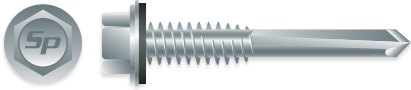


Submittal: SDWSWH1220ZE



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	HA5	5	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-24 x 1-1/2	HA52	5	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-24 x 2	HA53	5	2M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-24 x 3	HA54	5	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .125 - .500

- 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
 - ICC-ES Evaluation Report: ESR-3528



Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended. Do not over torque as it can cause the head to snap or stripping of the threads. 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
12-24	5			475	672	951	1486	2269	3593	3882

Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
12-24	5							2622	2641	2682

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)

HA5_HA54_Rev. A (5/27/15)