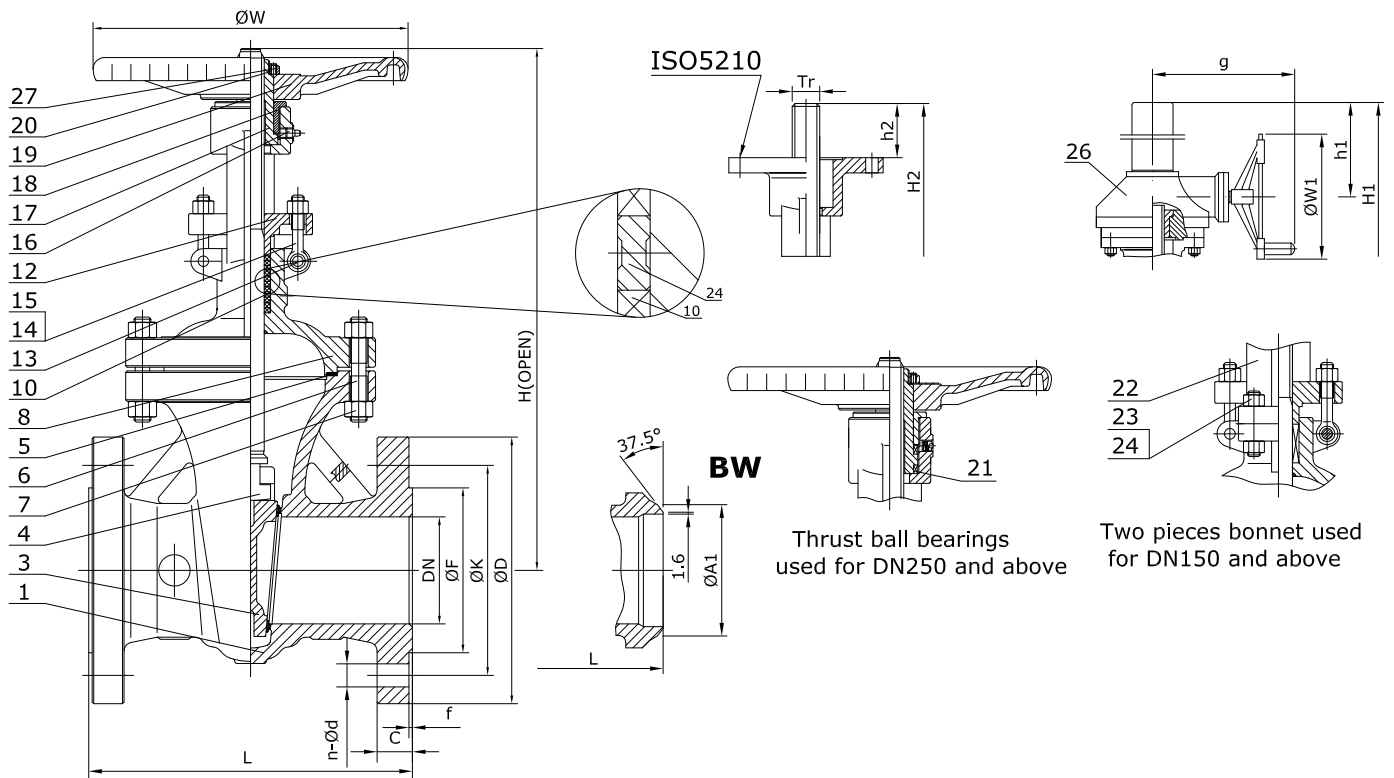


Main Parts and Materials



Nº	Part name	1.0619+N (90A0_)	1.4408 (90I0_)
1	Body	1.0619+N	1.4408
2	Wedge	1.0619+N	1.4408
3	Stem	A182 F6a	ASTM A182 F316
4	Nut	A194 2H	ASTM 194 8M
5	Bolt	A193 B7	ASTM 193 B8M
6	Gasket	St. Steel 304 + Graphite	St. steel 316 + Graphite
7	Bonnet	1.0619+N	1.4408
8	Packing	Flexible Graphite	
9	Pin	Carbon Steel	St. steel 304
10	Gland Eyebolt	A193 B7	ASTM A193 B8M
11	Nut	A194 2H	ASTM A194 8M
12	Gland	1.0619+N	1.4408
13	Grease Injector	Brass	Copper alloy
14	Stem Nut	A439 D2	Ductile Iron
15	Retaining Nut	Carbon Steel	AISI 1035
16	Handwheel	ASTM A536	Ductile Iron
17	Handwheel Nut	Carbon Steel	AISI 1035
18	Screw	Carbon Steel	AISI 1035
19	Bearings	Alloy Steel	Alloy steel
20	Yoke Nut	A194 2H	ASTM A194 8M
21	Yoke Bolt	A193 B7	ASTM A193 B8M
22	Yoke	1.0619+N	1.4408
23	Gear box	Assembly	
24	Lantern ring	ASTM A276 410	

Fig. 90A0	Seat Surface	Wedge Surface	Stem
TRIM #1 (90A01)	+13Cr	+13Cr	A182 F6a
TRIM #5 (90A05)	+HF	+HF	A182 F6a
TRIM #8 (90A08)	+HF	+13Cr	A182 F6a

Series 90 DIN RANGE

Main Valve Parameters - PN6

Nominal Size		DN	50	65	80	100	125	150	200	250
End connection	RF	L (F5)	250	270	280	300	325	350	400	450
		L (F4)	150	170	180	190	200	210	230	250
		ØD	140	160	190	210	240	265	320	375
		ØK	110	130	150	170	200	225	280	335
		ØF	90	110	128	148	178	202	258	312
		C	14	14	16	16	18	18	20	22
		f	3	3	3	3	3	3	3	3
		n-Ød	4-M12	4-M12	4-M16	4-M16	8-M16	8-M16	8-M16	12-M16
BW	ØA1	62	77	91	117	144	172	223	278	
Top works/operation	Hand-wheel	H (open)	393	430	500	580	655	750	950	1180
		H (close)	340	360	415	475	525	590	740	920
		ØW	200	200	220	250	280	300	350	400
	Gear with handwheel	H1	-	-	-	-	-	-	-	1180
		h1	-	-	-	-	-	-	-	335
		g	-	-	-	-	-	-	-	262
		ØW1	-	-	-	-	-	-	-	310
		With ISO 5210 mounting pad	H2 (open)	405	460	516	611	658	765	970
	H2 (close)		340	380	425	498	520	607	755	860
	h2		45	45	60	60	60	60	80	80
	ISO		F07	F07	F10	F10	F10	F10	F14	F14
	Tr		Tr20x4LH	Tr22x5LH	Tr24x5LH	Tr26x5LH	Tr28x5LH	Tr30x6LH	Tr32x6LH	Tr36x6LH
	Stroke		65	80	91	113	138	158	215	254
	No. of turns		17	16	19	23	28	27	36	43
	Torque		-	-	-	-	-	-	140	-
	Kvs-value		168	413	595	1089	1956	2597	4791	7488
	Approx. Weight RF (F5)		20	28	32	45	62	85	125	188

(1) To be specified by the purchaser

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Torques in Nm / Weights in kg

Nominal Size		DN	300	350	400	450	500	600	700
End connection	RF	L (F5)	500	550	600	650	700	800	900
		L (F4)	270	290	310	330	350	390	430
		ØD	440	490	540	595	645	755	860
		ØK	395	445	495	550	600	705	810
		ØF	365	415	465	520	570	670	775
		C	22	22	22	22	24	30	30
		f	4	4	4	4	4	5	5
		n-Ød	12-M20	12-M20	16-M20	16-M20	20-M20	20-M24	24-M24
BW	ØA1	329	362	413	464	516	619	721	
Top works/operation	Hand-wheel	H (open)	1335	1535	1670	1620	2135	2325	-
		H (close)	1025	1175	1260	1420	1620	1825	-
		ØW	450	500	500	600	600	700	-
	Gear with handwheel	H1	1320	1523	1770	1640	2189	2410	2865
		h1	385	443	493	525	598	630	788
		g	262	340	340	340	340	413	413
		ØW1	310	460	460	460	460	530	530
		With ISO 5210 mounting pad	H2 (open)	1353	1465	1741	-	2132	2550
	H2 (close)		1045	1125	1335	-	1625	1940	-
	h2		80	100	100	120	120	140	180
	ISO		F14	F16	F16	F25	F25	F30	F35
	Tr		Tr38x6LH	Tr42x8LH	Tr46x8LH	Tr50x8LH	Tr50x8LH	Tr55x8LH	Tr65×10LH
	Stroke		308	340	406	-	507	610	-
	No. of turns		52	43	51	-	64	77	-
	Torque		230	-	-	-	-	-	-
	Kvs-value		11182	13632	18059	24056	29953	43694	62653
	Approx. Weight RF (F5)		260	374	438	618	804	1388	2178

(1) To be specified by the purchaser

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Torques in Nm / Weights in kg

(2) It works with gear with handwheel

Information / restriction of technical rules need to be observed!

Installation, Operating and Maintenance Manual can be downloaded at www.comeval.es

The engineer, designing a system or a plant, is responsible for the selection of the correct valve

Product suitability must be verified, contact manufacturer for information