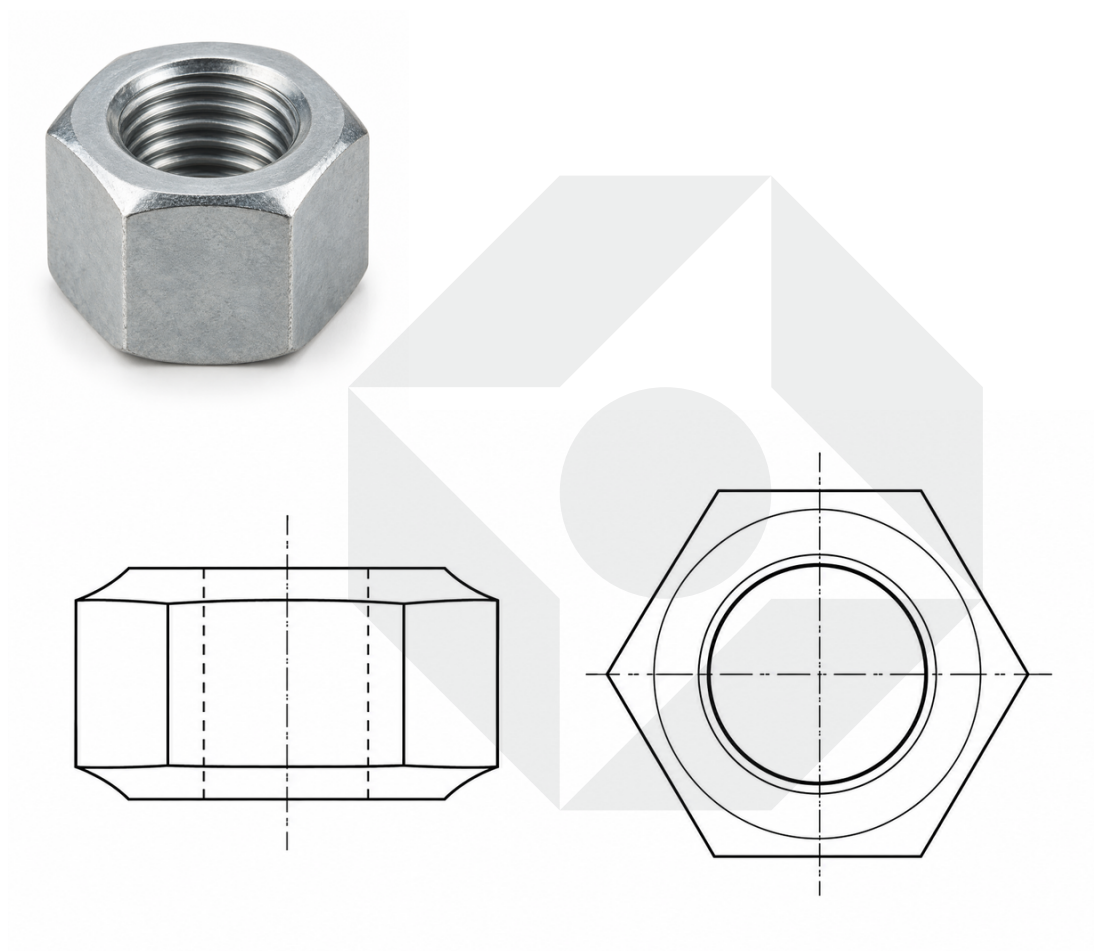


ISO 4033:2023

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.

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.



d: nominal diameter · P: coarse pitch · s: maximum width across flats · m max.: maximum height

Identification drawing, not a manufacturing drawing.

Dimensional range

Dimensions in millimetres.

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



Materials and classes

Material	Class / hardness	M	Supply
Steel to mechanical specification	12	M6–M36	On request

Finishes and treatments

Finish	Material	Class	M
Plain / as manufactured	Steel to mechanical specification	12	M6–M36

Select the finish for the material/property-class combination. Hydrogen relief and lubrication are separate process requirements, not certificates and not implied by the coating name.



Standards, documents and enquiry

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

Class 12 is a nut property class, not bolt class 12.9. Match bolt and nut to mechanical requirements, diameter, pitch and joint conditions. Do not infer strength from the high profile alone.

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.

Supply documentation

Declaration of conformity; Material certificate; EN 10204 2.2 test report; EN 10204 3.1 inspection certificate; Dimensional inspection report; Coating report; Other documentation

Documents are subject to order agreement; no batch certificate is automatically included.

Related components

UNI 5587, ISO 4032, ISO 4035, ISO 4014. Match nominal diameter, pitch, strength, material, finish and joint conditions.

Request a quote

Specify standard, diameter, pitch and length where applicable, material, property class or hardness, finish, quantity and documents. Other sizes and dedicated production can be assessed on request, with agreed minimum quantities.

Reference technical configurations: these do not represent stock quantities.

Other materials and specifications

For requirements beyond the tabulated combinations, enquire about aluminium, brass, nylon, duplex, superduplex or an ASTM specification. Alloy or grade, dimensions, mechanical requirements and finish are defined for the enquiry; the geometric reference does not automatically imply conformity with the product standard.