

KM shaft locknut

A threaded locknut with four peripheral slots for positioning and axial retention of bearings and shaft components. Locking requires the retaining arrangement specified by the design.

Dimensional range

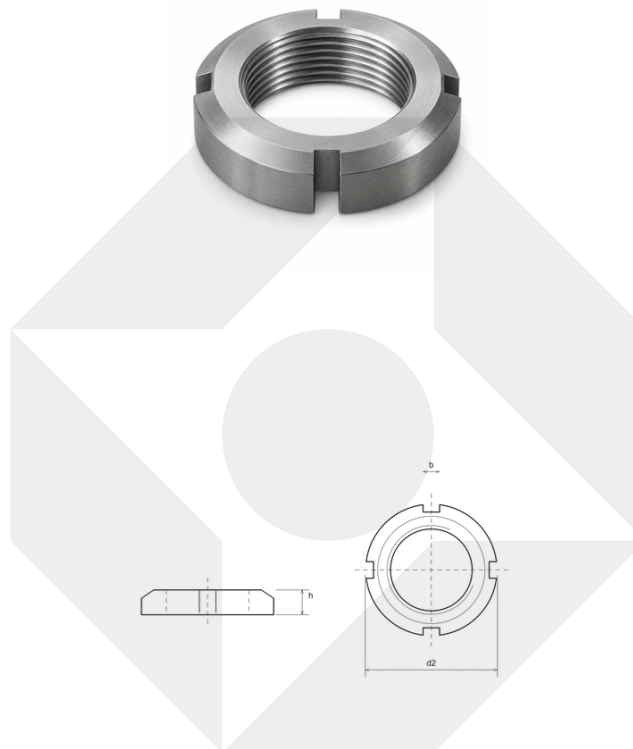
M10-M180

Thread

Metric · fine pitch

Configuration

KM shaft locknut



Technical drawing

d
metric thread
P
pitch
d2
outside diameter
h
height
b
slot width
t
radial slot depth.

Variants and dimensional data

The table identifies the reference technical selection. The supply configuration is reviewed against the enquiry.

Dimensions in mm. Identification drawing, not a manufacturing drawing.

M	Pitch P	d2 outside	h height	b slot width	t radial depth
10	0.75	18	4	3	2
12	1	22	4	3	2
15	1	25	5	4	2
17	1	28	5	4	2
20	1	32	6	4	2
25	1.5	38	7	5	2
30	1.5	45	7	5	2
35	1.5	52	8	5	2
40	1.5	58	9	6	2.5
45	1.5	65	10	6	2.5
50	1.5	70	11	6	2.5
55	2	75	11	7	3
60	2	80	11	7	3
65	2	85	12	7	3
70	2	92	12	8	3.5
75	2	98	13	8	3.5
80	2	105	15	8	3.5
85	2	110	16	8	3.5
90	2	120	16	10	4
95	2	125	17	10	4
100	2	130	18	10	4
105	2	140	18	12	5
110	2	145	19	12	5
115	2	150	19	12	5
120	2	155	20	12	5
125	2	160	21	12	5
130	2	165	21	12	5

M	Pitch P	d2 outside	h height	b slot width	t radial depth
135	2	175	22	14	6
140	2	180	22	14	6
145	2	190	24	14	6
150	2	195	24	14	6
180	3	230	27	16	8

A plain KM locknut is not self-locking: check the compatible locking washer and shaft keyway, or the alternative retaining device specified. Check pitch, bearing-face orientation and dimensional compatibility. Do not transfer loads or torque ratings certified for a particular brand to this geometry.

Table dimensions refer to the stated execution. DIN/UNI, polymer and special variants require verification of their own dimensions; they do not automatically inherit reference geometry, weight or performance.

Materials, classes, finishes and treatments

Executions are distinguished by reference, material, class and finish. DIN, ISO and UNI references do not imply dimensional equivalence or availability of every size in each material. Supply and batch documents require quotation confirmation.

Execution reference	Material	Class / hardness	Documented finishes
DIN 981	Steel	4.8	GEOMET 321A; Plain; Yellow zinc plated; Zinc plated

“To be specified” is a requirement not established by this selection; it does not imply class 70/80, HV hardness or an automatic finish. Steel property classes do not apply to nylon/polyamide; PA6 and PA66 are distinguished only where stated. For nuts with non-metallic inserts, the material shown is the body material.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

ISO, DIN and UNI: key differences

DIN 981

Geometry of the documented technical selection. Check the supplied product drawing before substitution; universal equivalence with other designs is not claimed.

