Ball Locking
ISO Standard

ISO A
ISO 7241-1
Series A

Body Size
3/8" and 1/2"

ISO A-Profile
2000-Series

Medium Pressure



Technical Description
Meets the requirements of ISO 7241-1-A. Modular construction: broad choice of end configurations (variety of threads - BSPP and metric). Two valve options: Poppet or ball valving. Push-Pull connection- / disconnection.

Advantages
Can be connected with other products complying with the same standard. NBR seals and back-up ring in PTFE to withstand flow surges at high flow rates. Double acting sleeve (Push-Pull). Ball or three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Chrome 6 free plating.

Applications
- Used for a wide variety of agricultural applications
- Mobile and construction equipment
- Industrial equipment

Working Pressure
Poppet valve
3/8" 300 bar
1/2" 250 bar
Ball valving
1/2" 210 bar

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

Applications Area

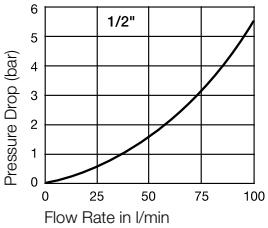


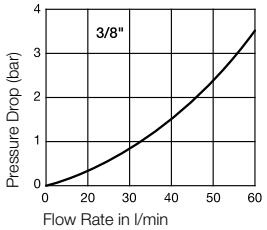
Material Coupling	Standard
Valve Body	Steel, silver plated
Sleeve	Steel, hardened, silver plated
Back-up Ring	Steel
Valve	Steel, silver plated
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel
Back Body	Steel, silver plated

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

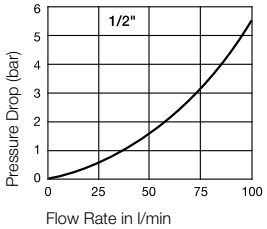
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

Poppet Valving

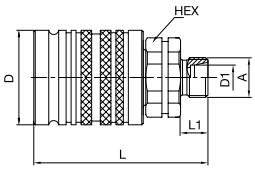
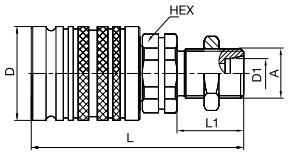
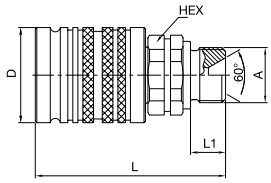
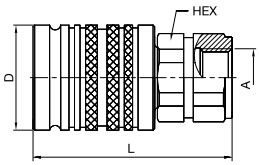




Ball Valving



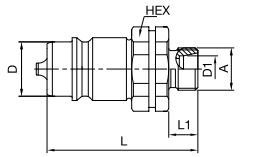
Couplings — 2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
 Male thread 24° cone – DIN 2353	3/8"	M 14 x 1,5	8	22	65	10	31	315	194	Light	4V53D6X2-C
	3/8"	M 16 x 1,5	10	22	66	11	31	315	196	Light	4V53D6X3-C
	3/8"	M 18 x 1,5	10	22	67	11	31	315	201	Heavy	4V53D7X3-C
	1/2"	M 14 x 1,5	8	27	66	10	38	250	293	Light	4V54D6X2-C
	1/2"	M 16 x 1,5	10	27	66	11	38	250	295	Light	4V54D6X3-C
	1/2"	M 18 x 1,5	12	27	85	11	38	250	295	Light	4V54D6X4-C
	1/2"	M 22 x 1,5	15	27	67	12	38	250	300	Light	4V54D6X5-C
	1/2"	M 26 x 1,5	18	27	67	12	38	250	306	Light	4V54D6X6-C
	1/2"	M 18 x 1,5	10	27	67	12	38	250	302	Heavy	4V54D7X3-C
	1/2"	M 24 x 1,5	16	27	67	14	38	250	309	Heavy	4V54D7X6-C
 Male thread 24° cone – DIN 2353 Bulkhead	3/8"	M 16 x 1,5	10	22	81	26	31	315	208	Light	4V53E6X3-C
	1/2"	M 14 x 1,5	8	27	82	26	38	250	314	Light	4V54E6X2-C
	1/2"	M 16 x 1,5	10	27	81	26	38	250	319	Light	4V54E6X3-C
	1/2"	M 18 x 1,5	12	27	85	26	38	250	325	Light	4V54E6X4-C
	1/2"	M 22 x 1,5	15	27	82	27	38	250	347	Light	4V54E6X5-C
	1/2"	M 26 x 1,5	18	27	82	34	38	250	380	Light	4V54E6X6-C
	1/2"	M 18 x 1,5	10	27	82	27	38	250	334	Heavy	4V54E7X3-C
	1/2"	M 20 x 1,5	12	27	82	27	38	250	344	Heavy	4V54E7X4-C
	1/2"	M 24 x 1,5	16	27	84	29	38	250	366	Heavy	4V54E7X6-C
 Male thread BSPP – DIN 3852 Form B	3/8"	3/8"		22	69	12	31	315	195		4V53F4B3-C
	1/2"	3/8"		27	70	12	38	250	327		4V54F4B3-C
	1/2"	1/2"		27	71	12	38	250	311		4V54F4B4-C
 Female thread – DIN 3852 Form Y	3/8"	3/8"		22	71		31	315	203		4V53G4X3-C
	1/2"	3/8"		27	66		38	250	327		4V54G4X3-C
	1/2"	1/2"		27	70		38	250	324		4V54G4X4-C
	1/2"	1/2"		27	63		38	210	304	Ball Valve	4054G4X4-C
	1/2"	3/4"		36	77		38	250	374		4V54G4X6-C
	1/2"	M 18 x 1,5		27	68		38	250	322		4V54G8X5-C
	1/2"	M 22 x 1,5		27	68		38	250	315		4V54G8X6-C
	1/2"	1/2" NPT		27	71		38	210	308	Ball Valve	4054G0Z4-C

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

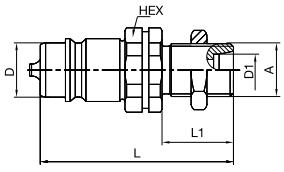
Plugs — 2000-Series

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	M 14 x 1,5	8	22	47	10	17,3	315	75	Light	4V13D6X2-C
3/8"	M 16 x 1,5	10	22	48	11	17,3	315	77	Light	4V13D6X3-C
3/8"	M 18 x 1,5	10	22	49	11	17,3	315	82	Heavy	4V13D7X3-C
1/2"	M 14 x 1,5	8	27	56	10	20,5	250	136	Light	4V14D6X2-C
1/2"	M 16 x 1,5	10	27	57	11	20,5	250	137	Light	4V14D6X3-C
1/2"	M 18 x 1,5	12	27	57	11	20,5	250	138	Light	4V14D6X4-C
1/2"	M 22 x 1,5	15	27	58	12	20,5	250	143	Light	4V14D6X5-C
1/2"	M 26 x 1,5	18	27	58	12	20,5	250	148	Light	4V14D6X6-C
1/2"	M 18 x 1,5	10	27	58	12	20,5	250	145	Heavy	4V14D7X3-C
1/2"	M 24 x 1,5	16	27	60	14	20,5	250	151	Heavy	4V14D7X6-C



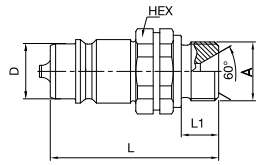
Male thread 24° cone – DIN 2353

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	M 16 x 1,5	10	22	63	26	17,3	315	98	Light	4V13E6X3-C
1/2"	M 14 x 1,5	8	27	72	26	20,5	250	156	Light	4V14E6X2-C
1/2"	M 16 x 1,5	10	27	72	26	20,5	250	162	Light	4V14E6X3-C
1/2"	M 18 x 1,5	12	27	76	30	20,5	250	166	Light	4V14E6X4-C
1/2"	M 22 x 1,5	15	27	73	27	20,5	250	190	Light	4V14E6X5-C
1/2"	M 26 x 1,5	18	27	73	27	20,5	250	222	Light	4V14E6X6-C
1/2"	M 18 x 1,5	10	27	73	27	20,5	250	176	Heavy	4V14E7X3-C
1/2"	M 20 x 1,5	12	27	73	27	20,5	250	186	Heavy	4V14E7X4-C
1/2"	M 24 x 1,5	16	27	75	29	20,5	250	208	Heavy	4V14E7X6-C



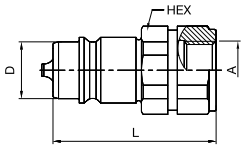
Male thread 24° cone – DIN 2353
Bulkhead

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	3/8"		22	51	12	17,3	315	75		4V13F4B3-C
1/2"	3/8"		27	61	12	20,5	250	146		4V14F4B3-C
1/2"	1/2"		27	63	14	20,5	250	154		4V14F4B4-C



Male thread BSPP – DIN 3852
Form B

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	3/8"		22	52		17,3	315	84		4V13G4X3-C
1/2"	3/8"		27	57		20,5	250	168		4V14G4X3-C
1/2"	1/2"		27	61		20,5	250	164		4V14G4X4-C
1/2"	1/2"		27	45		20,5	210	101	Ball Valve	4014G4X4-C
1/2"	3/4"		36	68		20,5	250	217		4V14G4X6-C
1/2"	M 18 x 1,5		27	60		20,5	250	165		4V14G8X5-C
1/2"	M 22 x 1,5		27	63		20,5	250	157		4V14G8X6-C
1/2"	1/2" NPT		27	45		20,5	210	104	Ball Valve	4014G0Z4-C



Female thread – DIN 3852
Form Y

Dust Protection — 2000-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	red	5025-3PR
	1/2"	for coupling	Plastic	see color code	5025-4P[1]
	3/8"	for plug	Plastic	red	5029-3PR
	1/2"	for plug	Plastic	see color code	5029-4P[1]
	1/2"	for coupling	Rubber	black	5205-4M
	1/2"	for plug	Rubber	black	5209-4M
	1/2"	for coupling	Steel		5005-4
	1/2"	for plug	Steel		5009-4

[1] Color code: B = blue/ G = green/ R = red/ O = orange/ Y = yellow/ BL = black

Seal-Kit — 2000-Series

Body Size	Version	Material O-Ring	Material Back-up Ring	Part Number
3/8"	for coupling/plug	NBR	PTFE	4V53-C-KIT
1/2"	for coupling/plug	NBR	PTFE	4V54-C-KIT

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