



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

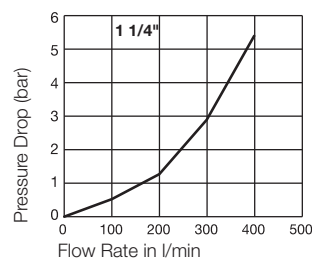
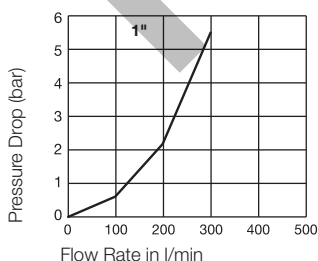
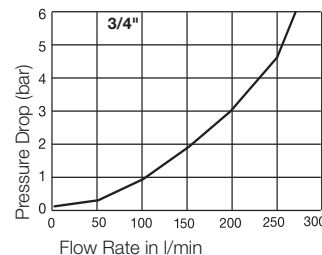
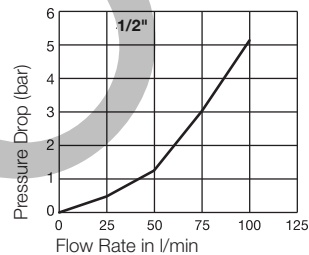
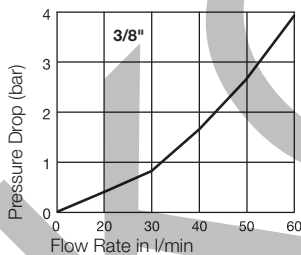
Working Pressure

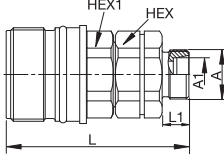
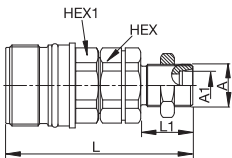
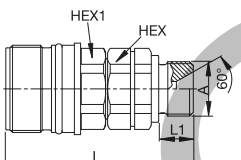
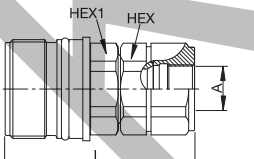
3/8"	450 bar
1/2"	400 bar
3/4"	380 bar
1"	370 bar
1 1/4"	300 bar

Working Temperature

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

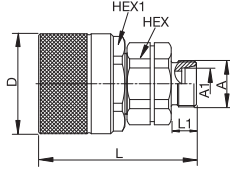
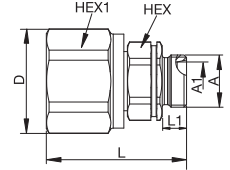
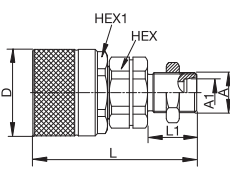
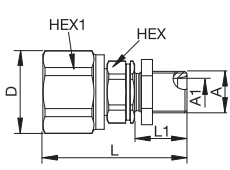
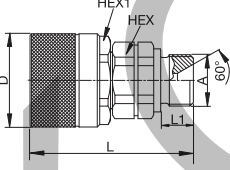
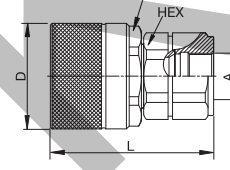
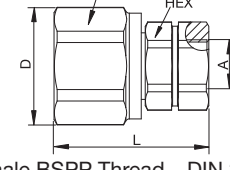
Material Coupling	Standard
Valve Body	Steel, silver plated, ZnNi plating for 3/4" size
Back Body	Steel, silver plated, ZnNi plating for 3/4" size
Back-up Ring	PTFE
Valve	Steel, silver plated, ZnNi plating for 3/4" size
Springs	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Standard
Plug Body	Steel,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

	Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number	
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M28	M 14 x 1,5	8	22	24	62	10		Light Series	147	QHPA53-D6X2-C	
	2	3/8"	M28	M 16 x 1,5	10	22	24	63	11		Light Series	148	QHPA53-D6X3-C	
	2	3/8"	M28	M 18 x 1,5	10	22	30	64	12		Heavy Series	154	QHPA53-D7X3-C	
	2	3/8"	M28	M 20 x 1,5	12	22	24	64	12		Heavy Series	156	QHPA53-D7X4-C	
	3	1/2"	M36	M 18 x 1,5	12	30	30	68	11		Light Series	285	QHPA54-D6X4-C	
	3	1/2"	M36	M 22 x 1,5	15	30	30	69	12		Light Series	290	QHPA54-D6X5-C	
	3	1/2"	M36	M 22 x 1,5	14	30	30	71	14		Heavy Series	277	QHPA54-D7X5-C	
	3	1/2"	M36	M 24 x 1,5	16	30	30	71	14		Heavy Series	298	QHPA54-D7X6-C	
	6	1"	M48	M 26 x 1,5	18	41	41	95	12		Light Series	729	QHPA56-D6X6-C	
	6	1"	M48	M 30 x 2	22	41	41	97	14		Light Series	736	QHPA56-D6X7-C	
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M28	M 14 x 1,5	8	22	24	76	25		Light Series	167	QHPA53-E6X2-C	
	2	3/8"	M28	M 16 x 1,5	10	22	24	78	26		Light Series	179	QHPA53-E6X3-C	
	2	3/8"	M28	M 20 x 1,5	12	22	24	78	27		Heavy Series	198	QHPA53-E7X4-C	
	3	1/2"	M36	M 18 x 1,5	12	30	30	87	30		Light Series	313	QHPA54-E6X4-C	
	3	1/2"	M36	M 22 x 1,5	15	30	30	84	27		Light Series	337	QHPA54-E6X5-C	
	3	1/2"	M36	M 24 x 1,5	16	30	30	86	29		Heavy Series	356	QHPA54-E7X6-C	
	4	3/4"	M42	M 36 x 2	25	41	40	101	38				700	QHPA55-E7X8-C
	6	1"	M48	M 26 x 1,5	18	41	41	115	32		Light Series	822	QHPA56-E6X6-C	
	6	1"	M48	M 30 x 2	20	41	41	121	38		Heavy Series	865	QHPA56-E7X7-C	
	6	1"	M48	M 36 x 2	25	41	41	121	38		Heavy Series	918	QHPA56-E7X8-C	
 <p>Male BSPP Thread – DIN 3852 Form B</p>	2	3/8"	M28	3/8"		22	24	66	12			183	QHPA53-F4B3-C	
	3	1/2"	M36	1/2"		30	30	72	12			301	QHPA54-F4B4-C	
	4	3/4"	M42	3/4"		36	40	94	16			550	QHPA55-F4B6-C	
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	M28	3/8"		22	24	67				155	QHPA53-G4X3-C	
	3	1/2"	M36	1/2"		30	30	73				311	QHPA54-G4X4-C	
	4	3/4"	M42	3/4"		36	40	77				480	QHPA55-G4X6-C	
	6	1"	M48	3/4"		41	41	96				838	QHPA56-G4X6-C	
	6	1"	M48	1"		41	41	101				786	QHPA56-G4X8-C	



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
 <p>Male Thread 24° cone – DIN 2353</p>	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
	3	1/2"	M36	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
 <p>Male Thread 24° cone – DIN 2353</p>	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
	8	1 1/4"	M70	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C
 <p>Male Thread 24° cone – DIN 2353 Bukhead</p>	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
	4	3/4"	M42	M 36 x 2	25	41	44	99	38	48	Heavy Series	690	QHPA15-E7X8-C
 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	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
 <p>Male BSPP Thread – DIN 3852 Form B</p>	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
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	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
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	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


Dust Protection

QHPA-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	Red	QHPA13-DC
	1/2"	for coupling	Plastic	Red	QHPA14-DC
	3/4"	for coupling	Plastic	Red	QHPA15-DC
	1"	for coupling	Plastic	Red	QHPA16-DC
	1 1/4"	for coupling	Plastic	Red	QHPA18-DC
	3/8"	for plug	Plastic	Red	QHPA53-DP
	1/2"	for plug	Plastic	Red	QHPA54-DP
	3/4"	for plug	Plastic	Red	QHPA55-DP
	1"	for plug	Plastic	Red	QHPA56-DP
	1 1/4"	for plug	Plastic	Red	QHPA58-DP

Seal-Kit

QHPA-Series

	Body Size	Description	Part Number
	3/8"	NBR/PTFE	QHPA53-C-KIT
	1/2"	NBR/PTFE	QHPA54-C-KIT
	3/4"	NBR/ PTFE	QHPA55-C-KIT
	1"	NBR/PTFE	QHPA56-C-KIT
	1 1/4"	NBR/PTFE	QHPA58-C-KIT

O-Ring NBR and Back-up Ring PTFE

The kit contains the O-Ring and the outside ring in NBR as well as the back-up ring in PTFE.