Hexagon high nut, style 2

A high nut for joints requiring greater thread engagement height than a regular nut. Select the standard, property class and envelope: height alone does not determine joint strength or make the nut self-locking.

UNI 5587

Dimensional range

M6-M36

Thread

Metric · coarse pitch

Configuration

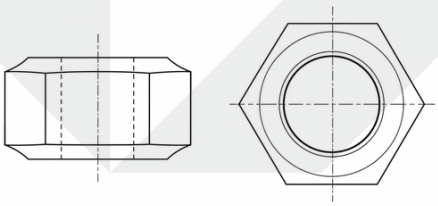
Style 2 · high nut

References

UNI 5587



Technical drawing



d

nominal diameter

P

coarse pitch

s

maximum width across flats

m max.

maximum height

Variants and dimensional data

Verified commercial selection: M6, M8, M10, M12, M16, M20, M24, M30 and M36. The table gives maximum width across flats and height for the selected series; other sizes, classes and finishes on request.

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

M	Pitch P	s	m max.
6	1	10	5.7
8	1.25	13	7.5
10	1.5	16	9.3
12	1.75	18	12
16	2	24	16.4
20	2.5	30	20.3
24	3	36	23.9
30	3.5	46	28.6
36	4	55	34.7

Commercial selection dimensions do not replace the complete supply specification. Check bolt projection beyond the nut, effective thread engagement and tool clearance.

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
UNI 5587	Steel	To be specified	Black oxide; GEOMET 321A; Hot-dip galvanized; Plain; Trivalent iridescent zinc plated; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated; Zinc plated ≥12 µm; Zinc plated ≥8 µm; Zinc plated ≥9 µm
UNI 5587	Stainless A2	To be specified	To be specified
UNI 5587	Steel	10	GEOMET 321A; Hot-dip galvanized; Plain; Yellow zinc plated; Zinc plated
ISO 8674	Steel	10	GEOMET 321A
UNI 5587	Stainless A4	To be specified	To be specified
UNI 5587	Stainless A4	80	To be specified
ISO 4033	Steel	10	GEOMET 321A; Zinc plated
UNI 5587	Brass	Not applicable	Nickel plated; To be specified; 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

ISO 4033:2023

ISO 4033 identifies style-2 high nuts with coarse pitch. The standard covers more sizes than the commercial selection configured here. UNI 5587 has a separate data sheet: widths across flats and heights do not match at every size.

UNI 5587

Related commercial series with its own geometry. Examples: M10 has 17 mm flats in the commercial UNI series and 16 mm in ISO; M16 is 16 mm high in UNI and up to 16.4 mm in the ISO selection. Compare before substitution.