

Product-Datasheet-HBI-D

Stainless steel-high-pressure-block-ball valve with female thread



von Scheven

Armaturenfabrik und Apparatebau

D	V00
	005
	state 01/07

Rudolf von Scheven GmbH
Wuppertaler Str. 10-12 45549 Sprockhövel
www.von-scheven.com

Tel. + 49 (0)23 24 / 97 42 - 0
Fax + 49 (0)23 24 / 97 42 - 10
eMail sales@von-scheven.com

Stainless steel-block-ball valve steel

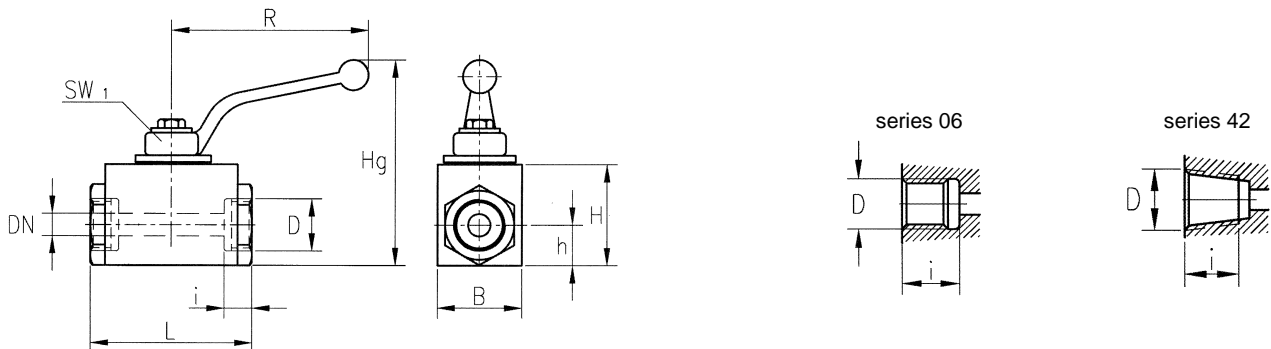
DN 4 - 40
PN 64 - 500 bar



face-to-face length
HBI - DIN 3202 series M3

type series

06 – with female threads on both sides acc. to DIN ISO 228 / 1
42 - NPT- female thread acc. to ANSI / ASME B1.20.1



Technical data type series 06 (with female threads on both sides acc. to DIN ISO 228 / 1)

DN	PN	D	i	L	B	H	h	Hg	R	SW1	weight (kg)
4	500	G 1/8	11	50	40	40	16	92	112	7	0,3
6	500	G 1/4	12,5	60	40	40	16	92	112	7	0,3
10	500	G 3/8	12,5	60	40	40	16	92	112	10	0,5
15	500	G 1/2	16	75	50	50	22	90	130	10	1,0
20	315	G 3/4	18	80	55	55	25	95	130	10	1,2
25	315	G 1	20	90	65	65	30	113	160	10	2,1
32*	315	G 1 1/4	22	136 **	65	65	30	113	160	10	2,3
40*	315	G 1 1/2	23	138 **	65	65	30	113	160	10	2,5

* reduced bore 24mm

** face-to-face length differs from M3; please request special face-to-face length, if demanded

Technical data type series 42 (NPT-female thread acc. to ANSI / ASME B1.20.1)

DN	PN	D	i	L	B	H	h	Hg	R	SW1	weight (kg)
4	500	NPT 1/8	11	50	25	30	12,5	61	76	7	0,3
6	500	NPT 1/4	12,5	50	40	40	16	71	76	7	0,3
10	500	NPT 3/8	12,5	60	40	40	16	92	112	10	0,5
15	500	NPT 1/2	15	75	50	50	22	90	130	10	1,0
20	315	NPT 3/4	18	80	55	55	25	95	130	10	1,2
25	315	NPT 1	20	90	65	65	30	113	160	10	2,1
32*	315	NPT 1 1/4	22	136 **	65	65	30	113	160	10	2,3
40*	315	NPT 1 1/2	23	138 **	65	65	30	113	160	10	2,5

* reduced bore 24mm

** face-to-face length differs from M3; please request special face-to-face length, if demanded

Order example: ball valve Type HBI-D DN15 stainless steel with female thread acc. to DIN ISO 228/1 (Serie 06)
⇒ HBI-D 15 06

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Stainless-block-ball valve steel

DN 4 - 40
PN 64 - 500 bar



technical description

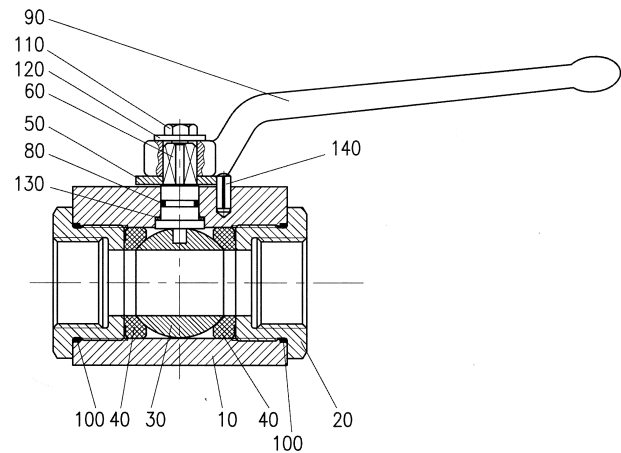
The ball valve type HBI-D consists of a block body with a screwed-in connector on both sides. The spindle has an anti-blow-out design. The use of an actuator is possible with an extension set. This possibility is to be announced with your order (additional charge).

Application area:

For non-aggressive fluids and gases. Furthermore, the resistiveness against the flow medium generally has to be given

Allowed operating temperature: -20 °C up to +100 °C
Differing temperatures on request.

Bill of materials			
Pos.	name	material	Wnr./DIN
10	body	X6CrNiMoTi17-12-2	1.4571
20	thread	X6CrNiMoTi17-12-2	1.4571
30	ball	X2CrNiMo17-12-2	1.4404
40	seal	POM	
50	stop washer	X5CrNi18-10	1.4301
60	spindel	X2CrNiMo17-12-2	1.4404
80	o-ring	FPM	
90	hand-lever	Z410	
100	o-ring	FPM	
110	screw	stainless steel	DIN EN ISO 24017
120	washer	stainless steel	DIN EN ISO 7093
130	slide ring	FPM	
140	stop pin	1.4305	DIN EN ISO 8740



Depending on the design, not all positions are used with every nominal diameter. In special types, several parts may be made of different materials. Flanged ball valves with turnable flanges are available in DN 15 up to DN 50.

If you have other demands, different from the here specified standard operational conditions, please feel free to request them separately.

In case of very low working pressure, use the low-pressure type with modified seals.

The operating and maintenance manual and in particular the safety instructions have to be followed. They can be downloaded from www.von-scheven.com, as well as certificates and approvals.

All dimensions in mm.

Technical changes reserved.