



**INTERNATIONAL  
FASTENERS, INC.**

## Phillips Modified Truss Head

### Self Drill Point

### Zinc Plated

Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
8 x 1/2"	18	MTSDZ08012	10,000	#2 Phillips	#2	0.112"
8 x 3/4"	18	MTSDZ08034	8,000	#2 Phillips	#2	0.112"
8 x 1"	18	MTSDZ08100	5,000	#2 Phillips	#2	0.112"
8 x 1-1/4"	18	MTSDZ081104	5,000	#2 Phillips	#2	0.112"
8 x 1-5/8"	18	MTSDZ08158	4,000	#2 Phillips	#2	0.112"
8 x 1-7/8"	18	MTSDZ08178	3,000	#2 Phillips	#2	0.112"
8 x 2"	18	MTSDZ08200	3,000	#2 Phillips	#2	0.112"
8 x 2-1/2"	18	MTSDZ08212	2,500	#2 Phillips	#2	0.112"
8 x 3"	18	MTSDZ08300	2,000	#2 Phillips	#2	0.112"

**material:** C1022 Low Carbon Steel, Core Hardness: HRC 32-40

**finish:** Zinc plating provides 24 hour minimum salt spray corrosion resistance

**application:** Metal to metal applications

**installation:** Screw gun with depth sensitive nosepiece with installation speed not to exceed 2500 RPM. Overdriving may result in fastener failure or strikeout of the work surface. The fastener is fully seated when the head's bearing surface is flush with the material being attached. The use of impact drivers is not recommended, as they can strip or break the screw.

### Meet or exceeds the following specifications:

ICC ESR-4229 | ESL-1128



<b>AC118</b>	ICC-ES Acceptance Criteria for tapping screw fasteners used in steel-to-steel connections
<b>ASTM A510</b>	Specification for general requirements for carbon steel wire rods (Minimum grade 1018)
<b>ASTM B117</b>	Standard practice for operating salt spray (fog) apparatus
<b>ASTM C1513</b>	Specification for steel tapping screws for cold-formed steel framing connections
<b>ASTM C954</b>	Specification for steel drill screws for the application of gypsum panel products or metal plaster bases to steel studs from 0.033" to 0.112" thickness
<b>SAE J78</b>	Standard for dimensional, mechanical, and performance requirements

### Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	Minimum Torsional Strength (lb)
<b>Tension (lb) Pullout</b>	#8	247	358	473	616	824	42
<b>Shear (lb) Bearing</b>	#8	604	935	1049	1089	944	42

MTSDZ08 | Revision 1.0 | 09.18.25

These figures are offered only as a guide and are not guaranteed in any way by International Fasteners, Inc. Appropriate safety factors should be applied to these values for specific purposes. All International Fasteners, Inc. fasteners are manufactured to International Fasteners, Inc.'s performance specifications and print drawings.



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## Phillips Modified Truss Head

### Self Drill Point

### Zinc Plated

Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
10 x 3/4"	16	MTSDZ10034	5,000	#2 Phillips	#3	0.175"
10 x 3-1/2"	16	MTSDZ10312	1,000	#2 Phillips	#3	0.175"
10 x 4"	16	MTSDZ1040	1,000	#2 Phillips	#3	0.175"
10 x 5"	16	MTSDZ1050	1,000	#2 Phillips	#3	0.175"
10 x 6"	16	MTSDZ1060	500	#2 Phillips	#3	0.175"
12 x 3/4"	14	MTSDZ12034	4,000	#2 Phillips	#3	0.210"

**material:** C1022 Low Carbon Steel. Core Hardness: HRC 32-40

**finish:** Zinc plating provides 24 hour minimum salt spray corrosion resistance

**application:** Metal to metal applications

**installation:** Screw gun with depth sensitive nosepiece with installation speed not to exceed 2500 RPM (#10) or 1800 RPM (#12). Overdriving may result in fastener failure or strikeout of the work surface. The fastener is fully seated when the head's bearing surface is flush with the material being attached. The use of impact drivers is not recommended, as they can strip or break the screw.

### Meet or exceeds the following specifications:

ICC ESR-4229 | ESL-1128



<b>AC118</b>	ICC-ES Acceptance Criteria for tapping screw fasteners used in steel-to-steel connections
<b>ASTM A510</b>	Specification for general requirements for carbon steel wire rods (Minimum grade 1018)
<b>ASTM B117</b>	Standard practice for operating salt spray (fog) apparatus
<b>ASTM C1513</b>	Specification for steel tapping screws for cold-formed steel framing connections
<b>ASTM C954</b>	Specification for steel drill screws for the application of gypsum panel products or metal plaster bases to steel studs from 0.033" to 0.112" thickness
<b>SAE J78</b>	Standard for dimensional, mechanical, and performance requirements

### Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	Minimum Torsional Strength (lb)
<b>Tension (lb) Pullout</b>	#10	248	344	482	614	904	61
	#12	267	360	480	669	904	92
<b>Shear (lb) Bearing</b>	#10	614	918	1195	1443	1743	61
	#12	614	918	1280	1682	2191	92

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