

Dimensions: DN04 to DN25

body: FSt-PI, free cutting steel, S355J2G3
 ball + stem: free cutting steel, stainless steel (1.4571/316Ti)
 sealing: plastics, metal

Adapter:

BSP thread, NPT thread, compression fitting light and heavy series, UNC/UNF female thread, bulkhead connection, welding end and welding taper, plug-in socket and plug nipple

Pressure range:

up to PN500 (note table of dimensions)

Field of application:

hydraulics, particularly in construction industry and agricultural machinery, mining industry and gas industry (Material of seals and body adapted to application!)

Temperature range:

standard: -20°C to +60°C (-4 to +140°F)

Surface:

black oxide finishing, chrome-VI-free, varnished

Special equipment on request!

- locking device
- actuators
- base plate
- mounting holes
- position switches
- combinations
- detent kits
- special materials



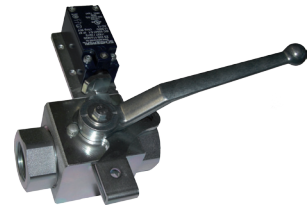
BKH with actuator



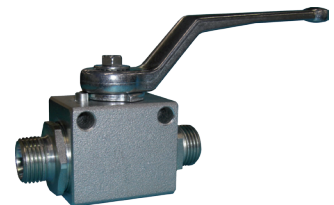
BKH combination



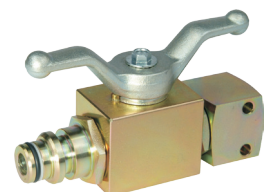
BKH with base plate



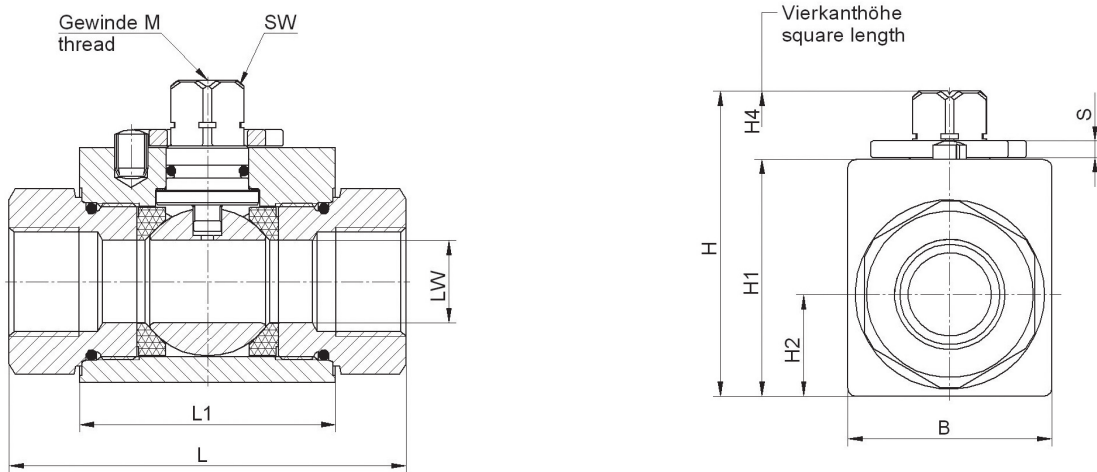
BKH with locking device and position switch



BKH with mounting holes



BBKH MD-N



DN mm	LW mm	PN ¹⁾ bar	L1 mm	B mm	H mm	H1 mm	H2 mm	H4 mm	SW mm	M	S mm
4	Ø 5	500	36,2	26	43,4	32	12,8	11	9	M5	3
6	Ø 6	500	36,2	26	43,4	32	12,8	11	9	M5	3
8	Ø 8	500	36,2	26	43,4	32	12,8	11	9	M5	3
10	Ø 10	500	43,2	32	49,2	38	16,25	10,9	9	M5	3
13	Ø 13	500	48,2	35	51,2	40	17,25	10,9	9	M5	3
16	Ø 15	500	48,2	38	61,9	46	18,7	15,5	12	M6	3,5
20	Ø 20	400	62,2	49	73,4	57	24,5	16	14	M6	4
25	Ø 24	350	66,2	54	76,6	60	26,5	16	14	M6	4

¹⁾ For PN max. and tightening torque see data of the compression fitting manufacturer. • Dimensions apply for FSt-PI and free cutting steel, dimensions of S355J2G3 bodies are different. • Reduced press. rating must be taken into consideration acc. to application and materials. • Dimensions subject to change without notice

Order example

Serie 040	Anschluss ³⁾	Nennweite	Werkstoff ⁴⁾	Zubehör / Sonder ⁴⁾ siehe Rubrik Zubehör
Series 040	Connection ³⁾	Nominal size	Material ⁴⁾	Equipment / specials ⁴⁾ see category equipment
BKH	165	13	1123 1	BoDg

³⁾

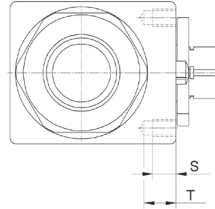
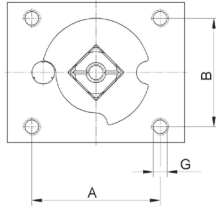
left and right side connectors can be used in any combination

⁴⁾

We would be glad helping you to choose proper material and equipment.

Mounting holes for BKH

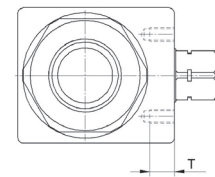
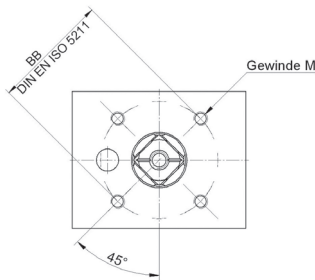
DN mm	A mm	B mm	G	S mm	T mm
10	34	24	M6	8	11
13	34	24	M6	8	11
16	34	24	M6	8	11
20	45	38	M6	8	11
25	45	38	M6	8	11



BoSte:

panel mounting

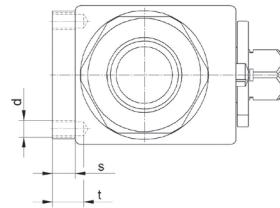
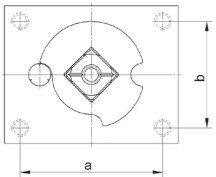
DN mm	BB mm	ISO	M	T mm
10	Ø 36	F03	M5	7,5
13	Ø 36	F03	M5	7,5
16	Ø 36	F03	M5	7,5
20	Ø 42	F04	M5	9
25	Ø 50	F05	M6	9



BofA:

tapped holes
ISO 5211

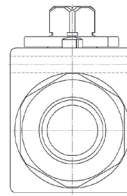
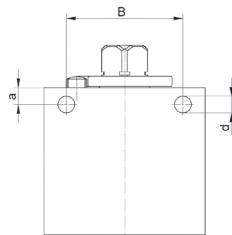
DN mm	a mm	b mm	d	t mm	s mm
4-8	24	20	M6	—	6
10	34	24	M5	7,5	6,5
13	38	27	M6	7	6,5
16	38	27	M6	7	7
20	51	39	M6	11	8
25	52	44	M6	8	6



Bo4Bo:

tapped holes at bottom
with additional plate

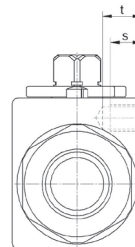
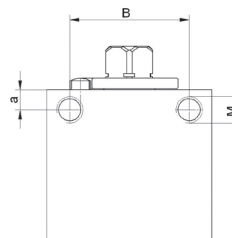
DN mm	B mm	a mm	d mm
4-8	26	5	Ø 4,5
10	32	5	Ø 6,5
13	37,5	4,8	Ø 6,5
16	37,5	5	Ø 6,5
20	45	6,5	Ø 6,5
25	55	6	Ø 6,7



BoDg:

through-bore holes
on the side

DN mm	B mm	a mm	M	s mm	t mm
4-8	24	6	M6	6,5	9
10	32	5,5	M6	7	10
13	36	6	M6	8,5	11
16	32	8	M6	7	10,5
20	45	7,5	M10	12	15
25	45	7,5	M10	12	15



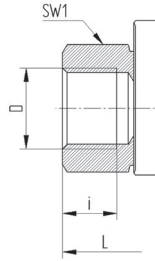
BoGb:

tapped holes
on the side

Srew sockets for BKH

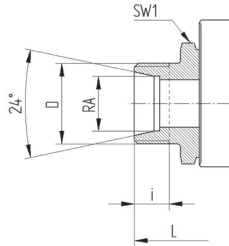
Connection

BSP female thread DIN/ISO 228



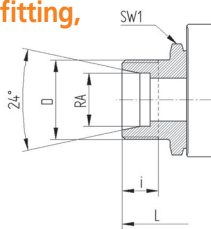
DN	LW	Gewindegröße • Bestellschlüssel Screw size • Order code	Gewindegröße bei DIN2353 Screw size for DIN2353	L	i	SW1	Gewicht Weight
mm	mm		mm	mm	mm	mm	kg
4	Ø 5	G 1/8	—	69	8	22	0,35
6	Ø 6	G 1/4	—	69	12	22	0,35
10	Ø 8	G 3/8	—	69	12	22	0,35
10	Ø 10	G 3/8	—	73	12	27	0,5
13	Ø 13	G 1/2	—	85	14	30	0,65
16	Ø 15	G 1/2	—	84	14	32	0,75
20	Ø 20	G 3/4	—	96	16	41	1,5
25	Ø 24	G 1	—	113	18	46	2
32	Ø 24	G 5/4	—	121	20	50	2,1
40	Ø 24	G 3/2	—	124	22	55	2,1

For compression fitting, light series DIN 2353 L



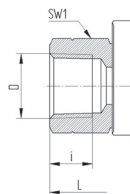
4	Ø 5	6L	M 12x1,5	67	7,5	22	0,3
6	Ø 6	8L	M 14x1,5	67	7,5	22	0,3
8	Ø 8	10L	M 16x1,5	71	8,5	22	0,3
10	Ø 8	12L	M 18x1,5	71	8,5	22	0,3
10	Ø 10	12L	M 18x1,5	75	8,5	27	0,5
13	Ø 10	15L	M 22x1,5	77	9,5	27	0,5
13	Ø 13	15L	M 22x1,5	84	9,5	30	0,6
16	Ø 13	18L	M 26x1,5	84	9,5	30	0,6
16	Ø 13	15L	M 22x1,5	83	9,5	32	0,75
16	Ø 15	18L	M 26x1,5	83	9,5	32	0,75
20	Ø 20	22L	M 30x2	102	12	41	1,5
25	Ø 24	28L	M 36x2	108	12	46	2
32	Ø 24	35L	M 45x2	114	13,5	50	2,1
40	Ø 24	42L	M 52x2	114	13,5	55	2,2

For compression fitting, heavy series DIN 2353 S



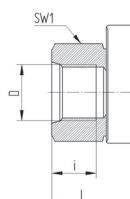
4	Ø 5	6S	M 14x1,5	71,5	9,5	22	0,35
4	Ø 5	8S	M 16x1,5	73	9,5	22	0,35
6	Ø 6	10S	M 18x1,5	73	9,5	22	0,35
8	Ø 8	12S	M 20x1,5	77	9,5	22	0,35
10	Ø 10	14S	M 22x1,5	84	11,5	27	0,5
13	Ø 13	16S	M 24x1,5	87	11,5	30	0,6
16	Ø 13	20S	M 30x2	91	13,5	30	0,65
16	Ø 13	16S	M 24x1,5	87	11,5	32	0,75
16	Ø 15	20S	M 30x2	90	13,5	32	0,75
20	Ø 20	25S	M 36x2	110	15	41	1,5
25	Ø 24	30S	M 42x2	120	17	46	2,1
32	Ø 24	38S	M 52x2	125	19	55	2,3

NPT female thread ANSI B 1.20.1



4	Ø 5	1/8 NPT	—	69	8	22	0,35
6	Ø 6	1/4 NPT	—	69	11,5	22	0,35
10	Ø 10	3/8 NPT	—	73	12	27	0,5
13	Ø 13	1/2 NPT	—	92	15,5	30	0,65
20	Ø 20	3/4 NPT	—	97	16	41	1,5
25	Ø 24	1 NPT	—	113	19	46	2
32	Ø 24	5/4 NPT	—	131	19,5	50	2,1
40	Ø 24	3/2 NPT	—	139	19,5	55	2,3

UN/UNF female thread SAE J514



6	Ø 6	7/16-20 UNF-2B	—	69	11,5	22	0,35
10	Ø 10	9/16-18 UNF-2B	—	75	12,7	27	0,5
13	Ø 13	3/4-16 UNF-2B	—	85	14,3	30	0,65
16	Ø 15	7/8-14 UNF-2B	—	84	16,7	32	0,75
20	Ø 20	1 1/16-12 UN-2B	—	96	19	41	1,5
25	Ø 24	1 5/16-12 UN-2B	—	114	19	46	2
32	Ø 24	1 3/4-12 UN-2B	—	122	19	50	2,2
40	Ø 24	1 7/8-12 UN-2B	—	128	19	60	2,4