

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-snap 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 3
Drilling Capacity:	1.2-4.0mm
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)
A2LDH5.5-25-3	5.5 x 25.0mm	Full	None
A2LDH6.3-25-3	6.3 x 25.0mm		
A2LDH5.5-38-3	5.5 x 38.0mm		
A2LDH5.5-50-3	5.5 x 50.0mm		
A2LDH5.5-60-3	5.5 x 60.0mm		
A2LDH5.5-80-3	5.5 x 80.0mm		
A2LDH5.5-100-3	5.5 x 100.0mm		
SKU	Nominal Dimensions $d_{nom} \times L_{nom}$ (mm)	Effective Thread Length, L_{thread} (mm)	Washer (mm)
A2LDH12-5.5-25-3	5.5 x 25.0mm	Full	12.0mm
A2LDH12-5.5-38-3	5.5 x 38.0mm		
A2LDH12-5.5-50-3	5.5 x 50.0mm		
A2LDH12-5.5-60-3	5.5 x 60.0mm		

Technical Data

TEK 3 range - unfactored pull out values

Diameter	Steel Thickness					
	1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	1,700 N	2,100 N	2,500 N	3,200 N	4,300 N	5,500 N
6.3mm	1,900 N	2,400 N	3,200 N	4,000 N	4,900 N	6,500 N

Ultimate Mechanical Properties

Property	Magnitude	
	5.5mm	6.3mm
Tensile Capacity, (F_{ult} , R_k)	10,600 N	12,100 N
Shear Capacity, (V_{ult} , R_k)	6,700 N	7,700 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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