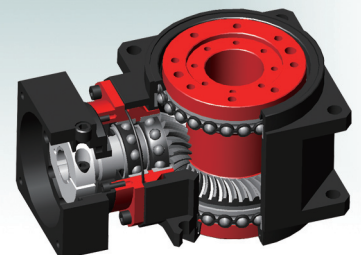
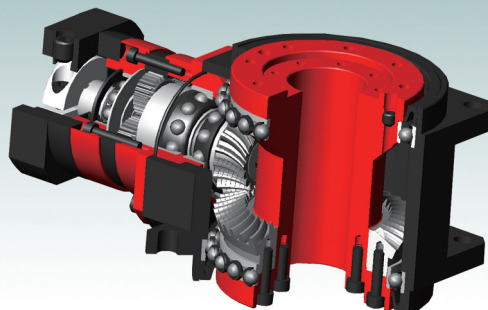
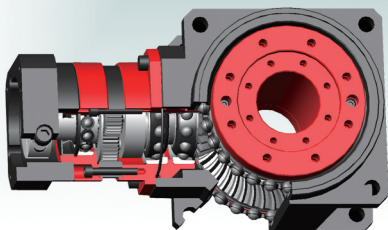
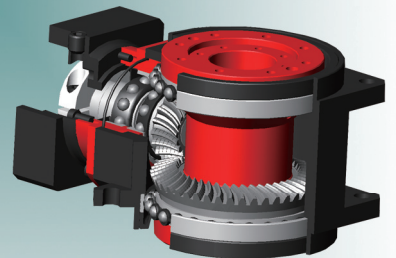
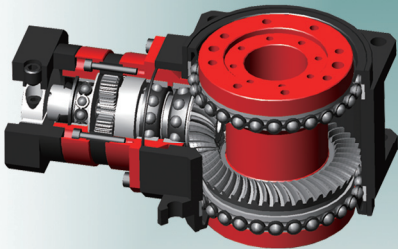
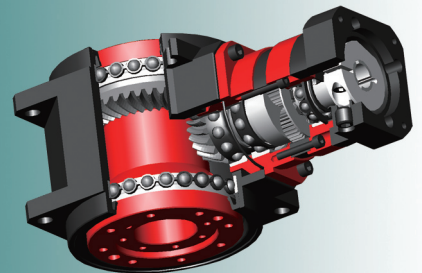
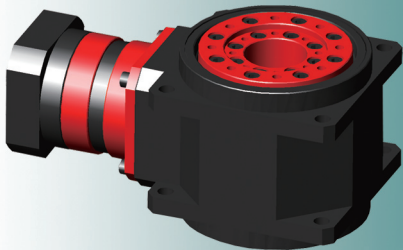
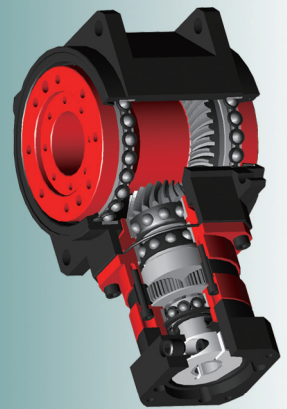
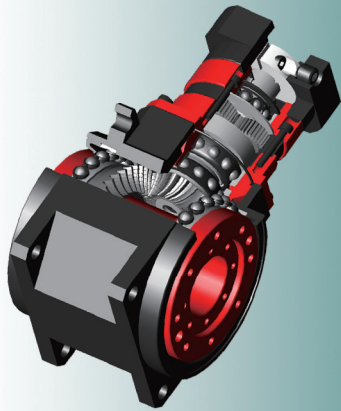




Space Saver SS series

Space Performer

*Space Saving Right angle
Universal Installation
Full Protection IP65
High Tilting Rigidity
Extremely Silent
High Dynamics
Hollow Hole
Dual output
Symmetric shape*



SS 规格一览表 Space-Saver series Ratings at a glance

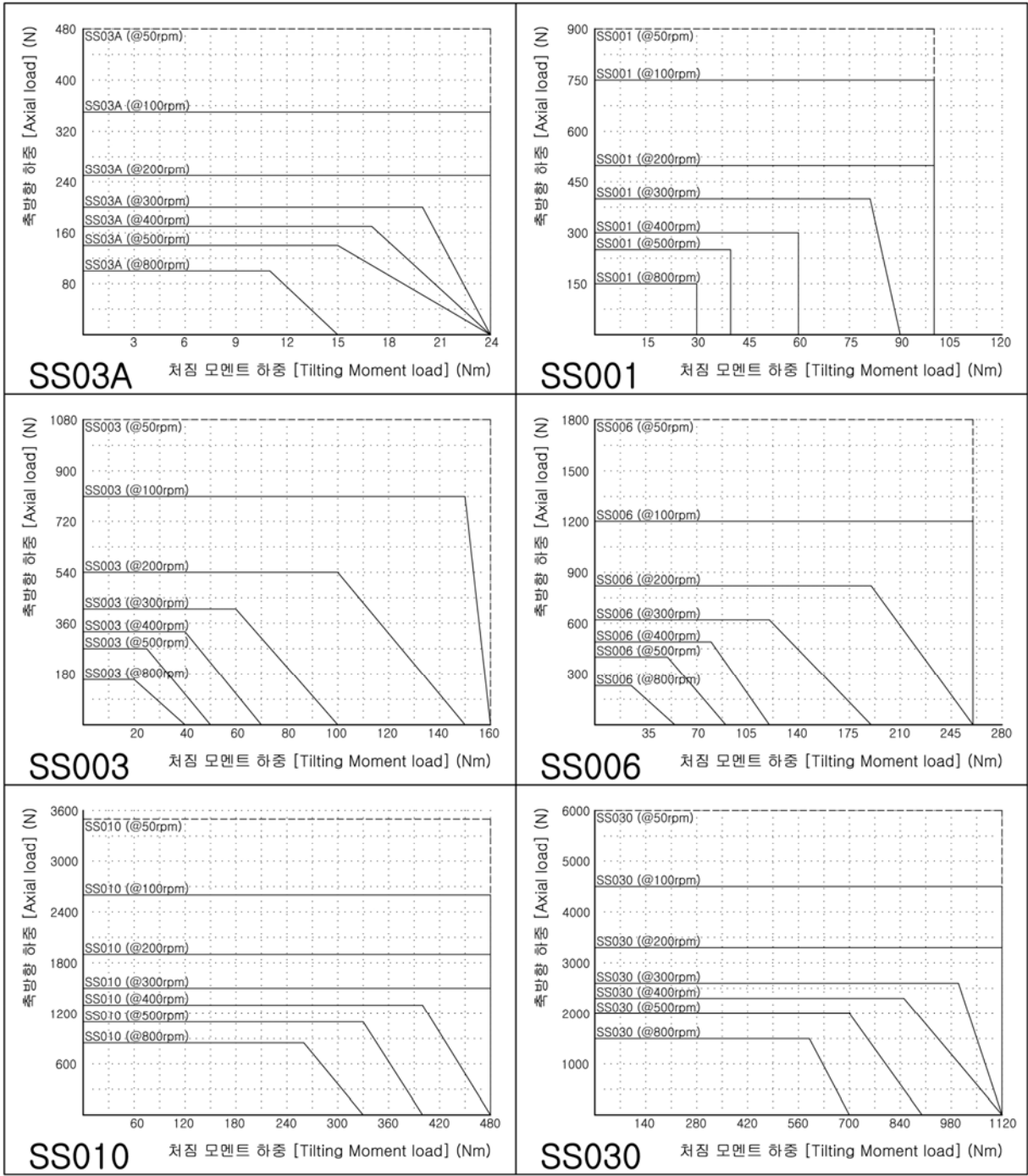
规格 Specifications	符号 Symbol	单位 Unit	速比 Ratio	型号 Model					
额定输出扭矩 Rated output torque 最大输出扭矩 当ED>60%或负载运行时间>20分钟 Maximum output torque when ED>60%, or load cycle duration > 20 minutes	T _{2n}	Nm	2.5	2	5	10	22	35	112
			10 ~ 25	3	9	23	37	60	190
			40 ~ 250	4	12	35	60	96	300
最大加/减速扭矩 ¹⁾ Maximum Acceleration /Deceleration. torque ¹⁾	T _{2B}	Nm	2.5	4	10	20	44	70	224
			10 ~ 25	6	18	46	74	120	380
			40 ~ 250	8	24	70	120	192	600
峰值输出扭矩（紧急刹车） ²⁾ Peak torque (Emergency stop)²⁾	T _{2not}	Nm	2.5	6	15	30	66	105	336
			10 ~ 25	9	27	69	111	180	570
			40 ~ 250	12	36	105	180	288	900
额定(连续的)输入转速 Rated input speed	n _{1n}	rpm		2000	2000	2000	2000	2000	2000
最高输入转速 Maximum input speed	n _{1max}	rpm	2.5	3000	3000	3000	2000	2000	2000
			10 ~ 25	4000	4000	4000	4000	3000	3000
			40 ~ 250	5000	5000	5000	5000	4000	4000
旋转空回 标准级（精密级）【特选级】{高精级} Torsional play Standard (Reduced) [Selected] {Advanced}	B	arcmin	2.5	5	5	4	4	3	3
			10 ~ 25	8(6)[5]{3}	8(6)[5]{3}	7(5)[4]{2}	7(5)[4]{2}	6(4)[3]{2}	6(4)[3]{2}
			40 ~ 250	10(8)[6]{3}	10(8)[6]{3}	9(7)[5]{3}	9(7)[5]{3}	8(6)[4]{2}	8(6)[4]{2}
抗扭转刚性 Torsional stiffness	C _t	Nm/arcmin		2	3.5	7	17	35	100
输入端转动惯量 Mass Moment of Inertia 随应用电机输入轴径而异 Depends on applied motor shaft diameter	J _i	kg.cm ²	2.5	0.12	0.12	0.47	0.69	2.56	3.36
			10	0.06	0.06	0.32	0.32	1.44	2.97
			12.5	0.06	0.06	0.31	0.31	1.36	2.68
			17.5	0.06	0.06	0.3	0.3	1.3	2.48
			25	0.06	0.06	0.3	0.3	1.27	2.39
			40	0.06	0.06	0.06	0.06	0.32	1.44
			50, 62.5	0.06	0.06	0.06	0.06	0.31	1.36
			70, 87.5	0.06	0.06	0.06	0.06	0.3	1.3
			100	0.06	0.06	0.06	0.06	0.3	1.27
			125	0.06	0.06	0.06	0.06	0.3	1.27
			175	0.06	0.06	0.06	0.06	0.3	1.27
			250	0.06	0.06	0.06	0.06	0.3	1.27
抗倾覆强度 Tilting rigidity	M _R	Nm/arcmin		12	50	80	130	240	560

规格 Specifications	符号 Symbol	单位 Unit	输出转速 Output (rpm)	型号 Model					
				SS03A	SS001	SS003	SS006	SS010	SS030
倾覆力矩 Tilting Moment Load 不带径向负载时的最高值。请参考主轴承载图。 Maximum value without axial load. Refer main bearing load diagram.	M _T	Nm	800	15	30	40	55	330	700
			500	24	40	50	90	400	900
			400	24	60	70	130	480	1120
			300	24	90	100	190	480	1120
			200	24	100	150	260	480	1120
			100	24	100	160	260	480	1120
轴向负载 Axial load 从输出轴心计算起的最高值，不带倾覆力矩计算下。请参考主轴承载图。 Maximum value at the center of output rotation, without tilting moment load. Refer main bearing load diagram.	F _A	N	800	100	150	160	230	850	1500
			500	140	250	270	400	1100	2000
			400	170	300	330	490	1300	2300
			300	200	400	410	620	1500	2600
			200	250	500	540	820	1900	3300
			100	350	750	810	1200	2600	4500
径向负载 ⁶⁾ Radial load 以径向负载距离为准的最高值，不带轴向负载计算下。请参考个别型号尺寸。 Maximum value at the radial load distance, without axial load. Refer each series dimensions.	F _R	N	800	450	650	750	950	4000	6200
			500	750	850	950	1500	5400	9300
			400	750	1330	1340	2200	6500	11000
			300	750	2000	1940	3300	6500	11000
径向负载距离 Radial load distance	r _d	mm		31.5	44.5	51.5	57.5	73.5	96.5
重量 AI (Steel) Weight : AI(Steel) 标准电机法兰参考值 Reference value with standard motor flange	m	kg	i = 2.5	1 (1.2)	2 (2.7)	3.5 (5)	5.5 (7.5)	11 (15)	23 (33)
			i=10~25	1.2 (1.4)	2.3 (3)	3.9 (5.4)	6 (8)	11.5 (16)	26 (36)
			i=40~250	1.4 (1.6)	2.5 (3.2)	4.1 (5.6)	6.2 (8.2)	12 (16.5)	27 (37)
运作噪音 Operating noise @n_{1n}=2000rpm	O _n	dB	i = 2.5	< 70	< 72	< 75	< 78	< 78	< 80
运作噪音 Operating noise @n_{1n}=3000rpm			i=10~250	< 68	< 68	< 66	< 66	< 68	< 70
额定负载时工作效率 Efficiency with rated load]				> 90	> 90	> 92	> 92	> 91	> 91
使用寿命 Lifetime	L ₁₀	hr		> 10000					
润滑设计 Lubrication	永久性润滑，封闭式系统 Lifetime lubrication, Closed system								
表面防护 Surface protection	阳极化处理，输入端除外 Anodized aluminum, except input								
安装定位 Installation position	任意方向，自由定位 Any, include variable orientation								
使用温度 Operating temperature	-10 °C ~ +90 °C （可特选 -30 °C ~+90 °C On request）								
输出转向 Output direction of rotation	与输入端一致/相反(双输出) The same/opposite as input (Dual output)								
防护规格 Degree of protection	IP65								

SS 系列是为间歇性运作而设计的。如果想要持续运作，请与我们联系。SS series are designed for intermittent periodic duty. Please contact SEJINIGB for continuous operation.

- 1) 在最高每小时1000运转次数时，加/减速度占运转周期比例小于5%，同时发生在0.3秒以内。At a maximum 1000 cycle per hour, percentage of acceleration n & deceleration time in one cycle less than 5%, and duration of the impulse less than 0.3 seconds.
- 2) 在SS系列的使用寿命中发生紧急停止次数不多于1000次。Max 1000 times during SS series lifetime.

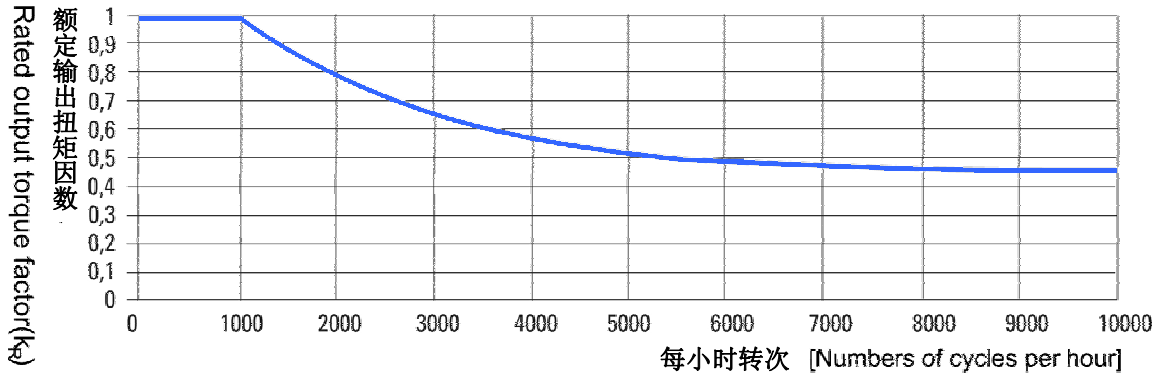
SS 主轴承负载图 SS series Main Bearing Load diagram



当轴向载荷与倾覆力矩同时发生在输出法兰时，请参考 **SS** 系列主轴承负载图表。Please refer **SS** series main bearing load diagram, when axial and tilting loads are applied together on SS series output flange.

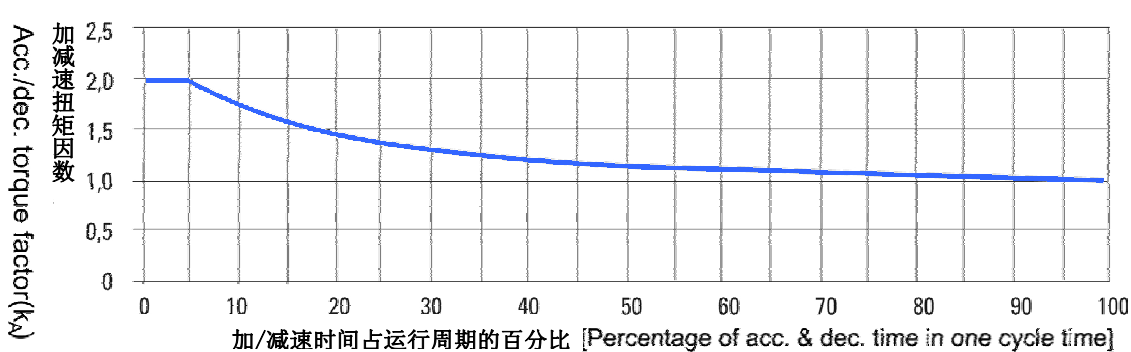
CP
XP
MM
SS
XQ

SS 加/减速扭矩因数图表 SS series Rated Output Torque Factor diagram



当每小时运转次数超过 1000 次时，请参考以上 SS 系列的额定输出扭矩因数图表，以计算设计输出扭矩。Please refer SS series rated output torque diagram for application that numbers of cycles per hour are over 1000 times.
举例：当每小时运转次数= 1800 次，根据图表所示，因数= 0.8；因此，齿轮箱为要保持正常使用寿命的前提下所依据的设计输出扭矩= 额定输出扭矩 x 0.8。 Example: If numbers of cycles per hour are 1800 times, then only approximately 0.8 times of each SS model rated output torque should be applied to satisfy lifetime.

SS 加/减速扭矩因数图表 SS series Acceleration/Deceleration Torque Factor diagram



以上图表显示个别 SS 系列的最高加/减速扭矩的计算因数。条件：每小时低于1000 运转次数，每次运转的加/减速占时比例不大于总耗时的5%，并且不超过0.3 秒。 It shows max. acceleration/deceleration torque as a numbers of times of each SS model rated output torque, under the condition of max. 1000 cycle per hour, percentage of acceleration & deceleration time in one cycle less than 5%, and duration of the impulse less than 0.3 seconds.
举例：当每小时运转次数=1800次，加速和减速占时各为0.1 秒，（0.1<0.3 秒，3600/1800=2 秒，因此，加/减速在每次运转的占时比例为0.1+0.1秒)/2秒= 10%，因此，按照图表所得加/减速扭矩因数 = 1.75；此时考虑综合因数，结合到1800转时的额定输出扭矩因数 = 0.8 x 1.75= 1.4，因此所得最高加/减速扭矩 = 额定输出扭矩 x 1.4。假设加/减速耗时大于0.3 秒，那么加/减速扭矩必须小于额定输出扭矩。
Example: If numbers of cycles per hour are 1800times, acceleration time 0.1 seconds, deceleration time 0.1 seconds (0.1<0.3, also 3600/1800=2seconds, therefore, percentage of acceleration & deceleration time in one cycle time is (0.1+0.1)/2=10%), then max. acceleration/deceleration torque is 1.4 times (0.8x1.75=1.4) of each SS model rated output torque. If acceleration & deceleration time is over 0.3 seconds, then acceleration/deceleration torque should not exceed its rated output torque.

SS 订购须知 Space - Saver Ordering Information

SS (⁺, ⁺⁺, ²)

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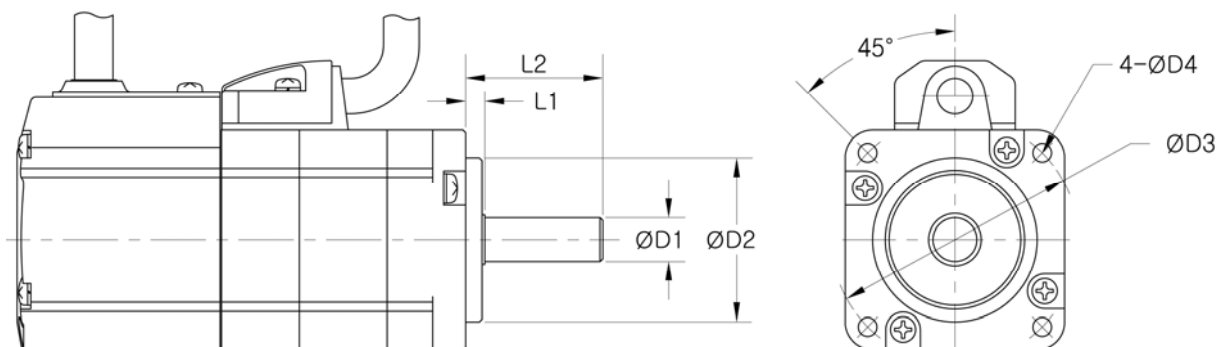
④

⑤

- ① 系列 Model name: SS (标准级/Standard), SS⁺ (精密级/Reduced), SS⁺⁺ (特选级/Selected), SS² (高精度级/Advanced)
- ② 型号 Model Number:
- ③ 速比 Reduction ratio:

SS03A	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250	SS006	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250
SS001	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250	SS010	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250
SS003	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250	SS030	2.5 10 12.5 17.5 25 40 50 62.5 70 87.5 100 125 175 250

- ④ 输出法兰材质 Output flange material : A - 铝合金(标准) Aluminum alloy (Standard), S - 45钢 S45C (可选 : 压缩垫片, 平键 / Optional for shrink disk, keyway etc.)
- ⑤ SS 电机代码 SS Motor code : 请看下示表格 See next table
SS 不带法兰请注明'NF'. 'NF' symbols SS series without motor flange.

SS 应用的电机代码 SS series Applied Motor Code

SS 系列 Model			尺寸Dimensions			L1 最大 (Max)	L2		D1	D2	D3	D4
速比 Ratio = 2.5	速比 Ratio = 10~250	电机代码 Motor Code					最小 Min	最大 Max				
SS03A	SS03A, SS001	A040PP				4.0	20	28	8	30	45	3.5(M3)
SS03A	SS03A, SS001	A040PM				4.0	20	28	8	30	46	4.5(M4)
{SS03A}	{SS03A, SS001}	A040PF				7.0	22	28	8	30	46	4.5(M4)
{SS03A}, SS001	SS001, SS003	A060PQ				5.0	20	28	8	50	70	4.5(M4)
{SS03A}, SS001	SS001, SS003	A060PU				5.0	20	28	8	50	70	5.5(M5)
{SS03A}, SS001	SS001, SS003	A060P2				5.0	20	30	11	50	70	4.5(M4)
{SS03A}, SS001	SS001, SS003	A060PP				5.0	20	30	14	50	70	4.5(M4)
{SS03A}, SS001	SS001, SS003	A060PM				5.0	20	30	14	50	70	5.5(M5)
{SS003}, SS006	{SS003}, SS006	A080P2				9.0	27	30	11	70	90	5.5(M5)
{SS003}, SS006	{SS003}, SS006	A080PQ				9.0	27	30	14	70	90	5.5(M5)
{SS003}, SS006	{SS003}, SS006	A080PU				9.0	27	30	14	70	90	6.6(M6)
SS006, SS010	SS006, SS010	A080PY				9.0	30	40	16	70	90	6.6(M6)
SS006, SS010	SS006, SS010	A080PP				9.0	30	40	19	70	90	5.5(M5)
SS006, SS010	SS006, SS010	A080PM				9.0	30	40	19	70	90	6.6(M6)
{SS006}, SS010	SS010	A090PP				9.0	40	55	19	80	100	6.6(M6)
{SS006}, SS010	SS010	A100PG				9.0	30	40	16	95	115	9(M8)
{SS006}, SS010, SS030	SS010, SS030	A100PP				9.0	40	55	19	95	115	9(M8)
SS030	SS030	A100PM				9.0	40	58	24	95	115	9(M8)
SS030	SS030	A120PY				9.0	40	58	16	110	145	9(M8)
SS030	SS030	A120PS				9.0	40	58	19	110	145	9(M8)
SS030	SS030	A120PP				9.0	40	58	22	110	145	9(M8)
SS030	SS030	A130PM				9.0	40	58	24	110	145	9(M8)
SS030	SS030	A130PP				9.0	40	58	22	110	145	9(M8)
SS030	SS030	A130PY				9.0	40	58	19	110	145	9(M8)
{SS030}	{SS030}	A130PG				8(7)	50	70	22	110	145	9(M8)
{SS030}	{SS030}	A130PA				8(7)	50	70	24	110	145	9(M8)
{SS030}	{SS030}	A130PR				8(7)	50	70	28	110	145	9(M8)
{SS030}	{SS030}	A150PP				8.0	45	65	28	130	165	11(M10)
{SS030}	{SS030}	A150PL				8.0	45	65	24	130	165	11(M10)
{SS030}	-	A155PI				8.0	45	65	32	130	165	11(M10)
{SS030}	-	A180PM				8	55	80	35	114.3	200	13.5(M12)
{SS030}	-	A180PU				8	55	80	28	114.3	200	13.5(M12)
{SS030}	-	A180PP				8	55	80	22	114.3	200	13.5(M12)

 上示电机尺寸仅考虑安装所需的最小尺寸，并不代表实际所需对电机所需的扭矩范围。 Listed motor and **SS** series combinations are only consider mechanical dimensions with smallest **SS** model, not actual available torque range.

 在不同的应用下，电机与法兰尺寸可能需要安装前灵活考虑，比如：附加适配座等辅助件。 {} 表示可选电机法兰尺寸。 Installable motor size may be varied by installing conditions, such as additional adaptor. {} shows optional motor flange combinations.

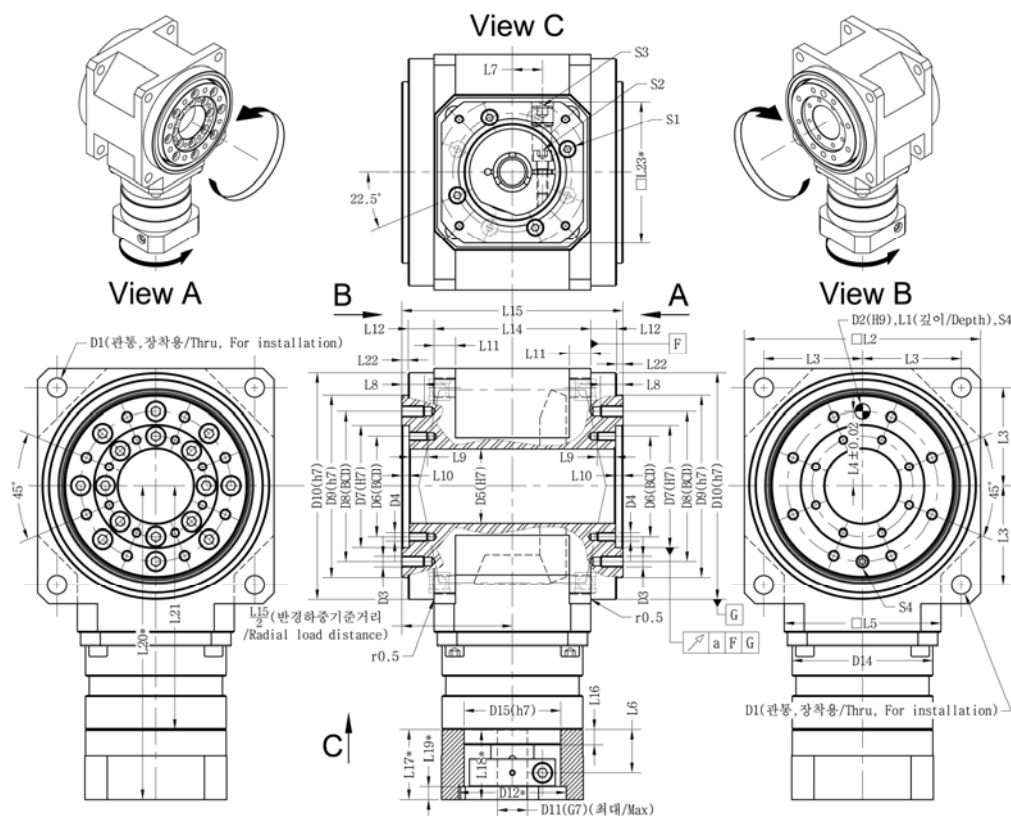
CP

XP

MM

SS

XQ



*由应用电机而定. * depend on applied motor.

SS (減速比 $i=10\sim25$) 尺寸表 **SS (Ratio $i=10\sim25$) Dimensions (mm)**

符号Symbol 尺寸Size	SS03A		SS001		SS003		SS006		SS010		SS030	
a	0.03		0.03		0.03		0.03		0.03		0.03	
D1	4X4.5		4X6.6		4X9		4X9		4X11		4X14	
D2 (H9)	4		5		7		7		9		9	
D3	8XM3		8XM4		8XM5		8XM6		8XM8		8XM10	
D4	8XM3 (B面/side)		8XM3		8XM4		8XM5		8XM6		8XM8	
D5 (H7)	14		23		35		44		55		72	
D6 (BCD)	20		33		47		57		72		94	
D7 (H7)	26		42		57		69		87		115	
D8 (BCD)	34		52		70		83		104		140	
D9 (h7)	42		63		85		100		125		170	
D10 (h7)	60		86		106		126		158		215	
D11 (G7) (最大/Max)	11	14	11	14	14	19	14	19	19	22	24(28)	28
D12 *	30.2	50.2	30.2	50.2	50.2	70.2	50.2	70.2	70.2	95.2	110.2	130.2
D14	50		50		65.5		65.5		84.5		120	
D15 (h7)	37		37		45		45		61		90	
L1	4.5		5.5		7.5		7.5		9.5		9.5	
L2	62		90		110		130		164		225	
L3	27		37		46		55		67		90	
L4 ± 0.02	17		26		35		41.5		52		70	
L5	50		53		73		75		95		135	
L6	17	17	17	17	19.5	18	19.5	18	18.5	18.5	30.5	30.5
L7	11	12	11	12	14	17	14	17	19.5	19.5	22.5	22.5
L8	5.5		7.5		10		9.5		15		19	
L9	5.5 (B面/side)		5.5		8		8		11		15	
L10	3.5		3.5		3.5		3.5		6		9	
L11	6		8		10		12		15		21	
L12	3		10		12		12		16		20	
L14	51		63		73		83		107		145	
L15	63		89		103		115		147		193	
L16	4.5	5	4.5	5	7	5.25	7	5.25	5	5	6	6
L17 *	27.5	28.5	27.5	28.5	31.75	40.25	31.75	40.25	37.5	55.5	49.5	49.5
L18 * (最小/Min)	28(20)	30(20)	28(20)	30(20)	30(20)	40(30)	30(20)	40(30)	40(30)	58(50)	58(40)	58(40)
L19 *	4	5	4	5	4	14	4	14	9	10	9	9
L20 *	103	104	113	114	145.5	156	159	169.5	197	215	257	257
L21	75.5	75.5	85.5	85.5	113.75	115.75	127.25	129.25	159.5	159.5	207.5	207.5
L22	3		3		3		4		4		4	
L23 *	50	60	50	60	60	80	60	80	85	100	120	150
S1	4(8)XM3 (BCD45)		4(8)XM3 (BCD45)		4(8)XM4(BCD55.5)		4(8)XM4(BCD55.5)		4(8)XM5(BCD73)		8XM6(BCD105)	
S2	M4		M4		M5		M5		M6		M8	
S3 (Set screw)	M6		M6		M10		M10		M12		M14	
S4 (Set screw)	M3		M4		M6		M6		M8		M8	

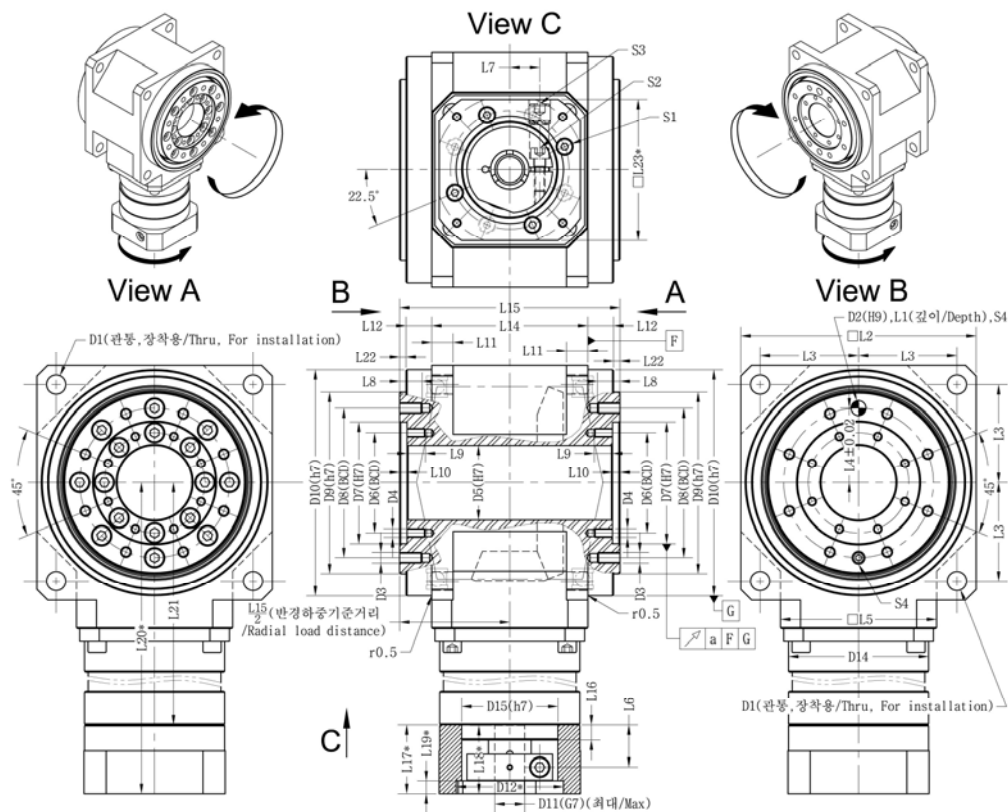
CP

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SS

XQ



*由应用电机而定 * depend on applied motor.

SS (减速比 $i=40\sim250$) 尺寸表 SS (Ratio $i=40\sim250$) Dimensions (mm)

符号Symbol 尺寸Size	SS03A		SS001		SS003		SS006		SS010		SS030	
a	0.03		0.03		0.03		0.03		0.03		0.03	
D1	4X4.5		4X6.6		4X9		4X9		4X11		4X14	
D2 (H9)	4		5		7		7		9		9	
D3	8XM3		8XM4		8XM5		8XM6		8XM8		8XM10	
D4	8XM3 (B面/side)		8XM3		8XM4		8XM5		8XM6		8XM8	
D5 (H7)	14		23		35		44		55		72	
D6 (BCD)	20		33		47		57		72		94	
D7 (H7)	26		42		57		69		87		115	
D8 (BCD)	34		52		70		83		104		140	
D9 (h7)	42		63		85		100		125		170	
D10 (h7)	60		86		106		126		158		215	
D11 (G7) (最大/Max)	11	14	11	14	11	14	11	14	14	19	19	22
D12 *	30.2	50.2	30.2	50.2	30.2	50.2	30.2	50.2	50.2	70.2	70.2	95.2
D14	50		50		65.5		65.5		84.5		120	
D15 (h7)	37		37		37		37		45		61	
L1	4.5		5.5		7.5		7.5		9.5		9.5	
L2	62		90		110		130		164		225	
L3	27		37		46		55		67		90	
L4 ± 0.02	17		26		35		41.5		52		70	
L5	50		53		73		75		95		135	
L6	17	17	17	17	17	17	17	17	19.5	18	19.5	19.5
L7	11	12	11	12	11	12	11	12	14	17	19	19
L8	5.5		7.5		10		9.5		15		19	
L9	5.5 (B面/side)		5.5		8		8		11		15	
L10	3.5		3.5		3.5		3.5		6		9	
L11	6		8		10		12		15		21	
L12	3		10		12		12		16		20	
L14	51		63		73		83		107		145	
L15	63		89		103		115		147		193	
L16	4.5	5	4.5	5	4.5	5	4.5	5	7	5.25	5	5
L17 *	27.5	28.5	27.5	28.5	27.5	28.5	27.5	28.5	31.5	40.5	37.5	55.5
L18 * (最小/Min)	28(20)	30(20)	28(20)	30(20)	28(20)	30(20)	28(20)	30(20)	30(20)	40(32)	40(32)	58(50)
L19 *	4	5	4	5	4	5	4	5	5	12	9	10
L20 *	119	120	129	130	156	157	169.5	170.5	210	221	275	293
L21	91.5	91.5	101.5	101.5	128.5	128.5	142	142	178.5	180.5	237.5	237.5
L22	3		3		3		4		4		4	
L23 *	50	60	50	60	50	60	50	60	60	85	85	100
S1	4(8)XM3 (BCD45)		4(8)XM3 (BCD45)		4(8)XM3 (BCD45)		4(8)XM3 (BCD45)		4XM4 (BCD55.5)		4(8)XM5 (BCD73)	
S2	M4		M4		M4		M4		M5		M6	
S3 (Set screw)	M6		M6		M6		M6		M10		M12	
S4 (Set screw)	M3		M4		M6		M6		M8		M8	

SS安装指导 SS series Assembly Instructions

注意 General: 遵循以下安装指导可以快速有效的把电机与齿轮箱配合得坚实，同时摆脱安装后的间隙。A torsionally rigid and backlash free connection between motor and SS can quickly and easily be achieved by using the following assembly instructions.

Note: 请仅应用带安装法兰并表面跳动精度符合 **DIN42955N**或者**DIN42955R** 标准的电机。Please only use motors with a flange face and run out accuracy class DIN 42955 N or DIN 42955 R

为避免转动系安装的中心位移问题，SS 输入端应用了‘开放式同心自动校正’设计以规避了传统中心位移问题。首先，把齿轮箱倒立置放在桌面上，电机输出轴从上往下植入齿轮箱输入联轴节内⑥，拧紧夹套⑤上的拉紧螺丝⑦，最后把将电机与齿轮箱固定⑧。

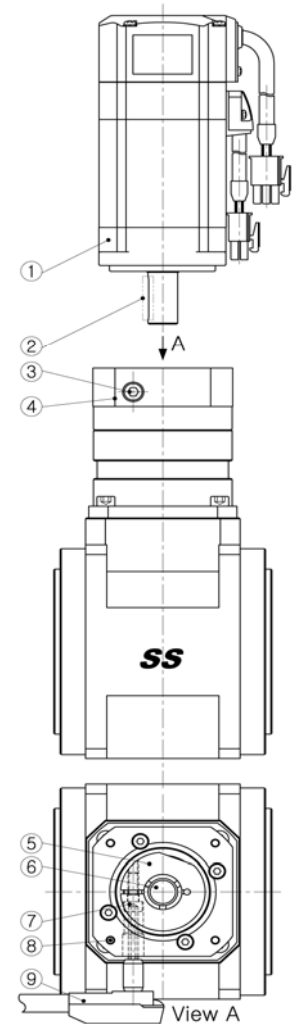
To avoid misalignment inside the power train, the standard **SS** utilizes our new “open centering” design making the laborious task of centering with the flange and pilot obsolete. Place **SS** upside down, simply insert the motor shaft into the gearbox hollow shaft ⑥, tightens the clamping bolt ⑦ on the compression coupling ⑤, and attaches the gearbox to the motor using the mounting holes.

SS 系列 齿轮箱不需要周期维护，并且属于永久性润滑型。The **SS** series are maintenance free and have lifetime lubrication.

电机安装指示 Motor Mounting Instructions :

1. 如电机上自带输出轴平键 ②，请取出弃用；在实际使用转速高于3000rpm的情况下，我方建议把电机轴径上的键槽用同等材质堵上，比如改装该平键（填平后不能突出弧面），以避免偏心震动。If the motor shaft has a key ②, remove it. For applications with motor speeds over 3000 rpm, we recommend using a half key to completely fill the key way. The key may not stand out above the height of the motor shaft.
2. 把电机法兰 ④ 里的（堵孔用）止动螺丝 ③ 取出。Remove set screw ③ on the adapter flange ④, put it aside, reserving it for later use.
3. 旋转夹套 ⑤，直到拉紧螺丝 ⑦ 的头部对准扳手让位孔 ③。Turn the compression coupling ⑤ until the head of the clamping bolt ⑦ is visible through the access hole ③.
4. 检查电机法兰与安装法兰 ④ 以确保表面干净，同时也务必检查电机输出轴 ② 和齿轮箱夹套输入端口 ⑥，确定表面没有毛刺或铁屑等阻碍物。Examine all contact surfaces on the motor flange and the adapter flange ④ to ensure they are clean and grease free. Also inspect the motor shaft and the hub to ensure they are free from damage (burrs, scoring, etc.).
5. 把齿轮箱以输入端口向上的方式平放在桌面上，确定电机输出轴键槽部分（180°）背对夹套的切缝。Place **SS** upside down (input side upward) and secure it from falling. Ensure that the key way in the motor shaft (if there is) is positioned opposite the slit (180°) in the compression coupling when assembled.
6. 如果输入端必须使用变径轴套的话，确定变径轴套的切缝与减速机夹套 ⑤ 的切缝保持在相同方向，呈直线。If a reduction bushing is used, ensure the slit in the bushing is aligned with the compression coupling ⑤ slit.
7. 如果减速机或电机过重，请考虑使用轻型起重机。把电机输出轴轻轻放入减速机输入端口 ⑥ 直至电机法兰平面与减速机法兰面相接合。切勿使劲将输出轴压入输入端口。If the **SS** is too heavy to lift manually, a suitable hoisting machine should be used. Insert the motor shaft into **SS** hollow shaft ⑥, until the motor flange naturally mates with the adapter flange over its entire surface. Do not strike the **SS** or use excessive force to ensure a good fit.
8. 把夹套螺丝 ⑦ 拉紧（关于夹套螺丝的拉紧扭矩 请参考以上螺丝拉紧扭矩表），务必使用恰当的工具，比如扭矩扳手 ⑨。Tighten the clamping bolt ⑦ to the prescribed torque (see table tightening torque) using a suitable torque wrench ⑨.
9. 接着以对角顺序的方式用螺丝将电机 ① 与减速机固定 ⑧。Now bolt **SS** and motor ① together using the mounting holes ⑧ in the adapter flange. The bolts must be diagonally transferred and uniformly tightened.
10. 最后把（堵孔用）止动螺丝 ③ （看步骤-2）拧入齿轮箱法兰 ④。Tightening access hole set screw ③ into adapter flange ④.

螺丝拉紧扭矩表 ⑦	
Tightening torque for clamping bolt ⑦	
螺丝规格Clamping Screw (DIN 912)	拉紧扭矩 Tightening torque
M4	4.5Nm
M5	9Nm
M6	16Nm
M8	39Nm

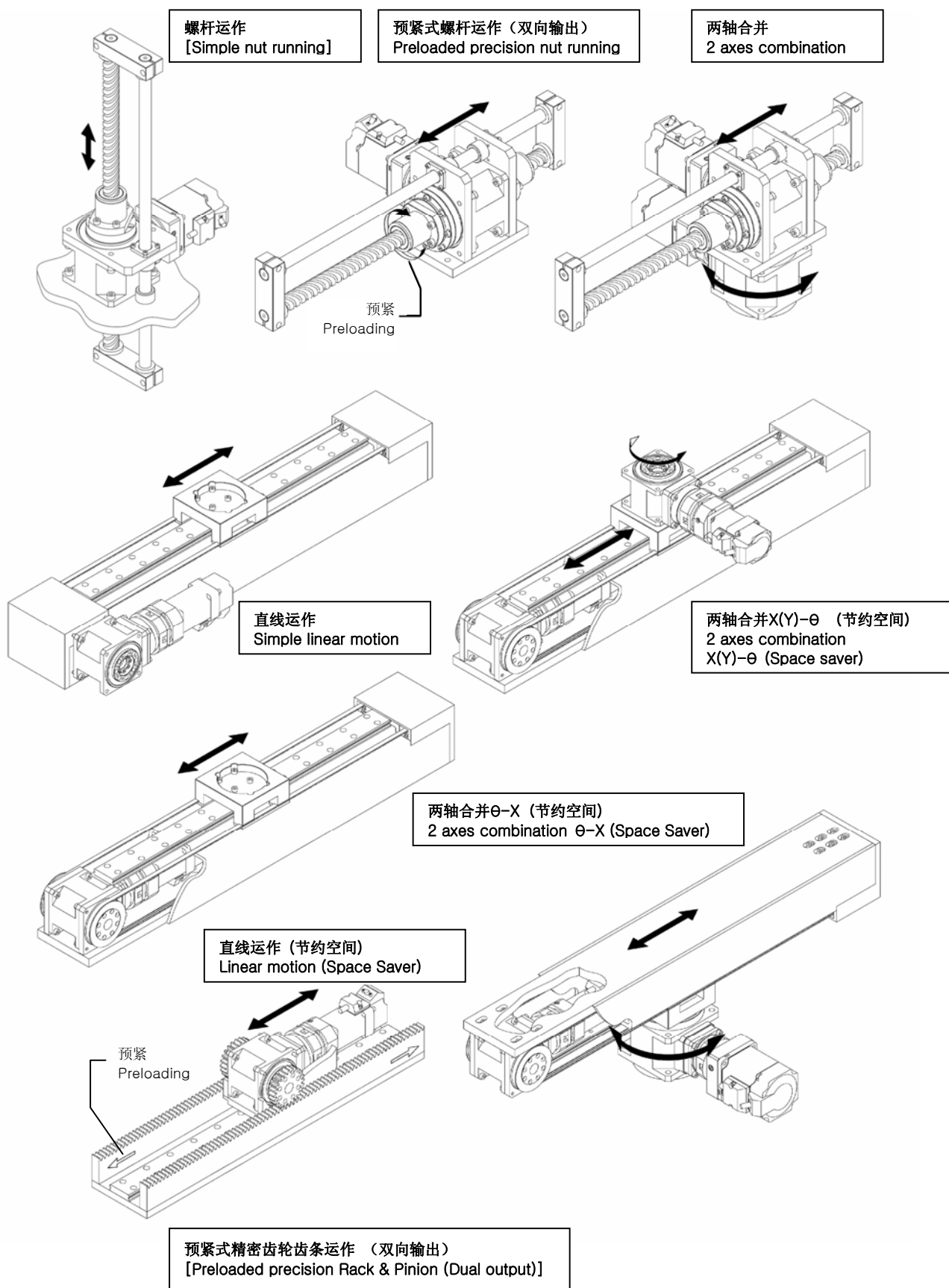


CP
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XQ

Note 注： 违反或忽视以上安装步骤可能会给电机或齿轮箱造成损坏，并且将会违反质保条件。

Failure to follow assembly instructions may lead to gearbox and/or motor damage and will void any warranty either explicit or implied

SS 安装与应用示例 SS Installation & Application examples



CP

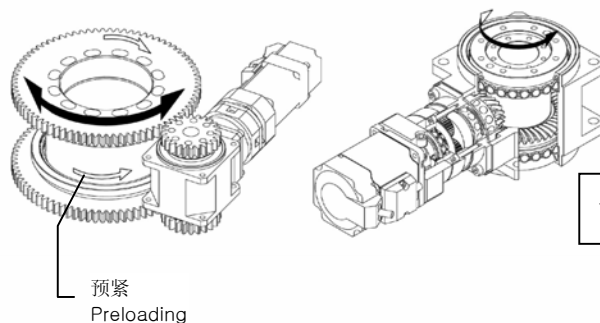
XP

MM

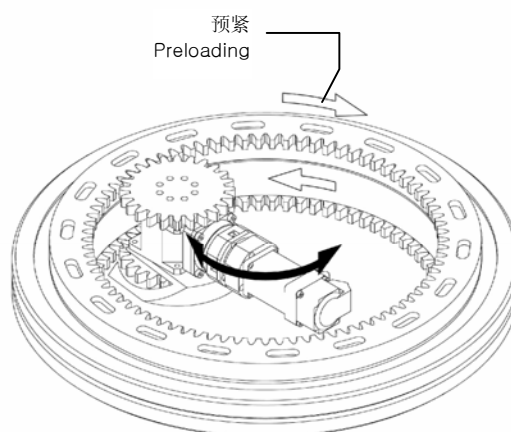
SS

XQ

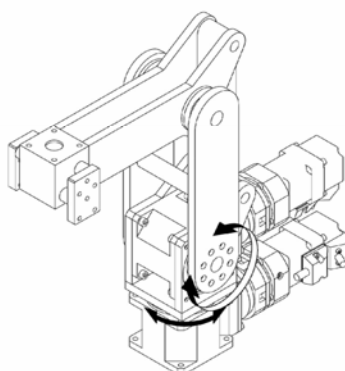
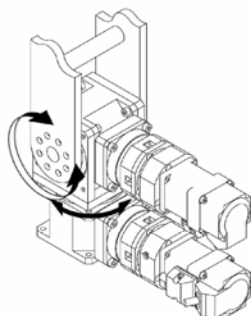
预紧式精密中型分度盘（双向输出）
Preloaded precision middle size index (Dual output)]



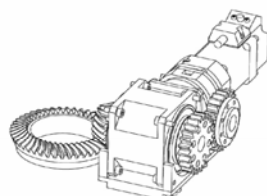
精密分度盘
Precision simple index



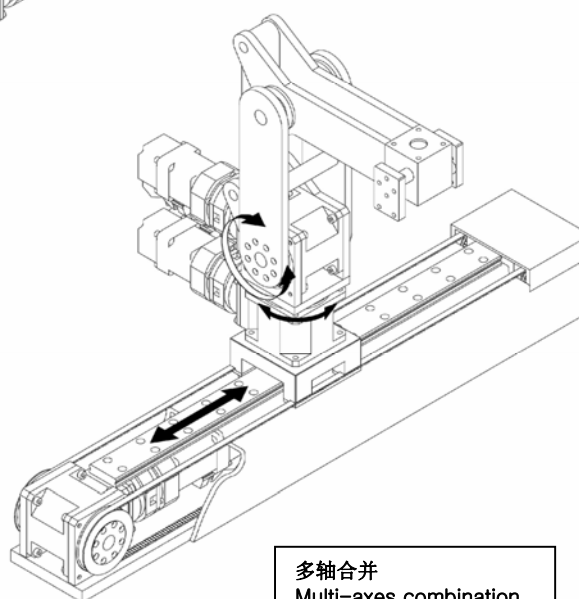
两轴合并
2 axes combination



预紧式精密大型分度盘（双向输出）
Preloaded precision large size index (Dual output)]



多轴运作
Multi-action



多轴合并
Multi-axes combination

CP

XP

MM

SS

XQ

Notes

Lined area for notes.

CP
XP
MM
SS
XQ