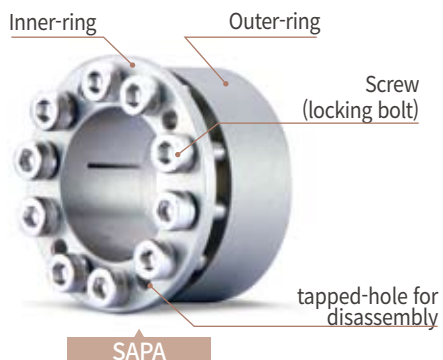


A.P. LOCK : SAPA SERIES



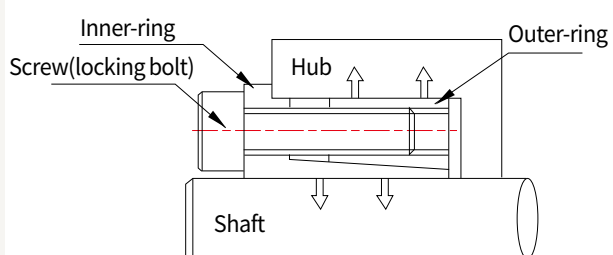
Structure and Material for SAPA Series

Model	Body (Inner-ring / Outer-ring)		Screw(locking bolt)	
	Material	Surface Treatment	Material	Surface Treatment
SAPA	AL-7075-T6	Anodizing	SCM435	Electroless Nickel Plating

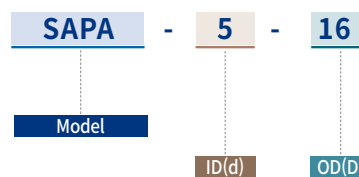
Product Features

- Excellent for high rotating application (AL-Alloy Material has lower moment of inertia)
- Designed to suit not only AL-Alloy pulleys but also steel ones with higher surface pressure comparing to SAPC series
- Designed to suit clean rooms with high corrosion resistance
- Exactly identical dimensions with SAPL-A Series
- Self-centering function (prevention of slight off-center matters)

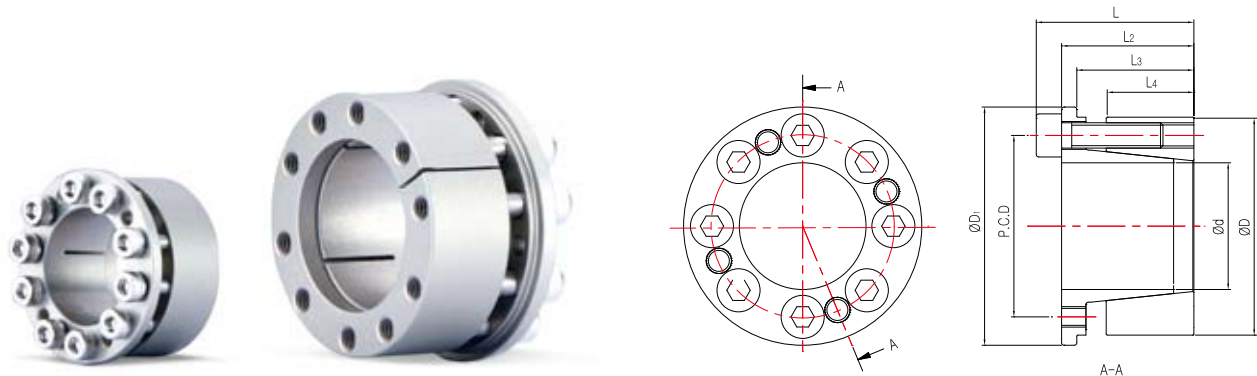
Principles



How to Order



SAPA SERIES : SAPA



Dimensions / Performance

Model d x D	Size (±0.3mm)						Max. Permissible Torque(Tc) (N·m)	Max. Permissible Thrust Load(Pt) (kN)	Surface Pressure (Mpa)		screw(locking bolt)			Mass(g)
	L	L ₂	L ₃	L ₄	D ₁	P.C.D			Shaft(Pi)	Hub(Po)	Size	The no. of screws	Fastening Torque(N·m)	
SAPA-5-16	16	13	11.2	8	18.5	11.7	6	2.24	197	64	M3	4	2.3	7
SAPA-6-19	18.3	14.3	12.3	9	21.5	14	11	3.74	285	92	M4	4	5.1	10
SAPA-8-21	18.6	14.6	12.6	9.3	23.5	15.4	18	4.48	214	96	M4	4	5.1	13
SAPA-10-23	18.8	14.8	12.8	9.5	25.5	17.5	20	4.48	167	86	M4	4	5.1	15
SAPA-11-24	19.8	15.8	13.8	10.5	26.5	18.4	24	4.48	153	83	M4	4	5.1	17
SAPA-12-26	22	18	15.5	10.5	28.5	20.2	40	6.73	209	103	M4	6	5.1	20
SAPA-14-28	22	18	15.5	10.5	30.5	22.2	52	7.57	202	108	M4	6	5.1	23
SAPA-15-29	23	19	16.5	11.5	31.5	23.2	56	7.57	167	95	M4	6	5.1	25
SAPA-16-30	23.6	19.6	17.1	12	33	24.2	60	7.57	149	88	M4	6	5.1	28
SAPA-17-31	24.1	20.1	17.6	12.5	33.5	25.4	88	10.08	177	109	M4	8	5.1	28
SAPA-18-32	24.1	20.1	17.6	12.5	34.5	26.4	92	10.08	167	106	M4	8	5.1	30
SAPA-19-33	24.1	20.1	17.6	12.5	35.5	27.4	96	10.08	159	102	M4	8	5.1	31
SAPA-20-38	29.1	24.1	21.1	15.3	42	30.8	176	17.28	186	111	M5	8	10	53
SAPA-22-40	29.1	24.1	21.1	15.3	44	32.8	232	20.8	204	126	M5	8	10	60
SAPA-24-42	30.1	25.1	22.1	16.3	46	34.8	256	20.8	173	113	M5	8	10	65
SAPA-25-43	31.1	26.1	23.1	17.3	47	35.8	270	21.76	172	109	M5	8	10	68
SAPA-28-46	31.6	26.6	23.1	17.3	50	38.8	290	21.6	153	101	M5	10	10	71
SAPA-30-48	31.6	26.6	23.1	17.3	52	40.8	320	21.6	142	97	M5	10	10	76
SAPA-32-50	32.6	27.6	24.1	18.3	54	42.8	352	21.6	124	88	M5	10	10	80
SAPA-35-57	36	30	26	19.5	62	48.4	576	32.88	195	132	M6	8	18	117

- Pt(Max. Permissible Thrust Load) indicates values at the zero(0) torque, and Tc(Max. Permissible Torque) at the zero(0) thrust load respectively. In case torque and thrust load occur simultaneously, please refer to the formula in the [Selection guide] page for combined load calculation.
- For the best performance, make sure all foreign substances e.g. corrosion, dust etc. are removed from each surface of shaft, hub, and A.P. Lock's inner and outer ring.