

PRODUCT DATASHEET

A2 Bi-Metal Lowered Dome Head



Product Details

Purpose:	Fixing components, brackets and miscellaneous hardware to light gauge steel substrates where a low profile or anti-slag head is required. Also suitable where dissimilar metals are being used or superior corrosion resistance is required.
Head style and drive:	12mm \varnothing low profile (3.40mm) domed head
Recess Type:	Torx 25
Thread Form:	Coarse thread (pitch = 1.8mm approx.)
Drill Point:	TEK 5
Drilling Capacity:	4.0-12.0mm
Material Grade:	EN 1.4301, AISI 304, A2 Stainless Steel
Coating:	5 μ m electroplated zinc
Recommended Drill Speed:	1500 - 2500RPM

General Physical Characteristics

SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Effective Thread Length, L_{thread} (mm)	Washer (mm)
A2LDH12-5.5-38-5	5.5 x 38.0mm	Full	12.0mm

Technical Data

TEK 5 range - unfactored pull out values

Diameter	Steel Thickness					
	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	6,500 N	7,800 N	10,000 N	11,500 N	12,000 N	12,400 N

Ultimate Mechanical Properties

Property	Magnitude
Tensile Capacity, (F_{ult}, R_k)	10,600 N
Shear Capacity, (V_{ult}, R_k)	6,700 N

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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