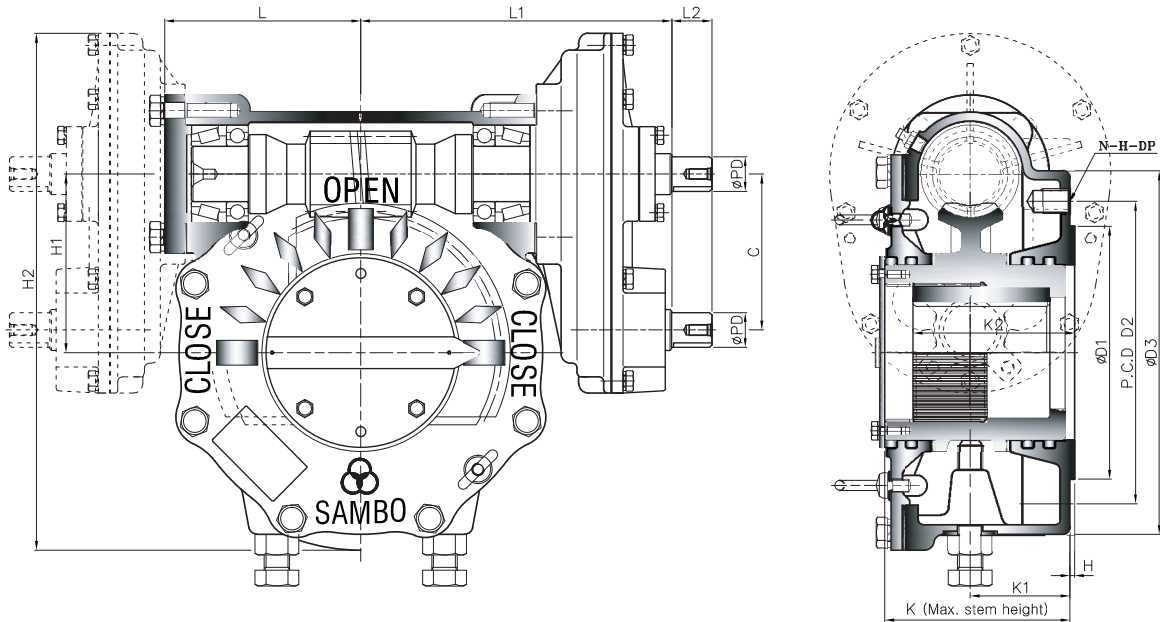
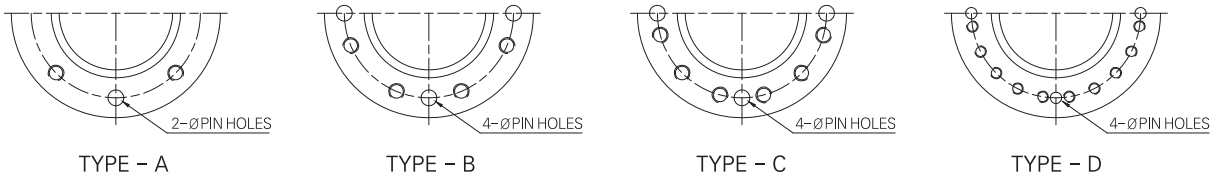


STANDARD TYPE-A Twin Shaft

Horizontal Input with Single Reduction Gear Attachment



• Pin hole size is same as tap out diameter



Dimension

UNIT : mm

DIM MODEL	BASE PART							EXTERNAL PART							INPUT SHAFT PART			HAND WHEEL					
	TYPE	FLANGE	ØD1	P.C.D		ØD3	H	H1	H2	K	K1	K2	C	L	L1	L2	ØPD		KEY				
				ØD2	N-H-DP																		
SBWG-00-1ST	A	F-12	85	125	4-M12-18	165	2	69.5	210	86.5	43	53.6	55.9	86	183	29	21	6X6	300				
SBWG-01-1ST		F-14	100	140	4-M16-24	190		82.5	235.5	96	53	65		95	192				400				
SBWG-02-1ST		F-16	130	165	4-M20-30	220		97	282	109.5	56	75.5		68.6	108				214.5	34	26	8X7	500
SBWG-03-1ST	B	(F-16) F-20	160	205	8-M16-24	250	3	112	312	116	59	87	68.6	118	224.5	34	26	8X7	560				
SBWG-35-1ST		F-25	200	254	8-M16-24	300		127	339.5	126	63	91		125	236.5				630				
SBWG-04-1ST		F-25	200	254	8-M16-24	300		153	417.5	147	73	120		153	286				710				
SBWG-05-1ST		F-30	230	298	8-M20-30	350		180	469.5	155	78	141		121.2	163				296	34	32	10X8	710
SBWG-55-1ST			230	298	8-M20-30	350		202	516.5	162	80	144		183	316				800				
SBWG-06-1ST		F-35	260	356	8-M30-45	415		230	621	200	109	175		169	117				376	44	38	12X8	800
SBWG-07-1ST		F-40	300	406	8-M36-55	475		280.5	723	227	116	209		169	252				411	44	38	12X8	900
SBWG-75-1ST	C	F-48	370	483	12-M36-55	560	5	326	860	246	120	220	230	279	531	58	50	16X10	1000				
SBWG-08-1ST			370	483	12-M36-55	560		379	968	254	125	245		314	566								
SBWG-09-1ST	D	F-60	470	603	20-M36-55	700	5	448.5	1107.5	284	138	270	284.3	354	606	58	50	16X10	1000				
SBWG-10-1ST						800		513	1291	352	164	330		426	746								
SBWG-11-1ST						900		616.5	1499.5	400	181	370		468.5	788.5								
SBWG-12-1ST						1000		711	1751	484	265	455		554	969								
SBWG-13-1ST						1000		809	1944	546	301	515		334	609					1009			

Worm Gear Actuators

❖ Feature

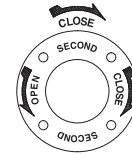
- All mounting bases conform to ISO 5210/1 standards.
- All castings are ductile iron, Class 65-45-12 excellent strength and impact resistance.
- Worm gear material is available in two option.
 - ▶ Ductile iron, Class 80-55-06
 - ▶ Aluminum bronze, B148-C95800
- Worm is 1045 heat treated Carbon steel.
- Removable splined bushing to permit accurate positioning between gear drive and valve stem.
- Options include hand wheels and etc.

Second Input Shaft (Low Speed Input Shaft)

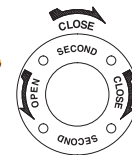
Provides maximum mechanical advantage for seating and unseating of valves.

Primary Input Shaft (High Speed Input Shaft)

Allow for less turns after valve has been unseating.



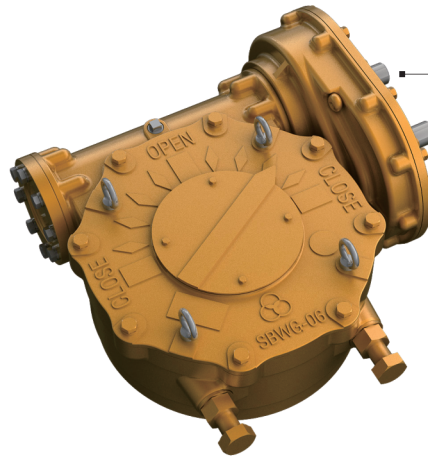
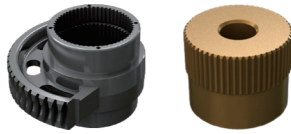
CW-CLOSE



CW-CLOSE

Bushing Type

Splines permit accurate alignment of valve stem key.



❖ Selection Chart for Manual Operation

SIZE MODEL	GEAR RATIO		MAX. STEM ACCEPTANCE	MOUNTING OPTION & STANDARD	MAX. TORQUE CAPACITY		WEIGHT Kg
	PRIMARY	SECOND			N-m	Ft. lbf	
SBWG-00-1ST	40 : 1	80 : 1	36 (10X8)	F-10 , F-12	1200	885	12
SBWG-01-1ST	44 : 1	88 : 1	46 (14X9)	F-10 , F-12 , F-14	2000	1475	15
SBWG-02-1ST	48 : 1	121.6 : 1	60 (18X11)	F-12 , F-14 , F-16	2800	2065	25
SBWG-03-1ST	52 : 1	131.7 : 1	75 (20X12)	F-14 , F-16 , (F-20)	4300	3172	33
SBWG-35-1ST	52 : 1	131.7 : 1	80 (22X14)	F-16 , (F-20) , F-25	6100	4499	40
SBWG-04-1ST	56 : 1	168 : 1	95 (25X14)	F-16 , (F-20) , F-25	10400	7671	66
SBWG-05-1ST	60 : 1	180 : 1	115 (32X18)	F-25 , F-30	15900	11727	88
SBWG-55-1ST	62 : 1	186 : 1	125 (32X18)	F-25 , F-30	23500	17333	107
SBWG-06-1ST	64 : 1	256 : 1	140 (36X20)	F-25 , F-30 , F-35	32800	24192	175
SBWG-07-1ST	68 : 1	272 : 1	180 (45X25)	F-30 , F-35 , F-40	51100	37689	271
SBWG-75-1ST	66 : 1	330 : 1	210 (50X28)	F-35 , F-40 , F-48	81500	60111	422
SBWG-08-1ST	66 : 1	330 : 1	250 (56X32)	F-40 , F-48	121000	89245	545
SBWG-09-1ST	66 : 1	330 : 1	280 (63X32)	F-48 , F-60	192500	141981	902
SBWG-10-1ST	64 : 1	320 : 1	320 (70X36)	F-60	275000	202830	1426
SBWG-11-1ST	68 : 1	340 : 1	360 (80X40)	F-60	442000	326002	2182
SBWG-12-1ST	70 : 1	350 : 1	400 (90X45)	F-60 , (F-80)	610000	449913	3081
SBWG-13-1ST	72 : 1	360 : 1	440 (100X50)	F-60 , (F-80)	970000	715435	3980

Size and component specification in this catalogue are subject to change without prior notice for quality improvement.