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# PRODUCT DATASHEET

## COARSE THREAD DRYWALL SCREW (PHOSPHATE)

### Product Details

Designed for: *Fixing plasterboard to timber*  
 Head style: *Bugle*  
 Drive bit: *Phillips 2*  
 Drill point: *Super sharp point*  
 Thread form: *Single*  
 Coating: *Black phosphate*  
 Shank material: *Carbon steel*  
 Material grade: *AISI C1022*



### Coarse Thread Phosphate Coated Drywall Range (in mm unless otherwise stated)

Product Code	Nominal Dimensions	Effective Thread Length	Rec. Drill Speed (RPM)	Max. Fixture Thickness
DWSC25	3.5 x 25.0	Full	3,000 – 4,000	15
DWSC32	3.5 x 32.0	Full	3,000 – 4,000	22
DWSC35	3.5 x 35.0	Full	3,000 – 4,000	22
DWSC38	3.5 x 38.0	Full	3,000 – 4,000	28
DWSC42	3.5 x 42.0	Full	3,000 – 4,000	32
DWSC50	3.5 x 50.0	Full	3,000 – 4,000	40
DWSC65	4.2 x 65.0	50.0	3,000 – 4,000	55
DWSC75	4.2 x 75.0	50.0	3,000 – 4,000	65
DWSC90	4.8 x 90.0	60.0	3,000 – 4,000	80
DWSC100	4.8 x 100.0	60.0	3,000 – 4,000	90
DWSC110	4.8 x 110.0	60.0	3,000 – 4,000	100
DWSC120	4.8 x 120.0	60.0	3,000 – 4,000	110
DWSC130	4.8 x 130.0	60.0	3,000 – 4,000	120
DWSC150	4.8 x 150.0	60.0	3,000 – 4,000	140
DWSC170	4.8 x 170.0	60.0	3,000 – 4,000	160

**NOTE:** The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/ her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).

Errors and Omissions Excepted.



## Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
3.5mm	580.0HV	470.0HV
4.2mm	630.0HV	460.0HV
4.8mm	590.0HV	480.0HV

Ultimate mechanical performance		
Diameter	Tensile Strength	Shear Strength
3.5mm	6.5kN	4.5kN
4.2mm	8.0kN	5.2kN
4.8mm	10.5kN	6.6kN

Ultimate pull out values			
Diameter	Timber embedment		
	25mm	30.0mm	40.0mm
3.5mm	2.8kN	n/a	n/a
4.2mm	3.0kN	4.0kN	4.8kN
4.8mm	3.4kN	4.0kN	5.8kN