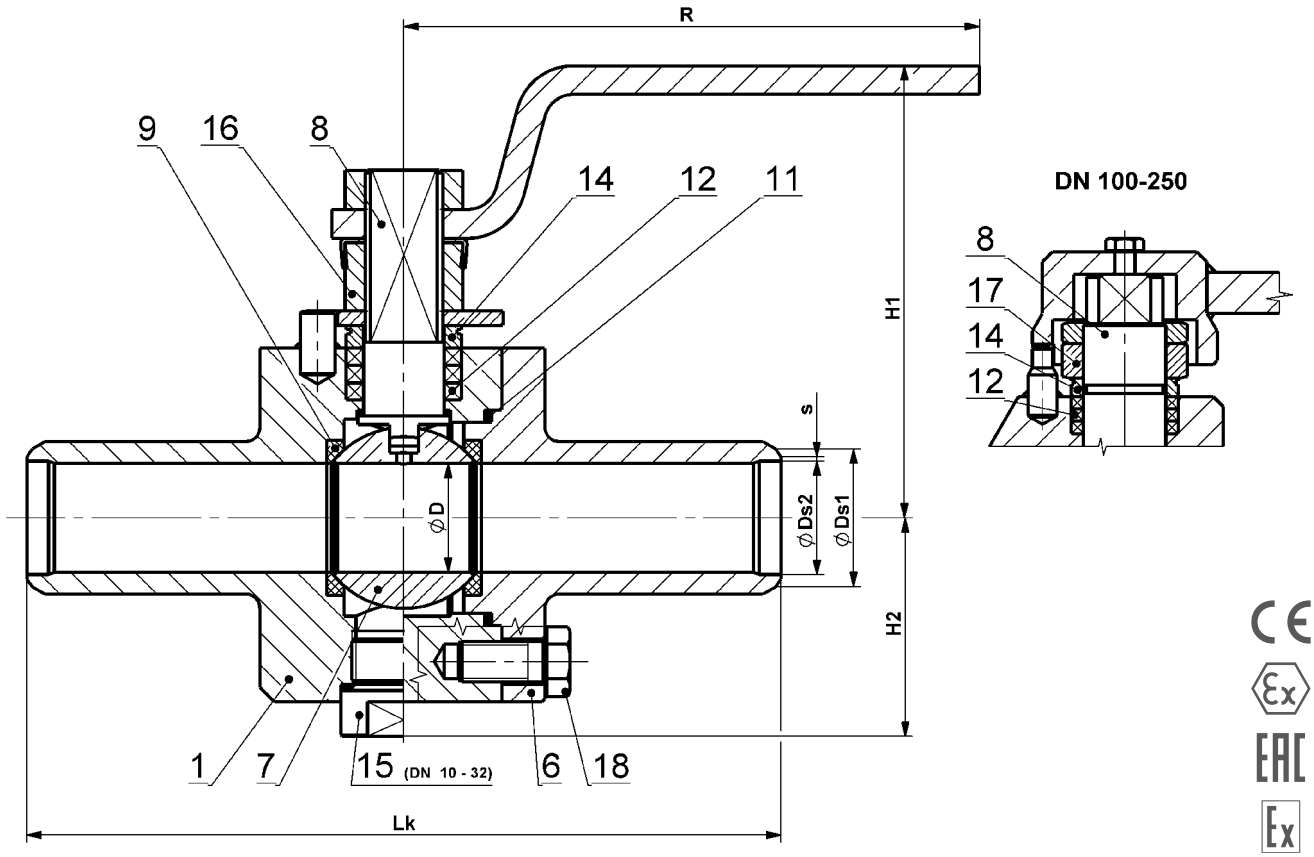
BUTT WELD END BALL VALVE WITH STUFFING BOX
KM 9103.X-SB

DN 10–250 PN 16–250



Materials

Type KM 9103.**X**-SB		Material			
		Carbon steel		Stainless steel	
Position	Component	**X=1** For common temperatures from −20°C to +230°C	**X=5** For low temperatures from −46°C to +230°C	**X=3** For temperatures from −60°C to +230°C	**X=4** For temperatures from −60°C to +230°C
1	Body	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
6	Socket				
7	Ball	1.4571, A182 F316, A351 CF8M, ČSN 17 027			
8	Stem	1.4021, ČSN 17 027	1.4541, A182 F321	1.4541, A182 F321	1.4571, A182 F316
9	Seat	PTFE+C, PEEK			
11	Gasket	Graphite			
12	Packing	Graphite			
14	Gland cover	1.4021, ČSN 17 027			
15	Screw plug	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
16	Nut	Cl.8, A2-70, A194 Gr. 2H	A2-70, A194 Gr. 7	A2-70, A194 Gr. 8	A2-70, A194 Gr. 8
17	Nut	1.4021, ČSN 17 027			
18	Bolt	8.8, A2-70, A193 B7	A2-70, A320 L7	A2-70, A193 B8	A2-70, A193 B8

Other materials upon request (P265GH, 1.4306, 1.4462 etc.).

Dimensions and weights

	DN	⌀D	⌀Ds1	⌀Ds2	s	Trubka / Pipe	Lk	H1	H2	R	Hm / W
PN 16, 25, 40	10	9,5	18	13	-	17,1×2	270	100	34.5	150	1.4
	15	14	22	16	-	21,3×2,6	270	109	45.5	200	2.2
	20	19	27,5	21,5	-	26,9×2,6	270	119	48.5	250	3.1
	25	25	34	28,5	-	33,7×2,6	270	126	53.5	250	4.7
	32	30	43	37	-	42,4×2,6	270	137.5	61.5	250	6
	40	38	49	42,5	1,5	48,3×2,9	270	145	61	250	8.2
	50	47	61	53,5	1,5	60,3×3,2	300	166	71.5	350	15.3
	65	62	77	69,5	1,5	76,1×3,2	360	159.5	81.5	450	23.1
	80	76	90	81,5	1,5	88,9×3,6	390	182.5	95	350	26
	100	98	115	106	1,5	114,3×4	450				
	125	119	***				525				
	150	142					600				
	200*	200					600	-	-		
	250**	250					730	-	-	-	

	DN	⌀D	⌀Ds1	⌀Ds2	s	Trubka / Pipe	Lk	H1	H2	R	Hm / W
PN 63	10	9,5	18	13	-	17,1×2	270	100	34	150	1.4
	15	14	22	16	-	21,3×2,6	270	109	45.5	200	2.2
	20	19	27,5	21,5	-	26,9×2,6	270	119	48.5	250	3.1
	25	25	34	28,5	-	33,7×2,6	270	126	53.5	250	4.7
	32	30	43	37	-	42,4×2,6	270	137.5	61.5	250	6
	40	38	49	42,5	1,5	48,3×2,9	270				
	50	47	61	53,5	1,5	60,3×3,2	300	166	71.5	350	15.3
	65	62	77	68,5	1,5	76,1×3,6	360	159.5	81.5	450	23.1
	80	76	90	80,5	1,5	88,9×4	390				
	100*	98	115	104	1,5	114,3×5	450				
	125*	119	***				525				
	150**	150					600	-	-	-	
	200**	200					600	-	-	-	
	250**	250					730	-	-	-	

	DN	⌀D	⌀Ds1	⌀Ds2	s	Trubka / Pipe	Lk	H1	H2	R	Hm / W
PN 100	10	9,5	18	13	-	17,1×2	270				
	15	14	22	16	-	21,3×2,6	270				
	20	19	27,5	21,5	-	26,9×2,6	270				
	25	25	34	27,5	1,5	33,7×2,9	270				
	32	30	43	36	1,5	42,4×3,2	270				
	40	38	49	41	1,5	48,3×3,6	270				
	50	47	61	51	1,5	60,3×4,5	300	161.5	72.5	300	15.3
	65	62	77	66	1,5	76,1×5	360				
	80	76	90	77,5	1,5	88,9×5,6	390				
	100*	98	115	100	1,5	114,3×7	450				
	125**	119	***				525	-	-	-	
	150**	150					600	-	-	-	

** = gearbox recommended, ** = with gearbox only, *** = contact our office. Dimensions in [mm], weights in [kg].
Dimensions of welding ends according to the dimensional table or customer requirement.
Dimensions for PN 160, 250 upon request.

Application

Isolating valve designed to fully open or close the service fluid flow. It is not designed to be used for throttling or regulating purposes. For temperatures from −60 °C up to +230 °C.

Suitable for:
- water, steam, gas, oil, crude oil, acid, alkali and other liquids and gases without mechanical impurities.

Approved for:
- fluids in groups 1 (hazardous) and 2 according to 2014/68/EU.

Characteristics

- floating ball,
- full bore,
- anti-static design,
- stem secured against release (anti-blow-out).

Operation

- hand lever,
- hand wheel with worm gear,
- pneumatic actuator,
- electric actuator.

Compliance with standards

- EN 1983,
- EN 12516-1,
- EN 17292,
- EN 12982 series 68,
- EN ISO 5211,
- EN 13463-1 (ATEX) – II 1 GD Ex IIC TX, I M1.

Testing

- EN 12266-1, leakage rate A – zero leakage.

Optional accessories, adjustments and services

- different end-to-end dimensions or end combinations (socket weld),
- connection for actuator according to ISO 5211,
- fire-safe design – fire resistance in accordance with EN ISO 10497 (API 607),
- heating jacket – for keeping the fluid liquid,
- lockable handle with a padlock,
- extended stem – e.g. for the reason of insulation of the valve and pipeline,
- design according to TA-Luft or EN 15848-1,
- limit switches,
- documentation according to EN 10204 3.2,
- special adjustments according to customer requests,
- design according to standard NACE MR 0175 or ISO 15156,
- all seals from PTFE material.

Type designation