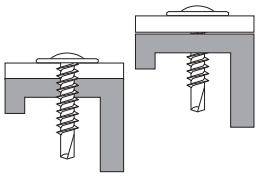
PRIMESOURCE BUILDING PRODUCTS, INC.

SPEC DATA *Submittal Sheet # 007*

MODIFIED TRUSS HEAD SELF-DRILL SCREW

The "*old standard*" head design for the attachment of metal lath and steel framing

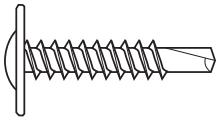
ESR 1408





#2 Reduced Phillips

Product Specifications



Part #	Dia.	Length	TPI	Bulk Qty	Finish	Corrosion	Thread	Head Dia.	Drill Capacity
MTD812	8	1/2	18	10M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD834	8	3/4	18	10M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8100	8	1	18	8M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8114	8	1-1/4	18	6M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8158	8	1-5/8	18	5M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8178	8	1-7/8	18	3M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8200	8	2	18	2.5M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8212	8	2-1/2	18	2M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD8300	8	3	18	1.5M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.033"-.100"
MTD1034	10	3/4	16	5M	Zinc	24 hr. min. B-117	FULL	10.8-11.4mm	.110"-.175"

Pro-Twist drill screws meet or exceed ASTM C-954 and/or C-1513

Self-Drilling Screws Ultimate Connection Value Chart

Dia.	Metal Gauge/1lb	Tension (Pull) Lbs. 1 Pc.	Shear Lbs. Metal to Metal	Torsional Strength
8	20	285	829	42 lbs.
	18	444	994	
	16	550	1096	
	14	924	1332	
	12	1100	1337	
10	20	389	811	61 lbs.
	18	554	1223	
	16	727	1492	
	14	1050	1545	
	12	1216	1650	

Ultimate Value Charts
Screws driven into steel were driven with three exposed threads on the off side of the connection, then pulled out with testing machine.

Note that all results were obtained in strict adherence to ASTM test protocol. These ultimate figures are offered only as a guide and are not guaranteed in any way by PrimeSource Building Products. A 3:1 safety ratio is recommended.

Installation Guidelines
0-2500rpm Screwgun with torque adjustment - Overdriving may result in fastener failure or stripout of the work surface
The fastener is fully seated when the head's bearing surface is flush with the steel.
The fastener must penetrate beyond the metal a minimum of three threads to comply with the code.

ALL PRIMESOURCE FASTENERS ARE MANUFACTURED IN AN ISO 9002 AND ISO 14001 CERTIFIED AND APPROVED FACTORY TO PRIMESOURCE PERFORMANCE SPECIFICATIONS AND PRINT DRAWINGS.

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