G16-BT-W3	286.16	QRC-FT-19-M-G16-BT-W3	223.55
	NPTF 1" -11 1/2		101	114			FT19-1-INF16	132	FT19-2-INF16	102,80
			3.98	4.49			QRC-FT-19-F-NF16-BT-W3	291.01	QRC-FT-19-M-NF16-BT-W3	226.64
	UN 1" 5/16 -12		101	114		19	FT19-1-IUF16	129,70	FT19-2-IUF16	100,50
			3.98	4.49		.75	QRC-FT-19-F-U16-BT-W3	285.94	QRC-FT-19-M-U16-BT-W3	221.56

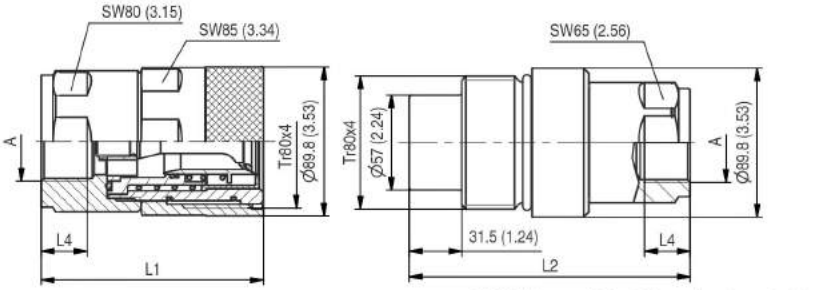
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

Series FT-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 1" 1/4		108	130		20	FT25-1-IGF20	150,20	FT25-2-IGF20	189,70
			4.25	5.12		.79	QRC-FT-25-F-G20-BT-W3	331.13	QRC-FT-25-M-G20-BT-W3	418.22
	NPTF 1"¼ -11½		108	130			FT25-1-INF20	153,90	FT25-2-INF20	191,90
			4.25	5.12			QRC-FT-25-F-NF20-BT-W3	339.29	QRC-FT-25-M-NF20-BT-W3	423.07
	UN 1" 5/8 - 12		108	130		19	FT25-1-IUF20	152,30	FT25-2-IUF20	190,40
			4.25	5.12		.75	QRC-FT-25-F-U20-BT-W3	335.76	QRC-FT-25-M-U20-BT-W3	419.76



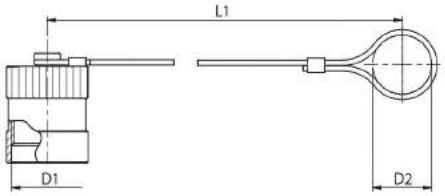
SW: Width across flats. All dimensions in mm (inch).

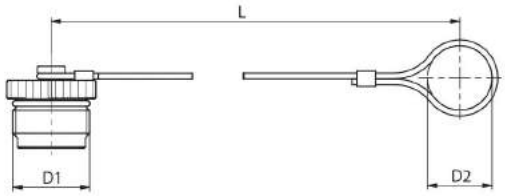
Series FT-31 ▪ BG 10 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1									
	G 1" 1/2		134	169		22	FT32-1-IGF24	442,20	FT32-2-IGF24	402
			5.28	6.65		.87	QRC-FT-31-F-G24-S1-W3	974.88	QRC-FT-31-M-G24-S2-W3	886.26
	NPTF 1"½ -11		134	169			FT32-1-INF24	444,20	FT32-2-INF24	404,10
			5.28	6.65			QRC-FT-31-F-NF24-S1-W3	979.29	QRC-FT-31-M-NF24-S2-W3	890.89
	UN 1" 7/8 -12		134	169		19	FT32-1-IUF24	439,20	FT32-2-IUF24	400,50
			5.28	6.65		.75	QRC-FT-31-F-U24-S1-W3	968.27	QRC-FT-31-M-U24-S2-W3	882.95

FT

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.





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
M33x2	30	175	Aluminium silver with steel cable	FT10-0-SI001
	1.18	6.89		QRC-FT-10-DM-30-W89-SI
M40x3	40,5	215	Aluminium silver with steel cable	FT12-0-SI001
	1.59	8.46		QRC-FT-12-DM-41-W89-SI
M45x3	42,5	230	Aluminium silver with steel cable	FT16-0-SI001
	1.67	9.06		QRC-FT-16-DM-43-W89-SI
M50x3	46	245	Aluminium silver with steel cable	FT19-0-SI001
	1.81	9.65		QRC-FT-19-DM-46-W89-SI
M58x3	55	275	Aluminium silver with steel cable	FT25-0-SI001
	2.17	10.83		QRC-FT-25-DM-55-W89-SI
TR80x4	71,5	350	Aluminium silver with steel cable	FT32-0-SI001
	2.81	13.78		QRC-FT-31-DM-72-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
M33x2	30	175	Aluminium silver with steel cable	FT10-9-SI001
	1.18	6.89		QRC-FT-10-DF-30-W89-SI
M40x3	36	215	Aluminium silver with steel cable	FT12-9-SI001
	1.42	8.46		QRC-FT-12-DF-36-W89-SI
M45x3	42,5	230	Aluminium silver with steel cable	FT16-9-SI001
	1.67	9.06		QRC-FT-16-DF-43-W89-SI
M50x3	46	245	Aluminium silver with steel cable	FT19-9-SI001
	1.81	9.65		QRC-FT-19-DF-46-W89-SI
M58x3	55	275	Aluminium silver with steel cable	FT25-9-SI001
	2.17	10.83		QRC-FT-25-DF-55-W89-SI
TR80x4	71,5	350	Aluminium silver with steel cable	FT32-9-SI001
	2.81	13.78		QRC-FT-31-DF-72-W89-SI

Series HR ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip and Female Body up to max. 100 bar / 1450 PSI allowed
Application	Construction Machinery
ISO Interchange	-

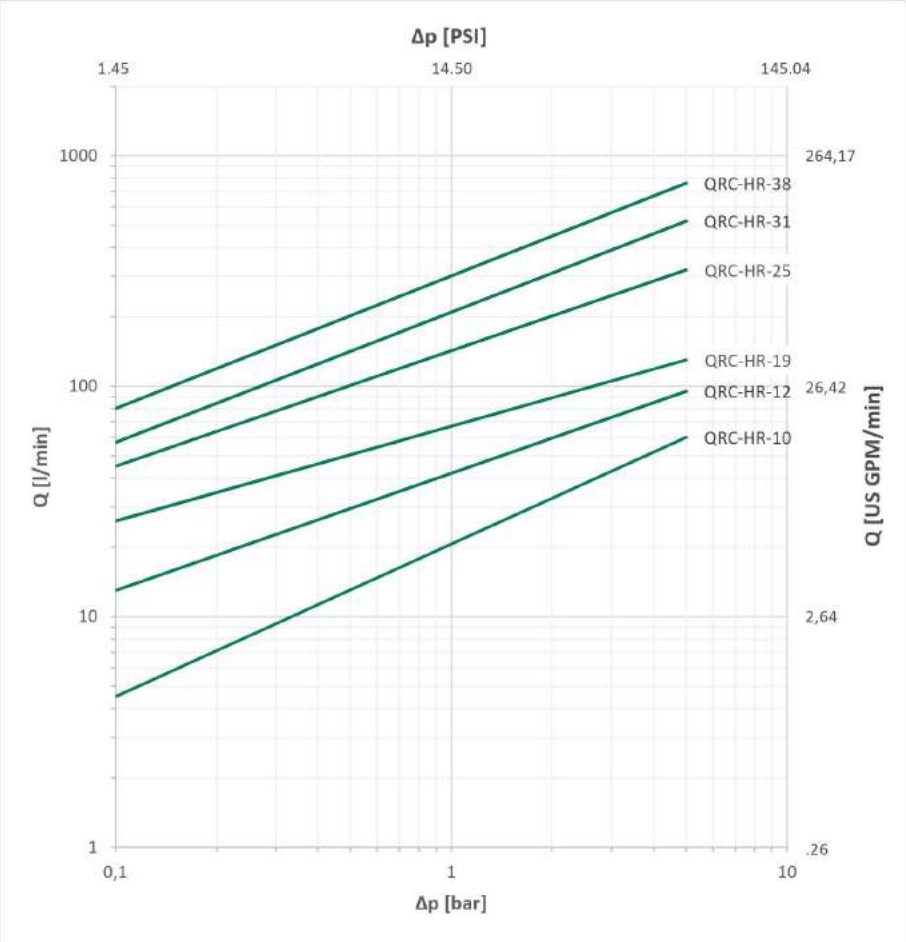
[2] Alternative seal materials are available on request.

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
HR-10	2	3/8"	10	50	13.21	610	8847	2450	35534	2450	35534	2600	37710	2	.0676
HR-12	3	1/2"	12,5	85	22.45	470	6817	1900	27557	2100	30458	1650	23931	3	.1014
HR-19	6	3/4"	19 (20)	120	31.70	310	4496	1250	18130	1500	21756	1250	18130	10	.3381
HR-25	8	1"	25	280	73.97	300	4351	1300	18855	1600	23206	1100	15954	16	.5410
HR-31	10	1 1/4"	31	460	121.52	300	4351	1300	18855	1300	18855	1200	17404	30	1.0144
HR-38	12	1 1/2"	38	700	184.92	270	3916	1100	15954	1500	21756	950	13779	54	1.8260

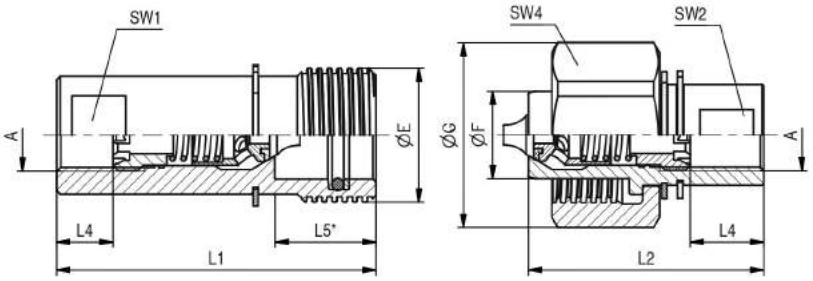
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

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.

HR



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HR-12.
* Insertion Female Body.

Series HR-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 3/8"	36	22	49	77	57	12	22	22	22	45	HR10-1-IGF06	31,80	HR10-2-IGF06	35,20
		1.42	.87	1.93	3.03	2.24	.47	.87	.87	.87	1.77	QRC-HR-10-F-G06-BT-W66	70.11	QRC-HR-10-M-G06-B-W66	77.60
		36	22	49	77	57	12	22	22	22	45	HR10-3MIGF06	37,10	HR10-4MIGF06	41
		1.42	.87	1.93	3.03	2.24	.47	.87	.87	.87	1.77	QRC-HR-10-FD-G06-BT-W66-DM	81.79	QRC-HR-10-MD-G06-B-W66-DM	90.39

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

	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 1/2"	40	26	55	95	70	14	30	26	26	50	HR12-1-IGF08	48,40	HR12-2-IGF08	48
		1.57	1.02	2.16	3.74	2.76	.55	1.18	1.02	1.02	1.97	QRC-HR-12-F-G08-BT-W66	106.70	QRC-HR-12-M-G08-B-W66	105.82
		40	26	55	95	70	14	30	26	26	50	HR12-3MIGF08	54	HR12-4MIGF08	56,60
		1.57	1.02	2.16	3.74	2.76	.55	1.18	1.02	1.02	1.97	QRC-HR-12-FD-G08-BT-W66-DM	119.05	QRC-HR-12-MD-G08-B-W66-DM	124.78

Series HR-19 ▪ BG 6 ▪ Nominal Size 19

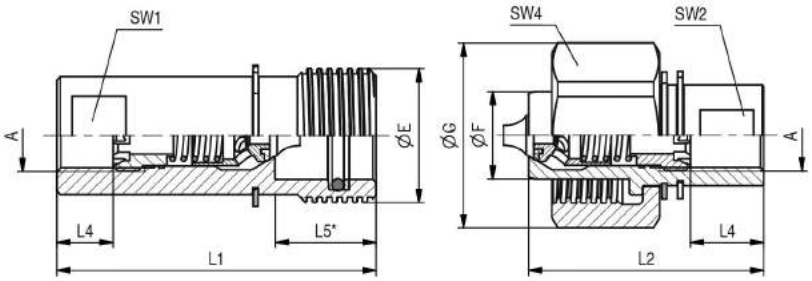
	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 3/4"	44,7	26	60	99	73	16	30	30	30	60	HR19-1-IGF12	66	HR19-2-IGF12	59,90
		1.76	1.02	2.36	3.90	2.87	.63	1.18	1.18	1.18	2.36	QRC-HR-19-F-G12-BT-W66	145.51	QRC-HR-19-M-G12-B-W66	132.06
		44,7	26	60	99	73	16	30	30	30	60	HR19-3MIGF12	72,80	HR19-4MIGF12	68
		1.76	1.02	2.36	3.90	2.87	.63	1.18	1.18	1.18	2.36	QRC-HR-19-FD-G12-BT-W66-DM	160.50	QRC-HR-19-MD-G12-B-W66-DM	149.91

HR

Series HR-25 ▪ BG 8 ▪ Nominal Size 25

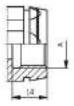
	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 1"	58	36,8	77	106	81	18	30	40	40	77	HR25-1-IGF16	117,90	HR25-2-IGF16	114,7
		2.28	1.45	3.02	4.17	3.19	.71	1.18	1.57	1.57	3.02	QRC-HR-25-F-G16-BT-W66	259.93	QRC-HR-25-M-G16-B-W66	252.87
		58	36,8	77	106	81	18	30	40	40	77	HR25-3MIGF16	125,70	HR25-4MIGF16	125,80
		2.28	1.45	3.02	4.17	3.19	.71	1.18	1.57	1.57	3.02	QRC-HR-25-FD-G16-BT-W66-DM	277.12	QRC-HR-25-MD-G16-B-W66-DM	277.34

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). Drawing similar Series HR-12.
* Insertion Female Body.

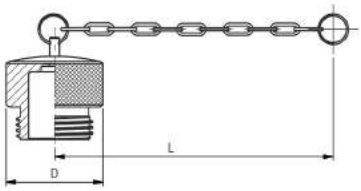
Series HR-31 ▪ BG 10 ▪ Nominal Size 31,5

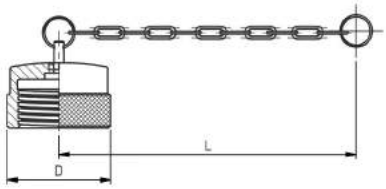
	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 1 1/4"	66	47	88	118	88	20	35	48	48	88	HR31-1-IGF20	160,60	HR31-2-IGF20	180,30
		2.60	1.85	3.46	4.65	3.46	.79	1.38	1.89	1.89	3.46	QRC-HR-31-F-G20-BT-W66	354.06	QRC-HR-31-M-G20-B-W66	397.49
		66	47	88	118	88	20	35	48	48	88	HR31-3MIGF20	171,10	HR31-4MIGF20	192,80
		2.60	1.85	3.46	4.65	3.46	.79	1.38	1.89	1.89	3.46	QRC-HR-31-FD-G20-BT-W66-DM	377.21	QRC-HR-31-MD-G20-B-W66-DM	425.05

Series HR-38 ▪ BG 12 ▪ Nominal Size 38

	Port A	Dimensions (mm/in) ØE	ØF	ØG	L1	L2	L4 min	L5	SW1	SW2	SW4	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852														
	G 1 1/2"	75	57	93	121	90	22	35	55	55	93	HR38-1-IGF24	200,60	HR38-2-IGF24	218,40
		2.95	2.24	3.66	4.76	3.54	.87	1.38	2.16	2.16	3.66	QRC-HR-38-F-G24-BT-W66	442.25	QRC-HR-38-M-G24-B-W66	481.49
		75	57	93	121	90	22	35	55	55	93	HR38-3MIGF24	213,90	HR38-4MIGF24	233,10
		2.95	2.24	3.66	4.76	3.54	.87	1.38	2.16	2.16	3.66	QRC-HR-38-FD-G24-BT-W66-DM	471.57	QRC-HR-38-MD-G24-B-W66-DM	513.90

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.





Dimensions (mm/in)			Material	Dust Plug for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
48		200	Plastic (Colour: Black)	HR10-0-SW001
1.89		7.87		QRC-HR-10-DM-CN-KI-BK
51		200	Plastic (Colour: Black)	HR12-0-SW001
2.01		7.87		QRC-HR-12-DM-CN-KI-BK
57		200	Plastic (Colour: Black)	HR19-0-SW001
2.24		7.87		QRC-HR-19-DM-CN-KI-BK
68		200	Plastic (Colour: Black)	HR25-0-SW001
2.68		7.87		QRC-HR-25-DM-CN-KI-BK
76		265	Plastic (Colour: Black)	HR31-0-SW001
2.99		10.43		QRC-HR-31-DM-CN-KI-BK
86		265	Plastic (Colour: Black)	HR38-0-SW001
3.39		10.43		QRC-HR-38-DM-CN-KI-BK

Dimensions (mm/in)			Material	Dust Cap for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
48		200	Plastic (Colour: Black)	HR10-9-SW001
1.89		7.87		QRC-HR-10-DF-CN-KI-BK
51		200	Plastic (Colour: Black)	HR12-9-SW001
2.01		7.87		QRC-HR-12-DF-CN-KI-BK
57		200	Plastic (Colour: Black)	HR19-9-SW001
2.24		7.87		QRC-HR-19-DF-CN-KI-BK
68		200	Plastic (Colour: Black)	HR25-9-SW001
2.68		7.87		QRC-HR-25-DF-CN-KI-BK
76		265	Plastic (Colour: Black)	HR31-9-SW001
2.99		10.43		QRC-HR-31-DF-CN-KI-BK
85		265	Plastic (Colour: Black)	HR38-9-SW001
3.35		10.43		QRC-HR-38-DF-CN-KI-BK

In addition to the standard colours as stated above,
plastic dust caps are also available in blue, green, yellow and black.
Please use the old color codes BL, GN, GE and SW respectively instead of RT.
Please use the STAUFF 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.

Series HH ▪ 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	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip and Female Body allowed
Application	Industrial Hydraulic, Rescue and Tensioning Hydraulics
ISO Interchange	-

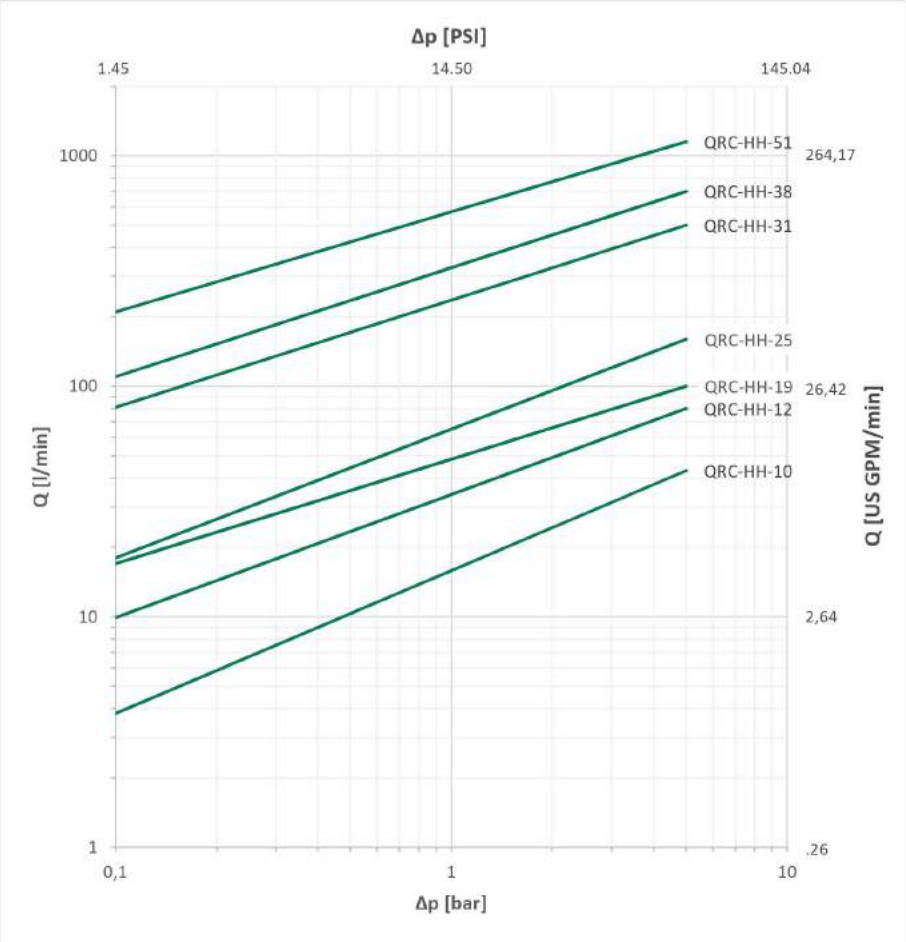
[2] Alternative seal materials are available on request.

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
HH-10	2	3/8"	10	18	4.75	650	9427	3000	43511	3000	43511	3000	43511	1,9	.0642
HH-12	3	1/2"	12,5	23	6.08	600	8702	2200	31908	2700	39160	2500	36259	2,7	.0913
HH-19	6	3/4"	19 (20)	45	11.89	500	7252	2100	30458	2600	37710	2400	34809	9,3	.3145
HH-25	8	1"	25	106	28.00	460	6672	2000	29007	2600	37710	2300	33359	16	.5410
HH-31	10	1 1/4"	31	189	49.93	360	5221	1500	21756	1500	21756	1500	21756	30	1.0144
HH-38	12	1 1/2"	38	300	79.25	360	5221	1500	21756	1500	21756	1200	17404	54	1.8260
HH-51	14	2"	51	757	199.98	210	3046	1050	15228	1300	21756	1300	18855	120	4.0577

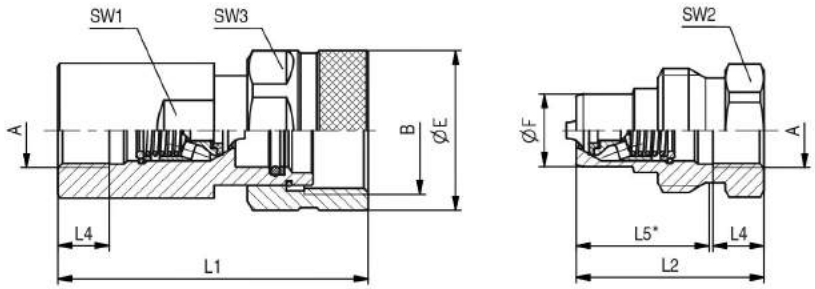
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



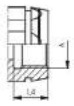
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

HH

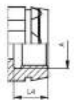


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HH-12.
* Insertion Male Tip.

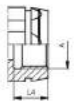
Series HH-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 3/8"	40	19	1 1/4" - 8 UN	76	48	12	34	30	32	36	HH10-1-IGF06	34,40	HH10-2-IGF06	15,50
		1.57	.75		2.99	1.89	.47	1.34	1.18	1.26	1.42	QRC-HH-10-F-G06-BT-W3	75.84	QRC-HH-10-M-G06-B-W3	34.17
	NPTF 3/8" -18	40	19	1 1/4" - 8 UN	76	48		34	30	32	36	HH10-1-INF06	34,60	HH10-2-INF06	15,70
		1.57	.75		2.99	1.89		1.34	1.18	1.26	1.42	QRC-HH-10-F-NF06-BT-W3	76.28	QRC-HH-10-M-NF06-B-W3	34.61

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

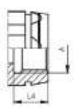
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1/2"	45	20,5	1 3/8" - 8 UN	87	53	14	37,5	34	34	41	HH12-1-IGF08	57,60	HH12-2-IGF08	17,70
		1.77	.81		3.43	2.09	.55	1.48	1.34	1.34	1.61	QRC-HH-12-F-G08-BT-W3	126.99	QRC-HH-12-M-G08-B-W3	39.02
	NPTF 1/2" -14	45	20,5	1 3/8" - 8 UN	87	53		37,5	34	34	41	HH12-1-INF08	58,20	HH12-2-INF08	18
		1.77	.81		3.43	2.09		1.48	1.34	1.34	1.61	QRC-HH-12-F-NF08-BT-W3	128.31	QRC-HH-12-M-NF08-B-W3	39.68

Series HH-19 ▪ BG 6 ▪ Nominal Size 19

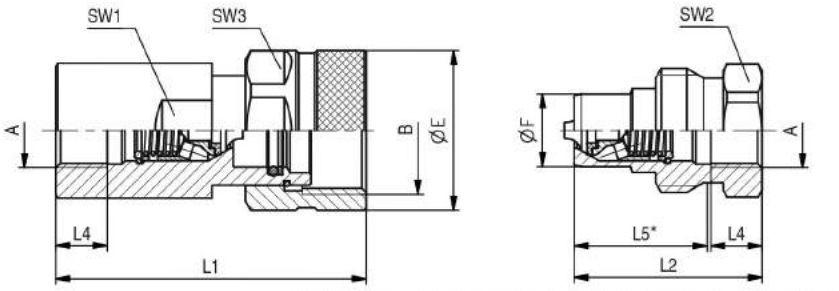
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 3/4"	55	27,9	1 3/4" - 6 UN	106	63	16	48	41	46	50	HH19-1-IGF12	98,80	HH19-2-IGF12	36,40
		2.16	1.1		4.17	2.48	.63	1.89	1.61	1.81	1.97	QRC-HH-19-F-G12-BT-W3	217.82	QRC-HH-19-M-G12-B-W3	80.25
	NPFT 3/4" -14	55	27,9	1 3/4" - 6 UN	106	63		47	41	46	50	HH19-1-INF12	99,70	HH19-2-INF12	37,30
		2.16	1.1		4.17	2.48		1.89	1.61	1.81	1.97	QRC-HH-19-F-NF12-BT-W3	219.80	QRC-HH-19-M-NF12-B-W3	82.23

HH

Series HH-25 ▪ BG 8 ▪ Nominal Size 25

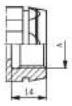
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1"	60	31,2	M52x4	123	72	18	56	50	50	55	HH25-1-IGF16	140,30	HH25-2-IGF16	53,20
		2.36	1.23		4.84	2.83	.71	2.2	1.97	1.97	2.16	QRC-HH-25-F-G16-BT-W3	309.31	QRC-HH-25-M-G16-B-W3	117.29
	NPTF 1" -11 1/2	60	31,2	M52x4	123	72		56	50	50	55	HH25-1-INF16	148,10	HH25-2-INF16	54
		2.36	1.23		4.84	2.83		2.2	1.97	1.97	2.16	QRC-HH-25-F-NF16-BT-W3	326.50	QRC-HH-25-M-NF16-B-W3	119.05

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 HH-12.
* Insertion Male Tip.

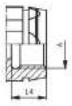
Series HH-31 ▪ BG 10 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1 1/4"	80	44	M68x6	153	86	20	72	65	65	75	HH31-1-IGF20	287	HH31-2-IGF20	105
		3.15	1.73		6.02	3.39	.79	2.83	2.56	2.56	2.95	QRC-HH-31-F-G20-BT-W3	632.73	QRC-HH-31-M-G20-B-W3	231.49
	NPTF 1 1/4" -11 1/2	80	44	M68x6	153	86		72	65	65	75	HH31-1-INF20	295	HH31-2-INF20	109,20
		3.15	1.73		6.02	3.39		2.83	2.56	2.56	2.95	QRC-HH-31-F-NF20-BT-W3	650.36	QRC-HH-31-M-NF20-B-W3	240.74

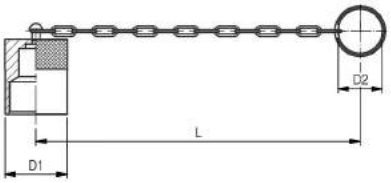
Series HH-38 ▪ BG 12 ▪ Nominal Size 38

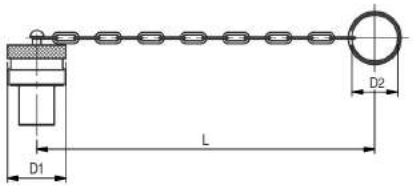
	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1 1/2"	98	53,4	M78x6	172	95	22	80	75	80	90	HH38-1-IGF24	444	HH38-2-IGF24	170
		3.86	2.10		6.77	3.74	.87	3.15	2.95	3.15	3.54	QRC-HH-38-F-G24-BT-W3	978.85	QRC-HH-38-M-G24-B-W3	374.79
	NPTF 1 1/2" -11 1/2	98	53,4	M78x6	172	95		80	75	80	90	HH38-1-INF24	447	HH38-2-INF24	172
		3.86	2.10		6.77	3.74		3.15	2.95	3.15	3.54	QRC-HH-38-F-NF24-BT-W3	985.47	QRC-HH-38-M-NF24-B-W3	379.20

Series HH-51 ▪ BG 14 ▪ Nominal Size 51

	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 2"	129	81,8	M115x8	205	118	24	96	100	110	125	HH51-1-IGF32	867	HH51-2-IGF32	493
		5.07	3.22		8.07	4.65	.94	3.78	3.93	4.33	4.92	QRC-HH-51-F-G32-BT-W3	1911.41	QRC-HH-51-M-G32-B-W3	1086.88
	NPTF 2" -11 1/2	129	81,8	M115x8	205	118		96	100	110	125	HH51-1-INF32	892	HH51-2-INF32	507
		5.07	3.22		8.07	4.65		3.78	3.93	4.33	4.92	QRC-HH-51-F-NF32-BT-W3	1966.52	QRC-HH-51-M-NF32-B-W3	1117.74

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.





Dimensions (mm/in)			Material	Dust Cap for Male Tip
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
34	30	240	Aluminium with chain	HH10-0-SI001
1.34	1.18	9.45		QRC-HH-10-DM-30/CN-W89-SI
38	30	240	Aluminium with chain	HH12-0-SI001
1.50	1.18	9.45		QRC-HH-12-DM-30/CN-W89-SI
48	41	290	Aluminium with chain	HH19-0-SI001
1.89	1.61	11.42		QRC-HH-19-DM-41/CN-W89-SI
58	48	300	Aluminium with chain	HH25-0-SI001
2.28	1.89	11.81		QRC-HH-25-DM-48/CN-W89-SI
81	48	400	Aluminium with chain	HH31-0-SI001
3.19	1.89	15.75		QRC-HH-31-DM-48/CN-W89-SI
85	46	260	Aluminium with chain	HH38-0-SI001
3.35	1.81	10.24		QRC-HH-38-DM-46/CN-W89-SI
100	46	300	Aluminium with chain	HH51-0-SI001
3.94	1.81	11.81		QRC-HH-51-DM-46/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body
				Old Part Numbers
D1	D2	L		STAUFF Ordering Codes
34	30	240	Aluminium with chain	HH10-9-SI001
1.34	1.18	9.45		QRC-HH-10-DF-30/CN-W89-SI
34	30	240	Aluminium with chain	HH12-9-SI001
1.34	1.18	9.45		QRC-HH-12-DF-30/CN-W89-SI
53	48	300	Aluminium with chain	HH19-9-SI001
2.09	1.89	11.81		QRC-HH-19-DF-48/CN-W89-SI
53	41	290	Aluminium with chain	HH25-9-SI001
2.09	1.61	11.42		QRC-HH-25-DF-41/CN-W89-SI
71	48	400	Aluminium with chain	HH31-9-SI001
2.80	1.89	15.75		QRC-HH-31-DF-48/CN-W89-SI
98	46	210	Aluminium with chain	HH38-9-SI001
3.86	1.81	8.27		QRC-HH-38-DF-46/CN-W89-SI
115	46	270	Aluminium with chain	HH51-9-SI001
4.53	1.81	10.63		QRC-HH-51-DF-46/CN-W89-SI

Series HH ▪ 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	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip and Female Body allowed
Application	Industrial Hydraulic, Offshore, Rescue and Tensioning Hydraulics
ISO Interchange	-

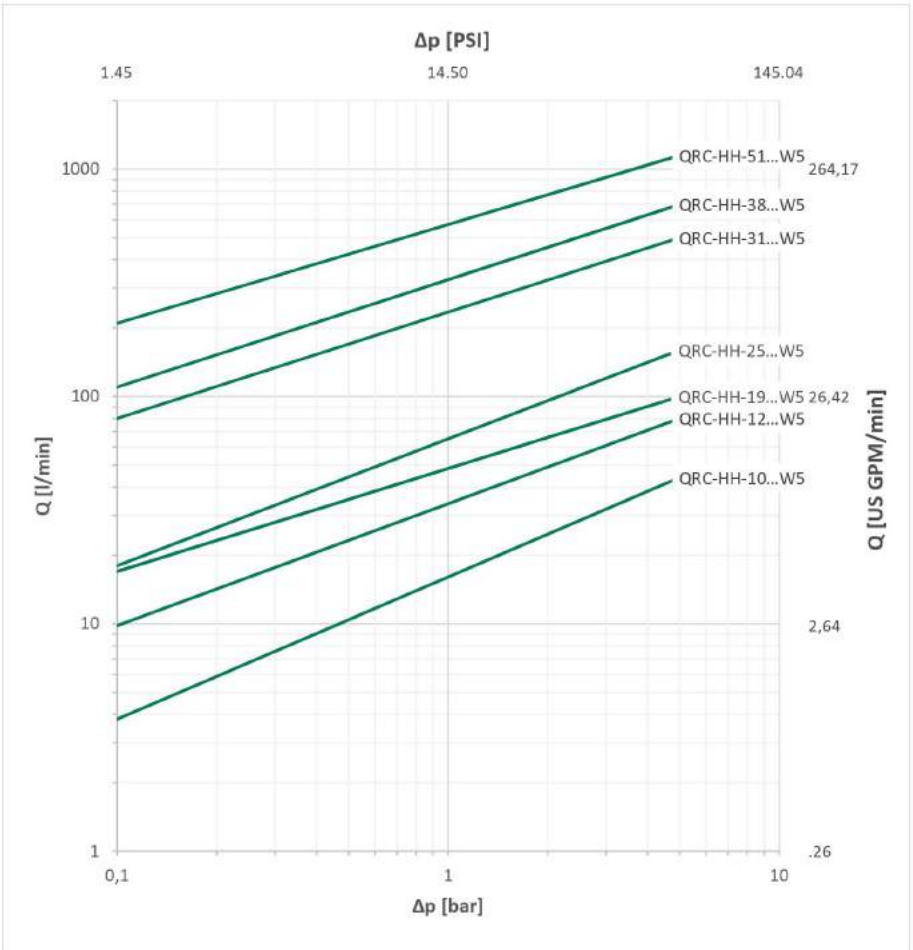
[2] Alternative seal materials are available on request.

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
HH-10	2	3/8"	10	18	4.75	650	9427	2600	37710	2000	29008	2300	33359	1,9	.0642
HH-12	3	1/2"	12,5	23	6.08	600	8702	2500	36259	2700	39160	2100	30458	2,7	.0913
HH-19	6	3/4"	19 (20)	45	11.89	500	7252	2400	34809	1700	24656	2100	30458	9,3	.3145
HH-25	8	1"	25	106	28.00	460	6672	1500	21756	1900	27557	1600	23206	16	.5410
HH-31	10	1 1/4"	31	189	49.93	360	5221	1000	14504	1000	14504	1000	14504	30	1.0144
HH-38	12	1 1/2"	38	300	79.25	360	5221	900	13053	900	13053	900	13053	54	1.8260
HH-51	14	2"	51	757	199.98	210	3046	500	7252	500	7252	500	7252	120	4.0577

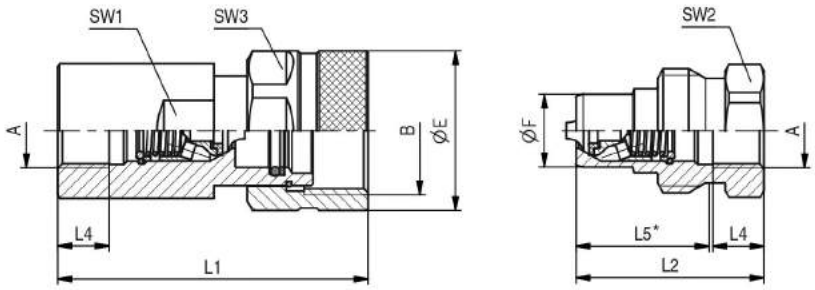
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

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.

HH



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

Series HH-10 • BG 2 • Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 3/8"	40	19	1 1/4" - 8 UN	76	48	12	34	27	32	36	HH10-1-IGF06-VA	34,40	HH10-2-IGF06-VA	15,50
		1.57	.75		2.99	1.89	.47	1.34	1.06	1.26	1.42	QRC-HH-10-F-G06-VT-W5	75.84	QRC-HH-10-M-G06-V-W5	34.17
	NPTF 3/8" -18	40	19	1 1/4" - 8 UN	76	48		34	27	32	36	HH10-1-INF06-VA	34,60	HH10-2-INF06-VA	15,70
		1.57	.75		2.99	1.89		1.34	1.06	1.26	1.42	QRC-HH-10-F-NF06-VT-W5	76.28	QRC-HH-10-M-NF06-V-W5	34.61

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

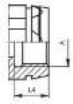
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1/2"	45	20,5	1 3/8" - 8 UN	87	53	14	37,5	34	34	41	HH12-1-IGF08-VA	57,60	HH12-2-IGF08-VA	17,70
		1.77	.81		3.43	2.09	.55	1.48	1.34	1.34	1.61	QRC-HH-12-F-G08-VT-W5	126.99	QRC-HH-12-M-G08-V-W5	39.02
	NPTF 1/2" -14	45	20,5	1 3/8" - 8 UN	87	53		37,5	34	34	41	HH12-1-INF08-VA	58,20	HH12-2-INF08-VA	18
		1.77	.81		3.43	2.09		1.48	1.34	1.34	1.61	QRC-HH-12-F-NF08-VT-W5	128.31	QRC-HH-12-M-NF08-V-W5	39.68

Series HH-19 • BG 6 • Nominal Size 19

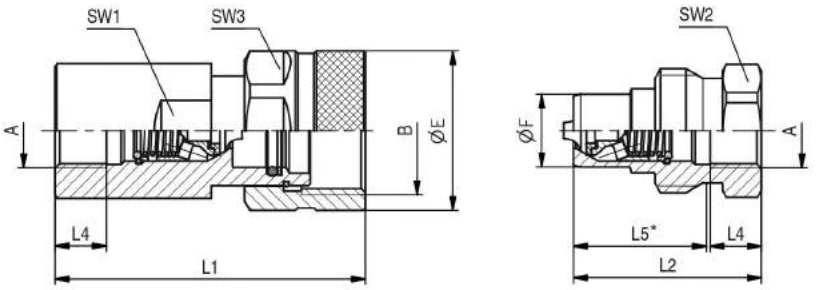
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 3/4"	55	27,9	1 3/4" - 6 UN	106	63	16	48	41	46	50	HH19-1-IGF12-VA	98,80	HH19-2-IGF12-VA	36,40
		2.16	1.10		4.17	2.48	.63	1.89	1.61	1.81	1.97	QRC-HH-19-F-G12-VT-W5	217.82	QRC-HH-19-M-G12-V-W5	80.25
	NPFT 3/4" -14	55	27,9	1 3/4" - 6 UN	106	63		48	41	46	50	HH19-1-INF12-VA	99,70	HH19-2-INF12-VA	37,30
		2.16	1.10		4.17	2.48		1.89	1.61	1.81	1.97	QRC-HH-19-F-NF12-VT-W5	219.80	QRC-HH-19-M-NF12-V-W5	82.23

HH

Series HH-25 • BG 8 • Nominal Size 25

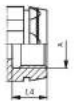
	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1"	60	31,2	M52x4	123	72	18	56	50	50	55	HH25-1-IGF16-VA	146,50	HH25-2-IGF16-VA	52,40
		2.36	1.23		4.84	2.83	.71	2.20	1.97	1.97	2.16	QRC-HH-25-F-G16-VT-W5	322.98	QRC-HH-25-M-G16-V-W5	115.52
	NPTF 1" -11 1/2	60	31,2	M52x4	123	72		56	50	50	55	HH25-1-INF16-VA	148,10	HH25-2-INF16-VA	54
		2.36	1.23		4.84	2.83		2.20	1.97	1.97	2.16	QRC-HH-25-F-NF16-VT-W5	326.50	QRC-HH-25-M-NF16-V-W5	119.05

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 HH-12.
* Insertion Male Tip.

Series HH-31 ▪ BG 10 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1 1/4"	80	44	M68x6	153	86	20	72	65	65	75	HH31-1-IGF20-VA	293,30	HH31-2-IGF20-VA	107,40
		3.15	1.73		6.02	3.39	.79	2.83	2.56	2.56	2.95	QRC-HH-31-F-G20-VT-W5	646.62	QRC-HH-31-M-G20-V-W5	236.78
	NPTF 1 1/4" -11 1/2	80	44	M68x6	153	86		72	65	65	75	HH31-1-INF20-VA	295	HH31-2-INF20-VA	109,20
		3.15	1.73		6.02	3.39		2.83	2.56	2.56	2.95	QRC-HH-31-F-NF20-VT-W5	650.36	QRC-HH-31-M-NF20-V-W5	240.74

Series HH-38 ▪ BG 12 ▪ Nominal Size 38

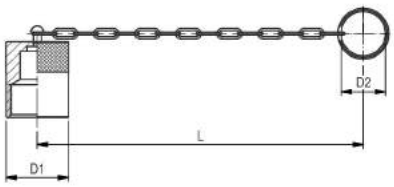
	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 1 1/2"	98	53,4	M78x6	172	95	22	80	75	80	90	HH38-1-IGF24-VA	455	HH38-2-IGF24-VA	173,40
		3.86	2.10		6.77	3.74	.87	3.15	2.95	3.15	3.54	QRC-HH-38-F-G24-VT-W5	1003.10	QRC-HH-38-M-G24-V-W5	382.28
	NPTF 1 1/2" -11 1/2	98	53,4	M78x6	172	95		80	75	80	90	HH38-1-INF24-VA	457	HH38-2-INF24-VA	173
		3.86	2.10		6.77	3.74		3.15	2.95	3.15	3.54	QRC-HH-38-F-NF24-VT-W5	1007.51	QRC-HH-38-M-NF24-V-W5	381.40

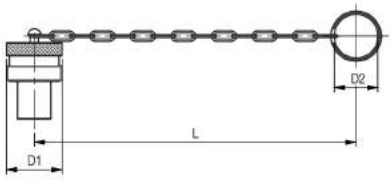
Series HH-51 ▪ BG 14 ▪ Nominal Size 51

	Port A	Dimensions (mm/in)										Female Body	Weight	Male Tip	Weight
												Old Part Numbers	(kg/lbs) ca.	Old Part Numbers	(kg/lbs) ca.
		ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	SW3	STAUFF Ordering Codes	per 100	STAUFF Ordering Codes	per 100
	Female Thread according to DIN 3852 - ANSI B 1.20.3														
	G 2"	129	81,8	M115x8	205	118	24	96	100	110	125	HH51-1-IGF32-VA	888	HH51-2-IGF32-VA	503
		5.07	3.22		8.07	4.65	.94	3.78	3.93	4.33	4.92	QRC-HH-51-F-G32-VT-W5	1957.71	QRC-HH-51-M-G32-V-W5	1108.93
	NPTF 2" -11 1/2	129	81,8	M115x8	205	118		96	100	110	125	HH51-1-INF32-VA	892	HH51-2-INF32-VA	507
		5.07	3.22		8.07	4.65		3.78	3.93	4.33	4.92	QRC-HH-51-F-NF32-VT-W5	1966.52	QRC-HH-51-M-NF32-V-W5	1117.74

HH

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.





Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
34	30	240	Aluminium with chain	HH10-0-SI001
1.34	1.18	9.45		QRC-HH-10-DM-30/CN-W89-SI
38	30	240	Aluminium with chain	HH12-0-SI001
1.50	1.18	9.45		QRC-HH-12-DM-30/CN-W89-SI
48	41	290	Aluminium with chain	HH19-0-SI001
1.89	1.61	11.42		QRC-HH-19-DM-41/CN-W89-SI
58	48	300	Aluminium with chain	HH25-0-SI001
2.28	1.89	11.81		QRC-HH-25-DM-48/CN-W89-SI
81	48	400	Aluminium with chain	HH31-0-SI001
3.19	1.89	15.75		QRC-HH-31-DM-48/CN-W89-SI
85	46	260	Aluminium with chain	HH38-0-SI001
3.35	1.81	10.24		QRC-HH-38-DM-46/CN-W89-SI
100	46	300	Aluminium with chain	HH51-0-SI001
3.94	1.81	11.81		QRC-HH-51-DM-46/CN-W89-SI

Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
34	30	240	Aluminium with chain	HH10-9-SI001
1.34	1.18	9.45		QRC-HH-10-DF-30/CN-W89-SI
34	30	240	Aluminium with chain	HH12-9-SI001
1.34	1.18	9.45		QRC-HH-12-DF-30/CN-W89-SI
53	48	300	Aluminium with chain	HH19-9-SI001
2.09	1.89	11.81		QRC-HH-19-DF-48/CN-W89-SI
53	41	290	Aluminium with chain	HH25-9-SI001
2.09	1.61	11.42		QRC-HH-25-DF-41/CN-W89-SI
71	48	400	Aluminium with chain	HH31-9-SI001
2.80	1.89	15.75		QRC-HH-31-DF-48/CN-W89-SI
98	46	210	Aluminium with chain	HH38-9-SI001
3.86	1.81	8.27		QRC-HH-38-DF-46/CN-W89-SI
115	46	270	Aluminium with chain	HH51-9-SI001
4.53	1.81	10.63		QRC-HH-51-DF-46/CN-W89-SI

Series HI (HIB) • Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®), PU [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve (HI), Ball Valve (HIB) (optional)
Connection	Screw
Disconnection	Screw
Connect Under Pressure	not allowed
Application	Industrial Hydraulic, Rescue and Tensioning Hydraulics
ISO Interchange	ISO 14540

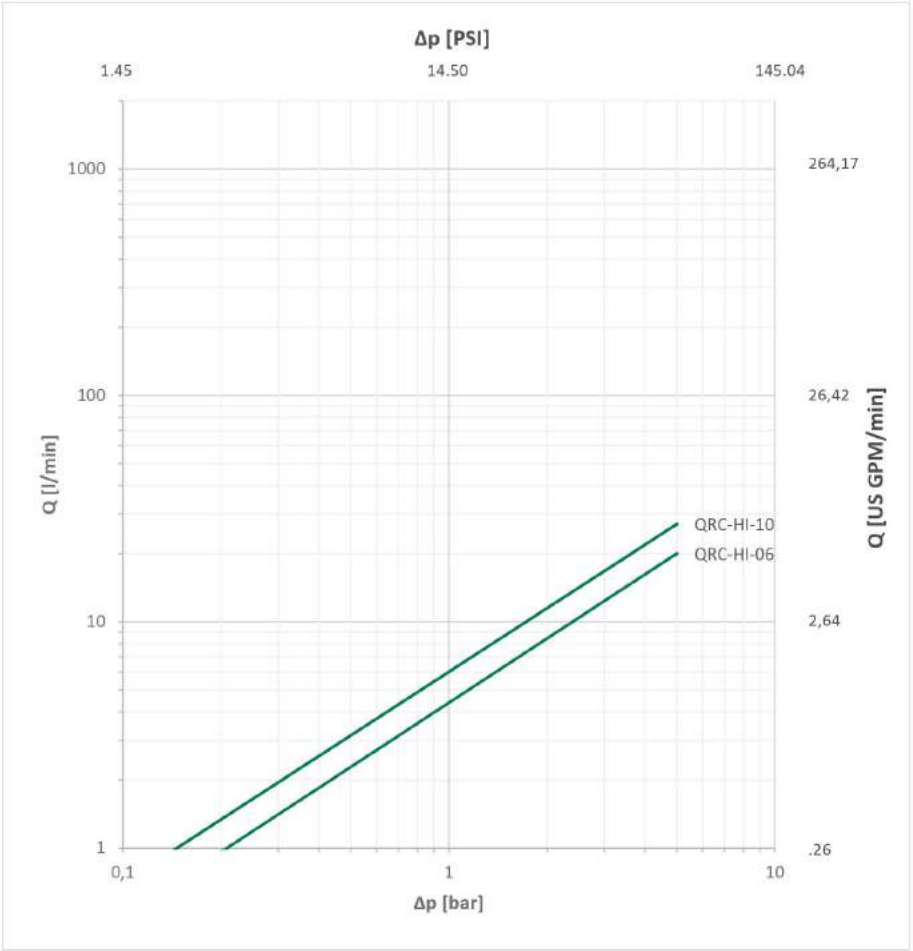
[2] Alternative seal materials are available on request.

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Bursting Pressure Female Body bar	Bursting Pressure Female Body PSI	Bursting Pressure Male Tip bar	Bursting Pressure Male Tip PSI	Spillage ml	Spillage fl oz
HI-06	1	1/4"	6,3	10	2.64	720	10443	2160	31328	2160	31328	2160	31328	0,5	.0176
HI-10	2	3/8"	10	20	5.28	720	10443	2160	31328	2160	31328	2160	31328	1	.0352
HIB-06	1	1/4"	6,3	10	2.64	720	10443	2160	31328	1440	20885	1440	20885	0,5	.0176
HIB-10	2	3/8"	10	20	5.28	720	10443	2160	31328	1440	20885	1440	20885	1	.0352

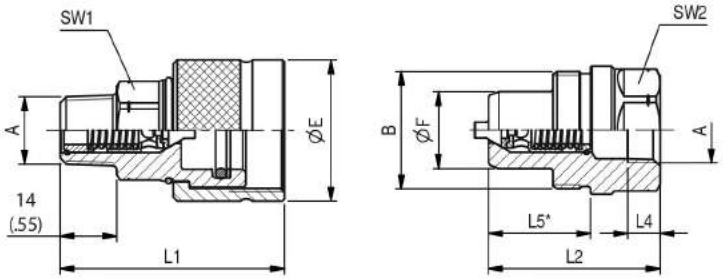
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



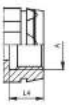
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

HI

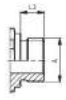


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HI-10.
* Insertion Male Tip.

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

	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to ANSI B 1.20.3													
	NPFT 1/4" -18	30	15,9	1" - 18 UNS	51,8			11,1	22	19	HI06-1-ANF04	13,10		
		1.18	.63		2.04			.44	.87	.75	QRC-HI-06-F-NF04M-S1-W3	28.88		
	Female Thread according to DIN 3852 - ANSI B 1.20.3													
	G 1/4"	30	15,9	1" - 18 UNS	51,3	40,4	12	11,1	22	19	HI06-1-IGF04	14,90	HI06-2-IGF04	9
		1.18	.63		2.02	1.59	.47	.44	.87	.75	QRC-HI-06-F-G04-BP-W3	32.85	QRC-HI-06-M-G04-BP-W3	19.84
	NPFT 1/4" -18	30	15,9	1" - 18 UNS	51,3	40,5		11,1	22	19	HI06-1-INF04	15	HI06-2-INF04	9,10
		1.18	.63		2.02	1.59		.44	.87	.75	QRC-HI-06-F-NF04-BP-W3	33.07	QRC-HI-06-M-NF04-BP-W3	20.06

Series HI-10 ▪ BG 2 ▪ Nominal Size 10

	Port A	Dimensions (mm/in) ØE	ØF	B	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread according to ANSI B 1.20.3													
	NPTF 3/8" -18	35	19	1"3/16-16UN	56			25,3	24	32	HI10-1-ANF06	16,50		
		1.38	.75		2.19			.99	.94	1.26	QRC-HI-10-F-NF06M-S1-W3	36.38		
	Female Thread according to ANSI B 1.20.3													
	NPTF 3/8" -18	35	19	1"3/16-16UN	42,5			25,3	24	32			HI10-2-INF06	13.80
		1.38	.75		1.67			.99	.94	1.26			QRC-HI-10-M-NF06-BP-W3	30.40

In addition to the version with poppet valve is a version with ball valve available.
Please use for these version the code HIB instead of HI.

HI

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 HT ▪ 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	Screw
Disconnection	Screw
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	-

[2] Alternative seal materials are available on request.

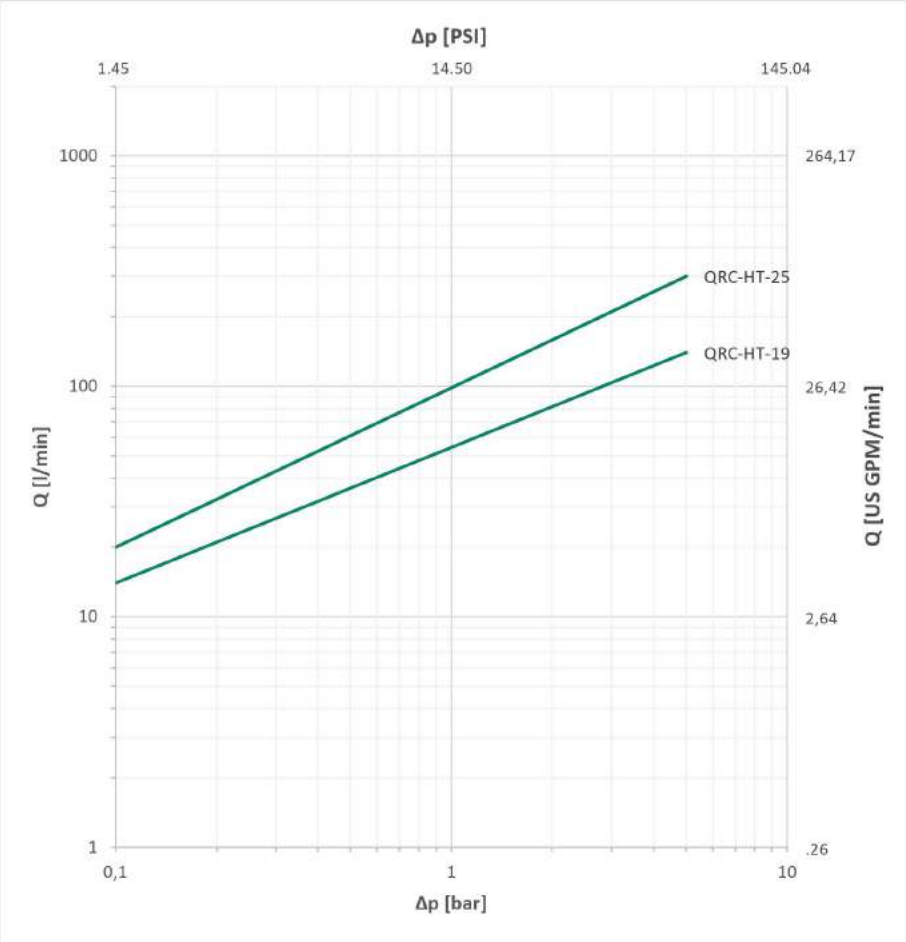
Male Tip Female Body

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Bursting Pressure Female Body bar	Bursting Pressure Female Body PSI	Bursting Pressure Male Tip bar	Bursting Pressure Male Tip PSI	Spillage ml	Spillage fl oz
HT-19	6	3/4"	19 (20)	240	63.40	350	5076	1300	18855	1000	14504	1000	14504	10	.3381
HT-25	8	1"	25	320	84.53	300	4351	1000	14504	1000	14504	1000	14504	15	.5072

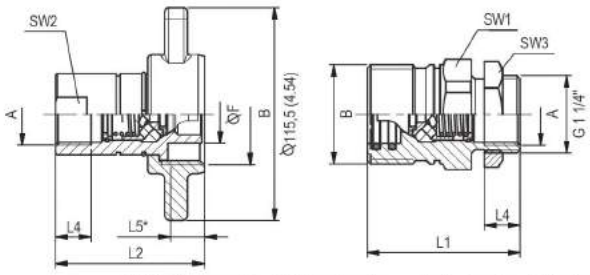
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



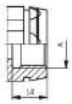
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

HT



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HT-25.
* Insertion Male Tip.

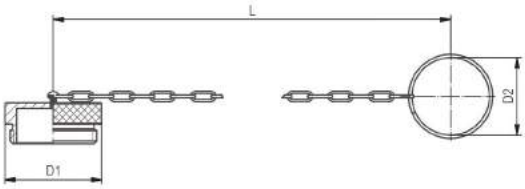
Series HT-19 ▪ BG 6 ▪ Nominal Size 19

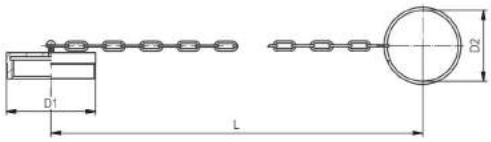
	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 3/4"	1 3/4" - 12 UN	25,2	78	80	16	25	46	33	50	HT19-1-IGF12	75,50	HT19-2-IGF12	70,40
			.99	3.07	3.15	.63	.98	1.81	1.30	1.97	QRC-HT-19-F-G12-B-W3	166.45	QRC-HT-19-M-G12-B-W3	155.21

Series HT-25 ▪ BG 8 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØB	ØF	L1	L2	L4 min	L5	SW1	SW2	SW3	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852													
	G 1"	UNS 2 1/8"	31,75	81,5	81,5	18	18,5	55	40	50	HT25-1-IGF16	87,40	HT25-2-IGF16	91,50
			1.25	3.21	3.21	.71	.73	2.16	1.57	1.97	QRC-HT-25-F-G16-B-W3	192.68	QRC-HT-25-M-G16-B-W3	201.72

Series HT ▪ Dust Protection





Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
49,5	49	270	Carbon Steel with chain	HT19-0-ST001
1.95	1.93	10.63		QRC-HT-19-DF-49/CN-W3
59,5	49	270	Carbon Steel with chain	HT25-0-ST001
2.34	1.93	10.63		QRC-HT-25-DF-49/CN-W3

Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
49	41	270	Carbon Steel with chain	HT19-9-ST001
1.93	1.61	10.63		QRC-HT-19-DM-41/CN-W3
59,5	49	270	Carbon Steel with chain	HT25-9-ST001
2.34	1.93	10.63		QRC-HT-25-DM-49/CN-W3

HT

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 HM ▪ Carbon Steel and Brass

Series HM ▪ Carbon Steel and Brass

Material	Brass and Carbon Steel
Surface Finishing	Carbon Steel: Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	-

[2] Alternative seal materials are available on request.

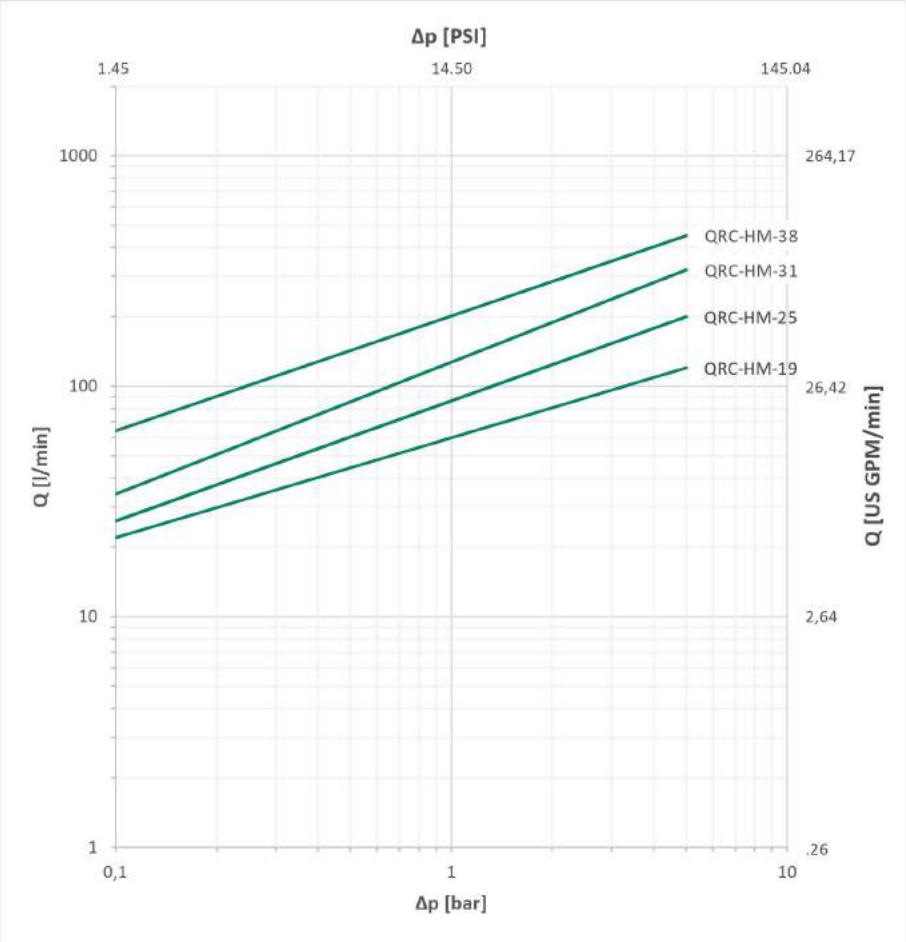
Female Body Male Tip

Technical Data

Series	BG	DN Zoll Inch	DN metric ISO 4397	Q_{max} l/min	Q_{max} US GPM	Working Pressure bar	Working Pressure PSI	Bursting Pressure Connected bar	Bursting Pressure Connected PSI	Bursting Pressure Female Body bar	Bursting Pressure Female Body PSI	Bursting Pressure Male Tip bar	Bursting Pressure Male Tip PSI	Spillage ml	Spillage fl oz
HM-19	6	3/4"	19 (20)	220	58.12	210	3046	1160	16824	580	8412	460	6672	0,15	.0051
HM-25	8	1"	25	260	68.68	210	3046	880	12763	720	10443	370	5366	0,4	.0135
HM-31	10	1 1/4"	31	400	105.67	190	2756	520	7542	570	8267	430	6237	0,65	.0220
HM-38	12	1 1/2"	38	600	158.50	170	2466	500	7252	350	5076	430	6237	0,85	.0287

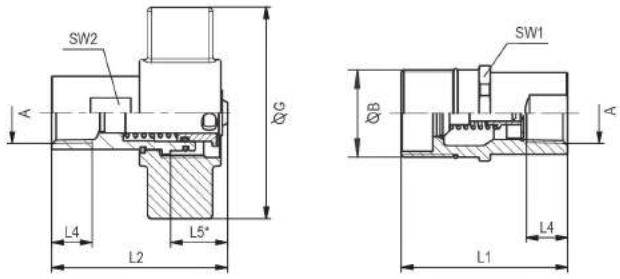
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



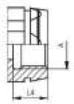
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

HM

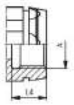


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HM-25.
* Insertion Male Tip.

Series HM-19 • BG 6 • Nominal Size 19

	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1/2" -14	1"1/2 - 12 UNF	102	79	80,5			41,3	28,6	HM19-1-INF08	63,50	HM19-2-INF08	43
			4.01	3.11	3.17			1"5/8	1"1/8	QRC-HM-19-F-NF08-BT-W162	139.99	QRC-HM-19-M-NF08-B-W162	94.80
	NPFT 3/4" -14	1"1/2 - 12 UNF	102	79	80,5			41,3	28,6	HM19-1-INF12	60,20	HM19-2-INF12	39,50
			4.01	3.11	3.17			1"5/8	1"1/8	QRC-HM-19-F-NF12-BT-W162	132.72	QRC-HM-19-M-NF12-B-W162	87.08

Series HM-25 • BG 8 • Nominal Size 25

	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1" -11 1/2	1"7/8 - 12 UN	114,5	90	95,3			48	36,3	HM25-1-INF16	104	HM25-2-INF16	63,30
			4.50	3.54	3.75			1"7/8	1"7/16	QRC-HM-25-F-NF16-BT-W162	229.28	QRC-HM-25-M-NF16-B-W162	139.55

Series HM-31 • BG 10 • Nominal Size 31,5

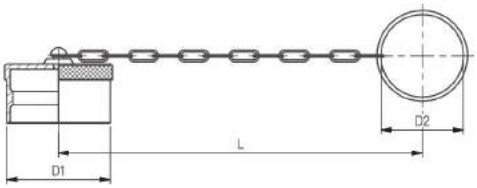
	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/4" -11 1/2	2"1/8 - 12 UN	135	94,2	100			55,1	44,5	HM31-1-INF20	125,50	HM31-2-INF20	76,50
			4.31	3.71	3.94			2"3/16	1"3/4	QRC-HM-31-F-NF20-BT-W162	276.68	QRC-HM-31-M-NF20-B-W162	168.65

Series HM-38 • BG 12 • Nominal Size 38

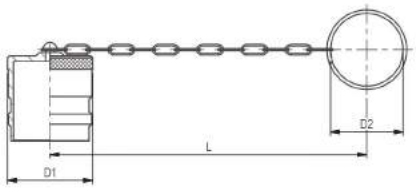
	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/2" -11 1/2	2"1/2 - 12 UN	135	104,5	103			63,5	50,8	HM38-1-INF24	155	HM38-2-INF24	116
			5.31	4.11	4.06			2"1/2	2"	QRC-HM-38-F-NF24-BT-W162	341.72	QRC-HM-38-M-NF24-B-W162	255.74

HM

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.



Dimensions (mm/in)			Material	Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
40	30	210	Brass with chain	HM19-0-MS001
1.57	1.18	8.27		QRC-HM-19-DF-30/CN-W69
48,0	41	270	Brass with chain	HM25-0-MS001
1.89	1.61	10.63		QRC-HM-25-DF-41/CN-W69
56	48	280	Brass with chain	HM31-0-MS001
2.20	1.89	11.02		QRC-HM-31-DF-48/CN-W69
63	48	280	Brass with chain	HM38-0-MS001
2.48	1.89	11.02		QRC-HM-38-DF-48/CN-W69



Dimensions (mm/in)			Material	Dust Cap for Male Tip Old Part Numbers STAUFF Ordering Codes
D1	D2	L		
41	30	210	Brass with chain	HM19-9-MS001
1.61	1.18	8.27		QRC-HM-19-DM-30/CN-W69
53	41	270	Brass with chain	HM25-9-MS001
2.09	1.61	10.63		QRC-HM-25-DM-41/CN-W69
62	48	280	Brass with chain	HM31-9-MS001
2.44	1.89	11.02		QRC-HM-31-DM-48/CN-W69
69	48	280	Brass with chain	HM38-9-MS001
2.72	1.89	11.02		QRC-HM-38-DM-48/CN-W69

Series HV ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	Male Tip and Female Body up to max. 100 bar / 1450 PSI allowed
Application	Industrial Hydraulic
ISO Interchange	-

[2] Alternative seal materials are available on request.

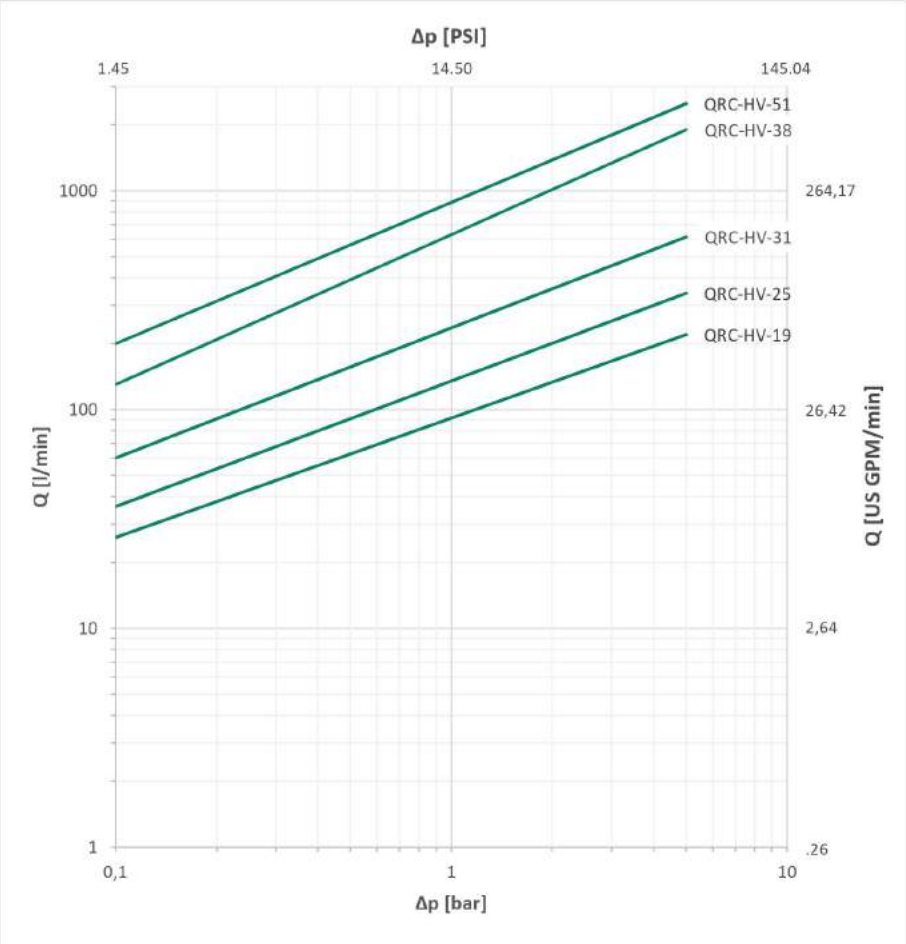
Female Body Male Tip

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
HV-19	6	3/4"	19 (20)	190	50.19	350	5076	1500	21756	750	10878	1400	20305	8	.2705
HV-25	8	1"	25	280	73.97	350	5076	1600	23206	900	13053	1500	21756	16	.5410
HV-31	10	1 1/4"	31	480	126.80	350	5076	1300	18855	850	12328	1600	23206	31	1.0482
HV-38	12	1 1/2"	38	700	184.92	350	5076	1200	17404	600	8702	900	13053	64	2.1641
HV-51	14	2"	51	1000	264.17	350	5076	1100	15954	500	7252	600	8702	141	4.7678

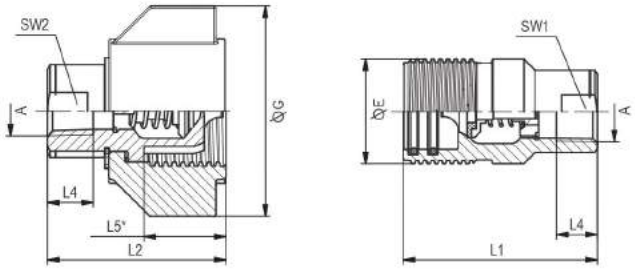
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

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.

HV



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HV-25.
* Insertion Male Tip.

Series HV-19 • BG 6 • Nominal Size 19

	Port A	Dimensions (mm/in) ØE	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPFT 3/4" -14	44,5	72	83	62		22	31,8	31,8	HV19-1-INF12	84	HV19-2-INF12	48
		1.75	2.83	3.27	2.44		0.87	1"1/4	1"1/4	QRC-HV-19-F-NF12-BT-W66	185.19	QRC-HV-19-M-NF12-B-W66	105.82

Series HV-25 • BG 8 • Nominal Size 25

	Port A	Dimensions (mm/in) ØE	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1" -11 1/2	57	102	106	87,6		39,95	41,3	41,3	HV25-1-INF16	114,50	HV25-2-INF16	110
		2.25	4.01	4.17	3.45		1.57	1"5/8	1"5/8	QRC-HV-25-F-NF16-BT-W66	252.43	QRC-HV-25-M-NF16-B-W66	242.51

Series HV-31 • BG 10 • Nominal Size 31,5

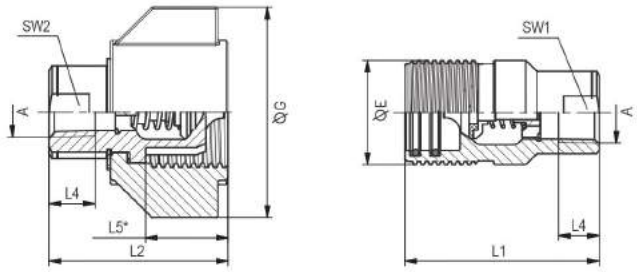
	Port A	Dimensions (mm/in) ØE	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/4" -11 1/2	66,5		136	113		51			HV31-1-INF20	253	HV31-2-INF20	187
		2.62		5.35	4.45		12.01			QRC-HV-31-F-NF20-BT-W66	557.77	QRC-HV-31-M-NF20-B-W66	412.26

Series HV-38 • BG 12 • Nominal Size 38

	Port A	Dimensions (mm/in) ØE	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/2" -11 1/2	82,5	140	152	133,3		64,3			HV38-1-INF24	401	HV38-2-INF24	310
		3.25	5.51	5.98	5.25		2.53			QRC-HV-38-F-NF24-BT-W66	884.05	QRC-HV-38-M-NF24-B-W66	683.43

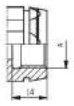
HV

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.

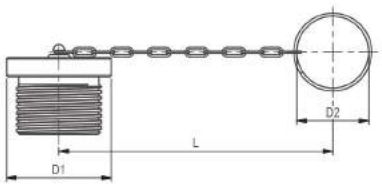


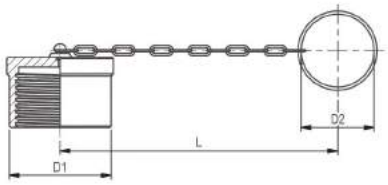
SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HV-25.
* Insertion Male Tip.

Series HV-51 ▪ BG 14 ▪ Nominal Size 51

	Port A	Dimensions (mm/in) ØE	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Old Part Numbers / STAUFF Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 2" -11 1/2	101	162	179	151,5		75,5			HV51-1-INF32	793,50	HV51-2-INF32	557
		3.97	6.37	7.05	5.96		2.97			QRC-HV-51-F-NF32-BT-W66	1749.67	QRC-HV-51-M-NF32-B-W66	1227.98

Series HV ▪ Dust Protection





Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Old Part Numbers / STAUFF Ordering Codes
			Aluminium with chain	HV19-0-SI001*
				QRC-HV-19-DF-CN-W89-SI*
69,5	48	270	Aluminium with chain	HV25-0-SI001
2.74	1.89	10.63		QRC-HV-25-DF-48/CN-W89-SI
75,5	49	270	Aluminium with chain	HV31-0-SI001
2.97	1.93	10.63		QRC-HV-31-DF-49/CN-W89-SI
95,5	48	280	Aluminium with chain	HV38-0-SI001
3.76	1.89	11.02		QRC-HV-38-DF-48/CN-W89-SI
			Aluminium with chain	HV51-0-SI001*
				QRC-HV-51-DF-CN-W89-SI*

Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Old Part Numbers / STAUFF Ordering Codes
			Aluminium with chain	HV19-9-SI001*
				QRC-HV-19-DM-CN-W89-SI*
70	48	270	Aluminium with chain	HV25-9-SI001
2.76	1.89	10.63		QRC-HV-25-DM-48/CN-W89-SI
80,5	49	270	Aluminium with chain	HV31-9-SI001
3.17	1.93	10.63		QRC-HV-31-DM-49/CN-W89-SI
96	48	280	Aluminium with chain	HV38-9-SI001
3.78	1.89	11.02		QRC-HV-38-DM-48/CN-W89-SI
			Aluminium with chain	HV51-9-SI001*
				QRC-HV-51-DM-CN-W89-SI*

* Available on request.

HV

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.

In addition of our common couplings series, we also have various special designs for a huge range of special applications, even outside the hydraulic area, in our portfolio.

We are open minded to find customized solutions for all kind of applications and different influencing factors and work them out for or together with our customers.

Water Application

Electro-technics

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.

Automotive Engineering

Agricultural Engineering

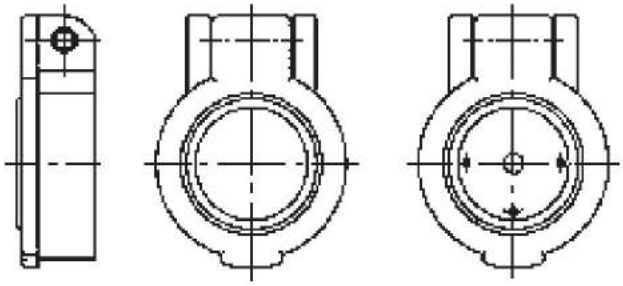
Refrigeration

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.

Dust cover clips

Description
This dust guard can be fitted to the Female Body after installation for the Series HP and FF. The cap is also available with an optional drill hole for a marking clip.

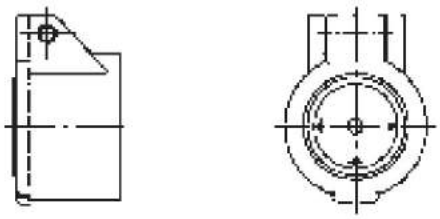
In addition to the standard colour black, plastic dust caps are also available for the types HP-10 and the series FF in blue, green, yellow and red. Please use the old color codes BL, GN, GE and RT respectively instead of SW. Please use the STAUFF codes BU, GN, YE and RD respectively instead of BK. The types HP-08 and HP-12 are only available in black.



Type	Without bore	With bore
	Old Part Numbers	Old Part Numbers
	STAUFF Ordering Codes	STAUFF Ordering Codes
HP-10 + FF-10		SZ08-6-SW001C1
		QRC-SZ-SF-32/L-K-BK
UX-12/HP-12 + FF-12	SZ10-6-SW001A1	SZ10-6-SW002C1
	QRC-SZ-SF-38-K-BK	QRC-SZ-SF-38/L-K-BK
HP-19 + FF-19		SZ12-6-SW002C1
		QRC-SZ-SF-46/L-K-BK

Dust cover body

Description
The dust guard is used to protect the carrier half against pollution. The cap is also available with an optional drill hole for a marking clip.



Type	Without bore	With bore
	Old Part Numbers	Old Part Numbers
	STAUFF Ordering Codes	STAUFF Ordering Codes
RH-10	RH-08-7-SW001A1	RH-08-7-SW001C1
	QRC-RH-10-BF-30-K-BK	QRC-RH-10-BF-30/L-K-BK