Series RH ▪ Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel
Standard Seal Material(s)	NBR (Buna-N®), PTFE [2]
Working Temperature	-30° C ... +100° C / -22° 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	-



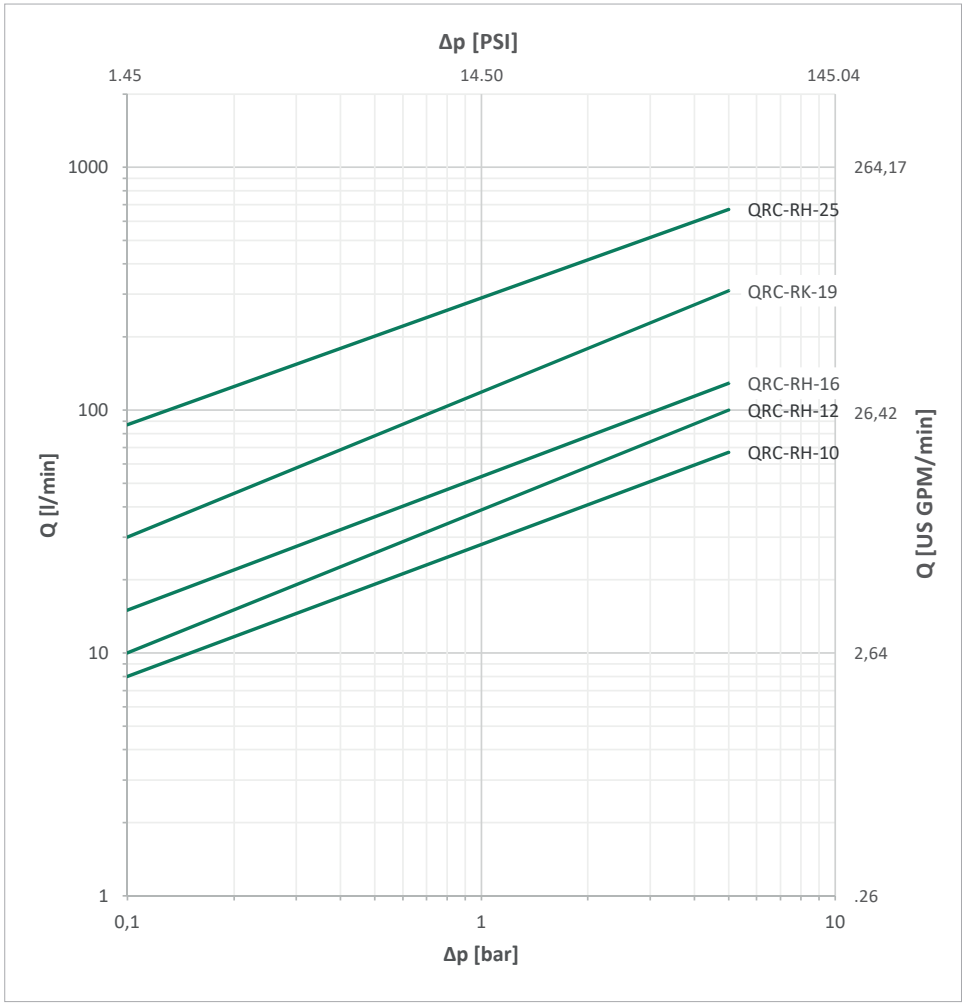
[2] Alternative seal materials are available on request.

Technical Data

Series	BG	DN Zoll	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
RH-10	2	3/8"	10	40	10.57	420	6092	1300	18855	1350	19580	1450	210301	0,1	.0034
RH-12	3	1/2"	12,5	70	18.49	420	6092	1260	18275	1260	18275	1260	18275	0,16	.0054
RH-16	4	5/8"	16	105	27.74	420	6092	1260	18275	1260	18275	1260	18275	1,02	.0344
RH-19	6	3/4"	19	200	52.83	420	6092	1300	18855	1400	20305	1200	17405	0,86	.0291
RH-25	8	1"	25	500	132.09	420	6092	1150	16679	1100	15954	900	13053	2,84	.0960

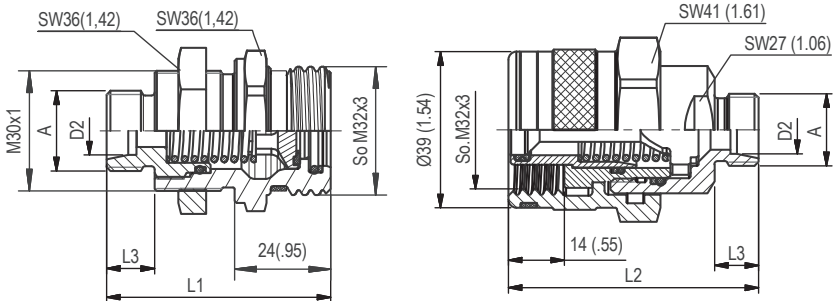
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.
* in connected and disconnected condition.

Flow Characteristics



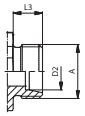
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

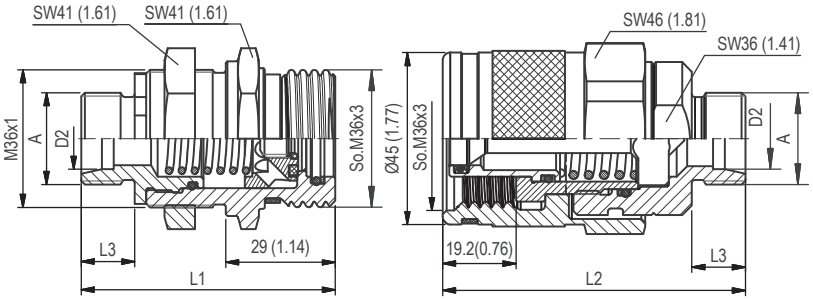
RH



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

Series RH-10 ▪ BG 2 ▪ Nominal Size 10

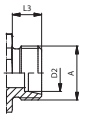
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M14x1.5	8L	54	61	10		QRC-RH-10-F-08L-S1-W3	20,80	QRC-RH-10-M-08L-BT-W3	31,80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



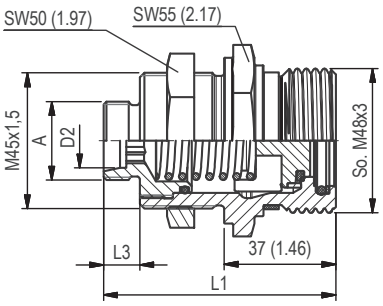
SW: Width across flats. All dimensions in mm (inch).

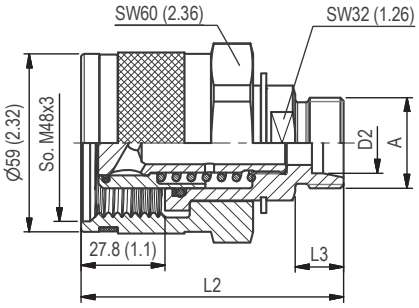
RH

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

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

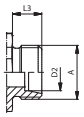
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

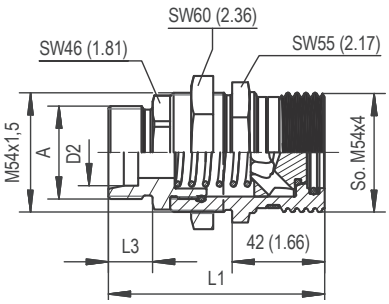


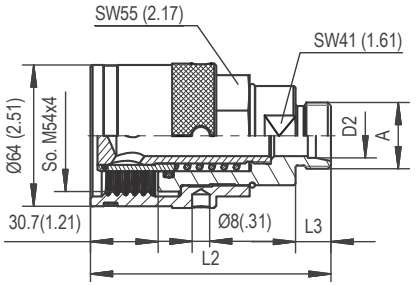


SW: Width across flats. All dimensions in mm (inch).

Series RH-16 ▪ BG 4 ▪ Nominal Size 16

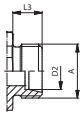
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861									
	M22x1,5	15L	77	77	12		QRC-RH-16-F-15L-S1-W3	61,40	QRC-RH-16-M-15L-BT-W3	94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





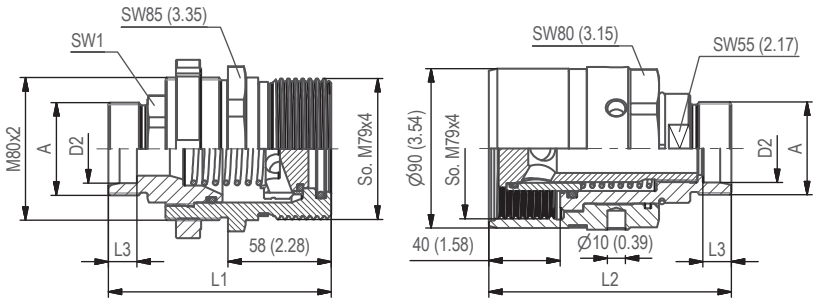
SW: Width across flats. All dimensions in mm (inch).

Series RH-19 ▪ BG 6 ▪ Nominal Size 19

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

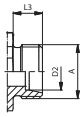
RH

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.

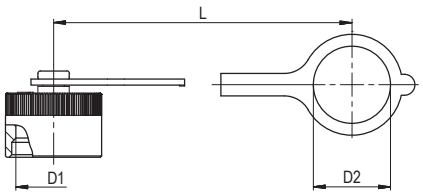


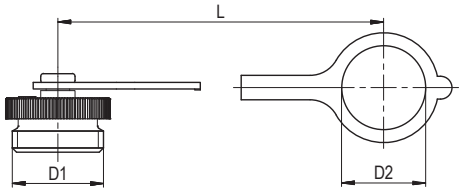
SW: Width across flats. All dimensions in mm (inch).

Series RH-25 ▪ BG 8 ▪ Nominal Size 25

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

Series RH ▪ Dust Protection





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

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





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

Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Male Tip Ordering Codes
So. M48x3			Aluminium silver with chain	QRC-RH-16-DM-CN-W89-SI
So. M54x4			Aluminium silver with chain	QRC-RH-19-DM-CN-W89-SI
So. M79x4			Aluminium silver with chain	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 color codes BU, GN, YE and BK respectively instead of RD.

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