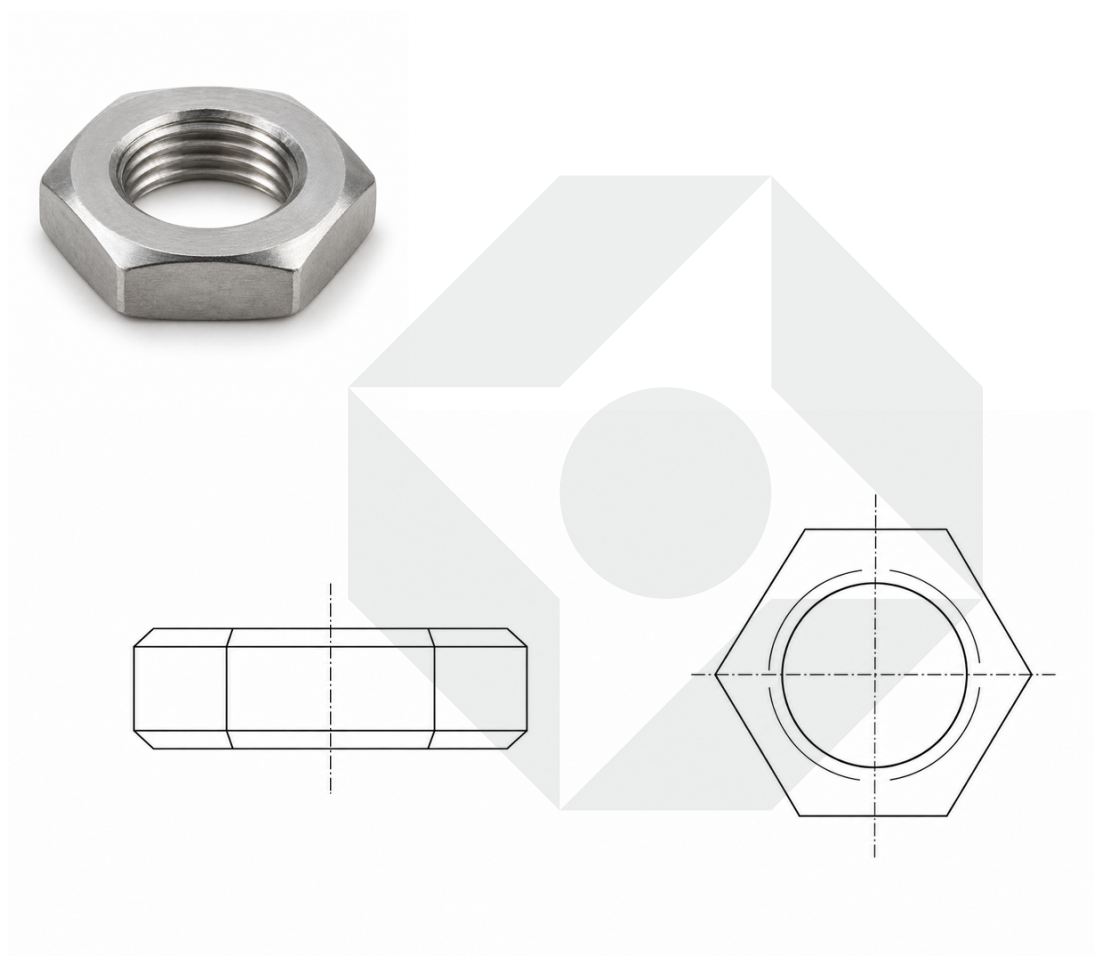


ISO 8675:2023

Fine-pitch hexagon thin nut

A thin profile for adjustment and jam-nut applications on metric fine threads. Always specify both diameter and pitch: M12 × 1.5 and M12 × 1.25 are not interchangeable. In jam-nut applications, use the thin nut together with a regular or high nut.

ISO 8675:2023 dimensions from M8 to M39, covering 19 diameter/pitch pairs. Configurable supply combinations are listed separately. Other diameters and pitches on request.



d: nominal diameter · P: fine pitch · s: maximum width across flats · m: minimum and maximum height

Identification drawing, not a manufacturing drawing.

Dimensional range

Dimensions in millimetres.

M	Pitch P	s	m min.	m max.
8	1	13	3.7	4
10	1.25	16	4.7	5
10	1	16	4.7	5
12	1.5	18	5.7	6
12	1.25	18	5.7	6
14	1.5	21	6.42	7
16	1.5	24	7.42	8
18	2	27	8.42	9
18	1.5	27	8.42	9
20	2	30	9.1	10
20	1.5	30	9.1	10
22	2	34	9.9	11
22	1.5	34	9.9	11
24	2	36	10.9	12
27	2	41	12.4	13.5
30	2	46	13.9	15
33	2	50	15.4	16.5
36	3	55	16.9	18
39	3	60	18.2	19.5

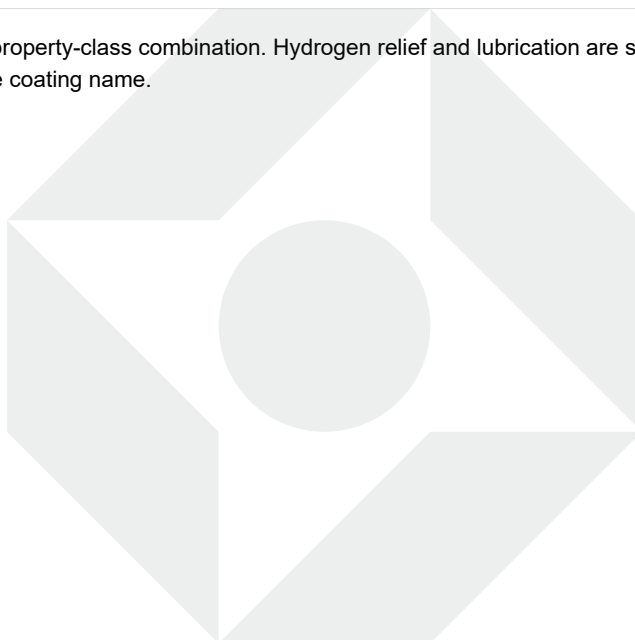
Materials and classes

Material	Class / hardness	M	Supply
Steel to mechanical specification	04	M8 × 1, M10 × 1, M12 × 1.5, M16 × 1.5, M20 × 1.5, M24 × 2	On request

Finishes and treatments

Finish	Material	Class	M
Black oxide	Steel to mechanical specification	04	M8 × 1, M10 × 1, M12 × 1.5, M16 × 1.5, M20 × 1.5, M24 × 2
Zinc plated, blue passivated	Steel to mechanical specification	04	M8 × 1, M10 × 1, M12 × 1.5, M16 × 1.5, M20 × 1.5, M24 × 2

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

The thin profile has reduced loadability. Class 04 is not class 4, 4.8 or 8: retain the leading zero. Jam-nut use requires an appropriate joint arrangement and a defined tightening procedure.

Do not automatically apply the bolt 8.8 / nut 8 pairing to this nut. Assess the connection using effective nut height and thread-stripping resistance.

DIN 439 B

Historical commercial reference also used for fine-pitch versions. DIN widths across flats may differ from ISO, particularly at M10, M12, M14 and M22: specify standard and pitch when ordering.

ISO 4035:2023

Separate coarse-pitch family. A matching nominal diameter does not make coarse and fine threads interchangeable.

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

ISO 4035, ISO 4032, DIN 6334. The linked coarse-pitch references are family comparisons, not compatible threaded counterparts. Select the same diameter and fine pitch for the actual joint.

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.