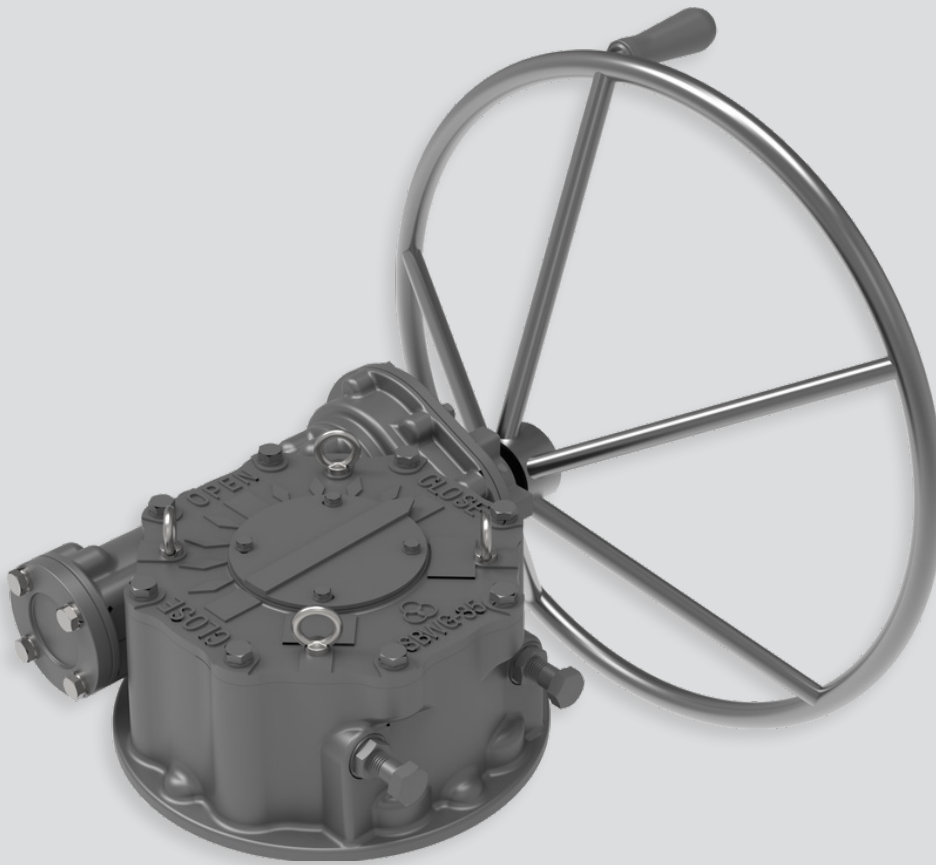


Building Connections That Last™

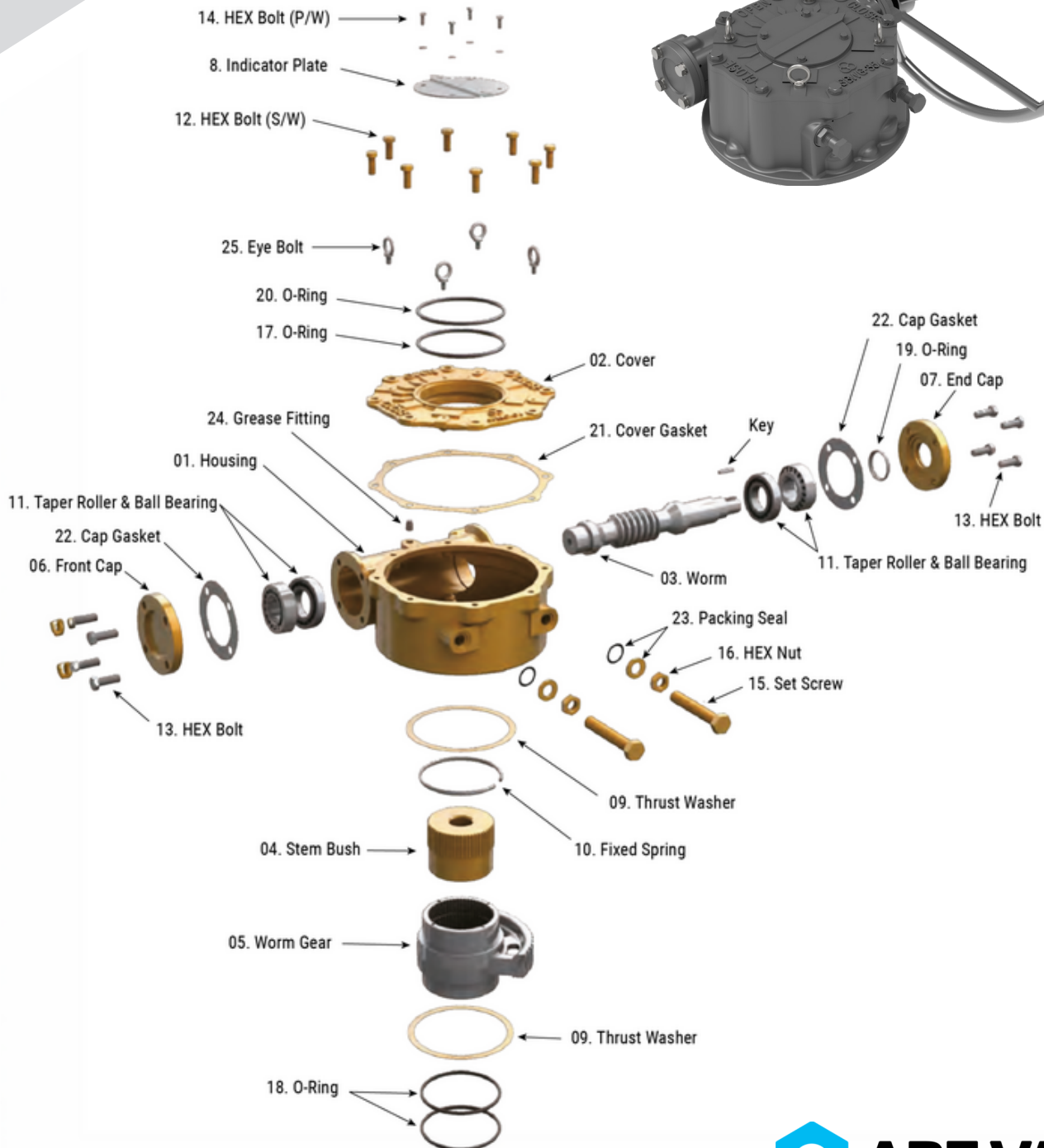
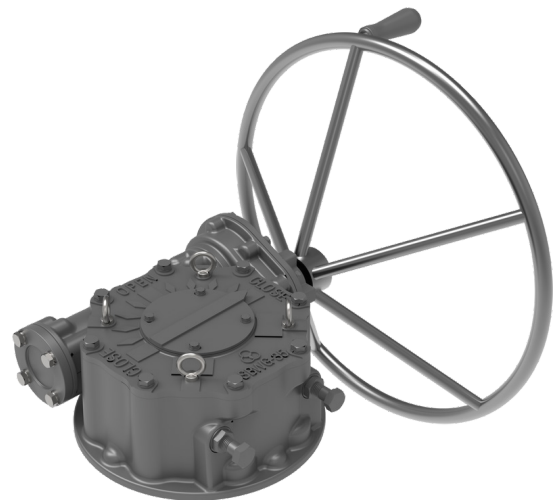


Series SBWG

Gear Operator Datasheet



Worm Gear Actuator Assembly Standard Type-A, Horizontal Input Series SBWG



Worm Gear Actuator Assembly

Standard Type-A, Horizontal Input

Series SBWG

Parts & Materials

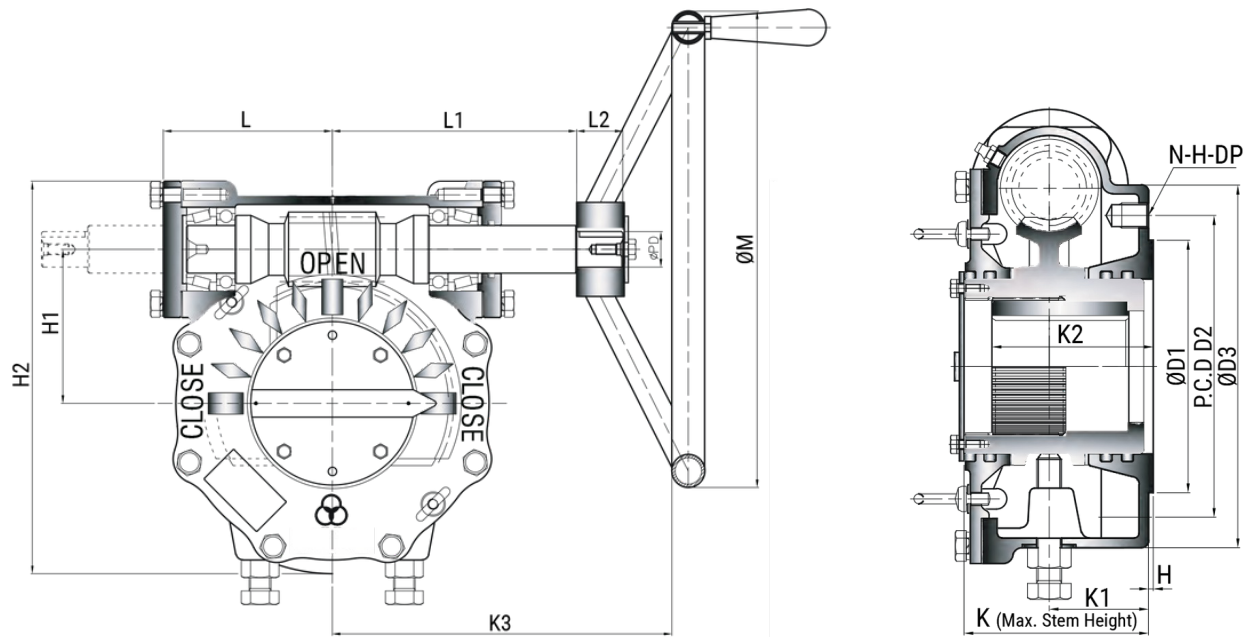
	No.	Description	Material		
			Name	JIS	ASTM
Standard	1	Housing	Ductile Iron	FCD-450	A536-65-45-12
	2	Cover	Ductile Iron	FCD-450	A536-65-45-12
	3	Worm	Carbon Steel	S45C	A576-1045
	4	Stem Bush	Ductile Iron	FCD-450	A536-65-45-12
	5	Worm Gear	Ductile Iron	FCD-600	A536-80-55-06
	6	Front Gap	Ductile Iron	FCD-450	A536-65-45-12
	7	End Cap	Ductile Iron	FCD-450	A536-65-45-12
	8	Indicator Plate	Steel + EP		
	9	Thrust Washer	Steel		
	10	Fixed Spring	Steel		
	11	Taper Roller & Ball Bearing	Special Steel	SUJ2	A295-52100
	12	HEX. Bolt	Alloy Steel	SCM435	A322-4135
	13	HEX. Bolt	Alloy Steel	SCM435	A322-4135
	14	HEX. Bolt (P/W)	Stainless Steel		
	15	Set Screw	Carbon Steel	S45C	A576-1045
	16	HEX. Nut	Carbon Steel	S45C	A576-1045
	17	O-Ring	Buna N	NBR	
	18	O-Ring	Buna N	NBR	
	19	O-Ring	Buna N	NBR	
	20	O-Ring	Buna N	NBR	
	21	Cover Gasket	Non-Asbestos		
	22	Cap Gasket	Non-Asbestos		
	23	Packing Seal	Bunan	NBR	
	24	Grease Fitting	Steel + Glavanizing		
	25	Eye Bolt	Steel + Glavanizing		
Option	OP-01.	Hand Wheel	Steel Pipe	SGP	A53
	OP-02.	Key	Carbon Steel	S45C	A576-1045
	OP-03.	Name Plate	Stainless Steel		
	OP-04.	Washer	Stainless Steel		
	OP-05.	HEX. Bolt (S/W)	Stainless Steel		

Material Detail : Option and Material Changes

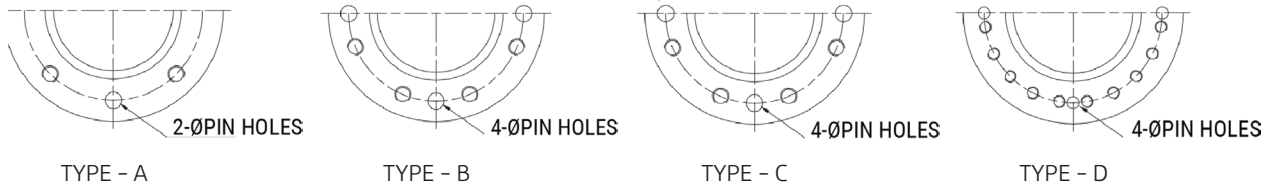
- All castings are Ductile Iron, FCD-450 (ASTM Class 65-45- 12)
- In case of option for special request, it can be worked Nickel coating, high tensile stainless.
- Also, the material can be changed as ALBC3 (Aluminium Bronze), steel (A576-1045), A439 Gr D2C (Austenitic ductile iron casting) and etc.
- O-Ring Seal & Lubricant: Standard is Buna "N", temperature range -20°C to +120°C (-4°F to +248°F). Standard lubricant is Zenith EPSB 2, temperature Range -20°C to +200°C (-4°F to +392°F). Other option are: High Temperature Viton O-Ring Grade V75 , Temperature Range -30°C to +200°C (- 22°F to +392°F) Lubricant- Zenith SYN WS2 Temperature Range -30°C~400°C (- 22°F~752°F); Low Temperature Silicon O-Ring, Temperature Range -60°C to+ 150°C (-76°F to 302°F); Lubricant – Zenith SLP402, Temperature Range-60°C~ 140°C (-76°F ~ 284°F)
- ASC offers a wide variety of Handwheels, Chainwheels, Input Shaft, Locking Devices and etc.
- ASC offers a wide variety of stem cover, stainless steel, Polycarbonate. Paint: Unless specified, units are supplied with vp184 Red epoxy primer. ASC can provide finish coating upon request.

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

Worm Gear Actuator Assembly Standard Type-A, Horizontal Input Series SBWG



* Pin hole size is same as tap out diameter



Dimensions

DIM		Base Part						External Part							Input Shaft Part				Hand Wheel
Model	Type	Flange	ØD1	P.C.D.		ØD3	H	H1	H2	K	K1	K2	K3	L	L1	L2	ØPD	Key	
				ØD2	N-H-DP														
SBWG-BF	A	F-07	55	70	4-M8-12	110	2	42	132	76	38	38.6	150	64	97	24	16	6 x 6	200
SBWG-0		F-10	70	102	4-M10-15	135		57	159.5	77	38	43.6	177	71.5	104.5				250
SBWG-00		F-12	85	125	4-M12-18	165		69.5	192	86.5	43	53.6	230	86	138				300
SBWG-01		F-14	100	140	4-M16-24	190		82.5	217.5	96	53	65	260	95	147				400
SBWG-02		F-16	130	165	4-M20-30	220		97	257	109.5	56	75.5	294	108	166				500
SBWG-03	B	(F-16) F-20	160	205	8-M16-24	250	3	112	287	116	59	87	324	118	176	34	26	8 x 7	560
SBWG-35		F-25	200	254	8-M16-24	300		127	319.5	126	63	91	329	125	181				630
SBWG-04		F-25	200	254	8-M16-24	300		153	385.5	147	73	120	370	153	207				710
SBWG-05		F-30	230	298	8-M20-30	350		180	437.5	155	78	141	400	163	217				800
SBWG-55						350		202	484.5	162	80	144	420	183	237				900
SBWG-06	C	F-35	260	356	8-M30-45	415	5	230	558.5	200	109	175	489	117	286	44	38	12 x 8	800
SBWG-07		F-40	300	406	8-M36-55	475		280.5	660.5	227	116	209	538	252	315				900
SBWG-75		F-48	370	483	12-M36-55	560		326	776	246	120	220	617	279	381				1000
SBWG-08						560		379	884	254	125	245	652	314	416				
SBWG-09						700		448.5	1023.5	284	138	270	692	354	456				
SBWG-10	D	F-60	470	603	20-M36-55	800	5	513	1191	532	164	330	814	426	614	58	50	16 x 10	1000
SBWG-11						900		616.5	1399.5	400	181	370	857	468.5	657				
SBWG-12		(F-80)	650	800	20-M42-63	1000		711	1621	484	265	455	980	554	702				
SBWG-13						1000		809	1814	546	301	515	988	609	752				

Worm Gear Actuator Assembly Standard Type-A, Horizontal Input Series SBWG

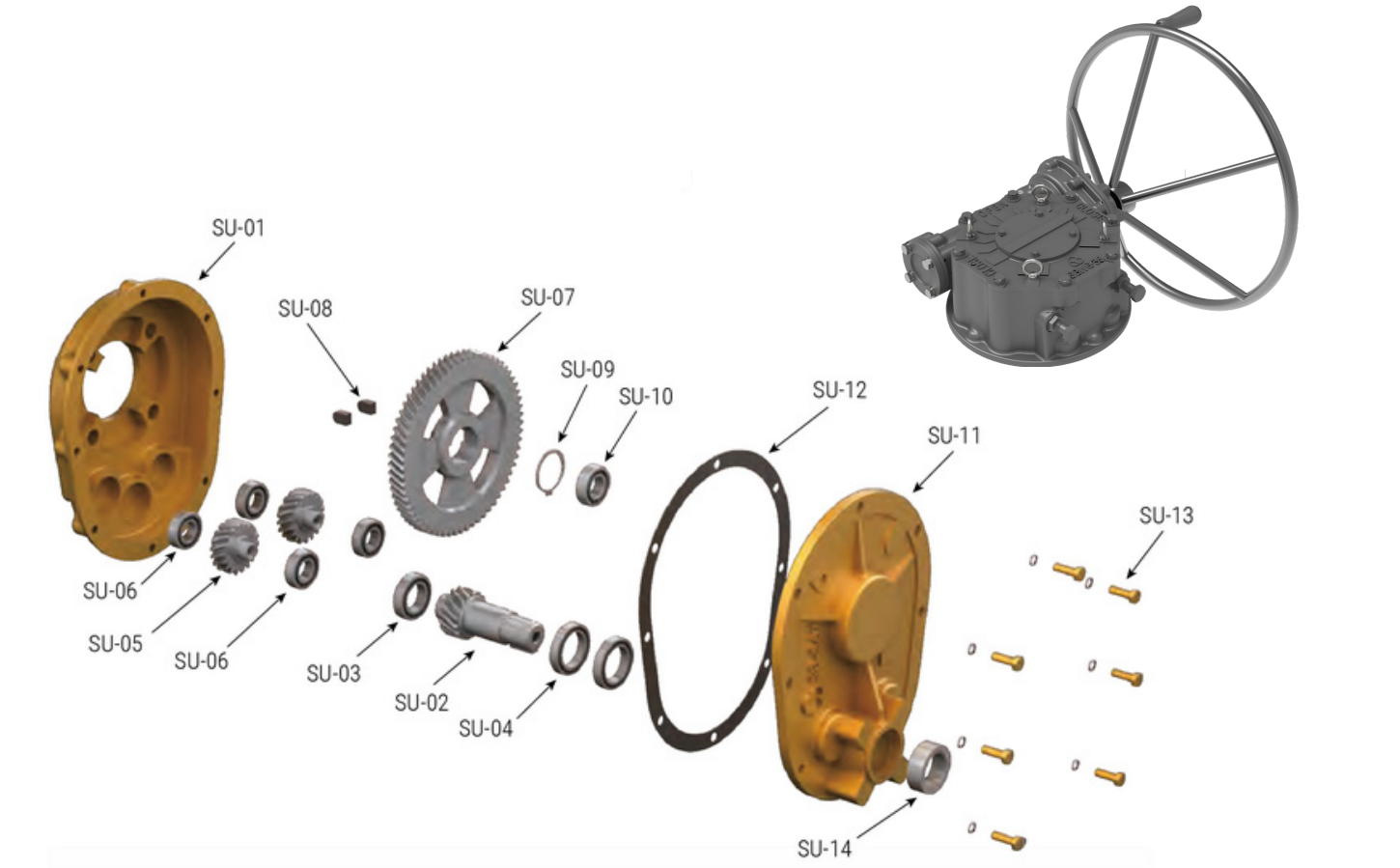


Selection Chart for Manual Operation

Model / Size	Gear Ratio	Max. Stem Acceptance	Mounting Option & Standard	Max. Torque Capacity		Weight
				N-m	Ft. lbf	Kg
SBWG-BF	32 : 1	20 (6 x 6)	F-07	360	266	4
SBWG-0	36 : 1	28 (8 x 7)	F-07, F-10	780	575	6
SBWG-00	40 : 1	36 (10 x 8)	F-10, F-12	1200	885	10
SBWG-01	44 : 1	46 (14 x 9)	F-10, F-12, F-14	2000	1475	13
SBWG-02	48 : 1	60 (18 x 11)	F-12, F-14, F-16	2800	2065	21
SBWG-03	52 : 1	75 (20 x 12)	F-14, F-16, (F-20)	4300	3172	29
SBWG-35	52 : 1	80 (22 x 14)	F-16, (F-20), F-25	6100	4499	33
SBWG-04	56 : 1	95 (25 x 14)	F-16, (F-20), F-25	10400	7671	56
SBWG-05	60 : 1	115 (32 x 18)	F-25, F-30	15900	11727	78
SBWG-55	62 : 1	125 (32 x 18)	F-25, F-30	23500	17333	97
SBWG-06	64 : 1	140 (36 x 20)	F-25, F-30, F-35	32800	24192	147
SBWG-07	68 : 1	180 (45 x 25)	F-30, F-35, F-40	51100	37689	243
SBWG-75	66 : 1	210 (50 x 28)	F-35, F-40, F-48	81500	60111	350
SBWG-08	66 : 1	250 (56 x 32)	F-40, F-48	121000	89245	473
SBWG-09	66 : 1	280 (63 x 32)	F-48, F-60	192500	141981	830
SBWG-10	64 : 1	320 (70 x 36)	F-60	275000	202830	1330
SBWG-11	68 : 1	360 (80 x 40)	F-60	442000	326002	2085
SBWG-12	70 : 1	400 (90 x 45)	F-60, (F-80)	610000	449913	2900
SBWG-13	72 : 1	440 (100 x 50)	F-60, (F-80)	970000	715435	3800

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

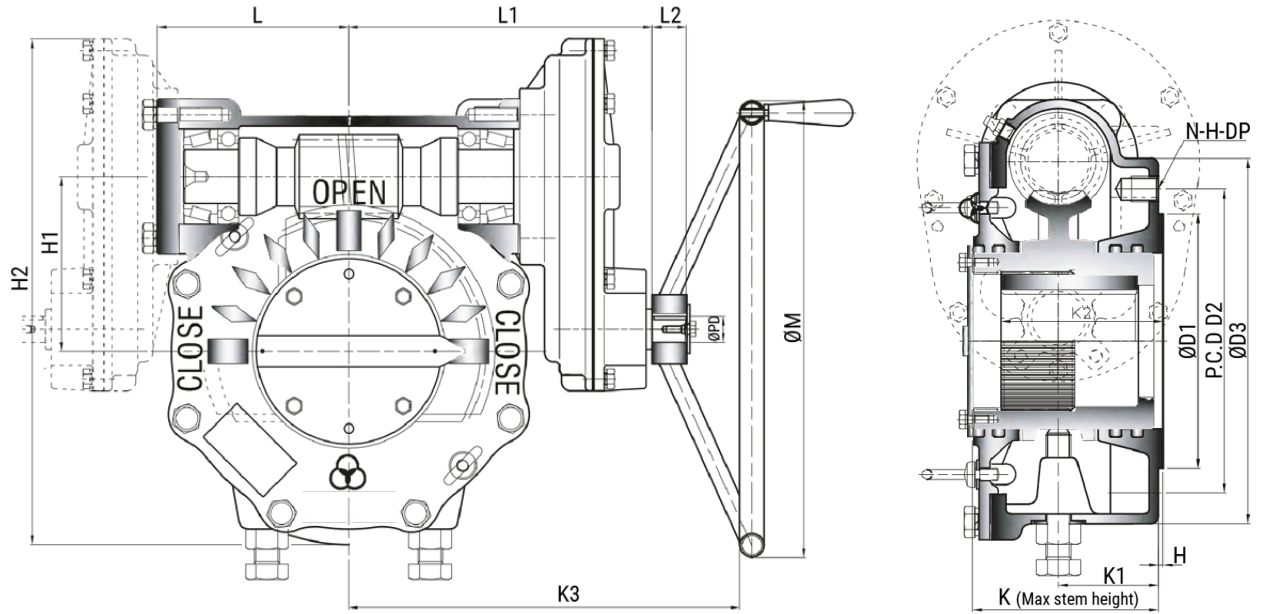
Worm Gear Actuator Assembly Standard Type-A, Horizontal Input with Single Reduction Gear Attachment Series SBWG



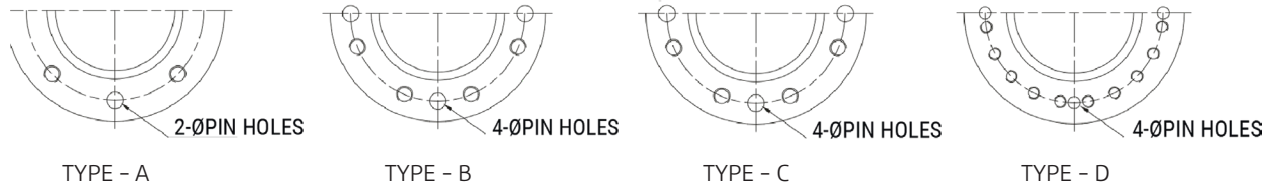
No.	Description	Material			Remark
		Name	JIS	ASTM	
1	Housing	Ductile Iron	FCD-450	A536-65-45-12	Note 1
2	Cover	Ductile Iron	FCD-450	A536-65-45-12	Note 1
3	Worm	Carbon Steel	S45C	A576-1045	Note 2
4	Stem Bush	Ductile Iron	FCD-450	A536-65-45-12	
5	Worm Gear	Ductile Iron	FCD-600	A536-80-55-06	B148-95800 (ALBC3)
6	Front Gap	Ductile Iron	FCD-450	A536-65-45-12	
7	End Cap	Ductile Iron	FCD-450	A536-65-45-12	
8	Indicator Plate	Steel + EP			
9	Thrust Washer	Steel			
10	Fixed Spring	Steel			
11	Taper Roller & Ball Bearing	Special Steel	SUJ2	A295-52100	
12	HEX. Bolt (S/W)	Alloy Steel	SCM435	A322-4135	
13	HEX. Bolt	Alloy Steel	SCM435	A322-4135	
14	HEX. Bolt (P/W)	Stainless Steel			
15	Set Screw	Carbon Steel	S45C	A576-1045	
16	HEX. Nut	Carbon Steel	S45C	A576-1045	
17	O-Ring	Buna N	NBR		Note 3
18	O-Ring	Buna N	NBR		
19	O-Ring	Buna N	NBR		
20	O-Ring	Buna N	NBR		
21	Cover Gasket	Non-Asbestos			VALQUA 6601
22	Cap Gasket	Non-Asbestos			

No.	Description	Material			Remark
		Name	JIS	ASTM	
23	Packing Seal	Buna N	NBR		Note 1
24	Grease Fitting	Steel + Galvanizing			Note 1
25	Eye Bolt	Steel + Galvanizing			Note 2
SU-01	Support Housing	Ductile Iron	FCD-450	A536-65-45-12	
SU-02	Helical Pinion	Carbon Steel	S45C	A576-1045	B148-95800 (ALBC3)
SU-03	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-04	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-05	Idle Gear	Carbon Steel	S45C	A576-1045	
SU-06	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-07	Helical Gear	Carbon Steel	S45C	A576-1045	
SU-08	Key (1R)	Carbon Steel	S45C	A576-1045	
SU-09	Snap Ring	Carbon Steel	S45C	A576-1045	
SU-10	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-11	Support Cover	Ductile Iron	FCD-450	A536-65-45-12	
SU-12	S-Cover Gasket	Non-Asbestos			VALQUA6601
SU-13	HEX. Bolt (S/W)	Alloy Steel	SCM435	A576-1045	
SU-14	Oil Seal	Buna N	NBR		
OP-01	Hand Wheel	Steel Pipe	SGP	A53	Option Handle Part
OP-02	Key (1R)	Carbon Steel	S45C	A576-1045	
OP-03	Name Plate	Stainless Steel			
OP-04	Washer	Stainless Steel			
OP-05	HEX. Bolt (S/W)	Stainless Steel			

Standard Type-A, Horizontal Input with Single Reduction Gear Attachment Series SBWG



* Pin hole size is same as tap out diameter



Dimensions

DIM		Base Part						External Part							Input Shaft Part				Hand Wheel
Model	Type	Flange	ØD1	P.C.D.		ØD3	H	H1	H2	K	K1	K2	K3	L	L1	L2	ØPD	Key	
				ØD2	N-H-DP														
SBWG-00-1S	A	F-12	85	125	4-M12-18	165	2	69.5	210	86.5	43	53.6	259	86	166	29	21	6 x 6	300
SBWG-01-1S		F-14	100	140	4-M16-24	190		82.5	235.5	96	53	65	288	95	175				400
SBWG-02-1S		F-16	130	165	4-M20-30	220		97	282	109.5	56	75.5	319	108	190.5				34
SBWG-03-1S	B	(F-16) F-20	160	205	8-M16-24	250	3	112	312	116	59	87	349	118	200.5	34	26	8 x 7	560
SBWG-35-1S		F-25	200	254	8-M16-24	300		127	339.5	126	63	91	367	125	212.5				
SBWG-04-1S		F-25	200	254	8-M16-24	300		153	417.5	147	73	120	413	153	250				
SBWG-05-1S		F-30	230	298	8-M20-30	350		180	469.5	155	78	141	443	163	260	34	32	10 x 8	710
SBWG-55-1S						350		202	516.5	162	80	144	463	183	280				
SBWG-06-1S		F-35	260	356	8-M30-45	415		230	621	200	109	175	552	117	349				
SBWG-07-1S	F-40	300	406	8-M36-55	475	280.5	723	227	116	209	607	252	384	900					
SBWG-75-1S	C	F-48	370	483	12-M36-55	560	5	326	860	246	120	220	721	279	485	58	50	16 x 10	1000
SBWG-08-1S						560		379	968	254	125	245	756	314	520				
SBWG-09-1S						700		448.5	1107.5	284	138	270	796	354	560				
SBWG-10-1S	D	F-60	470	603	20-M36-55	800	5	513	1291	352	164	330	927	426	691	58	50	16 x 10	1000
SBWG-11-1S						900		616.5	1499.5	400	181	370	969.5	468.5	733.5				
SBWG-12-1S						1000		711	1751	484	265	455	1140	554	905				
SBWG-13-1S		(F-80)	650	800	20-M42-63	1000		809	1944	546	301	515	1190	609	955				

Standard Type-A, Horizontal Input with Single Reduction Gear Attachment Series SBWG

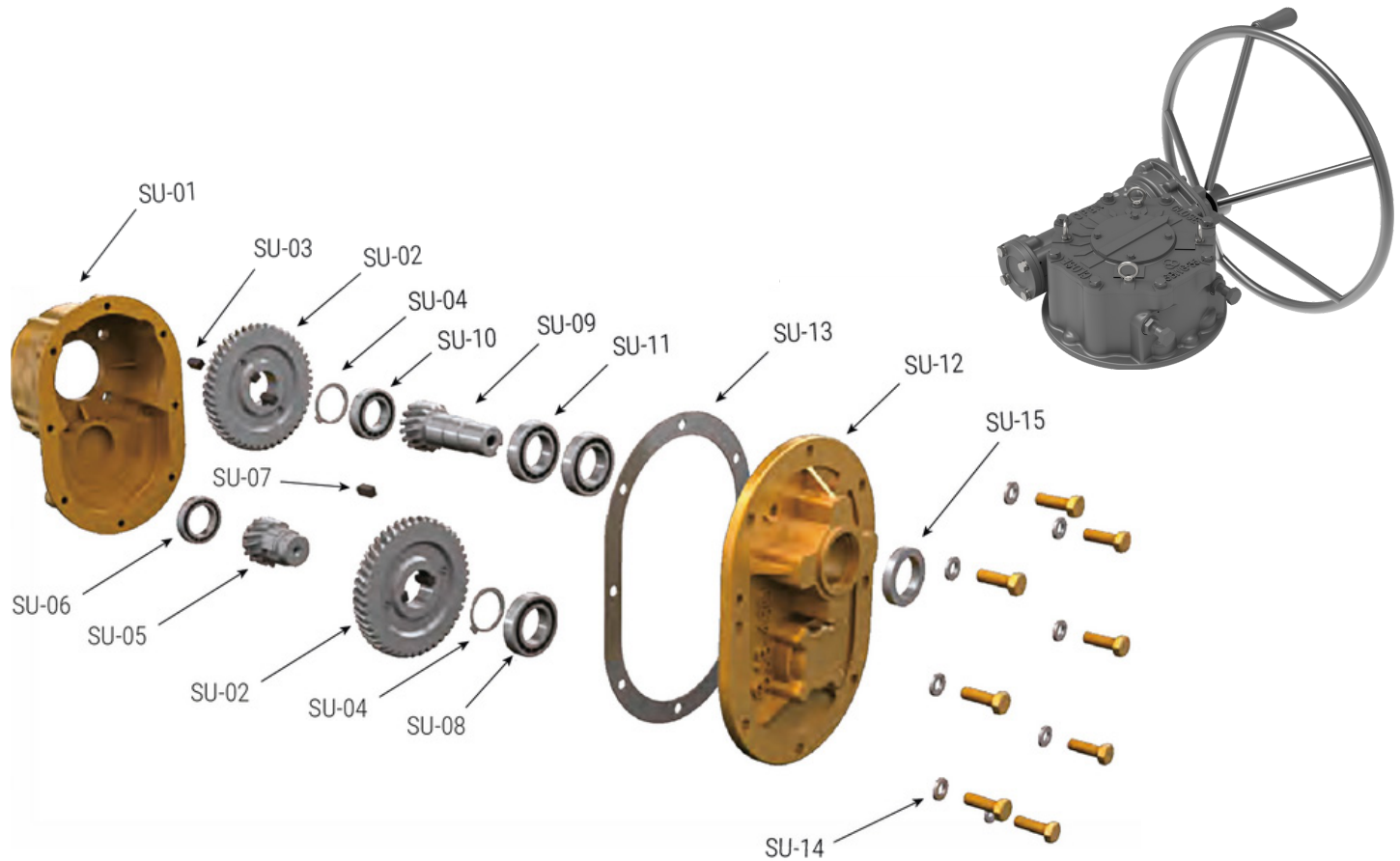


Selection Chart for Manual Operation

Model / Size	Gear Ratio	Max. Stem Acceptance	Mounting Option & Standard	Max. Torque Capacity		Weight
				N-m	Ft. lbf	Kg
SBWG-00-1S	80 : 1	36 (10 x 8)	F-10, F-12	1200	885	12
SBWG-01-1S	88 : 1	46 (14 x 9)	F-10, F-12, F-14	2000	1475	15
SBWG-02-1S	121.6 : 1	60 (18 x 11)	F-12, F-14, F-16	2800	2065	25
SBWG-03-1S	131.7 : 1	75 (20 x 12)	F-14, F-16, (F-20)	4300	3172	33
SBWG-35-1S	131.7 : 1	80 (22 x 14)	F-16, (F-20), F-25	6100	4499	40
SBWG-04-1S	168 : 1	95 (25 x 14)	F-16, (F-20), F-25	10400	7671	66
SBWG-05-1S	180 : 1	115 (32 x 18)	F-25, F-30	15900	11727	88
SBWG-55-1S	186 : 1	125 (32 x 18)	F-25, F-30	23500	17333	107
SBWG-06-1S	256 : 1	140 (36 x 20)	F-25, F-30, F-35	32800	24192	175
SBWG-07-1S	272 : 1	180 (45 x 25)	F-30, F-35, F-40	51100	37689	271
SBWG-75-1S	330 : 1	210 (50 x 28)	F-35, F-40, F-48	81500	60111	422
SBWG-08-1S	330 : 1	250 (56 x 32)	F-40, F-48	121000	89245	545
SBWG-09-1S	330 : 1	280 (63 x 32)	F-48, F-60	192500	141981	902
SBWG-10-1S	320 : 1	320 (70 x 36)	F-60	275000	202830	1426
SBWG-11-1S	340 : 1	360 (80 x 40)	F-60	442000	326002	2182
SBWG-12-1S	350 : 1	400 (90 x 45)	F-60, (F-80)	610000	449913	3081
SBWG-13-1S	360 : 1	440 (100 x 50)	F-60, (F-80)	970000	715435	3980

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

Standard Type-A, Horizontal Input with Double Reduction Gear Attachment Series SBWG



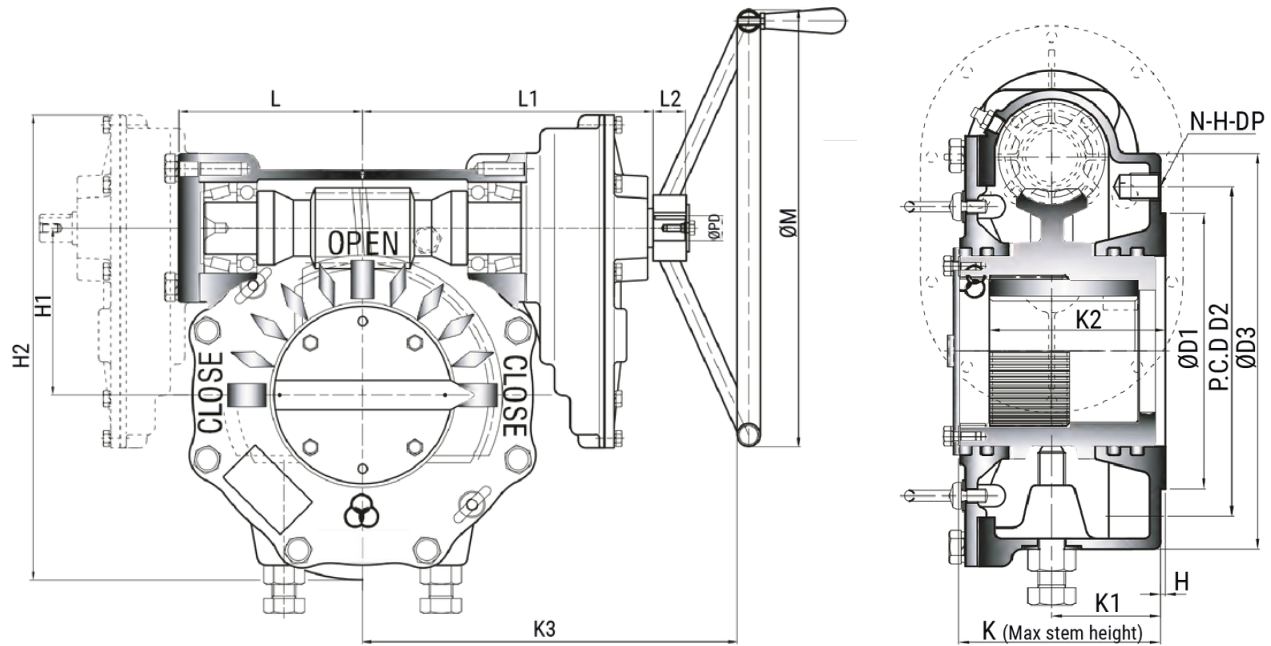
Parts & Materials

No.	Description	Material			Remark
		Name	JIS	ASTM	
1	Housing	Ductile Iron	FCD-450	A536-65-45-12	Note 1
2	Cover	Ductile Iron	FCD-450	A536-65-45-12	Note 1
3	Worm	Carbon Steel	S45C	A576-1045	Note 2
4	Stem Bush	Ductile Iron	FCD-450	A536-65-45-12	
5	Worm Gear	Ductile Iron	FCD-600	A536-80-55-06	B148-95800 (ALBC3)
6	Front Gap	Ductile Iron	FCD-450	A536-65-45-12	
7	End Cap	Ductile Iron	FCD-450	A536-65-45-12	
8	Indicator Plate	Steel + EP			
9	Thrust Washer	Steel			
10	Fixed Spring	Steel			
11	Taper Roller Bearing	Special Steel	SUJ2	A295-52100	
12	HEX. Bolt (S/W)	Alloy Steel	SCM435	A322-4135	
13	HEX. Bolt	Alloy Steel	SCM435	A322-4135	
14	HEX. Bolt (P/W)	Stainless Steel			
15	Set Screw	Carbon Steel	S45C	A576-1045	
16	HEX. Nut	Carbon Steel	S45C	A576-1045	
17	O-Ring	Buna N	NBR		
18	O-Ring	Buna N	NBR		
19	O-Ring	Buna N	NBR		Note. 3
20	O-Ring	Buna N	NBR		
21	Cover Gasket	Non-Asbestos			VALQUA 6601
22	Cap Gasket	Non-Asbestos			

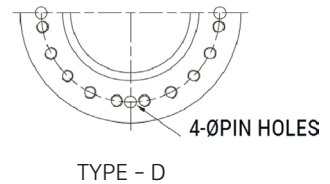
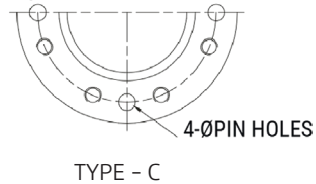
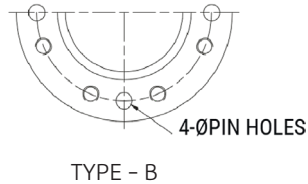
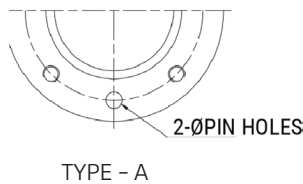
No.	Description	Material			Remark
		Name	JIS	ASTM	
23	Packing Seal	Buna N	NBR		
24	Grease Fitting	Steel + Galvanizing			
25	Eye Bolt	Steel + Galvanizing			
SU-01	Support Housing	Ductile Iron	FCD-450	A536-65-45-12	
SU-02	Helical Gear	Carbon Steel	S45C	A576-1045	
SU-03	Key (1R)	Carbon Steel	S45C	A576-1045	
SU-04	Snap Ring	Carbon Steel	S45C	A576-1045	
SU-05	Idle Gear	Carbon Steel	S45C	A576-1045	
SU-06	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-07	Key (1R)	Carbon Steel	S45C	A576-1045	
SU-08	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-09	Helical Pinion	Carbon Steel	S45C	A576-1045	
SU-10	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-11	Radial Ball B/R	Special Steel	SUJ2	A295-52100	
SU-12	Support Cover	Ductile Iron	FCD-450	A536-65-45-12	
SU-13	S-Cover Gasket	Non-Asbestos			VALQUA6601
SU-14	HEX. Bolt (S/W)	Stainless	SCM435	A322-4135	
SU-15	Oil Seal	Buna N	NBR		
OP-01	Hand Wheel	Steel Pipe	SGP	A53	
OP-02	Key (1R)	Carbon Steel	S45C	A576-1045	
OP-03	Name Plate	Stainless Steel			Option Handle Part
OP-04	Washer	Stainless Steel			
OP-05	HEX. Bolt (S/W)	Stainless Steel			

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

Standard Type-A, Horizontal Input with Double Reduction Gear Attachment Series SBWG



* Pin hole size is same as tap out diameter



Dimensions

DIM		Base Part						External Part							Input Shaft Part			Hand Wheel					
Model	Type	Flange	ØD1	P.C.D.		ØD3	H	H1	H2	K	K1	K2	K3	L	L1	L2	ØPD		Key				
				ØD2	N-H-DP																		
SBWG-00-1SD	A	F-12	85	125	4-M12-18	165	2	69.5	210	86.5	43	53.6	276	86	183	29	21	6 x 6	300				
SBWG-01-1SD		F-14	100	140	4-M16-24	190		82.5	235.5	96	53	65	305	95	192				400				
SBWG-02-1SD		F-16	130	165	4-M20-30	220		97	282	109.5	56	75.5	343	108	214.5				34	26	8 x 7	500	
SBWG-03-1SD		(F-16) F-20	160	205	8-M16-24	250		112	312	116	59	87	373	118	224.5				34	26	8 x 7	560	
SBWG-35-1SD	B	F-25	200	254	8-M16-24	300	3	127	339.5	126	63	91	391	125	236.5	34	32	10 x 8	710				
SBWG-04-1SD		F-25	200	254	8-M16-24	300		153	417.5	147	73	120	449	153	286					630			
SBWG-05-1SD		F-30	230	298	8-M20-30	350		180	469.5	155	78	141	479	163	296					34	32	10 x 8	710
SBWG-55-1SD						350		202	516.5	162	80	144	499	183	316								
SBWG-06-1SD						F-35		260	356	8-M30-45	415	230	621	200	109					175	579	117	376
SBWG-07-1SD		F-40	300	406	8-M36-55	475		280.5	723	227	116	209	634	252	411								900
SBWG-75-1SD	C	F-48	370	483	12-M36-55	560	5	326	860	246	120	220	767	279	531	58	50	16 x 10	1000				
SBWG-08-1SD						560		379	968	254	125	245	802	314	566								
SBWG-09-1SD	D	F-60	470	603	20-M36-55	700	5	448.5	1107.5	284	138	270	842	354	606	58	50	16 x 10	1000				
SBWG-10-1SD						800		513	1291	352	164	330	982	426	746								
SBWG-11-1SD						900		616.5	1499.5	400	181	370	1039.5	468.5	788.5								
SBWG-12-1SD						1000		711	1751	484	265	455	1205	554	969								
SBWG-13-1SD						(F-80)		650	800	20-M42-63	1000	809	1944	546	301					515	1245	609	1009

Standard Type-A, Horizontal Input with Double Reduction Gear Attachment Series SBWG

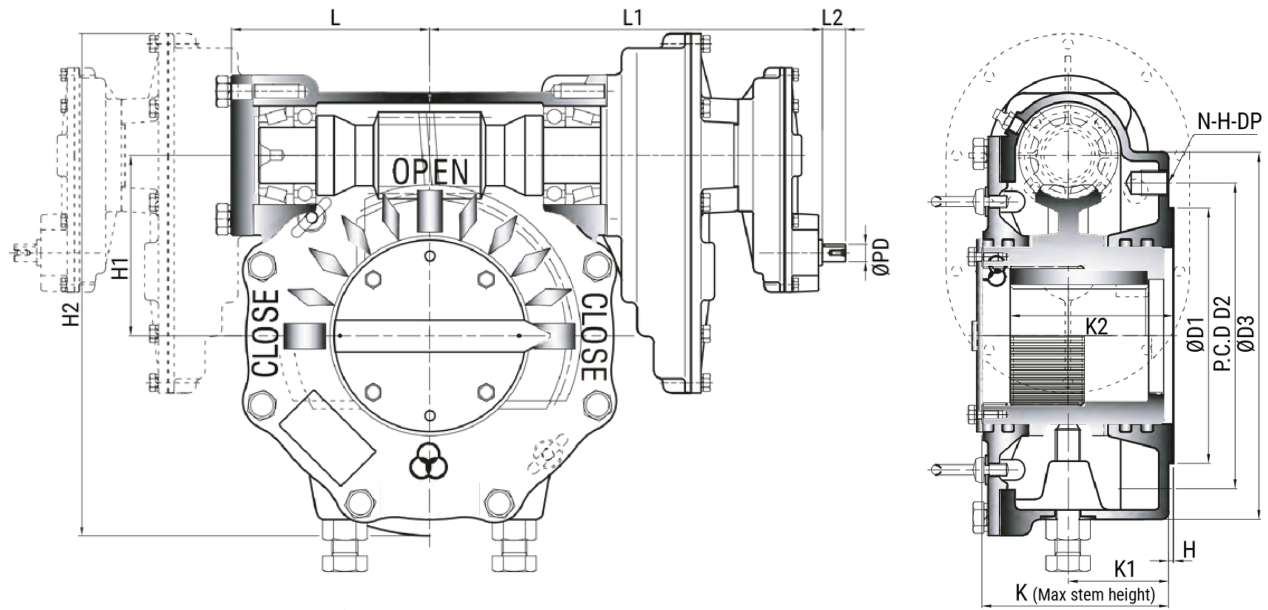


Selection Chart for Manual Operation

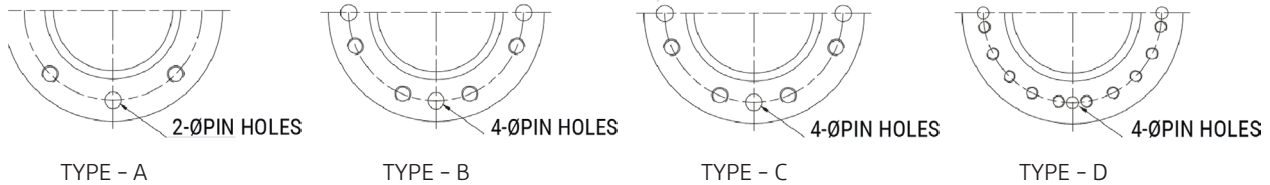
Model / Size	Gear Ratio	Max. Stem Acceptance	Mounting Option & Standard	Max. Torque Capacity		Weight
				N-m	Ft. lbf	Kg
SBWG-00-1SD	160 : 1	36 (10 x 8)	F-10, F-12	1200	885	14
SBWG-01-1SD	176 : 1	46 (14 x 9)	F-10, F-12, F-14	2000	1475	17
SBWG-02-1SD	308 : 1	60 (18 x 11)	F-12, F-14, F-16	2800	2065	27
SBWG-03-1SD	333.7 : 1	75 (20 x 12)	F-14, F-16, (F-20)	4300	3172	35
SBWG-35-1SD	333.7 : 1	80 (22 x 14)	F-16, (F-20), F-25	6100	4499	42
SBWG-04-1SD	504 : 1	95 (25 x 14)	F-16, (F-20), F-25	10400	7671	71
SBWG-05-1SD	540 : 1	115 (32 x 18)	F-25, F-30	15900	11727	93
SBWG-55-1SD	558 : 1	125 (32 x 18)	F-25, F-30	23500	17333	112
SBWG-06-1SD	1024 : 1	140 (36 x 20)	F-25, F-30, F-35	32800	24192	188
SBWG-07-1SD	1088 : 1	180 (45 x 25)	F-30, F-35, F-40	51100	37689	284
SBWG-75-1SD	1650 : 1	210 (50 x 28)	F-35, F-40, F-48	81500	60111	450
SBWG-08-1SD	1650 : 1	250 (56 x 32)	F-40, F-48	121000	89245	573
SBWG-09-1SD	1650 : 1	280 (63 x 32)	F-48, F-60	192500	141981	930
SBWG-10-1SD	1600 : 1	320 (70 x 36)	F-60	275000	202830	1464
SBWG-11-1SD	1700 : 1	360 (80 x 40)	F-60	442000	326002	2220
SBWG-12-1SD	1750 : 1	400 (90 x 45)	F-60, (F-80)	610000	449913	3081
SBWG-13-1SD	1800 : 1	440 (100 x 50)	F-60, (F-80)	970000	715435	3980

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

Standard Type-A, Horizontal Input with Triple Reduction Gear Attachment Series SBWG



* Pin hole size is same as tap out diameter



Dimensions

DIM		Base Part					External Part							Input Shaft Part			Hand Wheel	
Model	Type	Flange	ØD1	P.C.D.		ØD3	H	H1	H2	K	K1	K2	L	L1	L2	ØPD		Key
				ØD2	N-H-DP													
SBWG-00-2SD	A	F-12	85	125	4-M12-18	165	2	69.5	210	86.5	43	53.6	86	261	29	21	6 x 6	300
SBWG-01-2SD		F-14	100	140	4-M16-24	190		82.5	235.5	96	53	65	95	270				400
SBWG-02-2SD		F-16	130	165	4-M20-30	220		97	282	109.5	56	75.5	108	295.5				34
SBWG-03-2SD	B	(F-16) F-20	160	205	8-M16-24	250	3	112	312	116	59	87	118	305.5	34	21	8 x 7	560
SBWG-35-2SD		F-25	200	254	8-M16-24	300		127	339.5	126	63	91	125	317.5				
SBWG-04-2SD		F-25	200	254	8-M16-24	300		153	417.5	147	73	120	153	364.5				
SBWG-05-2SD		F-30	230	298	8-M20-30	350		180	469.5	155	78	141	163	374.5	34	26	10 x 8	710
SBWG-55-2SD						350		202	516.5	162	80	144	183	394.5				
SBWG-06-2SD		F-35	260	356	8-M30-45	415		230	621	200	109	175	117	471				
SBWG-07-2SD		F-40	300	406	8-M36-55	475	5	280.5	723	227	116	209	252	506	34	32	12 x 8	800
SBWG-75-2SD	C				560	326		860	246	120	220	279	662	900				
SBWG-08-2SD		F-48	370	483	12-M36-55	560		379	968	254	125	245	314	697				44
SBWG-09-2SD						700	448.5	1107.5	284	138	270	354	737	44	38			
SBWG-10-2SD	D	F-60	470	603	20-M36-55	800	5	513	1291	352	164	330	426	959	58	50	16 x 10	1000
SBWG-11-2SD					900	616.5		1499.5	400	181	370	468.5	1101.5					
SBWG-12-2SD					1000	711		1751	484	265	455	554	1255					
SBWG-13-2SD		(F-80)	650	800	20-M42-63	1000		809	1944	546	301	515	609	1295				

Standard Type-A, Horizontal Input with Triple Reduction Gear Attachment Series SBWG



Selection Chart for Manual Operation

Model / Size	Gear Ratio	Max. Stem Acceptance	Mounting Option & Standard	Max. Torque Capacity		Weight
				N-m	Ft. lbf	Kg
SBWG-00-2SD	320 : 1	36 (10 x 8)	F-10, F-12	1200	885	16
SBWG-01-2SD	352 : 1	46 (14 x 9)	F-10, F-12, F-14	2000	1475	19
SBWG-02-2SD	616 : 1	60 (18 x 11)	F-12, F-14, F-16	2800	2065	29
SBWG-03-2SD	667.4 : 1	75 (20 x 12)	F-14, F-16, (F-20)	4300	3172	38
SBWG-35-2SD	667.4 : 1	80 (22 x 14)	F-16, (F-20), F-25	6100	4499	60
SBWG-04-2SD	1276.8 : 1	95 (25 x 14)	F-16, (F-20), F-25	10400	7671	75
SBWG-05-2SD	1368 : 1	115 (32 x 18)	F-25, F-30	15900	11727	97
SBWG-55-2SD	1413.6 : 1	125 (32 x 18)	F-25, F-30	23500	17333	116
SBWG-06-2SD	3072 : 1	140 (36 x 20)	F-25, F-30, F-35	32800	24192	198
SBWG-07-2SD	3264 : 1	180 (45 x 25)	F-30, F-35, F-40	51100	37689	294
SBWG-75-2SD	6600 : 1	210 (50 x 28)	F-35, F-40, F-48	81500	60111	478
SBWG-08-2SD	6600 : 1	250 (56 x 32)	F-40, F-48	121000	89245	601
SBWG-09-2SD	6600 : 1	280 (63 x 32)	F-48, F-60	192500	141981	957
SBWG-10-2SD	8000 : 1	320 (70 x 36)	F-60	275000	202830	1536
SBWG-11-2SD	8500 : 1	360 (80 x 40)	F-60	442000	326002	2292
SBWG-12-2SD	8750 : 1	400 (90 x 45)	F-60, (F-80)	610000	449913	3178
SBWG-13-2SD	9000 : 1	440 (100 x 50)	F-60, (F-80)	970000	715435	4077

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

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



asc-es.com

Building Connections That Last™

