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BAFD

CERTIFIED ISO 9001

evolution

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PRODUCT DATASHEET

Bugle Head Self-Drill Drywall Screw

Product Details

Purpose:	Fixing plasterboard to heavier gauge metal section (up to 2.5mm)
Head style:	Bugle
Thread Form:	Twin, Fine thread
Drive bit:	Phillips 2
Drill point:	Self drill point
Coating:	Electroplated zinc
Shank material:	Carbon Steel
Material grade:	SAE C1022
Recommended drill speed:	2000-3000RPM

Bugle Head Self-Drill Drywall Screws - Products for use in Heavier Gauge Steel (0.6mm to 2.5mm mild steel)

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Fixture Thickness (mm)
DWSDZ25	3.5 x 25.0	Fully Threaded	12.0
DWSDZ32	3.5 x 32.0	Fully Threaded	15.0
DWSDZ38	3.5 x 38.0	Fully Threaded	20.0
DWSDZ42	3.5 x 42.0	Fully Threaded	25.0
DWSDZ50	3.5 x 50.0	Fully Threaded	35.0
DWSDZ65	4.2 x 65.0	Fully Threaded	50.0
DWSDZ75	4.2 x 75.0	50.0	60.0
DWSDZ90	4.8 x 90.0	60.0	75.0
DWSDZ100	4.8 x 100.0	60.0	85.0
DWSDZ125	4.8 x 125.0	80.0	110.0

Ultimate Withdrawal Resistance, N_{Rk}, from S355JR Steel (N)

Diameter	Nominal Substrate Thickness, t_{nom}		
	1.2mm	1.6mm	2.5mm
3.5mm	1,500 N	2,000 N	4,000 N
4.2mm	1,700 N	2,200 N	4,500 N
4.8mm	1,800 N	2,200 N	4,800 N

Ultimate Mechcnical Performance

Property	Nominal Fastener Diameter		
	3.5mm	4.2mm	4.8mm
Tensile Capacity, (F_{ult},R_k)	7,300N	11,000 N	14,200 N
Shear Capacity, (V_{ult},R_k)	5,000N	7,500 N	9,800 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.