Thin hexagon nut with pipe thread

A thin nut for parallel G pipe threads, form B. The nominal pipe size identifies a thread series and is not the metric diameter of the bore.

Dimensional range

G 1/4-G 2 · selection

Thread

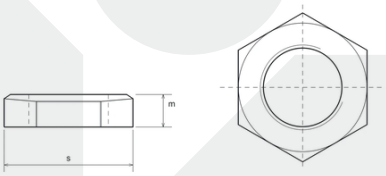
Parallel pipe G · ISO 228-1

Configuration

Thin hexagon nut with pipe thread



Technical drawing



G

pipe thread designation

P

pitch in mm

da

entry diameter

dw

bearing diameter

e

width across corners

m

height

s

wrench size.

https://www.dueemmesidol.it/en/products/standard-fasteners/nuts/din-431/

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.

G thread	Pitch P	da max.	dw min. bearing	e min.	m min.	m max.	s min.	s max.
G 1/4	1.337	14.2	19.1	22.78	6	6.48	20.16	21
G 3/8	1.337	18	24.8	29.56	7	7.58	26.16	27
G 1/2	1.814	22.6	31.3	37.29	8	8.58	33	34
G 3/4	1.814	28.6	32.3	39.55	9	9.58	35	36
G 2	2.309	64.4	69.4	82.6	13	13.7	73.1	75

Not interchangeable with a metric nut of the same numerical size. A parallel G thread does not itself provide thread sealing: any sealing arrangement requires designed faces and seals. Verify form A/B, wrench size and height for the supply.

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 431	Stainless A2	To be specified	To be specified
DIN 431	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 431

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