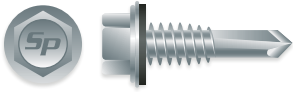


Submittal: SDWSWH1214ZE



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

| Size | Part# | Pt. | Case Qty. | Description |
|-------------|-------|-----|-----------|--|
| 12-24 x 7/8 | HA4 | 4 | 3M | Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer |

Application: Attaches metal to metal.
Drill Capacity (in.): .125 - .250

- 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

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 | 4 | | | 484 | 679 | 959 | 1489 | 2371 | 3384 | 3732 |

| Shear Values (Avg. Lbs.) | | | | | | | | | | |
|--------------------------|-----|----------------------|----|----|----|----|------|------|------|-----|
| Fastener | | Steel Gauge (Lapped) | | | | | | | | |
| Size | Pt. | 22 | 20 | 18 | 16 | 14 | 12 | 1/8 | 3/16 | 1/4 |
| 12-24 | 4 | | | | | | 1989 | 1972 | | |

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)