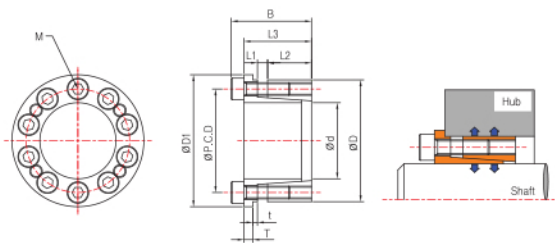




Features

MAD is available for the shaft with a narrow diameter
Centering function is available.
Decision on position is free.
It has a shaft on the hub unmovable when assembled.
Safe and precise fitting system



Usage

Gear, Pulley, Sprocket, Cam, etc.

Specifications

Surface roughness : Rt max 16µm
Processing tolerance(Max) : Shaft h7, Hub H7

MAD d×D	Dimension								Tightening screw(DIN912/12.9)			Transfer		Surface pressure		Mass	Moment of inertia
	D1	P.C.D	t	T	L1	L2	L3	B	Size	Quantity	Tightening torque	Thrust	Torque	Shaft	Hub		
mm	mm	mm	mm	mm	mm	mm	mm	mm	M	Qty	N · m	kN	N · m	Mpa	Mpa	kg	kg · m ²
5×16	18.5	11.7	1.2	1.8	2.0	8.0	13.0	16.0	M3	4	1.9	2.80	7	249	81	0.018	6.27×10 ⁻⁷
6×19	21.5	14.0	1.3	2.0	2.0	9.0	14.3	18.3	M4	4	3.9	4.67	14	318	102	0.026	1.36×10 ⁻⁶
6.35×20	22.5	14.35	1.3	2.0	2.0	9.0	14.3	18.3	M4	4	3.9	4.67	14	301	97	0.029	1.66×10 ⁻⁶
8×21	23.5	15.40	1.3	2.0	2.0	9.3	14.6	18.6	M4	4	3.9	5.60	22	239	107	0.035	2.03×10 ⁻⁶
10×23	25.5	17.50	1.3	2.0	2.0	9.5	14.8	18.8	M4	4	3.9	5.60	25	186	96	0.040	2.92×10 ⁻⁶
11×24	26.5	18.40	1.3	2.0	3.0	9.5	15.8	19.8	M4	4	3.9	5.60	30	170	92	0.045	3.45×10 ⁻⁶
12×26	28.5	20.20	1.5	2.5	3.5	10.5	18.0	22.0	M4	6	3.9	8.41	50	233	115	0.053	5.37×10 ⁻⁶
14×28	30.5	22.20	1.5	2.5	3.5	10.5	18.0	22.0	M4	6	3.9	9.46	65	225	120	0.061	7.07×10 ⁻⁶
15×29	31.5	23.20	1.5	2.5	3.5	11.5	19.0	23.0	M4	6	3.9	9.46	70	186	106	0.066	8.58×10 ⁻⁶
16×30	33.0	24.20	1.6	2.5	3.5	12.0	19.6	23.6	M4	6	3.9	9.46	75	166	98	0.075	1.02×10 ⁻⁵
17×31	33.5	25.20	1.6	2.5	3.5	12.5	20.1	24.1	M4	8	3.9	12.60	110	197	121	0.075	1.17×10 ⁻⁵
18×32	34.5	26.20	1.6	2.5	3.5	12.5	20.1	24.1	M4	8	3.9	12.60	115	186	118	0.080	1.31×10 ⁻⁵
19×33	35.5	27.20	1.6	2.5	3.5	12.5	20.1	24.1	M4	8	3.9	12.60	120	177	114	0.081	1.46×10 ⁻⁵
20×38	42.0	30.80	1.8	3.0	4.0	15.3	24.1	29.1	M5	8	8.8	21.60	220	234	139	0.144	3.70×10 ⁻⁵
22×40	44.0	32.80	1.8	3.0	4.0	15.3	24.1	29.1	M5	8	8.8	26.00	290	256	159	0.165	4.42×10 ⁻⁵
24×42	46.0	34.80	1.8	3.0	4.0	16.3	25.1	30.1	M5	8	8.8	26.00	320	217	142	0.180	5.46×10 ⁻⁵
25×43	47.0	35.80	1.8	3.0	4.0	17.3	26.1	31.1	M5	8	8.8	27.20	350	216	137	0.188	6.15×10 ⁻⁵
28×46	50.0	38.80	1.8	3.5	4.0	17.3	26.6	31.6	M5	10	8.8	27.00	380	192	127	0.195	8.15×10 ⁻⁵
30×48	52.0	40.80	1.8	3.5	4.0	17.3	26.6	31.6	M5	10	8.8	27.00	410	179	122	0.208	9.45×10 ⁻⁵
32×50	54.0	42.80	1.8	3.5	4.0	18.3	27.6	32.6	M5	10	8.8	27.00	440	156	110	0.219	1.14×10 ⁻⁴
35×57	62.0	48.40	2.0	4.0	4.5	19.5	30.0	36.0	M6	8	15.7	41.10	720	204	138	0.325	2.12×10 ⁻⁴
38×60	65.0	51.40	2.0	4.0	4.5	20.0	30.5	36.5	M6	10	15.7	40.20	770	178	125	0.362	2.62×10 ⁻⁴
40×62	67.0	53.40	2.0	4.0	4.5	20.5	31.0	37.0	M6	10	15.7	40.20	810	164	118	0.380	3.00×10 ⁻⁴
42×64	69.0	55.40	2.0	4.0	4.5	20.5	31.0	37.0	M6	10	15.7	40.20	850	156	114	0.405	3.32×10 ⁻⁴
45×67	72.0	58.40	2.0	4.0	4.5	21.0	31.5	37.5	M6	10	15.7	52.90	1,200	186	140	0.435	3.95×10 ⁻⁴
48×70	75.0	61.40	2.0	4.5	4.5	21.0	32.0	38.0	M6	12	15.7	48.20	1,200	159	123	0.460	4.75×10 ⁻⁴
50×72	77.0	63.40	2.0	4.5	4.5	21.5	32.5	38.5	M6	14	15.7	56.30	1,500	173	136	0.485	5.35×10 ⁻⁴
55×77	83.0	68.40	2.0	4.5	4.5	21.5	32.5	38.5	M6	14	15.7	56.30	1,600	158	127	0.520	6.80×10 ⁻⁴
60×82	87.0	73.40	2.0	5.0	4.5	22.0	33.5	39.5	M6	15	15.7	60.30	1,900	150	125	0.560	8.61×10 ⁻⁴
65×87	92.0	78.40	2.0	5.0	4.5	22.0	33.5	39.5	M6	15	15.7	60.30	2,000	139	118	0.610	1.05×10 ⁻³
70×97	103	86.20	2.0	5.0	5.1	24.0	36.1	44.1	M8	14	37.3	94.80	3,400	187	152	0.845	1.86×10 ⁻³
75×102	108	91.20	2.0	5.0	5.1	24.0	36.1	44.1	M8	15	37.3	101.50	3,900	187	155	0.932	2.22×10 ⁻³
80×107	113	96.20	2.0	5.0	5.1	25.0	37.1	45.1	M8	15	37.3	101.50	4,100	166	142	1.100	2.27×10 ⁻³
85×112	118	101.20	2.0	5.0	5.1	25.0	37.1	45.1	M8	15	37.3	101.50	4,400	157	135	1.270	3.10×10 ⁻³