High nylon-insert lock nut

A nylon insert retained in the upper collar provides prevailing torque during assembly. Coarse- and fine-pitch designs are listed in the table: always specify diameter × pitch.

UNI 7473 · ISO 7040

Dimensional range

M5-M48

Thread

Metric · coarse pitch

Configuration

High nylon-insert lock nut

References

UNI 7473 · ISO 7040



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-982/

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	6.3	3.5
6	1	10	8	4.5
8	1.25	13	9.5	6.5
8	1	13	9.5	6.5
10	1.5	17	11.5	8
10	1.25	17	11.5	8
10	1	17	11.5	8
12	1.75	19	14	10
12	1.5	19	14	10
12	1.25	19	14	10
14	2	22	16	11
14	1.5	22	16	11
16	2	24	18	12.8
16	1.5	24	18	12.8
18	1.5	27	20	14.4
20	1.5	30	22	16
22	1.5	32	25	17.6
24	2	36	28	19
27	2	41	31	21.6
30	2	46	33	24
33	2	50	35	24
36	3	55	39	28
39	3	60	42	31
42	3	65	45	33
45	3	70	47	36
48	3	75	50	38

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.

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 982	Steel	8	Black zinc plated; GEOMET 321A; Geomet 321b; Hot-dip galvanized; Plain; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated; Zinc plated ≥12 µm
DIN 982	Steel	To be specified	Zinc plated
DIN 982	Steel	10	Hot-dip galvanized; Plain; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated
DIN 982	Stainless A2	To be specified	To be specified
DIN 982	Stainless A4	80	To be specified
DIN 982	Stainless A4	To be specified	To be specified
ISO 7040	Steel	8	Zinc plated
DIN 982	Brass	Not applicable	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 982

Dimensions refer to the stated DIN selection. Related ISO/UNI references are not automatic equivalents: check pitch and envelope against the required specification.

UNI 7473

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

ISO 7040

Related coarse-pitch reference; not assigned to the fine-pitch rows of this sheet.