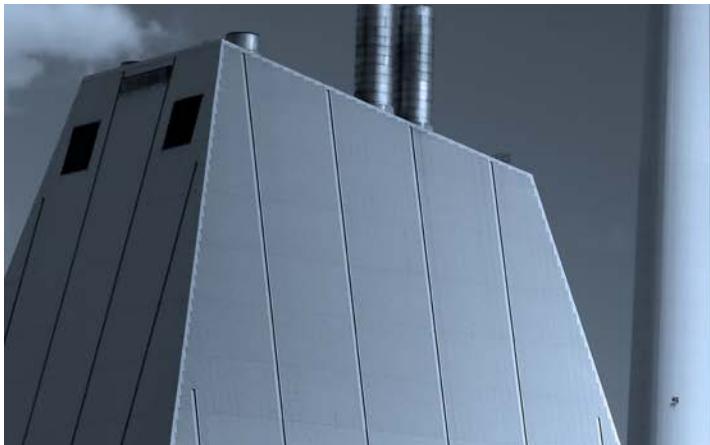


PRODUCT AND PRICE LIST 2020

VERSION 1.0

Ballomax®
DESIGNED TO LAST



About BROEN

About BROEN	8
About BROEN Ballomax®	8

STEEL BALL VALVES

BROEN Ballomax® - Steel ball valves - Reduced bore

DN10-50	PN40	Female	Female	High and low stem	9		
DN10-50	PN40	Female	Welding		9		
DN15-20	PN40	Female	Welding (end extended)		10		
DN15-25	PN40	Welding	Cap and chain		10		
DN10-50	PN40	Welding	Welding		11		
DN65-150	PN25	Welding	Welding		11		
DN65-100	PN25	Welding	Welding	Flowoptimized	11		
DN125-200	PN25	Welding	Welding	ISO-flange	12		
DN100-200	PN25	Welding	Welding	BROEN-Gear	12		
DN250-500	PN25	Welding	Welding	LOW stem	13		
DN250-500	PN25	Welding	Welding	LOW stem	BROEN-Gear	13	
DN250-500	PN25	Welding	Welding	HIGH stem	14		
DN250-500	PN25	Welding	Welding	HIGH stem	BROEN-Gear	14	
DN250-500	PN25	Welding	Welding	HIGH stem	Flowoptimized	15	
DN250-500	PN25	Welding	Welding	HIGH stem	Flowoptimized	BROEN-Gear	15
DN20-50	PN40	Flange	Welding		16		
DN65-100	PN25	Flange	Welding		16		
DN125-150	PN25	Flange	Welding	ISO-flange	17		
DN65-100	PN16	Flange	Welding		17		
DN125-150	PN16	Flange	Welding	ISO-flange	17		
DN15-50	PN40	Flange	Flange		18		
DN65-150	PN25	Flange	Flange		18		
DN125-200	PN25	Flange	Flange	ISO-flange	19		
DN100-200	PN25	Flange	Flange	BROEN-Gear	19		
DN250-500	PN25	Flange	Flange	LOW stem	20		
DN250-500	PN25	Flange	Flange	LOW stem	BROEN-Gear	20	
DN250-500	PN25	Flange	Flange	HIGH stem	21		
DN250-500	PN25	Flange	Flange	HIGH stem	BROEN-Gear	21	
DN250-500	PN25	Flange	Flange	HIGH stem	Flowoptimized	22	
DN250-500	PN25	Flange	Flange	HIGH stem	Flowoptimized	BROEN-Gear	22
DN65-100	PN16	Flange	Flange		23		

All prices are in EURO and do not include VAT. Reservations are made for printing errors. All rights reserved.

This price list replaces previous price lists and price sheets and is valid until 31 December 2020.

DN125-200	PN16	Flange	Flange	ISO-flange	24
DN100-200	PN16	Flange	Flange	BROEN-Gear	24
DN250-500	PN16	Flange	Flange	LOW stem	25
DN250-500	PN16	Flange	Flange	LOW stem BROEN-Gear	25
DN250-500	PN16	Flange	Flange	HIGH stem	26
DN250-500	PN16	Flange	Flange	HIGH stem BROEN-Gear	26
DN250-500	PN16	Flange	Flange	HIGH stem Flowoptimized	27
DN250-500	PN16	Flange	Flange	HIGH stem Flowoptimized BROEN-Gear	27

BROEN Ballomax® - Steel ball valves - Full bore

DN10-50	PN25	Female	Female	High and low stem	28
DN10-50	PN25	Welding	Welding	High and low stem	28
DN10-50	PN25	Female	Welding	High and low stem	29
DN10-50	PN25	Cap	Welding	High and low stem	29
DN10-50	PN25	Flange	Welding	30	
DN10-50	PN25	Flange	Flange	30	
DN15-50	PN40	Female	Female	31	
DN15-50	PN40	Welding	Welding	31	
DN65-125	PN25	Welding	Welding	32	
DN100-150	PN25	Welding	Welding	ISO-flange	33
DN100-150	PN25	Welding	Welding	BROEN-Gear	33
DN200-400	PN25	Welding	Welding	LOW stem	34
DN200-400	PN25	Welding	Welding	LOW stem BROEN-Gear	34
DN200-400	PN25	Welding	Welding	HIGH stem	35
DN200-400	PN25	Welding	Welding	HIGH stem BROEN-Gear	35
DN20-50	PN40	Flange	Welding	36	
DN65-100	PN25	Flange	Welding	36	
DN65-100	PN16	Flange	Welding	36	
DN15-50	PN40	Flange	Flange	37	
DN65-125	PN25	Flange	Flange	37	
DN125-150	PN25	Flange	Flange	ISO-flange	38
DN100-150	PN25	Flange	Flange	BROEN-Gear	38
DN200-400	PN25	Flange	Flange	LOW stem	39
DN200-400	PN25	Flange	Flange	LOW stem BROEN-Gear	39
DN200-400	PN25	Flange	Flange	HIGH stem	40
DN200-400	PN25	Flange	Flange	HIGH stem BROEN-Gear	40
DN65-125	PN16	Flange	Flange	41	
DN125-150	PN16	Flange	Flange	ISO-flange	42
DN125-150	PN16	Flange	Flange	BROEN-Gear	42
DN200-400	PN16	Flange	Flange	LOW stem	43
DN200-400	PN16	Flange	Flange	LOW stem BROEN-Gear	43

DN200-400	PN16	Flange	Flange	HIGH stem		44
DN200-400	PN16	Flange	Flange	HIGH stem	BROEN-Gear	44

FLEXIBLE MAIN STOP VALVES

BROEN Ballomax® - Flexible main stop valves

DN15-20	PN25	Female	Female			45
DN15-20	PN25	Welding	Female			45
DN15-20	PN25	Welding	Welding			46

ACCESSORIES FOR FLEXIBLE MAIN STOP VALVES

DN15-20	PN25	Accessory	Bracket for extension			47
DN15-20	PN25	Accessory	Insulation shells			47
DN15-20	PN25	Accessory	T-handles			47
DN15-20	PN25	Accessory	Lock fitting			47

HIGH TEMPERATURE VALVES

BROEN Ballomax® - High temperature valves

DN10-50	PN40	Female	Female			48
DN10-50	PN40	Female	Female	ISO-flange		48
DN10-50	PN40	Welding	Welding			49
DN10-50	PN40	Welding	Welding	ISO-flange		49
DN65-200	PN25	Welding	Welding			50
DN65-200	PN25	Welding	Welding	ISO-flange		50
DN125-200	PN25	Welding	Welding	BROEN-Gear		51
DN15-50	PN40	Flange	Flange			52
DN15-50	PN40	Flange	Flange	ISO-flange		52
DN65-200	PN25	Flange	Flange			53
DN65-200	PN25	Flange	Flange	ISO-flange		53
DN125-200	PN25	Flange	Flange	BROEN-Gear		54
DN65-200	PN16	Flange	Flange			54
DN65-200	PN16	Flange	Flange	ISO-flange		55
DN125-200	PN16	Flange	Flange	BROEN-Gear		55

ACCESSORIES

DN10-50	Accessory	Handle - BBM Full Flow valves			56
DN10-20	Accessory	T-handle - BBM Full Flow valves			56
DN10-50	Accessories	T-handle			56
DN10-200	Accessories	Handle			57
DN10-100	Accessories	ISO-flange, mounting kit			57

DN10-150	Accessories	Hexagon insertion key	58
DN10-125	Accessories	Spindle extension for type 61-64 valves	58
DN10-500	Accessories	BROEN Ballomax® Repair-set	59
DN100-500	Accessories	BROEN-Gear	60
DN40-300	Accessories	BROEN-Gear	60
DN15-50	PN40	Flange dimensions	61
DN15-500	PN25	Flange dimensions	62
DN15-500	PN16	Flange dimensions	63

MONOBLOCK AND SHORT VALVES

BROEN Ballomax® monoblock and short valves

Infomation about BROEN Ballomax® monoblock and short valves					65
DN15-32		Monoblock single - PN40/25/16			66
DN15-32		Monoblock single with ISO-flange - PN40/25/16			66
DN40-80	PN16	Flange	Flange		67
DN40-80	PN16	Flange	Flange		67
DN40-80	PN16	Flange	Flange		68
DN100-200	PN16	Flange	Flange		68
DN100-150	PN16	Flange	Flange		69
DN100-200	PN16	Flange	Flange		69
DN100-200	PN16	Flange	BROEN-Gear		70

TRUNNION MOUNTED VALVES

BROEN Ballomax® - Trunnion mounted valves - Full bore

Infomation about BROEN Ballomax® Trunnion mounted valves					71
DN150-350	Welding	Welding	PN40/25/16		72
DN400-1000	Welding	Welding	PN40/25/16		73
DN150-350	Flange	Flange	PN40/25/16		74
DN400-1000	Flange	Flange	PN40/25/16		75

BROEN Ballomax® - Trunnion mounted valves - Reduced bore

DN150-400	Welding	Welding	PN40/25/16		76
DN500-1000	Welding	Welding	PN40/25/16		77
DN150-400	Flange	Flange	PN40/25/16		78
DN500-1000	Flange	Flange	PN40/25/16		79
Infomation about BROEN Ballomax® Trunnion mounted valve with gear					80

BUTTERFLY VALVES

BROEN Butterfly valve

Infomation about BROEN Butterfly valves	81
DN80-1000 PN25 Welding Welding BROEN-Gear	82
DN80-1000 PN25 Flange Flange BROEN-Gear	83
DN80-1000 PN25 Wafer type 	84

UNDERGROUND VALVES

Infomation about BROEN Ballomax® trunnion mounted steel ball valves	85
---	----

BROEN Ballomax® - Trunnion mounted steel ball valves - Reduced bore

DN150-500 PN25 Welding Welding HEX	86
DN150-1000 PN25 Welding Welding ISO	87

BROEN Ballomax® - Trunnion mounted steel ball valves - Full bore

DN150-400 PN25 Welding Welding HEX	88
DN150-1000 PN25 Welding Welding ISO	89

Infomation about BROEN Ballomax® ball valves for preinsulation	90
--	----

BROEN Ballomax® - Ball valves for preinsulation - Reduced bore

DN20-200 PN25 Welding Welding	91
DN250-400 PN25 Welding Welding	91
DN125-200 PN25 Welding Welding ISO-flange	92
DN250-350 PN25 Welding Welding ISO-flange	92
DN400-500 PN25 Welding Welding ISO-flange	93
DN125-500 PN25 Welding Welding BROEN-Gear	93

BROEN Ballomax® - Ball valves for preinsulation - Full bore

DN25-150 PN25 Welding Welding	94
DN200-350 PN25 Welding Welding	94
DN125-150 PN25 Welding Welding ISO-flange	95
DN200-250 PN25 Welding Welding ISO-flange	95
DN300-400 PN25 Welding Welding ISO-flange	96
DN125-400 PN25 Welding Welding BROEN-Gear	96

ACCESSORIES FOR UNDERGROUND VALVES

Service ball valves

DN25-50 Female Welding PN40/25/16	97
DN25-50 Female Welding PN40/25/16	97
DN25/50/80 Female Welding PN40/25/16	97

DN25/50/80	Female	Welding	PN40/25/16	98
DN50	Female	Welding	PN40/25/16 (Full flow)	98
DN20-150	Accessories	Flex extension		98
DN80-300	Accessories	Flex extension		99
	Accessories	Universal allen key		99
DN80-350	Accessories	BROEN-Gear - Portable gear		99
DN100-200	Accessories	Adapter ISO ---> HEX		100
DN200-300	Accessories	Adapter HEX ---> ISO		100
DN80-400	Accessories	BROEN-Gear - Planetary gear		101
DN150-500	Accessories	BROEN-Gear - Bevel gear		101
DN150-500	Accessories	BROEN-Gear - Bevel gear		102
DN200-500	Accessories	Telescopic extension		102
DN20-200	Accessories	BROEN Ballomax® Repair-set		103
DN150-500	Accessories	BROEN Ballomax® Repair-set		103

HOT TAP VALVES

Ballomax® - Hot tap valve - Reduced bore

DN15-100	PN25	Welding	Welding	104
DN15-50		Accessories	Hot tap tool - PN25	104
DN65-100		Accessories	Hot tap tool - PN25	104

Ballomax® - Hot tap valve - Full bore

DN20-50	PN25	Welding	Welding	105
DN20-50		Accessories	Hot tap tool - PN25	105
DN15-100	PN25		Hot tap tool - product overview	106
DN15-50	PN25		Hot tap tool - product overview	107
DN65-100	PN25		Hot tap tool - product overview	108

BRANCHING VALVES

BROEN Ballomax® - Branching valves - Reduced bore

DN20-50	PN40	Female	Welding	109
DN15-50	PN40	Welding	Welding	109
DN40-50	PN40	Welding	Welding Flowoptimized	109
DN65-100	PN25	Welding	Welding	110
DN65-100	PN25	Welding	Welding Flowoptimized	110
DN125-200	PN25	Welding	Welding	110

BROEN Ballomax® - Branching valves - Full bore

DN15-50	PN40	Female	Welding	111
DN15-50	PN40	Welding	Welding	111
DN65-80	PN25	Welding	Welding	112
DN100-150	PN25	Welding	Welding	112

BROEN – A global partner

A global company with local knowledge

Even though BROEN is an international company exporting to more than 50 countries, we are always close to you through our comprehensive network and partners. This assures you easy access to our services and profound knowledge of local conditions.

We have more than 600 staff members as well as companies and cooperation partners all over the world. Our staff members create strong relations across business areas and borders and provide BROEN with a flexible and loyal foundation for the best possible service to our customers.

At BROEN we are always focusing on innovation and integrated solutions, for the benefit of people in daily life. We cherish knowledge and experience and use it to create new initiatives and products.

Furthermore, BROEN is part of Aalberts Industries N.V. listed on the stock exchange in Amsterdam.

For further information go to www.broen.com and www.aalberts.com.

BROEN Ballomax® Approvals

For more than 30 years BROEN has pioneered in district energy by constantly pursuing and refining valve technology for heating and cooling applications and is today a trusted and preferred supplier for long lasting, efficient energy solutions.

BROEN A/S has been ISO 9001 certified since 2001 and today holds the certificate ISO 9001:2015.

BROEN Ballomax® steel ball valves have been approved according to the requirements of Pressure Equipment Directive (PED) 2014/68/EU, module H. Module H is the module for complete quality control.

The approvals comprise the types 40, 45, 46, 47, 60, 61, 62, 63, 64, 67, 68, 72, 82 and 97 in the dimensions DN40-500 as well as PN16, PN25 and PN40.

Valves up to and including DN32 are produced according to Section 4.3 of the Directive and require no CE mark.

Specific unified standards applied: Directive PED 2014/68/EU, EN 488:2015 EHP003, EN ISO 9601-1, EN ISO 14732, EN ISO 15613, EN ISO 15614, EN 12266.

Climate change is our common challenge

Energy efficiency is one of the greatest challenges of our times and for district energy BROEN delivers ready solutions to meet the globally rising demand for energy efficiency.

Based on the heritage from leading edge innovations in Danish district heating, BROEN Ballomax® offers the most comprehensive range of proven ball valves for distribution and transmission of district energy in residential, commercial and industrial applications and are today a key component in district heating and district cooling networks throughout the world.

BROEN A/S is ISO 9001:2015 and ISO 14001:2015 certified.

Our brand is our promise.

BROEN Ballomax® – our response

For more than 30 years the reliable design of BROEN Ballomax® has proven itself and it remains the best choice in district heating today.

Thus, BROEN Ballomax® is competitive when it comes to Low Cost of Ownership - the valve lasts as long as the district heating network.

BROEN offers complete solutions for district energy – valves, actuators, gears, flanges and spindle extenders.

The most recognized valve technology is not something we just claim, but something we have to live up to every single day.

To us quality is not just a key to market access – it goes far beyond that.

BROEN Ballomax® is your certainty of energy efficiency, reliability and low operating costs.

BROEN Ballomax® energy efficiency - designed to last.

Pls. see District Energy on www.broen.com or contact our technical support for further technical product information.

Steel ball valve DN10-50, PN40

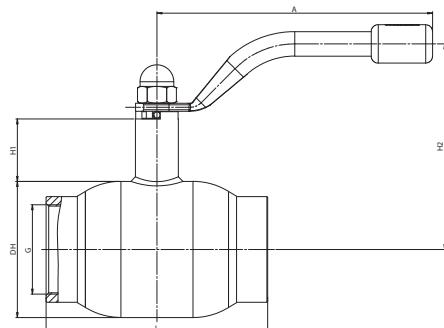
Type 60100 / 61100 / 64100

Reduced bore

Female × Female

- high and low stem

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO	
					G	DH	L	H1	H2	A		
10	61100010 010	10	7	0.6	3/8"	38	65	50	116	140	HIGH	
15	61100015 010	10	8	0.6	1/2"	38	65	50	116	140		
20	64100020 010	15	15	0.7	3/4"	42	75	47	115	140		
25	64100025 010	20	27	0.9	1"	51	90	47	120	140		
32	64100032 010	25	40	1.2	1 1/4"	57	105	48	124	140		
40	64100040 010	32	69	1.9	1 1/2"	76	120	41	129	180		
50	64100050 010	40	110	2.8	2"	89	145	41	135	180		
15	60100015 010	10	8	0.5	1/2"	38	65	10	76	140	LOW	
20	60100020 010	15	15	0.6	3/4"	42	75	17	85	140		
25	60100025 010	20	27	0.9	1"	51	98	17	89	140		

Available with T-handle upon request, without extra surcharge, see page 56

Ex. 64100020 010: with red T-handle = 64100020 024 / with blue T-handle = 64100020 023 / with yellow T-handle = 64100020 020.

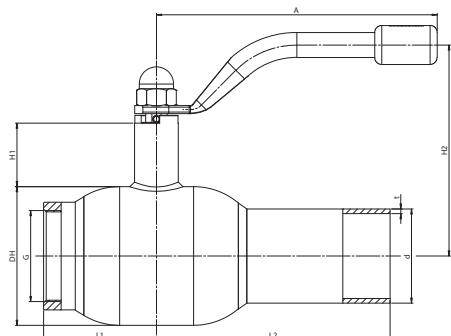
Steel ball valve DN10-50, PN40

Type 61101 / 64101

Reduced bore

Female × Welding

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					G	DH	L1	d	t	L2	H1	H2	
10	61101010 010	10	7	0.7	3/8"	38	33	17.2	1.8	105	50	116	140
15	61101015 010	10	8	0.7	1/2"	38	33	21.3	2.0	105	50	116	140
20	64101020 010	15	15	0.8	3/4"	42	38	26.9	2.3	115	47	115	140
25	64101025 010	20	27	1.0	1"	51	45	33.7	2.6	115	47	120	140
32	64101032 010	25	40	1.3	1 1/4"	57	53	42.4	2.6	130	48	124	140
40	64101040 010	32	69	2.0	1 1/2"	76	60	48.3	2.6	130	41	129	180
50	64101050 010	40	110	2.7	2"	89	73	60.3	2.9	150	41	135	180

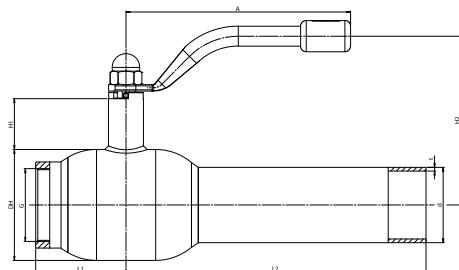
Available with T-handle upon request, without extra surcharge, see page 56.

Ex. 64101020 010: with red T-handle = 64101020 024 / with blue T-handle = 64101020 023 / with yellow T-handle = 64100020 020.

Steel ball valve DN15-20, PN40

Type 61101 / 64101
Reduced bore
Female x Welding - end extended

Product Sheet No.: 3.1



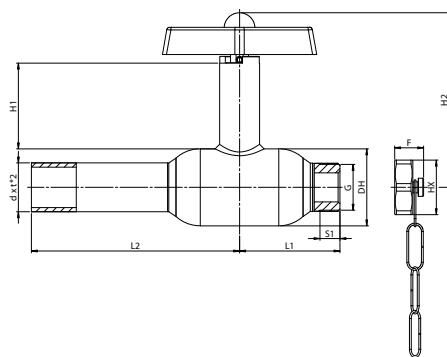
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	G	DH	L1	d	t	L2	H1	H2	A	
15	61101015S391801	10	8	0.7	½"	38	33	21.3	2.0	187	50	116	140	
20	64101020S667101	15	15	0.8	¾"	42	38	26.9	2.3	189	47	115	140	

Available with T-handle upon request, without extra surcharge, see page 56.

Steel ball valve DN15-25, PN40

Type 61105 / 64105
Reduced bore
Cap and Chain x Welding

Product Sheet No.: 3.1



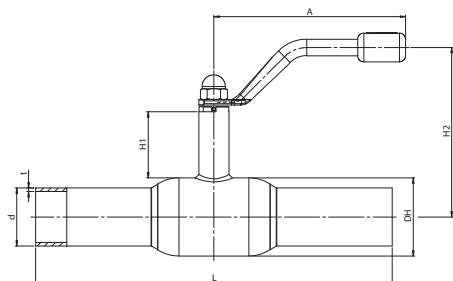
					All dimensions in mm											Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	G	S1	DH	L1	d	t	L2	H1	H2	F	HX	
15	61105015S268700	10	8	0.8	¾"	11	38	33	21.3	2.0	105	50	97.0	16	30	
20	64105020S284900	15	15	0.9	¾"	11	42	55	26.9	2.3	115	47	97.0	16	30	
25	64105025S268600	20	27	1.1	1"	14	51	65	33.7	2.6	115	47	119.6	16	36	

Drain/fill valve.

**Steel ball valve
DN10-50, PN40**

Type 61102 / 64102
Reduced bore
Welding × Welding

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					DH	d	t	L	H1	H2	A	
10	61102010 010	10	7	0.8	38	17.2	1.8	210	50	116	140	
15	61102015 010	10	8	0.8	38	21.3	2.0	210	50	116	140	
20	64102020 010	15	15	0.9	42	26.9	2.3	230	47	115	140	
25	64102025 010	20	27	1.1	51	33.7	2.6	230	47	120	140	
32	64102032 010	25	40	1.4	57	42.4	2.6	260	48	124	140	
40	64102040 010	32	69	2.1	76	48.3	2.6	260	41	129	180	
50	64102050 010	40	110	2.7	89	60.3	2.9	300	41	135	180	

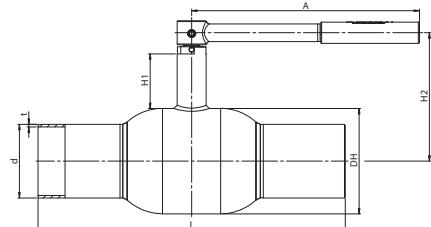
Available with T-handle upon request, without extra surcharge, see page 56.

Ex. 64100020 010: with red T-handle = 64100020 024 / with blue T-handle = 64100020 023 / with yellow T-handle = 64100020 020.

**Steel ball valve
DN65-150, PN25**

Type 64102 / 64902
Reduced bore
Welding × Welding

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					DH	d	t	L	H1	H2	A	
65	64102065 010	50	180	5.0	108	76.1	2.9	360	66	144	275	
80	64102080 010	65	288	6.5	127	88.9	3.2	370	66	154	275	
100	64102100 010	85	470	9.8	152	114.3	3.6	390	81	193	365	
125	64102125 010	100	699	12.4	178	139.7	3.6	390	91	211	365	
150	64102150 010	125	1046	21.1	219	168.3	4.0	390	101	249	650	

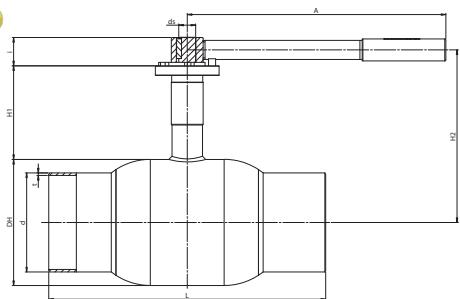
Flowoptimized - with in- and outlet sleeves for improved kv value.

DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					DH	d	t	L	H1	H2	A	
65	64902065 010	50	180	5.0	108	76.1	2.9	360	66	144	275	
80	64902080 010	65	288	6.5	127	88.9	3.2	370	66	154	275	
100	64902100 010	85	470	9.8	152	114.3	3.6	390	81	193	365	

Steel ball valve
DN125-200, PN25

Type 61102
Reduced bore
Welding x Welding
with ISO-flange

Product Sheet No.: 3.1



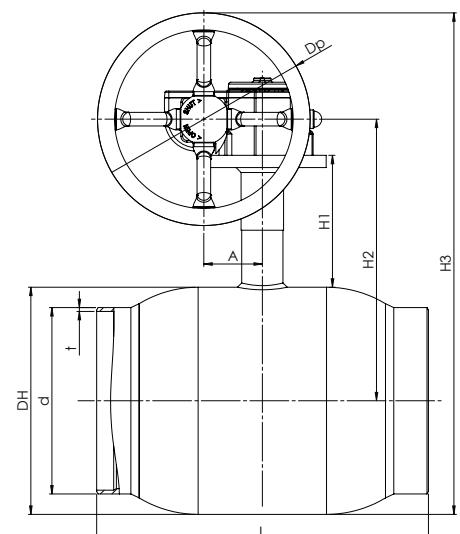
					All dimensions in mm										Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	ds	i	A	ISO	
125	61102125 010	100	699	14.3	178	139.7	3.6	390	132	221	24	40	365	F07	
150	61102150 010	125	1046	26.0	219	168.3	4.0	390	135	245	30	50	650	F10	
200	61102200 010	150	1500	43.4	267	219.1	4.5	390	155	289	30	60	900	F12	

We recommend to add a BROEN gear, see page 60.

Steel ball valve
DN100-200, PN25

Type 61102
Reduced bore
Welding x Welding
with ISO-flange
and BROEN-Gear

Product Sheet No.: 3.1



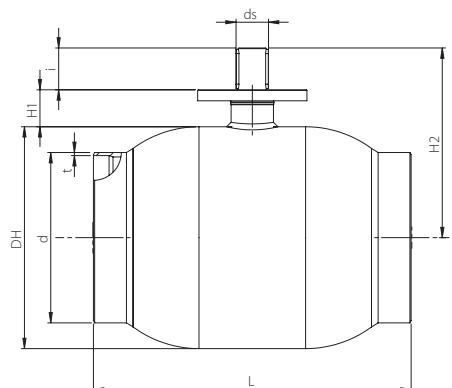
					All dimensions in mm										Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	H3	Dp	A		
100	6110225100 480	78	417	11.9	152	114.3	3.6	390	212	233	333	200	41		
125	6110225125 480	100	699	18.8	178	139.7	3.6	390	132	255	424	160	53		
150	6110225150 480	125	1046	34.8	219	168.3	4.0	390	135	287	522	250	69		
200	6110225200 480	150	1500	52.3	267	219.1	4.5	390	155	331	590	250	69		

Valve with gear is tested and prepared for use.

**Steel ball valve - LOW stem
DN250-500, PN25**

Type 85002**Reduced bore****Welding x Welding**

Product Sheet No.: 3.1



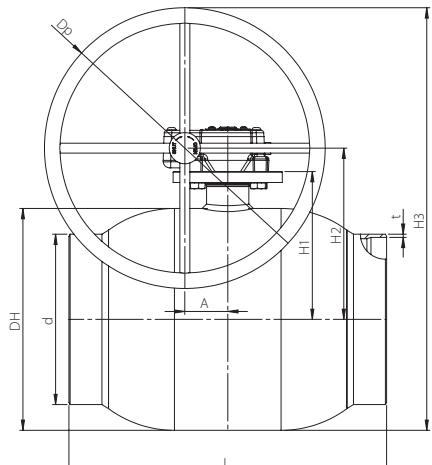
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	ds	i	ISO	
250	8500225250 000	200	3200	66	356	273.0	5.0	509	59	304	45	67	F14	
300	8500225300 000	250	4700	107	457	323.9	5.6	586	70	382	50	84	F16	
350	8500225350 000	250	5500	125	457	355.6	5.6	662	70	382	50	84	F16	
400	8500225400 000*	305	10600	187	508	406.4	6.3	734	83	437	60	100	F16	
500	8500225500 000*	380	18150	368	660	508.0	6.3	889	105	547	80	112	F30	

We recommend to add a BROEN gear, see page 60. * DN400-500 - with ball flow guide.

**Steel ball valve - LOW stem
DN250-500, PN25**

Type 85002**Reduced bore****Welding x Welding
with BROEN-Gear**

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	H3	Dp	A	
250	8500225250 480	200	3200	68.5	356	273.0	5.0	509	59	275	500.0	450	68.8	
300	8500225300 480	250	4700	111.9	457	323.9	5.6	586	70	346	596.0	500	104.5	
350	8500225350 480	250	5500	130.6	457	355.6	5.6	662	70	346	596.0	500	104.5	
400	8500225400 480*	305	10600	197.2	508	406.4	6.3	736	83	392	566.5	350	130.0	
500	8500225500 480*	400	18150	435.9	660	508.0	6.3	889	105	494	719.0	450	182.0	

Valve with gear is tested and prepared for use. * DN400-500 - with ball flow guide.

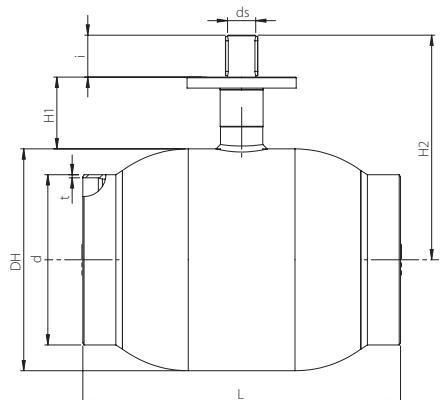
**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85012

Reduced bore

Welding × Welding

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	ds	i	ISO	
250	8501225250 000	200	3200	68.0	356	273.0	5.0	509	115	349.8	45	67	F14	
300	8501225300 000	250	4700	108.9	457	323.9	5.6	586	130	443.0	50	84	F16	
350	8501225350 000	250	5500	127.8	457	355.6	5.6	662	130	443.0	50	84	F16	
400	8501225400 000*	305	10600	192.2	508	406.4	6.3	734	155	506.5	60	100	F16	
500	8501225500 000*	400	18150	374.0	660	508.0	6.3	889	180	622.0	80	112	F30	

We recommend to add a BROEN gear, see page 60. * DN400-500 - with ball flow guide.

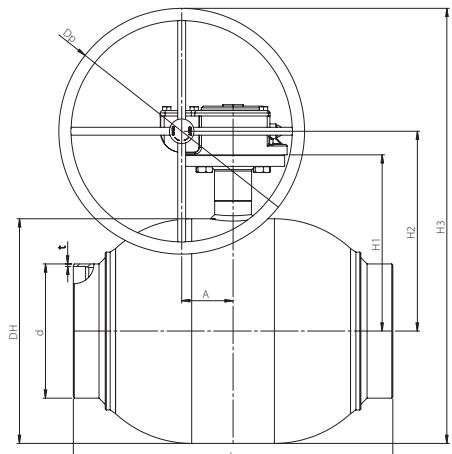
**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85012

Reduced bore

**Welding × Welding
with BROEN-Gear**

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	H3	Dp	A	
250	8501225250 480	200	3200	70.1	356	273.0	5.0	509	115	330	555	450	68.8	
300	8501225300 480	250	4700	114.0	457	323.9	5.6	586	130	407	657	500	104.5	
350	8501225350 480	250	5500	132.7	457	355.6	5.6	662	130	407	657	500	104.5	
400	8501225400 480*	305	10600	200.6	508	406.4	6.3	736	155	464	639	350	130.0	
500	8501225500 480*	400	18150	442.2	660	508.0	6.3	889	180	569	794	450	182.0	

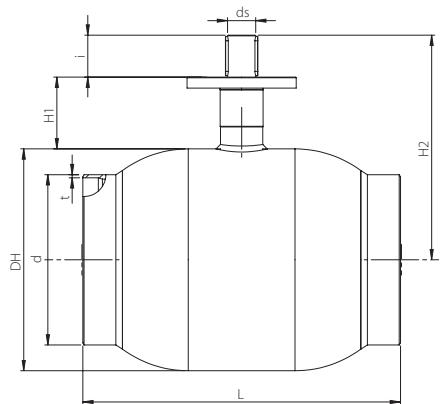
Valve with gear is tested and prepared for use. * DN400-500 - with ball flow guide.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85112
Reduced bore
Welding × Welding

FLOWOPTIMIZED

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	ds	i	ISO	
250	8511225250 000	200	5300	69.8	356	273.0	5.0	509	115	349.8	45	67	F14	
300	8511225300 000	250	8200	111.7	457	323.9	5.6	586	130	443.0	50	84	F16	
350	8511225350 000	250	8900	130.6	457	355.6	5.6	662	130	443.0	50	84	F16	
400	8511225400 000	305	13700	194.0	508	406.4	6.3	734	155	506.5	60	100	F16	
500	8511225500 000	400	20300	376.4	660	508.0	6.3	889	180	622.0	80	112	F30	

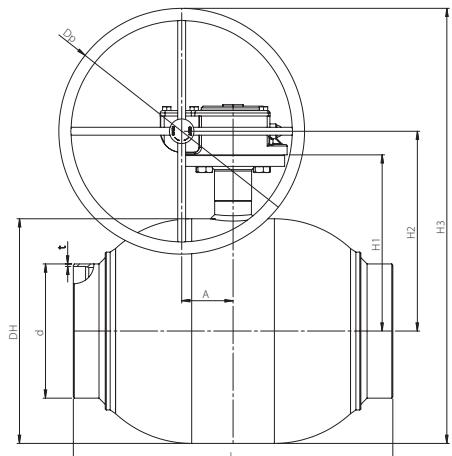
Flowoptimized - with in- and outlet sleeves for improved kv value. We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85112
Reduced bore
Welding × Welding
with BROEN-Gear

FLOWOPTIMIZED

Product Sheet No.: 3.1



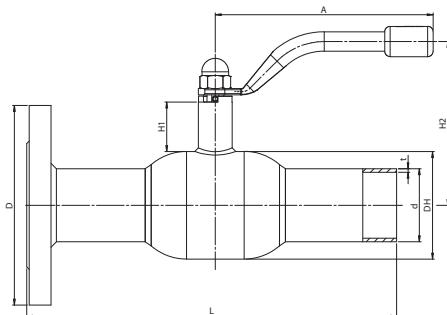
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	d	t	L	H1	H2	H3	Dp	A
250	8511225250 480	200	5300	72.7	356	273.0	5.0	509	115	330	555	450	68.8
300	8511225300 480	250	8200	116.6	457	323.9	5.6	586	130	407	657	500	104.5
350	8511225350 480	250	8900	135.3	457	355.6	5.6	662	130	407	657	500	104.5
400	8511225400 480	305	13700	203.2	508	406.4	6.3	736	155	464	639	350	130.0
500	8511225500 480	400	20300	444.8	660	508.0	6.3	889	180	569	794	450	182.0

Flowoptimized - with in- and outlet sleeves for improved kv value. Valve with gear is tested and prepared for use.

**Steel ball valve
DN20-50, PN40**

Type 64104
Reduced bore
Flange x Welding

Product Sheet No.: 3.1

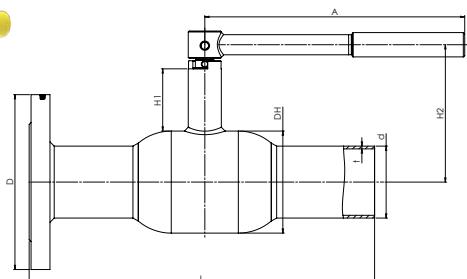


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	d	t	L	H1	H2	A	
20	64104020S356700	15	15	1.8	42.0	105	26.9	2.3	235.0	47	116.0	140	
25	64104025S271000	20	27	2.4	51.0	115	33.7	2.6	235.0	47	119.5	140	
32	64104032S271100	25	40	3.3	57.0	140	42.4	2.6	265.0	48	124.0	140	
40	64104040S271200	32	69	4.4	76.1	150	48.3	2.6	265.0	41	129.0	180	
50	64104050S271300	40	110	5.5	88.9	165	60.3	2.9	306.0	41	135.0	180	

**Steel ball valve
DN65-100, PN25**

Type 64104
Reduced bore
Flange x Welding

Product Sheet No.: 3.1

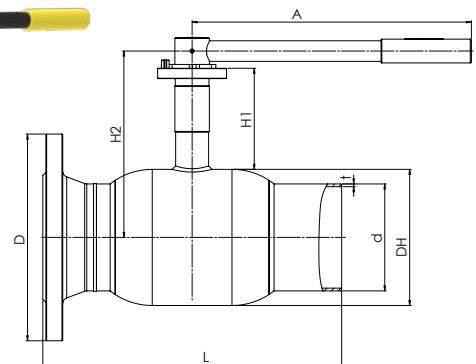


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	d	t	L	H1	H2	A	
65	64104065S271400	50	180	8.7	108.0	185	76.1	2.9	366.0	65.8	145.0	275	
80	64104080S233100	65	288	11.3	127.0	200	88.9	3.2	377.5	66.0	153.0	275	
100	64104100S271500	80	470	16.3	152.4	235	114.3	3.6	397.5	80.9	192.0	365	

Steel ball valve DN125-150, PN25

Type 61104
Reduced bore
Flange x Welding
with ISO-flange

Product Sheet No.: 3.1

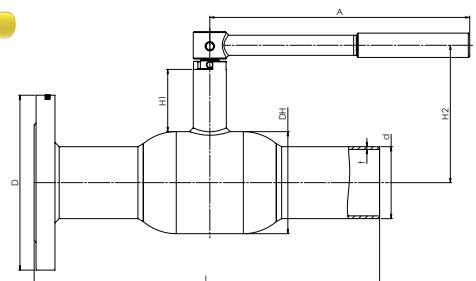


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	d	t	L	H1	H2	A	ISO	
125	61104125S188000	100	699	21.1	178	270	139.7	3.6	390	132	243	365	F07	
150	61104150S188100	125	1046	31.2	219	300	168.3	4.0	390	135	276	650	F10	

Steel ball valve DN65-100, PN16

Type 64104
Reduced bore
Flange x Welding

Product Sheet No.: 3.1

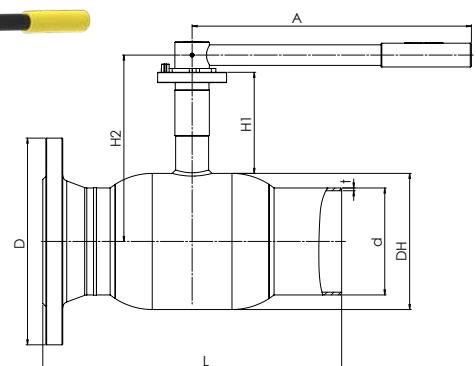


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	d	t	L	H1	H2	A	ISO	
65	64104065S342500	50	180	8.7	108.0	185	76.1	2.9	360.0	65.8	145.0	275		
80	64104080S226500	65	288	11.3	127.0	200	88.9	3.2	377.5	66.0	153.0	275		
100	64104100S226600	80	470	16.3	152.4	220	114.3	3.6	397.5	80.9	192.0	365		

Steel ball valve DN125-150, PN16

Type 61104
Reduced bore
Flange x Welding
with ISO-flange

Product Sheet No.: 3.1

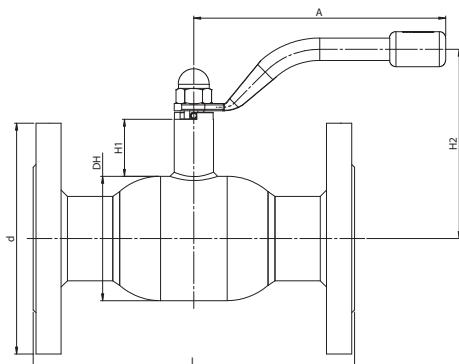


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	d	t	L	H1	H2	A	ISO	
125	61104125S226700	100	699	29.3	178	250	139.7	3.6	397.5	132	243	365	F07	
150	61104150S208600	125	1046	32.5	219	285	168.3	4.0	338.0	135	276	650	F10	

Steel ball valve DN15-50, PN40

Type 61103 / 64103
Reduced bore
Flange x Flange

Product Sheet No.: 3.1

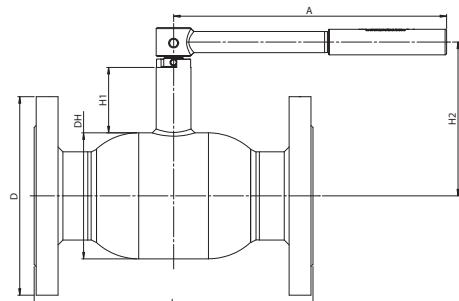


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					DH	d	L	H1	H2	A	
15	61103015 010	10	8	1.5	38	95	130	50	116	140	
20	64103020 010	15	15	2.9	42	105	150	47	85	140	
25	64103025 010	20	27	3.5	51	115	160	47	89	140	
32	64103032 010	25	40	4.8	57	140	180	48	93	140	
40	64103040 010	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 DN65-150, PN25

Type 64103
Reduced bore
Flange x Flange

Product Sheet No.: 3.1

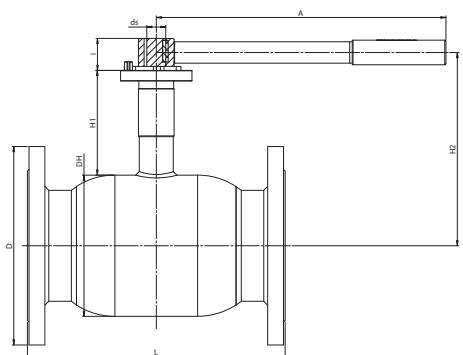


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					DH	D	L	H1	H2	A	
65	6410325065 010	50	180	9.9	108	185	290	66	144	275	
80	6410325080 010	65	288	13.2	127	200	280	66	154	275	
100	6410325100 010	85	470	18.3	152	235	300	81	193	365	
125	6410325125 010	100	699	27.1	178	270	325	91	211	365	
150	6410325150 010	125	1046	36.2	219	300	350	101	249	650	

Steel ball valve
DN125-200, PN25

Type 61103
Reduced bore
Flange x Flange
with ISO-flange

Product Sheet No.: 3.1



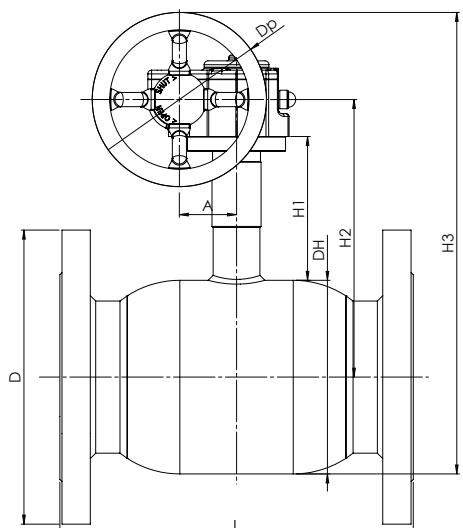
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	ds	i	A	ISO	
125	6110325125 010	100	699	25.1	178	270	325	132	221	24	40	365	F07	
150	6110325150 010	125	1046	38.2	219	300	350	135	245	30	50	650	F10	
200	6110325200 010	150	1500	61.7	267	360	400	155	289	30	60	900	F12	

We recommend to add a BROEN gear, see page 60.

Steel ball valve
DN100-200, PN25

Type 61103
Reduced bore
Flange x Flange
with ISO-flange
and BROEN-Gear

Product Sheet No.: 3.1



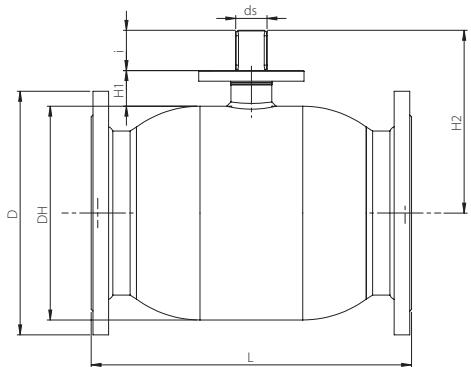
					All dimensions in mm								Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	H3	Dp	A	
100	6110325100 480	78	417	22.5	152	235	300	212	233	333	200	41	
125	6110325125 480	100	699	32.4	178	270	325	132	255	424	160	53	
150	6110325150 480	125	1046	47.1	219	300	350	135	287	522	250	69	
200	6110325200 480	150	1500	71.3	267	360	400	155	331	590	250	69	

Valve with gear is tested and prepared for use.

**Steel ball valve - LOW stem
DN250-500, PN25**

Type 85004
Reduced bore
Flange x Flange

Product Sheet No.: 3.1



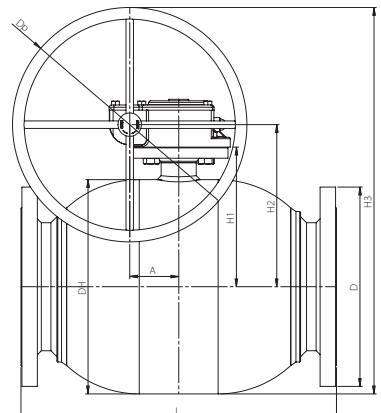
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm										Price EURO
					DH	D	t	L	H1	H2	ds	i	ISO		
250	8500425250 000	200	3200	92.8	356	405	-	533	60.2	304	45	67	F14		
300	8500425300 000	250	4700	141.8	457	460	-	610	69.2	382	50	84	F16		
350	8500425350 000	250	5500	178.7	457	520	-	686	69.2	382	50	84	F16		
400	8500425400 000*	305	10600	297.8	508	620	-	762	82.5	437	60	100	F16		
500	8500425500 000*	400	18150	535.0	660	730	-	914	105.0	547	80	112	F30		

We recommend to add a BROEN gear, see page 60. * DN400-500 - with ball flow guide.

**Steel ball valve - LOW stem
DN250-500, PN25**

Type 85004
Reduced bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 3.1



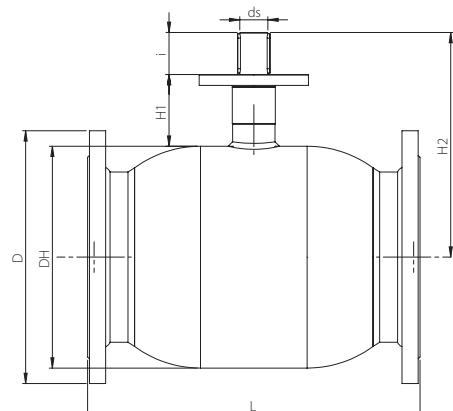
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	t	L	H1	H2	H3	Dp	
250	8500425250 480	200	3200	107.2	356	405	-	533	60.2	275	500.0	450	68.8
300	8500425300 480	250	4700	147.0	457	460	-	610	69.2	346	596.0	500	104.5
350	8500425350 480	250	5500	183.7	457	520	-	686	69.2	346	596.0	500	104.5
400	8500425400 480*	305	10600	306.1	508	620	-	762	82.5	392	566.5	350	130.0
500	8500425500 480*	400	18150	603.1	660	730	-	914	105.0	494	719.0	450	182.0

Valve with gear is tested and prepared for use. * DN400-500 - with ball flow guide.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85014
Reduced bore
Flange x Flange

Product Sheet No.: 3.1



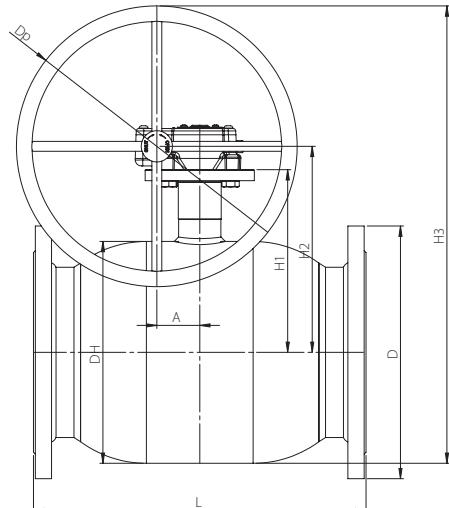
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	ds	i	ISO	
250	8501425250 000	200	3200	94.4	356	405	-	533	115	360.0	45	67	F14	
300	8501425300 000	250	4700	143.9	457	460	-	610	130	443.0	50	84	F16	
350	8501425350 000	250	5500	180.8	457	520	-	686	130	443.0	50	84	F16	
400	8501425400 000*	305	10600	301.1	508	620	-	762	155	506.5	60	100	F16	
500	8501425500 000*	400	18150	541.2	660	730	-	914	180	622.5	80	112	F30	

We recommend to add a BROEN gear, see page 60. * DN400-500 - with ball flow guide.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85014
Reduced bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	H3	Dp	A	
250	8501425250 480	200	3200	96.5	356	405	-	533	115	330	555	450	68.8	
300	8501425300 480	250	4700	149.1	457	460	-	610	130	407	657	500	104.5	
350	8501425350 480	250	5500	185.8	457	520	-	686	130	407	657	500	104.5	
400	8501425400 480*	305	10600	309.6	508	620	-	762	155	464	639	350	130.0	
500	8501425500 480*	400	18150	609.4	660	730	-	914	180	569	794	450	182.0	

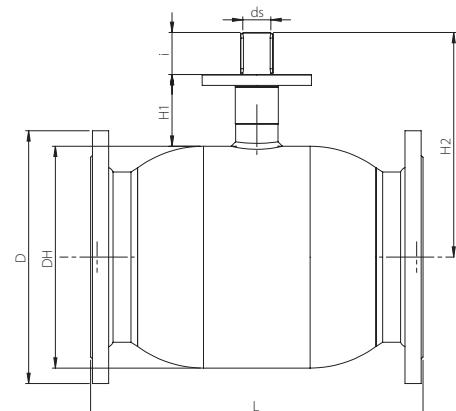
Valve with gear is tested and prepared for use. * DN400-500 - with ball flow guide.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85114
Reduced bore
Flange x Flange

FLOWOPTIMIZED

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	ds	i	ISO	
250	8511425250 000	200	5300	96.2	356	405	-	533	115	360.0	45	67	F14	
300	8511425300 000	250	8200	146.7	457	460	-	610	130	443.0	50	84	F16	
350	8511425350 000	250	8900	183.6	457	520	-	686	130	443.0	50	84	F16	
400	8511425400 000	305	13700	302.9	508	620	-	762	155	506.5	60	100	F16	
500	8511425500 000	400	20300	543.6	660	730	-	914	180	622.5	80	112	F30	

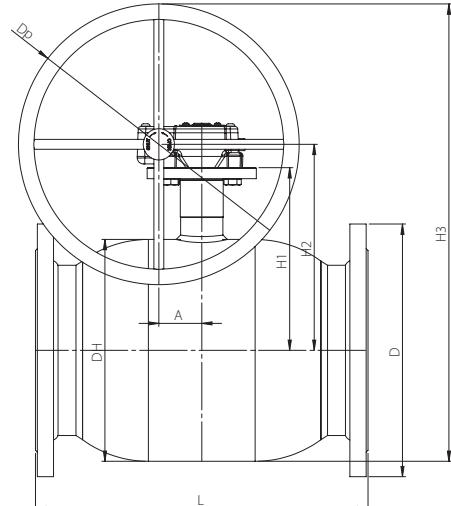
Flowoptimized - with in- and outlet sleeves for improved kv value. We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN250-500, PN25**

Type 85114
Reduced bore
Flange x Flange
with BROEN-Gear

FLOWOPTIMIZED

Product Sheet No.: 3.1

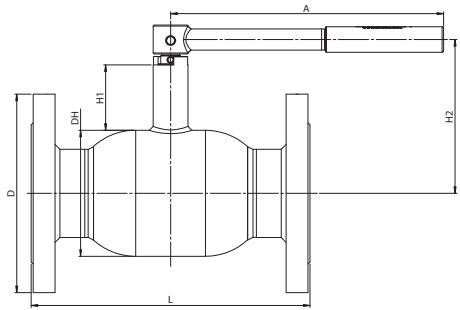


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	H3	Dp	A	
250	8511425250 480	200	5300	99.1	356	405	-	533	115	330	555	450	68.8	
300	8511425300 480	250	8200	151.7	457	460	-	610	130	407	657	500	104.5	
350	8511425350 480	250	8900	188.4	457	460	-	686	130	407	657	500	104.5	
400	8511425400 480	305	13700	312.2	508	620	-	762	155	464	639	350	130.0	
500	8511425500 480	400	20300	612.0	660	730	-	914	180	569	794	450	182.0	

Flowoptimized - with in- and outlet sleeves for improved kv value. Valve with gear is tested and prepared for use.

**Steel ball valve
DN65-150, PN16****Type 64103**
Reduced bore
Flange x Flange

Product Sheet No.: 3.1

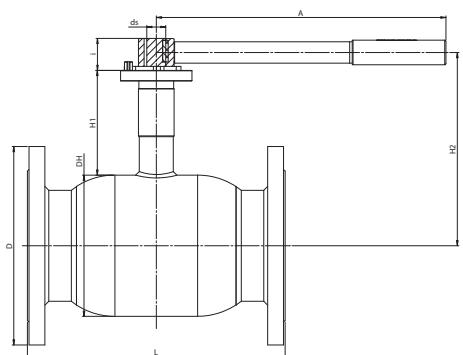


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					DH	D	L	H1	H2	A	
65	64103065 010	50	180	9.9	108.0	185	270	66	144	275	
80	64103080 010	65	288	13.2	127.0	200	280	66	154	275	
100	64103100 010	85	470	18.3	152.0	220	300	81	193	365	
125	64103125 010	100	699	24.3	177.8	250	325	91	212	365	
150	64103150 010	125	1046	32.2	219.1	285	350	90	250	650	

Steel ball valve DN125-200, PN16

Type 61103
Reduced bore
Flange x Flange
with ISO-flange

Product Sheet No.: 3.1



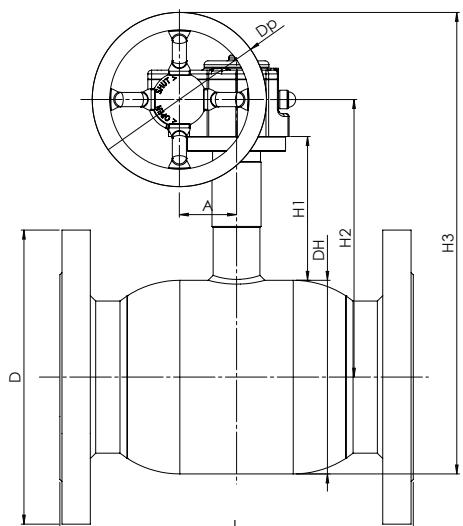
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	ds	i	A	ISO	
125	61103125 010	100	699	25.1	178	250	325	132	221	24	40	365	F07	
150	61103150 010	125	1046	38.2	219	285	350	135	245	30	50	650	F10	
200	61103200 010	150	1500	61.7	267	340	400	155	289	30	60	900	F12	

We recommend to add a BROEN gear, see page 60.

Steel ball valve DN100-200, PN16

Type 61103
Reduced bore
Flange x Flange
with ISO-flange
and BROEN-Gear

Product Sheet No.: 3.1



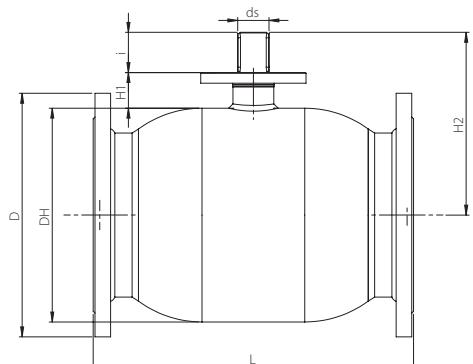
					All dimensions in mm								Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	H3	Dp	A	
100	6110316100 480	78	417	19.2	152	220	300	212	233	333	200	41	
125	6110316125 480	100	699	29.7	178	250	325	132	221	424	160	53	
150	6110316150 480	125	1046	46.8	219	285	350	135	245	522	250	69	
200	6110316200 480	150	1500	69.7	267	340	400	155	289	590	250	69	

Valve with gear is tested and prepared for use.

**Steel ball valve - LOW stem
DN250-500, PN16**

Type 85004
Reduced bore
Flange x Flange

Product Sheet No.: 3.1



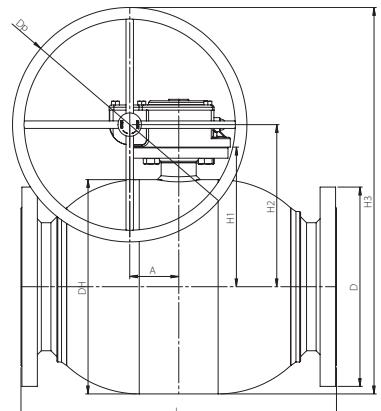
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	ds	i	ISO	
250	8500416250 000	200	3200	92.8	356	405	-	533	60.2	304	45	67	F14	
300	8500416300 000	250	4700	141.8	457	460	-	610	69.2	382	50	84	F16	
350	8500416350 000	250	5500	178.7	457	520	-	686	69.2	382	50	84	F16	
400	8500416400 000	305	10600	297.8	508	620	-	762	82.5	437	60	100	F16	
500	8500416500 000	400	18150	535.0	660	730	-	914	105.0	547	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - LOW stem
DN250-500, PN16**

Type 85004
Reduced bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 3.1



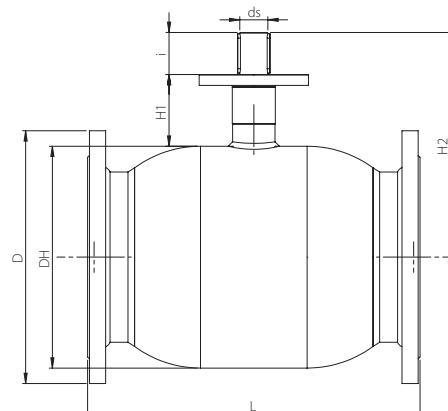
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	H3	Dp	A	
250	8500416250 480	200	3200	94.9	356	405	-	533	60.2	275	500.0	450	68.8	
300	8500416300 480	250	4700	147.0	457	460	-	610	69.2	346	596.0	500	104.5	
350	8500416350 480	250	5500	183.7	457	520	-	686	69.2	346	596.0	500	104.5	
400	8500416400 480	305	10600	302,8	508	620	-	762	82.5	392	566.5	350	130.0	
500	8500416500 480	400	18150	597,5	660	730	-	914	105.0	494	719.0	450	182.0	

Valve with gear is tested and prepared for use.

**Steel ball valve - HIGH stem
DN250-500, PN16**

Type 85014
Reduced bore
Flange x Flange

Product Sheet No.: 3.1



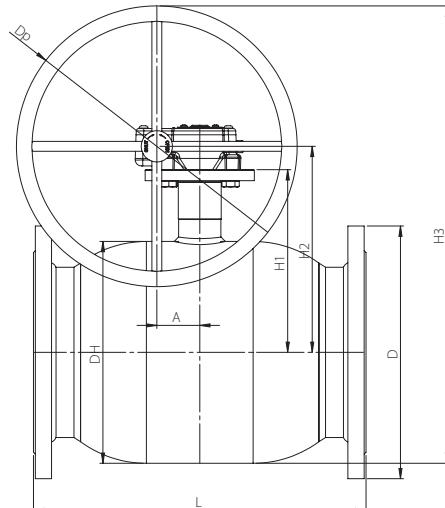
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	ds	i	ISO	
250	8501416250 000	200	3200	94.4	356	405	-	533	115	360.0	45	67	F14	
300	8501416300 000	250	4700	143.9	457	460	-	610	130	443.0	50	84	F16	
350	8501416350 000	250	5500	180.8	457	520	-	686	130	443.0	50	84	F16	
400	8501416400 000	305	10600	301.1	508	620	-	762	155	506.5	60	100	F16	
500	8501416500 000	400	18150	541.2	660	730	-	914	180	622.5	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN250-500, PN16**

Type 85014
Reduced bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	H3	Dp	A	
250	8501416250 480	200	3200	96.5	356	405	-	533	115	330	555	450	68.8	
300	8501416300 480	250	4700	149.1	457	460	-	610	130	407	657	500	104.5	
350	8501416350 480	250	5500	185.8	457	520	-	686	130	407	657	500	104.5	
400	8501416400 480	305	10600	309.6	508	620	-	762	155	464	639	350	130.0	
500	8501416500 480	400	18150	609.4	660	730	-	914	180	569	794	450	182.0	

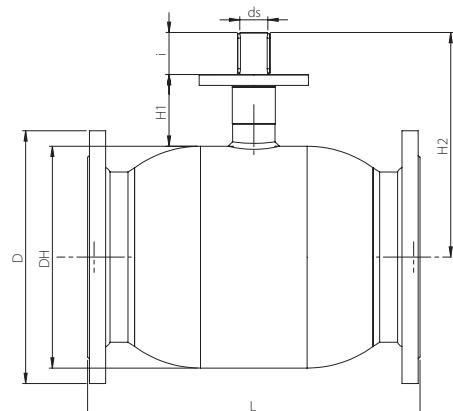
Valve with gear is tested and prepared for use.

**Steel ball valve - HIGH stem
DN250-500, PN16**

Type 85114
Reduced bore
Flange x Flange

FLOWOPTIMIZED

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	ds	i	ISO	
250	8511416250 000	200	5300	96.2	356	405	-	533	115	360.0	45	67	F14	
300	8511416300 000	250	8200	146.7	457	460	-	610	130	443.0	50	84	F16	
350	8511416350 000	250	8900	183.6	457	520	-	686	130	443.0	50	84	F16	
400	8511416400 000	305	13700	302.9	508	620	-	762	155	506.5	60	100	F16	
500	8511416500 000	400	20300	543.6	660	730	-	914	180	622.5	80	112	F30	

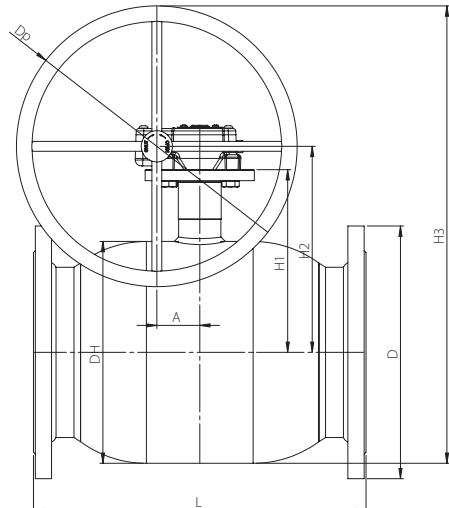
Flowoptimized - with in- and outlet sleeves for improved kv value. We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN250-500, PN16**

Type 85114
Reduced bore
Flange x Flange
with BROEN-Gear

FLOWOPTIMIZED

Product Sheet No.: 3.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	t	L	H1	H2	H3	Dp	A	
250	8511416250 480	200	5300	99.1	356	405	-	533	115	330	555	450	68.8	
300	8511416300 480	250	8200	151.7	457	460	-	610	130	407	657	500	104.5	
350	8511416350 480	250	8900	188.4	457	460	-	686	130	407	657	500	104.5	
400	8511416400 480	305	13700	312.2	508	620	-	762	155	464	639	350	130.0	
500	8511416500 480	400	20300	612.0	660	730	-	914	180	569	794	450	182.0	

Flowoptimized - with in- and outlet sleeves for improved kv value. Valve with gear is tested and prepared for use.

Steel ball valve DN10-50, PN25

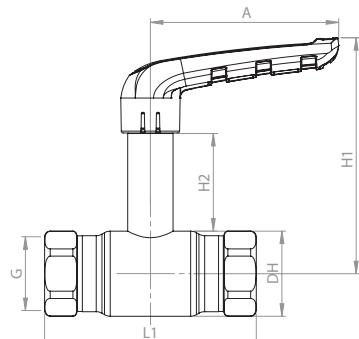
Type BBM 12031

Full bore

Female × Female

- high and low stem

Product Sheet No.: 4.1



					All dimensions in mm						Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	G	DH	L1	H1	H2	A	
HIGH	10	1010002031-2101	10	13	0.30	¾"	Ø26.0	74	106	55	75
	15	1015002031-2101	15	26	0.35	½"	Ø30.0	94	108	55	75
	20	1020002031-2101	20	49	0.47	¾"	Ø38.0	104	111	54	75
	25	1025002031-2101	25	75	0.80	1"	Ø45.0	112	125	52	100
	32	1032002031-2101	32	110	1.21	1¼"	Ø56.5	134	131	52	100
	40	1040002031-2101	40	214	1.83	1½"	Ø68.0	156	156	63	120
	50	1050002031-2101	50	308	3.09	2"	Ø85.0	192	165	63	120
Available with T-handle upon request, without extra surcharge, see page 56. Ex. 1015002030-2101: with T-handle = 1015002030-2401.											
LOW	15	1015002030-2101	15	26	0.35	½"	Ø30.0	94	66	11	75
	20	1020002030-2101	20	49	0.47	¾"	Ø38.0	104	68	11	75
	25	1025002030-2101	25	75	0.80	1"	Ø45.0	112	87	14	100

Steel ball valve DN10-50, PN25

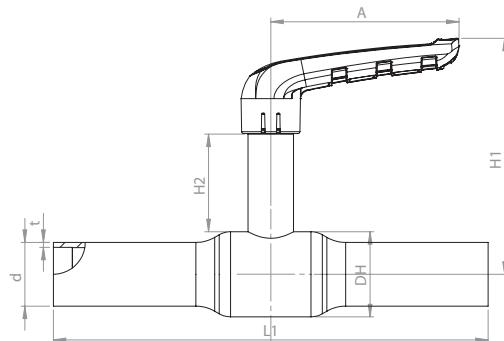
Type BBM 13001

Full bore

Welding × Welding

- high and low stem

Product Sheet No.: 4.1

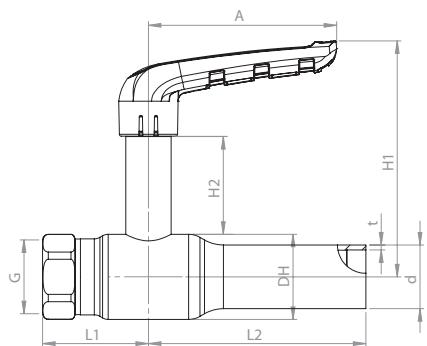


					All dimensions in mm						Price EURO	
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L1	H1	H2	A	
HIGH	10	1010003001-2101	10	13	0.20	Ø26.0	17.2	1.8	210	106	55	75
	15	1015003001-2101	15	26	0.22	Ø30.0	21.3	2.0	210	108	55	75
	20	1020003001-2101	20	49	0.58	Ø38.0	26.9	2.3	230	111	54	75
	25	1025003001-2101	25	75	0.91	Ø45.0	33.7	2.6	230	125	52	100
	32	1032003001-2101	32	110	1.30	Ø56.5	42.4	2.6	260	131	52	100
	40	1040003001-2101	40	214	1.96	Ø68.0	48.3	2.6	260	156	63	120
	50	1050003001-2101	50	308	3.00	Ø85.0	60.3	2.9	290	165	63	120
Available with T-handle upon request, without extra surcharge, see page 56. Ex. 1015003000-2101: with T-handle = 1015003000-2401.												
LOW	15	1015003000-2101	15	26	0.22	Ø30.0	21.3	2.0	210	66	11	75
	20	1020003000-2101	20	49	0.58	Ø38.0	26.9	2.3	230	68	11	75
	25	1025003000-2101	25	75	0.91	Ø45.0	33.7	2.6	230	87	14	100

Steel ball valve
DN10-50, PN25

Type BBM 13601**Full bore****Female x Welding****- high and low stem**

Product Sheet No.: 4.1

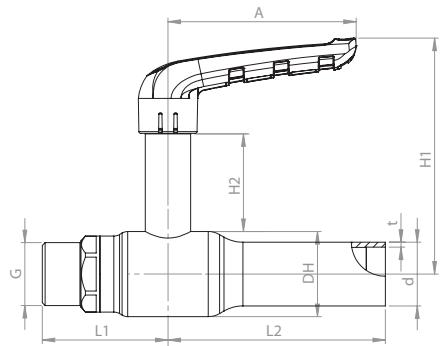


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					G	DH	d	t	L1	L2	H1	H2	A	
HIGH	10	1010003601-2101	10	0.30	3/8"	Ø26.0	17.2	1.8	37	105	106	55	75	
	15	1015003601-2101	15	0.38	1/2"	Ø30.0	21.3	2.0	40	105	108	55	75	
	20	1020003601-2101	20	0.56	3/4"	Ø38.0	26.9	2.3	52	115	111	54	75	
	25	1025003601-2101	25	0.86	1"	Ø45.0	33.7	2.6	56	115	125	52	100	
	32	1032003601-2101	32	1.27	1 1/4"	Ø56.5	42.4	2.6	67	130	131	52	100	
	40	1040003601-2101	40	1.90	1 1/2"	Ø68.0	48.3	2.6	78	134	156	63	120	
	50	1050003601-2101	50	3.09	2"	Ø85.0	60.3	2.9	96	145	165	63	120	
Available with T-handle upon request, without extra surcharge, see page 56. Ex. 1015003600-2101: with T-handle = 1015003600-2401.														
LOW	15	1015003600-2101	15	0.38	1/2"	Ø30.0	21.3	2.0	40	105	66	11	75	
	20	1020003600-2101	20	0.56	3/4"	Ø38.0	26.9	2.3	52	115	68	11	75	
	25	1025003600-2101	25	0.86	1"	Ø45.0	33.7	2.6	56	115	87	14	100	

Steel ball valve
DN10-50, PN25

Type BBM 13701**Full bore****Cap x Welding**

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					G	DH	d	t	L1	L2	H1	H2	A	
10	1010003701-2101	10	13	0.30	3/8"	Ø26.0	17.2	1.8	37	105	106	55	75	
15	1015003701-2101	15	26	0.38	1/2"	Ø30.0	21.3	2.0	40	105	108	55	75	
20	1020003701-2101	20	49	0.52	3/4"	Ø38.0	26.9	2.3	52	115	111	54	75	
25	1025003701-2101	25	75	0.87	1"	Ø45.0	33.7	2.6	56	115	125	52	100	
32	1032003701-2101	32	110	1.30	1 1/4"	Ø56.5	42.4	2.6	67	130	131	52	100	
40	1040003701-2101	40	214	1.93	1 1/2"	Ø68.0	48.3	2.6	78	134	156	63	120	
50	1050003701-2101	50	308	3.18	2"	Ø85.0	60.3	2.9	96	145	165	63	120	

Available with T-handle upon request, without extra surcharge, see page 56. Ex. 1015003701-2101: with T-handle = 1015003701-2401.

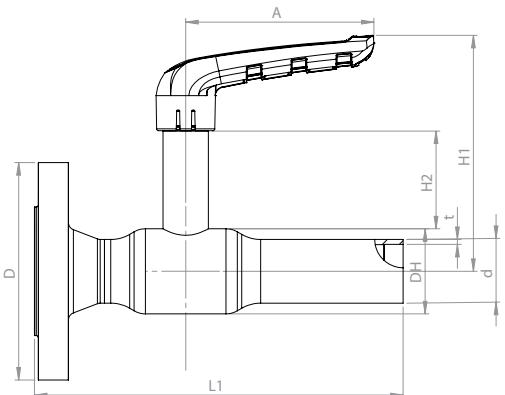
Steel ball valve DN10-50, PN25

Type BBM 14001

Full bore

Flange x Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					D	DH	d	t	L	H1	H2	
10	1010004001-2101	10	13	0.95	90	Ø26.0	17.2	1.8	170	106	55	75
15	1015004001-2101	15	26	1.07	95	Ø30.0	21.3	2.0	170	108	55	75
20	1020004001-2101	20	49	1.49	105	Ø38.0	26.9	2.3	190	111	54	75
25	1025004001-2101	25	75	2.04	115	Ø45.0	33.7	2.6	195	125	52	100
32	1032004001-2101	32	110	2.85	140	Ø56.5	42.4	2.6	220	131	52	100
40	1040004001-2101	40	214	3.64	150	Ø68.0	48.3	2.6	230	156	63	120
50	1050004001-2101	50	308	5.42	165	Ø85.0	60.3	2.9	260	165	63	120

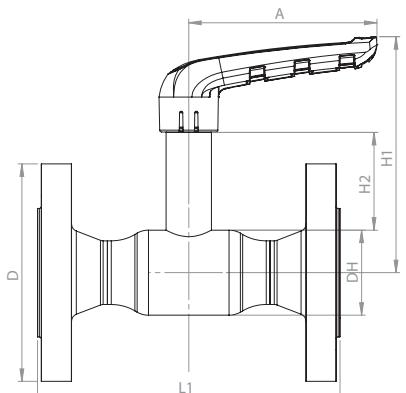
Steel ball valve DN10-50, PN25

Type BBM 15001

Full bore

Flange x Flange

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					D	DH	t	L1	H1	H2	A	
10	1010005001-2101	10	13	1.55	90	Ø26.0	1.8	130	106	55	75	
15	1015005001-2101	15	26	1.72	95	Ø30.0	2.0	130	108	55	75	
20	1020005001-2101	20	49	2.40	105	Ø38.0	2.3	150	111	54	75	
25	1025005001-2101	25	75	3.16	115	Ø45.0	2.6	160	125	52	100	
32	1032005001-2101	32	110	4.40	140	Ø56.5	2.6	180	131	52	100	
40	1040005001-2101	40	214	5.43	150	Ø68.0	2.6	200	156	63	120	
50	1050005001-2101	50	308	7.82	165	Ø85.0	2.9	220	165	63	120	

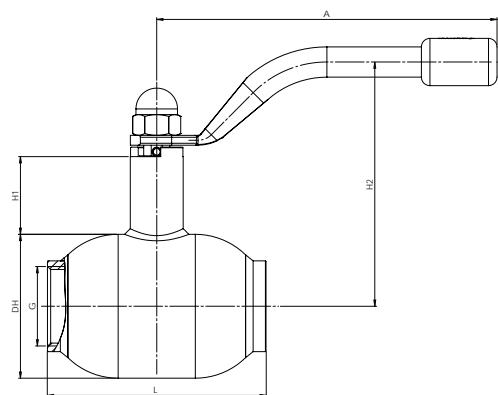
Steel ball valve DN15-50, PN40

Type 94100

Full bore

Female x Female

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					G	DH	L	H1	H2	A	
15	9410040015 010	15	32	0.8	½"	42	85	47	115	140	
20	9410040020 010	20	57	1.1	¾"	51	95	47	120	140	
25	9410040025 010	25	81	1.6	1"	57	100	48	124	140	
32	9410040032 010	32	133	2.4	1¼"	76	115	41	127	180	
40	9410040040 010	40	229	3.2	1½"	89	125	41	133	180	
50	9410040050 010	50	295	4.0	2"	108	155	66	145	275	

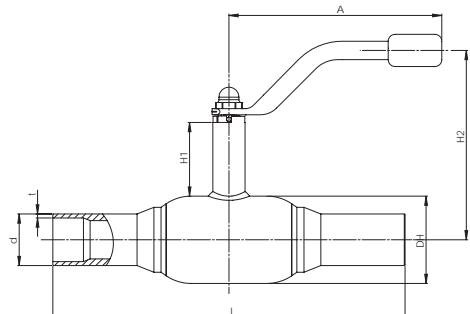
Steel ball valve DN15-50, PN40

Type 94102

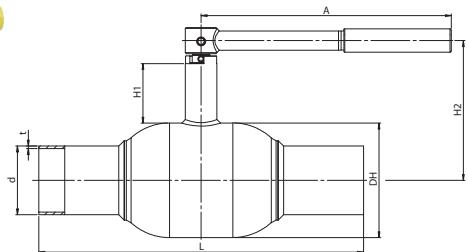
Full bore

Welding x Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					DH	d	t	L	H1	H2	
15	9410240015 010	15	32	0.8	42	21.3	2.0	210	47	115	140
20	9410240020 010	20	57	1.1	51	26.9	2.0	230	47	120	140
25	9410240025 010	25	81	1.6	57	33.7	2.6	230	48	124	140
32	9410240032 010	32	133	2.4	76	42.4	2.6	260	41	127	180
40	9410240040 010	40	229	3.2	89	48.3	2.6	260	41	133	180
50	9410240050 010	50	295	4.0	108	60.3	2.9	300	66	145	275

**Steel ball valve
DN65-125, PN25****Type 94102****Full bore****Welding × Welding**

Product Sheet No.: 4.1

DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					DH	d	t	L	H1	H2	A	
65	9410225065 010	65	498	6.70	127	76.1	2.9	360	66	155	275	
80	9410225080 010	80	754	10.51	152	88.9	3.2	370	81	192	365	
100	9410225100 010	100	1159	14.30	178	114.3	3.6	390	91	218	365	
125	9410225125 010	125	1841	25.20	219	133.7	3.6	390	90	248	650	

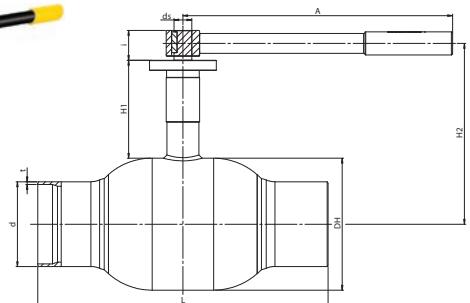
Steel ball valve DN100-150, PN25

Type 91102

Full bore

Welding × Welding
with ISO-flange

Product Sheet No.: 4.1



					All dimensions in mm										Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	ds	i	A	ISO	
100	9110225100 010	100	1159	15.1	178	114.3	3.6	390	132	240	24	40	365	F07	
125*	9110225125 010	125	1841	26.5	219	139.7	3.6	390	136	272	30	50	650	F10	
150*	9110225150 010	150	2652	31.4	267	168.3	4.0	390	156	321	30	60	900	F12	

* We recommend to add a BROEN gear, see page 60.

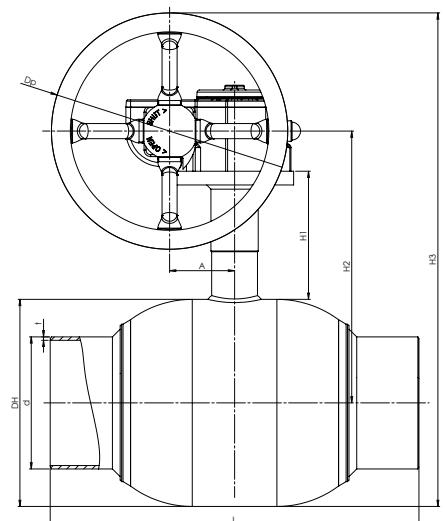
Steel ball valve DN100-150, PN25

Type 91102

Full bore

Welding × Welding
with ISO-flange
and BROEN-Gear

Product Sheet No.: 4.1



					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	H3	Dp	A	
100	9110225100 480	100	1159	23.20	178	114.3	3.6	380	132	221	424	160	52.5	
125	9110225125 480	125	1841	32.53	219	139.7	3.6	380	135	245	522	250	69.0	
150	9110225150 480	150	2652	40.38	267	168.3	4.0	390	155	289	590	250	69.0	

Valve with gear is tested and prepared for use.

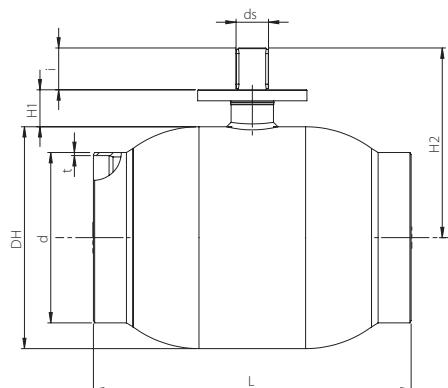
**Steel ball valve - LOW stem
DN200-400, PN25**

Type 86202 / 86002

Full bore

Welding × Welding

Product Sheet No.: 4.1



					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	ds	i	ISO	
200	8620225200 000	200	9200	82.1	356	219.1	6.3	533	60.2	304	45	67	F14	
250	8620225250 000	250	13500	135.4	457	273.0	5.6	650	69.2	382	50	84	F16	
300	8600225300 000	305	21600	249.7	508	323.9	5.6	819	82.5	437	60	100	F16	
400	8600225400 000	400	35000	463.6	660	406.4	6.3	991	105.0	547	80	112	F30	

We recommend to add a BROEN gear, see page 60.

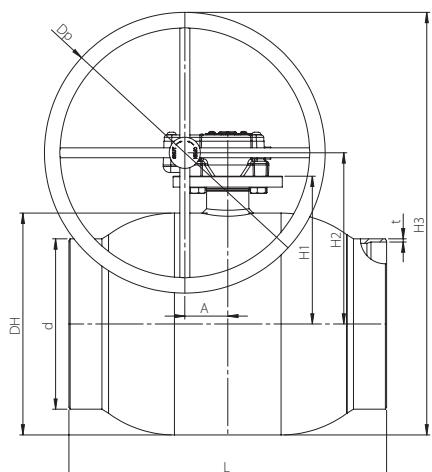
**Steel ball valve - LOW stem
DN200-400, PN25**

Type 86202 / 86002

Full bore

**Welding × Welding
with BROEN-Gear**

Product Sheet No.: 4.1



					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	d	t	L	H1	H2	H3	Dp	A	
200	8620225200 480	200	9200	84.2	356	219.1	6.3	533	60.2	275	500.0	450	68.8	
250	8620225250 480	250	13500	140.3	457	273.0	5.6	650	69.2	346	596.0	500	104.5	
300	8600225300 480	305	21600	258.1	508	323.9	5.6	819	82.5	387	566.5	350	130.0	
400	8600225400 480	400	35000	531.7	660	406.4	6.3	991	105.0	494	719.0	450	182.0	

Valve with gear is tested and prepared for use.

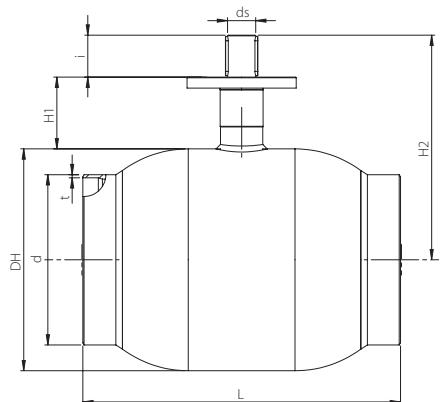
Steel ball valve - HIGH stem DN200-400, PN25

Type 86212 / 86012

Full bore

Welding × Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	ds	i	ISO	
200	8621225200 000	200	9200	82.7	356	219.1	5.0	533	115	365	45	67	F14	
250	8621225250 000	250	13500	135.8	457	273.0	5.0	650	130	442	50	84	F16	
300	8601225300 000	305	21600	253.1	508	323.9	5.6	819	155	506	60	100	F16	
400	8601225400 000	400	35000	469.9	660	406.4	6.3	991	180	622	80	112	F30	

We recommend to add a BROEN gear, see page 60.

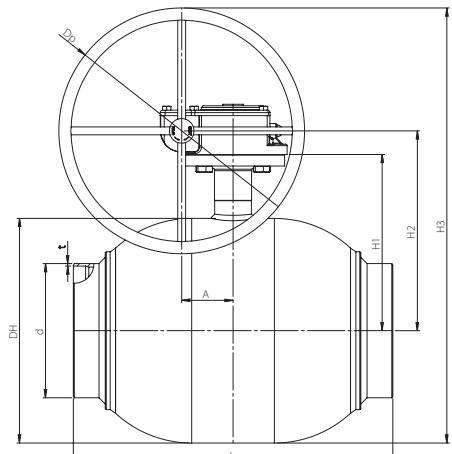
Steel ball valve - HIGH stem DN200-400, PN25

Type 86212 / 86012

Full bore

Welding × Welding
with BROEN-Gear

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	d	t	L	H1	H2	H3	Dp	A	
200	8621225200 480	200	9200	85.8	356	219.1	5.0	533	115	330	555	450	68.8	
250	8621225250 480	250	13500	142.4	457	273.0	5.0	650	130	407	657	500	104.5	
300	8601225300 480	305	21600	261.5	508	323.9	5.6	819	155	460	640	350	130.0	
400	8601225400 480	400	35000	538.0	660	406.4	6.3	991	180	569	794	450	182.0	

Valve with gear is tested and prepared for use.

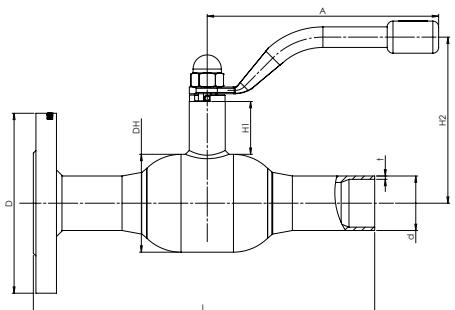
Steel ball valve DN20-50, PN40

Type 94104

Full bore

Flange x Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	d	t	L	H1	H2	A	
20	94104020S312400	20	57	2.4	51	105	26.9	2.0	235	47.2	119.5	140	
25	94104025S312500	25	81	2.4	57	115	33.7	2.6	235	48.0	124.0	140	
32	94104032S312600	32	133	4.1	76	140	42.4	2.6	265	41.0	127.0	140	
40	94104040S312700	40	229	4.9	89	150	48.3	2.6	265	41.1	133.0	180	
50	94104050S312800	50	295	6.8	108	165	60.3	2.9	306	66.0	145.0	180	

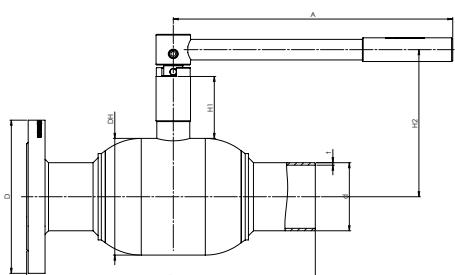
Steel ball valve DN65-100, PN25

Type 94104

Full bore

Flange x Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	d	t	L	H1	H2	A	
65	94104065S617800	65	498	9.8	127	185	76.1	2.9	366.0	66	155	275	
80	94104080S344400	80	754	15.2	152	200	88.9	3.2	377.5	81	192	365	
100	94104100S617900	100	1159	19.9	178	235	114.3	3.6	397.5	91	218	365	

Sizes over DN100 is on request.

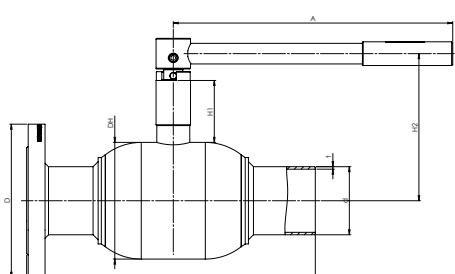
Steel ball valve DN65-100, PN16

Type 94104

Full bore

Flange x Welding

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	d	t	L	H1	H2	A	
65	94104065S312900	65	498	9.8	127	185	76.1	2.9	366.0	66	155	275	
80	94104080S313000	80	754	14.6	152	200	88.9	3.2	377.5	81	192	365	
100	94104100S313100	100	1159	18.3	178	220	114.3	3.6	397.5	91	218	365	

Sizes over DN100 is on request.

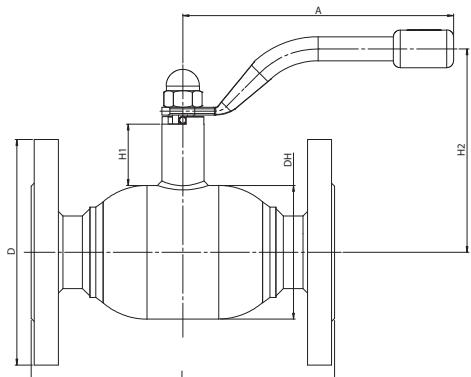
Steel ball valve DN15-50, PN40

Type 94103

Full bore

Flange x Flange

Product Sheet No.: 4.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm						Price EURO
					DH	D	L	H1	H2	A	
15	9410340015 010	15	32	1.9	42	95	130	47	115	140	
20	9410340020 010	20	57	2.7	51	105	150	47	120	140	
25	9410340025 010	25	81	3.5	57	115	160	48	124	140	
32	9410340032 010	32	133	5.5	76	140	180	41	127	180	
40	9410340040 010	40	229	6.8	89	150	200	41	133	180	
50	9410340050 010	50	295	9.3	108	165	230	66	145	275	

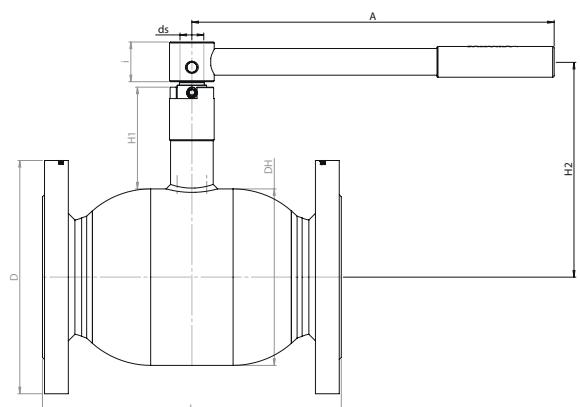
Steel ball valve DN65-125, PN25

Type 94103

Full bore

Flange x Flange

Product Sheet No.: 4.1

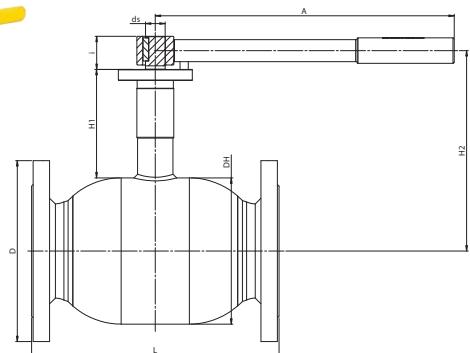


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO
					DH	D	L	H1	H2	ds	i	A	
65	9410325065 010	65	498	13.2	127	185	290	66	155	18	31	275	-
80	9410325080 010	80	754	18.6	152	200	280	81	192	24	40	365	-
100	9410325100 010	100	1159	24.5	178	235	300	91	218	24	40	365	-
125	9410325125 010	125	1841	40.5	219	270	325	90	248	30	55	650	-

Steel ball valve
DN125-150, PN25

Type 91103**Full bore****Flange x Flange
with ISO-flange**

Product Sheet No.: 4.1



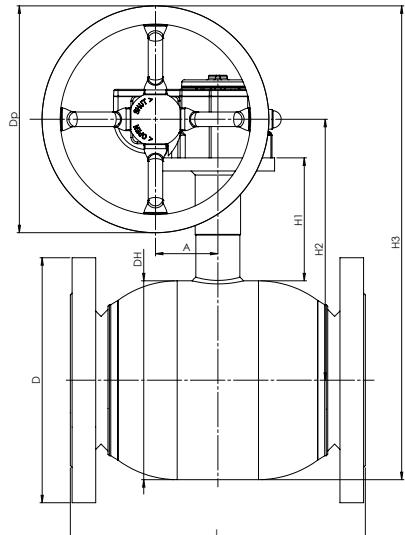
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	ds	i	A	ISO	
125	9110325125 010	125	1841	38.0	219	270	325	136	272	30	50	650	F10	
150	9110325150 010	150	2652	47.7	267	300	350	156	321	30	60	900	F12	

We recommend to add a BROEN gear, see page 60.

Steel ball valve
DN100-150, PN25

Type 91103**Full bore****Flange x Flange
with ISO-flange
and BROEN-Gear**

Product Sheet No.: 4.1



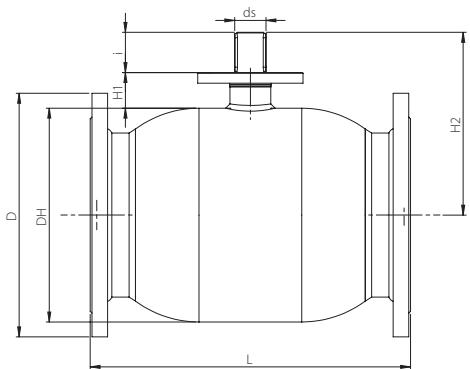
					All dimensions in mm								Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	H3	Dp	A	
100	9110325100 480	100	1159	29.4	178	235	300	132	255	335	160	52	
125	9110325125 480	125	1841	45.6	219	270	325	136	272	522	250	69	
150	9110325150 480	150	2652	56.3	267	300	350	156	321	590	250	69	

Valve with gear is tested and prepared for use.

**Steel ball valve - LOW stem
DN200-400, PN25**

Type 86204 / 86004
Full bore
Flange x Flange

Product Sheet No.: 4.1



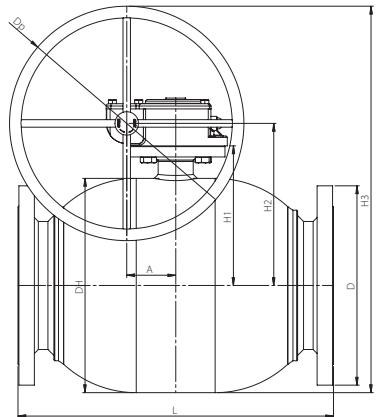
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	ds	i	ISO	
200	8620425200 000	200	9200	101.4	356	340	-	550	60.2	304	45	67	F14	
250	8620425250 000	250	13500	161.8	457	405	-	673	69.2	382	50	84	F16	
300	8600425300 000	305	21600	284.8	508	460	-	850	82.5	437	60	100	F16	
400	8600425400 000	400	35000	572.5	660	620	-	1016	105.0	547	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - LOW stem
DN200-400, PN25**

Type 86204 / 86004
Full bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 4.1



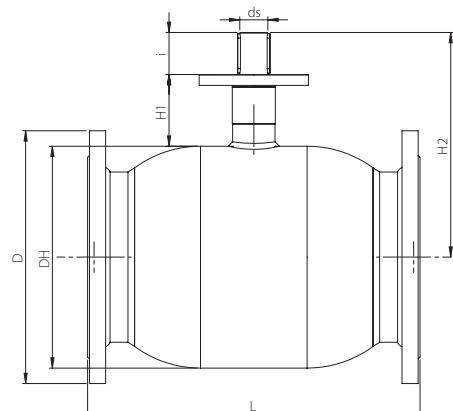
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	H3	Dp	A	
200	8620425200 480	200	9200	103.5	356	340	-	550	60.2	275	500,0	450	68.8	
250	8620425250 480	250	13500	166.8	457	405	-	673	69.2	346	596,0	500	104.5	
300	8600425300 480	305	21600	293.2	457	460	-	850	82.5	392	566,5	350	130.0	
400	8600425400 480	400	35000	640.6	508	620	-	1016	105.0	494	719,0	450	182.0	

Valve with gear is tested and prepared for use.

**Steel ball valve - HIGH stem
DN200-400, PN25**

Type 86214 / 86014
Full bore
Flange x Flange

Product Sheet No.: 4.1



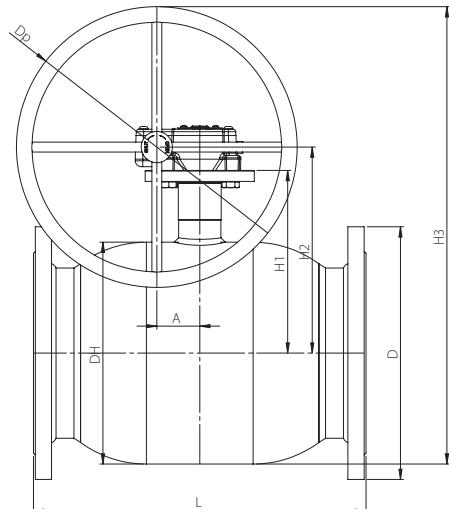
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	ds	i	ISO	
200	8621425200 000	200	9200	101.9	356	355.6	-	550	115	360	45	67	F14	
250	8621425250 000	250	13500	163.9	457	405.0	-	673	130	386	50	84	F16	
300	8601425300 000	305	21600	288.2	508	460.0	-	850	155	507	60	100	F16	
400	8601425400 000	400	35000	578.8	660	620.0	-	1016	180	622	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN200-400, PN25**

Type 86214 / 86014
Full bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 4.1



					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	H3	Dp	A	
200	8621425200 480	200	9200	105.0	356	355.6	-	550	115	330	555	450	68.8	
250	8621425250 480	250	13500	168.9	457	405.0	-	673	130	407	657	500	104.5	
300	8601425300 480	305	21600	296.6	457	460.0	-	850	155	464	639	350	130.0	
400	8601425400 480	400	35000	646.9	508	620.0	-	1016	180	569	794	450	182.0	

Valve with gear is tested and prepared for use.

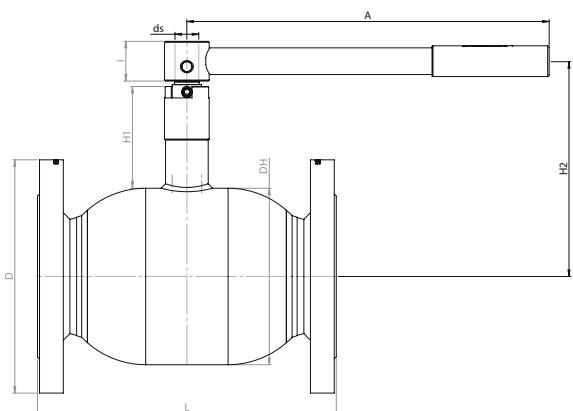
Steel ball valve
DN65-125, PN16

Type 94103

Full bore

Flange x Flange

Product Sheet No.: 4.1

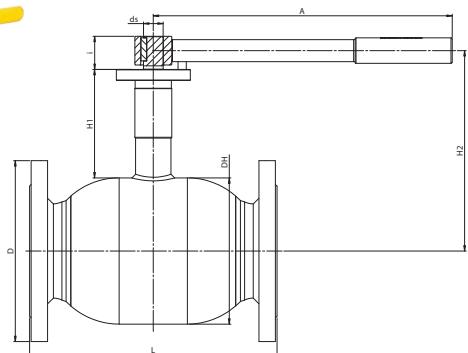


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					DH	D	L	H1	H2	ds	i	A	ISO	
65	9410316065 010	65	498	13.2	127	185	290	66	155	18	31	275	-	
80	9410316080 010	80	754	18.6	152	200	280	81	192	24	40	365	-	
100	9410316100 010	100	1159	21.4	178	220	300	91	218	24	40	365	-	
125	9410316125 010	125	1841	35.0	219	250	325	90	248	30	55	650	-	

Steel ball valve
DN125-150, PN16

Type 91103**Full bore****Flange x Flange
with ISO-flange**

Product Sheet No.: 4.1



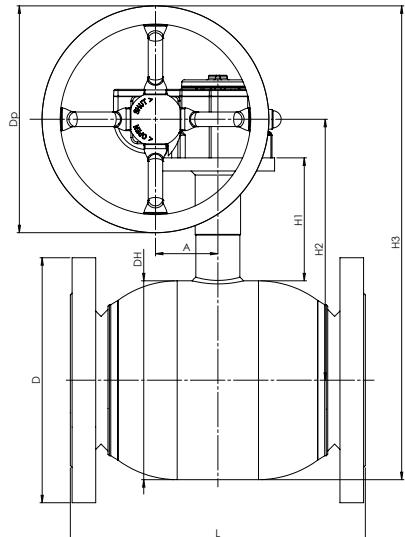
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	ds	i	A	ISO	
125	9110316125 010	125	1841	34.6	219	250	325	136	272	30	50	650	F10	
150	9110316150 010	150	2652	41.4	267	285	350	156	321	30	60	900	F12	

We recommend to add a BROEN gear, see page 60.

Steel ball valve
DN125-150, PN16

Type 91103**Full bore****Flange x Flange
with ISO-flange
and BROEN-Gear**

Product Sheet No.: 4.1



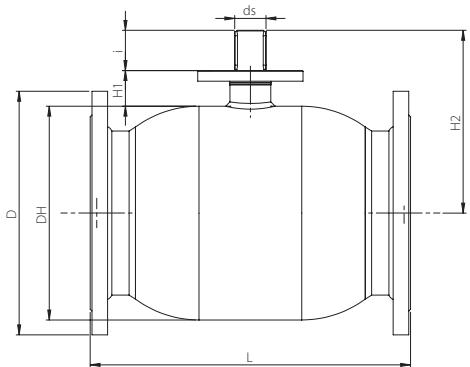
					All dimensions in mm								Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	L	H1	H2	H3	Dp	A	
125	9110316125 480	125	1841	43.2	219	250	325	136	272	522	250	69	
150	9110316150 480	150	2652	50.0	267	285	350	156	321	590	250	69	

Valve with gear is tested and prepared for use.

**Steel ball valve - LOW stem
DN200-400, PN16**

Type 86204 / 86004
Full bore
Flange x Flange

Product Sheet No.: 4.1



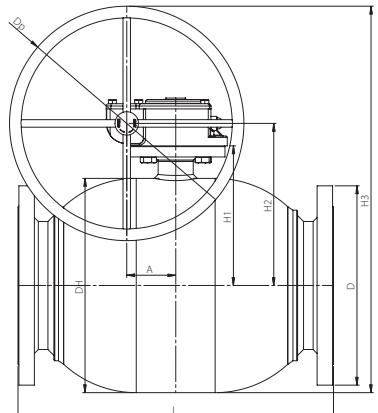
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	ds	i	ISO	
200	8620416200 000	200	9200	101.4	356	340	-	550	60.2	304	45	67	F14	
250	8620416250 000	250	13500	161.8	457	405	-	673	69.2	382	50	84	F16	
300	8600416300 000	305	21600	284.8	508	460	-	850	82.5	437	60	100	F16	
400	8600416400 000	400	35000	572.5	660	620	-	1016	105.0	547	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - LOW stem
DN200-400, PN16**

Type 86204 / 86004
Full bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 4.1



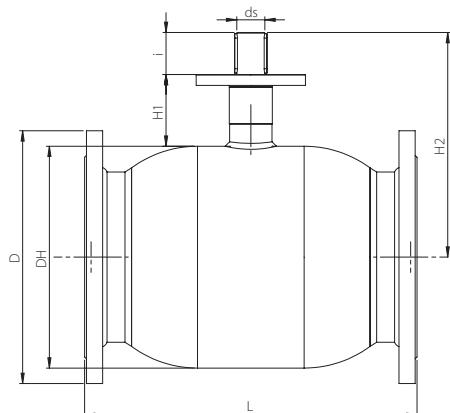
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	H3	Dp	A	
200	8620416200 480	200	9200	103.5	356	340	-	550	60.2	275	500.0	450	68.8	
250	8620416250 480	250	13500	166.8	457	405	-	673	69.2	346	596.0	500	104.5	
300	8600416300 480	305	21600	293.2	457	460	-	850	82.5	392	566.5	350	130.0	
400	8600416400 480	400	35000	640.6	508	620	-	1016	105.0	494	719.0	450	182.0	

Valve with gear is tested and prepared for use.

**Steel ball valve - HIGH stem
DN200-400, PN16**

Type 86214 / 86014
Full bore
Flange x Flange

Product Sheet No.: 4.1



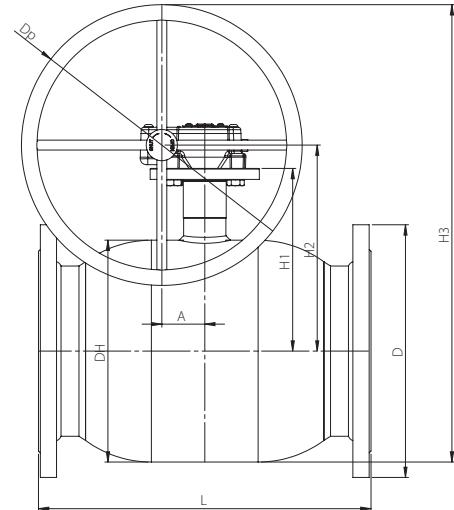
					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	ds	i	ISO	
200	8621416200 000	200	9200	101.9	356	355.6	-	550	115	360	45	67	F14	
250	8621416250 000	250	13500	163.9	457	405.0	-	673	130	386	50	84	F16	
300	8601416300 000	305	21600	288.2	508	460.0	-	850	155	507	60	100	F16	
400	8601416400 000	400	35000	578.8	660	620.0	-	1016	180	622	80	112	F30	

We recommend to add a BROEN gear, see page 60.

**Steel ball valve - HIGH stem
DN200-400, PN16**

Type 86214 / 86014
Full bore
Flange x Flange
with BROEN-Gear

Product Sheet No.: 4.1



					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	D	t	L	H1	H2	H3	Dp	A	
200	8621416200 480	200	9200	105.0	356	355.6	-	550	115	330	555	450	68.8	
250	8621416250 480	250	13500	168.9	457	405.0	-	673	130	407	657	500	104.5	
300	8601416300 480	305	21600	296.6	457	460.0	-	850	155	464	639	350	130.0	
400	8601416400 480	400	35000	646.9	508	620.0	-	1016	180	569	794	450	182.0	

Valve with gear is tested and prepared for use.

Flexible main stop valve DN15-20, PN25

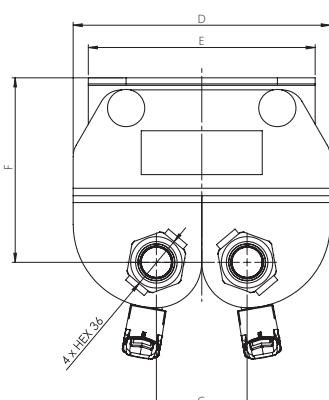
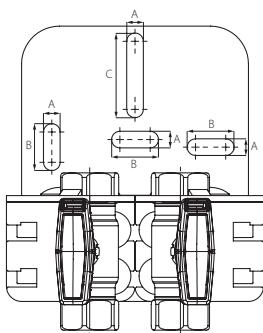
Type 69600

Full bore

Female x Female

INSULATION SHELLS incl.

Product Sheet No.:



		All dimensions in mm							Price EURO
DN	BROEN No.	A	B	C	RG	D	E	F	
15	69600015 025I	11	31	56	½"	170	150	122-143	60-225
20	69600020 025I	11	31	56	¾"	170	150	122-143	60-225

DN25 on request. Designed for both twin- and singlepipes.

Flexible main stop valve DN15-20, PN25

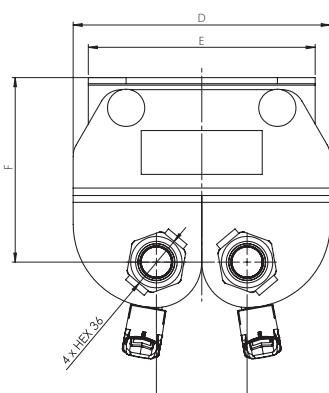
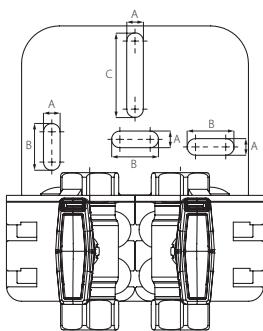
Type 69601

Full bore

Welding x Female

INSULATION SHELLS incl.

Product Sheet No.:



		All dimensions in mm							Price EURO
DN	BROEN No.	A	B	C	RG	D	E	F	
15	69601015 025I	11	31	56	½"	170	150	122-143	60-225
20	69601020 025I	11	31	56	¾"	170	150	122-143	60-225

DN25 on request. Designed for both twin- and singlepipes.

Flexible main stop valve
DN15-20, PN25

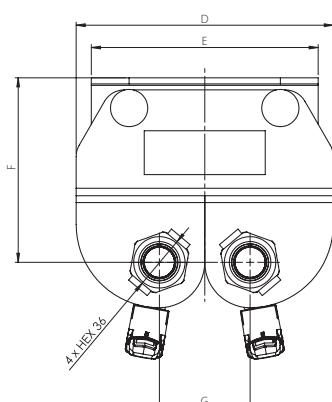
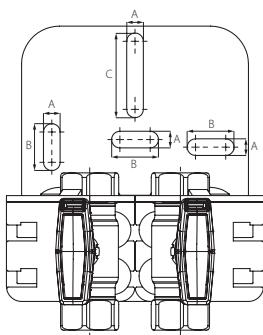
Type 69602

Full bore

Welding x Welding

INSULATION SHELLS incl.

Product Sheet No.:



		All dimensions in mm								Price EURO
DN	BROEN No.	A	B	C	RG	D	E	F	G	
15	69602015 025I	11	31	56	1/2"	170	150	122-143	60-225	
20	69602020 025I	11	31	56	3/4"	170	150	122-143	60-225	

DN25 on request. Designed for both twin- and singlepipes.

Valves with copper ends are on request.

DN15: Copper x Welding - Copper x Copper - Female x Copper

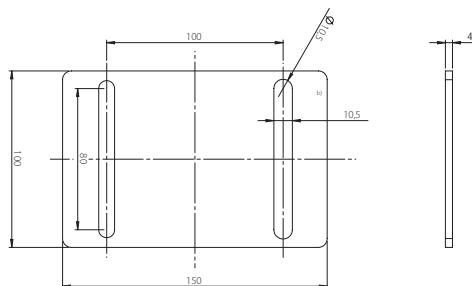
DN20: Copper x Welding - Copper x Copper - Female x Copper

DN25: Copper x Welding - Copper x Copper - Female x Copper

**Bracket for extension
DN15-20**

Type 109367

Product Sheet No.: 7.2

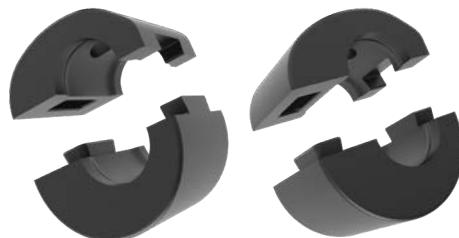


DN	BROEN No.	Width - mm	Height - mm	Depth - mm	Net-price EURO
15-20	103967	150	100	4	

**Insulation shells
DN15-20**

Type 600...

Product Sheet No.:



DN	BROEN No.	Net-price EURO
15	600825	
20	600826	

**T-handles
DN15-20**

**Type 901555
with red, blue and yellow clips**

Product Sheet No.:



DN	BROEN No.	Price EURO
15-20	9015550002	

**Lock fitting
DN15-20**

Type 600749

Product Sheet No.:



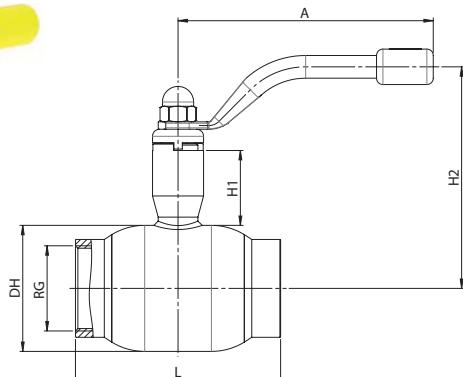
DN	BROEN No.	Net-price EURO
15-20	600749	

High temperature valve
 DN10-50, PN40

Type 55100
Reduced bore

Female × Female

Product Sheet No.: 8.1



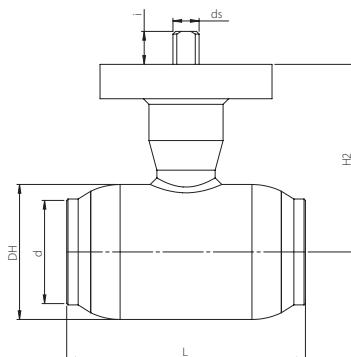
					All dimensions in mm						Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	RG	DH	L	H1	H2	A	
10	5510040010 010	10	7	0.6	3/8"	38.0	65	42	104	140	
15	5510040015 010	10	8	0.6	1/2"	38.0	65	42	104	140	
20	5510040020 010	15	15	0.7	3/4"	42.4	75	44	107	140	
25	5510040025 010	20	27	0.8	1"	51.0	90	44	112	140	
32	5510040032 010	25	40	1.2	1 1/4"	57.0	105	45	116	140	
40	5510040040 010	32	69	2.1	1 1/2"	76.1	120	68	150	180	
50	5510040050 010	40	110	2.9	2"	88.9	145	68	156	180	

 High temperature valve
 DN10-50, PN40

Type 55100
Reduced bore

 Female × Female
 with ISO-flange

Product Sheet No.:



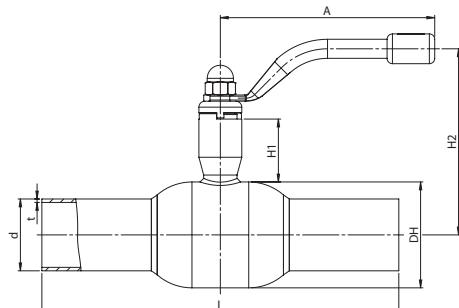
					All dimensions in mm						Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	d	DH	L	H2	ds	i	ISO
10	5510040010 300	10	7	0.7	3/8"	38.0	65	63	10	12.5	F5
15	5510040015 300	10	8	0.7	1/2"	38.0	65	63	10	12.5	F5
20	5510040020 300	15	15	0.8	3/4"	42.4	75	67	10	12.5	F5
25	5510040025 300	20	27	0.9	1"	51.0	90	71	10	12.5	F5
32	5510040032 300	25	40	1.3	1 1/4"	57.0	105	75	10	12.5	F5
40	5510040040 300	32	69	2.2	1 1/2"	76.1	120	106	14	18.0	F7
50	5510040050 300	40	110	3.0	2"	88.9	145	112	14	18.0	F7

ISO-Flange acc. ISO5211.

High temperature valve
 DN10-50, PN40

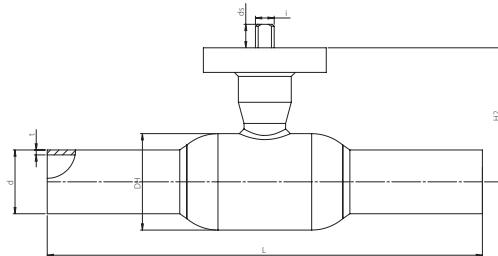
Type 55102
Reduced bore
Welding x Welding

Product Sheet No.: 8.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					DH	L	d	t	H1	H2	A	
10	5510240010 010	10	7	0.8	38.0	210	17.2	1.8	42	104	140	
15	5510240015 010	10	8	0.8	38.0	210	21.3	2.0	42	104	140	
20	5510240020 010	15	15	0.8	42.4	230	26.9	2.3	44	107	140	
25	5510240025 010	20	27	1.0	51.0	230	33.7	2.6	44	112	140	
32	5510240032 010	25	40	1.4	57.0	260	42.4	2.6	45	116	140	
40	5510240040 010	32	69	2.2	76.1	260	48.3	2.6	68	150	180	
50	5510240050 010	40	110	2.9	88.9	300	60.3	2.9	68	156	180	

 High temperature valve
 DN10-50, PN40

Type 55102
Reduced bore
**Welding x Welding
with ISO-flange**


Product Sheet No.:

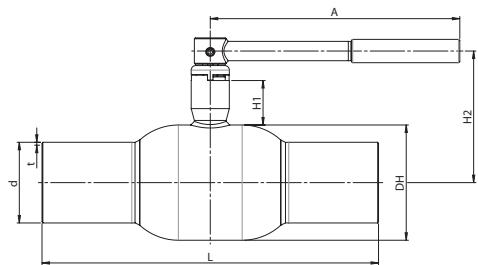
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					d	DH	L	t	H2	ds	i	
10	5510240010 300	10	7	0.9	17.2	38.0	210	1.8	63	10	12.5	F5
15	5510240015 300	10	8	0.9	21.3	38.0	210	2.0	63	10	12.5	F5
20	5510240020 300	15	15	0.9	26.9	42.4	230	2.3	67	10	12.5	F5
25	5510240025 300	20	27	1.1	33.7	51.0	230	2.6	71	10	12.5	F5
32	5510240032 300	25	40	1.5	42.4	57.0	260	2.6	75	10	12.5	F5
40	5510240040 300	32	69	2.3	48.3	76.1	260	2.6	106	14	18.0	F7
50	5510240050 300	40	110	3.0	60.3	88.9	300	2.9	112	14	18.0	F7

ISO-Flange acc. ISO5211.

High temperature valve
 DN65-200, PN25

Type 55102
Reduced bore
Welding × Welding

Product Sheet No.: 8.1

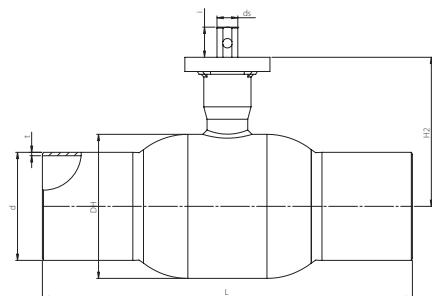


					All dimensions in mm							Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	L	d	t	H1	H2	A	
65	5510225065 010	50	180	4.5	108.0	360	76.1	2.9	65	135	275	
80	5510225080 010	65	288	5.9	127.0	370	88.9	3.2	66	145	275	
100	5510225100 010	80	417	9.4	152.4	390	114.3	3.6	81	178	365	
125	5510225125 010	100	699	13.0	177.8	390	139.7	3.6	104	217	365	
150	5510225150 010	125	1046	19.9	219.1	390	168.3	4.0	103	240	650	
200	5510225200 010	150	1500	35.2	267.0	390	219.1	4.5	153	318	900	

 High temperature valve
 DN65-200, PN25

Type 55102
Reduced bore
**Welding × Welding
with ISO-flange**

Product Sheet No.:

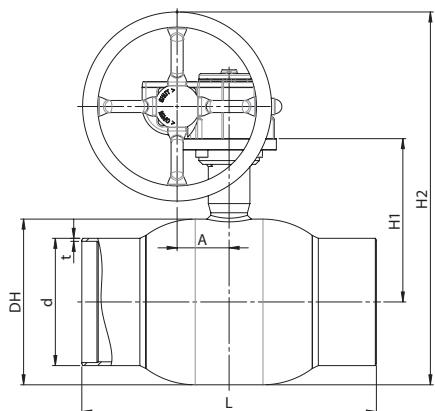


					All dimensions in mm							Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	d	DH	L	t	H2	ds	i	ISO
65	5510225065 300	50	180	4.5	76.1	108.0	360	2.9	149	17	29.5	F7
80	5510225080 300	65	288	5.9	88.9	127.0	370	3.2	159	17	29.5	F7
100	5510225100 300	80	417	8.9	114.3	152.4	390	3.6	190	22	31.9	F7
125	5510225125 300	100	699	13.8	139.7	177.8	390	3.6	229	24	32.0	F10
150	5510225150 300	125	1046	18.7	168.3	219.1	390	4.0	269	30	53.3	F10
200	5510225200 300	150	1500	31.4	219.1	267.0	390	4.5	349	30	62.8	F14

ISO-Flange acc. ISO5211.

**High temperature valve
DN125-200, PN25****Type 55102****Reduced bore****Welding x Welding****with ISO-flange****and BROEN-Gear**

Product Sheet No.: 8.1



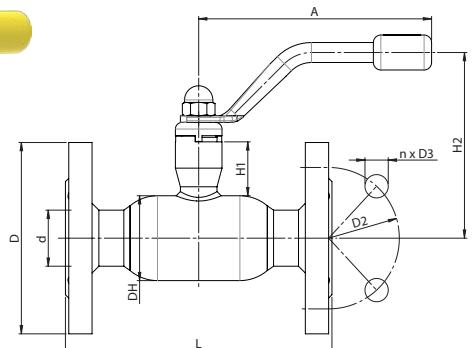
					All dimensions in mm								Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	DH	L	d	t	H1	H2	dp	A	
125	5510225125 480	100	699	18.2	177.8	390	139.7	3.6	197	224	200	55	
150	5510225150 480	125	1046	26.5	219.1	390	168.3	4.0	216	250	300	69	
200	5510225200 480	150	1500	39.2	267.0	390	219.1	4.5	286	320	300	69	

Valve with gear is tested and prepared for use.

High temperature valve DN15-50, PN40

Type 55103
Reduced bore
Flange x Flange

Product Sheet No.: 8.1

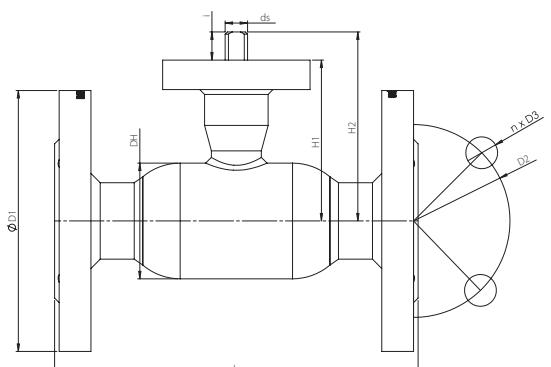


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					L	DH	H1	H2	D1	D2	A	n	D3	
15	5510340015 010	10	8	1.8	130	38.0	43	104	95	65	140	4	14	
20	5510340020 010	15	15	2.4	150	42.4	44	107	105	75	140	4	14	
25	5510340025 010	20	27	2.9	160	51.0	44	112	115	85	140	4	14	
32	5510340032 010	25	40	4.5	180	57.0	45	116	140	100	140	4	18	
40	5510340040 010	32	69	5.8	200	76.1	68	150	150	110	180	4	18	
50	5510340050 010	40	110	7.6	230	88.9	68	156	165	125	180	4	18	

High temperature valve DN15-50, PN40

Type 55103
Reduced bore
Flange x Flange
with ISO-flange

Product Sheet No.:



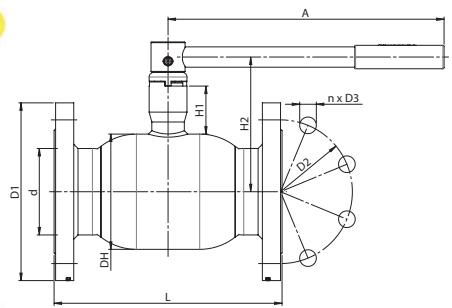
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm										Price EURO
					L	DH	H1	H2	D1	D2	n	D3	ds	i	
15	5510340015 300	10	8	1.9	130	38.0	63	75.5	95	65	4	14	10	12.5	F5
20	5510340020 300	15	15	2.5	150	42.4	67	80.0	105	75	4	14	10	12.5	F5
25	5510340025 300	20	27	3.0	160	51.0	71	83.0	115	85	4	14	10	12.5	F5
32	5510340032 300	25	40	4.6	180	57.0	75	87.5	140	100	4	18	10	12.5	F5
40	5510340040 300	32	69	5.9	200	76.1	106	124.0	150	110	4	18	14	18.0	F7
50	5510340050 300	40	110	7.8	230	88.9	112	130.0	165	125	4	18	14	18.0	F7

ISO-Flange acc. ISO5211.

High temperature valve DN65-200, PN25

Type 55103
Reduced bore
Flange x Flange

Product Sheet No.: 8.1

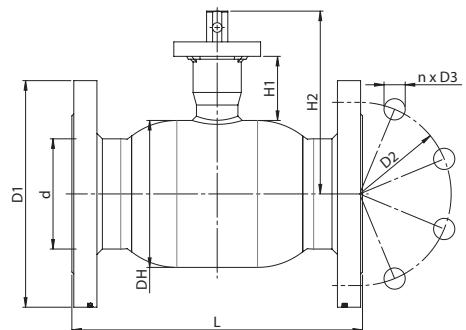


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					L	DH	H1	H2	D1	D2	A	n	D3	
65	5510325065 010	50	180	10.7	290	108.0	65	135	185	145	275	8	18	
80	5510325080 010	65	288	13.4	280	127.0	65	145	200	160	275	8	18	
100	5510325100 010	80	417	20.0	300	152.0	81	178	235	190	365	8	22	
125	5510325125 010	100	699	27.9	325	177.8	103	217	270	220	365	8	26	
150	5510325150 010	125	1046	38.7	350	219.1	103	240	300	250	650	8	26	
200	5510325200 010	150	1500	63.0	400	267.0	153	318	360	310	900	12	26	

High temperature valve DN65-200, PN25

Type 55103
Reduced bore
Flange x Flange
with ISO-flange

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO	
					L	DH	H1	H2	D1	D2	n	D3	ds	i	
65	5510325065 300	50	180	10.7	290	108.0	120	149	185	145	8	18	17	29.5	F7
80	5510325080 300	65	288	13.4	280	127.0	130	159	200	160	8	18	17	29.5	F7
100	5510325100 300	80	417	19.5	300	152.0	158	190	235	160	8	22	22	31.9	F7
125	5510325125 300	100	699	28.4	325	177.8	197	229	270	220	8	26	24	32.0	F10
150	5510325150 300	125	1046	37.5	350	219.1	216	269	300	250	8	26	30	53.3	F10
200	5510325200 300	150	1500	59.2	400	267.0	286	349	360	310	12	26	36	62.8	F14

ISO-Flange acc. ISO5211.

High temperature valve DN125-200, PN25

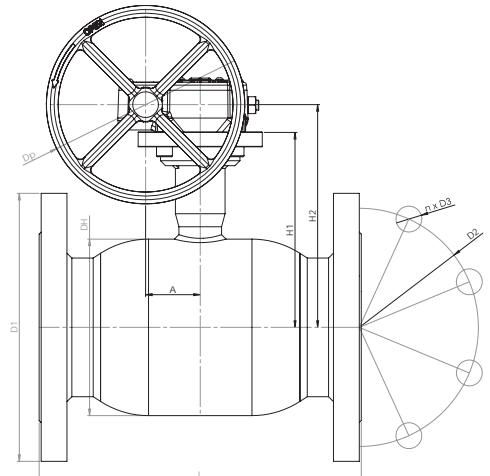
Type 55103

Reduced bore

Flange x Flange

with BROEN-Gear

Product Sheet No.:



					All dimensions in mm									Price EURO	
DN	BROEN No.	Bore	Kvs	net Weight kg	L	DH	H1	H2	D1	D2	n	D3	p	A	
125	5510325125 480	100	699	32.8	325	177.8	197	224	270	220	8	26	200	55	
150	5510325150 480	125	1046	45.3	350	219.1	216	250	300	250	8	26	300	69	
200	5510325200 480	150	1500	67.0	400	267.0	286	320	360	310	12	26	300	69	

Valve with gear is tested and prepared for use.

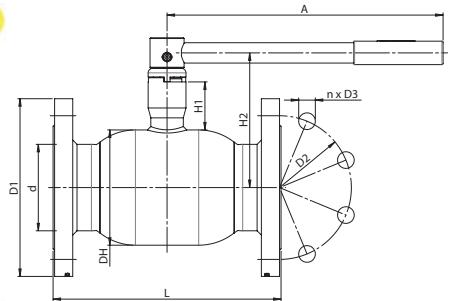
High temperature valve DN65-200, PN16

Type 55103

Reduced bore

Flange x Flange

Product Sheet No.: 8.1

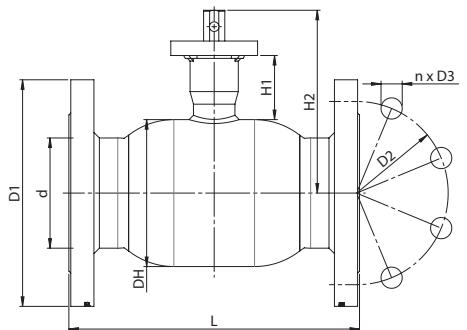


					All dimensions in mm									Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	L	DH	H1	H2	D1	D2	A	n	D3	
65	5510316065 010	50	180	11.0	290	108.0	65	135	185	145	275	4	18	
80	5510316080 010	65	288	12.0	280	127.0	65	145	200	160	275	8	18	
100	5510316100 010	80	417	16.7	300	152.0	81	178	220	180	365	8	18	
125	5510316125 010	100	699	22.4	325	177.8	103	217	250	210	365	8	18	
150	5510316150 010	125	1046	32.4	350	219.1	103	240	285	240	650	8	22	
200	5510316200 010	150	1500	54.9	400	267.0	153	318	340	295	900	8	22	

High temperature valve DN65-200, PN16

Type 55103
Reduced bore
Flange x Flange
with ISO-flange

Product Sheet No.:



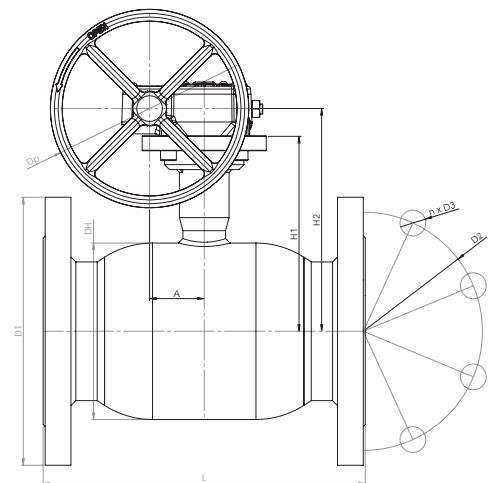
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm											Price EURO
					L	DH	H1	H2	D1	D2	n	D3	ds	i	ISO	
65	5510316065 300	50	180	11.0	290	108.0	120	149	185	145	4	18	17	29.5	F7	
80	5510316080 300	65	288	12.0	280	127.0	130	159	200	160	8	18	17	29.5	F7	
100	5510316100 300	80	417	16.9	300	152.0	158	190	220	180	8	18	22	31.9	F7	
125	5510316125 300	100	699	22.8	325	177.8	197	229	250	210	8	18	24	32.0	F10	
150	5510316150 300	125	1046	32.6	350	219.1	216	269	285	240	8	22	30	53.3	F10	
200	5510316200 300	150	1500	55.1	400	267.0	286	349	340	295	8	22	36	62.8	F14	

ISO-Flange acc. ISO5211.

High temperature valve DN125-200, PN16

Type 55103
Reduced bore
Flange x Flange
with BROEN-Gear

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm										Price EURO
					L	DH	H1	H2	D1	D2	n	D3	p	A	
125	5510316125 480	100	699	27.2	325	177.8	197	224	250	210	8	18	200	55	
150	5510316150 480	125	1046	39.0	350	219.1	216	250	285	240	8	22	300	69	
200	5510316200 480	150	1500	63.8	400	267.0	286	320	340	295	8	22	300	69	

Valve with gear is tested and prepared for use.

Handle BBM Full Flow valves DN10-50

Type 90...
with red, blue and yellow clips

Product Sheet No.:



DN	BROEN No.	L - mm	Price EURO
10-20	9015500002	75	
25-32	9032500002	100	
40-50	9040500001	120	

T-handle BBM Full Flow valves DN10-20

Type 90155
with red, blue and yellow clips

Product Sheet No.:



DN	BROEN No.	L - mm	Price EURO
10-20	9015550022	75	

T-handle DN15-40

Type 66050

Product Sheet No.: 4.2 / 3.2



DN - full bore	DN - reduced bore	BROEN No.	Color	L - mm	B - mm	Price EURO
15-25	10-32	66050010 000	Yellow	85	34	
15-25	10-32	66050010 003	Blue	85	34	
15-25	10-32	66050010 004	Red	85	34	
32-40	40-50	66050040 000	Yellow	120	44	
32-40	40-50	66050040 003	Blue	120	44	
32-40	40-50	66050040 004	Red	120	44	

T-handles not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

Handle DN10-200

Type 66060 / 66064 / 66061

Product Sheet No.: 4.2 / 3.2



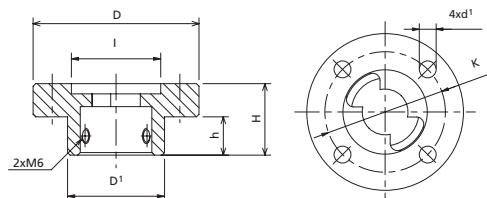
DN - full bore	DN - reduced bore	BROEN No.	L - mm	Price EURO
15-25	10-32	66060010 000	140	
32-40	40-50	66060040 000	180	
50-65	65-80	66060065 000	275	
80	100	66064100 000	365	
100	125	66061100 000	365	
125	150	66061150 000	650	
150	200	66061200 000	900	

Handles not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

ISO-flanges, mounting kit DN10-100

Type 203... / 208... / 167... / 169...

Product Sheet No.: 4.2 / 3.2



DN				All dimensions in mm							Price EURO
Full bore	Reduced bore	BROEN No.	ISO-flange	D	D ¹	H	h	I	K	d ¹	
15-25	10-32	203245	F05	65	34	28	15	35	50	7	
32-40	40-50	208245	F05	65	38	28	15	35	50	7	
50-65	65-80	167245	F05	65	47	33	20	35	50	7	
80	100	169245	F07	90	57	35	20	55	70	9	

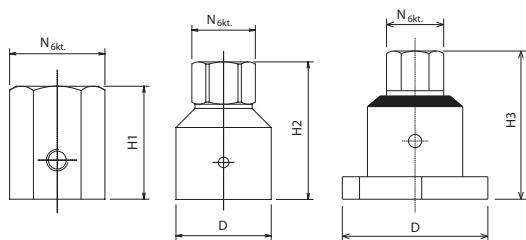
ISO-flanges for smaller size valves, without pre-mounted ISO-flange from factory. Used for later mounting of gears.

Not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

Hexagon for insertion key DN10-150

Type 66160 / 66164 / 66161

Product Sheet No.: 4.2 / 3.2



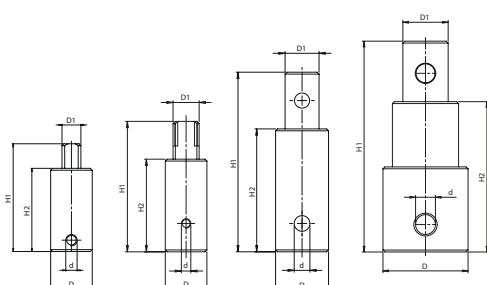
DN		BROEN No.	D	All dimensions in mm				Price EURO
Full bore	Reduced bore			H1	H2	H3	N hex.	
15-25	10-32	66160010 000	-	26	-	-	19	
32-40	40-50	66160040 000	-	26	-	-	19	
50-65	65-80	66160065 000	28	-	52	-	19	
80	100	66164100 000	45	-	65	-	27	
100	125	66161100 000	80	-	-	75	27	
125	150	66161150 000	112	-	-	85	27	

Hexagon insertion key - not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

Spindle extension DN10-125

Type 084... / 251...

Product Sheet No.: 4.2 / 3.2



DN		BROEN No.	D	All dimensions in mm				Price EURO
Full bore	Reduced bore			H1	H2	d	D1	
15-25	10-32	084600	22	57.0	44.0	-	10	
32-40	40-50	084500	22	69.0	49.0	-	14	
50-65	65-80	084800	28	95.0	65.0	8.3	18	
80-100	100-125	251300	45	111.5	79.5	10.5	24	

Spindle extension for type 64 valves - not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

**Ballomax® Repair set
DN10-500****Type 600...
Full bore and reduced bore**

Product Sheet No.:



DN	BROEN No.	Type	NET-Price EURO
10-32	600040	60-61-64	
40-50	600041	60-61-64	
65-80	600042	60-64	
65-80	600043	61	
100	600044	60-64	
100	600045	61	
125	600046	64	
150	600048	64	
150-200	600049	61	
250	600050	40	
300-350	600051	40	
400	600052	40	
450-500	600053	40	
250	600568	85	
300-350	600600	85	
400	600601	85	
500	600602	85	

Repair set include tools and 5 gaskets for repair - not suitable for BROEN Ballomax® Full Flow valves (Type BBM).

**BROEN can also supply electric actuators or hydraulic actuators for the valves.
Please ask BROEN sales department for information about types.****BROEN can additionally provide 3.1 Certificate for the valves.
Price 35,- € (net-price)**

Example for valve with electric actuators:



BROEN-Gear DN100-500

Type 600...

Product Sheet No.: 4.2 / 3.2



DN		BROEN No.	Type	Nm	Price EURO
Full bore	Reduced bore				
-	100	600583	242-30S	400	
100	125	600584	242-20S	400	
125	150	600585	242-40S	800	
150	200	600586	242-40S	800	
200	250	600587	242-40M	1500	
250	300	600588	AB1250N	3000	
-	350	600588	AB1250N	3000	
300	400	600589	AB1950N PR4	6500	
400	500	600590	AB6800N PR6	16000	

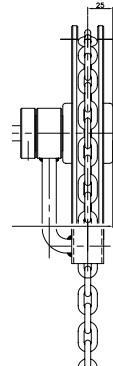
BROEN manual gear, mounting and adjustment are customers responsibility.

BROEN-Gear DN40-300

Type CW...

Full bore and reduced bore

Product Sheet No.:



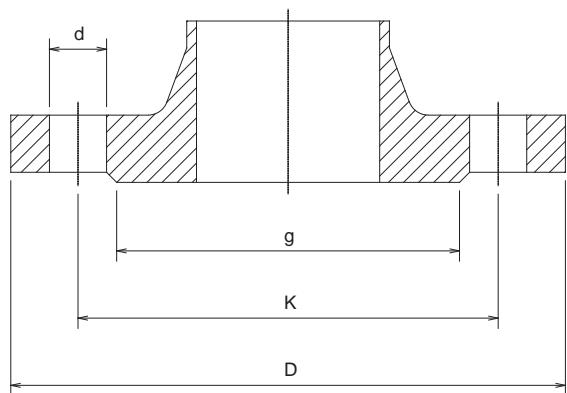
	Size	BROEN No.	Price EURO
	Ø15	CW 135	
	Ø20	CW 215	
	Ø25	CW 335	
Accessory:			
Gear chain	1 meter - ZP chain (+ Splitlink)		
Gear chain	1 meter - SS chain (+ Splitlink)		

BROEN manual gear, mounting and adjustment are customers responsibility. Possible to operate with chain, for gear mounted high above ground. Galvanized chain, price per meter.

NOTICE: The length is the total length, not the height above ground of the gear.

Flange dimensions
DN15-50, PN40

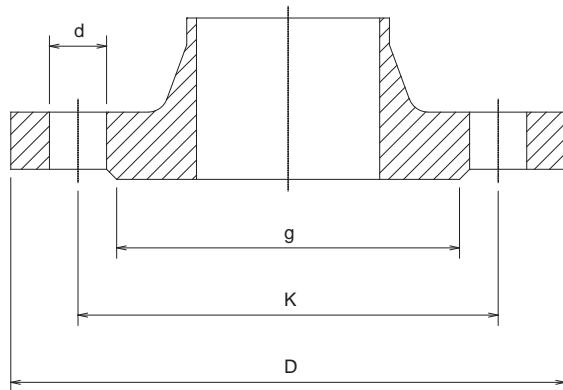
EN 1092-1



DN	All dimensions in mm				No. of bolt holes
	D	K	g	d	
15	95	65	45	14	4
20	105	75	58	14	4
25	115	85	68	14	4
32	140	100	78	18	4
40	150	110	88	18	4
50	165	125	102	18	4

**Flange dimensions
DN15-500, PN25**

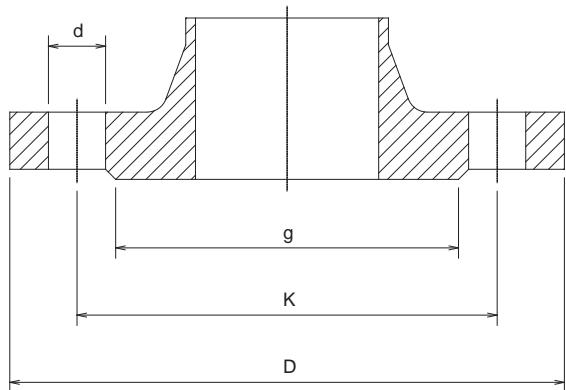
EN 1092-1



DN		All dimensions in mm				No. of bolt holes
Full flow	Red. flow	D	K	g	d	
15	15	95	65	45	14	4
20	20	105	75	58	14	4
25	25	115	85	68	14	4
32	32	140	100	78	18	4
40	40	150	110	88	18	4
50	50	165	125	102	18	4
65	65	185	145	122	18	8
80	80	200	160	138	18	8
100	100	235	190	162	22	8
125	125	270	220	188	26	8
150	150	300	250	218	26	8
200	200	360	310	278	26	12
250	250	425	370	335	30	12
300	300	485	430	395	30	16
350	350	555	490	450	33	16
400	400	620	550	505	36	16
-	500	730	660	615	36	20

**Flange dimensions
DN15-500, PN16**

EN 1092-1



DN		All dimensions in mm				No. of bolt holes
Full flow	Red. flow	D	K	g	d	
15	15	95	65	45	14	4
20	20	105	75	58	14	4
25	25	115	85	68	14	4
32	32	140	100	78	18	4
40	40	150	110	88	18	4
50	50	165	125	102	18	4
65	65	185	145	122	18	4
80	80	200	160	138	18	8
100	100	220	180	158	18	8
125	125	250	210	188	18	8
150	150	285	240	212	22	8
200	200	340	295	268	22	12
250	250	405	355	320	26	12
300	300	460	410	378	26	12
350	350	520	470	438	26	16
400	400	580	525	490	30	16
-	500	715	650	610	33	20

BROEN Ballomax® monoblock and short valves

BROEN Ballomax® monoblock and short valves offers a safe and modern construction for district heating networks, air conditioning and industrial installations with water, air, steam, gas and oil.

The monoblock and short valves are suitable for tight spaces fitting narrow build-in requirements when re-configuring or renovating pipelines. The valve is tested and subjected to a 100% quality control before leaving the factory and it therefore requires minimal service for the rest of its life.

Both the ball and the spindle are made from stainless steel.



- All CE-marked valves are approved according to PED 2014/68/EU - module H
- Highest Class A tightness - EN 12266
- Double sealing : O-ring (EPDM), VITON
- Temperature compensation (linear)
- Double bearing spindle system, diameter \geq DN 65
- Operating temperature from -20°C to +200°C

Monoblock valve
DN15-32, PN40/25/16

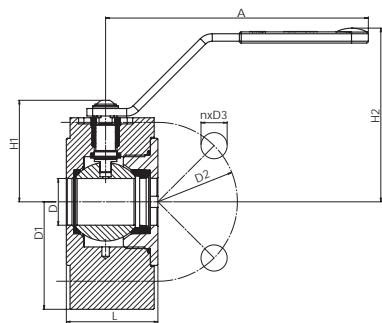
Type 94103

Full bore

Monoblock single

Wafer type

Product Sheet No.:



					All dimensions in mm									Price EURO	
DN	BROEN No.	D = Bore	Kvs	net Weight kg	L	D1	D2	A	H1	H2	D3	n			Price EURO
15	9410340015WZ	15	32	1.8	40	95	65	140	46	85	14	4			Price EURO
20	9410340020WZ	20	57	2.8	46	105	75	140	50	88	14	4			
25	9410340025WZ	25	81	3.2	49	115	85	140	54	93	14	4			
32	9410340032WZ	32	133	5.5	62	140	100	167	71	109	18	4			

Monoblock valve
DN15-32, PN40/25/16

Type 94103

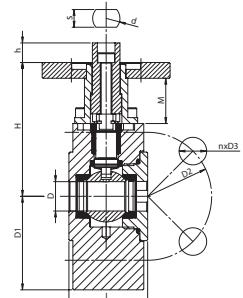
Full bore

Monoblock single

Wafer type

with ISO-flange

Product Sheet No.:



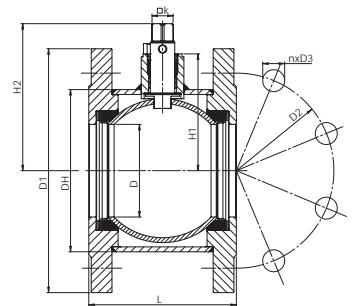
					All dimensions in mm									Price EURO	
DN	BROEN No.	D = Bore	Kvs	net Weight kg	L	D1	D2	d/s	h	H	M	D3	n	ISO	Price EURO
15	9410340015WZ 90	15	32	1.9	40	95	65	14/10	10	68	23	14	4	F5	
20	9410340020WZ 90	20	57	2.6	46	105	75	14/10	10	71	23	14	4	F5	
25	9410340025WZ 90	25	81	3.3	49	115	85	14/10	10	76	23	14	4	F5	
32	9410340032WZ 90	32	133	5.9	62	140	100	16/11	10	91	23	18	4	F5	

ISO-Flange acc. ISO5211.

Monoblock valve DN40-80, PN16

Type 94103**Full bore****Flange x Flange**

Product Sheet No.:

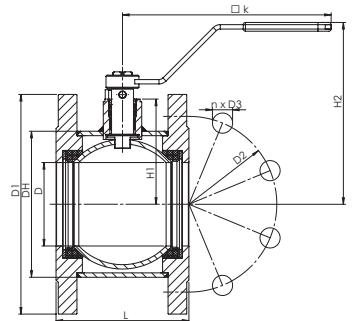


DN	BROEN No.	D = Bore	Kvs	net Weight kg	All dimensions in mm							D3	n	Price EURO
					L	DH	D1	D2	□ k	H1	H2			
40	9410316040WZ	39	229	4.3	77	76	150	110	11	70	87	18	4	
50	9410316050WZ	49	295	5.6	86	89	165	125	11	77	94	18	4	
65	9410316065WZ	63	498	7.6	106	114	185	145	14	88	113	18	8	
80	9410316080WZ	76	754	9.2	121	133	200	160	14	96	121	18	8	

Monoblock valve DN40-80, PN16

Type 94103**Full bore****Flange x Flange**

Product Sheet No.:

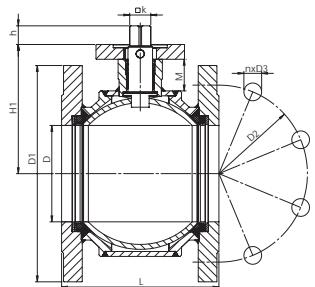


DN	BROEN No.	D = Bore	Kvs	net Weight kg	All dimensions in mm							D3	n	Price EURO
					L	DH	D1	D2	□ k	H1	H2			
40	9410316040WZ 01	39	229	4.5	77	76	150	110	177	70	127	18	4	
50	9410316050WZ 01	49	295	5.7	86	89	165	125	177	77	134	18	4	
65	9410316065WZ 01	63	498	8.0	106	114	185	145	190	88	158	18	8	
80	9410316080WZ 01	76	754	9.6	121	133	200	160	190	96	166	18	8	

Monoblock valve
DN40-80, PN16

Type 94103**Full bore****Flange x Flange**

Product Sheet No.:

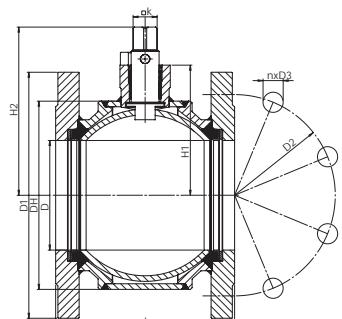


DN	BROEN No.	D = Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO	
					L	D1	D2	dk	h	H	M	D3	n	ISO
40	9410316040WZ 90	39	229	4.6	77	150	110	11	11.5	100	52	18	4	F5
50	9410316050WZ 90	49	295	5.9	86	165	125	11	11.5	108	53	18	4	F5
65	9410316065WZ 90	63	498	7.9	106	185	145	14	15.5	118	50	18	8	F5
80	9410316080WZ 90	76	754	9.5	121	200	160	14	15.5	125	49	18	8	F5

Monoblock valve
DN100-200, PN16

Type 94103**Full bore****Flange x Flange**

Product Sheet No.:

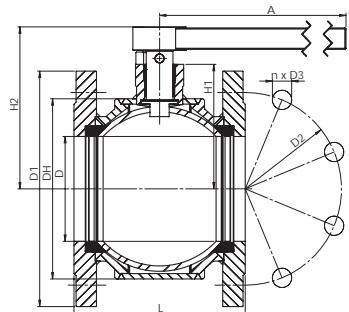


DN	BROEN No.	D = Bore	Kvs	net Weight kg	All dimensions in mm								Price EURO	
					L	DH	D1	D2	dk	H1	H2	D3	n	
100	9410316100WZ	98	1159	14,6	160	168,0	220	180	17	117,0	151,0	18	8	
125	9410316125WZ	125	1841	22,6	186	219,0	250	210	17	147,0	183,0	18	8	
150	9410316150WZ	150	2652	35,2	236	267,0	285	240	22	167,5	203,5	22	8	
200	9410316200WZ	200	5720	61,3	292	323,9	340	295	22	200,0	237,0	22	12	

Monoblock valve
DN100-150, PN16

Type 94103**Full bore****Flange x Flange**

Product Sheet No.:

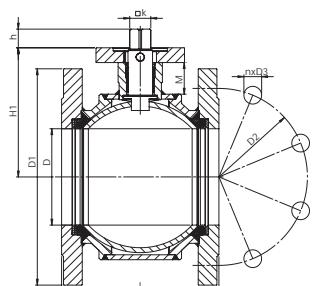


All dimensions in mm							D3	n	Price EURO					
DN	BROEN No.	D = Bore	Kvs	net Weight kg	L	DH	D1	D2	A	H1	H2			
100	9410316100WZ 01	98	1159	16.0	160	168.0	220	180	500	117	151	18	8	
125	9410316125WZ 01	125	1841	24.1	186	219.0	250	210	500	147	183	18	8	
150	9410316150WZ 01	150	2652	37.2	236	267.0	285	240	600	168	204	22	8	

Monoblock valve
DN100-200, PN16

Type 94103**Full bore****Flange x Flange
with ISO-flange**

Product Sheet No.:



All dimensions in mm							D3	n	ISO	Price EURO				
DN	BROEN No.	D = Bore	Kvs	net Weight kg	L	D1	D2	□ k	h	H	M			
100	9410316100WZ 90	98	1159	15.0	160	220	180	17	22	128	34	18	8	F7
125	9410316125WZ 90	125	1841	24.4	186	270	220	17	20	163	39	18	8	F12
150	9410316150WZ 90	150	2652	36.9	236	285	240	22	21	203	35	22	8	F12
200	9410316200WZ 90	195	5720	93.5	292	340	295	22	21	237	40	22	12	F12

ISO-Flange acc. ISO5211.

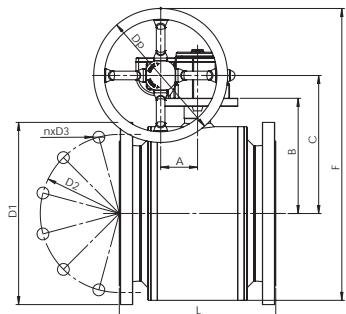
Monoblock valve
DN100-200, PN16

Type 94103

Full bore

**Flange x Flange
with ISO-flange
and BROEN-Gear**

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									D3	n	ISO	Price EURO
					L	D1	D2	DP	A	B	C	F					
100	9410316100WZ 48	98	1159	19.8	160	220	180	160	53	132	165	329	18	8	F7		
125	9410316125WZ 48	125	1841	33.0	186	270	220	250	69	162	205	439	18	8	F12		
150	9410316150WZ 48	150	2652	45.5	236	285	240	250	69	182	225	484	22	8	F12		
200	9410316200WZ 48	195	5720	102.1	292	340	295	250	69	215	258	545	22	12	F12		

Valve with gear is tested and prepared for use.

BROEN Ballomax® Fully welded trunnion mounted steel ball valves

Our fully welded BROEN Ballomax® trunnion mounted ball valves can be delivered for operation above ground level with a range of features and advantages:

- Our Double Block and Bleed (DBB) system is certified by Bureau Veritas
- Lubrication system (standard from DN350 upwards)
- 3.1 traceability certificate for material is available on request
- The valve can be delivered either as full bore or reduced bore
- Delivery with or without base plate



Technical features:

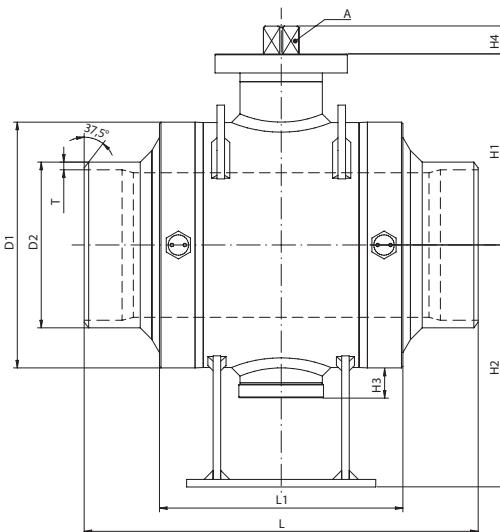
- Compliance with PED 2014/68/EU - Module H
- Functional and pressure test according to EN12266-1 and -2
- Flange dimensions acc. to EN1092-1
- Butt-weld ends according to EN12627
- Actuator mounting flange ISO 5211
- Electro less nickel Plating ISO4527
- Optional stainless steel ball
- For underground installations

Trunnion mounted steel ball valve
DN150-350, PN40/25/16

Type
Full bore
Welding × Welding

Product Sheet No.:

6.1 (PN40)
6.1 (PN25)
6.1 (PN16)



DN	Bore		Kvs PN40/25/16	net Weight kg PN40/25/16	Price EURO PN40/25/16
	PN40/25/16	PN40/25/16			
150	152.0		4498	81	
200	201.5		9234	130	
250	253.0		14428	240	
300	304.0		20777	421	
350	336.0		28280	557	

DN	All dimensions in mm					
	L		L1	D1	D2	T
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16
150	457		215	273.0	168.3	7.1
200	521		322	323.9	219.1	8.8
250	559		389	406.4	273.0	10.0
300	635		447	508.0	323.9	10.0
350	762		475	558.0	355.6	11.0

DN	All dimensions in mm							
	H1	H2	H3	H4		A		ISO
	PN40/25/16	PN40/25/16	PN40/25/16	PN40	PN25/16	PN40	PN25/16	PN40/25/16
150	214.0	306.0		37	28	SQ36	SQ27	F14
200	252.5	202.0	40.0	37	37	SQ36	SQ36	F14
250	315.0	360.0	44.8	75 / 82	75 / 82	SQ36 / Ø60	SQ36 / Ø60	F16
300	355.5	400.0	34.2	82	75 / 82	Ø60	SQ36 / Ø60	F16
350	377.5	420.5	31.5	82	75 / 82	Ø60	Ø60	F16

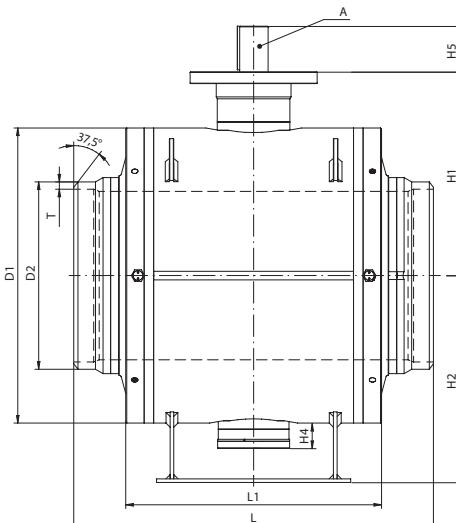
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve
DN400-1000, PN40/25/16

Type
Full bore
Welding × Welding

Product Sheet No.:

6.1 (PN40)
6.1 (PN25)
6.1 (PN16)



DN	Bore		Kvs PN40/25/16	net Weight kg PN40/25/16	Price EURO PN40/25/16
	PN40/25/16	PN40/25/16			
400	386		36937	900	
500	488		57715	1610	
600	588		101788	2570	
700	684		138544	4126	
800	780		180956	6145	
900	874		229023	8230	
1000	976		282744	12365	

DN	All dimensions in mm					
	L	L1	D1	D2	T	
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16
400	838	562	660	406.4	12.5	
500	991	705	813	508.0	12.5	
600	1143	819	988	610.0	12.5	
700	1346	976	1126	711.0	14.2	
800	1524	1124	1300	813.0	16.0	
900	1727	1214	1450	914.0	20.0	
1000	1850	1346	1650	1016.0	22.0	

DN	All dimensions in mm						ISO
	H1	H2	H4	H5	A		
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	
400	433	480	60	110	Ø72	F25	
500	561	570	70	130	Ø80	F30	
600	654	682	81	130	Ø100	F30	
700	806	790	109	200	Ø120	F35	
800	890	900	107	198	Ø120	F35	
900	941	1000	117	183	Ø140	F40	
1000	1121	1220	142	240	Ø190	F48	

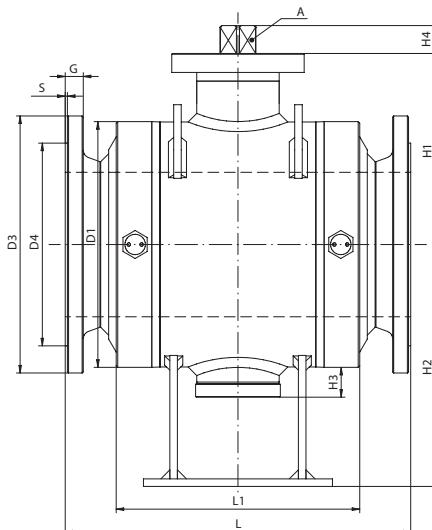
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve DN150-350, PN40/25/16

Type
Full bore
Flange x Flange

Product Sheet No.:

6.1 (PN40)
6.1 (PN25)
6.1 (PN16)



DN	Bore		Kvs		net Weight kg			Price EURO
	PN40/25/16		PN40/25/16		PN40	PN25	PN16	
150	152.0		4498		87	87	85	
200	201.5		9234		157	148	145	
250	253.0		14428		293	276	264	
300	304.0		20777		487	463	448	
350	336.0		28280		631	617	589	

DN	All dimensions in mm												
	L		L1		D1		D3			D4			
	PN40/25/16	PN40	PN25/16	PN40/25/16	PN40	PN25	PN16	PN40	PN25	PN16	PN40	PN25	PN16
150	350			273.0	300	300	285	218	218	212	28	28	22
200	457	322	322	323.9	375	360	340	285	278	268	34	30	24
250	533	389	389	406.4	450	425	405	345	335	320	38	32	26
300	610	447	447	508.0	515	485	460	410	395	378	42	34	28
350	686	475	491	558.0	580	555	520	465	450	438	46	38	30

DN	All dimensions in mm									ISO	
	S	H1	H2	H3	H4		A				
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40	PN25/16	PN40	PN25/16	PN40/25/16		
150	3	214.0			37	37	SQ36	SQ36	F14		
200	3	252.5	202.0	40.0	37	37	SQ36	SQ36	F14		
250	3	315.0	360.0	44.8	75 / 82	75 / 82	SQ36 / Ø60	SQ36 / Ø60	F16		
300	4	355.5	400.0	34.2	82	75 / 82	Ø60	SQ36 / Ø60	F16		
350	4	377.5	420.5	31.5	82	75 / 82	Ø60	Ø60	F16		

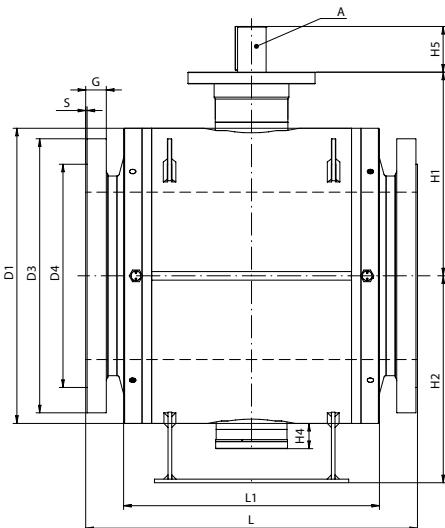
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve
DN400-1000, PN40/25/16

Type
Full bore
Flange x Flange

Product Sheet No.:

6.1 (PN40)
6.1 (PN25)
6.1 (PN16)



DN	Bore			Kvs			net Weight kg		Price EURO	
	PN40/25/16			PN40/25/16			PN40	PN25/16		
400	386			36937			1030	980		
500	488			57715			1770	1730		
600	588			101788			2890	2645		
700	684			138544			4427	4318		
800	780			180956			6295	6460		
900	874			229023			9230	8728		
1000	976			282744			13725	13041		

DN	All dimensions in mm														
	L		L1			D1	D3			D4			G		
	PN40/25/16	PN40	PN25	PN16	PN40/25/16	PN40	PN25	PN16	PN40	PN25	PN16	PN40	PN25	PN16	
400	762	565	565	565	660	660	620	580	535	505	490	50	40	32	
500	914	705	705	705	813	755	730	715	615	615	610	57	48	36	
600	1067	819	819	819	988	890	845	840	735	720	725	72	48	40	
700	1245	936	976	976	1126	995	960	910	840	820	795	86	50	40	
800	1372	1054	1138	1184	1300	1140	1085	1025	960	930	900	90	53	41	
900	1524	1214	1214	1214	1450	1250	1185	1125	1070	1030	1000	95	53	48	
1000	2050	1346	1346	1346	1650	1360	1320	1255	1180	1140	1115	100	63	59	

DN	All dimensions in mm										
	S	H1		H2	H4		H5	A		ISO	
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	
400	4	433		480	60		110	Ø72		F25	
500	4	561		570	70		130	Ø80		F30	
600	5	654		682	81		130	Ø100		F30	
700	5	806		790	109		200	Ø120		F35	
800	5	890		900	107		198	Ø120		F35	
900	5	941		1000	117		183	Ø140		F40	
1000	5	1121		1220	142		240	Ø190		F48	

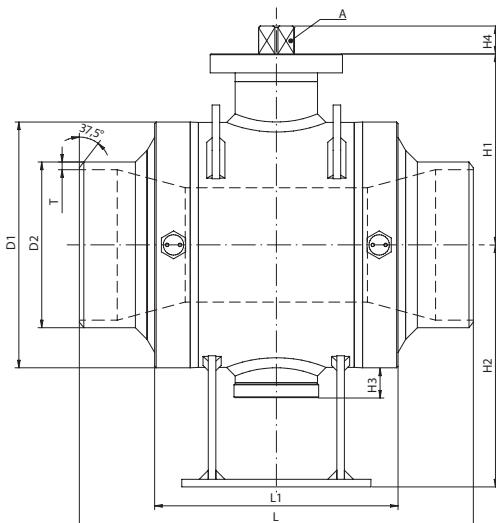
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve
DN150-400, PN40/25/16

Type
Reduced bore
Welding × Welding

Product Sheet No.:

5.1 (PN40)
5.1 (PN25)
5.1 (PN16)



DN	Bore		Kvs PN40/25/16	net Weight kg PN40/25/16		Price EURO PN40/25/16
	PN40/25/16	126.0		1250	55	
150	152.0		1800		107	
200	201.5		3410		152	
250	253.0		5101		255	
300	304.0		7853		442	
350	336.0		10443		583	
400						

DN	All dimensions in mm					T PN40/25/16
	L PN40/25/16	L1 PN40/25/16	D1 PN40/25/16	D2 PN40/25/16		
	457		219.1	168.3		7.1
150	521		273.0	219.1		8.8
200	559	322	323.9	273.0		10.0
250	635	389	406.4	323.9		10.0
300	762	447	508.0	355.6		11.0
350	838	475	558.0	406.4		12.5
400						

DN	All dimensions in mm							ISO PN40/25/16
	H1 PN40/25/16	H2 PN40/25/16	H3 PN40/25/16	H4 PN40 / PN25/16		A PN40	PN25/16	
	182.0			28	28	SQ27	SQ27	F12
150	214.0			37	37	SQ36	SQ36	F14
200	252.5	202.0	40.0	37	37	SQ36	SQ36	F14
250	315.0	360.0	44.8	75 / 82	75 / 82	SQ36 / Ø60	SQ36 / Ø60	F16
300	355.5	400.0	34.2	82	75 / 82	Ø60	SQ36 / Ø60	F16
350	377.5	420.5	31.5	82	75 / 82	Ø60	Ø60	F16
400								

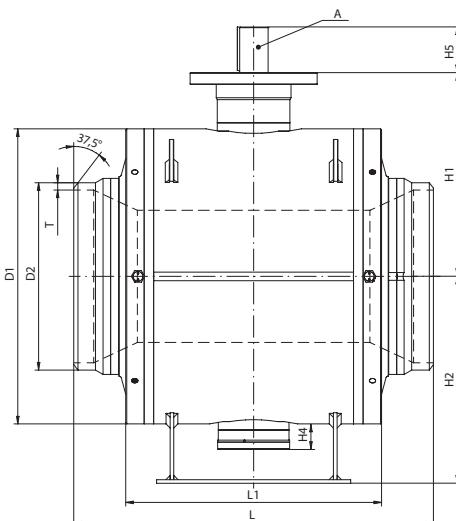
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve
DN500-1000, PN40/25/16

Type
Reduced bore
Welding × Welding

Product Sheet No.:

5.1 (PN40)
5.1 (PN25)
5.1 (PN16)



DN	Bore		Kvs PN40/25/16	net Weight kg PN40/25/16	Price EURO PN40/25/16
	PN40/25/16	PN40/25/16			
500	386		14306	1230	
600	488		22354	1985	
700	588		32188	3398	
800	684		43812	4900	
900	780		57223	6731	
1000	874		72423	9052	

DN	All dimensions in mm					T PN40/25/16
	L PN40/25/16	L1 PN40/25/16	D1 PN40/25/16	D2 PN40/25/16	PN40/25/16	
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	
500	991	562	660	508		12.5
600	1143	705	813	610		12.5
700	1345	819	988	711		14.2
800	1524	976	1126	813		16.0
900	1727	1124	1300	914		20.0
1000	1850	1214	1450	1016		22.0

DN	All dimensions in mm					ISO PN40/25/16
	H1 PN40/25/16	H2 PN40/25/16	H4 PN40/25/16	H5 PN40/25/16	A PN40/25/16	
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	
500	433	480	60	110	Ø72	F25
600	561	570	70	130	Ø80	F30
700	654	682	81	130	Ø100	F30
800	806	790	109	200	Ø120	F35
900	890	900	107	198	Ø120	F35
1000	941	1000	117	183	Ø140	F40

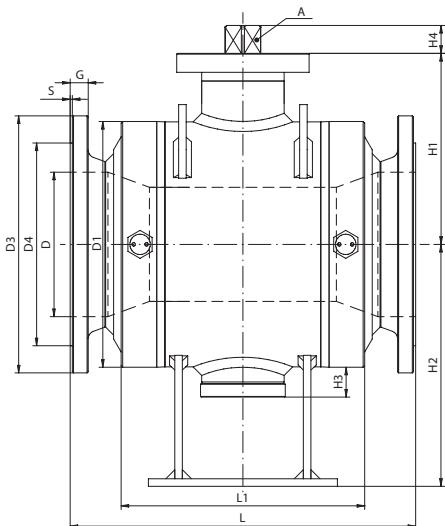
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve DN150-400, PN40/25/16

Type
Reduced bore
Flange x Flange

Product Sheet No.:

5.1 (PN40)
 5.1 (PN25)
 5.1 (PN16)



DN	Bore		Kvs		net Weight kg			Price EURO
	PN40/25/16		PN40/25/16		PN40	PN25	PN16	
150	126.0		1250		61	61	59	
200	152.0		1800		120	115	111	
250	201.5		3410		207	195	185	
300	253.0		5101		336	312	299	
350	304.0		7853		541	512	486	
400	336.0		10443		731	679	644	

DN	All dimensions in mm														
	L		L1		D1		D3			D4			G		
	PN40/25/16	PN40	PN25/16	PN40/25/16	PN40	PN25	PN16	PN40	PN25	PN16	PN40	PN25	PN16		
150	350			219.1	300	300	285	218	218	212	28	28	22		
200	457			273.0	375	360	340	285	278	268	34	34	24		
250	533	322	322	323.9	450	425	405	345	335	320	38	32	26		
300	610	389	389	406.4	515	485	460	410	395	378	42	34	28		
350	686	447	447	508.0	580	555	520	465	450	438	46	38	30		
400	762	475	491	558.0	660	620	580	535	505	490	50	40	32		

DN	All dimensions in mm										ISO
	S	H1	H2	H3	H4			A			
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40	PN25/16	PN40	PN25/16	PN40/25/16		
150	3	182.0			28	28	SQ27	SQ27	F12		
200	3	214.0			37	37	SQ36	SQ36	F14		
250	3	252.5	202.0	40.0	37	37	SQ36	SQ36	F14		
300	4	315.0	360.0	44.8	75 / 82	75 / 82	SQ36 / Ø60	SQ36 / Ø60	F16		
350	4	355.5	400.0	34.2	82	75 / 82	Ø60	SQ36 / Ø60	F16		
400	4	377.5	420.5	31.5	82	75 / 82	Ø60	Ø60	F16		

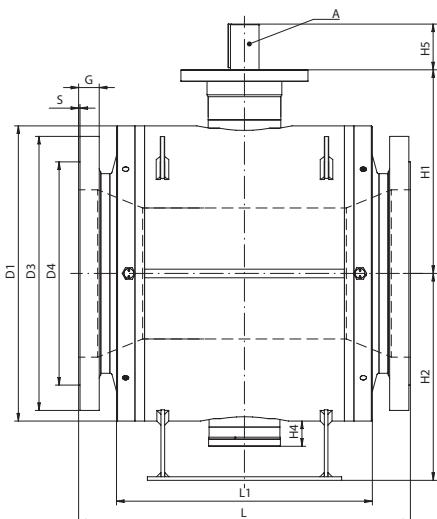
We recommend to add a BROEN gear, see page 96-98.

Trunnion mounted steel ball valve
DN500-1000, PN40/25/16

Type
Reduced bore
Flange x Flange

Product Sheet No.:

5.1 (PN40)
5.1 (PN25)
5.1 (PN16)



DN	Bore		Kvs		net Weight kg			Price EURO
	PN40/25/16		PN40/25/16		PN40	PN25	PN16	
500	386		14306		1485	1422	1396	
600	488		22354		2566	2380	2355	
700	588		32188		3505	3299	3217	
800	684		43812		5044	4757	4652	
900	780		57223		6924	7232	6212	
1000	874		72423		10584	10012	9822	

DN	All dimensions in mm													
	L	L1			D1	D3			D4			G		
	PN40/25/16	PN40	PN25	PN16	PN40/25/16	PN40	PN25	PN16	PN40	PN25	PN16	PN40	PN25	PN16
500	914	565	565	565	660	755	730	715	615	615	610	57	48	36
600	1067	705	705	705	813	890	845	840	735	720	725	72	48	40
700	1245	819	819	819	988	995	960	910	840	820	795	86	50	40
800	1372	936	976	936	1126	1140	1085	1025	960	930	900	90	53	41
900	1524	1054	1138	1054	1300	1250	1185	1125	1070	1030	1000	95	53	48
1000	2050	1214	1214	1214	1450	1360	1320	1255	1180	1140	1115	100	63	59

DN	All dimensions in mm							ISO
	S	H1		H2	H4		H5	
	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	PN40/25/16	
500	4	433		480	60		110	Ø72 F25
600	5	561		570	70		130	Ø80 F30
700	5	654		682	81		130	Ø100 F30
800	5	806		790	109		200	Ø120 F35
900	5	890		900	107		198	Ø120 F35
1000	5	941		1000	117		183	Ø140 F40

We recommend to add a BROEN gear, see page 96-98.

The synergy of configuring the right gear to the task and making a ball valve operate seamlessly for years is a specialist task and with our experience and know-how, our in-house experts strive to deliver ready solutions, that will operate with a minimum of downtime.

We know, that the ready solutions that operate with a minimum of time is a core function for customers' applications.

We counsel and advise our customers all the way to ensure, that valve, gears and cabling are optimized to each other and we deliver regulated and commissioned valves to validate the operation of the valves.

BROEN is able to deliver valves with electric or hydraulic actuators, as well as manual gears from any proven supplier.

In case you have a special requests we can deliver the solution.

For further information please get in contact with the BROEN Ballomax® sales department.



Accessories	Dimension	Description
	DN150-1000	Columns.
	DN150-1000	BROEN-Gear.
	DN150-1000	BROEN-Gear, Electric gear.
	DN150-1000	Lubrication fitting NPT.
	DN150-1000	Drain ball valve and pipe for Double Block and Bleed (DBB) with the following valve options DN25 - 32 - 40 - 50.
	DN150-1000	Base.

BROEN Butterfly valves

BROEN triple eccentric butterfly valves for district heating offer a safe and modern construction for use as a shut-off valve and regulating valve in district heating and district cooling systems, but is also in operation in oil, gas and steam applications.

The triple eccentric butterfly valves have a metal/metal sealing available. This concept means there is no traffic friction during opening and closing of the butterfly valve. The disc loses contact with the seat immediately after the start of opening.

The valve features Class A tightness in both flow directions at a low closing torque and efficient opening at the maximal differential pressure. This secures a long life of the seal.

The safe and robust construction requires minimal service, and any gear or actuators can be changed without operational interruption.

In addition to its shut-off function this valve may be used as a regulating (control) valve. The mechanical worm gearboxes mounted on the butterfly valves are fitted with a disc opening angle indicator.

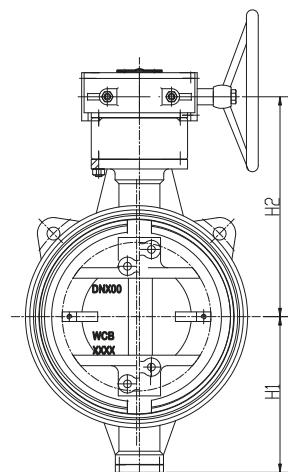


- All CE-marked valves are approved according to PED 2014/68/EU - module H
- Triple eccentric butterfly valve with metal/metal sealing
- Highest Class A tightness - EN 12266
- No periodic service
- Gearbox or actuator can be changed without removing the valve from the pipeline
- Vertical and horizontal installation
- Temperatur -30°C til +425°C

Butterfly valve DN80-1000, PN25

Type 65102
Welding x Welding
with BROEN-Gear

Product Sheet No.:

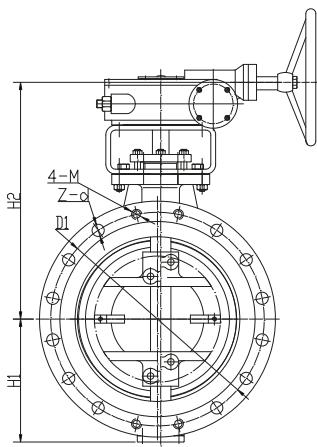


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm				ISO	Price USD/pc.
					D1	L	H1	H2		
80	6510225080GBPSS	82	164	12	89	180	85	205	F07	
100	6510225100GBPSS	106	250	22	114	190	100	225	F07	
125	6510225125GBPSS	132	414	25	140	200	110	276	F10	
150	6510225150GBPSS	159	682	32	168	210	180	296	F10	
200	6510225200GBPSS	206	1300	55	219	230	220	357	F12	
250	6510225250GBPSS	259	2200	66	273	250	240	392	F12	
300	6510225300GBPSS	308	3370	95	324	270	270	422	F14	
350	6510225350GBPSS	340	4432	150	356	290	305	473	F16	
400	6510225400GBPSS	388	6411	180	406	310	335	518	F16	
450	6510225450GBPSS	439	8660	250	457	330	365	548	F25	
500	6510225500GBPSS	488	10320	400	508	350	400	680	F25	
600	6510225600GBPSS	589	16012	640	610	390	485	730	F30	
700	6510225700GBPSS	683	25235	820	711	430	530	862	F30	
800	6510225800GBPSS	781	31771	1200	813	470	640	972	F35	
900	6510225900GBPSS	879	37594	1650	914	510	690	1040	F35	
1000	6510225001GBPSS	976	54201	1800	1016	550	760	1135	F40	

Butterfly valve DN80-1000, PN25

Type 65103
Flange x Flange
with BROEN-Gear

Product Sheet No.:



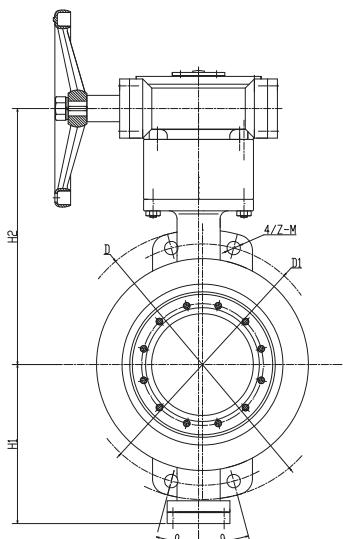
DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm				ISO	Price USD/pc.
					D	L	H1	H2		
80	6510325080GBPSS	80	164	22	200	114	100	205	F07	
100	6510325100GBPSS	105	250	32	235	127	118	225	F07	
125	6510325125GBPSS	125	414	39	270	140	135	276	F10	
150	6510325150GBPSS	155	682	45	300	140	175	296	F10	
200	6510325200GBPSS	205	1300	77	360	152	185	370	F12	
250	6510325250GBPSS	255	2200	100	425	165	220	400	F12	
300	6510325300GBPSS	305	3370	156	485	178	250	455	F14	
350	6510325350GBPSS	355	4432	200	555	190	283	515	F16	
400	6510325400GBPSS	405	6411	290	620	216	325	540	F16	
450	6510325450GBPSS	455	8660	350	670	222	345	570	F25	
500	6510325500GBPSS	505	10320	370	730	229	375	690	F25	
600	6510325600GBPSS	605	16012	530	845	267	435	750	F30	
700	6510325700GBPSS	705	25235	900	960	292	545	905	F30	
800	6510325800GBPSS	805	31771	1100	1085	318	625	975	F35	
900	6510325900GBPSS	900	37594	1250	1185	330	645	1020	F35	
1000	6510325001GBPSS	1000	54201	1900	1320	410	725	1130	F40	

**Butterfly valve
DN80-1000, PN25**

Type 65124

**Wafer type
with BROEN-Gear**

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price USD/pc.
					D	D1	D2	L	H1	H2	ISO	
80	6512425080GBPSS	80	164	10	200	160	138	64	100	195	F07	
100	6512425100GBPSS	100	250	18	235	190	162	64	110	215	F07	
125	6512425125GBPSS	125	414	25	270	220	188	70	135	270	F10	
150	6512425150GBPSS	150	682	30	300	250	218	76	175	290	F10	
200	6512425200GBPSS	200	1300	38	360	310	278	89	185	330	F12	
250	6512425250GBPSS	250	2200	60	425	370	335	114	215	375	F12	
300	6512425300GBPSS	300	3370	88	485	430	395	114	250	440	F14	
350	6512425350GBPSS	350	4432	140	555	490	450	127	285	455	F16	
400	6512425400GBPSS	400	6411	185	620	550	505	140	325	510	F16	
450	6512425450GBPSS	450	8660	240	670	600	555	152	345	550	F25	
500	6512425500GBPSS	500	10320	295	730	660	615	152	375	635	F25	
600	6512425600GBPSS	600	16012	395	845	770	720	178	430	685	F30	
700	6512425700GBPSS	700	25235	470	960	875	820	229	540	735	F30	
800	6512425800GBPSS	800	331771	710	1085	990	930	241	710	850	F35	
900	6512425900GBPSS	900	37594	840	1185	1090	1030	241	650	890	F35	
1000	6512425001GBPSS	1000	54201	1200	1320	1210	1140	300	720	920	F40	

BROEN Ballomax® Fully welded trunnion mounted steel ball valves

BROEN Ballomax® trunnion mounted ball valves are manufactured according to the strictest requirements for valves. High quality materials are – together with district heating expertise collected over several decades – the essential components of the best valves.

Trunnion valves feature a double bearing construction, which means that the ball is anchored both at the top and at the bottom. This increases the life of the seals and reduces the friction and torque significantly, when the valve is activated. Which in turn means, that savings can be achieved when choosing gear.

The energy-optimized design ensures minimal pressure loss, making the optimal choice when dimensioning for energy optimization.

Valves equipped with a drain valve – commonly called a "tell-tale valve" – ensures, that the dead space between the ball and the valve body can be emptied completely, so that it is possible to determine if the valve closes 100% tightly – hence its name Double Block and Bleed. This feature, can be further supplied with a tube and a ball valve to facilitate accessibility and operation.

Our trunnion valves are tested according to EN 12266-1 and -2, and are delivered with full traceability

The valves are designed to the highest temperature demands and are suitable for steam, super-heated water, hot water and cooling.



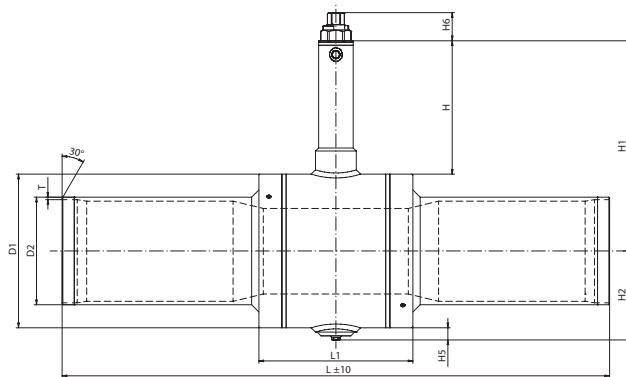
Technical features:

- Positioning indicator – ball position indicated on the top of the spindle
- Produced according to EN 488:2015
- Produced according to PED 2014/68/EU – module H
- Functional and pressure tested according to EN 12266-1 and -2
- Butt-weld ends tested according to EN 12627
- Actuator mounting flange ISO 5211
- Electronickel coated ball
- Optional stainless steel ball

Trunnion mounted steel ball valve
DN150-500, PN25

Type
Reduced bore
Welding × Welding
HEX

Product Sheet No.:



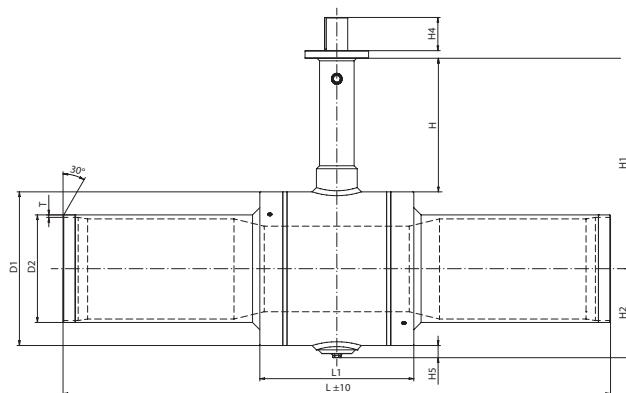
DN	Bore	Kvs	net Weight kg		Price EURO
150	126.0	2208		76	
200	152.0	2495		157	
250	201.5	4275		251	
300	253.0	6680		375	
350	304.0	9982		560	
400	336.0	13586		695	
500	386.0	18469		1238	

DN	All dimensions in mm										
	L	L1	D1	D2	T	H	H1	H2	H5	H6	HEX
150	1510	244	220.0	168.3	4.0	315	425	154	44	63	27/70
200	1510	351	273.0	218.1	4.5	329	465	187	50	63	27/70
250	1510	373	355.6	273.0	5.0	318	496	212	34	63	27/70
300	1810	451	406.4	323.9	5.6	451	655	254	51	93	50/90
350	1810	509	508.0	355.6	5.6	441	696	294	40	93	50/90
400	1810	536	558.0	406.4	6.3	438	717	317	38	93	50/90
500	1810	698	660.4	508.0	6.3	364	694	405	75	93	50/90

Trunnion mounted steel ball valve
DN150-1000, PN25

Type
Reduced bore
Welding x Welding
ISO

Product Sheet No.:



DN	Bore	Kvs	net Weight kg		Price EURO
			150	200	
150	126.0	2208		76	
200	152.0	2495		114	
250	201.5	4275		255	
300	253.0	6680		382	
350	304.0	9982		567	
400	336.0	13586		703	
500	386.0	18469		1258	
600	488.0	28858		2103	
700	588.0	41555		3423	
800	684.0	56561		5150	
900	780.0	73874		6600	
1000	874.0	93497		7348	

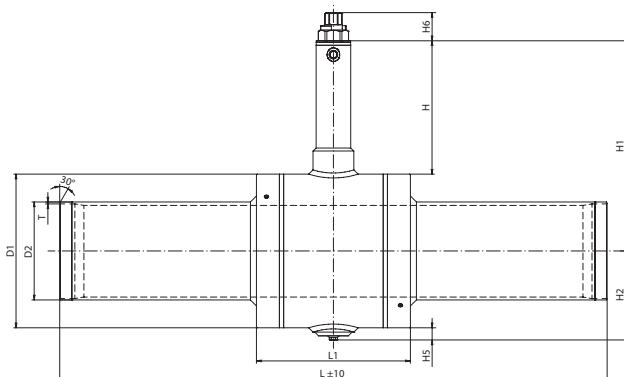
DN	All dimensions in mm										
	L	L1	D1	D2	T	H	H1	H2	H4	H5	ISO
150	1510	244	220.0	168.3	4.0	340	450	154	61	44	F14
200	1510	351	273.0	218.1	4.5	314	450	187	61	50	F14
250	1510	373	355.6	273.0	5.0	334	512	212	61	34	F14
300	1810	451	406.4	323.9	5.6	452	655	254	110	51	F16
350	1810	509	508.0	355.6	5.6	442	696	294	110	40	F16
400	1810	536	558.0	406.4	6.3	439	718	316	110	38	F16
500	1810	698	660.4	508.0	6.3	364	695	405	111	75	F25
600	2200	750	813.0	610.0	7.1	500	907	480	111	74	F25
700	2500	890	988.0	711.0	8.0	550	1044	575	130	81	F30
800	2500	1078	1126.0	813.0	8.8	600	1163	693	203	130	F35
900	2500	1184	1281.0	914.0	10.0	600	1241	779	203	115	F35
1000	2500	1274	1432.0	1016.0	11.0	600	1316	859	242	134	F40

Trunnion mounted steel ball valve
DN150-400, PN25

Type
Full bore

Welding Welding
HEX

Product Sheet No.:



DN	Bore		Kvs		net Weight kg				Price EURO
	150	200	250	300	350	400			
150	152.0		4223			113			
200		201.5		7264			221		
250		253.0		12804			341		
300		304.0		21346			552		
350		336.0		26976			661		
400		386.0		34414			1131		

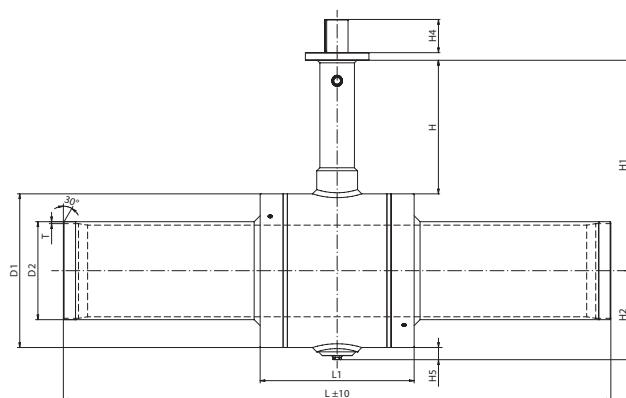
DN	All dimensions in mm										
	L	L1	D1	D2	T	H	H1	H2	H5	H6	HEX
150	1510	278	273.0	168.3	4.0	332	450	187	50	63	27/70
200	1510	351	355.6	219.1	4.5	318	496	212	34	63	27/70
250	1810	447	406.4	273.0	5.0	451	655	254	51	93	50/90
300	1810	509	508.0	323.9	5.6	441	696	294	40	93	50/90
350	1810	536	558.0	355.6	5.6	438	717	317	38	93	50/90
400	1810	670	660.4	406.4	6.3	364	694	405	75	93	50/90

Trunnion mounted steel ball valve
DN150-1000, PN25

Type
Full bore

Welding \times Welding
ISO

Product Sheet No.:



DN	Bore	Kvs	net Weight kg	Price EURO
150	152.0	4223	119	
200	201.5	7264	224	
250	253.0	12804	349	
300	304.0	21346	560	
350	336.0	26976	669	
400	386.0	34414	1150	
500	488.0	55005	1977	
600	588.0	97806	3172	
700	684.0	132349	4902	
800	780.0	172535	5950	
900	874.0	218364	8390	
1000	976.0	269586	11940	

DN	All dimensions in mm										
	L	L1	D1	D2	T	H	H1	H2	H4	H5	ISO
150	1510	278	273.0	168.3	4.0	345	482	187	61	51	F14
200	1510	351	355.6	219.1	4.5	334	512	211	61	33	F14
250	1810	447	406.4	273.0	5.0	452	655	254	110	51	F16
300	1810	509	508.0	323.9	5.6	442	696	294	110	40	F16
350	1810	536	558.0	355.6	5.6	439	718	316	110	38	F16
400	1810	670	660.4	406.4	6.3	364	695	405	111	75	F25
500	2200	758	813.0	508.0	6.3	500	907	480	111	74	F25
600	2200	890	988.0	610.0	7.1	550	1044	575	130	81	F30
700	2500	1058	1126.0	711.0	8.0	600	1163	693	203	130	F35
800	2500	1124	1281.0	813.0	8.8	600	1241	779	203	115	F35
900	2500	1214	1432.0	914.0	10.0	600	1316	859	242	134	F40
1000	2500	1346	1640.0	1016.0	11.0	600	1420	959	242	134	F40

Underground valves – BROEN Ballomax® ball valves for pre-insulation

Underground installations put great demands on the construction of the stations and the choice of components - and on accurate distribution and control of the flow to remotely located branches of existing district heating systems. Reliability and optimum flow characteristics are important to secure and maintain the flow of energy.

BROEN supplies well-proven and thoroughly tested valve solutions and valve technology to energy companies and leading contractors in the entire district heating sector – world-wide.

The innovative heritage from Danish district heating and BROEN's longstanding experience with the development and manufacture of valves for district heating and cooling have made BROEN Ballomax® a key component in district heating stations worldwide.

Apart from the widest complete product range, we continue to set a quality footprint in valve technology – fulfilling the toughest standards in the market. We even go beyond this and this spring our EN488 valves were certified according to EHP003, further stressing our non-compromising attitude to valve technology.

Manufacturing valves based on 30 years of application know-how and the heritage from Danish district heating we now also can certify our ball valves – both floating and trunnion mounted – are still benefitting from the best design in the industry and of course they now also fulfill EN488:2015 (EHP003) – a certification that only a few other manufacturers can claim.

The key features for BROEN Ballomax® ball valves are

- Improved lifetime and minimal maintenance
- Safety and reliability
- Stainless collar for improved quality and lifetime
- DN25-500
- PN25
- PED 2014/68/EU - Module H
- EN 12226 Part 1 and 2
- EN 488:2015 (EHP003)

Ever since BROEN was established our passion for valve technology has been our core competence.

Our brand is our promise.



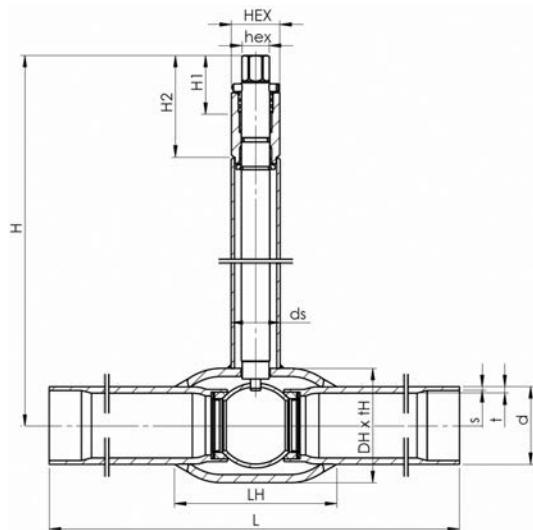
Technical features:

- Modern and safe structure, not requiring an additional service
- 100% quality control (according to PN-EN 12266:2012 norm)
- Ball made of stainless steel
- Fully welded ball valve for underground service according to EN 488. Isolating valve for heating systems, district heating, cooling and industrial purposes
- Spindle double sealing - O-ring (EPDM), VITON
- Application: heat distribution, networks, air conditioning and industrial installations (group 2 media - water, air, oils, etc.). Not suitable for steam

Ball valve for pre-insulation
DN20-200, PN25

Type 67102**Reduced bore****Welding x Welding**

Product Sheet No.:

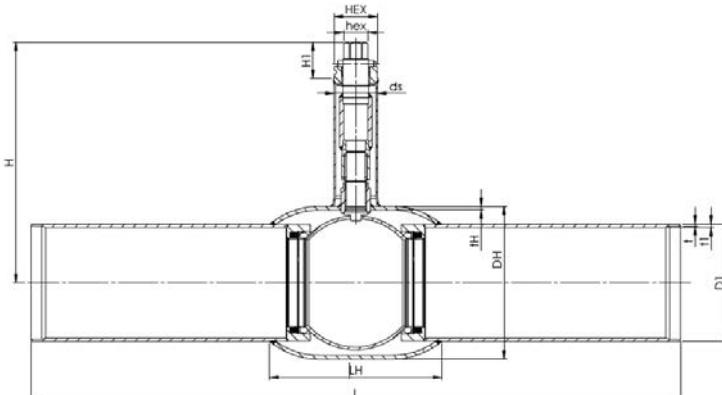


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO
					D	L	H	H1	H2	d	s	t	LH	DH	tH	ds	HEX	
20	67102020S617500	20	-	6.0	20	1510	480	29	79	26.9	2.6	3.2	97	51	5.0	38	19	
25	67102025S696800	20	27	5.6	32	1510	480	29	79	33.7	2.6	4.0	97	51	5.6	38	19	
32	67102032S696900	25	40	6.7	25	1510	485	29	79	42.4	2.6	4.0	99	57	5.6	38	19	
40	67102040S697000	32	69	12.7	32	1510	495	29	79	48.3	2.6	5.6	111	76	6.3	38	19	
50	67102050S697100	40	110	14.3	40	1510	500	29	79	60.3	2.9	5.0	126	89	6.3	38	19	
65	67102065S697200	50	180	19.0	50	1510	504	29	79	76.1	2.9	5.0	158	108	7.1	38	19	
80	67102080S604000	65	288	25.5	65	1510	515	29	79	88.9	3.2	5.6	173	127	8.0	38	19	
100	67102100S604100	80	470	37.0	80	1510	525	50	101	114.3	3.6	6.3	198	152	8.0	57	27/70	
125	67102125S604200	100	699	45.0	100	1510	545	63	113	139.7	3.6	6.3	221	178	8.0	76	27/70	
150	67102150S604300	125	1046	65.0	125	1510	565	63	113	168.3	4.0	7.1	243	219	8.8	76	27/70	
200	67102200S604400	150	1500	99.0	150	1510	585	88	143	219.1	4.5	8.0	317	267	8.8	76	50/90	

Ball valve for pre-insulation
DN250-400, PN25

Type 87042**Reduced bore****Welding x Welding**

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO
					D	L	H	H1	D1	t	t1	LH	DH	tH	ds	HEX		
250	8704225250 070	200	5300	130.0	200	1510	560	80	273.0	5.0	8.0	400	356	8.8	102	50/90		
300	8704225300 070	250	8200	206.0	250	1810	610	85	323.9	5.6	8.8	506	457	10.0	102	50/90		
350	8704225350 070	250	8900	219.0	250	1810	610	85	355.6	5.6	8.0	516	457	10.0	102	50/90		
400	8704225400 070	300	13700	322.0	322	1810	793	80	406.4	6.3	10.0	609	508	12.5	133	50/90		

**Ball valve for pre-insulation
DN125-200, PN25**

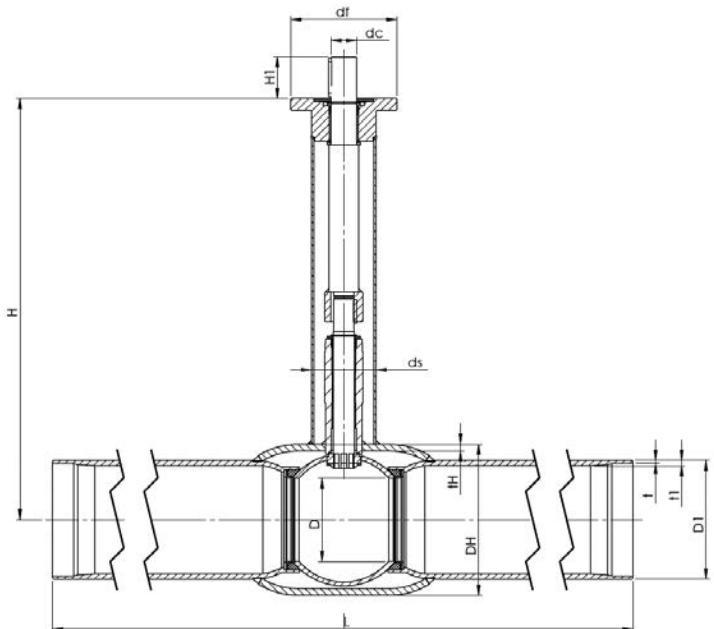
Type 67102

Reduced bore

Welding x Welding

with ISO flange for gear mounting

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO
					D	L	H	H1	D1	t	t1	DH	tH	ds	dc	df	ISO	
125	67102125S707200	100	699	45.0	98	1510	443	49	139.7	3.6	6.3	178	8.0	76	30	125	F10	
150	67102150S707300	125	1046	62.5	122	1510	476	49	168.3	4.0	7.1	219	8.0	76	30	125	F10	
200	67102200S707400	150	1500	99.0	146	1510	499	60	219.1	4.5	8.0	267	8.8	76	30	150	F12	

**Ball valve for pre-insulation
DN250-350, PN25**

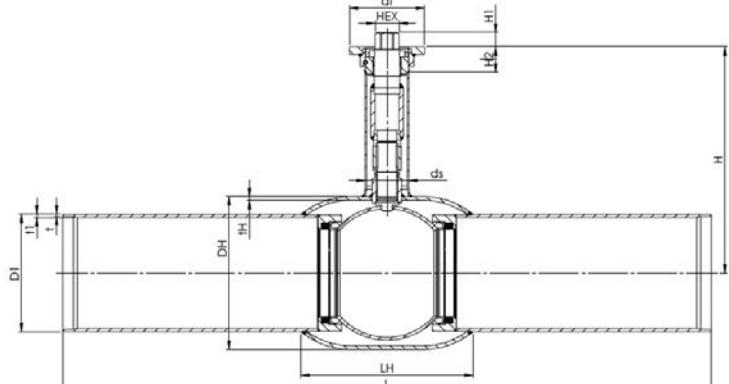
Type 87042

Reduced bore

Welding x Welding

with ISO flange for gear mounting

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO	
					D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	df	HEX	ISO
250	8704225250 300	200	5300	140.9	200	1510	527	33	60	273.0	5.0	8.0	400	356	8.8	102	175	50	F14
300	8704225300 300	250	8200	219.4	250	1810	577	33	60	323.9	5.6	8.8	506	457	10.0	102	210	50	F16
350	8704225350 300	250	8900	226.7	250	1810	577	33	60	355.6	5.6	8.0	516	457	10.0	102	210	50	F16

Ball valve for pre-insulation DN400-500, PN25

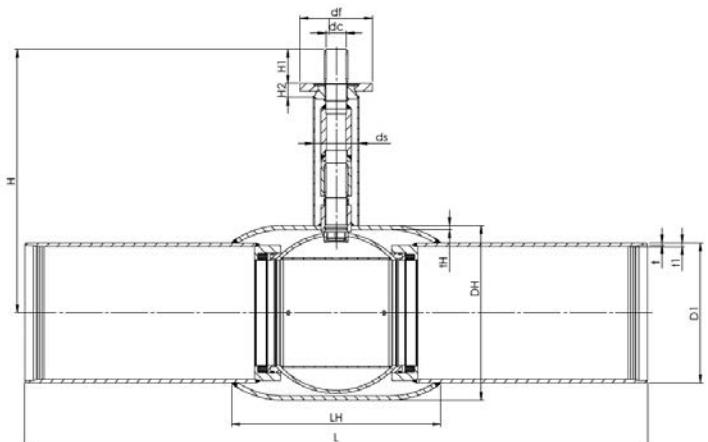
Type 87042

Reduced bore

Welding x Welding

with ISO flange for gear mounting

Product Sheet No.:



					All dimensions in mm														Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	dc	df	ISO
400	8704225400 300	300	13700	338.0	305	1810	767	99	41	406.4	6.3	10.0	609	508	12.5	133	60	210	F16
500	8704225500 300	400	20300	432.0	400	1125	790	109	52	508.0	6.3	11.0	729	660	12.5	219	80	350	F30

Ball valve for pre-insulation DN125-500, PN25

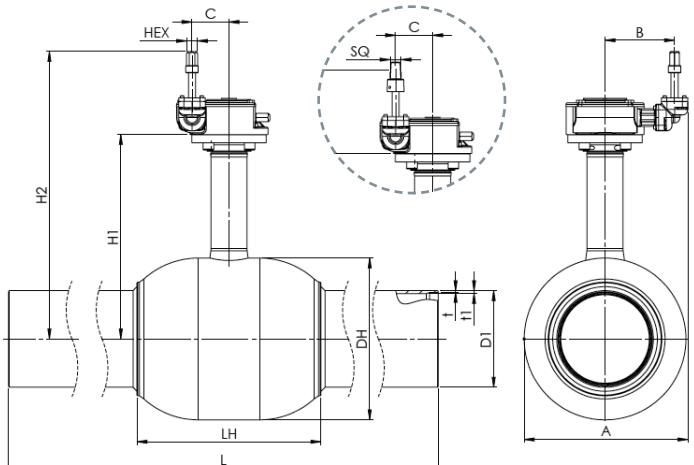
Type 67102 / 87042

Reduced bore

Welding x Welding

with ISO flange and BROEN-Gear

Product Sheet No.:



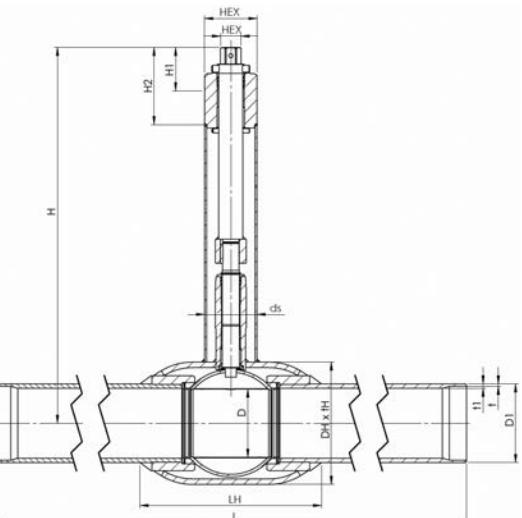
					All dimensions in mm														Price EURO
DN	BROEN No. HEX	Bore	Kvs	net Weight kg	L	LH	DH	D1	t	t1	H1	H2 HEX	H2 SQ	A	B	C	HEX	SQ	
125	67102125S718900	100	699	58.0	1510	221	178	139.7	3.6	6.3	545	670	700	247	170	71	27	27/32	
150	67102150S719100	125	1046	76.0	1510	243	219	168.3	4.0	7.1	477	703	733	268	170	71	27	27/32	
200	67102200S719600	150	1500	108.0	1510	317	267	219.1	5.0	8.0	500	726	756	292	170	71	27	27/32	
250	8704225250 540	200	5300	150.0	1510	400	356	273.0	5.0	8.0	527	755	783	396	181	86	27	27/32	
300	8704225300 540	250	8200	217.0	1810	506	457	323.9	5.6	8.8	577	812	840	463	197	105	27	27/32	
350	8704225350 540	250	8900	230.0	1810	516	457	355.6	5.6	8.0	577	812	840	463	197	105	27	27/32	
400	8704225400 540	300	13700	382.0	1810	609	508	406.4	6.3	10.0	668	910	938	627	336	130	27	27/32	
500	8704225500 540	400	20300	502.0	1810	729	660	508.0	6.3	11.0	681	927	955	756	388	182	27	27/32	

Item numbers of valves with SQ on the top of gearbox on request.

Ball valve for pre-insulation DN25-150, PN25

Type 97102**Full bore****Welding × Welding**

Product Sheet No.:

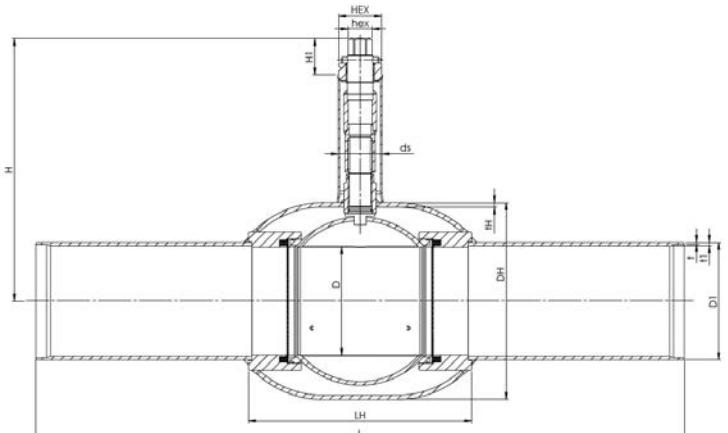


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO
					D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	HEX	
25	9710225025 000	25	27	7.7	25	1510	485	30	79	33.7	2.6	4.0	90	57.0	5.6	38.0	19	
32	9710225032 000	32	40	9.4	32	1510	495	30	79	42.4	2.6	4.0	102	76.1	5.6	38.0	19	
40	9710225040 000	40	69	12.0	40	1510	500	30	79	48.3	2.6	5.6	116	88.9	6.3	38.0	19	
50	9710225050 000	50	110	17.6	50	1510	504	30	79	60.3	2.9	5.6	147	108.0	6.3	38.0	19	
65	9710225065 000	65	180	21.6	65	1510	515	30	79	76.1	2.9	5.6	162	127.0	7.1	38.0	19	
80	9710225080 000	80	288	26.6	80	1510	525	35	89	88.9	3.2	5.6	188	152.4	8.0	57.0	27/70	
100	9710225100 000	100	470	44.6	100	1510	545	38	112	114.3	3.6	6.3	210	177.8	8.0	76.1	27/70	
125	9710225125 000	125	699	58.7	125	1510	565	38	112	139.7	3.6	6.3	240	219.1	10.0	76.1	27/70	
150	9710225150 000	150	1046	79.5	150	1510	585	63	135	168.3	4.0	7.1	310	267.0	10.0	76.1	50/90	

Ball valve for pre-insulation DN200-350, PN25

Type 88242 / 88042**Full bore****Welding × Welding**

Product Sheet No.:



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm													Price EURO
					D	L	H	H1	D1	t	t1	LH	DH	tH	ds	HEX		
200	8824225200 070	200	9200	134.0	200	1510	560	80	219.1	5.0	8.0	415	355.6	8.8	102	50/90		
250	8824225250 070	250	13500	196.0	250	1510	610	85	273.0	5.0	8.0	520	457.0	10.0	102	50/90		
300	8804225300 070	300	21600	322.0	305	1810	793	85	323.9	5.6	8.0	622	508.0	12.5	133	50/90		
350	8804225350 070	300	-	322.0	305	1810	793	85	355.6	5.6	8.0	622	508.0	12.5	133	50/90		

**Ball valve for pre-insulation
DN125-150, PN25**

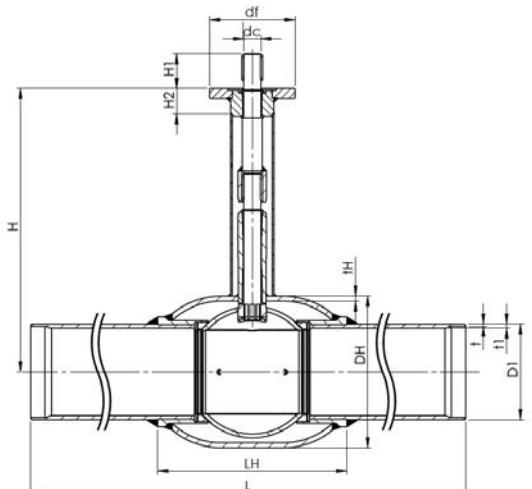
Type 97102

Full bore

Welding x Welding

with ISO flange for gear mounting

Product Sheet No.:



					All dimensions in mm														Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	dc	df	ISO
125	9710225125S3426	125	1841	69.7	122	1510	526	49.5	45	139.7	3.6	6.3	240	219.1	8.0	76.1	30	125	F10
150	9710225150S3427	150	2652	79.5	146	1510	500	60.0	46	168.3	4.0	7.1	332	267.0	8.8	76.1	30	150	F12

**Ball valve for pre-insulation
DN200-250, PN25**

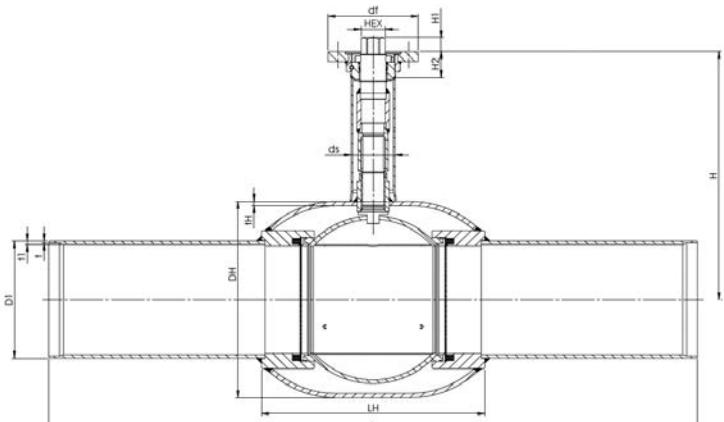
Type 88242

Full bore

Welding x Welding

with ISO flange for gear mounting

Product Sheet No.:



					All dimensions in mm														Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	df	HEX	ISO
200	8824225200 300	200	9200	137.0	200	1510	527	33.5	61	219.1	5.0	8.0	415	355.6	8.8	102	175	50	F14
250	8824225250 300	250	13500	201.5	250	1510	592	85.0	61	273.0	5.0	8.8	609	457.0	10.0	108	210	50	F16

Ball valve for pre-insulation DN300-400, PN25

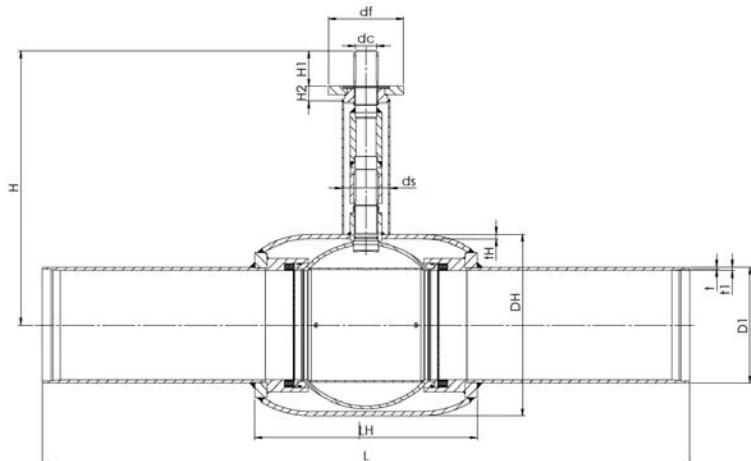
Type 88042

Full bore

Welding × Welding

with ISO flange for gear mounting

Product Sheet No.:



					All dimensions in mm														Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	D	L	H	H1	H2	D1	t	t1	LH	DH	tH	ds	dc	df	ISO
300	8804225300 300	300	21600	325.0	305	1810	767	99	41	323.9	5.6	8.8	622	508	12.5	133.0	60	210	F16
350	8804225350 300	300	-	320.0	305	1810	679	99	52	355.6	5.6	8.8	622	508	12.5	133.0	60	210	F16
400	8804225400 300	400	-	531.0	400	1810	790	109	52	406.4	6.3	10.0	754	660	12.5	219.1	80	350	F30

Ball valve for pre-insulation DN125-400, PN25

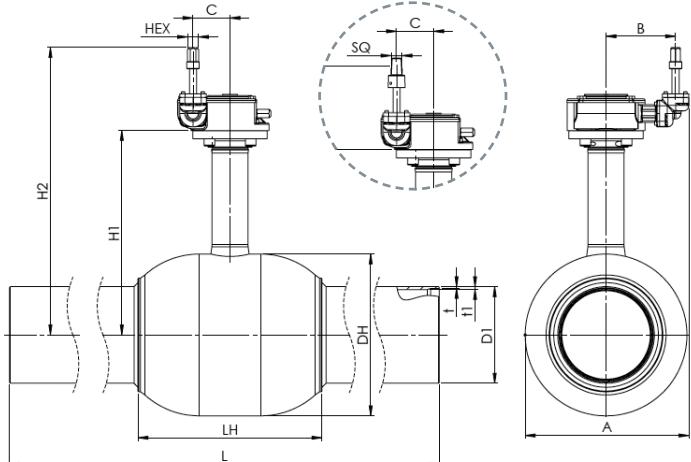
Type 97102 / 88242 / 88042

Full bore

Welding × Welding

with ISO flange and BROEN-Gear

Product Sheet No.:



					All dimensions in mm														Price EURO
DN	BROEN No. HEX	Bore	Kvs	net Weight kg	L	LH	DH	D1	t	t1	H1	H2 HEX	H2 SQ	A	B	C	HEX	SQ	
125	9710225125S7350	125	699	69.0	1510	288	219	139.7	3.6	6.3	476	730	702	317	170	71	27	27/32	
150	9710225150S7351	150	1046	104.0	1510	310	267	168.3	4.0	7.1	499	754	726	341	170	71	27	27/32	
200	8824225200 540	200	9200	154.0	1510	415	356	219.1	5.0	8.0	527	755	783	451	181	86	27	27/32	
250	8824225250 540	250	13500	207.0	1510	609	457	273.0	5.0	8.0	592	812	840	463	234	105	27	27/32	
300	8804225300 540	300	21600	369.0	1810	622	508	323.9	5.6	8.8	556	909	938	668	336	130	27	27/32	
350	8804225350 540	350	-	363.0	1810	622	508	355.6	5.6	8.0	556	909	938	668	336	130	27	27/32	
400	8804225400 540	400	-	601.0	1810	754	660	406.4	6.3	10.0	681	927	955	756	388	182	27	27/32	

Item numbers of valves with SQ on the top of gearbox on request.

Service ball valve DN25-50, PN40/25/16

Type 60101
Reduced bore
Female × Welding

Product Sheet No.:

			All dimensions in mm										Price EURO
DN	BROEN No.	net Weight kg	D	L	L1	L2	DH	D1	t	RG	H		
25	60101025S141800	1.4	20	345	45.0	275.0	51.0	33.7	2.6	1"	73		
32	60101032S141900	2.3	25	345	52.5	267.5	57.0	42.4	2.6	1 1/4"	77		
40	60101040S092900	2.5	32	345	60.0	260.0	76.1	48.3	2.6	1 1/2"	90		
50	60101050S093000	3.5	39	362	72.5	264.5	88.9	60.3	2.9	2"	97		

Service valve, valve body in stainless steel, AISI 304 (EN 1.4301), welding end steel P235GH.

Service ball valve DN25-50, PN40/25/16

Type 60101
Reduced bore
Female × Welding

Product Sheet No.:

			All dimensions in mm										Price EURO
DN	BROEN No.	net Weight kg	D	L	L1	L2	DH	D1	t	RG	H		
25	60101025S267000	1,4	20	410	45	340	51	33,7	2,6	1"	73		
32	60101032S267100	1,9	25	410	53	333	57	42,4	2,6	1 1/4"	77		
40	60101040S267200	2,3	32	410	85	325	76	48,3	2,6	1 1/2"	90		
50	60101050S267300	3,8	40	500	73	403	89	60,3	2,9	2"	96		

Service valve, valve body in stainless steel, AISI 304 (EN 1.4301), welding end steel P235GH.

Service ball valve DN25/50/80, PN40/25/16

Type 60101
Reduced bore
Female × Welding

Product Sheet No.:

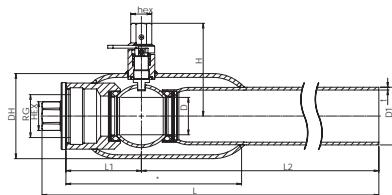
			All dimensions in mm										Price EURO
DN	BROEN No.	net Weight kg	D	L	L1	L2	DH	D1	t	RG	H		
25	60101025S338300	1.8	20	363	62.0	275	51.0	33.7	2.6	1"	73		
50	60101050S338400	5.2	39	368	62.6	264	88.9	60.3	2.9	2"	97		
80	60101080S319600	5.5	63	387	106.1	350	133.0	88.9	3.2	3"	145		

Service valve, valve body in stainless steel, AISI 316 Ti (EN 1.4571), welding end steel P235GH, glass bead blasted.

Service ball valve DN25/50/80, PN40/25/16

Type 60101
Reduced bore
Female x Welding

Product Sheet No.:



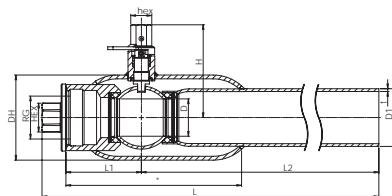
			All dimensions in mm										Price EURO
DN	BROEN No.	net Weight kg	D	L	L1	L2	DH	D1	t	RG	H		
25	60101025S384000	3.2	20	1025	62.6	937	51.0	33.7	2.6	1"	73		
50	60101050S384100	7.8	39	1025	78.8	921	88.9	60.3	2.9	2"	97		
80	60101080S384200	9.2	63	1031	106.1	894	133.0	88.9	3.2	3"	145		

Service valve, valve body in stainless steel, AISI 316 Ti (EN 1.4571), welding end steel P235GH, glass bead blasted. **Length 1000 mm.**

Service ball valve DN50, PN40/25/16

Type 60101
Full bore
Female x Welding

Product Sheet No.:



			All dimensions in mm										Price EURO
DN	BROEN No.	net Weight kg	D	L	L1	L2	DH	D1	t	RG	H		
50	60101050S335100	7.0	39	520	95	400	108	60.3	2.9	2"	135.5		

Service valve, valve body in stainless steel, AISI 316 Ti (EN 1.4571), welding end steel P235GH, glass bead blasted.

Flex extension - DN20-150

Type 66062

Product Sheet No.:



DN		BROEN No.	Length - mm	Nv	Price EURO
Full bore	Reduced bore				
25-65	20-80	66062020S314200	500	19	
25-65	20-80	66062020S205900	1000	19	
25-65	20-80	66062020S306800	2000	19	
80-125	100-150	66062100S314300	500	27	
80-125	100-150	66062100S206000	1000	27	
80-125	100-150	66062100S306700	2000	27	

Flex extender - Steel + PVC proction tube. All flex extenders can be shortened when needed.

Flex extension - DN80-300

Type 66062

Product Sheet No.:



DN		BROEN No.	Length - mm	Nv	Price EURO
Full bore	Reduced bore				
80-125	100-150	66062150S314000	500	27/70	
80-125	100-150	66062150 250	1000	27/70	
80-125	100-150	66062150 260	2000	27/70	
150-250	200-350	66062250S314100	500	50/90	
150-250	200-350	66062250 250	1000	50/90	
150-250	200-350	66062250 260	2000	50/90	

Flex extender with hexagonal fixed support - Steel + Stainless steel protection tube. All flex extenders can be shortened when needed.

Universal allen key
for both isolating and service valves

Type 372...

Product Sheet No.:

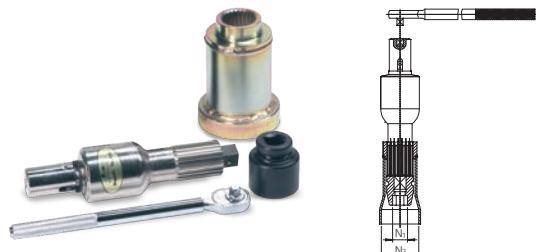


BROEN No.	NET-Price EURO
3723S60	

BROEN-Gear
Portable gear
DN80-350

Type 66361

Product Sheet No.:



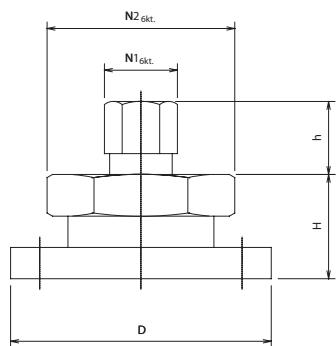
DN		Type	BROEN No.	N1	N2	Max. moment Nm	NET-Price EURO
Full bore	Reduced bore						
80-125	100-125	MP II	66361100 060	27	70	800	
150-200	150-250	MP II	66361250 070	50	90	1800	
150-250	150-350	MP III	66361400 080	50	90	6000	

BROEN Portable gear. Can also be used with a flex extender with stainless steel protective pipe.

**Adapter ISO → HEX
for valves
DN100-200**

Type 66261

Product Sheet No.:

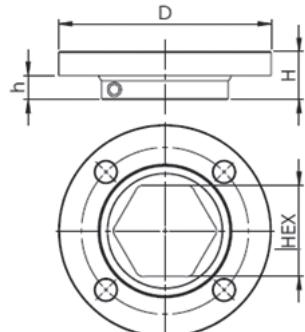


DN		BROEN No.	All dimensions in mm			N1 (HEX)	N2 (HEX)	ISO	Price EURO
Full bore	Reduced bore		D	H	h				
100	125	66261100 050	90	45	30	27	60	F07	
100	125	66261100 060	90	45	30	27	70	F07	
100	125	66261100 080	90	45	30	27	90	F07	
125	150	66261150 050	125	50	35	27	60	F10	
125	150	66261150 060	125	50	35	27	70	F10	
125	150	66261150 080	125	50	35	27	90	F10	
150	200	66261200 050	150	60	35	27	60	F12	
150	200	66261200 060	150	60	35	27	70	F12	
150	200	66261200 080	150	60	35	27	90	F12	

**Adapter HEX → ISO
for valves
DN200-300**

Type 337... /338...

Product Sheet No.:

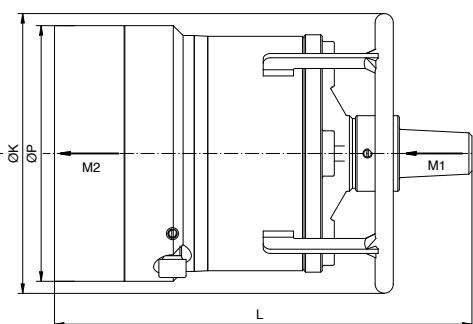


DN		BROEN No.	All dimensions in mm			HEX	ISO	Price EURO
Full bore	Reduced bore		D	H	h			
200	250	337815	175	46	29	90	F14	
250	300	338816	210	48	24	90	F16	

BROEN-Gear
Planetary gear
DN80-400

Type 500... / PO27...

Product Sheet No.:



DN		BROEN No.	All dimensions in mm					Square	NET-Price EURO
Full bore	Reduced bore		M1	M2	L	ØK	ØP		
80-125	100-150	500249	50	1000	267	185	169	27/32	
150-250	200-350	PO27-1110000	100	2000	276	185	169	27/32	
300-350	400	PO27-2110000	200	6000	331	258	198	27/32	

BROEN Planetary gear. Can also be used with a flex extender with stainless steel protective pipe. * Operated with square key.

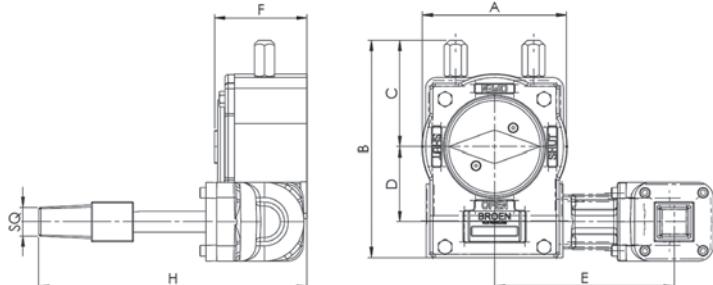
Example of valve with
flex extender and
planetary gear.



BROEN-Gear
Bevel gear
DN125-500

Type 60059

Product Sheet No.:



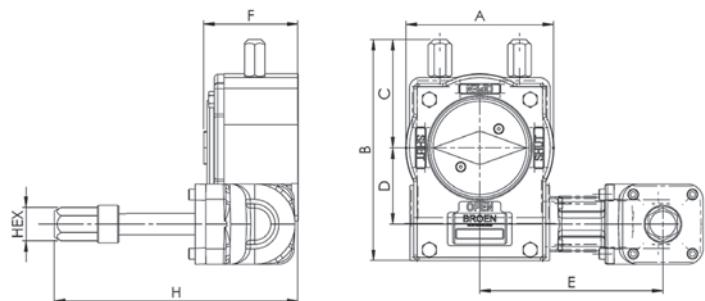
DN		BROEN No.	net Weight kg	All dimensions in mm								SQ	ISO	Price EURO
Full bore	Reduced bore			A	B	C	D	E	F	H				
125	150	600591	13.0	127	206	101	71	171	88	255	27	F10		
150	200	600591	13.0	127	206	101	71	171	88	255	27	F12		
200	250	600592	17.0	200	240	114	85	181	93	257	27	F14		
250	300-350	600593	26.0	220	264	116	105	197	102	235	27	F16		
300-350	400	600594	43.0	285	323	143	130	336	123	269	27	F16		
400	500	600595	68.0	370	408	170	182	388	139	274	27	F30		

Only for use on valves with ISO flange.

BROEN-Gear
Bevel gear
DN125-500

Type 60065

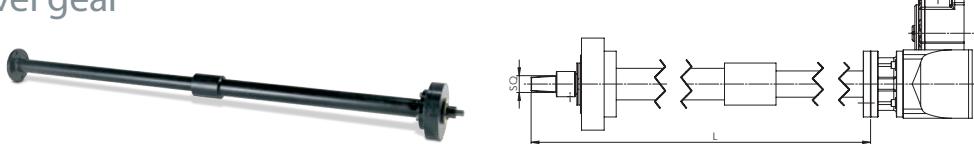
Product Sheet No.:



DN		BROEN No.	net Weight kg	All dimensions in mm								Price EURO
Full bore	Reduced bore			A	B	C	D	E	F	H	HEX	
125	150	600651	13.0	127	206	101	71	171	88	227	27	F10
150	200	600651	13.0	127	206	101	71	171	88	227	27	F12
200	250	600652	17.0	200	240	114	85	181	93	229	27	F14
250	300-350	600653	26.0	220	264	116	105	197	102	263	27	F16
300-350	400	600654	43.0	285	323	143	130	336	123	242	27	F16
400	500	600655	68.0	370	408	170	182	388	139	246	27	F30

Only for use on valves with ISO flange.

Telescopic extension for Bevel gear
DN200-500

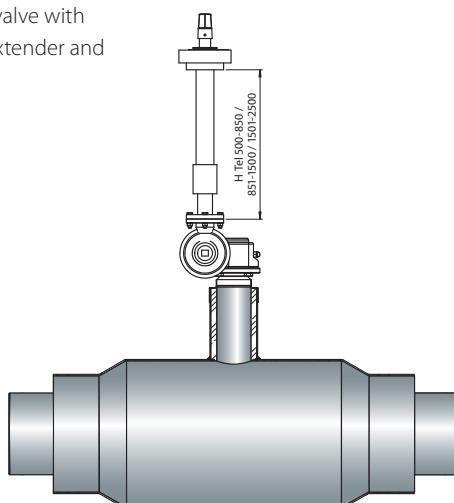
Type 500...

Product Sheet No.:

DN	BROEN No.	Length - cm	Square - SQ	Price EURO
200-500	500114	500-850	27/32	
200-500	500115	851-1500	27/32	
200-500	500152	1501-2500	27/32	

BROEN Telescopic extender for Bevel gear, only for square.

Example of valve with
telescopic extender and
angle gear.



**Ballomax® Repair set
DN20-200****Type 60026**

Product Sheet No.:



DN - Hexagon with fixed support		BROEN No.	NET-Price EURO
Full bore	Reduced bore		
25-65	20-80	600262	
80	100	600263	
100-125	125-150	600264	
150	200	600269	

Reserve box, contains gasket set for stem and tool for replacement.

**Ballomax® Repair set
DN150-500****Type 60026**

Product Sheet No.:

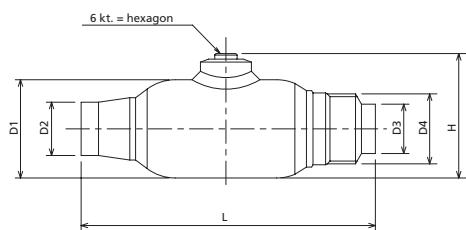


DN - ISO-flange		BROEN No.	NET-Price EURO
Full bore	Reduced bore		
150	200	600266	
200-250	250-300	600265	
300	400	600267	
400	500	600268	

Reserve box, contains gasket set for stem and tool for replacement.

Hot tap valve DN15-100, PN25

Type 68102
Reduced bore
Welding × Welding



Product Sheet No.: 9.1

DN	BROEN No.	Bore	Kvs	net Weight kg	Hex.	Drill size	All dimensions in mm							Price EURO
							Rec. RPM	L	H	D1	D2	D3	D4	
15	68102015 000	15	8	0.6	5	14	400	127	53	42.4	23	21.3	G 7/8	
20	68102020 000	15	15	0.6	5	14	400	127	53	42.4	23	26.9	G 7/8	
25	68102025 000	20	27	0.9	5	19	300	143	63	51.0	28	33.7	G 1 1/8	
32	68102032 000	25	40	1.2	5	24	300	145	68	57.0	33	42.4	G 1 1/2	
40	68102040 000	32	69	1.8	7	30	250	178	96	76.1	42	48.3	G 1 3/4	
50	68102050 000	39	110	3.2	7	37	200	198	107	88.9	52	60.3	G 2 1/4	
65	68102065 000	49	180	3.8	8	48	200	205	118	108	64	76.1	M 64×2	
80	68102080 000	63	288	5.2	8	60	150	200	137	127	80	88.9	M 76×2	
100	68102100 000	78	470	9.3	10/12*	76	125	225	163	152	97	114.3	M 95×2	

* 10 mm hex. key to operate pipe plug, 12 mm key to operate valve.

Hot tap tool DN15-50 - DN65-100, PN25

Type 68500
Hot tap tool

Product Sheet No.: 9.2



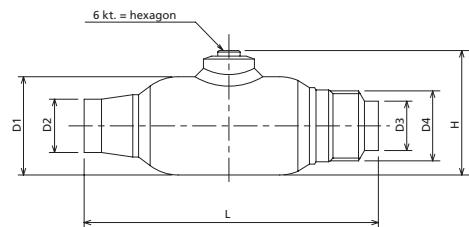
DN	BROEN No.	Description	NET-Price EURO
15-50	68500015 000	Hot tap tool with case	
65-100	68500100 000	Supplementary set	

Hot tap valve DN20-50, PN25

Type 68602

Full bore

Welding × Welding



Product Sheet No.: 10.1

All dimensions in mm												Price EURO	
DN	BROEN No.	Bore	Kvs	net Weight kg	Hex.	Drill size	Rec. RPM	L	H	D1	D2	D3	D4
20	68602020 000	20	57	1.1	5	19	400	143	60	51.2	28	26.9	G 1½
25	68602025 000	25	81	1.5	5	24	300	145	67	56.0	33	33.7	G 1½
32	68602032 000	32	133	2.2	5	30	300	178	92	76.0	42	42.4	G 1¼
40	68602040 000	39	229	3.5	7	37	250	198	103	88.0	52	48.3	G 2¼
50	68602050 000	50	295	5.5	8	48	200	231	172	108.0	64	60.3	G 2½

Hot tap tool DN20-50, PN25

Type 68500

Hot tap tool

Product Sheet No.: 10.2

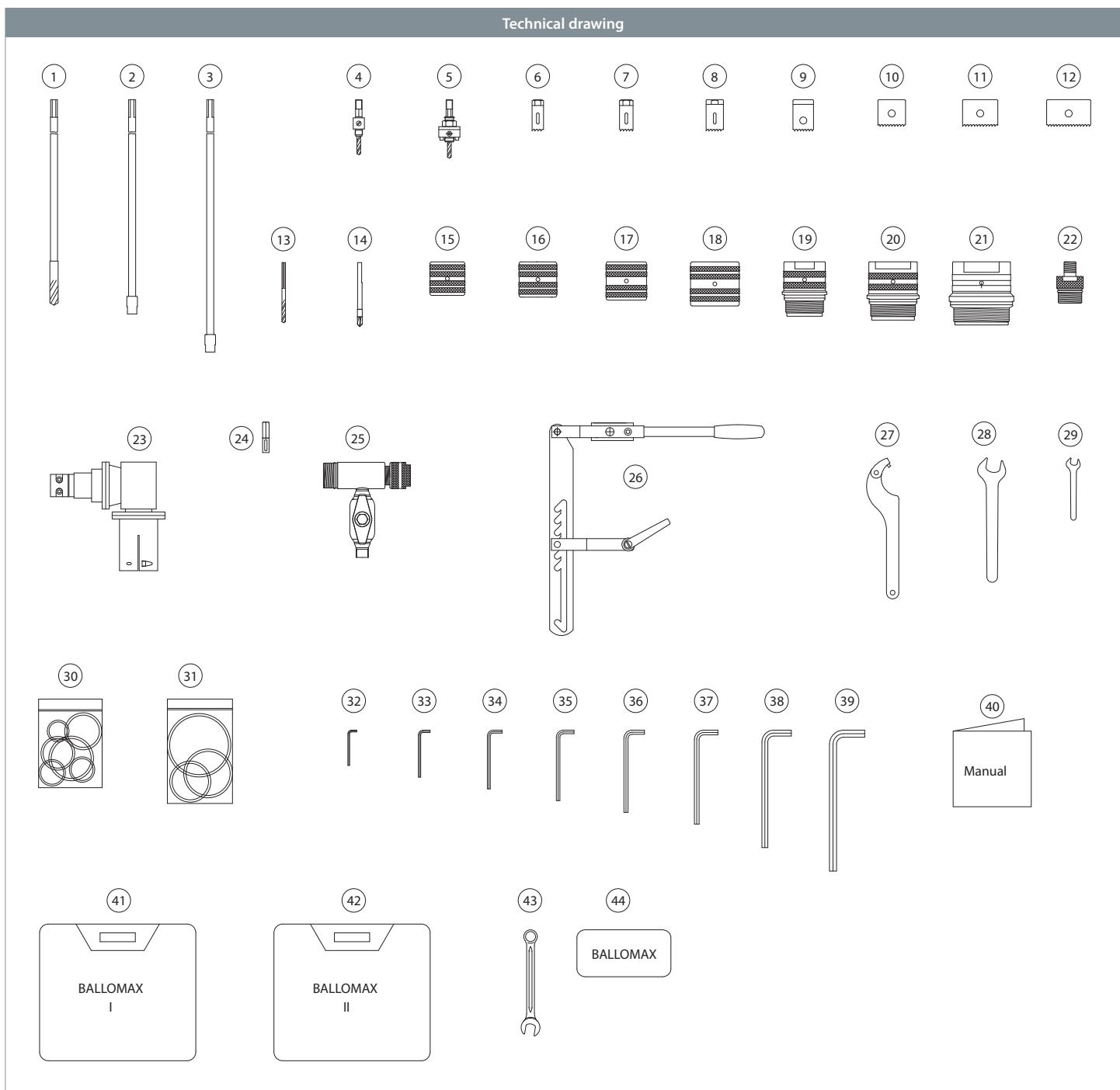


DN20-40

DN	BROEN No.	Description	NET-Price EURO
20-50	68500015 000	Hot tap tool with case	

Hot tap tool - product overview DN15-50 - DN65-100, PN25

Type



Hot tap tool - product overview
DN15-50, PN25

Type

No.	Description	Material	BROEN No.	NET-Price - EURO
1	Drill including stem Ø14	Stainless steel W 1.4305	491385	
2	Spoon bit drilling stem - HEX	Stainless steel W 1.4305	491399	
2	Spoon bit drilling stem - circular/trangle	Stainless steel W 1.4305	491394	
4	Small spoon bit holder		491388	
5	Holder, spoon bit with driver		491389	
6	Whole saw bit 19 mm		100845	
7	Whole saw bit 24 mm		100846	
8	Whole saw bit 30 mm		100847	
9	Whole saw bit 37 mm		100848	
13	Center drill Ø6,4 mm		100842	
14	Center drill Ø7 mm with spring ring		500058	
15	Coupling for DN25	Chromium-plated brass	491380	
16	Coupling for DN32	Chromium-plated brass	491381	
17	Coupling for DN40	Chromium-plated brass	491382	
18	Coupling for DN50	Chromium-plated brass	491383	
22	Test cap	Chromium-plated brass	491384	
25	Hot tap valve	Stainless steel	491375	
	T-handle		66050010 000	
	Nut		100113	
	Service valve		60105020	
	Packings, a set of three	Ramilon 4586	491379	
	Bearing	Brass	491378	
	Union nut	Chromium-plated brass	491377	
27	Hook spanner 6 mm		100841	
28	Fork spanner M24		300091	
29	Fork spanner M11		300090	
30	Set of O-rings Ø31x3	NBR	100824	
	Set of O-rings Ø37,2x3	NBR	100825	
	Set of O-rings Ø39x3	NBR	100820	
	Set of O-rings Ø50,39x3,53	NBR	100646	
	Set of O-rings Ø55x4	NBR	100821	
	Set of O-rings Ø68x4	NBR	100822	
32	Hexagon key 1/8"		500147	
33	Hexagon key 4 mm		100959	
34	Hexagon key 5 mm		100960	
36	Hexagon key 7 mm		500701	
40	User's manual			
41	Suitcase with lining		100851	
43	Combination spanner		300162	
44	Label		491117	

Hot tap tool - product overview
DN65-100, PN25

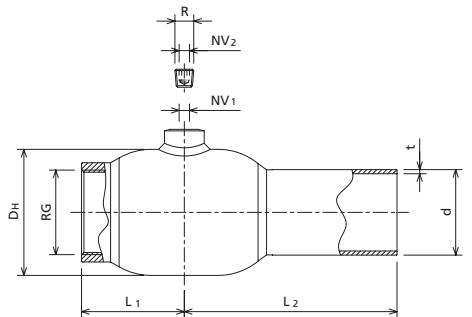
Type

No.	Description	Material	BROEN No.	NET-Price - EURO
3	Whole saw bit drilling stem - HEX	Stainless steel W 1.4305	491399	
3	Whole saw bit drilling stem	Stainless steel W 1.4305	497394	
10	Whole saw bit 48 mm		100940	
11	Whole saw bit 60 mm		100941	
12	Whole saw bit 76 mm		100942	
19	Coupling for DN65	Chromium-plated brass	497380	
20	Coupling for DN80	Chromium-plated brass	498380	
21	Coupling for DN100	Chromium-plated brass	499380	
23	Reduction gear		100943	
24	Driver unit	Stainless steel	300100	
26	Attachment unit		100944	
31	Set of O-rings Ø62x4	NBR	100931	
	Set of O-rings Ø75x4	NBR	100932	
	Set of O-rings Ø100x4	NBR	100933	
34	Hexagon key 5 mm		100960	
35	Hexagon key 6 mm		100961	
37	Hexagon key 8 mm		100962	
38	Hexagon key 10 mm		100963	
39	Hexagon key 12 mm		100964	
40	User's manual			
42	Suitcase with lining		100965	
44	Label		491117	

Branching valve
 DN20-50, PN40

Type 63101
Reduced bore
Female × Welding

Product Sheet No.: 11.1

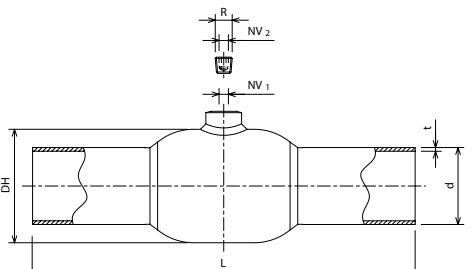


DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm									Price EURO
					Internal NV1	6-kt. NV2	R	RG	DH	L1	L2	d	t	
20	63101020 000	15	15	0.4	5	5	1/8	3/4"	42	38	115	26.9	2.3	
25	63101025 000	20	27	1.1	5	5	1/8	1"	51	65	115	33.7	2.6	
32	63101032 000	25	40	1.5	5	5	1/8	1 1/4"	57	65	130	42.4	2.6	
40	63101040 000	32	69	2.2	7	7	1/4	1 1/2"	76	75	130	48.3	2.6	
50	63101050 000	40	110	3.2	7	7	1/4	2"	89	84	150	60.3	2.9	

 Branching valve
 DN15-50, PN40

Type 63102 / 63902
Reduced bore
Welding × Welding

Product Sheet No.: 11.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					Internal NV1	6-kt. NV2	R	DH	L	d	t	
15	63102015 000	10	8	0.5	5	5	1/8	38	210	21.3	2.0	
20	63102020 000	15	15	0.55	5	5	1/8	42	230	26.9	2.3	
25	63102025 000	20	27	1.1	5	5	1/8	51	230	33.7	2.6	
32	63102032 000	25	40	1.6	5	5	1/8	57	260	42.4	2.6	
40	63102040 000	32	69	2.4	7	7	1/4	76	260	48.3	2.6	
50	63102050 000	40	110	3.5	7	7	1/4	89	300	60.3	2.9	

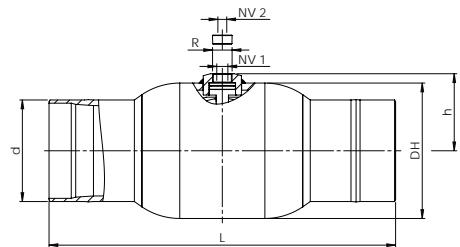
Flowoptimized - with in- and outlet sleeves for improved kv value.

DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					Internal NV1	6-kt. NV2	R	DH	L	d	t	
40	63902040 000	32		2.5	7	7	1/4	76	260	48.3	2.6	
50	63902050 000	40		3.7	7	7	1/4	89	300	60.3	2.9	

Branching valve DN65-100, PN25

Type 63102 / 63902
Reduced bore
Welding × Welding

Product Sheet No.: 11.1



All dimensions in mm										Price EURO		
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d	
65	63102065 000	50	180	5.3	8	8	3/8"	108.0	360	71.0	76.1	
80	63102080 000	65	288	7.3	8	8	3/8"	127.0	370	80.5	88.9	
100	63102100 000	80	470	11.1	12	10	M 22×1.5	152.4	390	87.0	114.3	

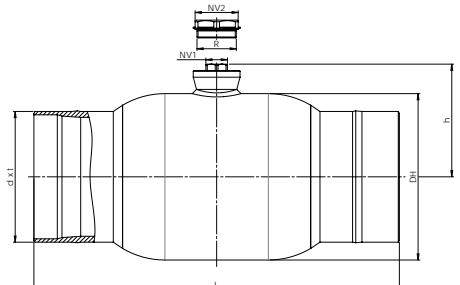
Flowoptimized - with in- and outlet sleeves for improved kv value.

All dimensions in mm										Price EURO		
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	d	t	
65	63902065 000	50		6.0	8	8	3/8"	108	360	76.1	2.9	
80	63902080 000	65		7.5	8	8	3/8"	127	370	88.9	3.2	
100	63902100 000	80		11.5	12	12	M 22×1.5	152	390	114.3	3.6	

Branching valve DN125-200, PN25

Type 63102
Reduced bore
Welding × Welding

Product Sheet No.: 11.1



All dimensions in mm										Price EURO		
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d	
125	63102125 000	100	699	14.0	HEX 23	HEX 46	M 42×2	178.0	390	120.4	139.7	
150	63102150 000	125	1046	19.9	HEX 27	HEX 50	M 48×2	219.0	390	142.5	168.3	
200	63102200 000	150	1500	33.3	HEX 27	HEX 55	M 55×2	267.0	390	169.0	219.1	

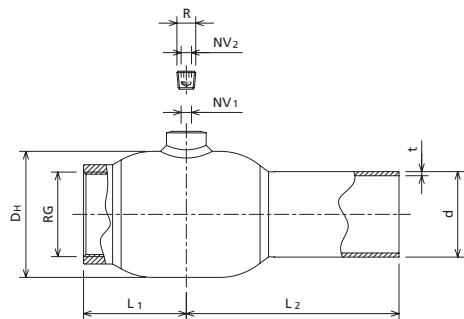
Branching valve DN15-50, PN40

Type 63601

Full bore

Female × Welding

Product Sheet No.: 12.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm										Price EURO
					Internal NV1	6-kt. NV2	R	RG	DH	L1	L2	d	t		
15	63601015 000	15	32	0.5	5	5	1/8	1/2"	42	43	105	21.3	2.0		
20	63601020 000	20	57	1.0	5	5	1/8	3/4"	51	68	115	26.9	2.0		
25	63601025 000	25	81	1.5	5	5	1/8	1"	57	71	115	33.7	2.6		
32	63601032 000	32	133	2.1	8	8	3/8	1 1/4"	76	80	130	42.4	2.6		
40	63601040 000	40	229	3.1	8	8	3/8	1 1/2"	88	88	130	48.3	2.6		
50	63601050 000	50	295	5.5	8	8	3/8	2"	108	110	150	60.3	2.9		

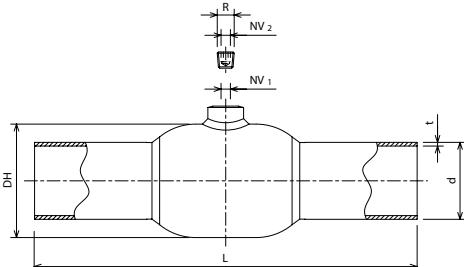
Branching valve DN15-50, PN40

Type 63602

Full bore

Welding × Welding

Product Sheet No.: 12.1



DN	BROEN No.	Bore	Kvs	net Weight kg	All dimensions in mm							Price EURO
					Internal NV1	6-kt. NV2	R	DH	L	d	t	
15	63602015 000	15	32	0.6	5	5	1/8	42	210	21.3	2.0	
20	63602020 000	20	57	1.1	5	5	1/8	51	230	26.9	2.0	
25	63602025 000	25	81	1.5	5	5	1/8	57	230	33.7	2.6	
32	63602032 000	32	133	2.4	8	8	3/8	76	260	42.4	2.6	
40	63602040 000	40	229	3.1	8	8	3/8	89	260	48.3	2.6	
50	63602050 000	50	295	5.4	8	8	3/8	108	300	60.3	2.9	

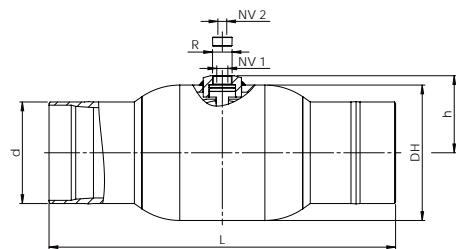
Branching valve DN65-80, PN25

Type 63602

Full bore

Welding × Welding

Product Sheet No.: 12.1



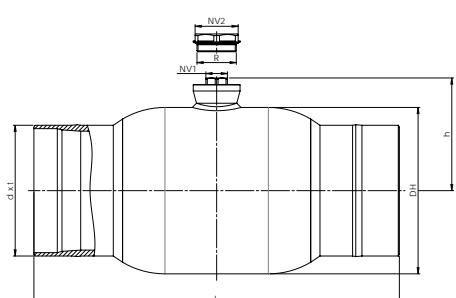
Branching valve DN100-150, PN25

Type 63602

Full bore

Welding × Welding

Product Sheet No.: 12.1



						All dimensions in mm							Price EURO
DN	BROEN No.	Bore	Kvs	net Weight kg	Internal NV1	6-kt. NV2	R	DH	L	h	d	t	
100	63602100 000	100	1159	15.7	HEX 23	HEX 46	M 42×2	178	390	120.4	114.3	3.6	
125	63602125 000	125	1841	22.6	HEX 27	HEX 50	M 48×2	219	390	147.5	139.7	3.6	
150	63602150 000	150	2652	28.4	HEX 27	HEX 55	M 55×2	267	390	169.0	168.3	4.0	

Ever since BROEN was established
our passion for valve technology has been
a major part of our core competences.

Our brand is our promise.

1. Application of terms of sale and delivery

- 1.1 The below general terms of sale and delivery shall apply for any quotation, order confirmation, sale and delivery by BROEN in the absence of any other agreement in writing between the parties.

2. Product information, price lists, etc.

- 2.1 Information in catalogues, price lists and any other product documentation provided by BROEN shall be binding on BROEN only where the agreement with the purchaser makes specific reference to such information. BROEN shall reserve the right to change information without notice.
- 2.2 All drawings and technical descriptions supplied to the purchaser shall remain the property of BROEN and may be used only for the operation and maintenance of the products supplied by BROEN. The material may not be copied, reproduced, passed on to or in any other way communicated to any unauthorized third party.

3. Prices and terms of delivery

- 3.1 Unless otherwise stated all prices in BROEN's quotations, order confirmations and other references are in Euro (EUR) exclusive of VAT, customs duties, taxes, etc. Unless otherwise stated in the above material BROEN shall reserve the right to adjust prices until delivery in the event of changes in currency rates, customs duties, taxes or raw material prices.
- 3.2 Unless special terms of delivery have been agreed upon in writing, delivery shall be made in conformity with the Incoterms 2010, EXW. The prices stated by BROEN are in conformity with these terms of delivery.
- 3.3 The prices stated by BROEN are exclusive of the costs of packaging, including special packaging to ensure that the products are not exposed to damage in transit to the final destination. Unless otherwise agreed in writing, Euro pallets and pallet frames used will be invoiced to the Purchaser. Return of Euro pallets and frames is not accepted.
- 3.4 For orders below Euro 300 net invoice value, or equivalent converted currency value, a handling fee of Euro 30 net, or equivalent converted currency value, applies.

4. Export

- 4.1 Unless otherwise agreed in writing it shall solely be the responsibility of the purchaser to ensure that the products sold can be legally applied in the purchaser's country and for the purposes intended, including their approval, if any, by public authorities or private persons for importation and application.
- 4.2 Unless otherwise agreed in writing, all costs of Irrevocable Letters of Credit (L/C) and costs of external produced verification documentation is to be carried by the purchaser.

5. Acceptance of quotations

- 5.1 Where BROEN makes a quotation that contains no stipulated date of acceptance, the quotation shall lapse in the event it is not accepted by the purchaser 30 days after the date of the quotation.

6. Time of delivery

- 6.1 Unless otherwise stated in writing in BROEN's quotation or order confirmation or in the agreement between the parties the time of delivery indicated by BROEN shall be indicated to the best of BROEN's judgment. In the event that the date of delivery is exceeded, the purchaser can by notification in writing to BROEN demand delivery and set a reasonable date not less than three weeks away. In the event that BROEN does not deliver within this extended period and where the non-delivery is not caused by circumstances attributable to the purchaser, the purchaser can by written notification to BROEN cancel the agreement with regard to the part consignment that has not been delivered. The purchaser shall not be entitled to make any claim vis-à-vis BROEN as a consequence of the delay.
- 6.2 In the event of strikes, lockouts, import restrictions, acts of God or other causes beyond BROEN's control, BROEN's time of delivery shall be extended by a period identical to the duration of the obstacle in question. Non-delivery or delayed delivery of raw materials from BROEN's sub-suppliers shall be considered acts of God and shall thus extend BROEN's time of delivery. In the event that the obstacle means that delivery cannot be effected or only at unreasonably high costs, BROEN shall retain the right to cancel the agreement.

7. Terms of payment

- 7.1 Provided credit is approved, BROEN's terms of payment are current month from the date of invoice plus 30 days.
- 7.2 In the event of payment after the due date BROEN shall be entitled to charge interest on overdue payments, at present 1% per month, to be calculated from the due date. In addition to this there will be an administration fee for reminders of minimum Euro 30 net, or equivalent converted currency value (or the maximum amount allowed by law at any time).
- 7.3 Payment can only be effected to BROEN's address unless stated otherwise on the invoice.
- 7.4 The purchaser shall not be entitled to off-set any claim he may have against BROEN (unless this claim has been accepted by BROEN in writing) and shall not be entitled to retain part of the purchase amount on account of such counterclaims.

8. Retention of ownership

- 8.1 BROEN shall retain ownership of the products sold until payment in full has been effected with the addition of interest and possible costs. The purchaser shall not be entitled to make arrangements that limit BROEN's retention of ownership.

9. Invoicing

- 9.1 BROEN will issue and forward invoices electronically or sent by regular post, depending on customer's requirements.

10. Liability for defects and product liability

- 10.1 Immediately after delivery the purchaser shall examine the products received. Defects that are found or should have been found during this examination or defects that are found later shall without delay and not later than seven days after the defect is found or should have been found be communicated in writing to BROEN. The purchaser shall under no circumstances be entitled to claim compensation for defects from BROEN later than one year after the date of delivery.
- 10.2 BROEN shall be entitled to decide whether the defects can be repaired or the defective products must be replaced. Such replacement and/or repair of defects will be made as soon as possible after the return of the product to BROEN.
- 10.3 The purchaser shall only be entitled to return sellable standard products and only following prior acceptance in writing from BROEN. BROEN reserves the right to refuse return of products at BROEN's sole discretion. The freight costs of the returned products shall be paid by the purchaser. The reimbursement for returned products shall be calculated on the basis of the original sales price with a deduction reflecting the costs of preparing the products for a new sale. This deduction will be fixed after the receipt of the products and after an assessment of the state of the products, the deduction will, however, amount to minimum 30% of the sales price.
- 10.4 Apart from the stipulations of clause 10.1/10.2 the purchaser shall not be entitled to make any claims to BROEN on account of defective products.
- 10.5 BROEN shall be liable for injuries to persons and damage to property as a result of defects in the products supplied (product liability) solely to the extent laid down in non-dispensable rules of law. BROEN shall not be liable for damage to the purchaser's real or personal property or to any other real or personal property belonging to a third party intended for commercial use.
- 10.6 Particularly for brass products it must be emphasized that BROEN shall not be liable for damage to the products or damage attributable to the products as a result of stress corrosion, dezincification and galvanic corrosion unless BROEN has in writing taken on such liability. In the event that BROEN has taken on such liability these general terms of sale and delivery shall apply with the exception of this clause.

11. Exemption from liability

- 11.1 BROEN shall be exempt from liability to the purchaser in the event of circumstances that prevent the fulfilment of the agreement or that make the fulfilment unreasonably burdensome, such as labour conflicts and any other circumstances beyond the control of BROEN, e.g. fire, war, mobilisation or similar military measures, seizures, currency restrictions, riots and civil unrest, lack of means of transportation, general scarcity of goods, restrictions regarding motive power as well as defective or delayed deliveries from sub-suppliers due to any of the circumstances mentioned in this clause.
- 11.2 BROEN shall under no circumstances be liable for trading losses, losses of profit or other indirect losses or other consequential losses, including the costs of establishing or localizing defective products or damage.

12. Settlement of disputes - venue

- 12.1 Any dispute between BROEN and the purchaser in relation to an agreement between the parties or in relation to the interpretation of these general terms of sale and delivery shall be settled in accordance with Danish law and at BROEN's venue. BROEN shall be entitled to demand that any dispute is settled by arbitration in accordance with the rules and stipulations of the Danish Institute of Arbitration (Det Danske Voldgiftsinstut).

BROEN Engineered Valve Group

For more than 70 years BROEN has been the global leader in the development and production of valve technology for the control of water, air, gas and oil. BROEN delivers complete solutions for HVAC building installations and is a leading supplier of district energy valves.

We know application and valve technology in depth and in close dialogue with our customers and partners all over the world we create value and reliability with proven valves offering full quality assurance.

BROEN Group – part of Aalberts Industries – is headquartered in Assens, Denmark and the premium engineering and manufacturing brands BROEN, Clorius Controls and BSM Valves all belong to the BROEN Group.

Read more on: www.broen.com

www.cloriuscontrols.com

www.bsmvalves.com

BROEN Group locations

Headquarters in Assens (DK)

Sales- and productions sites ●

- BROEN A/S, Assens (DK)
- BROEN POLAND, Dzierżoniów (PL)
- BROEN POLAND, Rogoźno (PL)
- BROEN LLC, Kolomna (RU)
- BROEN INC., Houston (US)
- BROEN Clorius, Dzierżoniów (PL)

Sales companies and offices ○

- BROEN, Assens (DK)
- BROEN, Stockholm (SE)
- BROEN, Helsinki (FI)
- BROEN SEI, Bucharest (RO)
- BROEN, Beijing (CN)
- BROEN, Moscow (RU)
- BROEN Clorius, Shanghai (CN)



BROEN POLAND sp. z o.o.

ul.Pieszycka 10, PL-58-200 Dzierżoniów

Tel.: +48 74 832 70 00 / Fax: +48 74 832 19 20

marketing@broen.pl / www.broen.pl