Screw-to-connect

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 impulsions.

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

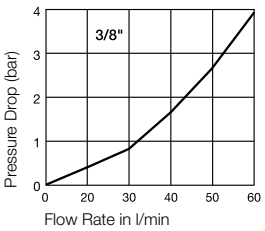
3/8"	450 bar
1/2"	400 bar
3/4"	370 bar
1"	300 bar

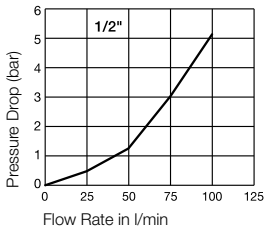
Working Temperature
-25°C up to +110°C (NBR) depending on the medium.

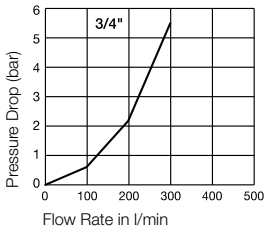
Material Coupling	Standard
Valve Body	Steel, silver plated
Back Body	Steel, silver plated
Back-up Ring	PTFE
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel

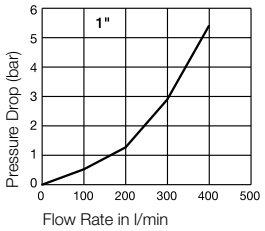
Material Plug	Standard
Plug Body	Steel, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated
Sleeve	Steel, silver plated

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



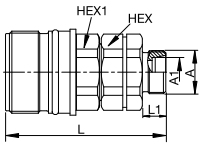






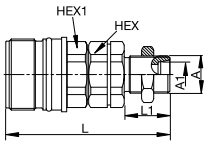
Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Couplings — QHPA-Series



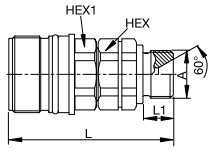
Male Thread 24° cone – DIN 2353

Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M 14 x 1,5	8	22	24	62	10		Light Series	147	QHPA53-D6X2-C
2	3/8"	M 16 x 1,5	10	22	24	63	11		Light Series	148	QHPA53-D6X3-C
2	3/8"	M 18 x 1,5	10	22	30	64	12		Heavy Series	154	QHPA53-D7X3-C
2	3/8"	M 20 x 1,5	12	22	24	64	12		Heavy Series	156	QHPA53-D7X4-C
3	1/2"	M 18 x 1,5	12	30	30	68	11		Light Series	285	QHPA54-D6X4-C
3	1/2"	M 22 x 1,5	15	30	30	69	12		Light Series	290	QHPA54-D6X5-C
3	1/2"	M 22 x 1,5	14	30	30	71	14		Heavy Series	277	QHPA54-D7X5-C
3	1/2"	M 24 x 1,5	16	30	30	71	14		Heavy Series	298	QHPA54-D7X6-C
6	3/4"	M 26 x 1,5	18	41	41	95	12		Light Series	729	QHPA56-D6X6-C
6	3/4"	M 30 x 2	22	41	41	97	14		Light Series	736	QHPA56-D6X7-C
6	3/4"	M 30 x 2	20	41	41	99	16		Heavy Series	747	QHPA56-D7X7-C
6	3/4"	M 36 x 2	25	41	41	101	18		Heavy Series	765	QHPA56-D7X8-C
8	1"	M 42 x 2	30	55	65	114	20		Heavy Series	1572	QHPA58-D7X9-C



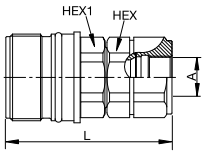
Male Thread 24° cone – DIN 2353
Bulkhead

Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M 14 x 1,5	8	22	24	76	25		Light Series	167	QHPA53-E6X2-C
2	3/8"	M 16 x 1,5	10	22	24	78	26		Light Series	179	QHPA53-E6X3-C
2	3/8"	M 20 x 1,5	12	22	24	78	27		Heavy Series	198	QHPA53-E7X4-C
3	1/2"	M 18 x 1,5	12	30	30	87	30		Light Series	313	QHPA54-E6X4-C
3	1/2"	M 22 x 1,5	15	30	30	84	27		Light Series	337	QHPA54-E6X5-C
3	1/2"	M 24 x 1,5	16	30	30	86	29		Heavy Series	356	QHPA54-E7X6-C
6	3/4"	M 26 x 1,5	18	41	41	115	32		Light Series	822	QHPA56-E6X6-C
6	3/4"	M 30 x 2	20	41	41	121	38		Heavy Series	865	QHPA56-E7X7-C
6	3/4"	M 36 x 2	25	41	41	121	38		Heavy Series	918	QHPA56-E7X8-C
8	1"	M 42 x 2	30	55	65	134	40		Heavy Series	1757	QHPA58-E7X9-C



Male BSPP Thread – DIN 3852
Form B

Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	3/8"		22	24	66	12			183	QHPA53-F4B3-C
3	1/2"	1/2"		30	30	72	12			301	QHPA54-F4B4-C

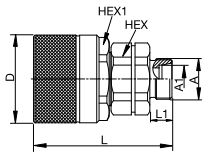
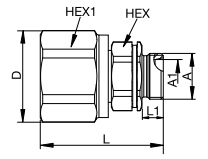
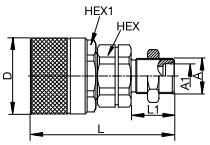
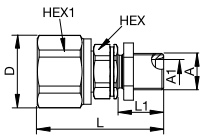
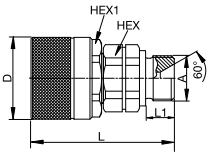
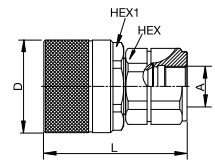
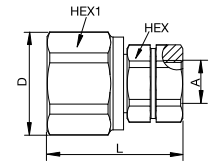


Female BSPP Thread – DIN 3852
Form Y

Size	Body Size	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	3/8"		22	24	67				155	QHPA53-G4X3-C
3	1/2"	1/2"		30	30	73				311	QHPA54-G4X4-C
6	3/4"	3/4"		41	41	96				838	QHPA56-G4X6-C
6	3/4"	1"		41	41	101				786	QHPA56-G4X8-C

⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs — QHPA-Series

	Size	Body Size	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"	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13-D6X2-C
	2	3/8"	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13-D6X3-C
	2	3/8"	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13-D7X3-C
	2	3/8"	M 20 x 1,5	12	22	30	61	12	34	Heavy Series	162	QHPA13-D7X4-C
	3	1/2"	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14-D6X4-C
	3	1/2"	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14-D6X5-C
	3	1/2"	M 22 x 1,5	14	32	36	65	14	42	Heavy Series	254	QHPA14-D7X5-C
	3	1/2"	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
 Male Thread 24° cone – DIN 2353	6	3/4"	M 26 x 1,5	18	41	55	79	12	60	Light Series	656	QHPA16-D6X6-C
	6	3/4"	M 30 x 2	22	41	55	81	14	60	Light Series	663	QHPA16-D6X7-C
	6	3/4"	M 30 x 2	20	41	55	82	16	60	Heavy Series	674	QHPA16-D7X7-C
	6	3/4"	M 36 x 2	25	41	55	85	18	60	Heavy Series	592	QHPA16-D7X8-C
	8	1"	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C
 Male Thread 24° cone – DIN 2353 Bulkhead	2	3/8"	M 14 x 1,5	8	22	30	74	25	34	Light Series	173	QHPA13-E6X2-C
	2	3/8"	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13-E6X3-C
	2	3/8"	M 20 x 1,5	12	22	30	76	27	34	Heavy Series	204	QHPA13-E7X4-C
	3	1/2"	M 18 x 1,5	12	30	36	81	30	42	Light Series	270	QHPA14-E6X4-C
	3	1/2"	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14-E6X5-C
	3	1/2"	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14-E7X6-C
 Male Thread 24° cone – DIN 2353 Bulkhead	6	3/4"	M 26 x 1,5	18	41	55	99	32	60	Light Series	749	QHPA16-E6X6-C
	6	3/4"	M 30 x 2	20	41	55	104	38	60	Heavy Series	792	QHPA16-E7X7-C
	6	3/4"	M 36 x 2	25	41	55	105	38	60	Heavy Series	845	QHPA16-E7X8-C
	8	1"	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"	3/8"		22	30	72	12	34		188	QHPA13-F4B3-C
	3	1/2"	1/2"		30	36	66	12	42		258	QHPA14-F4B4-C
 Female BSPP Thread – DIN 3852 Form Y	2	3/8"	3/8"		22	30	65		34		161	QHPA13-G4X3-C
	3	1/2"	1/2"		30	36	73		42		268	QHPA14-G4X4-C
 Female BSPP Thread – DIN 3852 Form Y	6	3/4"	3/4"		41	55	79		60		765	QHPA16-G4X6-C
	6	3/4"	1"		41	55	85		60		713	QHPA16-G4X8-C

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

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	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-C-KIT
	1/2"	NBR/PTFE	QHPA54-C-KIT
	3/4"	NBR/PTFE	QHPA56-C-KIT
	1"	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.

⚠ Please consider our security advices on the pages 12/13 ⚠

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark