

SPS 自潤球面軸承 Oilless Spherical Plain Bearing

內球	材質	高力黃銅 + 石墨
	Material	500#SP + Graphite
外環	材質	軸承鋼 + MoS ₂ 塗層
	material	SUJ2+MoS ₂ surface

外環 Outside Ring
內球 Inner Ball
允許傾斜角度 Allow rotating angle
運動方向 Sliding Direction
剖面 Section
往復運動 Reciprocation
最大負重 Max Load
剖面 Section
壓入方法 Mounting Way
座孔 Housing Bore
實例 Example

● 相配軸 Mating shaft
e 7: 一般用 (推薦座孔公差 K7) e 7: Normal Load (Housing Tolerance K7)
d 8: 重負荷用 (推薦座孔公差 N7) d 8: Heavy Load (Housing Tolerance N7)

α = 允許傾斜角度 Allow rotating angle

Unit(單位): mm

Part No.	ϕd	ϕD	B	C	ϕd_1	ϕS	h	α (度) Angle	動負荷 Dynamic N {kgf}	靜負荷 Static N {kgf}
SPS-2035E	20 ^{+0.021} / ₀	35 ⁰ / _{-0.011}	16	12 ⁰ / _{-0.24}	24	29	5.0	9	9,410{ 960}	23,500{ 2,400}
SPS-2542E	25 "	42 "	20	16 "	29	35.5	"	7	15,600{ 1,600}	39,200{ 4,000}
SPS-3047E	30 "	47 "	22	18 "	34	40.7	"	6	21,100{ 2,160}	52,900{ 5,400}
SPS-3555E	35 ^{+0.025} / ₀	55 ⁰ / _{-0.013}	25	20 ⁰ / _{-0.3}	40	47	6.0	"	27,400{ 2,800}	68,600{ 7,000}
SPS-4062E	40 "	62 "	28	22 "	45	53	"	7	34,500{ 3,520}	86,200{ 8,800}
SPS-4568E	45 "	68 "	32	25 "	51	60	"	"	44,100{ 4,500}	109,000{11,200}
SPS-5075E	50 "	75 "	35	28 "	56	66	"	6	54,900{ 5,600}	137,000{14,000}
SPS-6090E	60 ^{+0.030} / ₀	90 ⁰ / _{-0.015}	44	36 ⁰ / _{-0.4}	67	80	"	"	84,700{ 8,640}	211,000{21,600}
SPS-70105E	70 "	105 "	49	40 "	78	92	"	"	109,000{11,200}	274,000{28,000}
SPS-80120E	80 "	120 "	55	45 "	89	105	"	"	141,000{14,400}	353,000{36,000}
SPS-90130E	90 ^{+0.035} / ₀	130 ⁰ / _{-0.018}	60	50 ⁰ / _{-0.5}	98	115	"	5	176,000{18,000}	441,000{45,000}
SPS-100150E	100 "	150 "	70	55 "	110	130	7.0	7	215,000{22,000}	539,000{55,000}
SPS-110160E	110 "	160 "	"	55 "	121	140	"	6	237,000{24,200}	539,000{60,500}
SPS-120180E	120 "	180 "	85	70 "	136	160	"	"	329,000{33,600}	823,000{84,000}