PAL sheet-metal hexagon lock nut

A spring sheet-metal component used as a secondary locking nut according to the specified assembly procedure.

Dimensional range

M6-M20

Thread

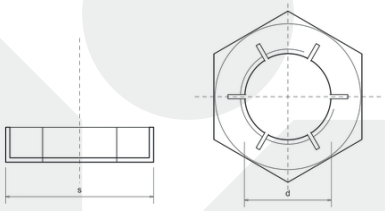
Metric · coarse pitch

Configuration

PAL sheet-metal hexagon lock nut



Technical drawing



d

nominal thread

P

pitch

s

width across flats

m

body height

h

overall height

dc

flange diameter. Only columns included in the table apply.

Variants and dimensional data

Reference sizes are listed in the table. Other diameters, pitches, materials and finishes are available on request, subject to an agreed supply specification.

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

M	Pitch P	s	m	t sheet
6	1	10	3	0.4
8	1.25	13	3.5	0.5
10	1.5	17	4	0.5
12	1.75	19	4.5	0.6
14	2	22	5	0.6
16	2	24	5	0.7
20	2.5	30	6	0.8

C70 spring steel is a material grade, not a nut property class. This sheet-metal lock nut does not replace the load-bearing nut. Follow the specified orientation, torque and assembly conditions.

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 7967	Spring steel C70	To be specified	Hot-dip galvanized; Plain; Zinc plated
DIN 7967	Stainless A2	To be specified	To be specified
DIN 7967	Stainless A4	To be specified	To be specified

“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 7967

Dimensions of the specified commercial selection do not replace a manufacturing drawing or the complete supply specification.