



Body Size

3/8" up to 1"

Screw-to-Connect

QHPA-Series

**Technical Description**

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

Advantages

Self locking threads and external seal to prevent accidental disconnection. 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

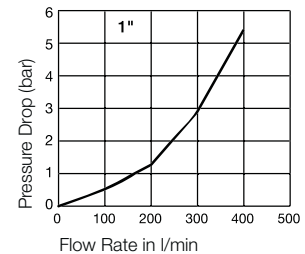
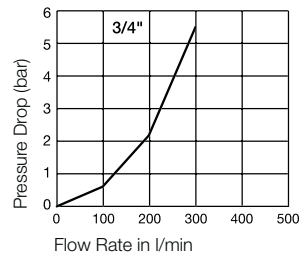
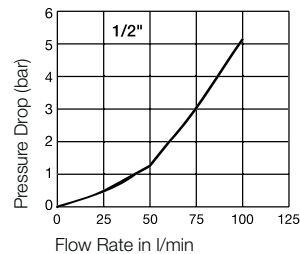
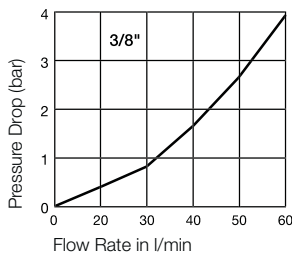
3/8"	450 bar
1/2"	400 bar
3/4"	315 bar
1"	200 bar

For the DIN 2353 light series with metric threads the maximum operating pressure is 315 bar up to 18L and 160 bar for 22L.

Working Temperature

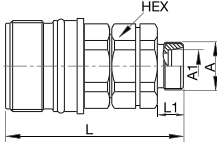
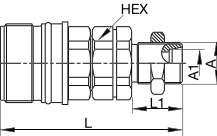
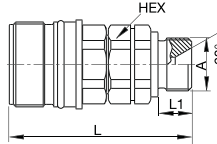
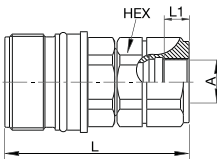
-25°C up to +110°C (NBR) depending on the medium.

Material Coupling	Standard
Valve Body	Steel, silver plated
Back Body	Steel, silver plated
Back-up Ring	PTFE
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel
Material Plug	Standard
Plug Body	Steel, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated
Sleeve	Steel, silver plated

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

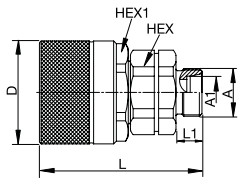
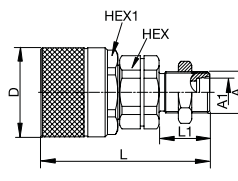
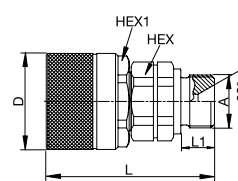
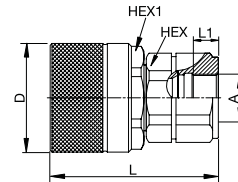
Couplings

QHPA-Series

	Size	Body Size	Conne- ction A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D1 mm	Version	Weight gr.	Part Number	
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M 14 x 1,5	8	22	62	10			Light Series	147	QHPA53D6X2-B	
	2	3/8"	M 16 x 1,5	10	22	63	11			Light Series	148	QHPA53D6X3-B	
	2	3/8"	M 18 x 1,5	10	22	64	12			Heavy Series	154	QHPA53D7X3-B	
	2	3/8"	M 20 x 1,6	12	22	64	12			Heavy Series	156	QHPA53D7X4-B	
	3	1/2"	M 18 x 1,5	12	30	65	11			Light Series	285	QHPA54D6X4-B	
	3	1/2"	M 22 x 1,5	15	30	66	12			Light Series	290	QHPA54D6X5-B	
	3	1/2"	M 22 x 1,6	14	30	68	14			Heavy Series	277	QHPA54D7X5-B	
	3	1/2"	M 24 x 1,5	16	30	68	14			Heavy Series	298	QHPA54D7X6-B	
	6	3/4"	M 26 x 1,5	18	41	93	12			Light Series	729	QHPA56D6X6-B	
	6	3/4"	M 30 x 2	22	41	95	14			Light Series	736	QHPA56D6X7-B	
	6	3/4"	M 30 x 2	20	41	97	16			Heavy Series	747	QHPA56D7X7-B	
	6	3/4"	M 36 x 2	25	41	99	18			Heavy Series	765	QHPA56D7X8-B	
	8	1"	M 42 x 2	30	55	122	20			Heavy Series	1572	QHPA58D7X9-B	
	 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M 14 x 1,5	8	22	78	26			Light Series	167	QHPA53E6X2-B
		2	3/8"	M 16 x 1,5	10	22	78	26			Light Series	179	QHPA53E6X3-B
		2	3/8"	M 18 x 1,5	10	22	79	27			Heavy Series	188	QHPA53E7X3-B
2		3/8"	M 20 x 1,5	12	22	79	27			Heavy Series	198	QHPA53E7X4-B	
3		1/2"	M 18 x 1,5	12	30	80	26			Light Series	313	QHPA54E6X4-B	
3		1/2"	M 22 x 1,5	15	30	81	27			Light Series	337	QHPA54E6X5-B	
3		1/2"	M 24 x 1,5	16	30	83	29			Heavy Series	356	QHPA54E7X6-B	
6		3/4"	M 26 x 1,5	18	41	115	27			Light Series	822	QHPA56E6X6-B	
6		3/4"	M 30 x 2	20	41	117	27			Heavy Series	865	QHPA56E7X7-B	
6		3/4"	M 36 x 2	25	41	119	27			Heavy Series	918	QHPA56E7X8-B	
8		1"	M 42 x 2	30	55	142	40			Heavy Series	1757	QHPA58E7X9-B	
 <p>Male BSPP Thread – DIN 3852 Form B</p>	2	3/8"	3/8"		22	66	12				183	QHPA53F4B3-B	
	3	1/2"	1/2"		30	71	14				301	QHPA54F4B4-B	
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	3/8"		22	64	12				155	QHPA53G4X3-B	
	3	1/2"	1/2"		30	67	12				311	QHPA54G4X4-B	
	6	3/4"	3/4"		41	100	16,5				838	QHPA56G4X6-B	
	6	3/4"	1"		41	100	18				786	QHPA56G4X8-B	



Plugs

QHPA-Series

	Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D1 mm	Version	Weight gr.	Part Number
 <p>Male Thread 24° cone – DIN 2353</p>	2	3/8"	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13D6X2-B
	2	3/8"	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13D6X3-B
	2	3/8"	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13D7X3-B
	2	3/8"	M 20 x 1,6	12	22	30	61	12	34	Heavy Series	162	QHPA13D7X4-B
	3	1/2"	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14D6X4-B
	3	1/2"	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14D6X5-B
	3	1/2"	M 22 x 1,6	14	30	36	65	14	42	Heavy Series	254	QHPA14D7X5-B
	3	1/2"	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14D7X6-B
	6	3/4"	M 26 x 1,5	18	41	50	80	12	55	Light Series	656	QHPA16D6X6-B
	6	3/4"	M 30 x 2	22	41	50	82	14	55	Light Series	663	QHPA16D6X7-B
	6	3/4"	M 30 x 2	20	41	50	84	16	55	Heavy Series	674	QHPA16D7X7-B
	6	3/4"	M 36 x 2	25	41	50	86	18	55	Heavy Series	592	QHPA16D7X8-B
	8	1"	M 42 x 2	30	55	80	117	20	85	Heavy Series	2082	QHPA18D7X9-B
	 <p>Male Thread 24° cone – DIN 2353 Bulkhead</p>	2	3/8"	M 14 x 1,5	8	22	30	75	26	34	Light Series	173
2		3/8"	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13E6X3-B
2		3/8"	M 18 x 1,5	10	22	30	76	27	34	Heavy Series	194	QHPA13E7X3-B
2		3/8"	M 20 x 1,5	12	22	30	76	27	34	Heavy Series	204	QHPA13E7X4-B
3		1/2"	M 18 x 1,5	12	30	36	77	26	42	Light Series	270	QHPA14E6X4-B
3		1/2"	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14E6X5-B
3		1/2"	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14E7X6-B
6		3/4"	M 26 x 1,5	18	41	50	102	27	55	Light Series	749	QHPA16E6X6-B
6		3/4"	M 30 x 2	20	41	50	104	27	55	Heavy Series	792	QHPA16E7X7-B
6		3/4"	M 36 x 2	25	41	50	106	27	55	Heavy Series	845	QHPA16E7X8-B
 <p>Male BSPP Thread – DIN 3852 Form B</p>	2	3/8"	3/8"		22	30	62	12	34		188	QHPA13F4B3-B
	3	1/2"	1/2"		30	36	68	14	42		258	QHPA14F4B4-B
 <p>Female BSPP Thread – DIN 3852 Form Y</p>	2	3/8"	3/8"		22	30	61	12	34		161	QHPA13G4X3-B
	3	1/2"	1/2"		30	36	64	12	42		268	QHPA14G4X4-B
	6	3/4"	3/4"		41	50	87	16,5	55		765	QHPA16G4X6-B
	6	3/4"	1"		41	50	87	18	55		713	QHPA16G4X8-B


Dust Protection

QHPA-Series

	Body Size	Description	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	QHPA16-DC
	1"	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	QHPA56-DP
	1"	for plug	Plastic	Red	QHPA58-DP

Seal-Kit

QHPA-Series

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



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