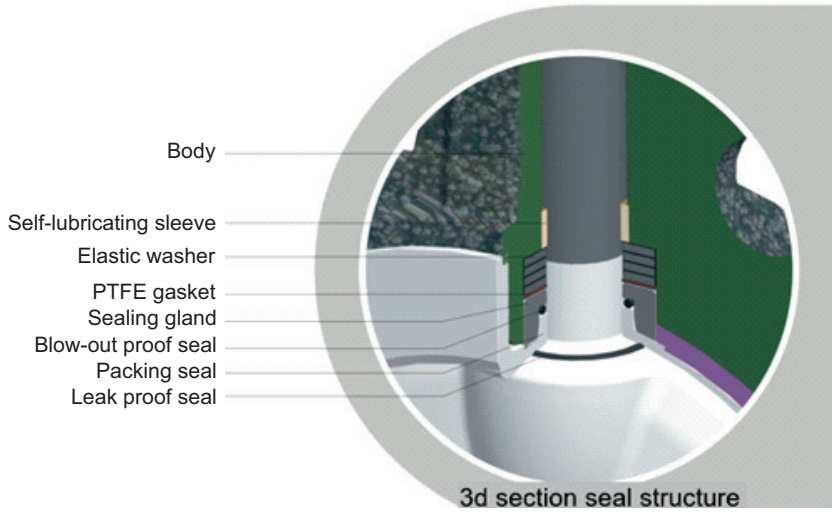
Constructive features

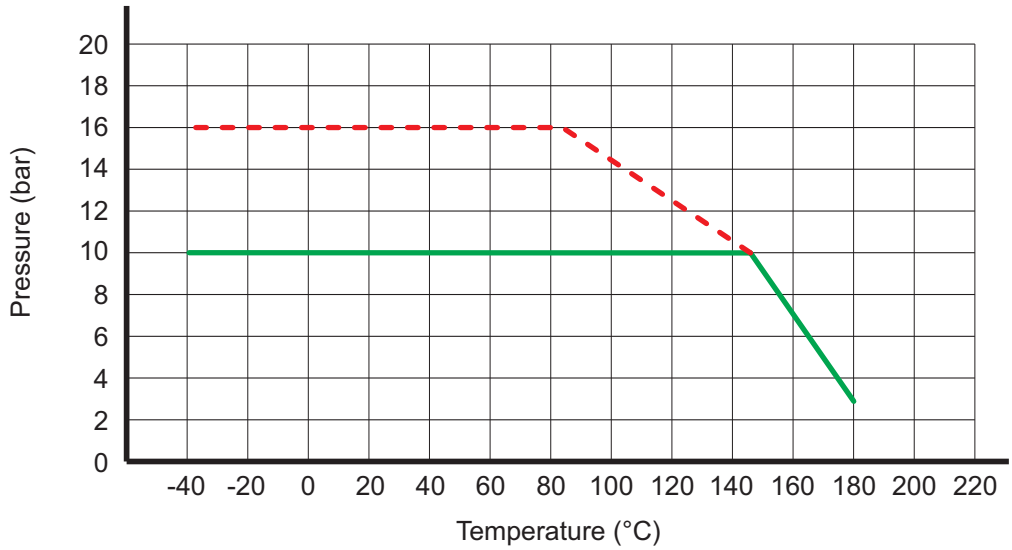
Size range	1.1/2 ÷ 12 (DN40 ÷ DN300)
Type	Wafer, Lug
Face to face dimension	EN 558 series 20
Top flange	ISO 5211
Max working pressure	10 bar - bidirectional
Flange drilling	PN10, PN16, ANSI150
Operating temperature	-20 °C ÷ +180 °C (-4 °F ÷ + 356 °F)
Standard materials	Body: Ductile Iron GGG40 Disc: Stainless Steel CF8M + PTFE Stem: AISI 316 Seat: PTFE liner thickness 3 mm min + Silicon
Leakage class	Rate A - No leakage according to EN 12266-1
Applications	Higly corrosive fluids, toxic media, Pharmaceutical, Chemical and Food industries, Naval installation, other applications with compatible materials to working conditions
Certifications	2014/68/UE PED, 2014/34/UE ATEX, SIL IEC 61508 - IEC 61511 GOST-R, CU TR 10 CU TR 32

Wafer type



Lug type

Pressure / Temperature diagram



Torque value (Nm)

DN	50 2"	65 2.1/2"	80 3"	100 4"	125 5"	150 6"	200 8"	250 10"	300 12"
Nm	30	40	54	61	112	143	247	325	377

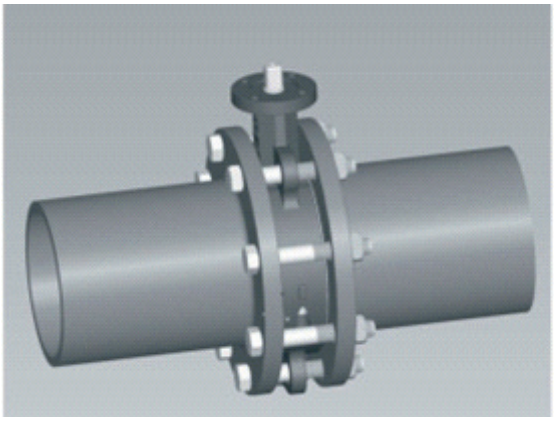
Torque values specified are based on dry media and are measured with air at 20°C and Δp max. 10 bar. Torque value must be encreased to safety factor +25% for wet media, +30 for dry media. Value specified are reffered to break to open (BTO)

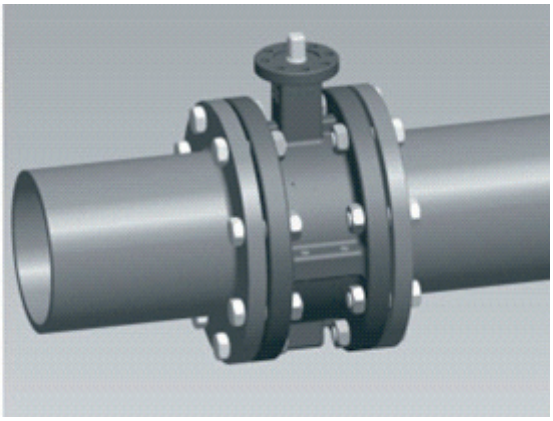
Cv value

DN / ANGLE	50 2"	65 2.1/2"	80 3"	100 4"	125 5"	150 6"	200 8"	250 10"	300 12"
20°	2	5	6	12	20	58	111	185	268
30°	6	9	15	29	48	96	176	298	437
40°	15	34	38	70	112	209	373	553	862
50°	31	71	80	145	235	340	607	966	1462
60°	55	124	146	260	421	582	1030	1564	2352
70°	90	202	256	462	748	928	1644	2464	3838
80°	112	251	402	723	1165	1710	3031	4026	6261
90°	121	272	476	857	1382	2282	4037	4821	7054

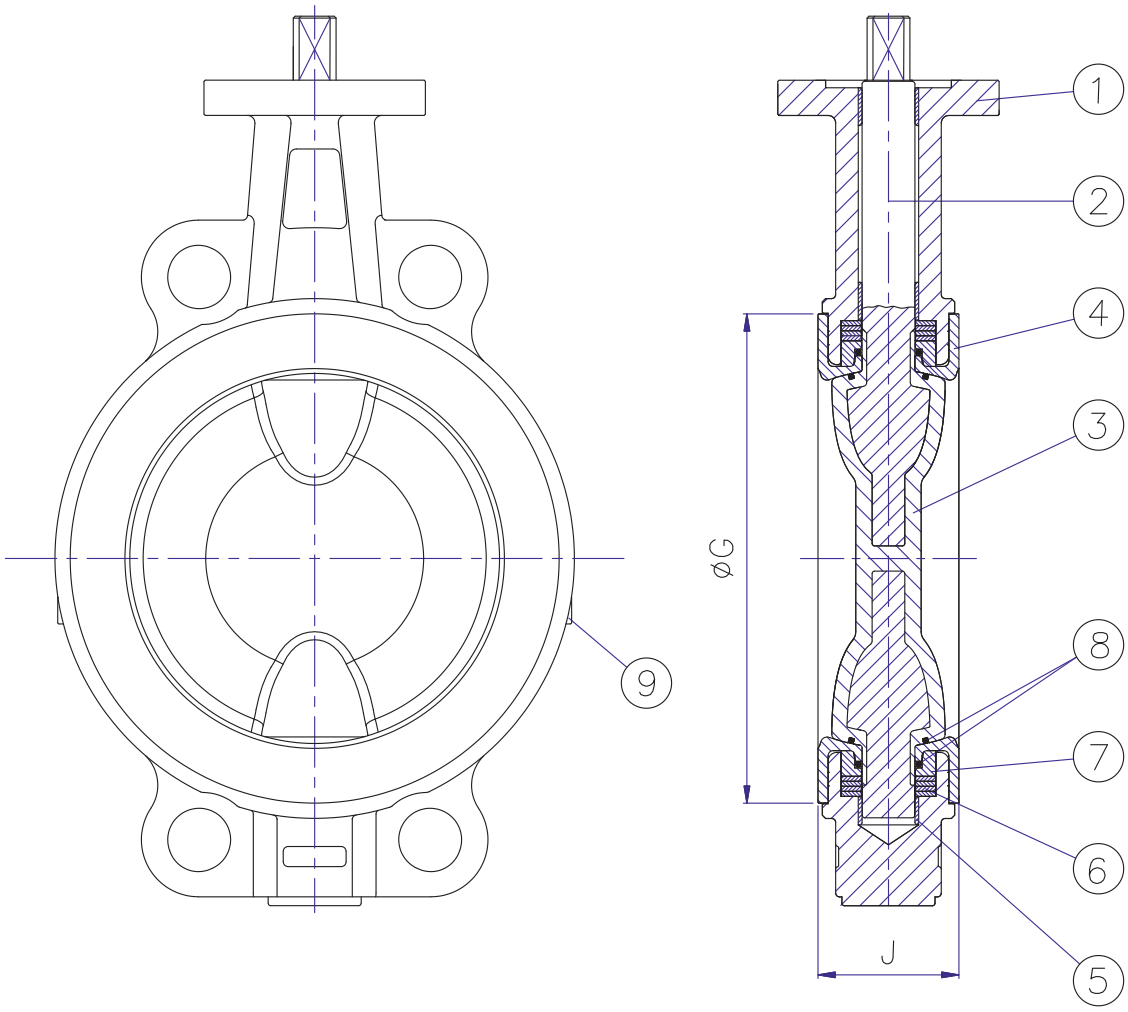
Recommended practice for installation

S301TT series butterfly valves are suitable for a variety of flange mounting standards, such as UNI EN 1092-1 PN10/16, ANSI B16.5 Class 150, JIS B2212 10K design standards flanges.
Valves do not need additional gaskets for installation between the flanges



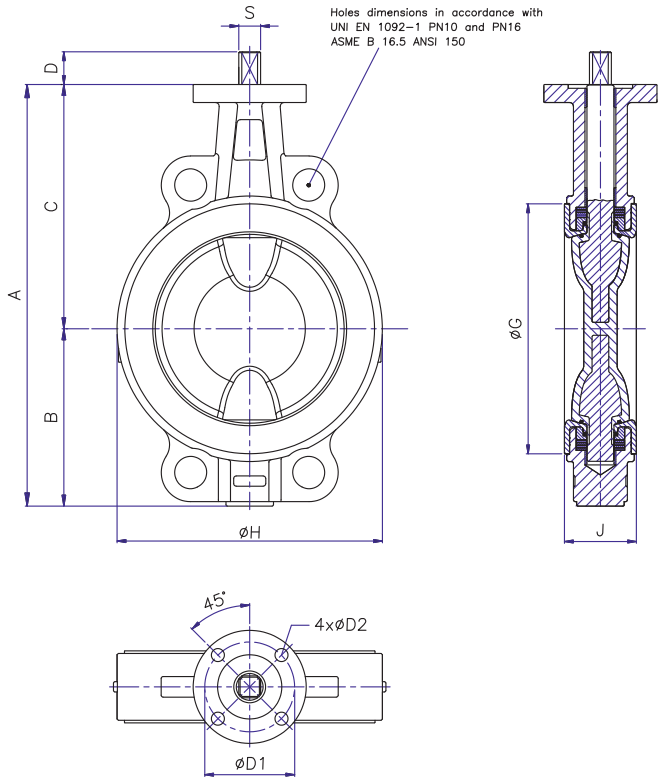


Sectional Drawing / Standard materials



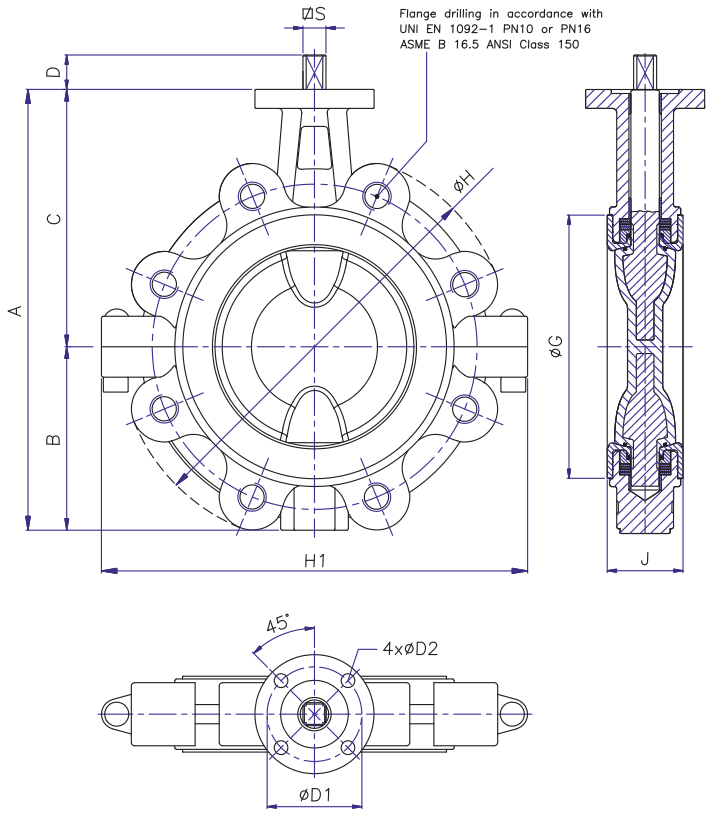
n°	COMPONENTE / *Item*	MATERIALE / *Material*
1	**CORPO** / *Body*	**DUCTILE IRON GGG40**
2	**DISCO + STELO** / *Disc + Stem*	**CF8M / AISI 316**
3	**RIVESTIMENTO DISCO** / Disc Coating	**PTFE**
4	**LINER** / *Liner*	**PTFE**
5	**BOCCOLE PAP** / *PAP Bushing*	**AISI 304 + PTFE**
6	**MOLLE A TAZZA** / *Spring Washer*	**S. STEEL 2CR13**
7	**ANELLO DI PRESSIONE** / *Gland*	**AISI 316**
8	**O-RING** / *O-Ring*	**BUNA N**
9	**VITE CORPO** / *ScrewRing*	**S. STEEL**

Dimensional drawing - Wafer type



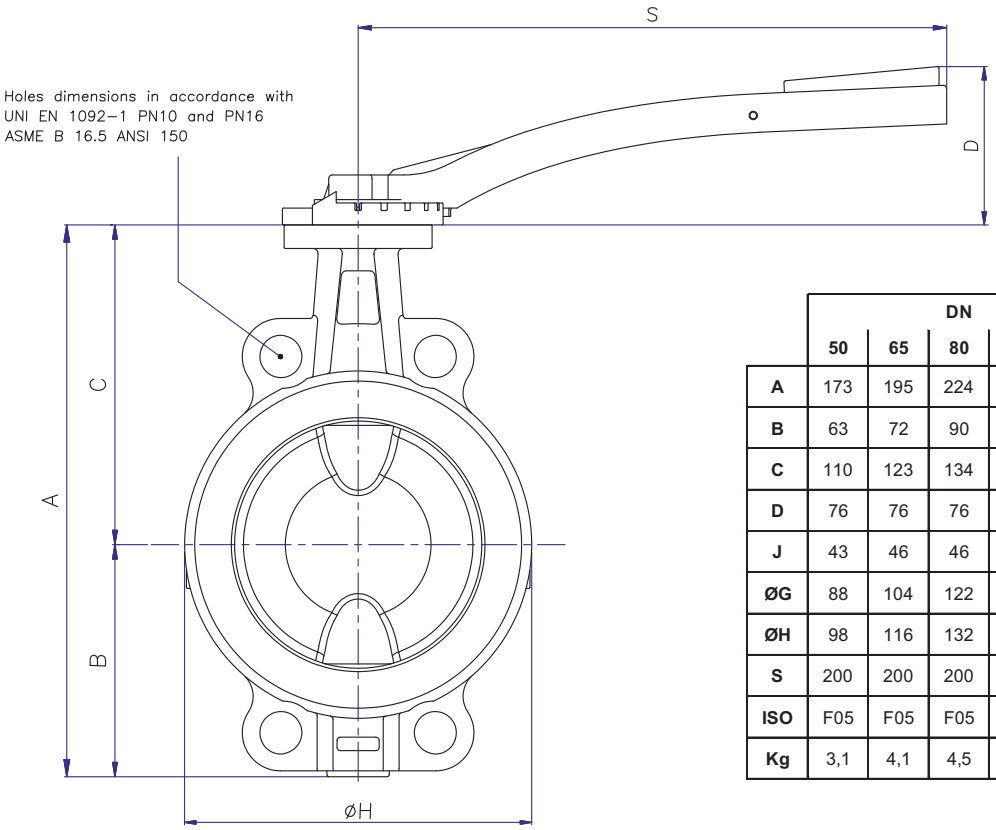
DN	A	B	C	D	J	øG	ØH	□S	øD1	4 x øD2	ISO	Kg
50	173	63	110	32	43	88	98	11	50	7	F05	2,9
65	195	72	123	32	46	104	116	11	50	7	F05	3,9
80	224	90	134	32	46	122	132	11	50	7	F05	4,3
100	261	108	153	32	52	145	158	14	70	8,5	F07	6,8
125	292	120	172	32	56	166	180	17	70	8,5	F07	8,7
150	328	138	190	32	56	192	208	17	70	8,5	F07	12,0
200	395	165	230	26	60	245	266	22	102	11	F10	18,0
250	470	198	272	26	68	304	328	22	102	11	F10	27,0
300	524	234	290	30	78	354	384	27	125	13,5	F12	44,0

Dimensional drawing - Lug type

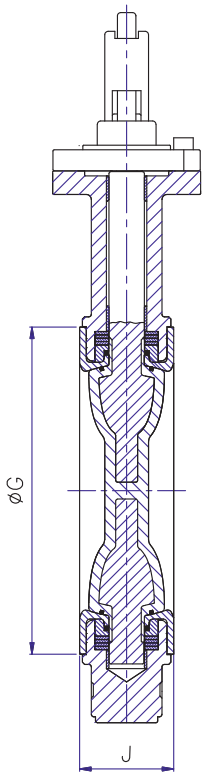


DN	A	B	C	D	J	øG	ØH	H1	□S	øD1	4 x øD2	ISO	Kg
50	173	63	110	32	43	88	158	160	11	50	7	F05	3,5
65	195	72	123	32	46	104	178	175	11	50	7	F05	4,4
80	224	90	134	32	46	122	195	212	11	50	7	F05	5,8
100	261	108	153	32	52	145	228	248	14	70	8,5	F07	9,7
125	292	120	172	32	56	166	258	285	17	70	8,5	F07	12,3
150	328	138	190	32	56	192	285	315	17	70	8,5	F07	15
200	395	165	230	26	60	245	340	375	22	102	11	F10	22,1
250	470	198	272	26	68	304	406	455	22	102	11	F10	33,6
300	524	234	290	30	78	354	480	510	27	125	13,5	F12	52,2

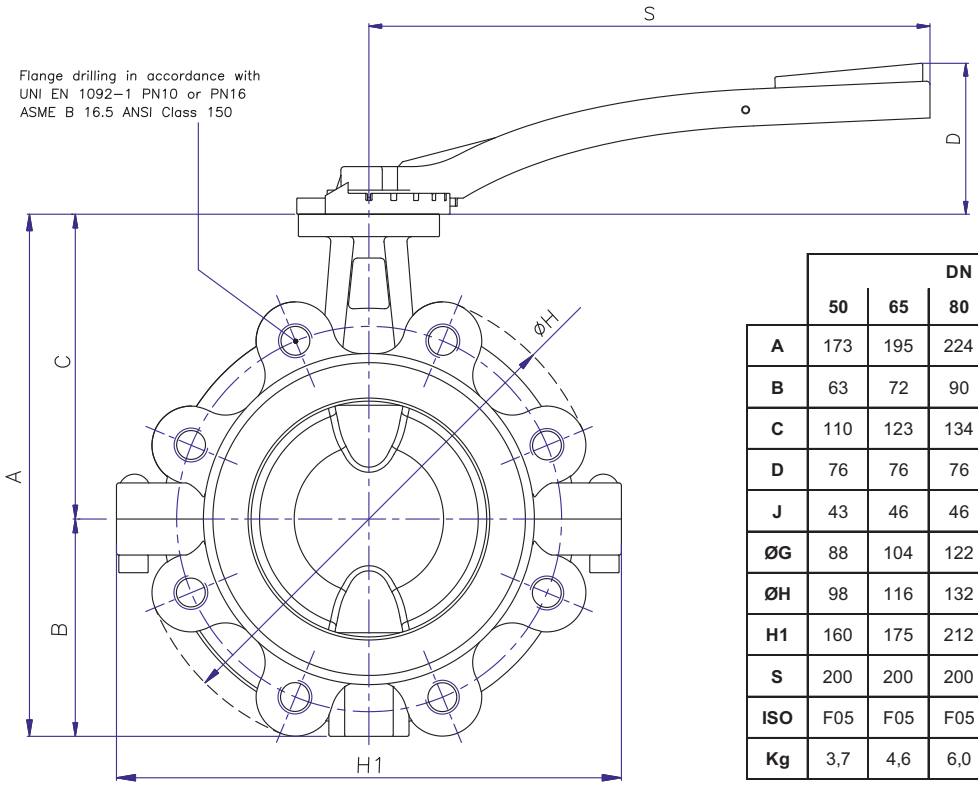
Dimensional drawing - Wafer type with hand lever



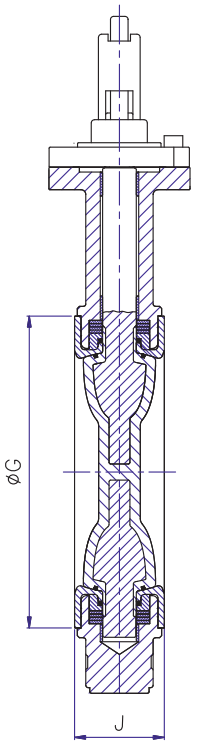
	DN				
	50	65	80	100	125
A	173	195	224	261	292
B	63	72	90	108	120
C	110	123	134	153	172
D	76	76	76	85	102
J	43	46	46	52	56
ØG	88	104	122	145	166
ØH	98	116	132	158	180
S	200	200	200	260	350
ISO	F05	F05	F05	F07	F07
Kg	3,1	4,1	4,5	7,6	9,5



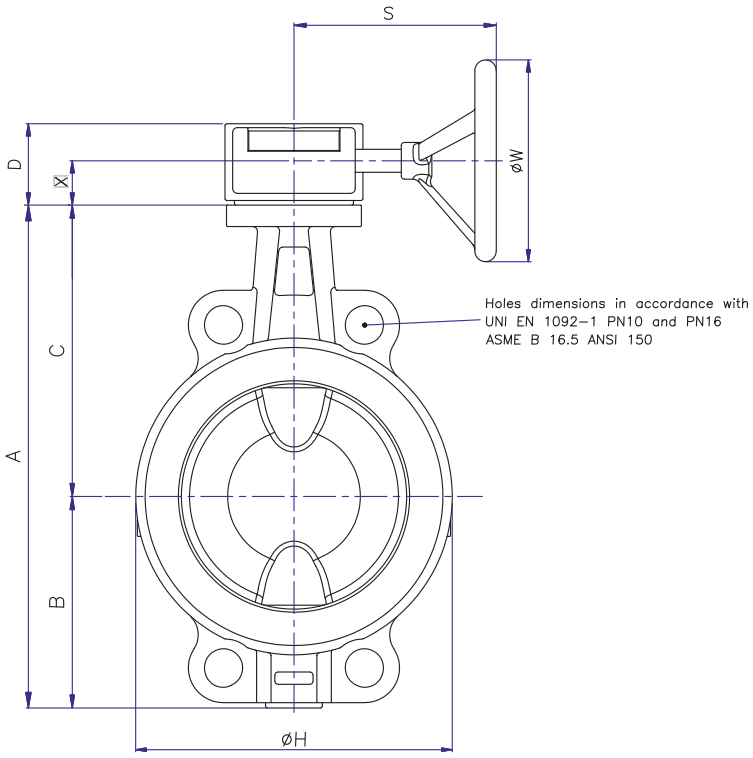
Dimensional drawing - Lug type with hand lever



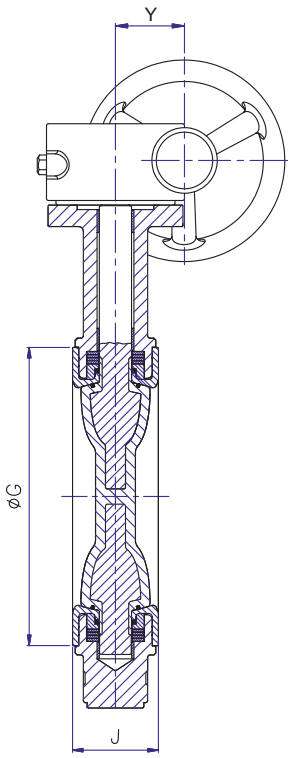
	DN				
	50	65	80	100	125
A	173	195	224	261	292
B	63	72	90	108	120
C	110	123	134	153	172
D	76	76	76	85	102
J	43	46	46	52	56
ØG	88	104	122	145	166
ØH	98	116	132	158	180
H1	160	175	212	248	285
S	200	200	200	260	350
ISO	F05	F05	F05	F07	F07
Kg	3,7	4,6	6,0	10,5	13,1



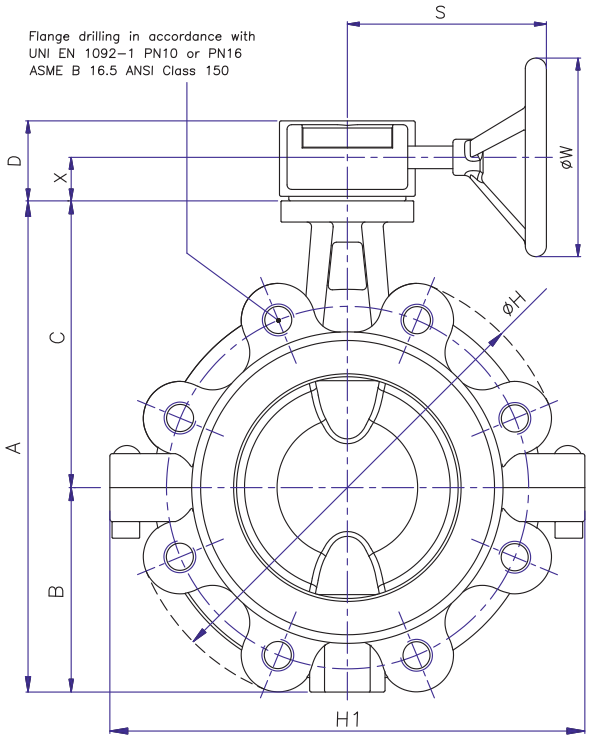
Dimensional drawing - Wafer type with gear box



	DN			
	150	200	250	300
A	328	395	470	524
B	138	165	198	234
C	190	230	272	290
D	54	56	69	95
J	56	60	68	78
ØG	192	245	304	354
ØH	208	266	328	384
S	160	215	225	375
ISO	F07	F10	F10	F12
X	28	30	36	45
Y	50	60	60	81
ØW	200	250	250	300
Kg	13,5	20,9	32,3	49,5



Dimensional drawing - Lug type with gear box



	DN			
	150	200	250	300
A	328	395	470	524
B	138	165	198	234
C	190	230	272	290
D	54	56	69	95
J	56	60	68	78
ØG	192	245	304	354
ØH	208	266	328	384
H1	315	375	455	510
S	160	215	225	375
ISO	F07	F10	F10	F12
X	28	30	36	45
Y	50	60	60	81
ØW	200	250	250	300
Kg	16,5	25,0	39,0	57,5