

Low hexagon cap nut

A hexagonal body with a low closed end. Compare usable blind-hole depth with bolt projection.

Dimensional range

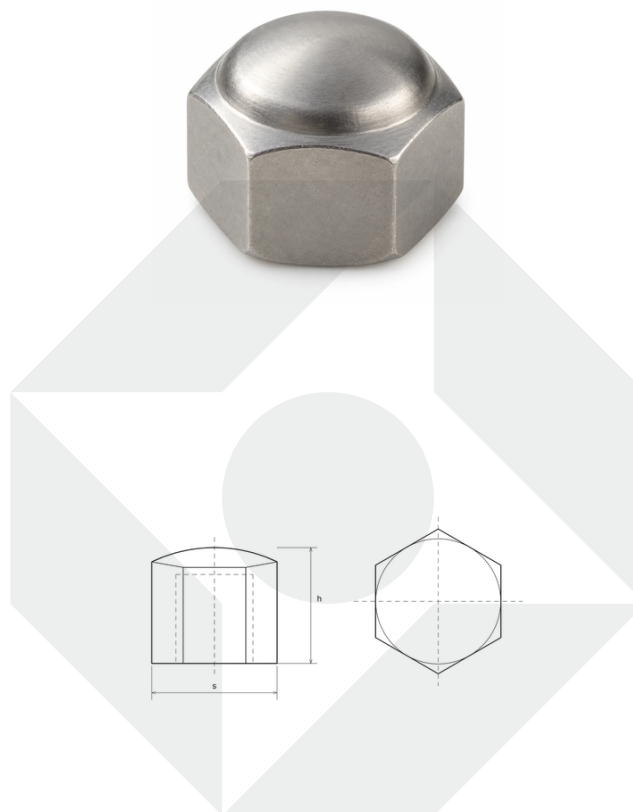
M4-M30

Thread

Metric · coarse pitch

Configuration

Low hexagon cap nut



Technical drawing

d
thread
P
pitch
h
overall height
s
wrench size
r
cap radius
t
blind-hole 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	h overall	s	r cap	t min. depth	t max. depth
4	0.7	5.5	7	8	4.16	4.64
5	0.8	7	8	10	4.96	5.44
6	1	9	10	12	6.71	7.29
8	1.25	12	13	15	9.21	9.79
10	1.5	14	17	20	10.65	11.35
12	1.75	16	19	25	13.15	13.85
14	2	18	22	28	14.65	15.35
16	2	20	24	30	16.65	17.35
18	2.5	22	27	32	18.58	19.42
20	2.5	25	30	35	20.58	21.42
22	2.5	28	32	35	21.58	22.42
24	3	30	36	40	23.58	24.42
27	3	32	41	50	25.58	26.42
30	3.5	34	46	60	27.58	28.42

Do not confuse with high DIN 1587 or prevailing-torque DIN 986. Check blind-hole depth, internal relief and any sealing requirement: a closed nut does not imply watertightness. Confirm wrench sizes and depths for the ordered design.

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 917	Stainless A2	To be specified	To be specified
DIN 917	Stainless A4	To be specified	To be specified
DIN 917	Steel	6	Plain; 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 917

Documented DIN 917 technical selection: M4 h = 5.5 mm. Commercial differences exist, including wrench sizes and M4 height; check the supplied product drawing.