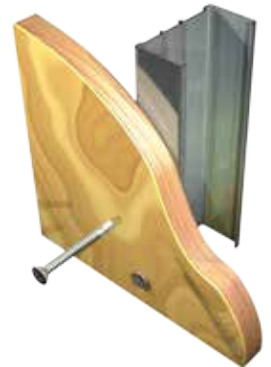


Heavy Gauge Metal (20ga or thicker)**Product #250****Flat Head DRIVALL® Pilot Point Self Drilling
(collated)** (1 OF 2)**Self-drilling fastener for attaching 3/8" to 1-1/8" wood product to 20-10 gauge steel****Finish - Clear Zinc and GRABBERGARD**

Flat Head

#3
Drill Point

LOX #2

#2 Phillips
Drive**APPLICATIONS**

- ▶ Attaching 3/8" to 1-1/8" wood product to steel, 20-10 gauge
- ▶ DensGlass products to steel

PRODUCT FEATURES

- ▶ Superfast #3 drill point
- ▶ Flat head seats flush with fastening surface

SPECIFICATIONS

- ▶ Gauge – #8, #10
- ▶ Lengths – 1-5/8", 1-3/4", 1-7/8", 2"
- ▶ Head Type – Flat
- ▶ Thread Type – Single Lead
- ▶ Recess Type – #2 Phillips and #2 LOX®
- ▶ Finish – Clear Zinc
- ▶ GRABBER® screws are manufactured in an ISO 9001 and ISO 14001 certified and approved factory.

INSTALLATION GUIDELINES

- ▶ Use a standard screwgun or drill. Suggested screwgun specification for optimal performance – 4 amps minimum and RPM range of 0 to 2,500.
- ▶ The Flat head is fully seated when the head is flush with the work surface.
- ▶ Overdriving may result in failure of the fastener or stripout of the work surface.
- ▶ The fastener must penetrate beyond the metal a minimum of three thread pitches.

Heavy Gauge Metal (20ga or thicker)

Product #250

Flat Head DRIVALL® Pilot Point Self Drilling (collated) (1 OF 2)

PRODUCT SIZES AND ORDERING INFORMATION

Catalog No.	Gauge/Length	Length Metric	Quantity Per Carton	Weight Per Carton
CM175SDZJBW	#8x1-3/4"	45 mm	1000	9.00(lbs)
CM158SDZJBW	#8x1-5/8"	41 mm	1000	8.00(lbs)
CMG158SD	#8x1-5/8"	41 mm	1000	8.00(lbs)
CM200SDZJBW	#8x2"	51 mm	1000	10.00(lbs)
CM10178JBWRG	#10x1-7/8"	47 mm	1000	11.00(lbs)
CM10178SDZJBW	#10x1-7/8"	47 mm	1000	11.00(lbs)

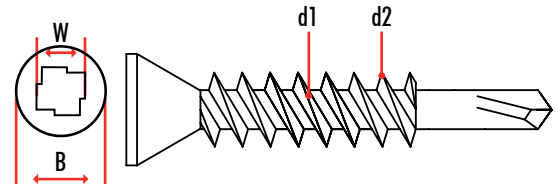
*Collated screw packaging option available on selected items.

PRODUCT DIMENSIONS (MILLIMETERS)

Gauge	B Head Dia	Recess Depth	W Gauging Width	d1 Minor Dia	d2 Major Dia	TPI
#8	9.0	2.2	#2	2.95	4.2	18
#10	9.0	2.2	#2	3.3	4.7	18

SHEET STEEL GAUGES

Gauge No.	Decimal Equivalent	Millimeter Equivalent
14	0.0713"	1.8 mm
16	0.0566"	1.5 mm
18	0.0451"	1.2 mm
20	0.0346"	1 mm



DRILLING CAPACITY

Screw Gauge	Drill Point	Total Panel Thickness	Steel Thickness Gauge Range
8	3	0.100-0.140	20-12
10	3	0.110-0.175	20-10

All GRABBER® screw products are manufactured in facilities that are ISO 9002 and ISO 14001 certified and approved.



Heavy Gauge Metal (20ga or thicker)

Product #250

Flat Head DRIVALL® Pilot Point Self Drilling (3 OF 3)

PULL-OUT DATA**

Screw Gauge	TPI	Metal Gauge	Tension (lbs.)	Shear (lbs.)
#8	18	14	646	1457
		16	513	1031
		18	283	733
		20	217	493
#10	18	10	1302	3597
		12	1068	2672
		14	748	1568
		16	594	1109
		18	328	789
		20	251	530

**GRABBER fasteners are not categorized as structural bolts. The figures listed above are ultimate average values based on AISI S100-16 J4, and apply to GRABBER Line fasteners only. An appropriate safety factor must be determined by a qualified professional for design purposes.

STANDARD CORROSION TEST RESULTS

Finish	Test	Standard/Protocol	Results
Clear Zinc	Salt Spray Results	ASTM B117	24 hours, no red rust
GRABBERGARD	Salt Spray Results	ASTM B117	1,000 hours, no red rust
GRABBERGARD	Kesternich Results	DIN 50018, 2.0L	15 cycles, no red rust

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