

K85

**K85 171 016.771 DN15 – DN150
KOHOUT KULOVÝ PŘÍRUBOVÝ**

WAFER STAINLESS STEEL BALL VALVE PN 16

Wafer 2 pieces stainless steel ball valve between flanges with full bore to open/close networks of chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air.

PTFE packing and gasket, FKM gasket on stem and PTFE filled with 15% glass fiber seat.

Locking device from DN25 to DN100.

Thanks to the ISO 5211 plate, an actuator can be installed on the valve.

**Certificate
3.1**



Size : DN15 to DN150

Connection: Between flanges PN16 RF

Min Temperature : -20°C

Max Temperature : +180°C

Max Pressure : 16 Bars

Specifications : ISO 5211 mounting pad
Anti blow-out stem
PTFE filled with 15% glass seat
Wafer type
Full bore

Materials : Stainless steel ASTM A351 CF8M

SPECIFICATIONS :

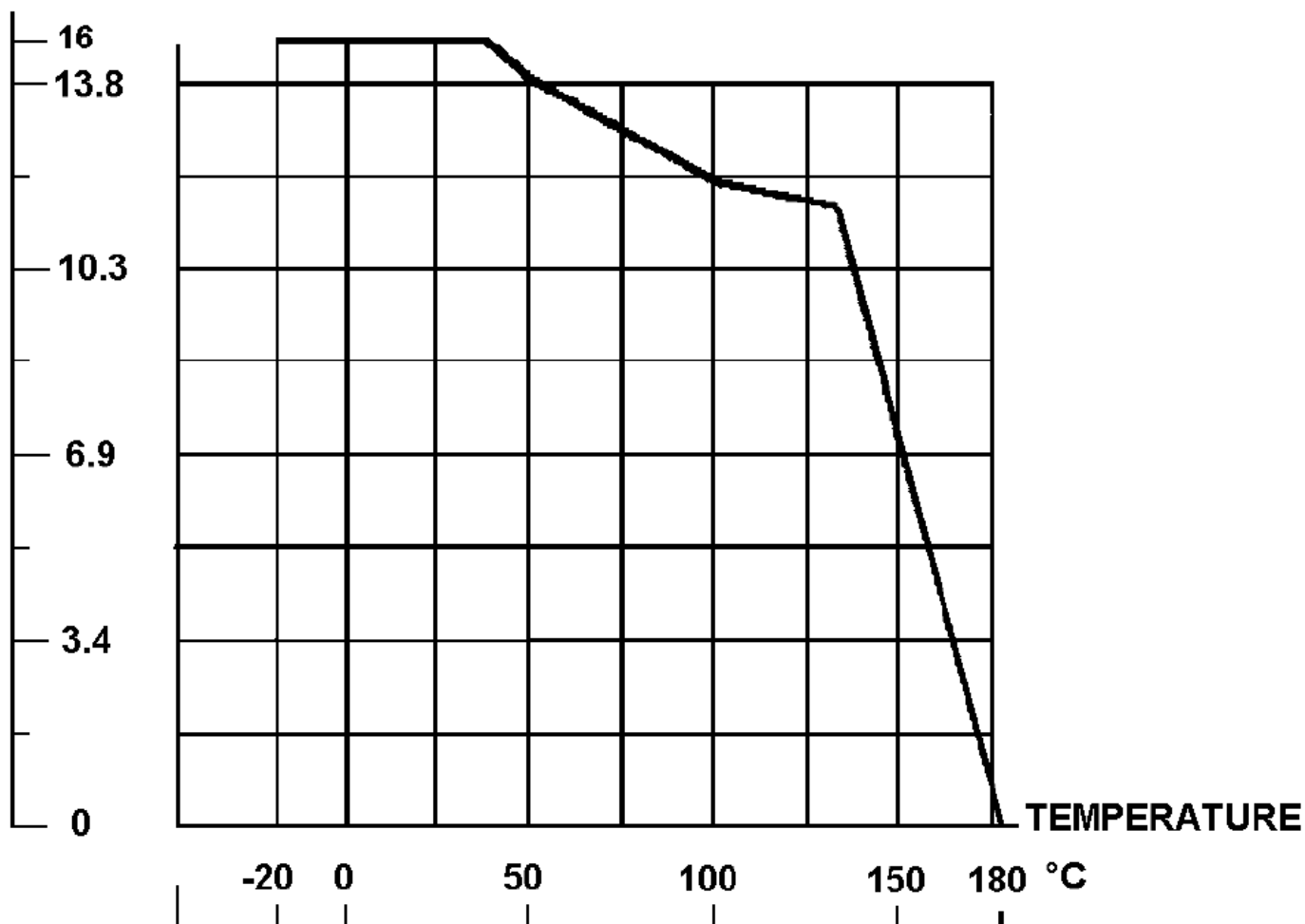
- Full bore
- Anti blow-out stem
- PTFE filled with 15% glass seat
- ISO 5211 mounting pad
- Threaded holes flanges
- Hollow body
- Locking device from DN 25 to DN 100

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : -20°C to + 180°C
- Max Pressure Ps : 16 bars (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

**PRESSURE
BAR**



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TORQUE VALUES (in Nm without safety coefficient) :

DN	15	20	25	32	40	50	65	80	100	125	150
Torque (Nm)	7	9	13	19	27	40	60	85	150	190	250

TIGHTENING TORQUE FOR SCREWS (TO FIX ON THE FLANGES) (in Nm) :

DN	15	20	25	32	40	50	65	80	100
Threading	M12	M12	M12	M16	M16	M16	M16	M16	M16
Torque (Nm)	30-40			40-50			50-60		

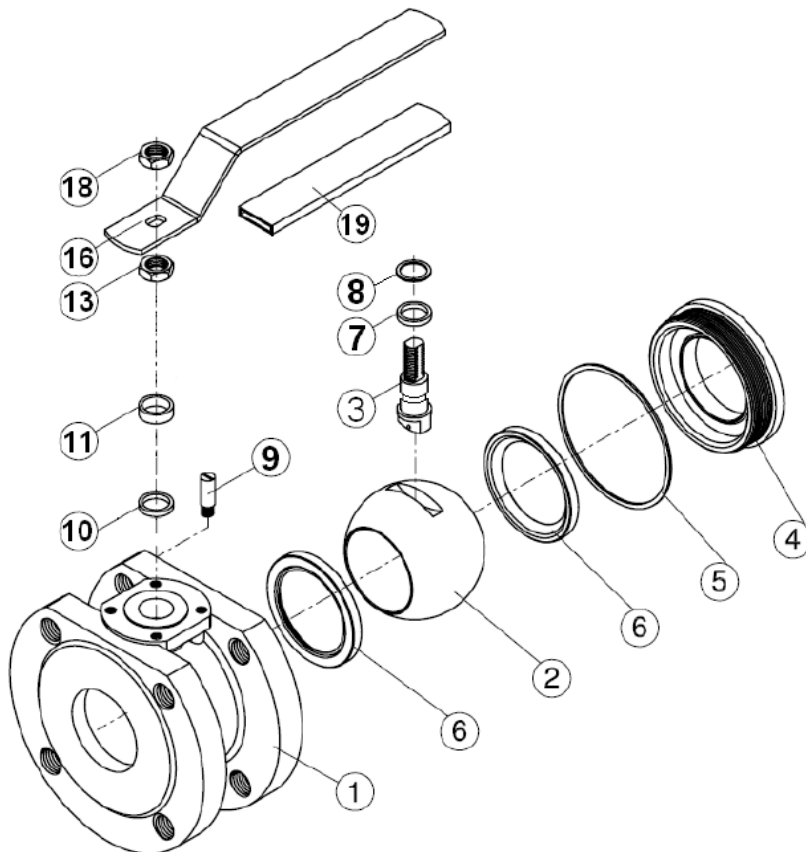
RANGE :

- Wafer stainless steel valve between flanges PN16 **Ref. 771** from DN 15 to DN 150

ENDS :

- Between flanges PN16 R.F.

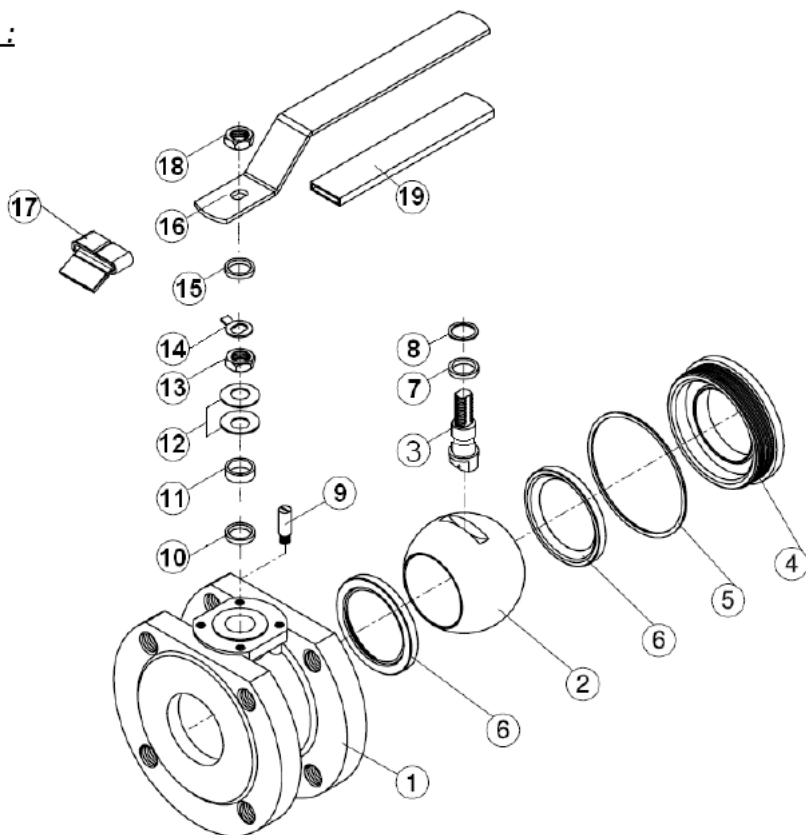
MATERIALS DN 15 - 20 :



(* : Included in gaskets kit)

Item	Designation	Materials 771
1	Body	ASTM A351 CF8M
2	Ball	ASTM A351 CF8M
3	Stem	AISI 304
4	Insert	ASTM A351 CF8M
5*	Body seal	PTFE
6*	Seat	PTFE filled with 15% glass fiber
7*	Thrust washer	PTFE
8*	O ring	FKM
9	Stop pin	AISI 304
10*	Packing	PTFE
11	Gland	AISI 304
13	Gland nut	
16	Handle	
18	Handle nut	
19	Handle cover	Plastic

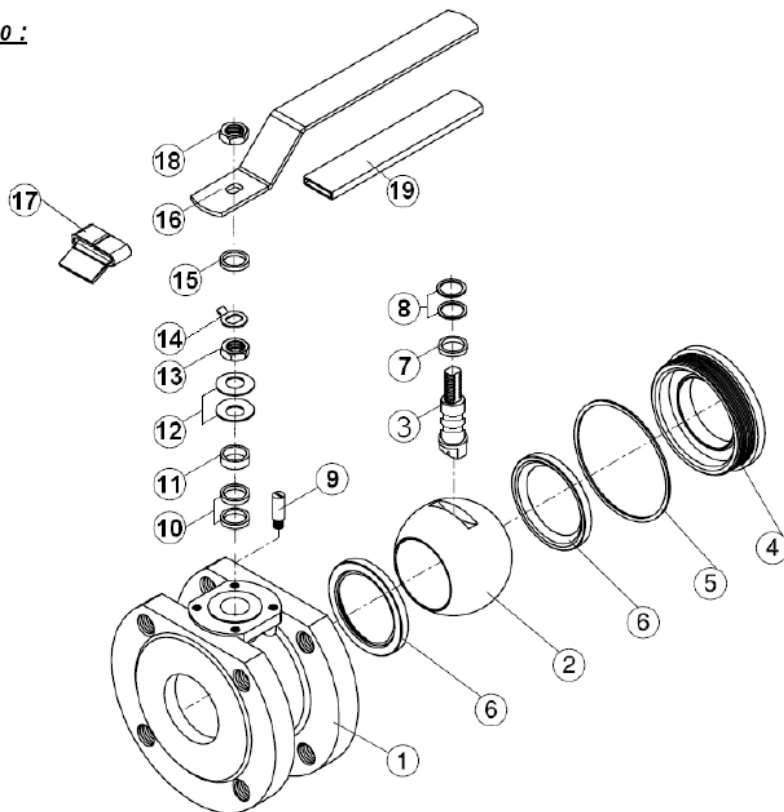
MATERIALS DN 25 - 50 :



Item	Designation	Materials 771
1	Body	ASTM A351 CF8M
2	Ball	ASTM A351 CF8M
3	Stem	AISI 304
4	Insert	ASTM A351 CF8M
5*	Body seal	PTFE
6*	Seat	PTFE filled with 15% glass fiber
7*	Thrust washer	PTFE
8*	O ring	FKM
9	Stop pin	AISI 304
10*	Packing	PTFE
11	Gland	AISI 304
12	Elastic ring	AISI 301
13	Gland nut	AISI 304
14	Tab washer	
15	Washer	
16	Handle	
17	Locking device	
18	Handle nut	Plastic
19	Handle cover	

(* : Included in gaskets kit)

MATERIALS DN 65 - 100 :



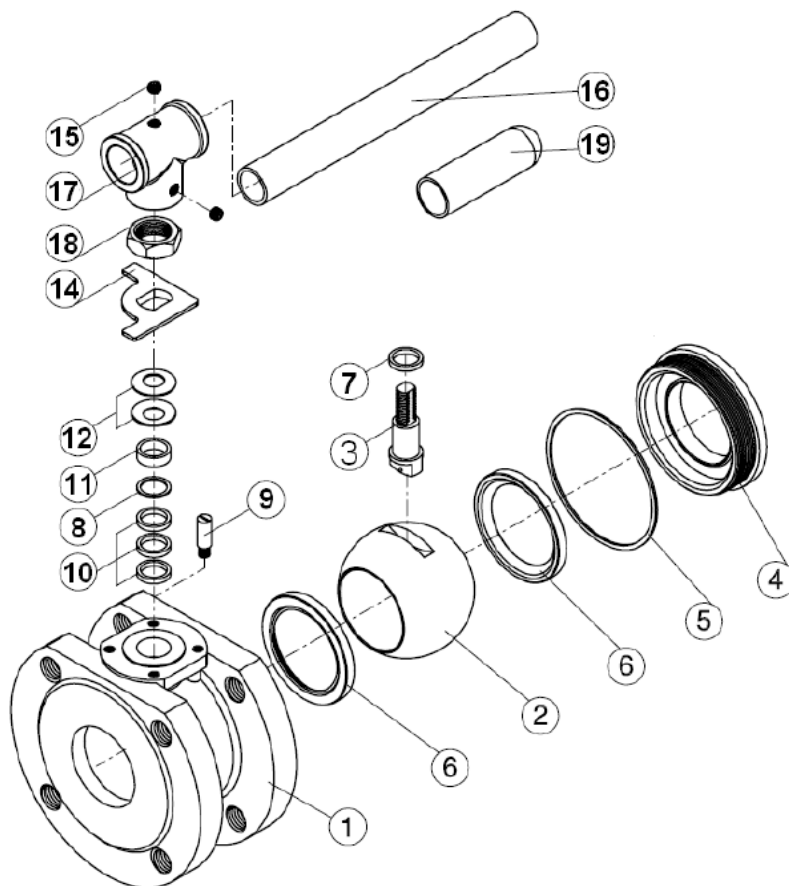
Item	Designation	Materials 771
1	Body	ASTM A351 CF8M
2	Ball	ASTM A351 CF8M
3	Stem	AISI 304
4	Insert	ASTM A351 CF8M
5*	Body seal	PTFE
6*	Seat	PTFE filled with 15% glass fiber
7*	Thrust washer	PTFE
8*	O ring	FKM
9	Stop pin	AISI 304
10*	Packing	PTFE
11	Gland	AISI 304
12	Elastic ring	AISI 301
13	Packing	AISI 304
14	Tab washer	
15	Washer	
16	Handle	
17	Locking device	
18	Handle nut	Plastic
19	Handle cover	

(* : Included in gaskets kit)

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MATERIALS DN 125 - 150 :



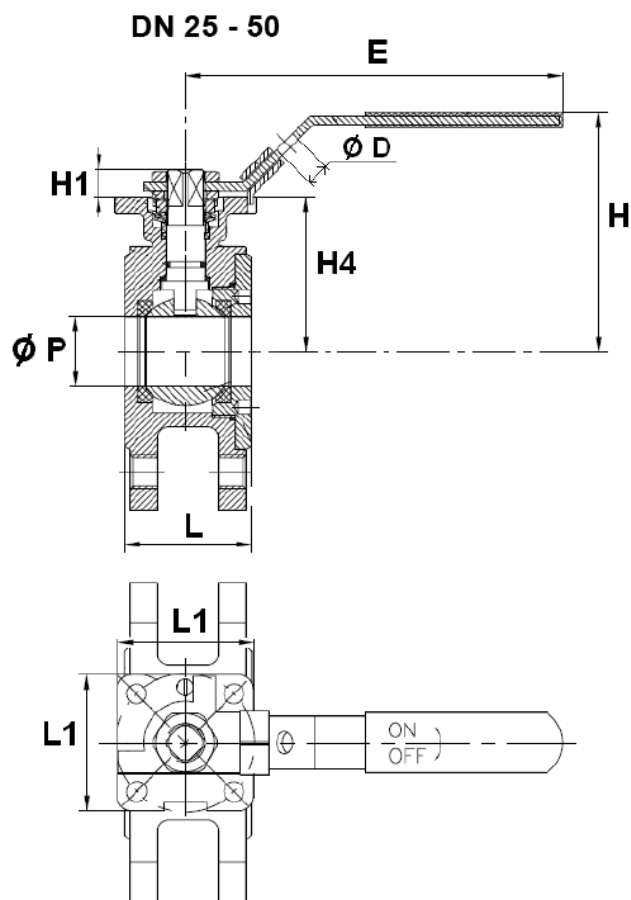
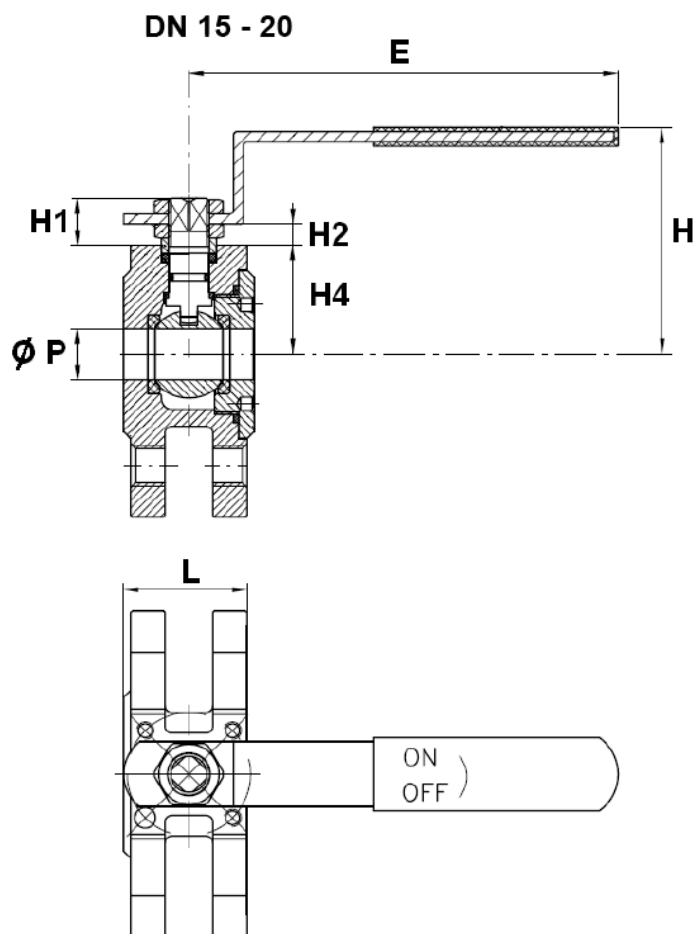
Item	Designation	Materials 771
1	Body	ASTM A351 CF8M
2	Ball	ASTM A351 CF8M
3	Stem	AISI 316
4	Insert	ASTM A351 CF8M
5*	Body seal	PTFE
6*	Seat	PTFE filled with 15% glass fiber
7*	Thrust washer	PTFE
8*	Packing	PTFE
9	Stop pin	AISI 304
10*	Stem packing	PTFE
11	Gland	AISI 304
12	Elastic ring	AISI 301
14	Stop plate	AISI 304
15	Handle screw	AISI 304
16	Handle	Steel
17	Handle adapter	ASTM A351 CF8
18	Packing nut	AISI 304
19	Handle cover	Plastic

(* : Included in gaskets kit)

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SIZE (in mm) :



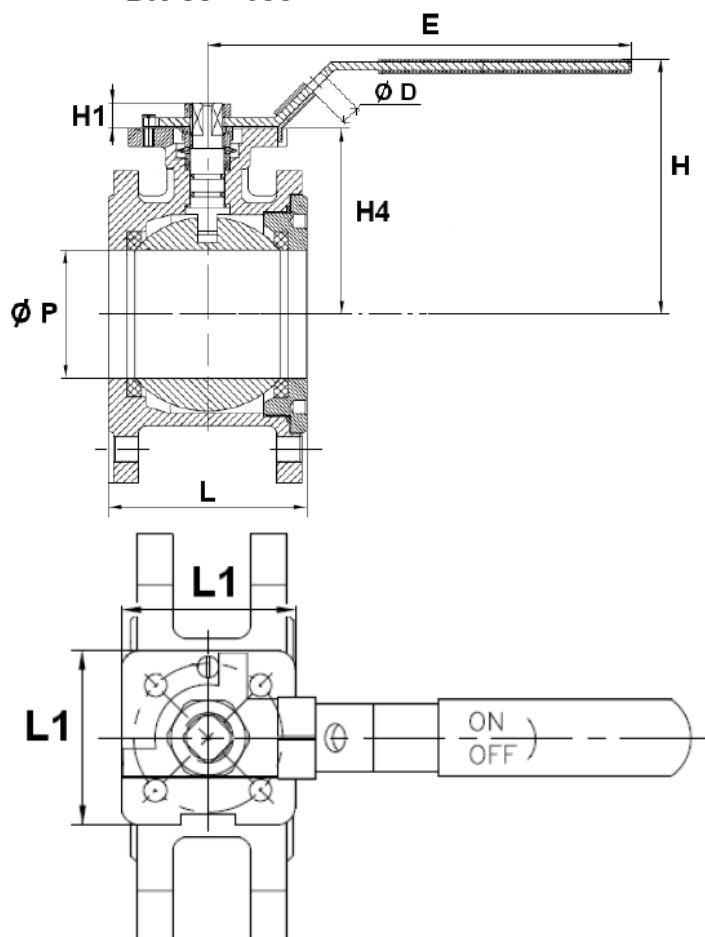
DN	15	20	25	32	40	50
Ø P	15	20	25	32	38	50
L	35	39	44	52	64	83
L1	-	-	49	49	65	65
E	125.2	125.2	136.2	136.2	204.5	204.5
H	75	80	95	101.5	122.5	121.5
H1	13.5	13.5	12	10	13.5	14
H2	6	6	-	-	-	-
H4	32	35.5	65	71.5	85	83.5
Ø D	-	-	8	8	8	8
Weight (in Kg)	1.1	1.41	1.82	3	4.3	5.9
Ref.	771015	771020	771025	771032	771040	771050

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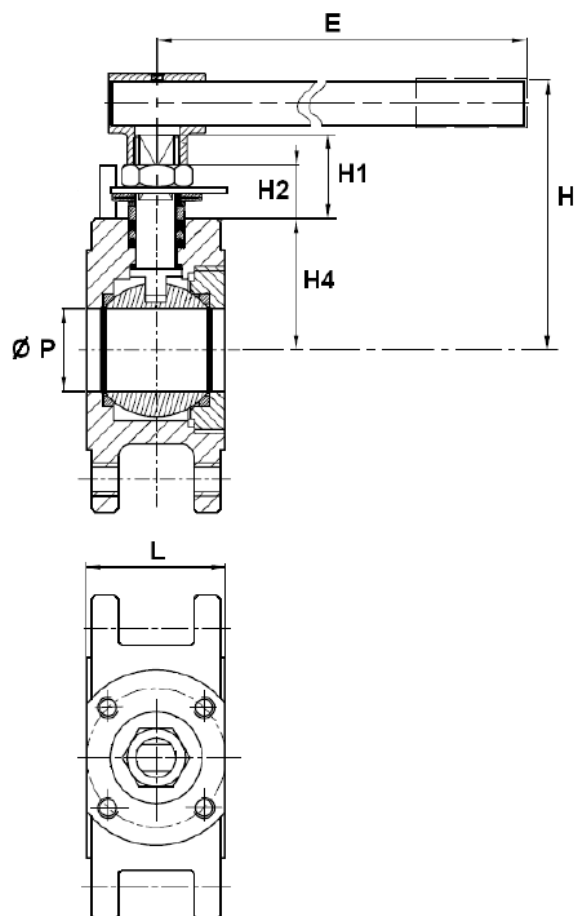
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KOHOUT KULOVÝ PŘÍRUBOVÝ

SIZE (in mm) :

DN 65 - 100

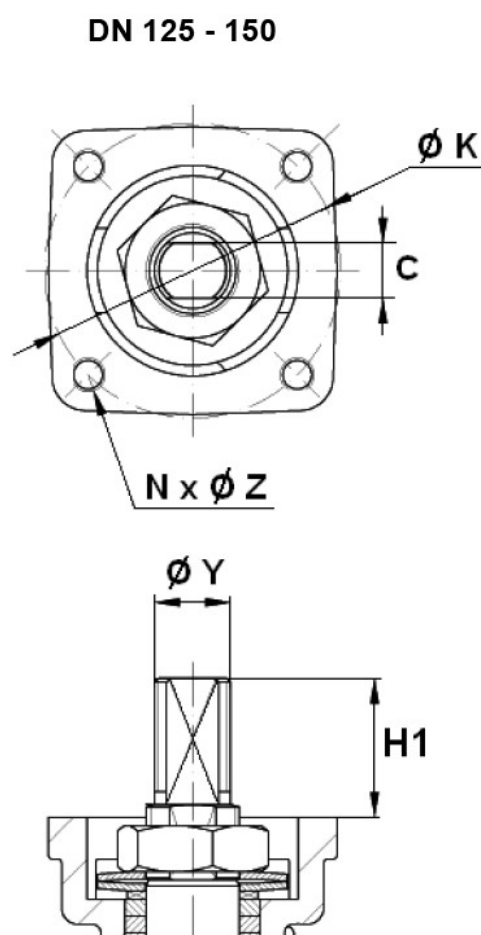
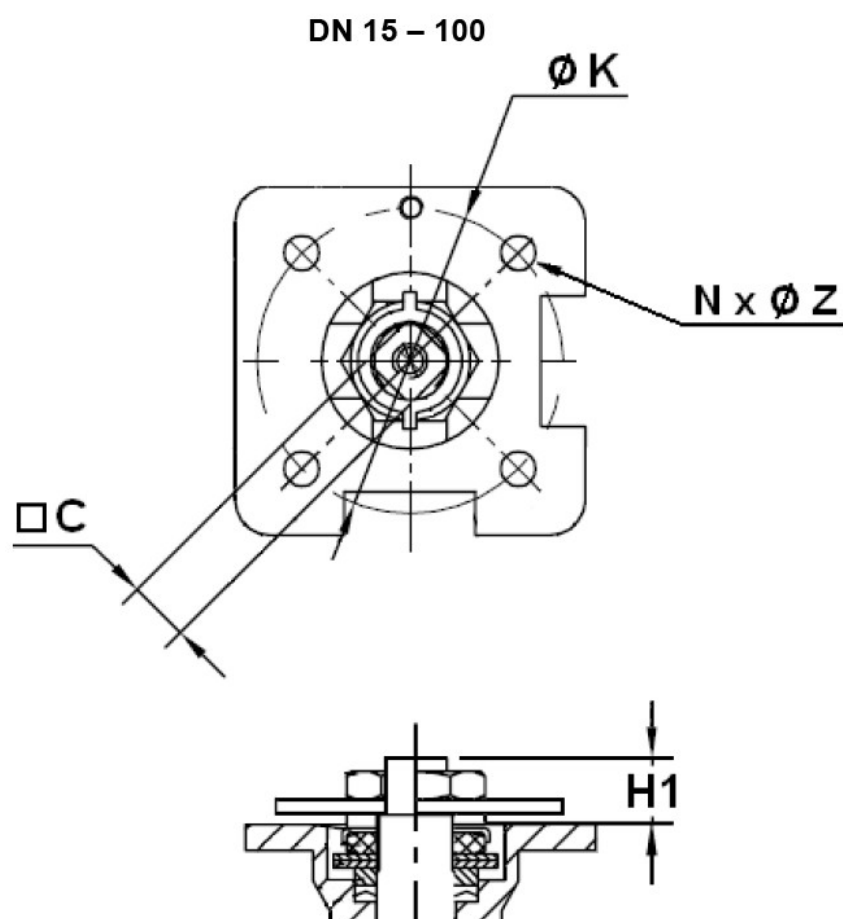


DN 125 - 150



DN	65	80	100	125	150
Ø P	65	76	94	118	135
L	105	121	152	179	202
L1	94	94	94	-	-
E	250	250	320	400	600
H	142	161	174	205	220
H1	18	18	20.5	50	50
H2	-	-	-	31	31
H4	101	120	130	117	130
Ø D	10	10	10	-	-
Weight (in Kg)	9	12.5	19.4	30	41
Ref.	771065	771080	771100	771125	771150

ISO MOUNTING PAD AND STEM SIZE (in mm) :

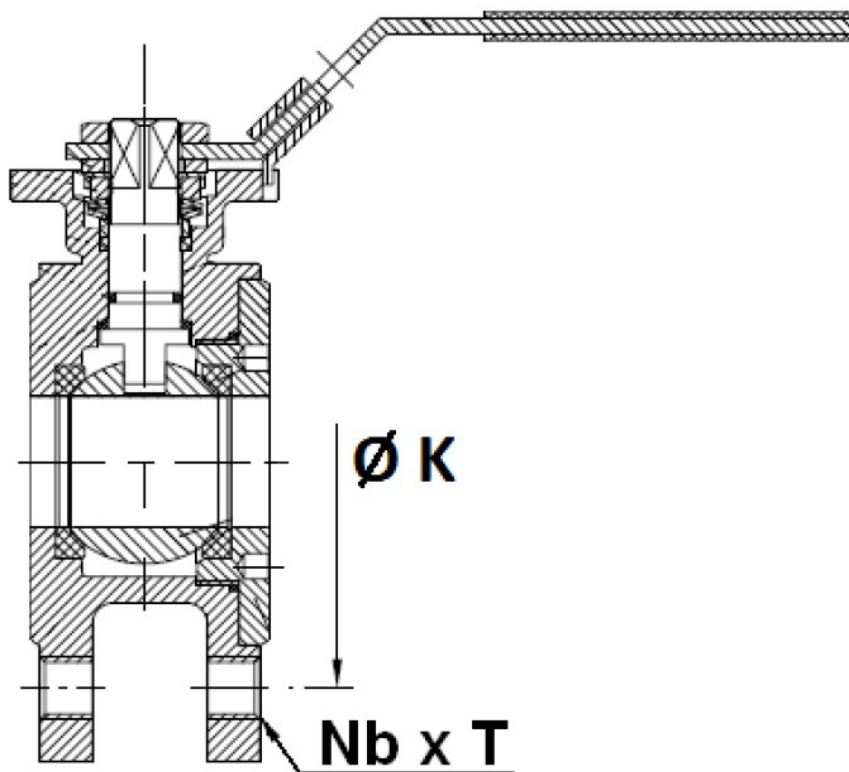


DN	15	20	25	32	40	50	65	80	100	125	150
C	9	9	11	11	14	14	17	17	17	17	17
Ø Y	-	-	-	-	-	-	-	-	-	28	28
H1	13.5	13.5	12	10	13.5	14	18	18	20.5	50	50
Ø K	36	36	42	42	50	50	70	70	102	102	125
ISO	F03	F03	F04	F04	F05	F05	F07	F07	F10	F10	F12
N x Ø Z	4 x 5	4 x 5	4 x 6.4	4 x 6.4	4 x 7	4 x 7	4 x 9	4 x 9	4 x 11	4 x M10	4 x M12

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SIZE THREADED FLANGES HOLES (FOR PN16 FLANGES in mm) :



DN	15	20	25	32	40	50	65	80	100	125	150
Ø K	65	75	85	100	110	125	145	160	180	210	240
Nb x Ø L	4 x M12	4 x M12	4 x M12	4 x M16	4 x M16	4 x M16	4 x M16	8 x M16	8 x M16	8 x M16	8 x M20

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : CE N° 0035
Risk Category II Module D1
- Certificate 3.1 on request
- Construction according to EN 12516
- Designing according to ASME B16.34
- Pressure tests according to EN 12266-1, Rate A
- ISO 5211 mounting pad
- PN16 R.F. flanges according to EN 1092-1 PN16
- Length according to EN 558 series 100 up to DN100