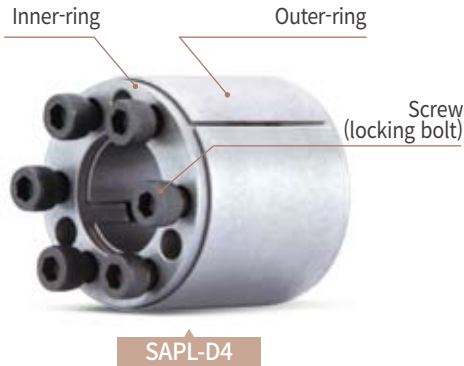


# A.P. LOCK : SAPL-D4



## Structure and Material for SAPL-D4 Series

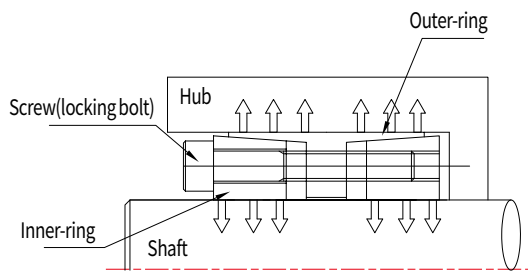
Model	Body (Inner-ring / Outer-ring)		Screw(locking bolt)	
	Material	Surface Treatment	Material	Surface Treatment
SAPL-D4	STEEL	-	SCM435	Black Oxide

※ Please contact Sung-il Customer Service team for eletroless nickel plating surface treatment option for SAPL-D4 Series.

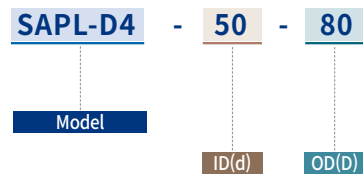
## Product Features

- Excellent for high-torque transmission capacity
- Equivalent to SAPL-D1 series with the same dimensions (which is the most standard clamping structure between shaft and hub) in particular to the double-row SAPL-D1 version
- Self-centering function (prevention of slight off-center matters)
- Recommended tolerance (Shaft's OD: h8, Hub's ID: H8)

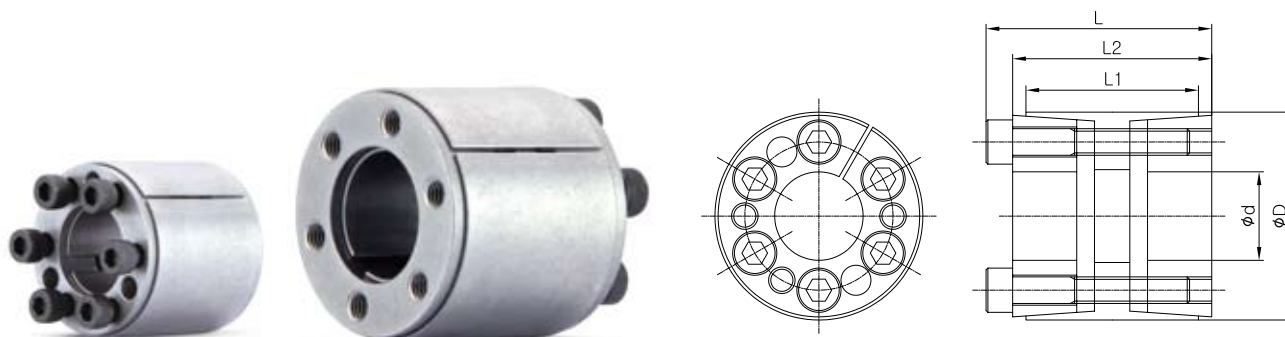
## Principles



## How to Order



# SAPL-D SERIES : SAPL-D4



## 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(kg)
	L <sub>1</sub>	L <sub>2</sub>	L			Shaft(Pi)	Hub(Po)	Size	The no. of screws	Fastening Torque(N·m)	
SAPL-D4-19 x 47	39	45	51	360	40	135	60	M6	6	17	0.4
SAPL-D4-20 x 47	39	45	51	380	40	140	60	M6	6	17	0.4
SAPL-D4-22 x 47	39	45	51	425	40	125	60	M6	6	17	0.4
SAPL-D4-24 x 50	39	45	51	660	53	155	75	M6	6	17	0.5
SAPL-D4-25 x 50	39	45	51	680	53	150	75	M6	6	17	0.5
SAPL-D4-28 x 55	39	45	51	750	42	135	65	M6	8	17	0.6
SAPL-D4-30 x 55	39	45	51	790	53	120	65	M6	8	17	0.6
SAPL-D4-32 x 60	39	45	51	1250	80	165	90	M6	8	17	0.6
SAPL-D4-35 x 60	39	45	51	1400	80	155	90	M6	8	17	0.6
SAPL-D4-38 x 65	39	45	51	1650	90	160	90	M6	10	17	0.7
SAPL-D4-40 x 65	39	45	51	1750	90	150	90	M6	10	17	0.7
SAPL-D4-42 x 75	39	45	51	3100	155	200	110	M8	8	41	1
SAPL-D4S-45 x 75	39	45	51	3200	155	180	110	M8	8	41	0.9
SAPL-D4-45 x 75	56	64	72	3460	155	165	100	M8	8	41	1.3
SAPL-D4-48 x 80	56	64	72	3680	155	150	95	M8	8	41	1.5
SAPL-D4-50 x 80	56	64	72	3820	155	147	95	M8	8	41	1.4
SAPL-D4-55 x 85	56	64	72	4260	155	135	85	M8	8	41	1.5
SAPL-D4-60 x 90	56	64	72	5820	190	155	100	M8	10	41	1.5
SAPL-D4-65 x 95	56	64	72	6276	190	190	100	M8	10	41	1.6
SAPL-D4-70 x 110	70	78	88	10950	310	230	120	M10	10	83	3
SAPL-D4-75 x 115	70	78	88	17700	310	220	110	M10	10	83	3.1
SAPL-D4-80 x 120	70	78	88	13700	340	220	120	M10	12	83	3.5

- 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.