

DIN 315

Wing nuts



Standard	DIN 315		
Product Type	Wing nuts		
Material	Carbon Steel, Stainless Steel		
Property Class	6, 8, 10 (ISO 898-2) · A2-70, A4-80 (ISO 3506-2)		
Surface Finish	Zinc Plated, Plain, Passivated		
Size Range	M4 - M24	Thread	ISO metric coarse pitch

BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

Carbon steel / Alloy steel mechanical properties to	ISO 898-2:2022
Stainless steel mechanical properties to	ISO 3506-2:2020
Dimensions edition	to be agreed

PROPERTY CLASSES

REQUIRED VALUES PER ISO 898-2

Class	Governing property	Source
6	Proof load - no tensile strength specified for nuts	ISO 898-2
8	Proof load - no tensile strength specified for nuts	ISO 898-2
10	Proof load - no tensile strength specified for nuts	ISO 898-2

PROPERTY CLASSES

REQUIRED VALUES PER ISO 3506-2

Class	Governing property	Source
A2-70	Proof load - no tensile strength specified for nuts	ISO 3506-2
A4-80	Proof load - no tensile strength specified for nuts	ISO 3506-2

DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d Diameter - mm	P Thread Pitch - mm	(max) Hub Diameter - mm	(max) Overall Wing Span - mm	(max) Wing Thickness - mm	(max) Wing Height - mm	Body Width - mm
M4	0.7	8	20	1.9	10.5	8
M5	0.8	11	26	2.3	13	10
M6	1	13	33	2.3	17	12
M8	1.25	16	39	2.8	20	16
M10	1.5	20	51	4.4	25	20
M12	1.75	23	65	4.9	33.5	23
M16	2	29	73	6.4	37.5	28
M20	2.5	35	90	6.9	46.5	36
M24	3	44	110	9.4	56.5	45

FURTHER SIZES IN THIS STANDARD

ALL DIMENSIONS PER THE STANDARD

Not held in stock. Available to order; minimum order quantity applies.

d Diameter - mm	P Thread Pitch - mm	(max) Hub Diameter - mm	(max) Overall Wing Span - mm	(max) Wing Thickness - mm	(max) Wing Height - mm	Body Width - mm
M14	2	28	72	6	36	23

MARKING
Steel — Not mandatory on the part; required on the package

What	No head marking is specified. The standard fixes a written designation instead, and the property class or material symbol inside it comes from the referenced DIN 267 part or ISO material standard.
Where	In the written designation on the order and the certificate, not on the part
Sizes	All sizes
Clause	DIN product standards of the 1970s and 1980s, read page by page 2026-09-22, The Designation clause of the standard concerned

Clause 2 of DIN 315:1983-06 sets no marking symbol; the material symbol is written into the designation instead: Wing nut DIN 315 - M 6 - GT - C.

Three material routes each have their own symbol: GT is malleable cast iron GTS-35-10 to DIN 1692, steel takes nut property class 5 to DIN ISO 898 Part 2, and CuZn is copper-zinc casting alloy G-CuZn40 Fe to DIN 1709.

Product classes are B and C only, with no A: B was previously type mg with a machined bearing face, C was previously type g with an unmachined bearing face.

The Explanatory notes record that weight specifications were dropped from this standard because the wide tolerance ranges do not permit weights that would give any useful information, so no mass may be quoted as a standard value for this product.

Confirm the ordered property class before production.

INSPECTION DOCUMENTS WE CAN ISSUE

EN 10204 3.1 material certificate	Can be included when agreed in the order.
Dimensional inspection report	Can be provided for the agreed inspection scope.
Certificate of conformity	Can be issued against the confirmed order requirements.
Mechanical test report	Available when the required tests are agreed before production.
Chemical analysis report	Available when the material verification scope is agreed.
Coating inspection report	Can record the coating checks agreed for the order.

REFERENCES & NOTES

Note: Dimensional values follow the selected execution standard. Material properties and batch test results are included only when declared or supported by the applicable certificate or test report.