

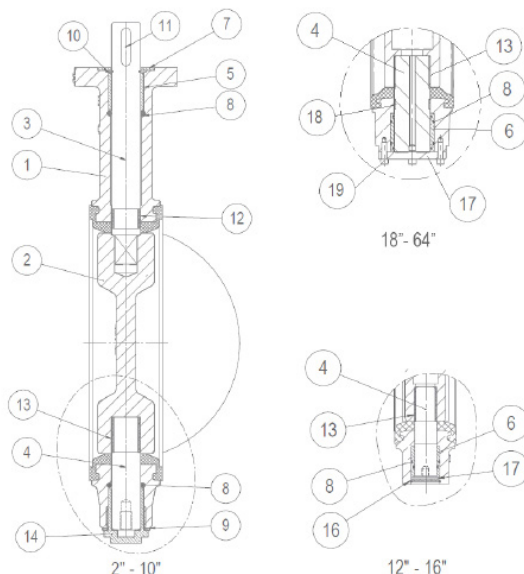
DOUBLE FLANGED 116

- Body construction 116 Double Flanged 2"-64"
- Face to face ISO 5752 (series 20)/ API 609/ BS 5155
BS EN593/ EN-558-1/(series 20)
- Flanges ISO 7005-2 PN 10/16 (EN 1092-2 PN 10/16)
ANSI B16.1 class 125/ B16.1 class 150
- Top flange EN ISO 5211
- Max working pressure PN 16
- Temperature range -20°C + 140°C according to material
- Operation Handwheel
Lever
Electric actuator
Pneumatic actuator
- Coating Epoxy min 80 micron UV resistance
- Disc Worthite/ Duplex/ Super Duplex/ SS 316/ UB6
Ductile Iron Enamel/ Halar/ Rilsan coated
Ductile Iron rubber vulcanized EPDM/ NBR
Hypalon/ Butyl
- Tightness test According to EN 12266-1:2003
- Material certificate EN 10204.3.1



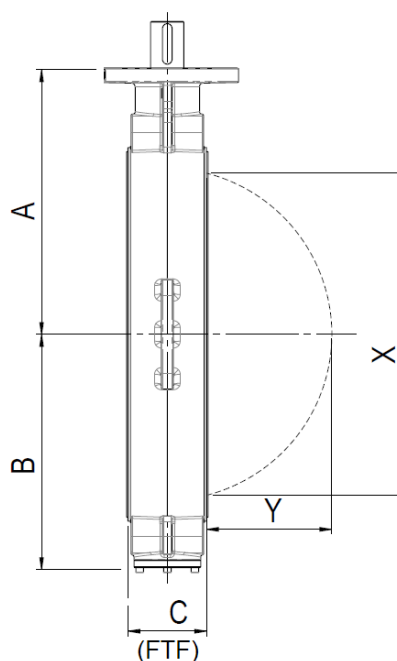
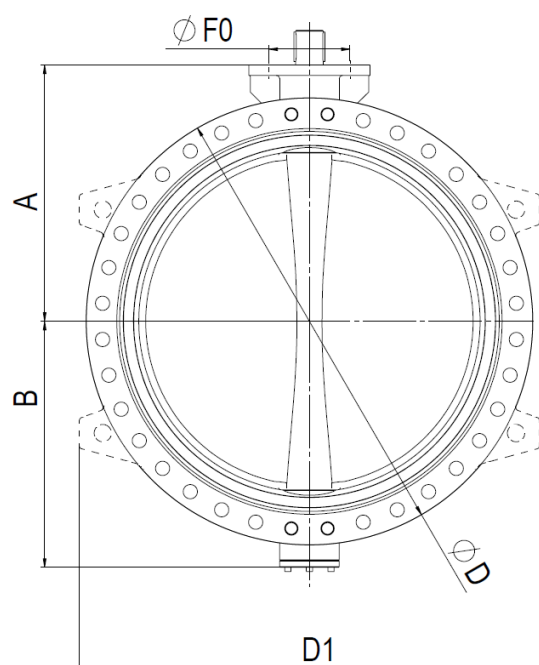
Materials

Item	Description	Material
1	Body	Ductile Iron/ Cast Iron
	Seat (vulcanized)	EPDM/ NBR/ Butyl/ Hypalon
2	Disc	As specified above
3,4	Shaft/ Axle	SS420/ SS316/ Duplex
5,6,14,18	Bush	Brass/ Reinforced Nylon/ PP
7	Washer	Steel Galvanized
8	O-Ring	NBR/ EPDM
9	Sealing Ring	Fiber
10,16	Circlip	Spring Steel
11	Woodruff Key/ Rectangular Key	Steel
12,13	Bush	Reinforced Nylon
17	Retaining Ring	Steel
19	Screws	Carbon Steel Galvanized



DOUBLE FLANGED 116

Dimensions



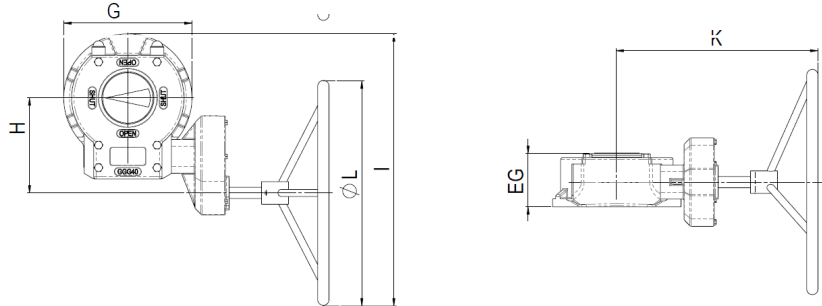
mm	300	350	400	450	500	600	700	750	800	900	1000	1050	1100	1200	1300	1400	1600
inch	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	40"	42"	44"	48"	52"	56"	64"
A	301.5	315	360.5	390	450	510	560	590	610	690	740	800	820	860	940	1000	1180
B	243.5	259	295.5	342	367	426	490	525	550	615	710	762	770	860	930	985	1145
C	78	78	102	114	127	152	165	190	190	203	216	216	240	254	254	279	318
X	293	327	370	425	474	574	675	720	767	840	966	1003	1061	1144	1247	1356	1557
Y	112.5	129	141	163	182	221	265	277.5	300	330.5	387	405	424	459	509.5	553.5	632
D	460	520	580	640	715	840	925	985	1060	1175	1290	1345	1405	1510	1625	1745	1930
D1	-	-	-	-	-	-	-	-	-	-	-	1350	1410	1550	1675	1785	1980

Note: Due to company's policy of continuous improvement, Hakohav Valves reserves the right to change specification without prior notice.

ACTUATION DATA

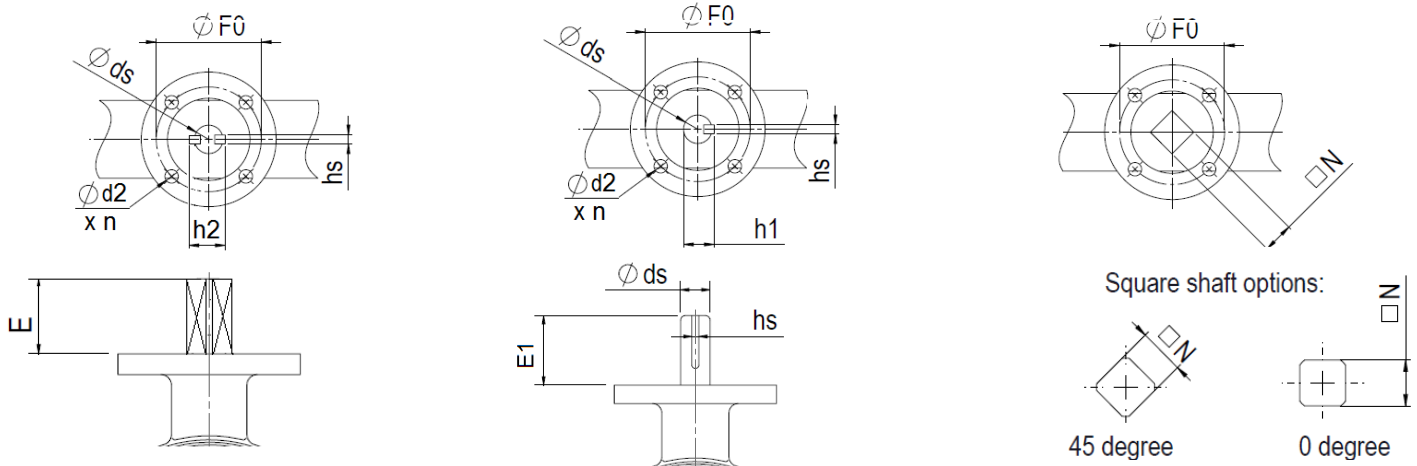
Hakohav Valves offers a wide selection of operating systems ,levers, handwheels gearboxes , pneumatic and electric actuators.
All actuators are calibrated and cycle tested before shipment to ensure safe and precise operation.

GEAR



	300	350	400	450	500	600	700	750	800	900	1000	1050	1100	1200	1300	1400	1600
Gear Option A	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	40"	42"	44"	48"	52"	56"	64"
	83	83	83	94	94	94	129	129	129	129	143.5	143.5	143.5	143.5	190	190	190
	201	201	201	330	330	330	360	360	360	360	455	455	455	455	648.5	648.5	639
	100	100	100	166	166	166	211	211	211	211	263	263	263	263	384	384	431
	410	410	410	491	566	566	604	604	654	654	733	733	733	733	941	941	1016
	235	330	330	420	420	420	447	447	457	457	500	859	500	500	571	571	611
Gear Option B	215	400	400	400	600	600	500	500	600	600	600	600	600	600	700	700	700
	74	-	-	82	86	86	-	-	-	-	-	-	-	-	-	-	-
	128	-	-	168	176	176	-	-	-	-	-	-	-	-	-	-	-
	67	-	-	80	95	95	-	-	-	-	-	-	-	-	-	-	-
	287	-	-	390	428	428	-	-	-	-	-	-	-	-	-	-	-
	220	-	-	220	250	250	-	-	-	-	-	-	-	-	-	-	-
	350	-	-	500	500	500	-	-	-	-	-	-	-	-	-	-	-

MOUNTING FLANGE (116)



	mm	300	350	400	450	500	600	700	750	800	900	1000	1050	1100	1200	1300	1400	1600
Top flange	inch	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	40"	42"	44"	48"	52"	56"	64"
	E1	60	60	60	90	90	90	98	110	93	100	100	100	100	110	170	141	140
	ds	35	35	35	45	60	60	70	70	80	80	80	90	90	100	108	115	125
	hs	8	8	8	10	12.7	12.7	20	20	20	22	22	22	22	28	32	32	32
	h1	39	39	39	50	66.3	66.3	-	-	-	-	-	-	-	-	-	-	-
	h2	-	-	-	-	-	-	79	80	90	90	90	100	100	116	121	128	139
	d2	11	17	17	17	17	17	17	17	17	17	17	21	21	21	32	32	32
	n	4	4	4	4	4	4	8	8	8	8	8	8	8	8	8	8	8
	N	22	27	27	36	36	46	Acc.to ISO 5211										
	E	22	27	27	36	36	46											
to ISO 5211		F10	F14	F14	F14	F14	F14	F25	F25	F25	F25	F25	F30	F30	F30	F35	F35	F35