

**Submittal:** SDDPB0838B



**STRONG-POINT<sup>®</sup> PHILLIPS BUGLE HEAD, PHOSPHATE COATING**

Size	Part#	Pt.	Case Qty.	Description
8-18 x 2-3/8	D823	2	2.5M	Phillips Bugle Head, Phosphate Coating
8-18 x 2-5/8	D825	2	2M	Phillips Bugle Head, Phosphate Coating
8-18 x 3	D830	2	2M	Phillips Bugle Head, Phosphate Coating

Application: Attaches gypsum, insulation and wood to metal.  
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM<sup>1</sup> A 510 for carbon steel manufacturing
  - Meets ASTM C 954 for attaching gypsum board to steel studs
  - Manufactured to SAE<sup>2</sup> J78 for dimensional specifications
  - Meets F.I.P.<sup>3</sup>-1000.7 for torsional strength and drill speed
  - ICC-ES Evaluation Report: ESR-3528



Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. Do not over torque as it can cause the head to snap or stripping of the recess. The bugle head fastener is properly seated when the head sits flush or slightly countersunk with the sheathing surface. Installed fasteners must penetrate a minimum of three full threads beyond the metal structure.

Pullout Values (Avg. Lbs.)									
Fastener		Steel Gauge							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	168	227	398	502	888	1050		

  

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	522	780	937	1025				

The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

<sup>1</sup>(American Society of Testing Materials)

<sup>2</sup>(Society of Automotive Engineers)

<sup>3</sup>(Fastener Inspection Products)

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