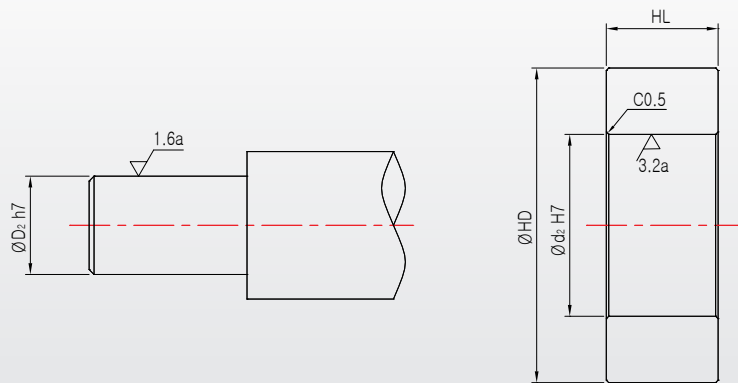


SAPA Series Sungil Aluminum A.P. Lock

Please, download CAD DATA from www.sungilfa.com

Specification



Shaft and Hub Dimension

Model No. (dxD)	Max Permissible Torque (N.m)	Permissible Thrust Load (kN)	Surface pressure		Moment of Inertia (kg/m ²)	Shaft and Hub Dimension				
			Surface pressure	Hub(N/mm ²)		Dimension			Minimum Diameter of Hub (HD)	
						D ₂	d ₂	HL	알루미늄	S45C
SAPA-5-16	6	2.24	197	64	2.63 × 10 ⁻⁷	5	16	13	28	22
SAPA-6-19	11	3.74	285	92	6.13 × 10 ⁻⁷	6	19	14	35	27
SAPA-8-21	18	4.48	214	96	8.74 × 10 ⁻⁷	8	21	15	39	30
SAPA-10-23	20	4.48	167	86	1.23 × 10 ⁻⁶	10	23	16	41	32
SAPA-11-24	24	4.48	153	83	1.44 × 10 ⁻⁶	11	24	16	42	33
SAPA-12-26	40	6.73	209	103	2.38 × 10 ⁻⁶	12	26	17	50	38
SAPA-14-28	52	7.57	202	108	3.08 × 10 ⁻⁶	14	28	17	56	42
SAPA-15-29	56	7.57	167	95	3.66 × 10 ⁻⁶	15	29	18	53	41
SAPA-16-30	60	7.57	149	88	4.28 × 10 ⁻⁶	16	30	18	54	42
SAPA-17-31	88	10.08	177	109	5.13 × 10 ⁻⁶	17	31	19	61	46
SAPA-18-32	92	10.08	167	106	5.71 × 10 ⁻⁶	18	32	19	62	47
SAPA-19-33	96	10.08	159	102	7.20 × 10 ⁻⁶	19	33	19	63	48
SAPA-20-38	176	17.28	186	111	1.55 × 10 ⁻⁵	20	38	23	82	60
SAPA-22-40	232	20.80	204	126	1.84 × 10 ⁻⁵	22	40	23	96	68
SAPA-24-42	256	20.80	173	113	2.23 × 10 ⁻⁵	24	42	24	92	67
SAPA-25-43	270	21.76	172	109	2.49 × 10 ⁻⁵	25	43	25	91	67
SAPA-28-46	290	21.60	153	101	3.36 × 10 ⁻⁵	28	46	25	92	69
SAPA-30-48	320	21.60	142	97	3.86 × 10 ⁻⁵	30	48	25	94	71
SAPA-32-50	352	21.60	124	88	4.60 × 10 ⁻⁵	32	50	26	92	71
SAPA-35-57	576	32.88	195	132	8.46 × 10 ⁻⁵	35	57	28	121	89

※ The young's modulus of Aluminum is relatively low, so because of the deformation of hub, enough surface pressure might not be secured.

※ About 15-20% of transmittable torque will be reduced due to key hole of shaft because surface contact is decreased..