



Body Size

3/8" up to 1"

Screw-to-Connect

QHPA-Series**Technical Description**

Screw-to-connect type of coupling according to ISO 14541 for difficult applications. Rugged, modular construction in steel, working up to 450 bar.

Advantages

Self locking threads and external seal to prevent accidental disconnection. Connectable under residual pressure up to 50 bar. NBR seals and back-up ring in PTFE to withstand pressure impulses.

Sleeve mounted on the male tip to protect the sealing area. Three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications

- Agricultural and mobile equipment
- Rock hammers
- Forestry equipments

- Snow groomers
- Excavators

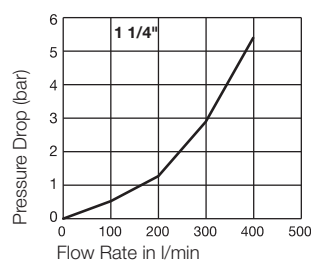
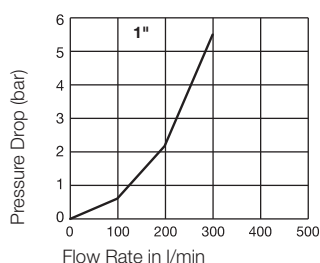
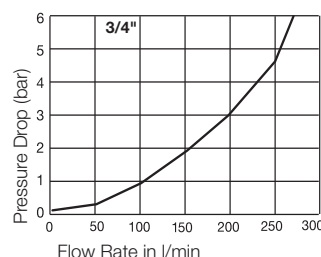
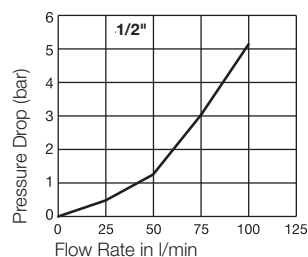
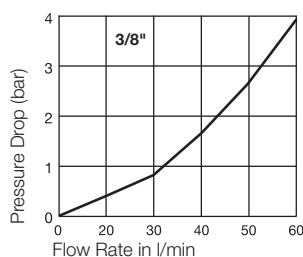
Working Pressure

3/8"	450 bar
1/2"	400 bar
3/4"	380 bar
1"	370 bar
1 1/4"	300 bar

Working Temperature

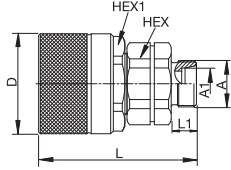
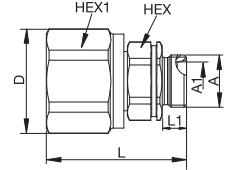
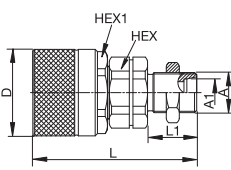
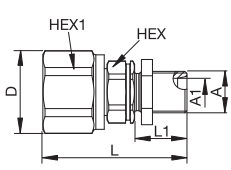
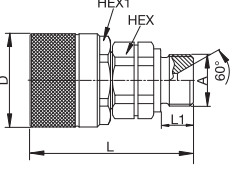
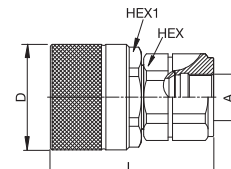
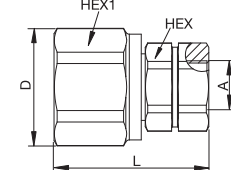
-25°C up to +110°C (NBR) depending on the medium.

Material Coupling	Standard
Valve Body	Steel, silver plated, ZnNi plating for 3/4" size
Back Body	Steel, silver plated, ZnNi plating for 3/4" size
Back-up Ring	PTFE
Valve	Steel, silver plated, ZnNi plating for 3/4" size
Springs	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Standard
Plug Body	Steel, silver plated, ZnNi plating for 3/4" size
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated, Brass for 3/4" size
Sleeve	Steel, silver plated, ZnNi plating for 3/4" size

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

Plugs

QHPA-Series

	Size	Body Size	Interface Thread	Connection A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight-gr.	Part Number
 Male Thread 24° cone – DIN 2353	2	3/8"	M28	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13-D6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13-D6X3-C
	2	3/8"	M28	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13-D7X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	61	12	34	Heavy Series	162	QHPA13-D7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14-D6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14-D6X5-C
	3	1/2"	M36	M 22 x 1,5	14	32	36	65	14	42	Heavy Series	254	QHPA14-D7X5-C
 Male Thread 24° cone – DIN 2353	3	1/2"	M36	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
	6	1"	M48	M 26 x 1,5	18	41	55	79	12	60	Light Series	656	QHPA16-D6X6-C
	6	1"	M48	M 30 x 2	22	41	55	81	14	60	Light Series	663	QHPA16-D6X7-C
	6	1"	M48	M 30 x 2	20	41	55	82	16	60	Heavy Series	674	QHPA16-D7X7-C
	6	1"	M48	M 36 x 2	25	41	55	85	18	60	Heavy Series	592	QHPA16-D7X8-C
 Male Thread 24° cone – DIN 2353 Bulkhead	8	1 1/4"	M70	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C
	2	3/8"	M28	M 14 x 1,5	8	22	30	74	25	34	Light Series	173	QHPA13-E6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13-E6X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	76	27	34	Light Series	204	QHPA13-E7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	81	30	42	Light Series	270	QHPA14-E6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14-E6X5-C
	3	1/2"	M36	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14-E7X6-C
 Male Thread 24° cone – DIN 2353 Bulkhead	4	3/4"	M42	M 36 x 2	25	41	44	99	38	48	Heavy Series	690	QHPA15-E7X8-C
	6	1"	M48	M 26 x 1,5	18	41	55	99	32	60	Light Series	749	QHPA16-E6X6-C
	6	1"	M48	M 30 x 2	20	41	55	104	38	60	Heavy Series	792	QHPA16-E7X7-C
	6	1"	M48	M 36 x 2	25	41	55	105	38	60	Heavy Series	845	QHPA16-E7X8-C
	8	1 1/4"	M70	M 42 x 2	30	55	80	138	40	85	Heavy Series	2350	QHPA18-E7X9-C
 Male BSPP Thread – DIN 3852 Form B	2	3/8"	M28	3/8"		22	30	72	12	34		188	QHPA13-F4B3-C
	3	1/2"	M36	1/2"		30	36	66	12	42		258	QHPA14-F4B4-C
	4	3/4"	M42	3/4"		36	44	92	16	48		530	QHPA15-F4B6-C
 Female BSPP Thread – DIN 3852 Form Y	2	3/8"	M28	3/8"		22	30	65		34		161	QHPA13-G4X3-C
	3	1/2"	M36	1/2"		30	36	73		42		268	QHPA14-G4X4-C
	4	3/4"	M42	3/4"		36	44	75		48		470	QHPA15-G4X6-C
 Female BSPP Thread – DIN 3852 Form Y	6	1"	M48	3/4"		41	55	79		60		765	QHPA16-G4X6-C
	6	1"	M48	1"		41	55	85		60		713	QHPA16-G4X8-C