

T-slot nut

A threaded element retained inside a T-slot. Thread size alone does not identify the variant: check the slot width and geometry as well.

Dimensional range

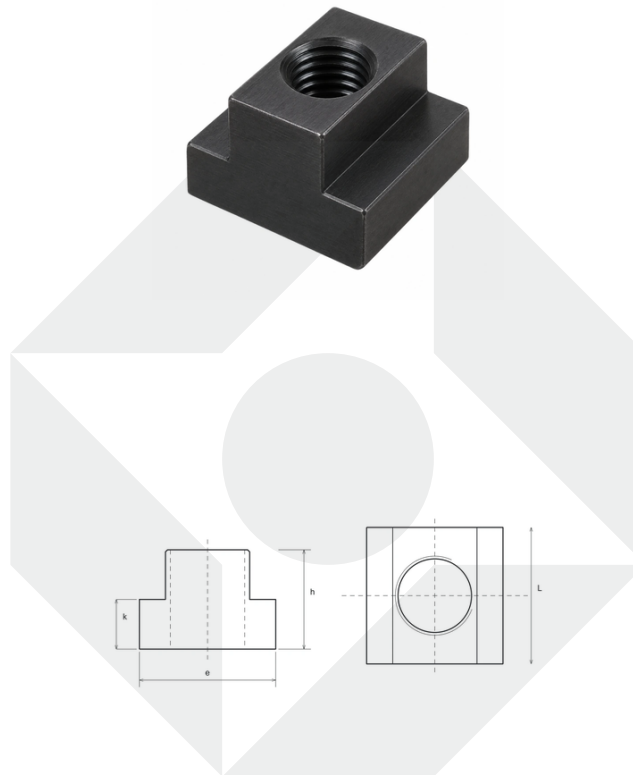
M4-M24

Thread

Metric · coarse pitch

Configuration

T-slot nut



Technical drawing

d

thread

P

pitch

slot

nominal slot width, not actual neck width

e

base width

L

length

h

height

k

base thickness. Nominal reference dimensions; check tolerances on the supply drawing.

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	Nominal slot	e base width	L length	h height	k base
4	0.7	5	9	9	6.5	3
5	0.8	6	10	10	8	4
6	1	8	13	13	10	6
6	1	10	15	15	12	6
8	1.25	10	15	15	12	6
8	1.25	12	18	18	14	7
10	1.5	12	18	18	14	7
10	1.5	14	22	22	16	8
12	1.75	14	22	22	16	8
10	1.5	16	25	25	18	9
12	1.75	16	25	25	18	9
14	2	16	25	25	18	9
12	1.75	18	28	28	20	10
14	2	18	28	28	20	10
16	2	18	28	28	20	10
12	1.75	20	32	32	24	12
16	2	20	32	32	24	12
18	2.5	20	32	32	24	12
16	2	22	35	35	28	14
20	2.5	22	35	35	28	14
20	2.5	24	40	40	32	16
22	2.5	24	40	40	32	16
20	2.5	28	44	44	36	18
24	3	28	44	44	36	18

Compare nominal slot, base width and heights before fitting. The screw must not interfere with the slot bottom. Compatibility with every aluminium profile system must not be assumed.

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 508	Steel	10	Plain

“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 508

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