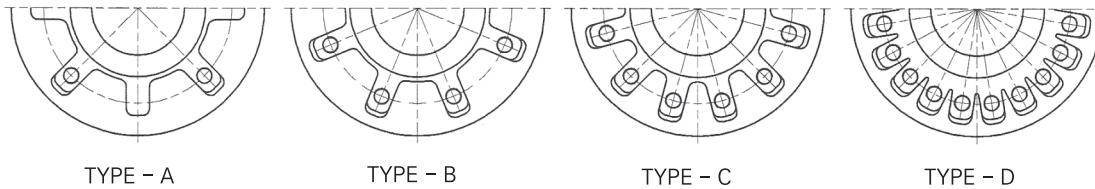
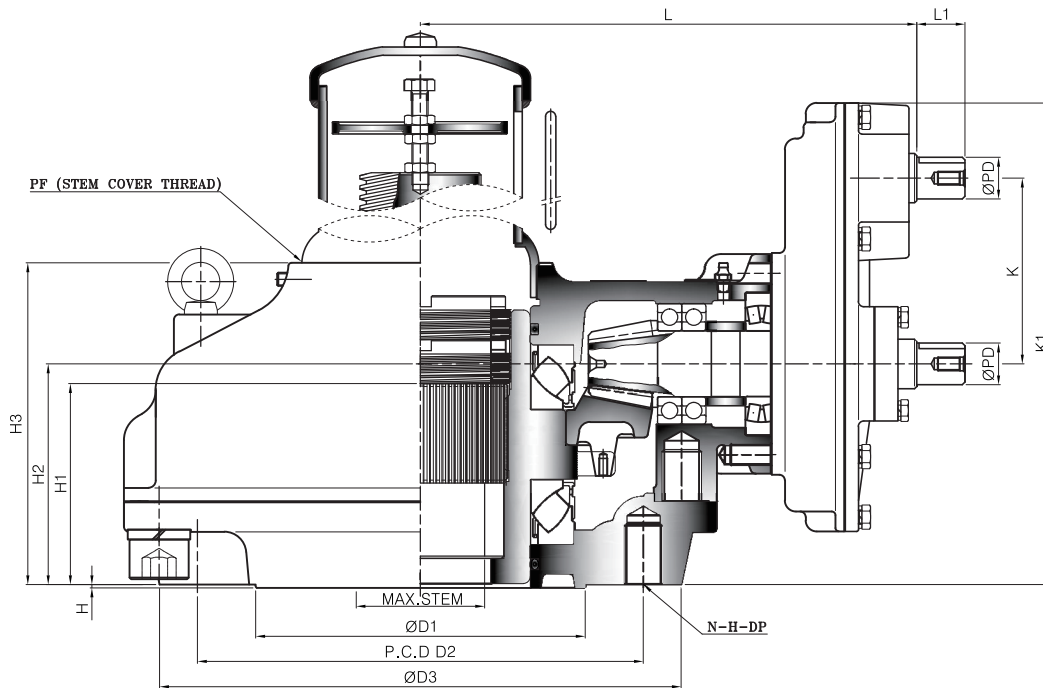


STANDARD TYPE-A Twin Shaft

Thrust & Torque (Twin Shaft) Horizontal Input with Single Reduction Gear Attachment



Dimension

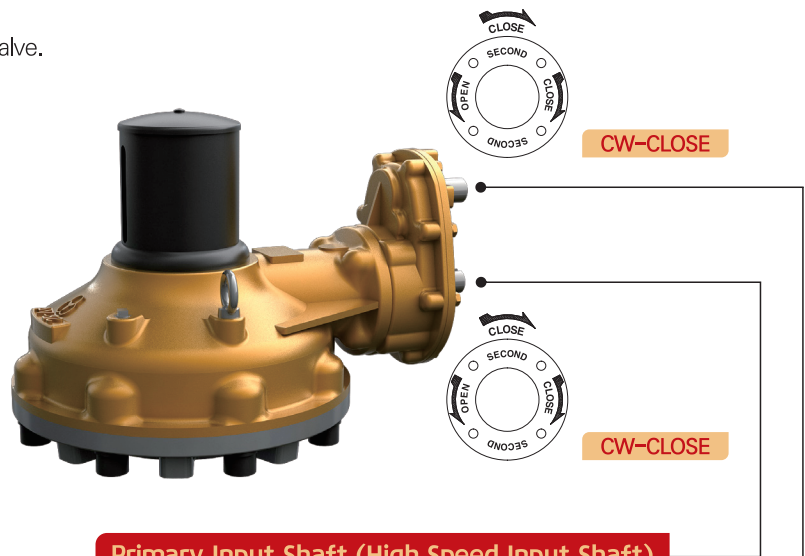
UNIT : mm

DIM MODEL	BASE PART							EXTERNAL PART					INPUT SHAFT PART			HAND WHEEL	STEM COVER	
	TYPE	FLANGE	ØD1	P.C.D		ØD3	H	H1	H2	H3	K	K1	L	L1	ØPD			KEY
				ØD2	N-H-DP													
SB-V0-1ST	A	F-14	100	140	4-M16-24	175	3	72	81	121	79	203	201.5	34	26	8X7	250	PF2-1/2"
SB-V1-1ST		F-16	130	165	4-M20-30	210		84	98	140	79	220	214				300	PF3"
SB-V2-1ST	B	(F-16) F-20	140	205	8-M16-24	250	3	95	115	159.5	93	256	236.5	34	26	8X7	400	PF3-1/2"
SB-V3-1ST		F-25	200	254	8-M16-24	300		102	119	166.5	93	260	256.5				500	PF4"
SB-V35-1ST		F-30	230	298	8-M20-30	350		122	138	195	121	316	333				630	PF5"
SB-V4-1ST		F-35	260	356	8-M30-45	410		133	150	209	121	328	358				710	PF6"
SB-V5-1ST		F-35	260	356	8-M30-45	415		161	177	245	145	384.5	387					
SB-V55-1ST		F-40	300	406	8-M36-55	475		171	192	261	145	399.5	407				800	PF8"
SB-V6-1ST	F-40	300	406	8-M36-55	475	185	201	283	169	439	472	44	38	12X8	800	PF8"		
SB-V7-1ST	C	F-48	370	483	12-M36-55	560	5	206	222	309	169	459	497	44	38	12X8	900	PF8"
SB-V75-1ST		F-48	370	483	12-M36-55	560		221	248	340	230	564	620	58	50	16X10	1000	PF10"
SB-V8-1ST		F-48	370	483	12-M36-55	560		233	259	352	230	575	651	58	50	16X10	1000	PF10"
SB-V85-1ST	D	F-60	470	603	20-M36-55	700	5	248	278	373	230	594	695	58	50	16X10	1000	PF12"
SB-V9-1ST		F-60	470	603	20-M36-55	700		263	295	398	284	696	821	58	50	16X10	1000	PF12"
SB-V10-1ST		(F-60) F-80	650	800	20-M42-63	900		378	375	490	284	775	886					

Spiral Bevel Gear Actuators

❖ Feature

- This series suitable for use with Gate & Globe type valve. Also sluice gates and any other type requiring linear motion for thrust and torque applications.
- Unique Top Entry Replaceable Stem Nut. High Tensile Aluminum bronze material providing corrosion and abrasion resistance.
- Castings are Ductile Iron, class 65-45-12 providing high strength and impact resistance.
- Heavy duty roller bearings supporting both radial & axial thrust loads.
- Gears are Machine cut, heat treated and ground for optimum operation Units are completely O-Ring Sealed suitable for temporary submergence to meet Ip67 class.
- Many options, such as hand wheels, stem covers are available.



Primary Input Shaft (High Speed Input Shaft)

Allow for less turns after valve has been unseating.

Second Input Shaft (Low Speed Input Shaft)

Provides maximum mechanical advantage for seating and unseating of valves.

❖ Selection Chart for Manual Operation

MODEL	GEAR RATIO		MAX. STEM ACCEPTANCE		MOUNTING OPTION & STANDARD	MAX. THRUST CAPACITY		MAX. TORQUE CAPACITY		WEIGHT
	PRIMARY	SECOND	TW	KEY		KN	lbf	N-m	Ft . lbf	
SB-V0-1ST	3.25 : 1	6.5 : 1	46	38 (12X8)	F-10, F-12, F-14	127	28550	600	442	20
SB-V1-1ST	3.5 : 1	7 : 1	55	45 (14X9)	F-14, F-16	141	31700	980	723	26
SB-V2-1ST	4 : 1	10.13 : 1	62	52 (16X10)	F-14, F-16, (F-20)	190	42710	1500	1106	41
SB-V3-1ST	5 : 1	12.66 : 1	72	60 (18X11)	F-16, (F-20), F-25	288	64750	2500	1844	52
SB-V35-1ST	5.5 : 1	16.5 : 1	85	72 (20X12)	F-25, F-30	350	78680	3500	2581	90
SB-V4-1ST	6 : 1	18 : 1	98	84 (22X14)	F-25, F-30, F-35	400	89920	5200	3835	112
SB-V5-1ST	6.56 : 1	22.94 : 1	110	95 (28X16)	F-30, F-35	510	114650	7800	5753	163
SB-V55-1ST	7 : 1	24.5 : 1	120	105 (28X16)	F-30, F-35, F-40	1500	337210	10400	7671	214
SB-V6-1ST	7 : 1	28 : 1	130	115 (32X18)	F-30, F-35, F-40	2310	519300	13000	9588	281
SB-V7-1ST	7.56 : 1	30.22 : 1	150	130 (36X20)	F-40, F-48	2500	562020	17600	12981	346
SB-V75-1ST	8 : 1	40 : 1	160	140 (36X20)	F-40, F-48	3450	775590	21000	15489	532
SB-V8-1ST	8 : 1	40 : 1	180	160 (40X22)	F-40, F-48	4100	921700	32000	23602	545
SB-V85-1ST	8 : 1	40 : 1	190	170 (40X22)	F-48, F-60	5150	1157760	40000	29502	604
SB-V9-1ST	8 : 1	40 : 1	200	180 (45X25)	F-48, F-60	5450	1225180	55000	40566	1200
SB-V10-1ST	8 : 1	40 : 1	230	200 (50X28)	F-60, (F-80)	7300	2585300	75000	55317	1410

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