Hexagon regular nut, style 1

Regular hexagon nut with a coarse metric thread. Select the nut material and property class to suit the joint and its mating bolt.

DIN 934 · UNI 5588

Dimensional range

M5-M39

Thread

Metric · coarse pitch

Configuration

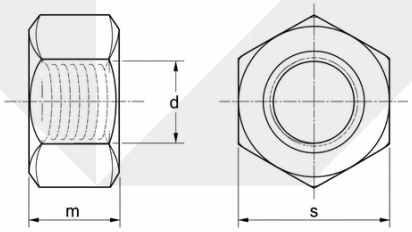
Regular nut, style 1

References

DIN 934 · UNI 5588



Technical drawing



d

nominal thread diameter

s

width across flats

m

nut height

Variants and dimensional data

ISO 4032:2023 dimensional range M5-M39. Material and property-class diameter limits also apply to the enquiry.

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

https://www.dueemmesidol.it/en/products/standard-fasteners/nuts/iso-4032/

M	Pitch P	s	m min.	m max.
5	0.8	8	4.4	4.7
6	1	10	4.9	5.2
7	1	11	6.14	6.5
8	1.25	13	6.44	6.8
10	1.5	16	8.04	8.4
12	1.75	18	10.37	10.8
14	2	21	12.1	12.8
16	2	24	14.1	14.8
18	2.5	27	15.1	15.8
20	2.5	30	16.9	18
22	2.5	34	18.1	19.4
24	3	36	20.2	21.5
27	3	41	22.5	23.8
30	3.5	46	24.3	25.6
33	3.5	50	27.4	28.7
36	4	55	29.4	31
39	4	60	31.8	33.4

Classes 8, 10 and 12 are nut property classes, not bolt classes. ISO 4032:2023 limits class 12 to M5-M16 and A4-80 to M5-M24. Do not extend class 80 automatically beyond M24. Fine threads require a separate standard reference. For M24 < D ≤ M39, A2-50 and A4-50 are also specified alongside A2-70 and A4-70; these class-50 combinations are not automatically extended to smaller diameters.

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 934	Stainless A4	80	To be specified
DIN 934	Steel	To be specified	Black oxide; Black zinc plated; GEOMET 321A; Geomet 321b; Geomet 500a; Hot-dip galvanized; Nickel plated; Plain; Trivalent iridescent zinc plated; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Yellow zinc plated ≥12 µm; corrosion requirement to specify; Yellow zinc plated ≥7 µm; Zinc plated; Zinc plated ≥12 µm; Zinc plated ≥8 µm
DIN 934	Steel	10	GEOMET 321A; Geomet 500a; Hot-dip galvanized; Plain; Trivalent iridescent zinc plated; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated; Zinc plated ≥8 µm
DIN 934	Nylon (PA)	Not applicable	To be specified
UNI 5588	Steel	To be specified	Black zinc-nickel with sealer; GEOMET 321A
DIN 934	Stainless A2	To be specified	To be specified
DIN 934	Stainless A4	To be specified	To be specified
UNI 5588	Steel	6S	Black zinc-nickel with sealer
DIN 934	Brass	Not applicable	Nickel plated; Plain
DIN 934	Steel	12	Plain; Zinc plated
UNI 5588	Steel	12	Plain
DIN 934	Stainless A2	To be specified	To be specified
UNI 5588	Brass	Not applicable	Black zinc-nickel with sealer
DIN 267-4	Steel	To be specified	Black oxide
ISO 4032	Steel	8	Hot-dip galvanized; Plain; Yellow zinc plated; Zinc plated
ISO 4032	Steel	12	Hot-dip galvanized; Plain
ISO 4032	Stainless A2	To be specified	To be specified
ISO 4032	Stainless A4	To be specified	To be specified
ISO 4032	Steel	To be specified	Yellow zinc plated Cr III 12 µm with sealer

Execution reference	Material	Class / hardness	Documented finishes
DIN 34814 ex DIN 934	Polyamide	Not applicable	Natural colour
DIN 934	Stainless A5 · 1.4571	To be specified	To be specified
DIN 934	Duplex · 1.4462	To be specified	To be specified
DIN 934	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

ISO 4032:2023

Main standard used for the dimensions in this data sheet.

DIN 934:1987

Withdrawn standard. At M12: DIN width across flats 19 and nominal height 10 mm; ISO width 18 and maximum height 10.8 mm. Check space requirements before substitution.

UNI 5588:1965

Withdrawn without replacement on 31 March 1995. Historical hexagon-nut reference; check dimensions against the current ISO edition.