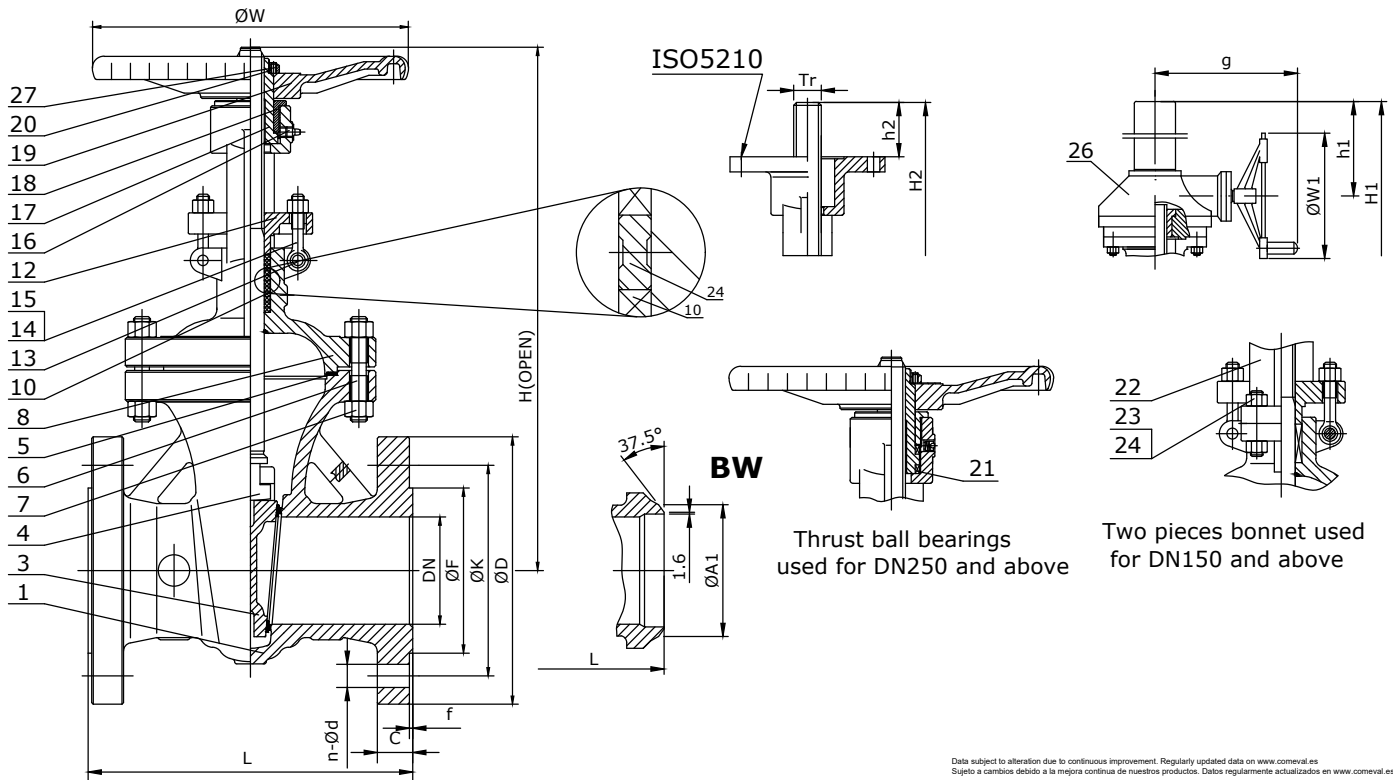


Main Parts and Materials



Data subject to alteration due to continuous improvement. Regularly updated data on www.comeval.es
Sujeto a cambios debido a la mejora continua de nuestros productos. Datos regularmente actualizados en www.comeval.es

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 - PN16

Nominal Size		DN	50	65	80	100	125	150	200	250
End connection	RF	L	250	270	280	300	325	350	400	450
		ØD	165	185	200	220	250	285	340	405
		ØK	125	145	160	180	210	240	295	355
		ØF	102	122	138	158	188	212	268	320
		C	18	18	20	20	22	22	24	26
		f	3	3	3	3	3	3	3	3
	n-Ød	4-18	8-18	8-18	8-18	8-18	8-22	12-22	12-26	
Top works/operation	BW	ØA1	62	77	91	117	144	172	223	278
	Gear with handwheel	H (open)	393	430	500	580	655	795	950	1141
		H (close)	340	360	415	475	525	599	740	857
		ØW	200	200	220	250	280	300	350	400
		H1	-	-	-	-	-	-	-	1180
		h1	-	-	-	-	-	-	-	335
		g	-	-	-	-	-	-	-	262
		ØW1	-	-	-	-	-	-	-	310
	With ISO 5210 mounting pad	H2 (open)	405	460	516	611	658	765	970	1114
		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	16	16	18	23	28	26	36	42
	Torque	32	35	42	77	88	98	172	227	
	Kvs-value		168	413	595	1089	1956	2597	4791	7488
	Approx. Weight RF		20	28	32	45	62	85	125	190

(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	500	550	600	650	700	800	900
		ØD	460	520	580	640	715	840	910
		ØK	410	470	525	585	650	770	840
		ØF	378	438	490	550	610	725	795
		C	28	30	32	40	44	54	(1)
		f	4	4	4	4	4	5	5
		n-Ød	12-26	16-26	16-30	20-30	20-33	20-36	24-36
	BW	ØA1	329	362	413	464	516	619	721
Top works/operation	Hand-wheel	H (open)	1335	1535	1670	1620	2135	2325	(2)
		H (close)	1025	1175	1260	1420	1620	1825	(2)
		ØW	450	500	500	600	600	700	(2)
	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	Tr65x10LH
	Stroke		308	340	406	-	507	610	-
	No. of turns		51	43	51	-	63	76	-
	Torque		298	410	550	650	864	1528	2105
	Kvs-value		11182	13632	18059	24056	29953	43694	62653
	Approx. Weight RF		270	390	460	650	850	1450	2320

(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

Main Valve Parameters - PN25

Series 90 DIN RANGE

Nominal Size		DN	50	65	80	100	125	150	200	250
End connection	RF	L	250	270	280	300	325	350	400	450
		ØD	165	185	200	235	270	300	360	425
		ØK	125	145	160	190	220	250	310	370
		ØF	102	122	138	162	188	218	278	335
		C	20	22	24	24	26	28	30	32
		f	3	3	3	3	3	3	3	3
	n-Ød	4-18	8-18	8-18	8-22	8-26	8-26	12-26	12-30	
Top works/operation	BW	ØA1	62	77	91	117	144	172	223	278
	Gear with hand-wheel	H (open)	393	430	500	580	655	795	950	1141
		H (close)	340	360	415	475	525	599	740	857
		ØW	200	200	220	250	280	300	350	400
		H1	-	-	-	-	-	-	-	1180
		h1	-	-	-	-	-	-	-	335
		g	-	-	-	-	-	-	-	262
		ØW1	-	-	-	-	-	-	-	310
	With ISO 5210 mounting pad	H2 (open)	405	460	516	611	658	765	970	1114
		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	16	16	18	23	28	26	36	42
	Torque	32	35	42	77	88	98	172	227	
	Kvs-value		168	413	595	1089	1956	2597	4791	7450
	Approx. Weight RF		20	29	33	48	65	90	132	225

(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	500	550	600	650	700	800	900
		ØD	485	555	620	670	730	845	960
		ØK	430	490	550	600	660	770	875
		ØF	395	450	505	555	615	720	820
		C	34	38	40	46	48	58	(1)
		f	4	4	4	4	4	5	5
		n-Ød	16-30	16-33	16-36	20-36	20-36	20-39	24-42
	BW	ØA1	329	362	413	464	516	619	721
Top works/operation	Hand-wheel	H (open)	1335	1535	1670	1620	2135	2325	(2)
		H (close)	1025	1175	1260	1420	1620	1825	(2)
		ØW	450	500	500	600	600	700	(2)
	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	51	43	51	-	63	76	-
		Torque	298	410	550	650	864	1528	2105
	Kvs-value		11125	13563	17967	23933	29800	43471	62333
Approx. Weight RF		285	420	490	690	900	1580	2500	

(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

Main Valve Parameters - PN40

Series 90 DIN RANGE

Nominal Size		DN	50	65	80	100	125	150	200
End connection	RF	L	250	290	310	350	400	450	550
		ØD	165	185	200	235	270	300	375
		ØK	125	145	160	190	220	250	320
		ØF	102	122	138	162	188	218	285
		C	20	22	24	24	26	28	34
		f	3	3	3	3	3	3	3
	n-Ød	4-18	8-18	8-18	8-22	8-26	8-26	12-30	
BW	ØA1	62	77	91	117	144	172	223	
Top works/operation	Hand-wheel	H (open)	405	430	500	575	640	745	1000
		H (close)	350	360	415	470	510	585	790
		ØW	200	200	220	250	280	300	400
	Gear with handwheel	H1	-	-	-	-	-	-	-
		h1	-	-	-	-	-	-	-
		g	-	-	-	-	-	-	-
		ØW1	-	-	-	-	-	-	-
		With ISO 5210 mounting pad	H2 (open)	405	460	516	611	658	765
	H2 (close)		340	380	425	498	520	607	788
	h2		60	60	60	80	80	80	80
	ISO		F10	F10	F10	F14	F14	F14	F14
	Tr		Tr20x4LH	Tr22x5LH	Tr24x5LH	Tr26x5LH	Tr28x5LH	Tr30x6LH	Tr36x6LH
	Stroke		65	80	91	113	138	158	215
	No. of turns		16	16	18	23	28	26	36
	Torque		47	53	61	121	182	205	342
	Kvs-value		168	413	595	1089	1956	2597	4791
	Approx. Weight RF		20	29	35	50	72	105	189

(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	250	300	350	400	450	500	600
End connection	RF	L	650	750	850	950	1050	1150	1350
		ØD	450	515	580	660	685	755	890
		ØK	385	450	510	585	610	670	795
		ØF	345	410	465	535	560	615	735
		C	38	42	46	50	57	57	72
		f	3	4	4	4	4	4	5
		n-Ød	12-33	16-33	16-36	16-39	20-39	20-42	20-48
Top works/operation	BW	ØA1	278	329	362	413	464	516	619
	Hand-wheel	H (open)	1278	1510	1670	1898	(2)	(2)	(2)
		H (close)	1006	1201	1308	1483			
		ØW	450	500	550	600			
	Gear with handwheel	H1	1274	1620	1791	2092	2192	2257	2724
		h1	355	392	445	498	570	632	730
		g	340	340	340	340	413	413	413
		ØW1	460	460	460	460	530	530	530
	With ISO 5210 mounting pad	H2 (open)	1161	1365	1541	1801	-	2315	2762
		H2 (close)	900	105	1185	1395	-	1768	2140
		h2	80	80	100	100	120	120	140
		ISO	F16	F25	F25	F30	F30	F30	F35
		Tr	Tr38x6LH	Tr42x8LH	Tr46x8LH	Tr48x8LH	Tr52x8LH	Tr52x8LH	Tr60x8LH
		Stroke	261	315	356	406	-	547	622
		No. of turns	44	39	45	51	-	68	77.75
		Torque	579	786	1139	1448	1945	2483	3910
	Kvs-value		7450	11125	13563	17782	23688	29494	43025
	Approx. Weight RF		345	460	650	980	1330	1865	2470

(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

Series 90 DIN RANGE

Main Valve Parameters - PN63

Nominal Size		DN	50	65	80	100	125	150	200	250	300	350	400
End connection	RF	L	250	290	310	350	400	450	550	650	750	850	950
		ØD	180	205	215	250	295	345	415	470	530	600	670
		ØK	135	160	170	200	240	280	345	400	460	525	585
		ØF	102	122	138	162	188	218	285	345	410	465	535
		C	26	26	28	30	34	36	42	46	52	56	60
		f	3	3	3	3	3	3	3	3	4	4	4
		n-Ød	4-M22	8-M22	8-M22	8-M26	8-M30	8-M33	12-M36	12-M36	16-M36	16-M39	16-M42
Top works/operation	Hand-wheel	H (open)	426	463	530	611	725	833	1038	(2)	(2)	(2)	(2)
		H (close)	371	393	442	496	588	668	823				
		ØW	200	200	220	250	350	350	450				
	Gear with handwheel	H1	-	-	-	-	-	-	-	1765	2135	2575	2838
		h1	-	-	-	-	-	-	-	348	398	448	523
		g	-	-	-	-	-	-	-	340	340	340	413
		ØW1	-	-	-	-	-	-	-	460	460	460	530
	With ISO 5210 mounting pad	H2 (open)	426	463	545	622	725	833	1035	1750	2125	2562	2810
		H2 (close)	371	393	460	507	588	668	820	1490	1810	2197	2395
		h2	60	60	60	80	80	100	110	120	120	140	140
		ISO	F10	F10	F10	F12	F12	F14	F16	F25	F25	F30	F30
		Tr	Tr20x4-LH	Tr22x5-LH	Tr24x5-LH	Tr26x5-LH	Tr32x6-LH	Tr32x6-LH	Tr38x6-LH	Tr42x8-LH	Tr46x8-LH	Tr52x8-LH	Tr55x8-LH
		Stroke	55	70	85	115	137	165	215	260	315	365	415
		No. of turns	14	14	17	23	23	28	36	33	40	46	52
		Torque	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	Kvs-value		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	Approx. Weight RF		92	108	120	156	290	389	558	801	1148	1543	2214

(1) To be specified by the purchaser

Dimensions in mm subject to manufacturing tolerance / Torques in Nm / Weights in kg

(2) It works with gear with handwheel

(3) Under request

Main Valve Parameters - PN100

Nominal Size		DN	50	65	80	100	125	150	200	250	300	350
End connection	RF	L	250	290	310	350	400	450	550	650	750	850
		ØD	195	220	230	265	315	355	430	505	585	655
		ØK	145	170	180	210	250	290	360	430	500	560
		ØF	102	122	138	162	188	218	285	345	410	465
		C	30	34	36	40	40	44	52	60	68	74
		f	3	3	3	3	3	3	3	3	4	4
		n-Ød	4-M24	8-M24	8-M24	8-M27	8-M30	12-M30	12-M33	12-M36	16-M39	16-M45
Top works/operation	Hand-wheel	H (open)	440	470	538	617	720	855	(2)	(2)	(2)	(2)
		H (close)	385	396	450	507	585	695				
		ØW	220	250	350	350	400	450				
	Gear with handwheel	H1	-	-	-	-	-	-	1260	1655	1985	2195
		h1	-	-	-	-	-	-	293	348	418	473
		g	-	-	-	-	-	-	340	340	413	413
		ØW1	-	-	-	-	-	-	460	460	530	530
	With ISO 5210 mounting pad	H2 (open)	440	470	538	610	727	850	1185	1565	1876	1925
		H2 (close)	385	396	450	510	592	690	970	1300	1561	1560
		h2	60	60	80	80	100	110	110	120	140	140
		ISO	F10	F10	F12	F12	F14	F16	F16	F25	F30	F30
		Tr	Tr20x4-LH	Tr22x5-LH	Tr26x5-LH	Tr30x6-LH	Tr36x6-LH	Tr38x6-LH	Tr42x8-LH	Tr48x8-LH	Tr52x8-LH	Tr58x8-LH
		Stroke	55	74	88	100	135	160	215	265	315	365
		No. Of turns	14	15	18	17	23	27	27	34	40	46
		Torque	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	Kvs-value		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	Approx. Weight RF		98	130	154	231	410	542	778	1321	2015	2676

(1) To be specified by the purchaser

Dimensions in mm subject to manufacturing tolerance / Torques in Nm / Weights in kg

(2) It works with gear with handwheel

(3) Under request