

DIN 557

Square nuts



Standard	DIN 557		
Product Type	Square nuts		
Material	Stainless Steel, Carbon Steel		
Property Class	A4-80, A2-70 (ISO 3506-2) · 6, 8, 10 (ISO 898-2)		
Surface Finish	Passivated, Plain, Zinc Plated		
Size Range	M5 - M16	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 3506-2

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

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

DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d	P	dw (min)	e (max)	e (min)	m	m (min)	(min)	s (max)	s (min)
Diameter - mm	Thread Pitch - mm	Bearing Diameter - mm	Width Across Corners - mm	Width Across Corners - mm	Nut Height - mm	Nut Height - mm	Wrenching Height - mm	Width Across Flats - mm	Width Across Flats - mm
M5	0.8	6.7	11.3	9.93	4	3.52	2.5	8	7.64
M6	1	8.7	14.1	12.53	5	4.52	3.2	10	9.64
M8	1.25	11.5	18.4	16.34	6.5	5.92	4.1	13	12.57
M10	1.5	14.5	24	21.54	8	7.42	5.2	17	16.57
M12	1.75	16.5	26.9	24.02	10	9.42	6.6	19	18.57
M16	2	22	33.9	30.11	13	12.3	8.6	24	23.16

MARKING

Carbon steel / Alloy steel	Head marking to ISO 898-2:2022
Stainless steel	Head marking to ISO 3506-2:2020

Marking requirements are set by the material standard named above, not by the product standard. 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.