Nylon-domed prevailing-torque cap nut

A closed nylon dome and metal hexagon body combine end protection and a locking element.

Dimensional range

M5-M12

Thread

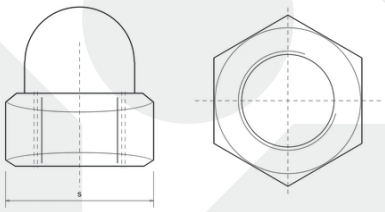
Metric · coarse pitch

Configuration

Nylon-domed prevailing-torque cap 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	h	m
5	0.8	8	10.5	4
6	1	10	12	5
8	1.25	13	14	6.4
10	1.5	17	18.1	7.8
12	1.75	19	22.5	9.6

Non-metallic insert: check temperature, chemicals and coating compatibility. Prevailing torque is not preload. Reuse and acceptance criteria must follow the manufacturer specification; no universal reuse count is assigned. Check bolt projection: it must not interfere with the cap. Watertightness is not claimed.

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 986	Steel	8	Black zinc plated; Zinc plated
DIN 986	Stainless A2	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 986

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