



SURE-FAST

INDUSTRIAL FASTENERS

Product Data Sheet

FLAT HEAD SELF DRILLING METAL SCREW

- High-strength hardened carbon steel self-drilling fastener for stitching and plate fixing.
- Ultra-low flat head profile avoids sheet buckling or plasterboard face bulging during lining.
- No pre-drilling required; drives cleanly into light and medium gauge structural steel.
- Coating: Sure-Guard™ Class 3 corrosion-resistant Galvanised coating.



PRODUCT CODE	GAUGE & TPI	LENGTH (MM)	DRILL/HEAD TYPE	PER BOX	PULL OUT LOAD (KN) ₁	SHEAR LOAD (KN)
6SDSHC31016	10G - 16	16	PH2 / Flat Top	1000	5.50	8.50

The ultimate pull-out figures shown were achieved when product was installed into 3.5mm Structural Steel Plate.

₁ A safe working load should not exceed 25% of stated ultimate mechanical capacity values.

Ultimate Pull-out capacities by Steel Thickness: 0.75mm = 1.25 kN | 1.20mm = 2.40 kN | 2.00mm = 4.30kN | 3.00mm+ = 5.50 kN

Manufactured to AS3566 - 2002

INSTALLATION

Step 1: Alignment Position the fastener perpendicular (90°) to the metal sheet substrate layout.	Step 2: Tool Velocity Engage a variable-speed drill driver calibrated between 2,300 RPM and 2,500 RPM max.	Step 3: Penetration Apply firm, continuous axial pressure until the TEKS point pierces structural metal (0.75mm - 3.50mm).	Step 4: Seat Check Ensure the clutch cuts out the moment the 1mm flat top head sits perfectly level and flush.
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