

DIN 965

Cross Recessed Countersunk Head Screw



Standard	DIN 965		
Product Type	Cross Recessed Countersunk Head Screw		
Material	Stainless Steel, Carbon Steel		
Property Class	A2-70 (ISO 3506-1) · 4.8 (ISO 898-1)		
Surface Finish	Passivated, Plain, Zinc Plated, Nickel Plated		
Size Range	M1.6 - M10	Length Range	6-300 mm
Thread	ISO metric coarse pitch		

BASIS OF SPECIFICATION

WHICH STANDARD GOVERNS WHAT

Dimensions to	DIN 965:1990-08
Carbon steel / Alloy steel mechanical properties to	DIN ISO 898 part 1
Stainless steel mechanical properties to	ISO 3506-1:2020
Length tolerance	to be agreed
Thread length	to be agreed
Minimum usable thread length	to be agreed

MECHANICAL PROPERTIES

REQUIRED VALUES PER ISO 3506-1

Class	Rm min.	Yield requirement	Elongation requirement	Hardness	Source
A2-70	700 MPa	Rp0.2 min. 450 MPa	0,4d mm	-	ISO 3506-1

MECHANICAL PROPERTIES

REQUIRED VALUES PER ISO 898-1

Class	Rm min.	Yield requirement	Elongation requirement	Hardness	Source
4.8	420 MPa	Rpf min. 340 MPa (not a test value)	Af min. 0.24	130 - 220 HV	ISO 898-1

DIMENSIONAL DATA - SIZES WE SUPPLY

ALL DIMENSIONS PER THE STANDARD

d Diameter - mm	P Thread Pitch - mm	dk Head Diameter - mm	k Nominal Head Height - mm
M3	0.5	5.6	1.65
M4	0.7	7.5	2.2
M5	0.8	9.2	2.5
M6	1	11	3
M8	1.25	14.5	4
M10	1.5	18	5

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	dk Head Diameter - mm	k Nominal Head Height - mm
M1.6	0.35	3	0.96
M2	0.4	3.8	1.2
M2.5	0.45	4.7	1.5
M3.5	0.6	6.5	1.93

MARKING

Carbon steel / Alloy steel Head marking to DIN ISO 898 part 1

Stainless steel Head marking to ISO 3506-1:2020

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Note: DIN 965 is a withdrawn legacy standard. No current counterpart is recorded for this product. Confirm the dimensions that matter to your assembly before substituting another standard.