Round-wing nut

Hand tightening for accessible adjustment and fastening points; cast design with rounded wings.

Dimensional range

M4-M16

Thread

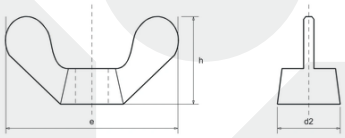
Metric · coarse pitch

Configuration

Round-wing nut



Technical drawing



e

wing span

h

overall height

d2

body diameter

m

body height. Approximate cast-version dimensions.

Variants and dimensional data

Reference sizes are listed in the table. Other diameters, pitches, materials and finishes are available on request, subject to an agreed supply specification.

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

M	Pitch P	e	h	d2	m
4	0.7	19	9.5	7	3.9
5	0.8	25	12	9.5	5.3
6	1	31.5	16	11.5	6.5
8	1.25	37.5	19	14.5	8.3
10	1.5	49.5	24	18.5	10
12	1.75	63.5	32.3	21.5	12
16	2	71.5	36.3	27.5	15

Do not confuse the cast DIN 315 design with stamped American-type wings or the commercial UNI 5448 series: shape and envelope can differ. Do not apply tool-tightened hexagon-nut torque values.

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
sim. DIN 315 / UNI 5448	Steel	To be specified	Black oxide; Brass plated; GEOMET 321A; Nickel plated; Plain; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated; Zinc plated ≥12 µm
sim. DIN 315 / UNI 5448	Stainless A2	To be specified	To be specified
sim. DIN 315 / UNI 5448	Stainless A4	To be specified	To be specified
sim. DIN 315 / UNI 5448	Brass	Not applicable	To be specified
DIN 315	Polyamide	Not applicable	Natural colour

“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 315

Dimensions of the specified commercial selection do not replace a manufacturing drawing or the complete supply specification.