

Series HS ▪ Characteristics

Description

Screw-type couplings of the HS series are coupled by simply screwing the carrier and probe halves together until the thread contacts the limit stop. The coupling is designed to open both valves "en bloc" in this position. For this reason, and due to their rugged design, they are particularly well suited for heavy-duty service conditions in construction machinery. The range of operating pressures of this series is higher than that of the VOSWINKEL HP series.

Screw-type couplings of the HS series can be coupled on both sides under pressure of up to 50 / 725 PSI bar. The self-locking connection thread prevents any disengagement of the screw connection caused by vibrations. The screw sleeve of the probe, when correctly locked, must cover the black brake ring of the carrier.

Working Pressure

300 ... 450 bar / 30 ... 45 MPa / 4350 ... 6525 PSI

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

Working Temperature

-25° C ... +100° C / -13° F ... +212° F

Material

Steel

Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

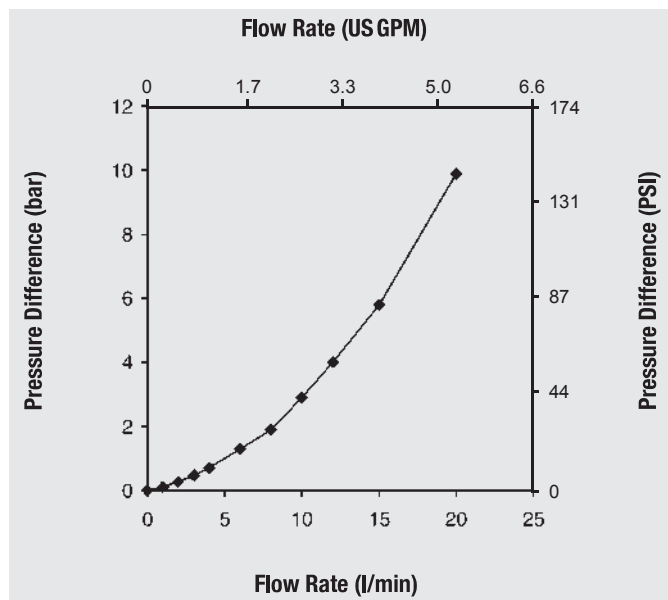
Standard Seal Material(s)

NBR (Buna-N®)

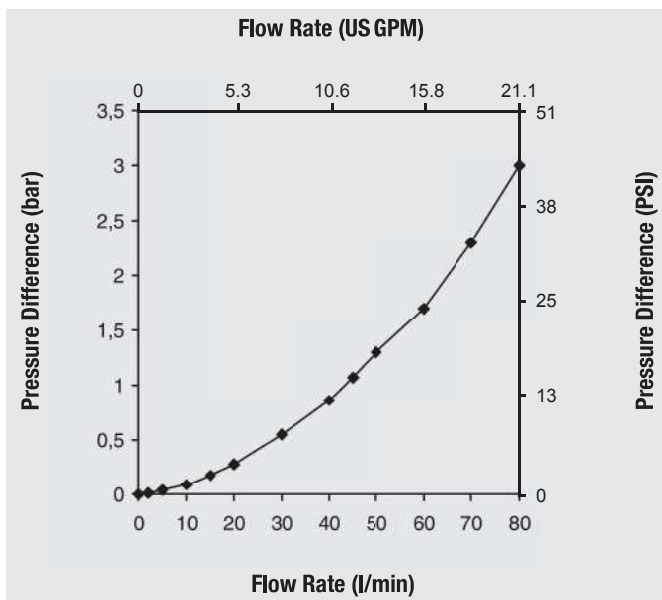
Alternative seal materials are available on request.



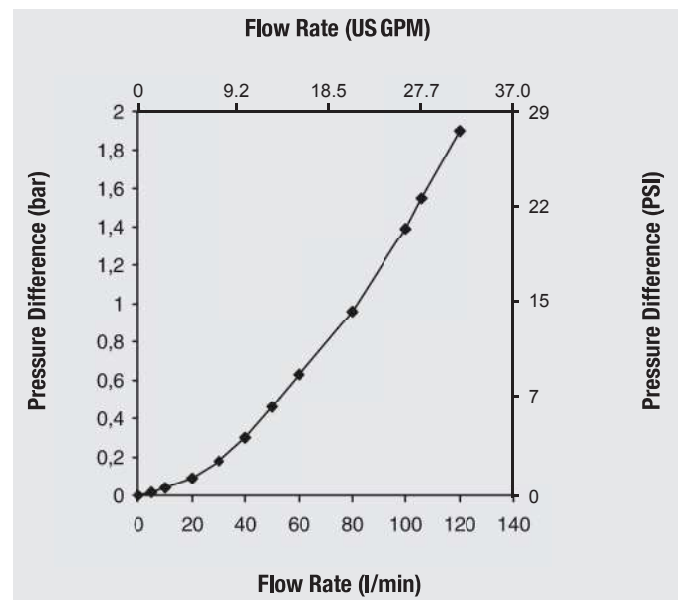
Series HS 04 ▪ BG 1 ▪ Nominal Size 6,3



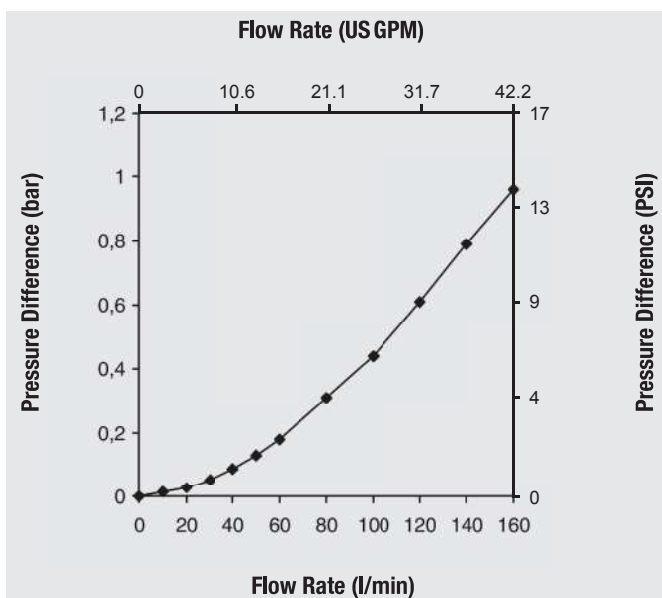
Series HS 10 ▪ BG 3 ▪ Nominal Size 12,5



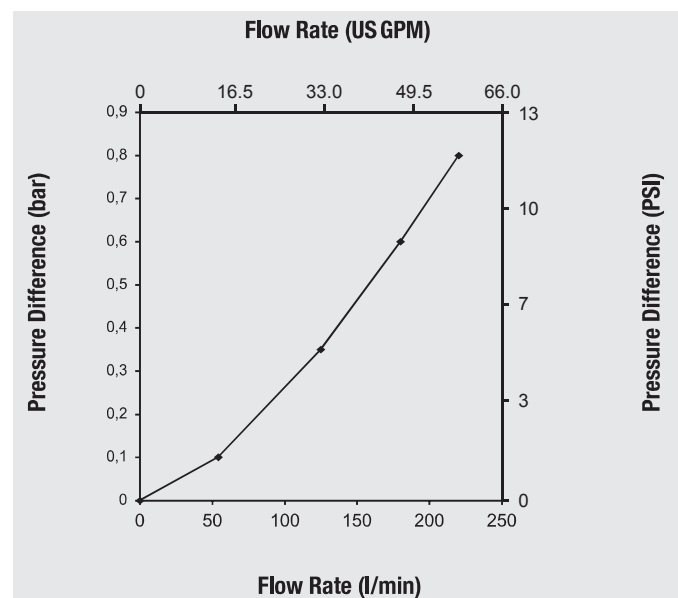
Series HS 12 ▪ BG 6 ▪ Nominal Size 19



Series HS 20 ▪ BG 8 ▪ Nominal Size 25



Series HS 25 ▪ BG 12 ▪ Nominal Size 38



HS



Series HS 04 ▪ BG 1 ▪ Nominal Size 6,3

Working Pressure

450 bar / 45 MPa / 6527 PSI

Burst Pressure

1400 bar / 140 MPa / 20305 PSI (Female Body)

1400 bar / 140 MPa / 20305 PSI (Male Tip)

1800 bar / 180 MPa / 26107 PSI (Connected)

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

Material

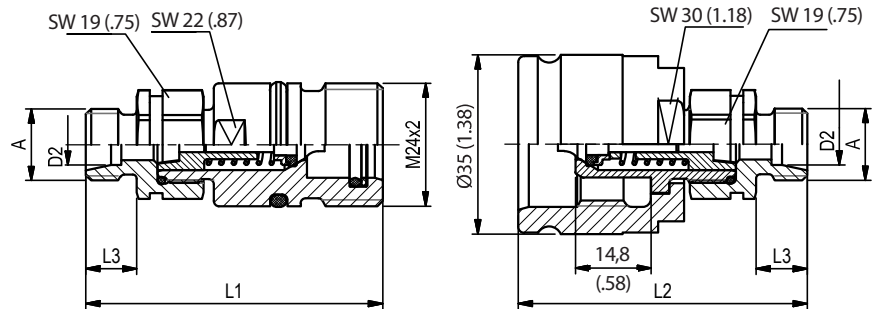
Steel

Surface Finishing

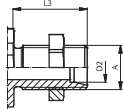
Zinc-Plating and Thick-Film-Passivation (Chrome III)

Standard Seal Material(s)

NBR (Buna-N®), PTFE



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

	Port A	Dimensions					Female Body	Weight	Male Tip	Weight
		(mm/in)					VOSWINKEL Part Numbers	(^g /oz) ca.	VOSWINKEL Part Numbers	(^g /oz) ca.
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3										
	G 1/4"		60	59		13	HS04-1-IGF04	120	HS04-2-IGF04	182
			2.36	2.32		.51	QRC-HS-06-F-G04-BT-W66	264.00	QRC-HS-06-M-G04-BT-W66	400.40
	NPTF 1/4" -18		60	59			HS04-1-INF04	120	HS04-2-INF04	190
			2.36	2.32			QRC-HS-06-F-NF04-BT-W66	264.00	QRC-HS-06-M-NF04-B-W66	418.00
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M14x1,5	8L	58	57	10		HS04-1-L0814	121	HS04-2-L0814	187
			2.28	2.24	.39		QRC-HS-06-F-08L-BT-W66	266.20	QRC-HS-06-M-08L-B-W66	411.40
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M14x1,5	8L	73	72	25		HS04-1-N0814	137	HS04-2-N0814	203
			2.87	2.83	.98		QRC-HS-06-F-08LB-BT-W66	301.40	QRC-HS-06-M-08LB-B-W66	446.60

HS



Series HS 08 ▪ BG 2 ▪ Nominal Size 10
Working Pressure

450 bar / 45 MPa / 6527 PSI

Burst Pressure

1750 bar / 175 MPa / 25382 PSI (Female Body)

1550 bar / 155 MPa / 22481 PSI (Male Tip)

1600 bar / 160 MPa / 23206 PSI (Connected)

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

Material

Steel

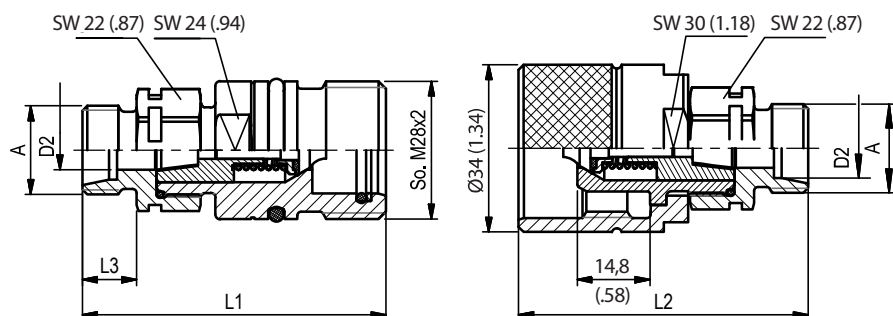
Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

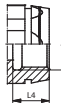
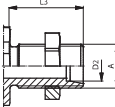
Standard Seal Material(s)

NBR (Buna-N®), PTFE

Dimensions acc. to ISO 14541.



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

	Port A	Dimensions (mm/in)					Female Body	Weight	Male Tip	Weight
							VOSWINKEL Part Numbers	(g/oz) ca.	VOSWINKEL Part Numbers	(g/oz) ca.
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
Male Thread according to DIN ISO 8434-1										
	G 3/8"		65 2.56	62 2.44	12 .47		HS08-1-AGF06 QRC-HS-10-F-B06-BT-W66	169 371.80	HS08-2-AGF06 QRC-HS-10-M-B06-B-W66	181 398.20
	UNF 3/4" -16		67 2.65	53 2.07	17 .65		HS08-1-AUF08 QRC-HS-10-F-J12-BT-W66	160 352.00	HS08-2-AUF08 QRC-HS-10-M-J12-BT-W66	175 385.00
Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3										
	G1/4"		64 2.52	61 2.40		13 .51	HS08-1-IGF04 QRC-HS-10-F-G04-BT-W66	180 396.00	HS08-2-IGF04 QRC-HS-10-M-G04-B-W66	192 422.40
	G3/8"		64 2.52	61 2.40		13 .51	HS08-1-IGF06 QRC-HS-10-F-G06-BT-W66	172 378.40	HS08-2-IGF06 QRC-HS-10-M-G06-B-W66	184 404.80
	M16x1,5		64 2.52	61 2.40		13 .51	HS08-1-IMF16 QRC-HS-10-F-M16-BT-W66	161 354.20	HS08-2-IMF16 QRC-HS-10-M-M16-B-W66	174 382.80
	NPTF 3/8" -18		64 2.52	61 2.40			HS08-1-INF06 QRC-HS-10-F-NF06-BT-W66	173 380.60	HS08-2-INF06 QRC-HS-10-M-NF06-B-W66	185 407.00
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M14x1,5	8L	61 2.39	58 2.28	10 .39		HS08-1-L0814 QRC-HS-10-F-08L-BT-W66	144 316.80	HS08-2-L0814 QRC-HS-10-M-08L-B-W66	158 347.60
	M16x1,5	10L	62 2.43	59 2.32	11 .43		HS08-1-L1016 QRC-HS-10-F-10L-BT-W66	158 347.60	HS08-2-L1016 QRC-HS-10-M-10L-B-W66	169 371.80
	M18x1,5	12L	62 2.43	59 2.32	11 .43		HS08-1-L1218 QRC-HS-10-F-12L-BT-W66	160 352.00	HS08-2-L1218 QRC-HS-10-M-12L-B-W66	172 378.40
	M16x1,5	8S	63 2.47	60 2.36	12 .47		HS08-1-S0816 QRC-HS-10-F-08S-BT-W66	163 358.60	HS08-2-S0816 QRC-HS-10-M-08S-B-W66	174 382.80
	M18x1,5	10S	63 2.47	60 2.36	12 .47		HS08-1-S1018 QRC-HS-10-F-10S-BT-W66	164 360.80	HS08-2-S1018 QRC-HS-10-M-10S-B-W66	176 387.20
	M20x1,5	12S	63 2.47	60 2.36	12 .47		HS08-1-S1220 QRC-HS-10-F-12S-BT-W66	154 338.80	HS08-2-S1220 QRC-HS-10-M-12S-B-W66	179 393.80
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M14x1,5	8L	76 2.98	73 2.87	25 .98		HS08-1-N0814 QRC-HS-10-F-08LB-BT-W66	172 378.40	HS08-2-N0814 QRC-HS-10-M-08LB-B-W66	176 387.20
	M16x1,5	10L	77 3.02	74 2.91	26 1.02		HS08-1-N1016 QRC-HS-10-F-10LB-BT-W66	187 411.40	HS08-2-N1016 QRC-HS-10-M-10LB-B-W66	170 374.00
	M22x1,5	15L	78 3.06	75 2.95	27 1.06		HS08-1-N1522 QRC-HS-10-F-15LB-BT-W66	231 508.20	HS08-2-N1522 QRC-HS-10-M-15LB-BT-W66	175 385.00
	M16x1,5	08S	78 3.06	5 .20	27 1.06		HS08-1-T0816 QRC-HS-10-F-08SB-BT-W66	160 352.00	HS08-2-T0816 QRC-HS-10-M-08SB-BT-W66	170 374.00
	M18x1,5	10S	78 3.06	75 2.95	27 1.06		HS08-1-T1018 QRC-HS-10-F-10SB-BT-W66	175 385.00	HS08-2-T1018 QRC-HS-10-M-10SB-B-W66	175 385.00
	M20x1,5	12S	78 3.06	75 2.95	27 1.06		HS08-1-T1220 QRC-HS-10-F-12SB-BT-W66	310 682.00	HS08-2-T1220 QRC-HS-10-M-12SB-B-W66	171 376.20

HS


Series HS 10 ▪ BG 3 ▪ Nominal Size 12,5

Working Pressure

400 bar / 40 MPa / 5802 PSI

Burst Pressure

1200bar / 120 MPa / 17405 PSI (Female Body)

1200 bar / 120 MPa / 17405 PSI (Male Tip)

1400 bar / 140 MPa / 20305 PSI (Connected)

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

Material

Steel

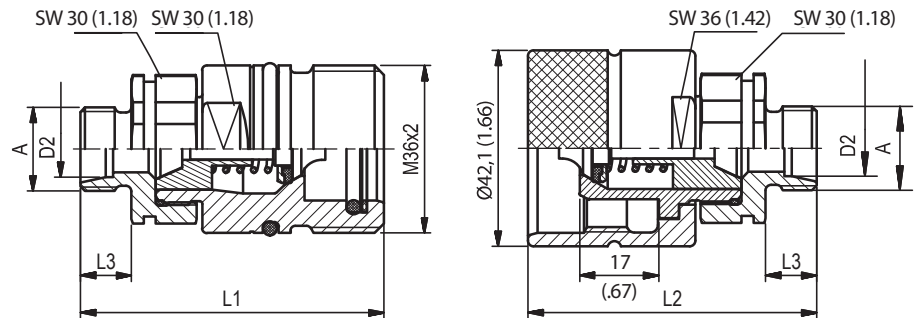
Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

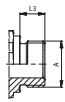
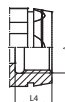
Standard Seal Material(s)

NBR (Buna-N®), PTFE

Dimensions acc. to ISO 14541.



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

	Port A	Dimensions (mm/in)					Female Body	Weight	Male Tip	Weight
							VOSWINKEL Part Numbers	(g/oz) ca.	VOSWINKEL Part Numbers	(g/oz) ca.
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
Male Thread according to DIN 3852-2 - ISO 9974-3										
	G 3/8"		69	66	12		HS10-1-AGF06	287	HS10-2-AGF06	267
			2.72	2.60	.47		QRC-HS-12-F-B06-BT-W66	631.40	QRC-HS-12-M-B06-B-W66	587.40
	G 1/2"		69	66	12		HS10-1-AGF08	295	HS10-2-AGF08	271
			2.72	2.60	.47		QRC-HS-12-F-B08-BT-W66	649.00	QRC-HS-12-M-B08-B-W66	596.20
	M22x1,5		69	66	12		HS10-1-AMF22	296	HS10-2-AMF22	262
			2.72	2.60	.47		QRC-HS-12-F-M22M-BT-W66	651.20	QRC-HS-12-M-M22M-B-W66	576.40
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	308	HS10-2-IGF06	288
			2.64	2.52		.59	QRC-HS-12-F-G06-BT-W66	677.60	QRC-HS-12-M-G06-B-W66	633.60
	G1/2"		67	64		15	HS10-1-IGF08	319	HS10-2-IGF08	299
			2.64	2.52		.59	QRC-HS-12-F-G08-BT-W66	701.80	QRC-HS-12-M-G08-B-W66	657.80
	M18x1,5		67	64		15	HS10-1-IMF18	302	HS10-2-IMF18	282
			2.64	2.52		.59	QRC-HS-12-F-M180R-BT-W66	664.40	QRC-HS-12-M-M180R-B-W66	620.40
	M22x1,5		67	64		15	HS10-1-IMF22	292	HS10-2-IMF22	266
			2.64	2.52		.59	QRC-HS-12-F-M220R-BT-W66	642.40	QRC-HS-12-M-M220R-B-W66	585.20
	NPTF 1/2" -14		70	67			HS10-1-INF08	296	HS10-2-INF08	274
			2.76	2.64			QRC-HS-12-F-NF08-BT-W66	651.20	QRC-HS-12-M-NF08-B-W66	602.80
	UNF 7/8" -14		73	70		18	HS10-1-IUF10	292	HS10-2-IUF10	270
			2.87	2.76		.71	QRC-HS-12-F-U10-BT-W66	642.40	QRC-HS-12-M-U10-B-W66	594.00



Series HS 10 ▪ BG 3 ▪ Nominal Size 12,5
Working Pressure

400 bar / 40 MPa / 5802 PSI

Burst Pressure

1200bar / 120 MPa / 17405 PSI (Female Body)

1200 bar / 120 MPa / 17405 PSI (Male Tip)

1400 bar / 140 MPa / 20305 PSI (Connected)

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

Material

Steel

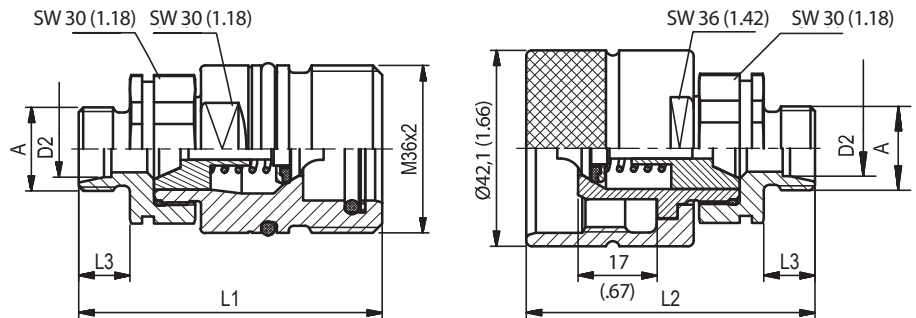
Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

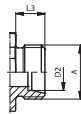
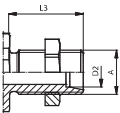
Standard Seal Material(s)

NBR (Buna-N®), PTFE

Dimensions acc. to ISO 14541.



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

	Port A	Dimensions (mm/in)					Female Body	Weight	Male Tip	Weight	
		ØD2	L1	L2	L3	L4	VOSWINKEL Part Numbers	(^{g/oz}) ca.	VOSWINKEL Part Numbers	(^{g/oz}) ca.	
							STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.	
Male Thread with 24° Conical Bore - Shape W according to DIN 3861											
	M14x1,5	8L	64 2.53	61 2.40	10 .39		HS10-1-L0814 QRC-HS-12-F-08L-BT-W66	264 580.80	HS10-2-L0814 QRC-HS-12-M-08L-B-W66	254 558.80	
	M16x1,5	10L	65 2.57	62 2.44	11 .43		HS10-1-L1016 QRC-HS-12-F-10L-BT-W66	277 609.40	HS10-2-L1016 QRC-HS-12-M-10L-B-W66	257 565.40	
	M18x1,5	12L	65 2.57	62 2.44	11 .43		HS10-1-L1218 QRC-HS-12-F-12L-BT-W66	278 611.60	HS10-2-L1218 QRC-HS-12-M-12L-B-W66	258 567.60	
	M22x1,5	15L	66 2.61	63 2.48	12 .47		HS10-1-L1522 QRC-HS-12-F-15L-BT-W66	284 624.80	HS10-2-L1522 QRC-HS-12-M-15L-B-W66	264 580.80	
	M26x1,5	18L	66 2.61	63 2.48	12 .47		HS10-1-L1826 QRC-HS-12-F-18L-BT-W66	284 624.80	HS10-2-L1826 QRC-HS-12-M-18L-B-W66	264 580.80	
	M18x1,5	10S	66 2.61	63 2.48	12 .47		HS10-1-S1018 QRC-HS-12-F-10S-BT-W66	284 624.80	HS10-2-S1018 QRC-HS-12-M-10S-B-W66	264 580.80	
	M20x1,5	12S	66 2.61	63 2.48	12 .47		HS10-1-S1220 QRC-HS-12-F-12S-BT-W66	284 624.80	HS10-2-S1220 QRC-HS-12-M-12S-B-W66	264 580.80	
	M22x1,5	14S	68 2.69	65 2.56	14 .55		HS10-1-S1422 QRC-HS-12-F-14S-BT-W66	292 642.40	HS10-2-S1422 QRC-HS-12-M-10S-B-W66	272 598.40	
	M24x1,5	16S	68 2.69	65 2.56	14 .55		HS10-1-S1624 QRC-HS-12-F-16S-BT-W66	292 642.40	HS10-2-S1624 QRC-HS-12-M-16S-B-W66	272 598.40	
	M30x2	20S	70 2.76	67 2.64	16 .63		HS10-1-S2030 QRC-HS-12-F-20S-BT-W66	284 624.80	HS10-2-S2030* QRC-HS-12-M-20S-B-W66	257 565.40	
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
		M14x1,5	08L	80 3.16	77 3.03	26 1.02		HS10-1-N0814 QRC-HS-12-F-08LB-BT-W66	286 629.20	HS10-2-N0814 QRC-HS-12-M-08LB-B-W66	262 576.40
M16x1,5		10L	80 3.16	77 3.03	26 1.02		HS10-1-N1016 QRC-HS-12-F-10LB-BT-W66	307 675.40	HS10-2-N1016 QRC-HS-12-M-10LB-B-W66	275 605.00	
M18x1,5		12L	84 3.31	81 3.19	30 1.18		HS10-1-N1218 QRC-HS-12-F-12LB-BT-W66	306 673.20	HS10-2-N1218 QRC-HS-12-M-12LB-B-W66	268 589.60	
M22x1,5		15L	81 3.20	78 3.07	27 1.06		HS10-1-N1522 QRC-HS-12-F-15LB-BT-W66	314 690.80	HS10-2-N1522 QRC-HS-12-M-15LB-B-W66	282 620.40	
M26x1,5		18L	81 3.20	78 3.07	27 1.06		HS10-1-N1826 QRC-HS-12-F-18LB-BT-W66	366 805.20	HS10-2-N1826 QRC-HS-12-M-18LB-B-W66	346 761.20	
M18x1,5		10S	80 3.16	77 3.03	26 1.02		HS10-1-T1018 QRC-HS-12-F-10SB-BT-W66	307 675.40	HS10-2-T1018 QRC-HS-12-M-10SB-B-W66	280 616.00	
M20x1,5		12S	81 3.20	78 3.07	27 1.06		HS10-1-T1220 QRC-HS-12-F-12SB-BT-W66	312 686.40	HS10-2-T1220 QRC-HS-12-M-12SB-B-W66	288 633.60	
M22x1,5		14S	83 3.28	80 3.15	29 1.14		HS10-1-T1422 QRC-HS-12-F-14SB-BT-W66	328 721.60	HS10-2-T1422 QRC-HS-12-M-14SB-B-W66	304 668.80	
M24x1,5		16S	83 3.28	80 3.15	29 1.14		HS10-1-T1624 QRC-HS-12-F-16SB-BT-W66	342 752.40	HS10-2-T1624 QRC-HS-12-M-16SB-B-W66	316 695.20	

HS



Series HS 12 ▪ BG 6 ▪ Nominal Size 19

Working Pressure

400 bar / 40 MPa / 5802 PSI

Burst Pressure

1600 bar / 160 MPa / 23206 PSI (Female Body)

1200 bar / 120 MPa / 17405 PSI (Male Tip)

1500 bar / 150 MPa / 21756 PSI (Connected)

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

Material

Steel

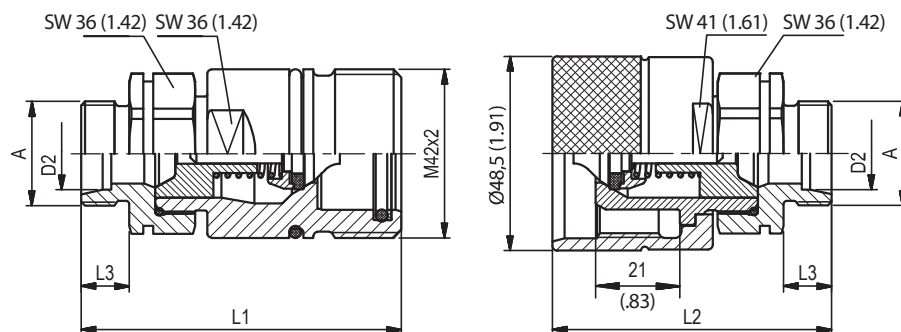
Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

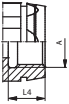
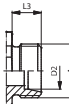
Standard Seal Material(s)

NBR (Buna-N®), PTFE

Dimensions acc. to ISO 14541.



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

	Port A	Dimensions (^{mm} / _{in})					Female Body	Weight	Male Tip	Weight	
							VOSWINKEL Part Numbers	(^g / _{oz}) ca.	VOSWINKEL Part Numbers	(^g / _{oz}) ca.	
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.	
Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3											
	G1/2"		86	75		19	HS12-1-IGF08	526	HS12-2-IGF08	504	
			3.39	2.95		.75	QRC-HS-19-F-G08-BT-W66	1157.20	QRC-HS-19-M-G08-B-W66	1108.80	
	G3/4"		86	75		19	HS12-1-IGF12	636	HS12-2-IGF12	476	
			3.39	2.95		.75	QRC-HS-19-F-G12-BT-W66	1399.20	QRC-HS-19-M-G12-B-W66	1047.20	
	M22x1,5		86	75		19	HS12-1-IMF22	550	HS12-2-IMF22	490	
			3.39	2.95		.75	QRC-HS-19-F-M22-BT-W66	1210.00	QRC-HS-19-M-M22-B-W66	1078.00	
	NPTF 3/4" -14		86	75			HS12-1-INF12	550	HS12-2-INF12	476	
			3.39	2.95			QRC-HS-19-F-NF12-BT-W66	1210.00	QRC-HS-19-M-NF12-B-W66	1047.20	
Male Thread with 24° Conical Bore - Shape W according to DIN 3861											
	M18x1,5	12L	79	69	11		HS12-1-L1218	460	HS12-2-L1218	408	
			3.11	2.72	.43		QRC-HS-19-F-12L-BT-W66	1012.00	QRC-HS-19-M-12L-B-W66	897.60	
	M22x1,5	15L	80	70	12		HS12-1-L1522	466	HS12-2-L1522	413	
			3.15	2.76	.47		QRC-HS-19-F-15L-BT-W66	1025.20	QRC-HS-19-M-15L-B-W66	908.60	
	M26x1,5	18L	80	70	12		HS12-1-L1826	479	HS12-2-L1826	419	
			3.15	2.76	.47		QRC-HS-19-F-18L-BT-W66	1053.80	QRC-HS-19-M-18L-B-W66	921.80	
	M30x2	22L	82	72	14		HS12-1-L2230	492	HS12-2-L2230	431	
			3.23	2.83	.55		QRC-HS-19-F-22L-BT-W66	1082.40	QRC-HS-19-M-22L-B-W66	948.20	
	M24x1,5	16S	82	72	14		HS12-1-S1624	474	HS12-2-S1624	402	
			3.23	2.83	.55		QRC-HS-19-F-16S-BT-W66	1042.80	QRC-HS-19-M-16S-B-W66	884.40	
	M30x2	20S	84	74	16		HS12-1-S2030	500	HS12-2-S2030	440	
			3.31	2.91	.63		QRC-HS-19-F-20S-BT-W66	1100.00	QRC-HS-19-M-20S-B-W66	968.00	
	Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
		M18x1,5	12L	94	84	26		HS12-1-N1218	488	HS12-2-N1218	422
				3.70	3.31	1.02		QRC-HS-19-F-12LB-BT-W66	1073.60	QRC-HS-19-M-12LB-B-W66	928.40
		M22x1,5	15L	95	85	27		HS12-1-N1522	510	HS12-2-N1522	438
			3.74	3.35	1.06		QRC-HS-19-F-15LB-BT-W66	1122.00	QRC-HS-19-M-15LB-B-W66	963.60	
M26x1,5		18L	95	85	27		HS12-1-N1826	557	HS12-2-N1826	475	
			3.74	3.35	1.06		QRC-HS-19-F-18LB-BT-W66	1225.40	QRC-HS-19-M-18LB-B-W66	1045.00	
M30x2		22L	104	94	36		HS12-1-N2230	594	HS12-2-N2230	524	
			4.09	3.70	1.42		QRC-HS-19-F-22LB-BT-W66	1306.80	QRC-HS-19-M-22LB-B-W66	1152.80	
	M24x1,5	16S	97	87	29		HS12-1-T1624	534	HS12-2-T1624	462	
			3.82	3.43	1.14		QRC-HS-19-F-16SB-BT-W66	1174.80	QRC-HS-19-M-16SB-B-W66	1016.40	
	M30x2	20S	104	94	36		HS12-1-T2030	624	HS12-2-T2030	565	
			4.09	3.70	1.42		QRC-HS-19-F-20SB-BT-W66	1372.80	QRC-HS-19-M-20SB-B-W66	1243.00	



Series HS 20 ▪ BG 8 ▪ Nominal Size 25
Working Pressure

300 bar / 30 MPa / 4351 PSI

Burst Pressure

1500 bar / 150 MPa / 21756 PSI (Female Body)

1100 bar / 110 MPa / 15954 PSI (Male Tip)

1180 bar / 118 MPa / 17114 PSI (Connected)

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

Material

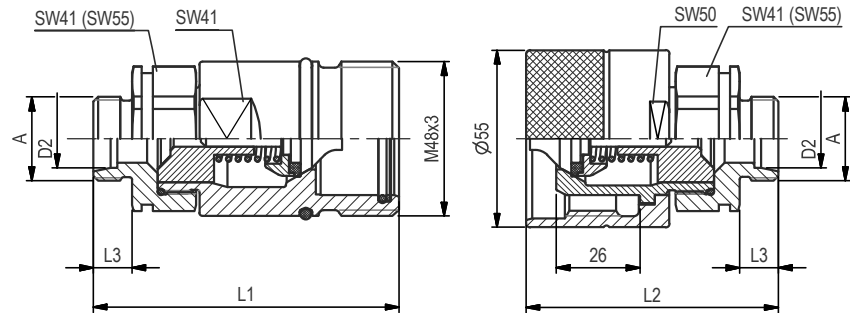
Steel

Surface Finishing

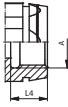
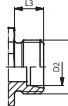
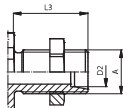
Zinc-Plating and Thick-Film-Passivation (Chrome III)

Standard Seal Material(s)

NBR (Buna-N®), PTFE



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

	Port A	Dimensions (mm/in)					Female Body	Weight	Male Tip	Weight
							VOSWINKEL Part Numbers	(g/oz) ca.	VOSWINKEL Part Numbers	(g/oz) ca.
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
Female Thread according to DIN 3852-2-A - ANSI B 1.20.3										
	G3/4"		98	81		19	HS20-1-IGF12	781	HS20-2-IGF12	688
			3.86	3.19		.75	QRC-HS-25-F-G12-BT-W66	1718.20	QRC-HS-25-M-G12-B-W66	1513.60
	G1"		98	81		19	HS20-1-IGF16	738	HS20-2-IGF16	645
			3.86	3.19		.75	QRC-HS-25-F-G16-BT-W66	1623.60	QRC-HS-25-M-G16-B-W66	1419.00
	NPTF 1" -11 1/2		98	81			HS20-1-INF16	780	HS20-2-INF16	601
			3.86	3.19			QRC-HS-25-F-NF16-BT-W66	1716.00	QRC-HS-25-M-NF16-B-W66	1322.20
Male Thread with 24° Conical Bore - Shape W according to DIN 3861										
	M26x1,5	18L	95	78	12		HS20-1-L1826	709	HS20-2-L1826	616
			3.74	3.07	.47		QRC-HS-25-F-18L-BT-W66	1559.80	QRC-HS-25-M-18L-B-W66	1355.20
	M30x2	22L	97	80	14		HS20-1-L2230	715	HS20-2-L2230	622
			3.82	3.15	.55		QRC-HS-25-F-22L-BT-W66	1573.00	QRC-HS-25-M-22L-B-W66	1368.40
	M36x2	28L	97	80	14		HS20-1-L2836	720	HS20-2-L2836	672
			3.82	3.15	.55		QRC-HS-25-F-28L-BT-W66	1584.00	QRC-HS-25-M-28L-B-W66	1478.40
	M45x2	35L	99	82	16		HS20-1-L3545	805	HS20-2-L3545	713
			3.90	3.23	.63		QRC-HS-25-F-35L-BT-W66	1771.00	QRC-HS-25-M-35L-B-W66	1568.60
	M30x2	20S	99	82	16		HS20-1-S2030	731	HS20-2-S2030	639
			3.90	3.23	.63		QRC-HS-25-F-20S-BT-W66	1608.20	QRC-HS-25-M-20S-B-W66	1405.80
	M36x2	25S	101	84	18		HS20-1-S2536	753	HS20-2-S2536	660
			3.98	3.31	.71		QRC-HS-25-F-25S-BT-W66	1656.60	QRC-HS-25-M-25S-B-W66	1452.00
	M42x2	30S	103	86	20		HS20-1-S3042	871	HS20-2-S3042	650
			4.06	3.39	.79		QRC-HS-25-F-30S-BT-W66	1916.20	QRC-HS-25-M-30S-B-W66	1430.00
	M52x2	38S	105	88	22		HS20-1-S3852	1080	HS20-2-S3852	901
			4.13	3.46	.87		QRC-HS-25-F-38S-BT-W66	2376.00	QRC-HS-25-M-38S-B-W66	1982.20
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861										
	M22x1,5	15L	110	93	27		HS20-1-N1522	820	HS20-2-N1522	620
			4.33	3.66	1.06		QRC-HS-25-F-15LB-BT-W66	1804.00	QRC-HS-25-M-15LB-B-W66	1364.00
	M26x1,5	18L	115	98	32		HS20-1-N1826	766	HS20-2-N1826	638
			4.53	3.86	1.26		QRC-HS-25-F-18LB-BT-W66	1685.20	QRC-HS-25-M-18LB-B-W66	1403.60
	M30x2	22L	117	100	34		HS20-1-N2230	861	HS20-2-N2230	650
			4.61	3.94	1.34		QRC-HS-25-F-22LB-BT-W66	1894.20	QRC-HS-25-M-22LB-B-W66	1430.00
	M36x2	28L	117	100	34		HS20-1-N2836	899	HS20-2-N2836	690
			4.61	3.94	1.34		QRC-HS-25-F-28LB-BT-W66	1977.80	QRC-HS-25-M-28LB-B-W66	1518.00
	M30x2	20S	121	104	38		HS20-1-T2030	940	HS20-2-T2030	706
			4.76	4.09	1.50		QRC-HS-25-F-20SB-BT-W66	2068.00	QRC-HS-25-M-20SB-B-W66	1553.20
	M36x2	25S	121	104	38		HS20-1-T2536	947	HS20-2-T2536	740
			4.76	4.09	1.50		QRC-HS-25-F-25SB-BT-W66	2083.40	QRC-HS-25-M-25SB-B-W66	1628.00
	M42x2	30S	123	106	40		HS20-1-T3042	1040	HS20-2-T3042	850
			4.84	4.17	1.57		QRC-HS-25-F-30SB-BT-W66	2288.00	QRC-HS-25-M-30SB-B-W66	1870.00
	M52x2	38S	123	106	40		HS20-1-T3852	1404	HS20-2-T3852	850
			4.84	4.17	1.57		QRC-HS-25-F-38SB-BT-W66	3088.80	QRC-HS-25-M-38SB-B-W66	1870.00

HS


Series HS 20 ▪ BG 8 ▪ Nominal Size 25

Working Pressure

300 bar / 30 MPa / 4351 PSI

Burst Pressure

1500 bar / 150 MPa / 21756 PSI (Female Body)

1100 bar / 110 MPa / 15954 PSI (Male Tip)

1180 bar / 118 MPa / 17114 PSI (Connected)

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

Material

Steel

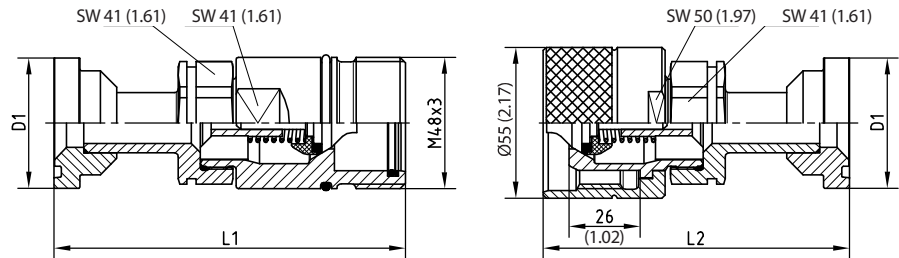
Surface Finishing

Zinc-Plating and Thick-Film-Passivation (Chrome III)

Standard Seal Material(s)

NBR (Buna-N®), PTFE

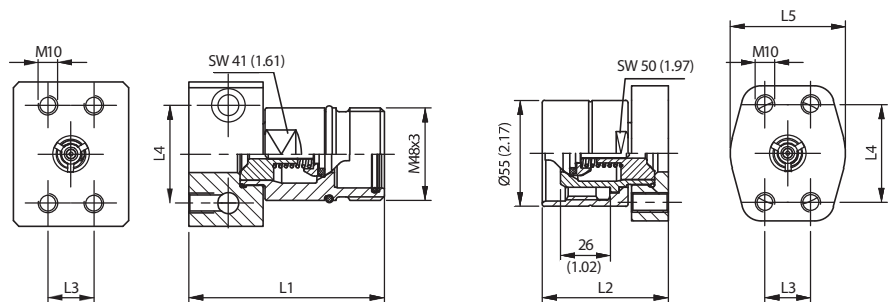
Dimensions acc. to ISO 14541.



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

	Flange	Dimensions (mm/in)						Female Body VOSWINKEL Part Numbers	Weight (lb/oz) ca.	Male Tip VOSWINKEL Part Numbers	Weight (lb/oz) ca.
		ØD1	L1	L2	L3	L4	L5	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
	3/4"	41,3	127	110				HS20-1-AFS12	852	HS20-2-AFS12	760
			1.63	5.00				QRC-HS-25-F-FH612-BT-W66	1874.40	QRC-HS-25-M-FH612-B-W66	1672.00
	1"	47,6	129	112				HS20-1-AFS16	932	HS20-2-AFS16	839
			1.87	5.08				QRC-HS-25-F-FH616-BT-W66	2050.40	QRC-HS-25-M-FH616-B-W66	1845.80

HS



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

	Flange	Dimensions (mm/in)						Female Body VOSWINKEL Part Numbers	Weight (lb/oz) ca.	Male Tip VOSWINKEL Part Numbers	Weight (lb/oz) ca.
		ØD2	L1	L2	L3	L4	L5	STAUFF Ordering Codes	per pc.	STAUFF Ordering Codes	per pc.
	3/4"		102	65	23,8	50,8	60	HS20-1-X0010	1631	HS20-2-X0011	877
			4.02	2.56	.94	2.00	2.36	QRC-HS-25-M-C612M-B-W66-700514	3588.20	QRC-HS-25-M-C612M-B-W66	1929.40



Series HS 25 ▪ BG 12 ▪ Nominal Size 38
Working Pressure

300 bar / 30 MPa / 4351 PSI

Burst Pressure

1600 bar / 160 MPa / 23206 PSI (Female Body)

1200 bar / 120 MPa / 17405 PSI (Male Tip)

1800 bar / 180 MPa / 26107 PSI (Connected)

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

Material

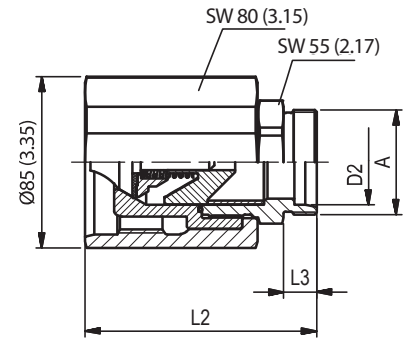
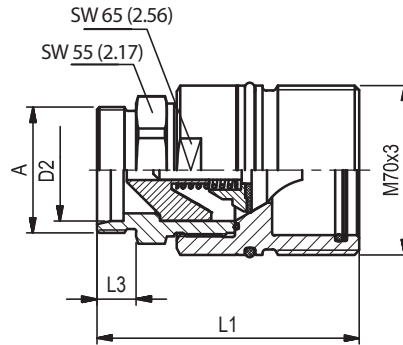
Steel

Surface Finishing

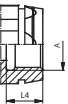
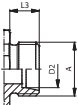
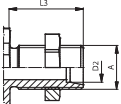
Zinc-Plating and Thick-Film-Passivation (Chrome III)

Standard Seal Material(s)

NBR (Buna-N®), PTFE



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

	Port A	Dimensions (mm/in)					Female Body VOSWINKEL Part Numbers		Weight (⁹ / _{oz}) ca.	Male Tip VOSWINKEL Part Numbers		Weight (⁹ / _{oz}) ca.
		ØD2	L1	L2	L3	L4	STAUFF Ordering Codes		per pc.	STAUFF Ordering Codes		per pc.
							Female Thread according to DIN 3852-2-A / Female thread DIN 3852-2-A					
	G 1" 1/4		125 4.92	131 5.16		29 1.14	HS25-1-IGF20 QRC-HS-38-F-G20-BT-W66	1907 4195.40	HS25-2-IGF20 QRC-HS-38-M-G20-B-W66	2766 6085.20		
	G 1" 1/2		127 5.00	134 5.28		31 1.22	HS25-1-IGF24 QRC-HS-38-F-G24-BT-W66	1849 4067.80	HS25-2-IGF24 QRC-HS-38-M-G24-B-W66	2708 5957.60		
Male Thread with 24° Conical Bore - Shape W according to DIN 3861												
	M45x2	35L	105 4.11	112 4.39	16 .63		HS25-1-L3545 QRC-HS-38-F-35L-BT-W66	1560 3432.00	HS25-2-L3545 QRC-HS-38-M-35L-B-W66	2090 4598.00		
	M52x2	42L	105 4.11	112 4.39	16 .63		HS25-1-L4252 QRC-HS-38-F-42L-BT-W66	1620 3564.00	HS25-2-L4252 QRC-HS-38-M-42L-B-W66	2150 4730.00		
	M42x2	30S	112 4.41	119 4.69	20 .79		HS25-1-S3042 QRC-HS-38-F-30S-BT-W66	1572 3458.40	HS25-2-S3042 QRC-HS-38-M-30S-B-W66	2092 4602.40		
	M52x2	38S	112 4.41	118 4.65	22 .87		HS25-1-S3852 QRC-HS-38-F-38S-BT-W66	1624 3572.80	HS25-2-S3852 QRC-HS-38-M-38S-B-W66	2153 4736.60		
Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861												
	M45x2	35L	125 4.90	132 5.18	36 1.42		HS25-1-N3545 QRC-HS-38-F-35LB-BT-W66	1730 3806.00	HS25-2-N3545 QRC-HS-38-M-35LB-B-W66	2340 5148.00		
	M52x2	42L	129 5.08	132 5.20	36 1.42		HS25-1-N4252 QRC-HS-38-F-42LB-BT-W66	1725 3795.00	HS25-2-N4252 QRC-HS-38-M-42LB-B-W66	2335 5137.00		
	M42x2	30S	133 5.24	140 5.51	40 1.57		HS25-1-T3042 QRC-HS-38-F-30SB-BT-W66	1824 4012.80	HS25-2-T3042 QRC-HS-38-M-30SB-B-W66	2683 5902.60		
	M52x2	38S	132 5.20	139 5.47	40 1.57		HS25-1-T3852 QRC-HS-38-F-38SB-BT-W66	1730 3806.00	HS25-2-T3852 QRC-HS-38-M-38SB-B-W66	2793 6144.60		

HS


Series HS ▪ Special Designs

1	The mating flange shown on page 168 is also available for the screw-type carrier Type HS 10, size 1/2", 410 bar (6000 PSI).
2	Screw-type probes of the types HS 20 and HS 25 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.

