




# Keyless Bushings

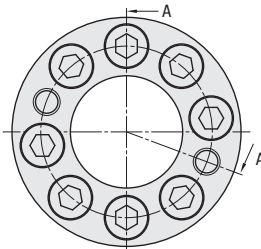
## High Torque Transmission Type

**Features:** Increased screw size provides excellent durability; ideal for mechanisms requiring high transmission force.

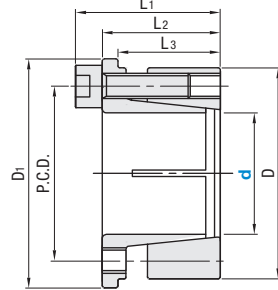


RoHS 10

MLKN



TYPE	Material		Surface Treatment	
	Main Body	Locking Screw	Main Body	Locking Screw
MLKN	Chrome Molybdenum Steel	4137 Alloy Steel	Not Provided	Black Oxide



Part Number		D	D <sub>1</sub>	P.C.D.	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Locking Screw			Mass (g)
Type	d							M x L	Quantity	Tightening Torque (N·m)	
MLKN	25	47	51	38.2	34.1	28.1	24.6	M6 x 20	8	15.7	250
	28	50	54	41.2	35.1	29.1	25.6				265
	30	52	56	43.2	35.6	29.6	26.1				295
	32	54	58	45.2	36.1	30.1	26.6				336
	35	57	61	48.2	37.1	31.1	26.6	M8 x 25	10	39.2	392
	40	68	73	56.8	41.6	33.6	29.1				488
	45	73	78	61.8	42.6	34.6	30.1				605
	50	78	83	66.8	43.6	35.6	30.6				705
	55	83	88	71.8	44.6	36.6	31.6				735
	60	88	93	76.8	45.6	37.6	32.6				792

### Allowable Load Applied to MechaLock

d	Max. Allowable (N·m)	Allowable Thrust Load (kN)
25	490	39.2
28	540	
30	590	
32	765	47.1
35	970	55
40	1460	72.6
45	1860	82.4
50	2430	93.2
55	2570	
60	2960	

### Shaft/Hub Rigidity

d	Shaft Side Surface Pressure MPa	Hub Side Surface Pressure MPa	Hub Machining Depth HL
25	233	143	25
28	195	128	26
30	182	123	27
32	207	144	
35	184	133	28
40	278	193	31
45	293	173	32
50	247	190	33
55	214	171	
60	216	181	

### Recommended Tolerance and Surface Roughness of Shaft and Hub

Mounting Surface	Tolerance	Surface Roughness
Shaft Outer Dia.	h7 (g6)	Ra 1.6 or less
Hub I.D.	H7	Ra 3.2 or less

Part Number Example
MLKN25