

# R-CWT-55-HG Csk Wing Tip Self-drill Screw Ruspert Heavy Gauge <12.5mm



**PRODUCT INFORMATION**

5.5MM CARBON STEEL RUSPERT  
 CARBON STEEL WITH HARDENED DRILL POINT  
 DRILL POINT NO.5 4.0-12.5MM  
 SURFACE HARDNESS MIN. 560 HV0.3  
 CORE HARDNESS MIN. 270 MAX. 425 HV5  
 RECOMMENDED DRILL SPEED 1000-1800 RPM

**APPLICATIONS**

TIMBER TO STEEL CONNECTIONS  
 RENDER/SHEATHING BOARDS TO HEAVY SECTION STEEL FRAMING SYSTEMS

TORSIONAL STRENGTH CWT-55 9.8Nm

Screw Diameter	d	mm	5.5
Min. Substrate Thickness	h <sub>min</sub>	mm	4.0
Max. Substrate Thickness	h <sub>max</sub>	mm	12.5
Min. Spacing	S <sub>min</sub>	mm	30
Min. Edge	C <sub>min</sub>	mm	10
Drive	Sw	mm	TX25

**Installation Guide**

1. Screw must be used at 90 degrees to substrate
2. Correct drive must be used
3. Lowest torque setting on impact screwdriver to start
4. Use a cordless impact driver
5. Use screw gun with load capacity of 1000-1800 RPM with regulated torque




Length (mm)	40	50	65	85	100	120	150
Min. Fix. Thickness (mm)	10	10	10	10	10	30	50
Max. Fix. Thickness (mm)	10	20	35	55	70	92	122

**Steel Thickness**

1.0MM	1.5MM	2.0MM	2.5MM	3.0MM	4.0MM	5.0MM	6.0MM	8.0MM	10.0MM	12.0MM
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**Pull out values**

AVE. ULT.						9.24	17.20	17.20	17.20	17.20	17.20
CHAR.						7.70	14.33	14.33	14.33	14.33	14.33
DESIGN						5.50	10.24	10.24	10.24	10.24	10.24
REC.						3.93	7.31	7.31	7.31	7.31	7.31

CARBON STEEL RUSPERT DRILL POINT	SIZE	TORQUE STRENGTH Nm 	TENSILE STRENGTH kN 	SHEAR STRENGTH kN 
No.3	4.8	6.50	9.83	5.74
	5.5	9.80	14.08	8.27
	6.3	15.40	17.10	11.86
No.5	5.5	9.80	14.08	8.27
	6.3	15.40	17.10	11.86

Tests carried out in Rawlplug Technical Dept in Grade S235 Steel section