

CARBON STEEL

Material Specification

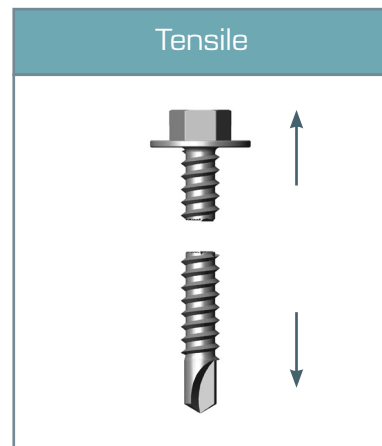
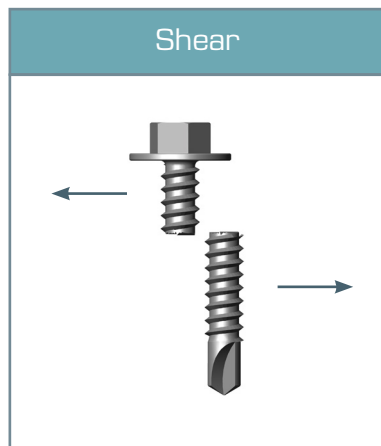
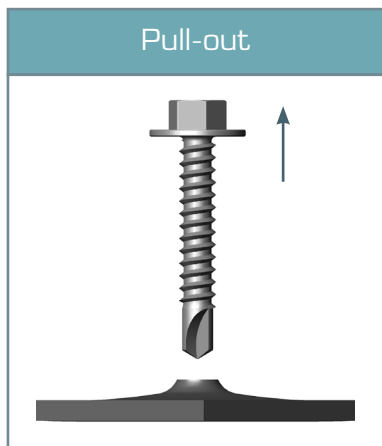
- Manufactured from high quality medium carbon cold forming steel
- Heat treated to give high quality drilling performance and mechanical strength

Coating Specification

- Coating consists of 4 microns zinc followed by Ruspert - Type 2 -1000 S.S.T.
- Kesternich (sulphur dioxide) testing is performed as per DIN 50018
- Salt Spray Testing performance between 800 & 1000 hours

Pull-out Performance

- Pull-out testing from 6.0mm steel or greater, the limiting factor is the tensile strength of the fixing
- *Steel & timber of different grades may provide different results*



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Ultimate Pull-out Values (kN)

Code	Drilling Capacity	Steel Grade & Thickness (mm)								
		390N/mm ²	450N/mm ²							43a
	(mm)	AG40 (1.25)	1.2	1.4	1.6	1.8	2	2.5	3	6
CPLS	1.2 - 3.2		2.42	3.16	3.49	4.16	4.78	7.71	9.04	-
LS	1.2 - 3.2	2.91	2.32	2.74	3.76	4.13	5.15	7.05	8.60	-
CPHS	4.0 - 12.0	-	-	-	-	-	-	-	-	19.00
HS	4.0 - 12.0	-	-	-	-	-	-	-	-	17.67

For low profile data please contact Ash & Lacy's Technical department

Ultimate Pull-out Values (kN)

Code	Drilling Capacity (mm)	Timber Grade & Embedment Depth (mm)			
		C16 Structural			
		40	50	60	70
TF	0.7mm to Timber	3.56	4.44	5.34	6.32

Ultimate Performance

Screw Diameter (mm)	Steel Thickness (mm)	Ultimate Shear Strength	Ultimate Tensile Strength
4.8	1.20 - 3.0	6.10	8.60
5.5	1.25 - 3.0	9.00	12.60
5.5	4.0 - 12.0	9.30	17.67
6.3	0.7mm to Timber	11.50	18.00