

Steel ball valve - DN 15 - 50, PN 40

Type 61103 / 64103 - Reduced bore

Flange × Flange

Fully welded steel ball valve.

Materials

See next page.

Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

Media

Water, air and other media not decomposing the steel. Not suitable for steam. If in doubt, please contact BROEN BALLOMAX® Sales Department.

Surface treatment

Eco-friendly protection finish against corrosion.

Operation

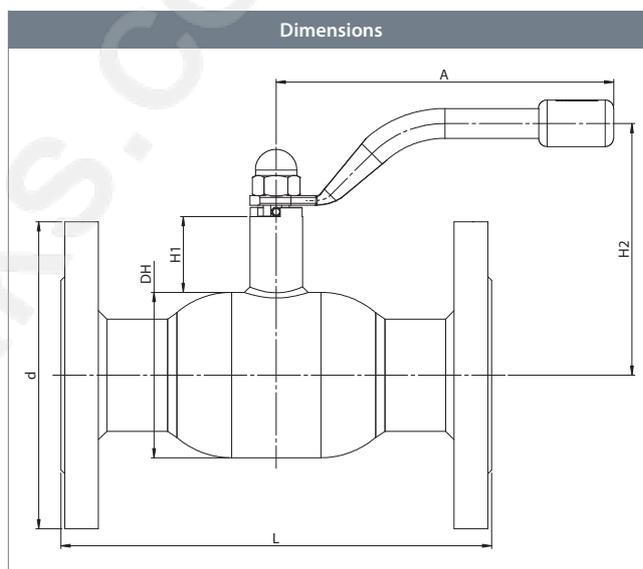
The standard handle is 180 degrees adjustable.

Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). All ball valves as from DN 40 are CE-marked. The 3.1 certificate is available upon request.

Notice

Other lengths and special flanges available on request.



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm					
					DH	d	L	H1	H2	A
15	61103015 010	10	8	1.5	38	95	130	50	116	140
20	64103020 010	15	15	2.9	42	105	150	47	85	140
25	64103025 010	20	27	3.5	51	115	160	47	89	140
32	64103032 010	25	40	4.8	57	140	180	48	93	140
40	64103040 010	32	69	6.2	76	150	200	41	108	180
50	64103050 010	40	110	8.2	89	165	230	41	114	180

Steel ball valve - DN 15 - 50, PN 40

Type 61103 / 64103 - **Reduced bore**



Technical drawing		Material description	
	2	Flange	Steel - S235JRG2 / 1.0038 / EN 10025-2
	5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
	6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
	7	Seat ring	PTFE 20% Carbon
	8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
	9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
	10	Neck ring	Steel - S355J2+N / 1.0570 / EN 10025-2
	11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
	12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
	13	Stem washer	Stainless steel - AISI304 / 1.4301 / EN 10088-3
	14	Friction washer	PTFE 20% Carbon
	15	O-ring	Rubber - EPDM70
	16	Back-up ring	PTFE 20% Carbon
	17	O-ring	Rubber - FPM70
	18	Intermediate ring	Stainless steel - AISI303 / 1.4305 / EN 10088-3
	19	Pin	Steel - hardenat
	20	Handle	Steel
	21	Cap nut	Steel - galvanized

Accessories	BROEN No.	Dimension	Description
	66050010 000 - yellow	DN 15 - 32	T-handles in three different colors - yellow, blue and red. Factory fitted T-handle on request.
	66050010 003 - blue		
	66050010 004 - red		
	66050040 000 -	DN 40 - 50	
	66050040 003 - blue		
	66050040 004 - red		
	203245	DN 15 - 32	ISO-flange.
	208245	DN 40 - 50	
	66160010 000	DN 15 - 32	Hexagon for insertion key.
	66160040 000	DN 40 - 50	

Special model: Minimum length - Flange x Flange - DN 15 - 50:

DN	Standard length - mm	Minimum length - mm
15	130	On request
20	150	118
25	160	130
32	180	135
40	200	150
50	230	165

Steel ball valve - DN 65 - 150, PN 25

Type 64103 - Reduced bore

Flange × Flange

Fully welded steel ball valve.

Materials

See next page.

Applications

Isolating valve for heating systems, district heating, cooling and industrial purpose.

Media

Water, air and other media not decomposing the steel. Not suitable for steam. If in doubt, please contact BROEN BALLOMAX® Sales Department.

Surface treatment

Eco-friendly protection finish against corrosion.

Operation

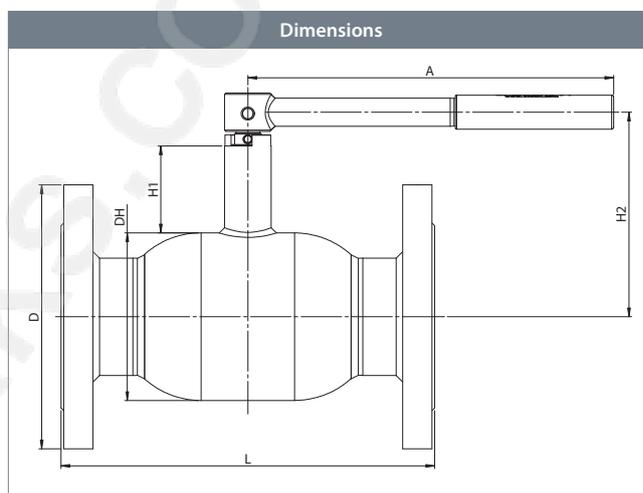
The standard handle is 180 degrees adjustable.

Approvals and certificates

BROEN is certified according to ISO 9001 and environmentally certified according to ISO 14001. BROEN BALLOMAX® is approved according to the requirements of Pressure Equipment Directive (PED). All ball valves as from DN 40 are CE-marked. The 3.1 certificate is available upon request.

Notice

Other lengths and special flanges available on request.



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm					
					DH	D	L	H1	H2	A
65	6410325065 010	50	180	9,9	108	185	270	66	144	275
80	6410325080 010	65	288	13,2	127	200	280	66	154	275
100	6410325100 010	85	470	18,3	152	235	300	81	193	365
125	6410325125 010	100	699	27,1	178	270	325	91	211	365
150	6410325150 010	125	1046	36,2	219	300	350	101	249	650

Steel ball valve - DN 65 - 150, PN 25

Type 64103 - Reduced bore



Technical drawing	Material description		
	2	Flange	Steel - S235JRG2 / 1.0038 / EN 10025-2
	5	Valve body	Steel - P235GH / 1.0345 / EN 10217-2
	6	Ball	Stainless steel - AISI304L / 1.4306 / EN 10217-7
	7	Seat ring	PTFE 20% Carbon
	8	Back-up ring	Steel - DC01 / 1.0330 / EN 10130
	9	Disc spring	Steel - C75S / 1.1248 / EN 10132-4
	10	Neck ring	Stainless steel - S235JRG2 / 1.0038 / EN 10025-2
	11	Stem guide	Steel - S355J2+N / 1.0570 / EN 10025-2
	12	Stem	Stainless steel - ASTM420 / 1.4021 / EN 10088-3
	13	Stem washer	Stainless steel - AISI304 / 1.4301 / EN 10088-3
	14	Friction washer	PTFE 20% Carbon
	15	O-ring	Rubber - EPDM70
16	Back-up ring	PTFE 20% Carbon	
17	O-ring	Rubber - FPM70	
18	Intermediate ring	Stainless steel - AISI303 / 1.4305 / EN 10088-3	
19	Pin	Steel - hardenat	
20	Handle	Steel	
22	Bearing	Steel - PTFE	

Accessories	BROEN No.	Dimension	Description
	167245	DN 65 - 80	ISO-flange.
	169245	DN 100	
	66160065 000	DN 65 - 80	Hexagon for insertion key.
	66164100 000	DN 100	
	66161100 000	DN 125	
	66161150 000	DN 150	

Special model: Minimum length - Flange × Flange - DN 65 - 150:

DN	Standard length - mm	Minimum length - mm
65	270	206
80	280	224
100	300	244
125	-	-
150	-	-