



Submittal: SDWSWHC1232





## ${\tt STRONG-POINT}^{@} \ {\tt UNSLOTTED} \ {\tt INDENTED} \ {\tt HEX} \ {\tt WASHER} \ {\tt HEAD}, \ {\tt STRONG-SHIELD} \ {\tt COATED} \ {\tt W/BONDED} \ {\tt NEO-EPDM} \ {\tt WASHER}$

Size	Part#	Pt.	Case Qty.	Description
12-14 x 2	HA1232C	3	1.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-14 x 2-1/2	HA1240C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-14 x 3	HA1248C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.

Drill Capacity (in.): .035 - .210

Specifications:

- Meets ASTM<sup>1</sup> C 1513 for cold-formed steel framing connections
- Meets ASTM A 510 for carbon steel manufacturing
- 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
- Meets ASTM B 117 for salt spray corrosion testing
- ICC-ES Evaluation Report: ESR-3528
- Rust/Acid Rain Protection
- ACQ Compatible
- Exceeds 1,000/hrs. salt spray resistance





Installation:

A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 2000 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		
12-14	3	283	333	537	737	1034	1585	2349	2911		

Shear Values (Avg. Lbs.)											
Fastener		Steel Gauge (Lapped)									
Size	Pt.	22	20	18	16	14	12	1/8	3/16		
12-14	3		749	1320	1574	1914	1929				

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)

HA1232C\_HA1248C\_Rev. A (11/20/19)