



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	75,5	220	162	2,4	92,6	30	22 (8x7)	F-10 F-07 (OPTION)
SB-VS10-1S	5:1				4,6	47,7			
SB-MT-VS10	1:1				0,9	243,8			
SB-VS10C	2,5:1		330	243	2,4	137,5	Ø42		F-14, F-16
SB-VS10C-1S	5:1				4,6	71,7			
SB-VS20	3:1	113	370	273	2,9	129,8	40	32 (10x8)	F-12 F-10 (OPTION)
SB-VS20-1S	6:1				5,5	66,9			
SB-MT-VS20	1:1				0,9	410			
SB-VS20C	3:1		555	409	2,9	191,3	Ø50		F-16, (F-20)
SB-VS20C-1S	6:1				5,5	100,9			
SB-V0	3,25:1	127	600	443	3,1	194,3	46	38 (12x8)	F-14 F-12 (OPTION) F-10
SB-V0W									
SB-V0-1S	6,5:1				6	100,2			
SB-V0W-1S									
SB-V0-1ST	P-3,25:1				3,3	180,5			
	S-6,5:1				6,0	100,2			
SB-V0-1S2B	13:1				11,4	52,7			
SB-V0-1SD	20,86:1				18,7	32,1			
SB-V0W-1SD									
SB-V0-1SDT	P-6,5:1				5,9	102,3			
	S-20,86:1				18,7	32,1			
SB-MT-V0	1:1				0,9	664,8			
SB-V0-2B	6,5:1				5,9	102,3			
SB-V0W-2B									
SB-V0C	3,25:1		900	663	3,1	290,3	Ø60		F-16, (F-20)
SB-V0C-1S	6,5:1				5,9	152,5			
SB-V1	3,5:1	141	980	723	3,3	294,7	55	45 (14x9)	F-16 F-14 (OPTION)
SB-V1W									
SB-V1-1S	7:1				6,3	155,1			
SB-V1W-1S									
SB-V1-1ST	P-3,5:1				3,2	310,2			
	S-7:1				6,3	155,1			
SB-V1-1S2B	14:1				12	81,6			
SB-V1-1SD	22,46:1				20,2	48,5			
SB-V1W-1SD									
SB-V1-1SDT	P-7:1				6,3	155,1			
	S-22,46:1				20,2	48,5			
SB-MT-V1	1:1				0,9	1085,9			
SB-V1-2B	7:1				6,3	155,1			
SB-V1W-2B									
SB-V1C	3,5:1		1470	1084	3,3	445,4	Ø69		(F-20), F-25
SB-V1C-1S	7:1				6,3	233,3			
Remark	• Ratio & Base specification to be changeable.								
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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V2	4:1	190	1500	1106	3,8	394,7	62	52 (16x10)	(F-20) F-14,F-16 (OPTION)
SB-V2W									
SB-V2-1S	10,13:1				9,3	160,6			
SB-V2W-1S									
SB-V2-1ST	P-4:1 S-10,13:1				3,7	406,9			
					9,3	160,6			
SB-V2-1S2B	20,27:1				17,7	84,5			
SB-V2-1SD	25,67:1				23,7	63,4			
SB-V2W-1SD									
SB-V2-1SDT	P-10,13:1 S-25,67:1				9,3	160,6			
					23,7	63,4			
SB-MT-V2	1:1				0,92	1627,8			
SB-V2-2B	10:1				9	166,2			
SB-V2W-2B									
SB-V2C	4:1				2250	1659			
SB-V2C-1S	10,13:1		9,3	241,9					
SB-V2H	4:1		1080	2900	2139	3,8	763,2	65	55 (16x10)
SB-V2HW									
SB-V2H-1S	10,13:1	9,3				310,6			
SB-V2HW-1S									
SB-V2H-1ST	P-4:1 S-10,13:1	3,7				786,8			
		9,3				310,6			
SB-V2H-1SD	25,67:1	23,7				122,6			
SB-V2HW-1SD									
SB-V2H-1SDT	P-10,13:1 S-25,67:1	9,3				310,6			
		23,7				122,6			
SB-V2H-2B	10:1	9				321,3			
SB-V2HW-2B									
SB-V3	5:1	288				2500	1844		
SB-V3W									
SB-V3-1S	12,67:1		11,7	214,2					
SB-V3W-1S									
SB-V3-1ST	P-5:1 S-12,67:1		4,6	542,6					
			11,7	214,2					
SB-V3-1S2B	25,33:1		22,2	112,7					
SB-V3-1SD	32,1:1		29,6	84,5					
SB-V3W-1SD									
SB-V3-1SDT	P-12,67:1 S-32,08:1		11,7	214,2					
			29,6	84,5					
SB-MT-V3	1:1		0,92	2713					
SB-V3-2B	15:1		13,5	184,7					
SB-V3W-2B									
SB-V3C	5:1		3750	2765	4,8			781,2	Ø97
SB-V3C-1S	12,67:1				11,7	320,5			
SB-V3H	5:1		1710	4500	3319	4,8	947,4	80	70 (20x12)
SB-V3HW									
SB-V3H-1S	12,67:1	11,7				385,5			
SB-V3HW-1S									
SB-V3H-1ST	P-5:1 S-12,67:1	4,6				976,7			
		11,7				385,5			
SB-V3H-1SD	32,1:1	29,6				152,2			
SB-V3HW-1SD									
SB-V3H-1SDT	P-12,67:1 S-32,08:1	11,7				385,5			
		29,6				152,2			
SB-V3H-2B	15:1	13,5				332,4			
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	5,2	669,9	85	72 (20x12)	F-30 F-25 (OPTION)						
SB-V35W															
SB-V35-1S	16,5:1				15,2	230,2									
SB-V35W-1S															
SB-V35-1ST	P-5,5:1				5,1	690,6									
	S-16,5:1				15,2	243,1									
SB-V35-1S2B	41,25:1				36,1	96,9									
SB-V35-1SD	49,5:1				45,6	76,7									
SB-V35W-1SD															
SB-V35-1SDT	P-16,5:1				15,2	230,2									
	S-49,5:1				45,6	76,7									
SB-MT-V35	1:1				0,92	3798,2									
SB-V35-2B	17,88 :1									16,1	217				
SB-V35W-2B															
SB-V35C	5,5:1	5250	3872	5,2	1009,6	Ø115		F-35, F-40							
SB-V35C-1S	16,5:1			15,2	345,3										
SB-V35H	5,5:1	2450	7000	5163	5,2	1339,7	95	85 (22x14)	F-35 F-30,F-25 (OPTION)						
SB-V35HW															
SB-V35H-1S	16,5:1				15,2	460,4									
SB-V35HW-1S															
SB-V35H-1ST	P-5,5:1				5,1	1381,1									
	S-16,5:1				15,2	460,4									
SB-V35H-1SD	49,5:1				45,6	153,5									
SB-V35HW-1SD															
SB-V35H-1SDT	P-16,5:1				15,2	460,4									
	S-49,5:1				45,6	153,5									
SB-V35H-2B	17,88 :1									16,1	433,9				
SB-V35HW-2B															
SB-V4	6:1				400	5200				3835	5,7	912,3	98	84 (22x14)	F-35 F-30,F-25 (OPTION)
SB-V4W															
SB-V4-1S	18:1	16,6	313,5												
SB-V4W-1S															
SB-V4-1ST	P-6:1	5,5	940,5												
	S-18:1	16,6	313,5												
SB-V4-1S2B	45:1	39,4	132												
SB-V4-1SD	54:1	49,8	104,5												
SB-V4W-1SD															
SB-V4-1SDT	P-18:1	16,6	313,5												
	S-54:1	49,8	104,5												
SB-MT-V4	1:1	0,92	5643												
SB-V4-2B	21:1			19			274,4								
SB-V4W-2B															
SB-V4C	6:1	7800	5752	5,7			1368,4	Ø130			F-35, F-40				
SB-V4C-1S	18:1			16,6			469,8								
SB-V4H	6:1	2900	9800	7228	5,7	1719,3	110	95 (25x14)	F-35 F-30,F-25 (OPTION)						
SB-V4HW															
SB-V4H-1S	18:1				16,6	590,8									
SB-V4HW-1S															
SB-V4H-1ST	P-6:1				5,5	1772,5									
	S-18:1				16,6	590,8									
SB-V4H-1SD	54:1				49,8	196,9									
SB-V4HW-1SD															
SB-V4H-1SDT	P-18:1				16,6	590,8									
	S-54:1				49,8	196,9									
SB-V4H-2B	21:1									19	517,1				
SB-V4HW-2B															
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			(N · m)	(Ft · lbf)			TW	KEY	
SB-V5	6,56:1	510	7800	5753	6,2	1252,5	110	95 (28x16)	F-35 F-30, F-25 (OPTION)
SB-V5W									
SB-V5-1S	22,9444:1				21,1	368,9			
SB-V5W-1S									
SB-V5-1ST	P-6,556:1				6	1291,2			
	S-22,94:1				21,1	368,9			
SB-V5-1S2B	57,36:1				41,5	187,9			
SB-V5-1SD									
SB-V5W-1SD	80,31:1				74	105,4			
SB-V5-1SDT	P-22,94:1				21,1	368,9			
	S-80,31:1				74	105,4			
SB-MT-V5	1:1				0,9	8464,5			
SB-V5-2B	26,2222:1				23,7	329,6			
SB-V5W-2B									
SB-V5C	6,5:1	3500	15000	11063	6,2	2408,6	130	115 (32x18)	F-40 F-35, F-30 (OPTION)
SB-V5C-1S	19,5:1				21,1	554,5			
SB-V5H	6,55556:1				6,2	2408,6			
SB-V5HW									
SB-V5H-1S	22,9444:1				21,1	709,4			
SB-V5HW-1S									
SB-V5H-1ST	P-6,556:1				6	2483,1			
	S-22,94:1				21,1	709,4			
SB-V5H-1SD									
SB-V5HW-1SD	80,31:1				74	202,7			
SB-V5H-1SDT	P-22,94:1				21,1	709,4			
	S-580,31:1				74	202,7			
SB-V5H-2B	26,2222:1				23,7	633,8			
SB-V5HW-2B									
SB-V55	7:1	1500	10400	7671	6,7	1563,9	120	105 (28x16)	F-40 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	61,25:1				53,6	194			
SB-V55-1SD									
SB-V55W-1SD	85,75:1				79	131,6			
SB-V55-1SDT	P-24,5:1				22,6	460,7			
	S-85,75:1				79	131,6			
SB-MT-V55	1:1				0,9	11555			
SB-V55-2B	35:1				31,6	329,6			
SB-V55W-2B									
SB-V55H	7:1	4200	19000	14014	6,7	2857,1	140	120 (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									
SB-V55HW-1SD	85,75:1				79	240,4			
SB-V55H-1SDT	P-24,5:1				22,6	841,6			
	S-85,75:1				79	240,4			
SB-V55H-2B									
SB-V55HW-2B	35:1				31,6	601,5			

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TECHNICAL DATA

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			(N · m)	(Ft · lbf)			TW	KEY							
SB-V6	7:1	2310	13000	9588	6,7	1954,9	130	115 (32x18)	F-40 F-35, F-30 (OPTION)						
SB-V6W															
SB-V6-1S					25,8	503,8									
SB-V6W-1S	28:1														
SB-V6-1ST					6,5	2015,3									
SB-V6-1S2B					25,8	503,8									
SB-V6-1SD	84:1				73,5	176,8									
SB-V6W-1SD					103,2	126									
SB-V6-1SDT					25,8	503,8									
SB-V6-1SDT	112:1				103,2	126									
SB-MT-V6	1:1				0,9	14107,4									
SB-V6-2B	35:1				31,6	411,6									
SB-V6W-2B															
SB-V6H															
SB-V6HW	7:1	4700	23000	16964	6,7	3458,6	150	130 (36x20)	F-48 F-40, F-35 (OPTION)						
SB-V6H-1S					25,8	891,4									
SB-V6HW-1S															
SB-V6H-1ST	28:1				6,5	3565,6									
SB-V6H-1SD					25,8	891,4									
SB-V6HW-1SD					103,2	222,9									
SB-V6H-1SDT	112:1				25,8	891,4									
SB-V6H-1SDT					103,2	222,9									
SB-V6H-2B					31,6	728,1									
SB-V6HW-2B	35:1														
SB-V7	7,56 :1				7,2	2452									
SB-V7W															
SB-V7-1S					27,8	632									
SB-V7W-1S	30,22 :1														
SB-V7-1ST					7	2527,8									
SB-V7-1S2B					27,8	632									
SB-V7-1SD	90,67 :1				79,4	221,7									
SB-V7W-1SD					111,4	158									
SB-V7-1SDT															
SB-V7-1SDT	120,89 :1				27,8	632									
					111,4	158									
SB-V7-2B	37,78 :1				34,1	516,2									
SB-V7W-2B															
SB-V7H															
SB-V7HW	7,56 :1	5200	37000	27290	7,2	5154,8	170	150 (40x22)	F-48						
SB-V7H-1S					27,8	1328,6									
SB-V7HW-1S															
SB-V7H-1ST	30,22 :1				7	5314,2									
SB-V7H-1SD					27,8	1328,6									
SB-V7HW-1SD					111,4	332,1									
SB-V7H-1SDT	120,89 :1				27,8	1328,6									
SB-V7H-1SDT					111,4	332,1									
SB-V7H-2B					34,1	1085,2									
SB-V7HW-2B	37,78 :1														
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			(N · m)	(Ft · lbf)			TW	KEY				
SB-V75	8:1	3450	21000	15489	7,6	2763,2	160	140 (36x20)	F—48 F—40 (OPTION)			
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						
SB-V75—2B	37,78:1				34,1	615,9						
SB-V75W—2B												
SB-V75H	8:1	6800	46000	33928	7,6	6052,6	190	170 (40x22)	F—60 F—48 (OPTION)			
SB-V75HW												
SB-V75H—1S	40:1				36,9	1248						
SB-V75HW—1S												
SB-V75H—1ST	8:1				7,4	6239,8						
	40:1				36,9	1248						
SB-V75H—1SD	200:1				184,3	249,6						
SB-V75HW—1SD												
SB-V75H—1SDT	40:1				36,9	1248						
	200:1				184,3	249,6						
SB-V75H—2B	37,78:1				34,1	1349,2						
SB-V75HW—2B												
SB-V8	8:1				4100	32000				23602	7,6	4210,5
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—2B	44:1						39,7	805,8				
SB-V8W—2B												
SB-V8H	8:1	7650	58000	42778	7,6	7631,6	215	185 (45x25)	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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			(N · m)	(Ft · lbf)			TW	KEY							
SB-V85	8:1	5150	40000	29502	7,6	5263,2	190	170 (40x22)	F-60 F-48 (OPTION)						
SB-V85W															
SB-V85-1S					36,9	1085,2									
SB-V85W-1S	40:1														
					7,4	5425,9									
SB-V85-1ST					36,9	1085,2									
	200:1				175,1	228,5									
SB-V85-1S2B															
SB-V85-1SD					184,3	217									
SB-V85W-1SD	200:1														
					36,9	1085,2									
SB-V85-1SDT					184,3	217									
	48:1														
SB-V85-2B					43,3	923,4									
SB-V85W-2B															
SB-V85H	8:1	9100	74000	54579	7,6	9736,8	225	195 (45x25)	F-60 F-48 (OPTION)						
SB-V85HW															
SB-V85H-1S					36,9	2007,6									
SB-V85HW-1S	40:1														
					7,4	10038									
SB-V85H-1ST					36,9	2007,6									
	200:1				184,3	401,5									
SB-V85H-1SD															
SB-V85HW-1SD															
	P-40:1				36,9	2007,6									
SB-V85H-1SDT					184,3	401,5									
SB-V85H-2B	48:1				43,3	1708,2									
SB-V85HW-2B															
SB-V9	8:1	5450	55000	40566	7,6	7236,8	200	180 (45x25)	F-60 F-48 (OPTION)						
SB-V9W															
SB-V9-1S					36,9	1492,1									
SB-V9W-1S	40:1														
					7,4	7460,7									
SB-V9-1ST					36,9	1492,1									
	200:1				175,1	314,1									
SB-V9-1S2B															
SB-V9-1SD					184,3	298,4									
SB-V9W-1SD	200:1														
					36,9	1492,1									
SB-V9-1SDT					184,3	298,4									
	S-200:1														
SB-V9-2B					46,9	1172									
SB-V9W-2B															
SB-V9H	8:1	9400	104000	76706	7,6	13684,2	240	215 (50x28)	(F-80) F-60 (OPTION)						
SB-V9HW															
SB-V9H-1S					36,9	2821,5									
SB-V9HW-1S	40:1														
					7,4	14107,4									
SB-V9H-1ST					36,9	2821,5									
	200:1				184,3	564,3									
SB-V9H-1SD															
SB-V9HW-1SD															
	P-40:1				36,9	2821,5									
SB-V9H-1SDT					184,3	564,3									
SB-V9H-2B	52,43:1				46,9	2216,1									
SB-V9HW-2B															
Remark	• Ratio & Base specification to be changeable.														
	• Max Output Torque includes safety factor.														
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SAMBO

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	1080	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	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	1710	4500	3319	12	376,3	80	70 (20x12)	F-30 F-25 (OPTION)
SB-SR300H-2B	32:1				26,5	169,8			
SB-SR300H-1ST	P-13:1				11	409			
	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	2100	7000	5163	12,0	585,3	85	72 (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	98	82 (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	2450	9800	7228	12,9	760,9	95	85 (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			
	S-42:1				35,5	275,7			
SB-SR500	15:1	510	7800	5753	13,8	565,2	110	95 (28x16)	F-35 F-30 (OPTION)
SB-SR500-2B	60:1				49,7	157			
SB-SR500-1ST	P-15:1				12,7	614,4			
	S-45:1				38,1	204,8			
Remark	• Ratio & Base specification to be changeable.								
	• Max Output Torque includes safety factor.								
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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	2900	15000	11063	13,8	1087	110	95 (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-SR550	15:1	1500	10400	7671	13,8	753,6	120	105 (28x16)	F-35 F-30, F-25 (OPTION)
SB-SR550-2B	60:1				49,7	209,3			
SB-SR550-1ST	P-15:1				12,7	819,2			
	S-52,5:1				44,4	234,0			
SB-SR550H	15:1	3400	19000	14014	13,8	1376,8	120	105 (28x16)	F-40 F-35, F-30 (OPTION)
SB-SR550H-2B	60:1				49,7	382,4			
SB-SR550H-1ST	P-15:1				12,7	1496,5			
	S-52,5:1				44,4	427,6			
SB-SR600	16:1	2310	13000	9588	14,7	883,2	130	115 (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			
SB-SR600H	16:1	3500	23000	16964	14,7	1562,5	130	115 (32x18)	F-40 F-35, F-30 (OPTION)
SB-SR600H-2B	64:1				53	434			
SB-SR600H-1ST	P-16:1				13,5	1698,4			
	S-64:1				54,2	424,6			
SB-SR700	17:1	2500	17600	12981	15,6	1125,3	150	130 (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	4700	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-SR750	17:1	3450	21000	15489	15,6	1342,7	160	140 (36x20)	F-48
SB-SR750-2B	93,5:1				77,4	271,3			
SB-SR750-1ST	P-17:1				14,4	1459,5			
	S-85:1				71,9	291,9			
SB-SR750H	17:1	5000	46000	33928	15,6	2941,2	160	140 (36x20)	F-48
SB-SR750H-2B	93,5:1				77,4	594,2			
SB-SR750H-1ST	P-17:1				14,4	3196,9			
	S-85:1				71,9	639,4			
SB-SR800	17:1	4100	32000	23602	15,6	2046	180	160 (40x22)	F-48
SB-SR800-2B	93,5:1				77,4	413,3			
SB-SR800-1ST	P-17:1				14,4	2224			
	S-85:1				71,9	444,8			
SB-SR800H	17:1	5200	58000	42778	15,6	3708,4	170	150 (40x22)	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			

Remark

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• Max Output Torque includes safety factor.

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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						32						
SBWG-BFMT												
SBWG-BFDC	32 :1	320	236	12,0	29,4	7,25						
SBWG-BFDCM												
SBWG-0	36:1	780	575	13,4	58,1	9	28 (8x7)	F-10 F-07 (OPTION)				
SBWG-0TN												
SBWG-0MT												
SBWG-0DC	36 :1	680	502	14,0	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						40						
SBWG-00MT									26,0	46,2	20	
SBWG-00-1S	80											
SBWG-00TN-1S				80								
SBWG-00MT-1S	P-40:1			14,1	85,0	10						
SBWG-00-1ST				S-80:1	26,0	46,2			20			
SBWG-00-1SD	160 :1			47,8	25,1	40						
SBWG-00TN-1SD						160						
SBWG-00MT-1SD												
SBWG-00-1SDT	P-80:1			26,0	46,2	20						
SBWG-00-1SDT	S-160:1			47,8	25,1	40						
SBWG-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		22,8	43,1			16,6						
SBWG-00DC-1S												
SBWG-00DCM-1S	67 :1											
SBWG-00DC-2SD	266 :1	77,0	12,7			66,5						
SBWG-00DCM-2SD												
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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-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						88											
SBWG-01MT-1S																	
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						176											
SBWG-01MT-1SD						22											
SBWG-01-1SDT	P-88:1			27,8	71,8	44											
	S-176:1			51,2	39,0	88											
SBWG-01-2SD	352 :1			94,3	21,2	44											
SBWG-01-1S2B	176 :1			52,9	37,8	88											
SBWG-01-1SD2B	352 :1			97,3	20,5	22											
SBWG-01-2B	88 :1			28,8	69,6	44											
SBWG-01-2BD	176 :1			54,6	36,6	396											
SBWG-01-3W	1584 :1			203,0	9,9	396											
SBWG-01-3W2B	1584 :1			188,8	10,6	10,8											
SBWG-01DC	43 :1	1600	1180	15,0	106,8	18,8											
SBWG-01DCM				26,1	61,2	74,5											
SBWG-01DC-1S						87,9											
SBWG-01DCM-1S	75 :1			87,9	18,2	74,5											
SBWG-01DC-2SD																	
SBWG-01DCM-2SD	298:1																
SBWG-02	48 :1	2800	2065	15,9	176,1	12	60 (18x11)	F-16 F-14, F-12 (OPTION)									
SBWG-02TN						48											
SBWG-02MT						30,4											
SBWG-02-1S	121,6 :1			37,1	75,6	121,6											
SBWG-02TN-1S						12											
SBWG-02TM-1S						30,4											
SBWG-02-1ST	P-48:1			15,9	176,1	77											
	S-121,6:1			37,1	75,6	308,1											
SBWG-02-1SD	308,1 :1			86,4	32,4	30,4											
SBWG-02TN-1SD						77											
SBWG-02MT-1SD						154											
SBWG-02-1SDT	P-121,6:1			37,1	75,6	60,8											
	S-308,1:1			86,4	32,4	154											
SBWG-02-2SD	616,1 :1			158,9	17,6	30											
SBWG-02-1S2B	243,2 :1			70,4	39,8	60											
SBWG-02-1SD2B	616,1 :1			164,1	17,1	480											
SBWG-02-2B	120 :1			37,8	74,1	60											
SBWG-02-2BD	240 :1			71,7	39,0	480											
SBWG-02-3W	1920 :1			224,4	12,5	480											
SBWG-02-3W2B	1920 :1			208,7	13,4	11,5											
SBWG-02DC	46 :1	2500	1844	15,9	157,4	26,8											
SBWG-02DCM				34,0	73,5												
SBWG-02DC-1S					107 :1												
SBWG-02DCM-1S	107 :1			115,4	21,7	107,3											
SBWG-02DC-2SD																	
SBWG-02DCM-2SD	429 :1																
Remark	• Ratio & Base specification to be changeable.																
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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-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						131,7		
SBWG-03MT-1S								
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						333,7		
SBWG-03MT-1SD								
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		
SBWG-35TN								
SBWG-35MT						52		
SBWG-35-1S	131,7:1			40,6	150,4	32,9		
SBWG-35TN-1S						131,7		
SBWG-35MT-1S								
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						333,7		
SBWG-35MT-1SD								
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	2288:1			263,3	23,2	572		
SBWG-35-3W2B	2288:1			244,9	24,9	572		
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								
Remark	• Ratio & Base specification to be changeable. • Max Output Torque includes safety factor. • If any request requirement, please contact us any time.							

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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-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						168		
SBWG-04MT-1S								
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						504		
SBWG-04MT-1SD								
SBWG-04-1SDT	P-168:1			50,4	206,5	42		
	S-504:1			139,0	74,8	126		
SBWG-04-2SD	1275,8 :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	2588 :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						239,5		
SBWG-04DCM-2SD	958 :1			282,5	34,0	239,5		
SBWG-05	60:1	15900	11727	19,6	813,1	15	115 (32x18)	F-30 F-25 (OPTION)
SBWG-05TN						60		
SBWG-05MT						45		
SBWG-05-1S	180:1			54,0	294,6	180		
SBWG-05TN-1S						15		
SBWG-05MT-1S						45		
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						540		
SBWG-05MT-1SD								
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						256,6		
SBWG-05DCM-2SD	1026:1			297,9	48,3	256,6		
Remark	• Ratio & Base specification to be changeable. • Max Output Torque includes safety factor. • If any request requirement, please contact us any time.							

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TECHNICAL DATA

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-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						186		
SBWG-55MT-1S								
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						558		
SBWG-55MT-1SD								
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						256		
SBWG-06MT-1S								
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						1024		
SBWG-06MT-1SD								
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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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-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						272						
SBWG-07MT-1S												
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						1088						
SBWG-07MT-1SD												
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						330						
SBWG-75MT-1S												
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						1650						
SBWG-75MT-1SD												
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	1320:1			403,3	202,1	330						
SBWG-75-1SD2B	6600:1			1855,3	43,9	1650						
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												
Remark	• Ratio & Base specification to be changeable.											
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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-08	66:1	121000	89245	24,3	4978,0	16,5	250 (56x32)	F-48 F-40 (OPTION)		
SBWG-08TN						66				
SBWG-08MT						82,5				
SBWG-08-1S	330:1			111,8	1082,2	330				
SBWG-08TN-1S						16,5				
SBWG-08MT-1S						82,5				
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						1650				
SBWG-08MT-1SD						82,5				
SBWG-08-1SDT	P-330:1			111,8	1082,2	412,5				
	S-1650:1			514,3	235,3	1650				
SBWG-08-2SD	6600:1			1892,8	63,9	330				
SBWG-08-1S2B	1320:1			424,9	284,8	1650				
SBWG-08-1SD2B	6600:1			1954,5	61,9	90,8				
SBWG-08-2B	363:1			127,0	952,7	317,6				
SBWG-08-2BD	1270,5:1			422,3	286,5	990				
SBWG-08-3W	3960:1			475,3	254,6	1485				
SBWG-08-3W2B	5940:1			663,1	182,5					
SBWG-08DC	65:1	108900		26,4	4120,7	16,3				
SBWG-08DCM	290:1			108,6	1002,8	72,6				
SBWG-08DC-1S										
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						66				
SBWG-09MT						82,5				
SBWG-09-1S	330:1			119,2	1615,1	330				
SBWG-09TN-1S						16,5				
SBWG-09MT-1S						82,5				
SBWG-09-1ST	P-66:1			25,9	7429,6	412,5				
	S-330:1			119,2	1615,1	1650				
SBWG-09-1SD	1650:1			548,3	351,1	82,5				
SBWG-09TN-1SD						412,5				
SBWG-09MT-1SD						1650				
SBWG-09-1SDT	P-330:1			119,2	1615,1	412,5				
	S-1650:1			548,3	351,1	1650				
SBWG-09-2SD	6600:1			2017,6	95,4	330				
SBWG-09-1S2B	1320:1			452,9	425,0	1650				
SBWG-09-1SD2B	6600:1			2083,4	92,4	99				
SBWG-09-2B	396:1			147,7	1303,4	396				
SBWG-09-2BD	1584:1			561,2	343,0	1023				
SBWG-09-3W	4092:1			538,9	357,2	1534,5				
SBWG-09-3W2B	6138:1			751,8	256,0					
SBWG-09DC	64:1	178000	131286	27,0	6604,5	16				
SBWG-09DCM	286:1			110,8	1607,2	71,5				
SBWG-09DC-1S										
SBWG-09DCM-1S										
SBWG-09DC-2SD	4574:1			1499,9	118,7	1143,5				
SBWG-09DCM-2SD										
Remark	• Ratio & Base specification to be changeable.									
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		(N · m)	(Ft · lbf)									
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						320						
SBWG-10MT-1S												
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						1600						
SBWG-10MT-1SD												
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	1600:1			531,1	517,8	400						
SBWG-10-1SD2B	8000:1			2443,1	112,6	2000						
SBWG-10-2B	416:1			150,1	1832,1	104						
SBWG-10-2BD	2080:1			713,0	385,7	520						
SBWG-10-3W	4096:1			489,9	561,3	1024						
SBWG-10-3W2B	8192:1			911,2	301,8	2048						
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-11	68:1	442000	326002	26,2	16882,0	17	360 (80x40)	F-60				
SBWG-11TN						68						
SBWG-11MT						85						
SBWG-11-1S	340:1			120,4	3670,0	340						
SBWG-11TN-1S						17						
SBWG-11MT-1S						85						
SBWG-11-1ST	P-68:1			26,2	16882,0	85						
	S-340:1			120,4	3670,0	425						
SBWG-11-1SD	1700:1			554,0	797,8	1700						
SBWG-11TN-1SD												
SBWG-11MT-1SD												
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	2210:1			767,9	575,6	552,5						
SBWG-11-3W	4624:1			575,9	767,5	1156						
SBWG-11-3W2B	9248:1			1071,2	412,6	2312						
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		(N · m)	(Ft · lbf)									
SBWG-12	70 :1	610000	449913	27,1	22546,0	17,5	400 (90x45)	F-80 F-60 (OPTION)				
SBWG-12TN						70						
SBWG-12MT						87,5						
SBWG-12-1S	350 :1			124,5	4901,3	350						
SBWG-12TN-1S				27,1	22546,0	17,5						
SBWG-12MT-1S				124,5	4901,3	87,5						
SBWG-12-1ST	P-70:1			437,5	1065,5	1750						
SBWG-12-1SD	S-350:1											
SBWG-12TN-1SD	1750 :1			124,5	4901,3	87,5						
SBWG-12MT-1SD				572,5	1065,5	437,5						
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			650,3	938,0	481,3						
SBWG-12-1SD2B	9625 :1			2991,3	203,9	2406,3						
SBWG-12-2B	490 :1			179,9	3390,4	122,5						
SBWG-12-2BD	2695 :1			940,1	648,9	673,8						
SBWG-12-3W	4620 :1			624,3	977,2	1155						
SBWG-12-3W2B	11550 :1			1451,4	420,3	2887,5						
SBWG-13	72 :1			970000	715435	28,0			34640,7	18	450 (100x50)	F-80 F-60 (OPTION)
SBWG-13TN		72										
SBWG-13MT		90										
SBWG-13-1S	360 :1	128,8	7530,6			360						
SBWG-13TN-1S		28,0	34640,7			18						
SBWG-13MT-1S		128,8	7530,6			90						
SBWG-13-1ST	P-72:1	450	1637,1			1800						
SBWG-13-1SD	S-360:1											
SBWG-13TN-1SD	1800 :1	592,5	1637,1			90						
SBWG-13MT-1SD		128,8	7530,6			450						
SBWG-13-1SDT	P-360:1	2725,6	355,9			2250						
	S-1800:1	734,2	1321,2			540						
SBWG-13-2SD	9000 :1	3377,3	287,2			2700						
SBWG-13-1S2B	2160 :1	201,0	4826,1			136						
SBWG-13-1SD2B	10800 :1	1145,6	846,7			816						
SBWG-13-2B	544 :1	680,6	1425,1			1188						
SBWG-13-2BD	3264 :1	1740,7	557,2			3267						
SBWG-13-3W	4752 :1											
SBWG-13-3W2B	13068 :1											
Remark	• Ratio & Base specification to be changeable.											
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Remark

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