All-metal prevailing-torque nut, type V

Locking action is produced by controlled deformation of the metal body, without a plastic insert.

ISO 7042

Dimensional range

M5-M16

Thread

Metric · coarse pitch

Configuration

All-metal prevailing-torque nut, type V

References

ISO 7042



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.

https://www.dueemmesidol.it/en/products/standard-fasteners/nuts/din-980-v/

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	hMax
5	0.8	8	5.1
6	1	10	6
8	1.25	13	8
10	1.5	17	10
12	1.75	19	12
14	2	22	14
16	2	24	16

All-metal locking: check coating, lubrication and galling risk. Prevailing torque is not preload. Reuse and acceptance criteria must follow the manufacturer specification; no universal reuse count is assigned.

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 980	Steel	10	Black phosphate; GEOMET 321A; Plain; Yellow zinc plated; Zinc plated
DIN 980	Steel	8	GEOMET 321A; Hot-dip galvanized; Yellow zinc plated; Zinc plated
DIN 980	Stainless A2	To be specified	To be specified
DIN 980	Stainless A4	To be specified	To be specified
DIN 980	Steel	12	Yellow zinc plated Cr III 12 µm with sealer
ART. 980 (~DIN 980 / ~ISO 7042)	Stainless A5 · 1.4571	To be specified	To be specified
ART. 980 (~DIN 980 / ~ISO 7042)	Duplex · 1.4462	To be specified	To be specified
ART. 980 (~DIN 980 / ~ISO 7042)	Stainless HCR · 1.4529	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 980 V

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

ISO 7042

Related reference; compare dimensions, design and mechanical specification before substitution. Exact equivalence is not claimed.