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# SQ800® Hex M8-20 Self Drilling Spiral Point Screws CL4

**SQ800®** are a high performance self-drilling screws for connections to steel designed to drill up to 20mm of thickness.

SQ800 screws feature a spiral drill point providing the capacity to drill through steel up to 20mm. The 8mm diameter screw has threads along the full length of the screw – this fine thread will cut its own mating threads into the material to fasten securely in a single action.



**Watch the SQ800® screw drill through 20mm steel plate.**

## INSTALLATION

We recommend the use of a drill driver on low speed, applying constant pressure. Do not use an impact driver as this may damage the screw – it is not recommend to over torque screws.

The drill point must be completely drilled through the joining material to ensure effective installation.

Maximum drilling capacity is for the self drilling and self tapping action of the screw. If elements of more than 20mm thickness are required to be connected, the hole in the top element being connected to the steel needs to be predrilled and 1-2mm oversized.

It is possible to self drill through multiple plates up to 20mm total thickness. However, these plates must be clamped together securely first.

- **Drill Capacity:** 6.0 – 20.0mm for steel and aluminium
- **\*Fixture Range:** this is total thickness of all connected material including the steel substrate. See Technical

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Information table below.

- **Driver Type:** 13mm hex socket
- **Installation Speed:** 1,000 – 1,700 max RPM drill speed

## PHYSICAL CHARACTERISTICS

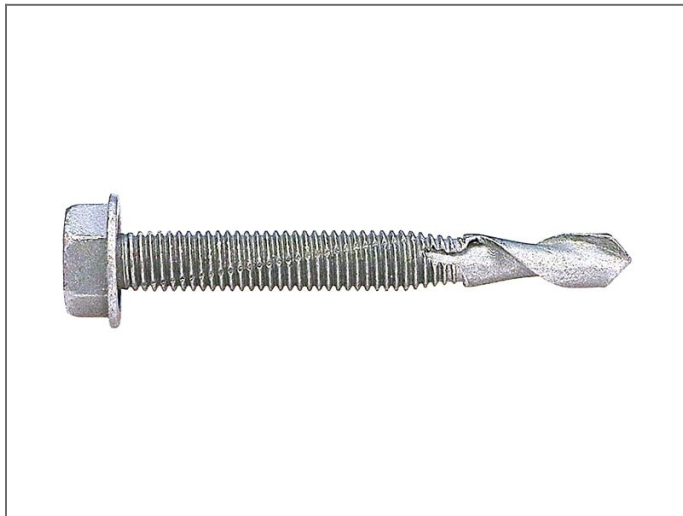
- **Head Type:** Hex washer
- **Point Type:** SQ800 self-drilling spiral point
- **Material:** Carbon steel
- **Finish:** Class 4 high density galvanised
- **Screw Dia:** 8.0mm
- **Washer Dia:** 17.3mm
- **Head Height:** 7.0mm

## MATERIAL COATING

- Class 4 high density galvanized coating conforms to AS3566 and ASTM B695
- Coating thickness to 45 micron minimum
- No hydrogen embrittlement due to galvanising process
- Meets 1500hrs salt spray test

## More Information

<b>Coating &amp; Plating</b>	Class 4 (Mech. Gal)
<b>Material Grade</b>	Carbon Steel
<b>Head Type</b>	Hex Washer
<b>Driver Type</b>	<a href="#">13mm Hex Nutsetter</a>
<b>Diameter / Gauge</b>	M8
<b>Point Type</b>	Spiral Drill Point
<b>Thread Type</b>	Fine
<b>For use with</b>	Steel
<b>Application</b>	Self Drilling Thick Steel, Steel-to-Steel Self Drilling
<b>Use for</b>	Outdoor Structure, Steel to Steel Connections, Structural Fixing, Suspension & Gantry



## Technical Information

SKU	Gauge x Length	Effective Length	Fix. Range*	Coating
1187.0200095	M8-20 x 95mm	63mm	6 - 63mm	CL4 AS 3566
1187.0200125	M8-20 x 125mm	93mm	6 - 93mm	CL4 AS 3566
1187.0200065	M8-20 x 65mm	35mm	6 - 35mm	CL4 AS 3566

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## Documents

SQ800 Spiral Point SD Screws TDS



For updates & pricing visit the website.  
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