

Submittal: SDPRF1444Z



STRONG-POINT[®] PHILLIPS FLAT HEAD REAMER w/WINGS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
1/4-20 x 2-3/4	R234	4	1M	3/4" - 1-3/4"	Phillips Flat Head Reamer w/Wings, Zinc Plated
1/4-20 x 3-1/4	R314	4	1M	3/4" - 2-1/4"	Phillips Flat Head Reamer w/Wings, Zinc Plated
1/4-20 x 3-1/2	R312	4	.8M	3/4" - 2-1/2"	Phillips Flat Head Reamer w/Wings, Zinc Plated
1/4-20 x 3-3/4	R334	4	.5M	3/4" - 2-3/4"	Phillips Flat Head Reamer w/Wings, Zinc Plated

Application: Attaches wood to metal.
Drill Capacity (in.): .110 - .375

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Meets ASTM F1941 for corrosion resistance

- Features:
- Used for attaching lumber headers to steel
 - Wings ream hole in wood preventing "jacking action"

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. Use a #3 Phillips drive bit. Do not over torque as it can cause the head to snap or stripping of the recess. 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	1/4
1/4-20	4			595	856	1114	1805	2337	4416	4885

Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
1/4-20	4				2040	2509	2573	2738		

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.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

R234_R334_Rev. A (5/27/15)