Product Description

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

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

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

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

Features

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

Applications

Agricultural and Forestry Machinery

Top Features

Suitable for panel mounting

Designed for secure connection



Series HP ▪ Carbon Steel

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



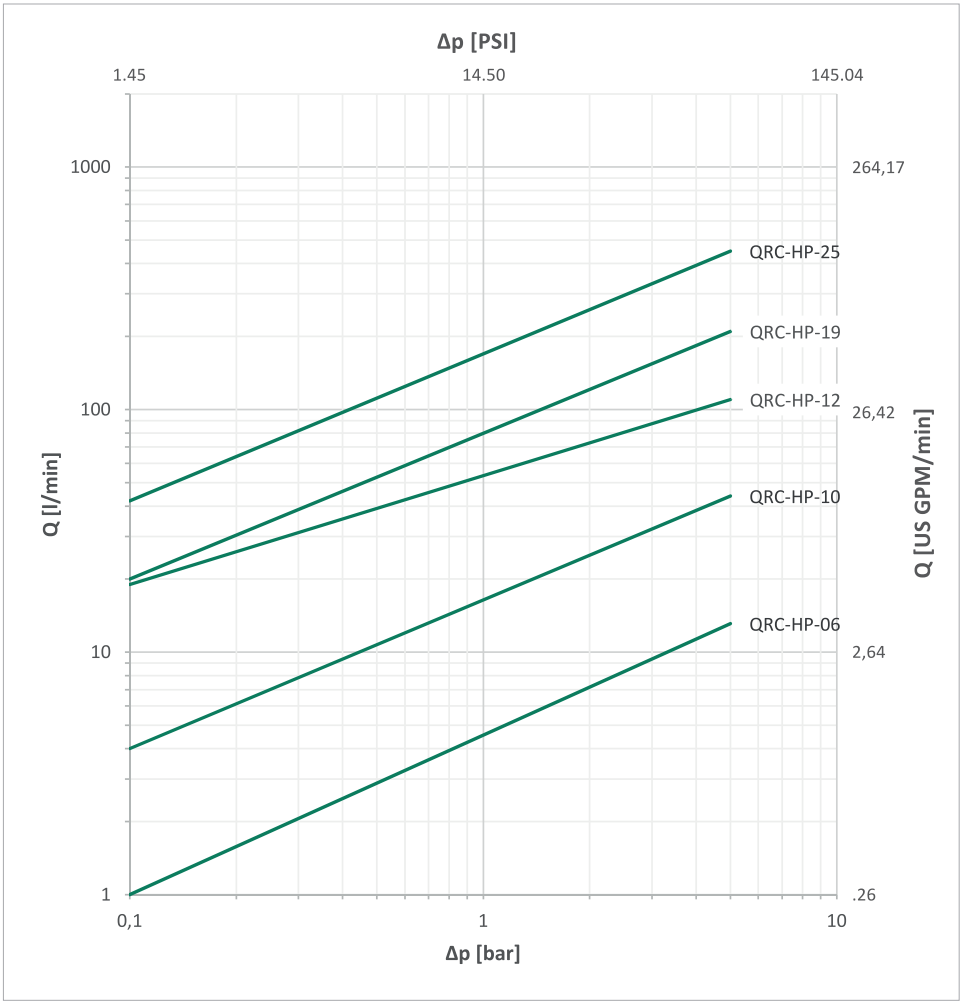
[1] Only Nominal Size 12,5
[2] Alternative seal materials are available on request.

Technical Data

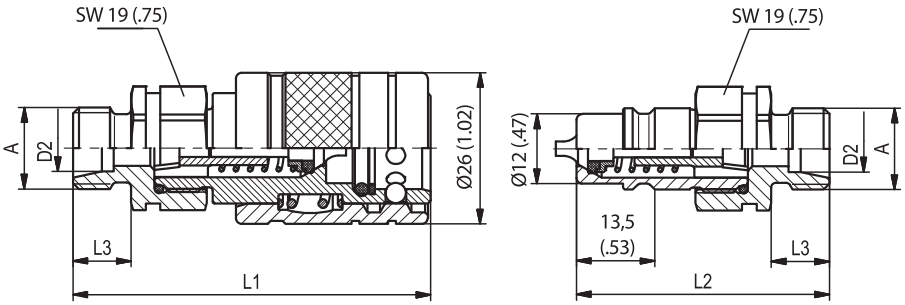
Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HPA-06	1	1/4"	6,3	20	5.28	250	3626	1000	14504	1000	14504	1000	14504	0,8	.0271
HP(A)-10	2	3/8"	10	35	9.25	250	3626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

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

Flow Characteristics

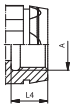
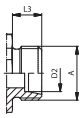
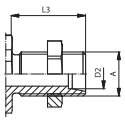


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm^2/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

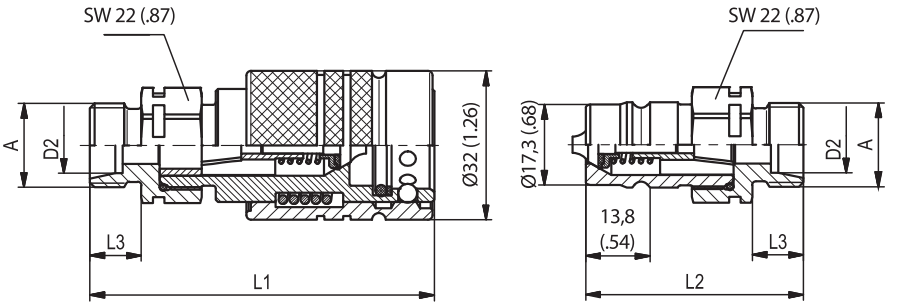


SW: Width across flats. All dimensions in mm (inch).

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

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

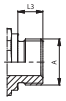
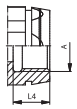
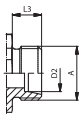
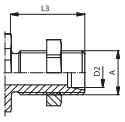
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

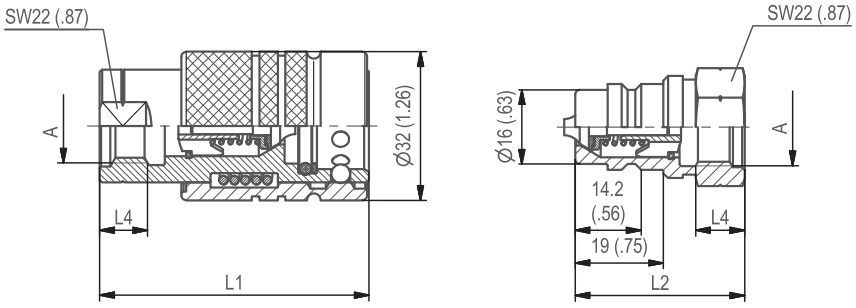
Series HP-10 ▪ BG 2 ▪ Nominal Size 10

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

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

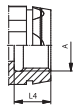
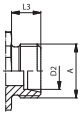
* Available on request.

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.

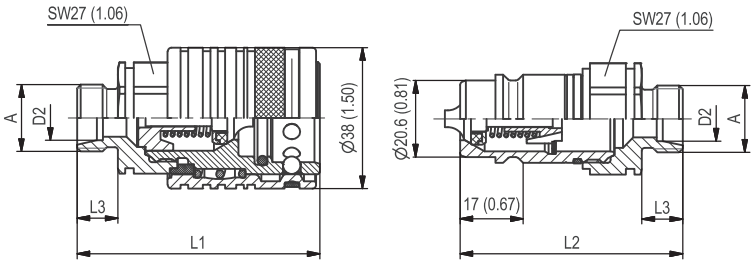


SW: Width across flats. All dimensions in mm (inch).

Series HPA-10 ▪ BG 2 ▪ Nominal Size 10

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

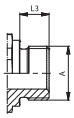
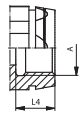
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



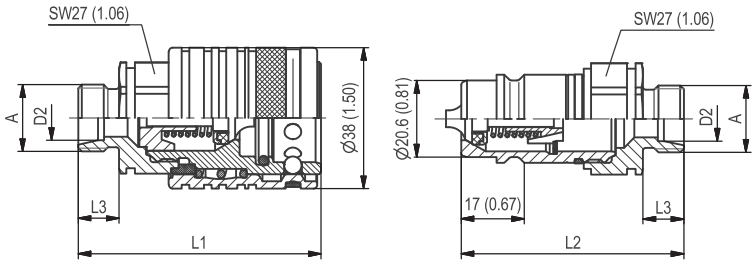
SW: Width across flats. All dimensions in mm (inch).

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 Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip 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		QRC-HP-12-F-B06-B-W3	29	QRC-HP-12-M-B06-B-W3	11,90
			2.80	2.40	.47			63.93		26.24
	G 1/2"		71	61	12		QRC-HP-12-F-B08-B-W3	29,60	QRC-HP-12-M-B08-B-W3	12,30
			2.80	2.40	.47			65.26		27.12
	M22x1,5		71	61	12		QRC-HP-12-F-M22M-B-W3	30	QRC-HP-12-M-M22M-B-W3	12,90
			2.80	2.40	.47			66.14		28.44
	Female Thread according to DIN 3852-2-A - ISO 6149-1 - ISO 9974-1 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1									
	G3/8"		68	60		15	QRC-HP-12-F-G06-B-W3	33,10	QRC-HP-12-M-G06-B-W3	15,30
			2.68	2.36		.59		72.97		33.73
	G 1/2"		70	48		17	QRC-HP-12-F-G08-B-W3	28	QRC-HP-12-M-G08-B-W3	9,20
			2.76	1.89		.67		61.73		20.28
	M16x1,5		67	62		15	QRC-HP-12-F-M16OR-B-W3	31,80	QRC-HP-12-M-M16OR-B-W3	16
			2.65	2.43		.59		70.11		35.27
	M18x1,5		68	60		15	QRC-HP-12-F-M18OR-B-W3	31,80	QRC-HP-12-M-M18OR-B-W3	14,70
			2.68	2.36		.59		70.11		32.41
	M22x1,5		70	48		17	QRC-HP-12-F-M22-B-W3	28,40	QRC-HP-12-M-M22OR-B-W3	8,80
			2.76	1.89		.67		62.61		19.40
	NPTF 1/2"-14		70	48			QRC-HP-12-F-NF08-B-W3	29,40	QRC-HP-12-M-NF08-B-W3	9,40
			2.76	1.89				64.82		20.27
	UNF 3/4"-16		77	48		14	QRC-HP-12-F-U08-B-W3	27,80	QRC-HP-12-M-U08-B-W3	8,80
			3.03	1.89		.55		61.29		19.40

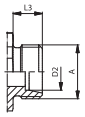
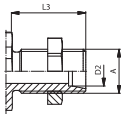
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



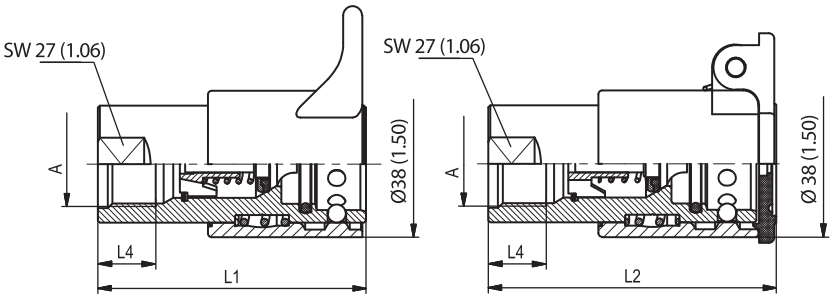
SW: Width across flats. All dimensions in mm (inch).

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

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

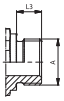
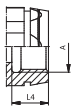
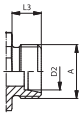
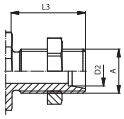


SW: Width across flats. All dimensions in mm (inch).

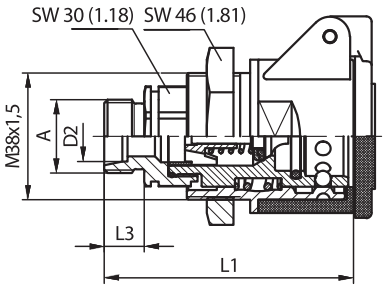
HP/HU

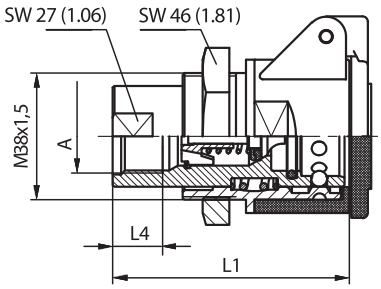
Series ZP-12 ▪ BG 3 ▪ Nominal Size 12,5

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

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

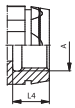
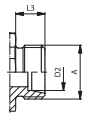


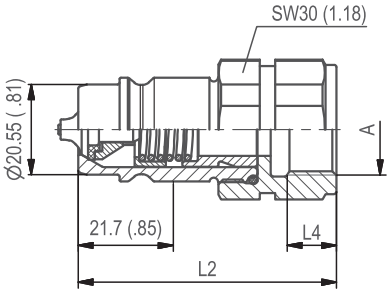


SW: Width across flats. All dimensions in mm (inch).

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

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

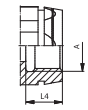
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100
	Innengewinde entsprechend ISO 9974-1							
	M22x1,5		75			15	QRC-AP-12-FF-M22M30-B-W3-RD/BK	38,10
			2.95			.59		84
	Male Thread with 24° Conical Bore - Shape W according to DIN 3861							
	M22x1,5	15L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



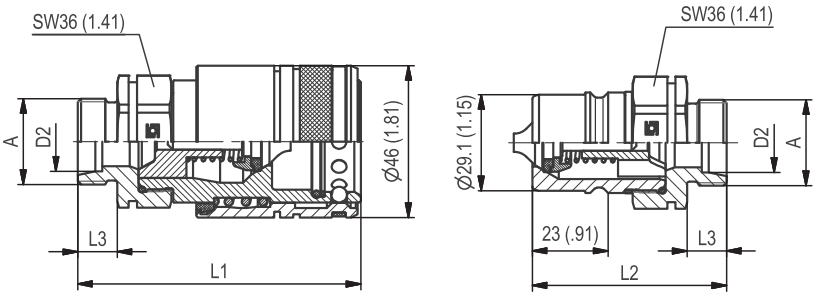
SW: Width across flats. All dimensions in mm (inch).

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

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

	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3							
	G3/8"			46		12	QRC-HU-12-M-G06-B-W3	16,60
				1.81		.47		36.60
	NPTF 3/8" -18			46			QRC-HU-12-M-NF06-B-W3	19,20
				1.81				42.33
	G1/2"			46		14	QRC-HU-12-M-G08-B-W3	16,20
				1.81		.55		35.71
	NPTF 1/2" -14			46			QRC-HU-12-M-NF08-B-W3	17,60
				1.81				38.80

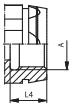
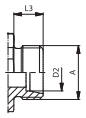
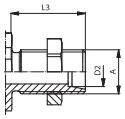
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



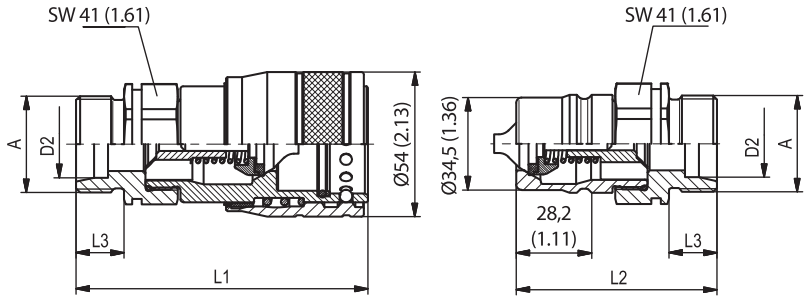
SW: Width across flats. All dimensions in mm (inch).

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

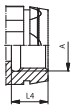
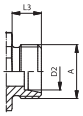
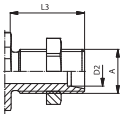
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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



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

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

Series HP-25 ▪ BG 6 ▪ Nominal Size 25

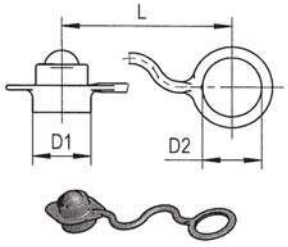
	Port A	Dimensions (mm/in) ØD2	L1	L2	L3	L4	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to DIN 3852-2-A - ANSI B 1.20.3									
	G3/4"		104	72		19	QRC-HP-25-F-G12-BT-W66	87,60	QRC-HP-25-M-G12-B-W66	40,90
			4.09	2.83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

* Available on request.

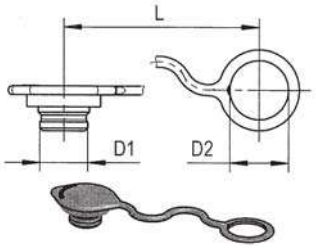
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction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

HP/HU

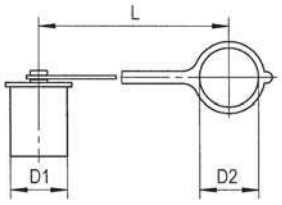
Series HP ▪ Dust Protection



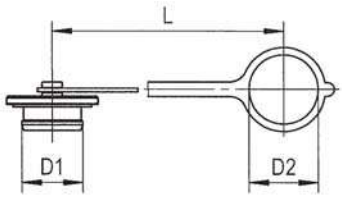
Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Ordering Codes
28	27	134	Plastic (Colour: Red)	QRC-HP-12-DM-27-K/1-RD
1.10	1.06	5.28		



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

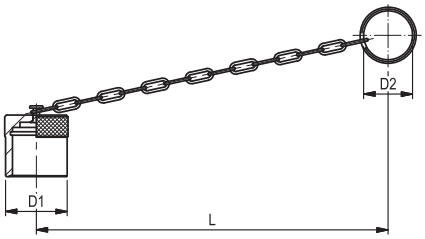


Dimensions (mm/in) D1	D2	L	Material	Dust Cap for Male Tip Ordering Codes
22	22	125	Plastic (Colour: Red)	QRC-HP-10-DM-22-K-RD
.87	.87	4.92		
33	37	190	Plastic (Colour: Red)	QRC-HP-19-DM-37-K-RD
1.30	1.46	7.48		
36	41	190	Plastic (Colour: Red)	QRC-HP-25-DM-41-K-RD
1.42	1.61	7.48		

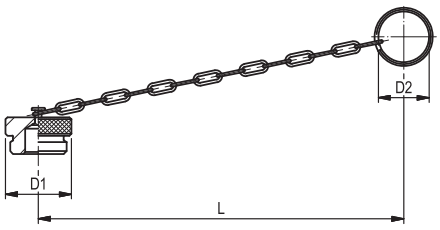


Dimensions (mm/in) D1	D2	L	Material	Dust Plug for Female Body Ordering Codes
18	22	125	Plastic (Colour: Red)	QRC-HP-10-DF-22-K-RD
.71	.87	4.92		
30	37	190	Plastic (Colour: Red)	QRC-HP-19-DF-37-K-RD
1.18	1.46	7.48		
36	41	190	Plastic (Colour: Red)	QRC-HP-25-DF-41-K-RD
1.42	1.61	7.48		

Series HU ▪ Dust Protection



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



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

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