Spiral Bevel Gear Actuators

Model	Ratio	Max. Thrust Capacity (KN)	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Bore Diameter (Stem. Max)		Mounting Flange (ISO5210/1)
			(N · m)	(Ft · lbf)			TW	KEY	
SB-VS10	2.5:1	70.5	220	162	2.3	95.7	30	22 (8x7)	F-10 F-07 (OPTION)
SB-VS10-1S	5:1				4.2	52.0			
SB-MT10	1:1				0.9	244.4			
SB-VS10C	2.5:1				2.3	95.7	Ø42		F-14, F-16
SB-VS10C-1S	5:1				4.2	52.0			
SB-VS20	3:1	113	370	273	2.8	134.1	40	32 (10x8)	F-12 F-10 (OPTION)
SB-VS20-1S	6:1				5.1	72.9			
SB-MT20	1:1				0.9	411.1			
SB-VS20C	3:1				2.8	134.1	Ø50		F-16, (F-20)
SB-VS20C-1S	6:1				5.1	72.9			
SB-V0	3.25:1	127	600	443	3.0	200.7	46	38 (12x8)	F-14 F-12 (OPTION)
SB-V0W									
SB-V0-1S	6.5:1				5.5	109.1			
SB-V0W-1S									
SB-V0-1ST	P-3.25:1				3.2	186.3			
	S-6.5:1				5.5	109.1			
SB-V0-1S2B	13:1				10.1	59.3			
SB-V0-1SD	20.9:1				17.7	34.0			
SB-V0W-1SD									
SB-V0-1SDT	P-6.5:1				5.5	109.1			
	20.9:1				17.7	34.0			
SB-MT0	1:1				0.85	708.9			
SB-V0-2B	8.125:1				6.9	87.2			
SB-V0W-2B									
SB-V0C	3.25:1				3.0	200.7	Ø60		F-16, (F-20)
SB-V0C-1S	6.5:1				5.5	109.1			
SB-V1	3.5:1	141	980	723	3.2	304.3	55	45 (14x9)	F-16 F-14 (OPTION)
SB-V1W									
SB-V1-1S	7:1				5.9	165.4			
SB-V1W-1S									
SB-V1-1ST	P-3.5:1				3.0	330.8			
	S-7:1				5.9	165.4			
SB-V1-1S2B	14:1				10.9	89.9			
SB-V1-1SD	22.5:1				19.0	51.5			
SB-V1W-1SD									
SB-V1-1SDT	P-7:1				5.9	165.4			
	22.5:1				19.0	51.5			
SB-MT1	1:1				0.90	1088.9			
SB-V1-2B	8.75:1				7.4	132.3			
SB-V1W-2B									
SB-V1C	3.5:1				3.2	304.3	Ø69		(F-20), F-25
SB-V1C-1S	7:1				5.9	165.4			

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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V2	4:1	190	1500	1106	3.7	407.6	62	52 (16x10)	(F-20) F-14,F-16 (OPTION)
SB-V2W									
SB-V2-1S	10.13:1				8.6	174.9			
SB-V2W-1S									
SB-V2-1ST	P-4:1				3.4	443.1			
	S-10.13:1				9.3	160.6			
SB-V2-1S2B	25.33:1				22.2	67.6			
SB-V2-1SD	25.67:1				23.7	63.4			
SB-V2W-1SD									
SB-V2-1SDT	P-10.13:1				9.3	160.6			
	S-25.67:1				23.7	63.4			
SB-MT2	1:1				0.92	1627.8			
SB-V2-2B	12:1				10.8	138.5			
SB-V2W-2B									
SB-V2C	4:1				3.8	394.7	Ø78		F-25, F-30
SB-V2C-1S	10.13 :1				9.3	160.6			
SB-V2H	4:1	350	2900	2139	3.8	763.2	65	55 (16x10)	F-25 (F-20) (OPTION)
SB-V2HW									
SB-V2H-1S	10.13:1				9.3	310.6			
SB-V2HW-1S									
SB-V2H-1ST	P-4:1				3.7	786.8			
	S-10.13:1				9.3	310.6			
SB-V2H-1SD	25.67:1				23.7	122.6			
SB-V2HW-1SD									
SB-V2H-1SDT	P-10.13:1				9.3	310.6			
	S-25.67:1				23.7	122.6			
SB-V2H-2B	12:1				10.8	267.8			
SB-V2HW-2B									
SB-V3	5:1	288	2500	1844	4.6	543.5	72	60 (18x11)	F-25 (F-20), F-16 (OPTION)
SB-V3W									
SB-V3-1S	12.67:1				10.7	233.2			
SB-V3W-1S									
SB-V3-1ST	P-5:1				4.2	590.7			
	S-12.67:1				10.7	233.2			
SB-V3-1S2B	31.67:1				24.7	101.4			
SB-V3-1SD	32.1:1				27.2	92.0			
SB-V3W-1SD									
SB-V3-1SDT	P-12.67:1				10.7	233.2			
	S-32.09:1				27.2	92.0			
SB-MT3	1:1				0.85	2953.7			
SB-V3-2B	15:1				12.7	196.9			
SB-V3W-2B									
SB-V3C	5:1				4.6	543.5	Ø97		F-30, F-35
SB-V3C-1S	12.67:1				10.7	233.2			
SB-V3H	5:1	510	4500	3319	4.6	978.3	80	70 (20x12)	F-30 F-25(OPTION)
SB-V3HW									
SB-V3H-1S	12.67:1				10.7	419.7			
SB-V3HW-1S									
SB-V3H-1ST	P-5:1				4.2	1063.3			
	S-12.67:1				10.7	419.7			
SB-V3H-1SD	32.1:1				27.2	165.7			
SB-V3HW-1SD									
SB-V3H-1SDT	P-12.67:1				10.7	419.7			
	S-32.09:1				27.2	165.7			
SB-V3H-2B	15:1				12.7	354.4			
SB-V3HW-2B									

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Technical Data

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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V35	5.5:1	350	3500	2581	5.1	691.7	85	72 (20x12)	F-30 F-25 (OPTION)
SB-V35W									
SB-V35-1S	16.5:1				14.0	250.6			
SB-V35W-1S									
SB-V35-1ST	P-5.5:1				4.7	751.8			
	S-16.5:1				14.0	243.1			
SB-V35-1S2B	49.5:1				38.5	90.8			
SB-V35-1SD	49.5:1				41.9	83.5			
SB-V35W-1SD									
SB-V35-1SDT	P-16.5:1				14.0	250.6			
	S-49.5:1				41.9	83.5			
SB-V35-2B	17.88:1				15.1	231.3			
SB-V35W-2B									
SB-V35C	5.5:1				5.1	691.7	Ø115		F-35, F-40
SB-V35C-1S	16.5:1				14.0	250.6			
SB-V35H	5.5:1	800	7000	5163	5.1	1383.4	95	85(22X14)	F-35 F-30, F-25 (OPTION)
SB-V35HW									
SB-V35H-1S	16.5:1				14.0	501.2			
SB-V35HW-1S									
SB-V35H-1ST	P-5.5:1				4.7	1503.7			
	S-16.5:1				14.0	501.2			
SB-V35H-1SD	49.5:1				41.9	167.1			
SB-V35HW-1SD									
SB-V35H-1SDT	P-16.5:1				14.0	501.2			
	S-49.5:1				41.9	167.1			
SB-V35H-2B	17.88 :1				15.1	462.7			
SB-V35HW-2B									
SB-V4	6:1	400	5200	3835	5.5	942.0	95	80 (22X14)	F-35 F-30, F-25 (OPTION)
SB-V4W									
SB-V4-1S	18:1				15.2	341.3			
SB-V4W-1S									
SB-V4-1ST	P-6:1				5.1	1023.9			
	S-18:1				15.2	341.3			
SB-V4-1S2B	54:1				42.0	123.7			
SB-V4-1SD	54:1				45.7	113.8			
SB-V4W-1SD									
SB-V4-1SDT	P-18:1				15.2	341.3			
	S-54:1				45.7	113.8			
SB-V4-2B	21:1				17.8	292.6			
SB-V4W-2B									
SB-V4C	6:1				5.5	942.0	Ø130		F-35, F-40
SB-V4C-1S	18:1				15.2	341.3			
SB-V4H	6:1	1100	9800	7228	5.5	1775.4	105	90 (25X14)	F-35 F-30, F-25 (OPTION)
SB-V4HW									
SB-V4H-1S	18:1				15.2	643.2			
SB-V4HW-1S									
SB-V4H-1ST	P-6:1				5.1	1929.7			
	S-18:1				15.2	643.2			
SB-V4H-1SD	54::1				45.7	214.4			
SB-V4HW-1SD									
SB-V4H-1SDT	P-18:1				15.2	643.2			
	S-54:1				45.7	214.4			
SB-V4H-2B	21:1				17.8	551.4			
SB-V4HW-2B									
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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V5	6.56:1	510	7800	5753	6.0	1293.3	105	90 (25X14)	F-35 F-30 (OPTION)
SB-V5W									
SB-V5-1S	22.94:1				19.4	401.6			
SB-V5W-1S									
SB-V5-1ST	P-6.556:1				5.5	1405.8			
	S-22.94:1				19.4	401.6			
SB-V5-1S2B	74.57:1				58.1	134.3			
SB-V5-1SD	80.31:1				68.0	114.7			
SB-V5W-1SD									
SB-V5-1SDT	P-22.94:1				19.4	401.6			
	S-80.31:1				68.0	114.7			
SB-V5-2B	22.94:1				22.2	351.4			
SB-V5W-2B									
SB-V5H	6.55556:1	1500	15000	11063	6.0	2487.1	120	105 (28x16)	F-35 F-30 (OPTION)
SB-V5HW									
SB-V5H-1S	22.9444:1				19.4	772.4			
SB-V5HW-1S									
SB-V5H-1ST	P-6.556::1				5.5	2703.4			
	S-22.94:1				19.4	772.4			
SB-V5H-1SD	80.31:1				68.0	220.7			
SB-V5HW-1SD									
SB-V5H-1SDT	P-22.94:1				19.4	772.4			
	S-580,31:1				68.0	220.7			
SB-V5H-2B	26,2222:1				22.2	675.8			
SB-V5HW-2B									
SB-V55	7:1	1083.6	10400	7671	6.7	1563.9	115	100 (28X16)	F-35 F-30 (OPTION)
SB-V55W									
SB-V55-1S	24,5:1				22.6	460.7			
SB-V55W-1S									
SB-V55-1ST	P-7:1				6.5	1612.3			
	S-24,5:1				22.6	460.7			
SB-V55-1S2B	79.63:1				69.7	149.2			
SB-V55-1SD	85.75:1				79.0	131.6			
SB-V55W-1SD									
SB-V55-1SDT	P-24,5:1				22.6	460.7			
	S-85.75:1				79.0	131.6			
SB-V55-2B	35:1				31.6	329.2			
SB-V55W-2B									
SB-V55H	7:1	2052	19000	14014	6.7	2857.1	135	115 (32x18)	F-48 F-40, F-35 (OPTION)
SB-V55HW									
SB-V55H-1S	24,5:1				22.6	841.6			
SB-V55HW-1S									
SB-V55H-1ST	P-7:1				6.5	2945.5			
	S-24,5:1				22.6	841.6			
SB-V55H-1SD	85.75:1				79.0	240.4			
SB-V55HW-1SD									
SB-V55H-1SDT	P-24,5:1				22.6	841.6			
	S-85.75:1				79.0	240.4			
SB-V55H-2B	35:1				31.6	601.5			
SB-V55HW-2B									

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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V6	7:1	1404	13000	9588	6.7	1954.9	125	110 (32X18)	F-40 F-35 (OPTION)
SB-V6W									
SB-V6-1S	28:1				25.8	503.8			
SB-V6W-1S									
SB-V6-1ST	P-7:1				6.5	2015.3			
	S-28:1				25.8	503.8			
SB-V6-1S2B	98:1				85.8	151.5			
SB-V6-1SD	112:1				103.2	126.0			
SB-V6W-1SD									
SB-V6-1SDT	P-28:1				25.8	503.8			
	S-112:1				103.2	126.0			
SB-V6-2B	35:1				31.6	411.6			
SB-V6W-2B									
SB-V6H	7:1	2484	23000	16964	6.7	3458.6	150	130 (36x20)	F-48 F-40, F-35 (OPTION)
SB-V6HW									
SB-V6H-1S	28:1				25.8	891.4			
SB-V6HW-1S									
SB-V6H-1ST	P-7:1				6.5	3565.6			
	S-28:1				25.8	891.4			
SB-V6H-1SD	112:1				103.2	222.9			
SB-V6HW-1SD									
SB-V6H-1SDT	P-28:1				25.8	891.4			
	S-112:1				103.2	222.9			
SB-V6H-2B	35:1				31.6	728.1			
SB-V6HW-2B									
SB-V7	7.56:1	2836	17600	12981	7.2	2452.0	140	120 (36X20)	F-48 F-40 (OPTION)
SB-V7W									
SB-V7-1S	30.22:1				27.8	632.0			
SB-V7W-1S									
SB-V7-1ST	7.56 :1				7	2527.8			
	30.22 :1				27.8	632.0			
SB-V7-1S2B	105.78:1				92.6	190.1			
SB-V7-1SD	120.89:1				111.4	158.0			
SB-V7W-1SD									
SB-V7-1SDT	30.22 :1				27.8	632.0			
	120.89 :1				111.4	158.0			
SB-V7-2B	37.78 :1				34.1	516.2			
SB-V7W-2B									
SB-V7H	7.56:1	3421	37000	27290	7.2	5154.8	160	140 (36X20)	F-48
SB-V7HW									
SB-V7H-1S	30.22 :1				27.8	1328.6			
SB-V7HW-1S									
SB-V7H-1ST	7.56 :1				7	5314.2			
	30.22 :1				27.8	1328.6			
SB-V7H-1SD	120.89:1				111.4	332.1			
SB-V7HW-1SD									
SB-V7H-1SDT	30.22 :1				27.8	1328.6			
	120.89:1				111.4	332.1			
SB-V7H-2B	37.78:1				34.1	1085.2			
SB-V7HW-2B									
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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V75	8:1	2280	21000	15489	7.6	2763.2	150	130 (36X20)	F-48
SB-V75W									
SB-V75-1S	40:1				36.9	569.7			
SB-V75W-1S									
SB-V75-1ST	8:1				7.4	2848.6			
	40:1				36.9	569.7			
SB-V75-1S2B	160:1				140.1	149.9			
SB-V75-1SD	200:1				184.3	113.9			
SB-V75W-1SD									
SB-V75-1SDT	40:1				36.9	569.7			
	200:1				184.3	113.9 528.8			
SB-V75-2B	44:1				39.7	6052.6			
SB-V75W-2B									
SB-V75H	8:1	4554	46000	33928	7.6	1248.0	175	155 (40X22)	F-60 F-48 (OPTION)
SB-V75HW									
SB-V75H-1S	40:1				36.9	6239.8			
SB-V75HW-1S									
SB-V75H-1ST	8:1				7.4	1248.0			
	40:1				36.9	249.6			
SB-V75H-1SD	200:1				184.3	1248.0			
SB-V75HW-1SD									
SB-V75H-1SDT	40:1				36.9				
	200:1				184.3	249.6			
SB-V75H-2B	44:1				39.7	1158.4			
SB-V75HW-2B									
SB-V8	8:1	3190	32000	23602	7.6	4210.5	160	140 (36X20)	F-48 F-40 (OPTION)
SB-V8W									
SB-V8-1S	40:1				36.9	868.1			
SB-V8W-1S									
SB-V8-1ST	P-8:1				7.4	4340.7			
	S-40:1				36.9	868.1			
SB-V8-1S2B	160:1				140.1	228.5			
SB-V8-1SD	200:1				184.3	173.6			
SB-V8W-1SD									
SB-V8-1SDT	P-40:1				36.9	868.1			
	S-200:1				184.3	173.6			
SB-V8-1SI	1:1				0.9	34726.0			
SB-V8-2B	44:1				39.7	805.8			
SB-V8W-2B									
SB-V8H	8:1	5200	58000	42778	7.6	7631.6	190	160 (40X22)	F-60 F-48 (OPTION)
SB-V8HW									
SB-V8H-1S	40:1				36.9	1573.5			
SB-V8HW-1S									
SB-V8H-1ST	P-8:1				7.4	7867.6			
	S-40:1				36.9	1573.5			
SB-V8H-1SD	200:1				184.3	314.7			
SB-V8HW-1SD									
SB-V8H-1SDT	P-40:1				36.9	1573.5			
	S-200:1				184.3	314.7			
SB-V8H-2B	44:1				39.7	1460.6			
SB-V8HW-2B									

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Technical Data

Model	Ratio	Max. Thrust Capacity (KN)	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Bore Diameter (Stem. Max)		Mounting Flange (ISO5210/1)
			(N · m)	(Ft · lbf)			TW	KEY	
SB-V85	8:1	3960	40000	29502	7.6	5263.2	170	150 (40X22)	F-48 F-40 (OPTION)
SB-V85W									
SB-V85-1S	40:1				36.9	1085.2			
SB-V85W-1S									
SB-V85-1ST	P-8:1				7.4	5425.9			
	S-40:1				36.9	1085.2			
SB-V85-1S2B	160:1				140.1	285.6			
SB-V85-1SD	200:1				184.3	217.0			
SB-V85W-1SD									
SB-V85-1SDT	P-40:1				36.9	1085.2			
	S-200:1				184.3	217.0			
SB-V85-1SI	1:1				0.9	43407.5			
SB-V85-2B	48:1				43.3	923.4			
SB-V85W-2B									
SB-V85H	8:1	6090	74000	54579	7.6	9736.8	210	180 (45X25)	F-60 F-48 (OPTION)
SB-V85HW									
SB-V85H-1S	40:1				36.9	2007.6			
SB-V85HW-1S									
SB-V85H-1ST	P-8:1				7.4	10038.0			
	S-40:1				36.9	2007.6			
SB-V85H-1SD	200:1				184.3	401.5			
SB-V85HW-1SD									
SB-V85H-1SDT	P-40:1				36.9	2007.6			
	S-200:1				184.3	401.5			
SB-V85H-2B	48:1				43.3	1708.2			
SB-V85HW-2B									
SB-V9	8:1	4768.5	55000	40566	7.6	7236.8	185	165 (40X22)	F-60 F-48 (OPTION)
SB-V9W									
SB-V9-1S	40:1				36.9	1492.1			
SB-V9W-1S									
SB-V9-1ST	P-8:1				7.4	7460.7			
	S-40:1				36.9	1492.1			
SB-V9-1S2B	200:1				175.1	314.1			
SB-V9-1SD	200:1				184.3	298.4			
SB-V9W-1SD									
SB-V9-1SDT	P-40:1				36.9	1492.1			
	S-200:1				184.3	298.4			
SB-V9-1SI	1:1				0.9	59685.3			
SB-V9-2B	52.44:1				43.3	1162.0			
SB-V9W-2B									
SB-V9H	8:1	7245	104000	76706	7.6	13684.2	230	205 (50X28)	(F-80) F-60 (OPTION)
SB-V9HW									
SB-V9H-1S	40:1				36.9	2821.5			
SB-V9HW-1S									
SB-V9H-1ST	P-8:1				7.4	14107.4			
	S-40:1				36.9	2821.5			
SB-V9H-1SD	200:1				184.3	564.3			
SB-V9HW-1SD									
SB-V9H-1SDT	P-40:1				36.9	2821.5			
	S-200:1				184.3	564.3			
SB-V9H-2B	52.44:1				47.3	2197.3			
SB-V9HW-2B									

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Model	Ratio	Max. Thrust Capacity (KN)	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Bore Diameter (Stem. Max)		Mounting Flange (ISO5210/1)
			(N · m)	(Ft · lbf)			TW	KEY	
SB-V100	8:1	6270	75000	55317	7.6	9868.4	200	180 (45X25)	(F-80) F-60 (OPTION)
SB-V100W									
SB-V100-1S	40:1				36.9	2034.7			
SB-V100W-1S									
SB-V100-1ST	P-8:1				7.4	10173.6			
	S-40:1				36.9	2034.7			
SB-V100-1S2B	220:1				192.6	389.4			
SB-V100-1SD	200:1				184.3	406.9			
SB-V100W-1SD									
SB-V100-1SDT	P-40:1				36.9	2034.7			
	S-200:1				184.3	406.9			
SB-V100-2B	56:1				50.5	1484.0			
SB-V100W-2B									
SB-V10H	8:1	8925	142000	104734	7.6	18684.2	250	220 (56X32)	(F-80) F-60 (OPTION)
SB-V100HW									
SB-V100H-1S	40:1				36.9	3852.4			
SB-V100HW-1S									
SB-V100H-1ST	P-8:1				7.4	19262.1			
	S-40:1				36.9	3852.4			
SB-V100H-1SD	200:1				184.3	770.5			
SB-V100HW-1SD									
SB-V100H-1SDT	P-40:1				36.9	3852.4			
	S-200:1				184.3	770.5			
SB-V100H-2B	56:1				50.5	2809.7			
SB-V100HW-2B									

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Spur Gear Actuators

Model	Ratio	Max. Thrust Capacity (KN)	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Bore Diameter (Stem. Max)		Mounting Flange (ISO5210/1)
			(N · m)	(Ft · lbf)			TW	KEY	
SB-SR50	10:1	113	370	273	9.2	40.2	40	32 (10x8)	F-12 F-10 (OPTION)
SB–SR50-2B	20:1				16.6	22.3			
SB–SR50-1ST	P-10:1				8.5	43.7			
	S-20:1				16.9	21.9			
SB–SR100	12:1	141	980	723	11	88.8	55	45 (14x9)	F-16 F-14 (OPTION)
SB–SR100-2B	24:1				19.9	49.3			
SB–SR100-1ST	P-12:1				10.2	96.5			
	S-24:1				20.3	48.2			
SB–SR200	12:1	190	1500	1106	11	135.9	62	52 (16x10)	(F-20) F-16,F-14 (OPTION)
SB–SR200-2B	30:1				24.8	60.4			
SB–SR200-1ST	P-12:1				10.2	147.7			
	S-30:1				25.4	59.1			
SB–SR200H	12:1	350	2900	2139	11	262.7	65	55 (16x10)	F-25 (F-20) (OPTION)
SB–SR200H-2B	30:1				24.8	116.7			
SB–SR200H-1ST	P-12:1				10.2	285.5			
	S-30:1				25.4	114.2			
SB–SR300	13:1	288	2500	1844	12	209.0	72	60 (18x11)	F-25 (F-20), F-16 (OPTION)
SB–SR300-2B	32:1				26.5	94.4			
SB–SR300-1ST	P-13:1				11.0	227.2			
	S-33:1				27.9	89.5			
SB–SR300H	13:1	510	4500	3319	12	376.3	78	70 (20x12)	F-30 F-25 (OPTION)
SB–SR300H-2B	32:1				26.5	169.8			
SB–SR300H-1ST	P-13:1				11	409.0			
	S-33:1				27.9	161.1			
SB–SR350	13:1	350	3500	2581	12.0	292.6	85	72 (20x12)	F-30 F-25 (OPTION)
SB–SR350-2B	39:1				32.3	108.4			
SB–SR350-1ST	P-13:1				11.0	318.1			
	S-39:1				33.0	106.0			
SB–SR350H	13:1	800	7000	5163	12.0	585.3	78	70 (20x12)	F-30 F-25 (OPTION)
SB–SR350H-2B	39:1				32.3	216.8			
SB–SR350H-1ST	P-13:1				11.0	636.2			
	S-39:1				33.0	212.1			
SB–SR400	14:1	400	5200	3835	12.9	403.7	95	80 (22X14)	F-30 F-25 (OPTION)
SB–SR400-2B	42:1				34.8	149.5			
SB–SR400-1ST	P-14:1				11.8	438.8			
	S-42:1				35.5	146.3			
SB–SR400H	14:1	1100	9800	7228	12.9	760.9	95	80 (22X14)	F-35 F-30, F-25 (OPTION)
SB–SR400H-2B	42:1				34.8	281.8			
SB–SR400H-1ST	P-14:1				11.8	827.0			
	S-42:1				35.5	275.7			
SB–SR500	15:1	510	7800	5753	13.8	565.2	105	90 (25X14)	F-35 F-30 (OPTION)
SB–SR500-2B	60:1				49.7	157.0			
SB–SR500-1ST	P-15:1				12.7	614.4			
	S-45:1				38.1	204.8			

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Model	Ratio	Max. Thrust Capacity (KN)	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Bore Diameter (Stem. Max)		Mounting Flange (ISO5210/1)
			(N · m)	(Ft · lbf)			TW	KEY	
SB–SR500H	15:1	1500	15000	11063	13.8	1087.0	105	90 (25X14)	F-35 F-30, F-25 (OPTION)
SB–SR500H-2B	60:1				49.7	301.9			
SB–SR500H-1ST	P-15:1				12.7	1181.5			
	S-45:1				38.1	393.8			
SB–SR600	16:1	1404	13000	9588	14.7	883.2	125	110 (32X18)	F-40 F-35, F–30 (OPTION)
SB–SR600-2B	64:1				53	245.3			
SB–SR600-1ST	P-16:1				13.5	959.9			
	S-64:1				54.2	240.0			
SB–SR600H	16:1	2484	23000	16964	14.7	1562.5	120	105 (28X16)	F-40 F-35, F-30 (OPTION)
SB–SR600H-2B	64:1				53	434.0			
SB–SR600H-1ST	P-16:1				13.5	1698.4			
	S-64:1				54.2	424.6			
SB–SR700	17:1	1836	17600	12981	15.6	1125.3	140	120 (36X20)	F-48 F-40, F–35 (OPTION)
SB–SR700-2B	85:1				70.4	250.1			
SB–SR700-1ST	P-17:1				14.4	1223.2			
	S-68:1				57.6	305.8			
SB–SR700H	17:1	3421	37000	27290	15.6	2365.7	150	130 (36x20)	F-48 F-40, F-35 (OPTION)
SB–SR700H-2B	85:1				70.4	525.7			
SB–SR700H-1ST	P-17:1				14.4	2571.4			
	S-68:1				57.6	642.9			
SB–SR800	17:1	3190	32000	23602	15.6	2046.0	160	140 (36X20)	F-48
SB–SR800-2B	93.5:1				77.4	413.3			
SB–SR800-1ST	P-17:1				14.4	2224.0			
	S-85:1				71.9	444.8			
SB–SR800H	17:1	5200	58000	42778	15.6	3708.4	160	140 (36X20)	F-48
SB–SR800H-2B	93.5:1				77.4	749.2			
SB–SR800H-1ST	P-17:1				14.4	4030.9			
	S-85:1				71.9	806.2			

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Worm Gear Actuators

Model	Ratio	Max. Output Torque		Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Turns to Close (REV)	Bore Diameter (Stem. Max)	Mounting Flange (ISO5210/1)
		(N · m)	(Ft · lbf)					
SBWG-BF	32:1	360	266	11.6	30.9	8	20 (6x6)	F-07 F–05 (OPTION)
SBWG-BFTN								
SBWG-BFMT						32		
SBWG-BFDC	29:1	320	236	10.9	29.4	8.0		
SBWG-BFDCM								
SBWG-0	36:1	780	575	13.4	58.1	9	28 (8x7)	F-10 F-07 (OPTION)
SBWG-0TN								
SBWG-0MT						36		
SBWG-0DC	34:1	680	502	13.3	51.1	8.5		
SBWG-0DCM								
SBWG-00	40:1	1200	885	14.1	85.0	10	36 (10x8)	F-12 F-10 (OPTION)
SBWG-00TN								
SBWG-00MT						40		
SBWG-00-1S	80:1			26.0	46.2	20		
SBWG-00TN-1S								
SBWG-00MT-1S						80		
SBWG-00-1ST	P-40:1			14.1	85.0	10		
	S-80:1			26.0	46.2	20		
SBWG-00-1SD	160 :1			47.8	25.1	40		
SBWG-00TN-1SD								
SBWG-00MT-1SD						160		
SBWG-00-1SDT	P-80:1			26.0	46.2	20		
	S-160:1			47.8	25.1	40		
SBWB-00-2SD	320 :1			87.9	13.7	80		
SBWG-00-1S2B	160:1			49.3	24.3	40		
SBWG-00-1SD2B	320:1			90.8	13.2	80		
SBWG-00-2B	80 :1			26.8	44.8	20		
SBWG-00-2BD	160:1			50.9	23.6	40		
SBWG-00-3W	1440:1			189.3	6.3	360		
SBWG-00-3W2B	1440:1			176.1	6.8	360		
SBWG-00DC	38 :1	980	723	14.1	69.3	9.5		
SBWG-00DCM								
SBWG-00DC-1S	67:1			22.8	43.1	16.6		
SBWG-00DCM-1S								
SBWG-00DC-2SD	266:1			77.0	12.7	66.5		
SBWG-00DCM-2SD								
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Model	Ratio	Max. Output Torque (N · m)	Max. Output Torque (Ft · lbf)	Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Turns to Close (REV)	Bore Diameter (Stem. Max)	Mounting Flange (ISO5210/1)
SBWG-01	44:1	2000	1475	15.1	132.2	11	46 (14x9)	F-14 F-12, F-10 (OPTION)
SBWG-01TN								
SBWG-01MT						44		
SBWG-01-1S	88 :1			27.8	71.8	22		
SBWG-01TN-1S								
SBWG-01MT-1S						88		
SBWG-01-1ST	P-44:1			15.1	132.2	11		
	S-88:1			27.8	71.8	22		
SBWG-01-1SD	176:1			51.2	39.0	44		
SBWG-01TN-1SD								
SBWG-01MT-1SD						176		
SBWG-01-1SDT	P-88:1			27.8	71.8	22		
	S-176:1			51.2	39.0	44		
SBWG-01-2SD	352:1			94.3	21.2	88		
SBWG-01-1S2B	176:1			52.9	37.8	44		
SBWG-01-1SD2B	352:1			97.3	20.5	88		
SBWG-01-2B	88:1			28.8	69.6	22		
SBWG-01-2BD	176:1			54.6	36.6	44		
SBWG-01-3W	1584:1			203.0	9.9	396		
SBWG-01-3W2B	1584:1			188.8	10.6	396		
SBWG-01DC	43:1	1600	1180	15.0	106.8	10.8		
SBWG-01DCM								
SBWG-01DC-1S	75:1			26.1	61.2	18.8		
SBWG-01DCM-1S								
SBWG-01DC-2SD	298:1			87.9	18.2	74.5		
SBWG-01DCM-2SD								
SBWG-02	48:1	2800	2065	15.9	176.1	12	60 (18x11)	F-16 F-14, F-12 (OPTION)
SBWG-02TN								
SBWG-02MT						48		
SBWG-02-1S	121.6:1			37.1	75.6	30.4		
SBWG-02TN-1S								
SBWG-02MT-1S						121.6		
SBWG-02-1ST	P-48:1			15.9	176.1	12		
	S-121.6:1			37.1	75.6	30.4		
SBWG-02-1SD	308.1:1			86.4	32.4	77		
SBWG-02TN-1SD								
SBWG-02MT-1SD						308.1		
SBWG-02-1SDT	P-121.6:1			37.1	75.6	30.4		
	S-308.1V			86.4	32.4	77		
SBWG-02-2SD	616.1:1			158.9	17.6	154		
SBWG-02-1S2B	243.2:1			70.4	39.8	60.8		
SBWG-02-1SD2B	616.1:1			164.1	17.1	154		
SBWG-02-2B	120:1			37.8	74.1	30		
SBWG-02-2BD	240 :1			71.7	39.0	60		
SBWG-02-3W	1920:1			224.4	12.5	480		
SBWG-02-3W2B	1920:1			208.7	13.4	480		
SBWG-02DC	46:1	2500	1844	15.9	157.4	11.5		
SBWG-02DCM								
SBWG-02DC-1S	107:1			34.0	73.5	26.8		
SBWG-02DCM-1S								
SBWG-02DC-2SD	429:1			115.4	21.7	107.3		
SBWG-02DCM-2SD								

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Technical Data

Model	Ratio	Max. Output Torque (N · m)	Max. Output Torque (Ft · lbf)	Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Turns to Close (REV)	Bore Diameter (Stem. Max)	Mounting Flange (ISO5210/1)
SBWG-03	52:1	4300	3172	16.9	253.7	13	75 (20x12)	(F-20) F-16, F-14 (OPTION)
SBWG-03TN								
SBWG-03MT						52		
SBWG-03-1S	131.7:1			39.5	108.9	32.9		
SBWG-03TN-1S								
SBWG-03MT-1S						131.7		
SBWG-03-1ST	P-52:1			16.9	253.7	13		
	S-131.7:1			39.5	108.9	32.9		
SBWG-03-1SD	333.7:1			92.1	46.7	83.4		
SBWG-03TN-1SD								
SBWG-03MT-1SD						333.7		
SBWG-03-1SDT	P-131.7:1			39.5	108.9	32.9		
	S-333.7:1			92.1	46.7	83.4		
SBWG-03-2SD	667.4:1			169.4	25.4	166.9		
SBWG-03-1S2B	263.5:1			75.0	57.3	65.9		
SBWG-03-1SD2B	667.4:1			174.9	24.6	166.9		
SBWG-03-2B	130:1			40.2	106.8	32.5		
SBWG-03-2BD	260:1			76.5	56.2	65		
SBWG-03-3W	2080:1			233.1	18.4	520		
SBWG-03-3W2B	2080:1			216.8	19.8	520		
SBWG-03DC	50:1	3800	2803	16.9	224.6	12.5		
SBWG-03DCM								
SBWG-03DC-1S	117:1			36.4	104.3	29.3		
SBWG-03DCM-1S								
SBWG-03DC-2SD	467:1			123.0	30.9	116.8		
SBWG-03DCM-2SD								
SBWG-35	52:1	6100	4499	17.4	350.5	13	80 (22x14)	F-25, (F–20) F–16 (OPTION)
SBWG-35TN								
SBWG-35MT						52		
SBWG-35-1S	131.7:1			40.6	150.4	32.9		
SBWG-35TN-1S								
SBWG-35MT-1S						131.7		
SBWG-35-1ST	P-52:1			17.4	350.5	13		
	S-131.7:1			40.6	150.4	32.9		
SBWG-35-1SD	333.7:1			94.5	64.5	83.4		
SBWG-35TN-1SD								
SBWG-35MT-1SD						333.7		
SBWG-35-1SDT	P-131.7:1			40.6	150.4	32.9		
	S-333.7:1			94.5	64.5	83.4		
SBWG-35-2SD	667.4:1			173.9	35.1	166.9		
SBWG-35-1S2B	263.5:1			77.1	79.2	65.9		
SBWG-35-1SD2B	667.4:1			179.6	34.0	166.9		
SBWG-35-2B	130:1			41.3	147.6	32.5		
SBWG-35-2BD	260:1			78.5	77.7	65		
SBWG-35-3W	2080:1			233.1	18.4	520		
SBWG-35-3W2B	2080:1			216.8	19.8	520		
SBWG-35DC	52:1	5600	4130	20.1	278.6	13		
SBWG-35DCM								
SBWG-35DC-1S	118:1			41.9	133.6	29.5		
SBWG-35DCM-1S								
SBWG-35DC-2SD	471:1			141.9	39.5	117.9		
SBWG-35DCM-2SD								
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SBWG-04	56:1	10400	7671	18.3	569.8	14	95 (25x14)	F-25 (F-20), F-16 (OPTION)
SBWG-04TN								
SBWG-04MT						56		
SBWG-04-1S	168:1			50.4	206.5	42		
SBWG-04TN-1S								
SBWG-04MT-1S						168		
SBWG-04-1ST	P-56:1			18.3	569.8	14		
	S-168:1			50.4	206.5	42		
SBWG-04-1SD	504:1			139.0	74.8	126		
SBWG-04TN-1SD								
SBWG-04MT-1SD						504		
SBWG-04-1SDT	P-168:1			50.4	206.5	42		
	S-504:1			139.0	74.8	126		
SBWG-04-2SD	1276.8:1			324.0	32.1	319.2		
SBWG-04-1S2B	420:1			119.6	86.9	105		
SBWG-04-1SD2B	1260 :1			330.2	31.5	315		
SBWG-04-2B	168:1			52.0	199.9	42		
SBWG-04-2BD	420:1			123.5	84.2	105		
SBWG-04-3W	2688:1			290.2	35.8	672		
SBWG-04-3W2B	3360:1			337.3	30.8	840		
SBWG-04DC	56:1	9600	7081	21.2	452.7	14		
SBWG-04DCM								
SBWG-04DC-1S	149.3:1			52.0	184.5	37.3		
SBWG-04DCM-1S								
SBWG-04DC-2SD	958:1			282.5	34.0	239.5		
SBWG-04DCM-2SD								
SBWG-05	60:1	15900	11727	19.6	813.1	15	115 (32x18)	F-30 F-25 (OPTION)
SBWG-05TN								
SBWG-05MT						60		
SBWG-05-1S	180:1			54.0	294.6	45		
SBWG-05TN-1S								
SBWG-05MT-1S						180		
SBWG-05-1ST	P-60:1			19.6	813.1	15		
	S-180:1			54.0	294.6	45		
SBWG-05-1SD	540:1			149.0	106.7	135		
SBWG-05TN-1SD								
SBWG-05MT-1SD						540		
SBWG-05-1SDT	P-180:1			54.0	294.6	45		
	S-540:1			149.0	106.7	135		
SBWG-05-2SD	1368:1			347.2	45.8	342		
SBWG-05-1S2B	450:1			128.2	124.0	112.5		
SBWG-05-1SD2B	1350:1			353.8	44.9	337.5		
SBWG-05-2B	180:1			55.7	285.3	45		
SBWG-05-2BD	450:1			132.4	120.1	112.5		
SBWG-05-3W	2880:1			305.9	52.0	720		
SBWG-05-3W2B	3600:1			355.6	44.7	900		
SBWG-05DC	60:1	14400	10621	22.4	644.0	15		
SBWG-05DCM								
SBWG-05DC-1S	160:1			54.9	262.5	40		
SBWG-05DCM-1S								
SBWG-05DC-2SD	1026:1			297.9	48.3	256.6		
SBWG-05DCM-2SD								

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SBWG-55	62:1	23500	17333	20.8	1129.8	15.5	125 (32x18)	F-30 F-25 (OPTION)
SBWG-55TN								
SBWG-55MT						62		
SBWG-55-1S	186:1			57.4	409.3	46.5		
SBWG-55TN-1S								
SBWG-55MT-1S						186		
SBWG-55-1ST	P-62:1			20.8	1129.8	15.5		
	S-186:1			57.4	409.3	46.5		
SBWG-55-1SD	558:1			158.5	148.3	139.5		
SBWG-55TN-1SD								
SBWG-55MT-1SD						558		
SBWG-55-1SDT	P-186:1			57.4	409.3	46.5		
	S-558:1			158.5	148.3	139.5		
SBWG-55-2SD	1413.6:1			369.3	63.6	353.4		
SBWG-55-1S2B	465:1			136.3	172.4	116.3		
SBWG-55-1SD2B	1395:1			376.3	62.4	348.8		
SBWG-55-2B	186:1			59.3	396.4	46.5		
SBWG-55-2BD	465:1			140.8	166.9	116.3		
SBWG-55-3W	3224:1			352.5	66.7	806		
SBWG-55-3W2B	4030:1			409.8	57.3	1007.5		
SBWG-55DC	62:1	21150	15599	23.6	897.5	15.5		
SBWG-55DCM								
SBWG-55DC-1S	165:1			57.8	365.8	41.3		
SBWG-55DCM-1S								
SBWG-55DC-2SD	1061:1			313.9	67.4	265.2		
SBWG-55DCM-2SD								
SBWG-06	64:1	32800	24192	20.2	1627.5	16	140 (36x20)	F-35 F-30, F-25 (OPTION)
SBWG-06TN								
SBWG-06MT						64		
SBWG-06-1S	256:1			74.2	442.2	64		
SBWG-06TN-1S								
SBWG-06MT-1S						256		
SBWG-06-1ST	P-64:1			20.2	1627.5	16		
	S-256:1			74.2	442.2	64		
SBWG-06-1SD	1024:1			272.9	120.2	256		
SBWG-06TN-1SD								
SBWG-06MT-1SD						1024		
SBWG-06-1SDT	P-256:1			74.2	442.2	64		
	S-1024:1			272.9	120.2	256		
SBWG-06-2SD	3072:1			753.3	43.5	768		
SBWG-06-1S2B	768:1			211.4	155.2	192		
SBWG-06-1SD2B	3072:1			777.9	42.2	768		
SBWG-06-2B	256:1			76.6	428.3	64		
SBWG-06-2BD	768:1			218.3	150.3	192		
SBWG-06-3W	3328:1			350.7	93.5	832		
SBWG-06-3W2B	4160:1			407.7	80.4	1040		
SBWG-06DC	64:1	29520	21773	23.3	1267.2	16		
SBWG-06DCM								
SBWG-06DC-1S	232:1			77.7	380.0	58		
SBWG-06DCM-1S								
SBWG-06DC-2SD	2088:1			591.8	49.9	522		
SBWG-06DCM-2SD								
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SBWG-07	68:1	51100	37689	22.0	2323.0	17	180 (45x25)	F-40 F-35,F-30 (OPTION)
SBWG-07TN								
SBWG-07MT						68		
SBWG-07-1S	272:1			80.9	631.3	68		
SBWG-07TN-1S								
SBWG-07MT-1S						272		
SBWG-07-1ST	P-68:1			22.0	2323.0	17		
	S-272:1			80.9	631.3	68		
SBWG-07-1SD	1088:1			297.9	171.5	272		
SBWG-07TN-1SD								
SBWG-07MT-1SD						1088		
SBWG-07-1SDT	P-272:1			80.9	631.3	68		
	S-1088:1			297.9	171.5	272		
SBWG-07-2SD	3264:1			822.2	62.2	816		
SBWG-07-1S2B	816:1			230.7	221.5	204		
SBWG-07-1SD2B	3264:1			849.0	60.2	816		
SBWG-07-2B	272:1			83.6	611.3	68		
SBWG-07-2BD	816:1			238.2	214.5	204		
SBWG-07-3W	3536:1			382.8	133.5	884		
SBWG-07-3W2B	4420:1			445.0	114.8	1105		
SBWG-07DC	68:1	45000	33190	25.0	1802.9	17		
SBWG-07DCM								
SBWG-07DC-1S	247:1			83.2	540.6	61.6		
SBWG-07DCM-1S								
SBWG-07DC-2SD	2218:1			633.9	71.0	554.5		
SBWG-07DCM-2SD								
SBWG-75	66:1	81500	60111	23.1	3532.3	16.5	210 (50x28)	F-48 F-40, F-35 (OPTION)
SBWG-75TN								
SBWG-75MT						66		
SBWG-75-1S	330:1			106.1	767.9	82.5		
SBWG-75TN-1S								
SBWG-75MT-1S						330		
SBWG-75-1ST	P-66:1			23.1	3532.3	16.5		
	S-330:1			106.1	767.9	82.5		
SBWG-75-1SD	1650:1			488.2	166.9	412.5		
SBWG-75TN-1SD								
SBWG-75MT-1SD						1650		
SBWG-75-1SDT	P-330:1			106.1	767.9	82.5		
	S-1650:1			488.2	166.9	412.5		
SBWG-75-2SD	6600:1			1796.7	45.4	1650		
SBWG-75-1S2B	1073:1			327.7	248.7	268.1		
SBWG-75-1SD2B	5775:1			1623.4	50.2	1443.8		
SBWG-75-2B	330:1			109.6	743.6	82.5		
SBWG-75-2BD	990:1			312.7	240.9	268.1		
SBWG-75-3W	3696:1			421.1	193.5	924		
SBWG-75-3W2B	5544:1			587.4	138.7	1386		
SBWG-75DC	65:1	73350	54100	25.7	2856.0	16.3		
SBWG-75DCM								
SBWG-75DC-1S	290:1			105.5	695.0	72.6		
SBWG-75DCM-1S								
SBWG-75DC-2SD	4645:1			1429.3	51.3	1161.3		
SBWG-75DCM-2SD								

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SBWG-08	66:1	121000	89245	24.3	4978.0	16.5	250 (56x32)	F-48 F-40 (OPTION)
SBWG-08TN								
SBWG-08MT						66		
SBWG-08-1S	330:1			111.8	1082.2	82.5		
SBWG-08TN-1S								
SBWG-08MT-1S						330		
SBWG-08-1ST	P-66:1			24.3	4978.0	16.5		
	S-330:1			111.8	1082.2	82.5		
SBWG-08-1SD	1650:1			514.3	235.3	412.5		
SBWG-08TN-1SD								
SBWG-08MT-1SD						1650		
SBWG-08-1SDT	P-330:1			111.8	1082.2	82.5		
	S-1650:1			514.3	235.3	412.5		
SBWG-08-2SD	6600:1			1892.8	63.9	1650		
SBWG-08-1S2B	1155:1			371.8	325.8	288.8		
SBWG-08-1SD2B	5775:1			1710.2	70.8	1443.8		
SBWG-08-2B	363:1			127.0	952.7	90.8		
SBWG-08-2BD	1270.5:1			422.3	286.5	317.6		
SBWG-08-3W	3960:1			475.3	254.6	990		
SBWG-08-3W2B	5940:1			663.1	182.5	1485		
SBWG-08DC	65:1	108900		26.4	4120.7	16.3		
SBWG-08DCM								
SBWG-08DC-1S	290:1			108.6	1002.8	72.6		
SBWG-08DCM-1S								
SBWG-08DC-2SD	4645:1			1470.7	74.0	1161.3		
SBWG-08DCM-2SD								
SBWG-09	66:1	192500	141981	25.9	7429.6	16.5	280 (63x32)	F-60 F-48 (OPTION)
SBWG-09TN								
SBWG-09MT						66		
SBWG-09-1S	330:1			119.2	1615.1	82.5		
SBWG-09TN-1S								
SBWG-09MT-1S						330		
SBWG-09-1ST	P-66:1			25.9	7429.6	16.5		
	S-330:1			119.2	1615.1	82.5		
SBWG-09-1SD	1650:1			548.3	351.1	412.5		
SBWG-09TN-1SD								
SBWG-09MT-1SD						1650		
SBWG-09-1SDT	P-330:1			119.2	1615.1	82.5		
	S-1650:1			548.3	351.1	412.5		
SBWG-09-2SD	6600:1			2017.6	95.4	1650		
SBWG-09-1S2B	1155:1			396.3	485.8	288.8		
SBWG-09-1SD2B	5775:1			1822.9	105.6	1443.8		
SBWG-09-2B	396:1			147.7	1303.4	99		
SBWG-09-2BD	1386:1			491.1	392	346.5		
SBWG-09-3W	4092:1			538.9	357.2	1023		
SBWG-09-3W2B	6138:1			751.8	256.0	1534.5		
SBWG-09DC	64:1	178000	131286	27.0	6604.5	16		
SBWG-09DCM								
SBWG-09DC-1S	286:1			110.8	1607.2	71.5		
SBWG-09DCM-1S								
SBWG-09DC-2SD	4574:1			1499.9	118.7	1143.5		
SBWG-09DCM-2SD								

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SBWG-10	64:1	275000	202830	24.3	11313.4	16	320 (70x36)	F-60
SBWG-10TN								
SBWG-10MT						64		
SBWG-10-1S	320:1			111.8	2459.4	80		
SBWG-10TN-1S								
SBWG-10MT-1S						320		
SBWG-10-1ST	P-64:1			24.3	11313.4	16		
	S-320:1			111.8	2459.4	80		
SBWG-10-1SD	1600:1			514.3	534.7	400		
SBWG-10TN-1SD								
SBWG-10MT-1SD						1600		
SBWG-10-1SDT	P-320:1			111.8	2459.4	80		
	S-1600:1			514.3	534.7	400		
SBWG-10-2SD	8000:1			2366.0	116.2	2000		
SBWG-10-1S2B	1208:1			424.9	647.2	320		
SBWG-10-1SD2B	6400:1			1954.5	140.7	1600		
SBWG-10-2B	416:1			150.1	1832.1	104		
SBWG-10-2BD	1664:1			570.4	482.1	416		
SBWG-10-3W	3968:1			474.6	579.5	902		
SBWG-10-3W2B	5940:1			660.7	416.2	1485		
SBWG-10DC	62:1	253000	186600	25.1	10075.7	15.5		
SBWG-10DCM								
SBWG-10DC-1S	277:1			106.2	2382.2	69.2		
SBWG-10DCM-1S								
SBWG-10DC-2SD	6929.4:1			2404.5	105.2	1732.3		
SBWG-10DCM-2SD								
SBWG-105	66:1	358500	264416	25.2	14227.1	16.5	320 (70x36)	F-60
SBWG-105TN								
SBWG-105MT						66.0		
SBWG-105-1S	320:1			112.4	3189.5	80.0		
SBWG-105TN-1S								
SBWG-105MT-1S						320.0		
SBWG-105-1ST	P-66:1			25.2	14227.1	16.5		
	S-320:1			112.4	3189.5	80.0		
SBWG-105-1SD	1650:1			533.2	672.4	412.5		
SBWG-105TN-1SD								
SBWG-105MT-1SD						1650.0		
SBWG-105-1SDT	P-320:1			112.4	3189.5	80.0		
	S-1650:1			533.2	672.4	412.5		
SBWG-105-2SD	8250:1			2452.7	146.2	2062.5		
SBWG-105-1S2B	1320:1			440.5	813.9	330		
SBWG-105-1SD2B	6600:1			2026.1	176.9	1650		
SBWG-105-2B	429:1			155.6	2304.0	107.3		
SBWG-105-2BD	1716:1			591.3	606.3	420		
SBWG-105-3W	4092:1			505.4	709.4	1023		
SBWG-105-3W2B	6138:1			705	508.5	1534.5		

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SBWG-11	68:1	442000	326002	26.2	16882.0	17	360 (80x40)	F-60
SBWG-11TN								
SBWG-11MT						68		
SBWG-11-1S	340:1			120.4	3670.0	85		
SBWG-11TN-1S								
SBWG-11MT-1S						340		
SBWG-11-1ST	P-68:1			26.2	16882.0	17		
	S-340:1			120.4	3670.0	85		
SBWG-11-1SD	1700:1			554.0	797.8	425		
SBWG-11TN-1SD								
SBWG-11MT-1SD						1700		
SBWG-11-1SDT	P-340:1			120.4	3670.0	85		
	S-1700:1			554.0	797.8	425		
SBWG-11-2SD	8500:1			2548.4	173.4	2125		
SBWG-11-1S2B	1700:1			572.1	772.6	425		
SBWG-11-1SD2B	8500:1			2631.5	168.0	2125		
SBWG-11-2B	442:1			161.7	2733.9	110.5		
SBWG-11-2BD	2380:1			827	534.5	595		
SBWG-11-3W	4352:1			542	815.4	1088		
SBWG-11-3W2B	8704:1			1008.2	438.4	2176		
SBWG-12	70:1	610000	449913	27.1	22546.0	17.5	400 (90x45)	F-80 F-60 (OPTION)
SBWG-12TN								
SBWG-12MT						70		
SBWG-12-1S	350 :1			124.5	4901.3	87.5		
SBWG-12TN-1S								
SBWG-12MT-1S						350		
SBWG-12-1ST	P-70:1			27.1	22546.0	17.5		
	S-350:1			124.5	4901.3	87.5		
SBWG-12-1SD	1750:1			572.5	1065.5	437.5		
SBWG-12TN-1SD								
SBWG-12MT-1SD						1750		
SBWG-12-1SDT	P-350:1			124.5	4901.3	87.5		
	S-1750:1			572.5	1065.5	437.5		
SBWG-12-2SD	8750:1			2633.5	231.6	2187.5		
SBWG-12-1S2B	1925:1			557.3	1094.5	481.3		
SBWG-12-1SD2B	9625:1			2563.6	237.9	2406.3		
SBWG-12-2B	490:1			179.9	3390.4	122.5		
SBWG-12-2BD	2695:1			805.7	757.1	673.8		
SBWG-12-3W	4760:1			556.2	1096.7	1190		
SBWG-12-3W2B	9520:1			1034.6	589.6	2380		
SBWG-13	72:1	970000	715435	28.0	34640.7	18	450 (100x50)	F-80 F-60 (OPTION)
SBWG-13TN								
SBWG-13MT						72		
SBWG-13-1S	360:1			128.8	7530.6	90		
SBWG-13TN-1S								
SBWG-13MT-1S						360		
SBWG-13-1ST	P-72:1			28.0	34640.7	18		
	S-360:1			128.8	7530.6	90		
SBWG-13-1SD	1800:1			592.5	1637.1	450		
SBWG-13TN-1SD								
SBWG-13MT-1SD						1800		
SBWG-13-1SDT	P-360:1			128.8	7530.6	90		
	S-1800:1			592.5	1637.1	450		
SBWG-13-2SD	9000 :1			2725.6	355.9	2250		
SBWG-13-1S2B	1980:1			673	1441.3	495		
SBWG-13-1SD2B	9900:1			3095.9	313.3	2475		
SBWG-13-2B	544:1			201.0	4826.1	136		
SBWG-13-2BD	2992:1			1050.2	923.7	748		
SBWG-13-3W	4752:1			680.6	1425.1	1188		
SBWG-13-3W2B	11880:1			1582.5	613	2970		

Remark

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** mark has been changed and updated.*

Model	Ratio	Max. Output Torque (N · m)	Max. Output Torque (Ft · lbf)	Mechanical Advantage (±10%)	Max. Input Torque (N · m)	Turns to Close (REV)	Bore Diameter (Stem. Max)	Mounting Flange (ISO5210/1)
SBWG-14	74:1	1500000	1106343	29.2	51364.8	18.5	450 (100x50)	F100 F80(OPTION)
SBWG-14TN								
SBWG-14MT						74.0		
SBWG-14-1S	370:1			134.3	11166.3	92.5		
SBWG-14TN-1S								
SBWG-14MT-1S						370.0		
SBWG-14-1ST	P-74:1			29.2	51364.8	18.5		
	S-370:1			134.3	11166.3	92.5		
SBWG-14-1SD	1850:1			617.9	2427.4	462.5		
SBWG-14TN-1SD								
SBWG-14MT-1SD						1850.0		
SBWG-14-1SDT	P-370:1			134.3	11166.3	92.5		
	S-1850:1			617.9	2427.4	462.5		
SBWG-14-2SD	9250:1			2842.5	527.7	2312.5		
SBWG-14-1S2B	2220:1			2765.7	1959	555		
SBWG-14-1SD2B	11100:1			3522.2	425.9	2775		
SBWG-14-2B	592:1			221.9	6758.5	148.0		
SBWG-14-2BD	3552:1			1265.1	1185.7	888		
SBWG-14-3W	4884:1			673.8	2226.2	1221		
SBWG-14-3W2B	13431:1			1723.2	870.5	3357.8		
SBWG-15	80:1	2000000	1475124	30.9	64681.2	20.0	500 (100x50)	F100 F80(OPTION)
SBWG-15TN								
SBWG-15MT						80.0		
SBWG-15-1S	400:1			142.2	14061.1	f		
SBWG-15TN-1S								
SBWG-15MT-1S						400.0		
SBWG-15-1ST	P-80:1			30.9	64681.2	20.0		
	S-400:1			142.2	14061.1	f		
SBWG-15-1SD	2000:1			654.3	3056.8	500.0		
SBWG-15TN-1SD								
SBWG-15MT-1SD						2000.0		
SBWG-15-1SDT	P-400:1			142.2	14061.1	f		
	S-2000:1			654.3	3056.8	500.0		
SBWG-15-2SD	10000:1			3009.7	664.5	2500.0		
SBWG-15-1S2B	2622:1			885.8	2257.8	655.6		
SBWG-15-1SD2B	13111:1			4074.8	490.8	3277.8		
SBWG-15-2B	640:1			235.0	8510.7	160.0		
SBWG-15-2BD	4196:1			1463.5	1366.6	1048.9		
SBWG-15-3W	5280:1			716.4	2803.3	1320		
SBWG-15-3W2B	15840:1			1990.5	1004.8	3960		

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