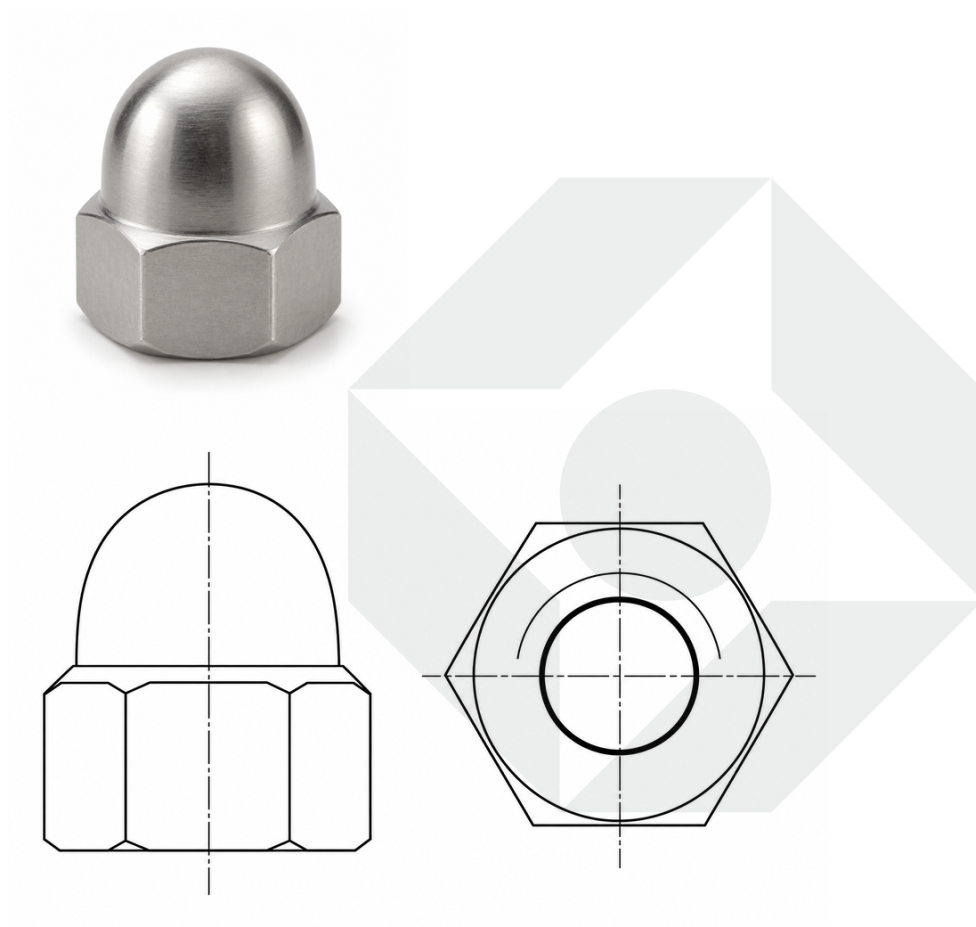


DIN 1587:2021-11

Hexagon domed cap nut, high type

The closed dome covers the screw end and reduces exposed thread. This high form has a hexagonal base: select thread size, spanner size and envelope around the actual screw projection.

Commercial reference dimensions M4–M24. Across flats M10:16, M12:18 and M14:21 mm; older supplies may differ. Other sizes and materials on request.



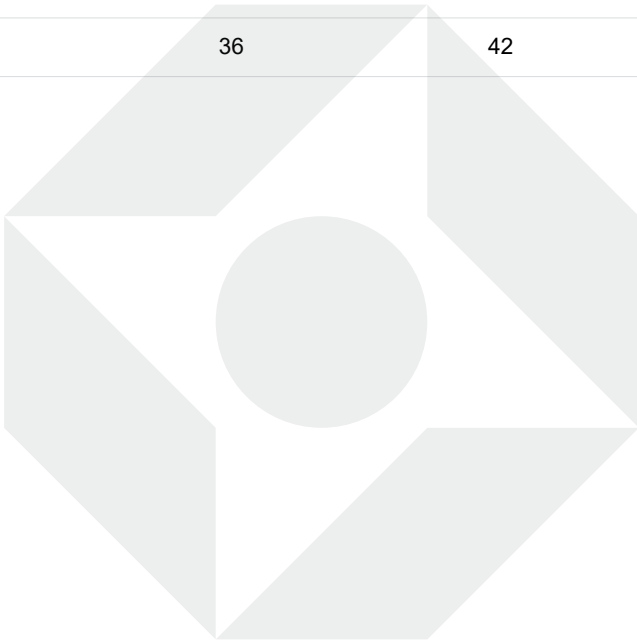
d: internal thread · P: pitch · s: width across flats · h: overall height · m: hexagon base height

Identification drawing, not a manufacturing drawing.

Dimensional range

Dimensions in millimetres.

M	Pitch P	s	h max.	m max.
4	0.7	7	8	3.2
5	0.8	8	10	4
6	1	10	12	5
8	1.25	13	15	6.5
10	1.5	16	18	8
12	1.75	18	22	10
14	2	21	25	11
16	2	24	28	13
20	2.5	30	34	16
24	3	36	42	19



Materials and classes

Material	Class / hardness	M	Supply
Steel to mechanical specification	8	M4–M24	On request

Finishes and treatments

Finish	Material	Class	M
Plain / as manufactured	Steel to mechanical specification	8	M4–M24

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

External height h is not the usable blind-hole depth. Check screw projection, thread engagement and clearance before the closed end: a screw bottoming against the dome can prevent correct clamping.

The cap does not automatically seal or lock the joint. Sealing or locking requires a specified solution. Confirm nut property class and compatibility with the screw for the supplied product.

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 4032, DIN 6334, 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.

