



PRODUCT DATASHEET

BI-METAL DRYWALL SCREWS

PRODUCT DETAILS

Purpose:	Fixing plaster board (and cementitious boards) to steel track and timber substrates in humid atmospheres
Head style:	Double countersunk with nibs
Recess type:	Phillips No. 2
Thread type:	Hi - Low Thread
Shank/ Head Material:	EN 1.4301/ A2 Grade (AISI 304)
Drill Point Material:	Carbon steel SAE C1022
Coating:	Electroplated Zinc $\geq 5\mu\text{m}$
Recommended Drill Speed:	1500-2500RPM

Bi-Metal Drywall Screw Range

Product Code	Size	Drill Point	Effective Thread Length	Drilling Capacity
BMDW4.8-32	4.8 x 32mm	TEK 2	22.0mm	0.6 - 2.5mm
BMDW4.8-42	4.8 x 42mm	TEK 2	32.0mm	0.6 - 2.5mm
BMDW4.8-50	4.8 x 50mm	TEK 2	40.0mm	0.6 - 2.5mm
BMDW4.8-70	4.8 x 70mm	TEK 2	60.0mm	0.6 - 2.5mm

Technical Data

Ultimate pull out values (S275 JR Mild Steel)

Nominal diameter	Steel Thickness					
	0.7mm	1.0mm	1.2mm	1.5mm	2.0mm	2.5mm
4.8mm	1,100N	1,200N	1,600N	1,800N	2,200N	3,600N

Ultimate pull out values (C16 Timber)

Nominal diameter	Timber Embedment Depth	
	27.0mm	35.0mm
4.8mm	2,600N	3,000N

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
4.8mm	9,020 N	5,350 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-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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