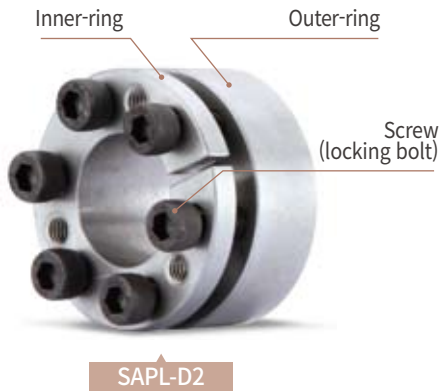


# A.P. LOCK : SAPL-D2



## Structure and Material for SAPL-D2 Series

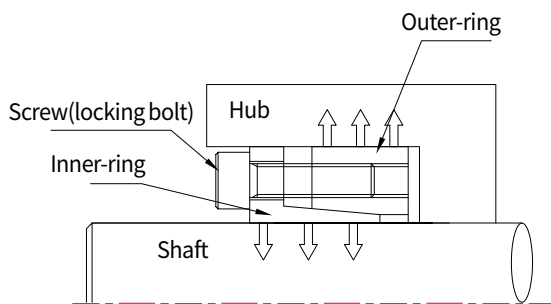
Model	Body (Inner-ring / Outer-ring)		Screw(locking bolt)	
	Material	Surface Treatment	Material	Surface Treatment
SAPL-D2	STEEL	-	SCM435	Black Oxide

※ Please contact Sung-il Customer Service team for eletroless nickel plating surface treatment option for SAPL-D2 Series.

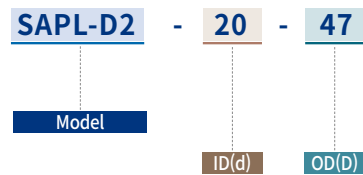
## Product Features

- Equivalent to SAPL-D1 series with the same dimensions (which is the most standard clamping structure between shaft and hub)
- Effective installation with less quantity of fastening screws
- Axial movement of the shaft may occur while installed
- Self-centering function (prevention of slight off-center matters)
- Recommended tolerance (Shaft's OD: h8, Hub's ID: H8)

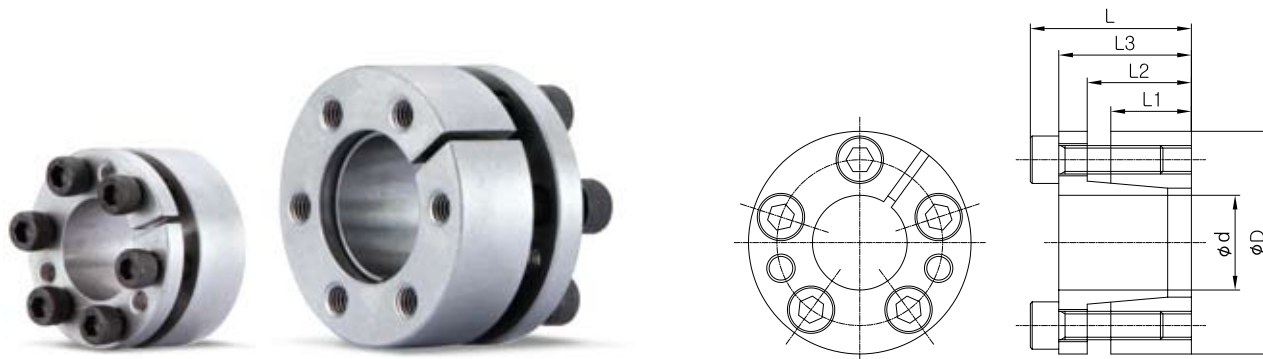
## Principles



## How to Order



# SAPL-D SERIES : SAPL-D2



## Dimensions / Performance

Model d x D	Size ( $\pm 0.3\text{mm}$ )				Max. Permissible Torque(Tc) (N·m)	Max. Permissible Thrust Load(Pt) (kN)	Surface Pressure (Mpa)		screw(locking bolt)			Mass(g)
	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L			Shaft(Pi)	Hub(Po)	Size	The no. of screws	Fastening Torque(N·m)	
SAPL-D2-19 x 47	17	22	28	34	273	29	262	106	M6x20	5	13	300
SAPL-D2-20 x 47	17	22	28	34	287	29	249	106	M6x20	5	13	300
SAPL-D2-22 x 47	17	22	28	34	316	29	227	106	M6x20	5	13	300
SAPL-D2-24 x 50	17	22	28	34	413	34	249	120	M6x20	6	13	300
SAPL-D2-25 x 50	17	22	28	34	431	34	239	120	M6x20	6	13	300
SAPL-D2-28 x 55	17	22	28	34	482	34	213	109	M6x20	6	13	400
SAPL-D2-30 x 55	17	22	28	34	517	34	199	109	M6x20	6	13	400
SAPL-D2-32 x 60	17	22	28	34	734	46	249	133	M6x20	8	13	400
SAPL-D2-35 x 60	17	22	28	34	803	46	227	133	M6x20	8	13	400
SAPL-D2-38 x 65	17	22	28	34	872	46	210	122	M6x20	8	13	400
SAPL-D2-40 x 65	17	22	28	34	918	46	199	122	M6x20	8	13	400
SAPL-D2-42 x 75	17	25	33	41	1573	74	261	146	M8x25	7	32	800
SAPL-D2-45 x 75	20	25	33	41	1674	74	244	146	M8x25	7	32	800
SAPL-D2-48 x 80	20	25	33	41	1750	74	220	146	M8x25	7	32	800
SAPL-D2-50 x 80	20	25	33	41	1860	74	219	137	M8x25	7	32	800
SAPL-D2-55 x 85	20	25	33	41	2340	85	228	148	M8x25	8	32	800
SAPL-D2-60 x 90	20	25	33	41	2553	85	209	139	M8x25	8	32	800

- 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.