

Hexagon nut with smooth flange

An integral flange with a smooth, non-serrated bearing face. It provides a wider bearing area than the hexagonal body.

EN 1661

Dimensional range

M5-M16

Thread

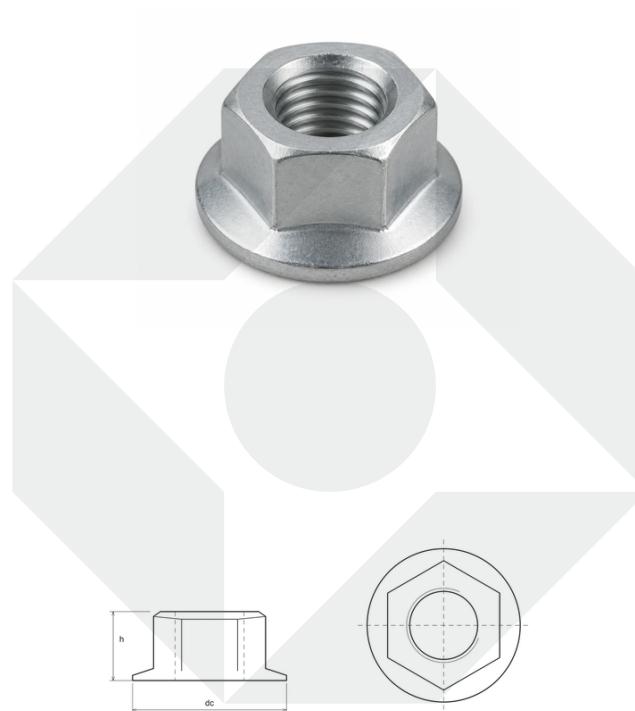
Metric · coarse pitch

Configuration

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References

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Technical drawing

d
thread
P
pitch
s
wrench size
h max.
overall height
dc max.
flange diameter.

Variants and dimensional data

The table identifies the reference technical selection. The supply configuration is reviewed against the enquiry.

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

M	Pitch P	s	h max.	dc max. flange
5	0.8	8	5	11.8
6	1	10	6	14.2
8	1.25	13	8	17.9
10	1.5	15	10	21.8
12	1.75	18	12	26
14	2	21	14	29.9
16	2	24	16	34.5

A smooth flange is not a prevailing-torque feature and is not equivalent to the serrated design. The M10 wrench size in this selection is 15 mm: check differences from EN designs before substitution.

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 6923	Stainless A2	To be specified	To be specified
DIN 6923 NS (flangia liscia / smooth flange)	Stainless A2	To be specified	To be specified
DIN 6923 NS (flangia liscia / smooth flange)	Stainless A4	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

DIN 6923

Geometry of the documented technical selection. Check the supplied product drawing before substitution; universal equivalence with other designs is not claimed.

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Related reference, not automatic equivalence: check wrench size and dimensional requirements of the requested design.