

STRONG-POINT®

Get the Point. Strong-Point. Fastener Technical Data Submittals

INTERCORP

Submittal: SDUHW1008Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD

Size	Part#	Pl.	Case Qty.
10-16 x 1/2	H1008	2	8M
10-16 x 5/8	H1010	2	8M

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

- Specifications:
- Meets ASTM F 1513 for cold-formed steel
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE J78 for dimensional specifications
 - Meets F1/P-1000.7 for torsional strength and drive
 - Meets ASTM F1941 for corrosion resistance
 - ICC-ES Evaluation Report: ESR-3528

STRONG-POINT®
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INTERCORP

Submittal: DWFSB0612B



STRONG-POINT® PHILLIPS BUGLE HEAD

Size	Part#	Case Qty.
6 x 3/4	606	15M
6 x 1	610	10M
6 x 1-1/8	611	10M
6 x 1-1/4	614	8M
6 x 1-1/2	612	6M
6 x 1-5/8	615	5M

- Specifications:
- Meets ASTM F 1513 for cold-formed steel
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE J78 for dimensional specifications
 - Meets F1/P-1000.7 for torsional strength and drive
 - Meets ASTM F1941 for corrosion resistance
 - ICC-ES Evaluation Report: ESR-3528

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INTERCORP

Submittal: DWPCW0620W



STRONG-POINT® PHILLIPS BUGLE HEAD

Size	Part#	Case Qty.
6 x 1-1/4	614CW	8M
6 x 1-5/8	615CW	5M

- Specifications:
- Meets ASTM F 1513 for cold-formed steel
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE J78 for dimensional specifications
 - Meets F1/P-1000.7 for torsional strength and drive
 - Meets ASTM F1941 for corrosion resistance
 - ICC-ES Evaluation Report: ESR-3528

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INTERCORP

Submittal: CSHWH320BC



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 1-1/4	CH320	5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3M			Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
2.5M			Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
2M			Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1.5M			Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1M			Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Strongcon

INTERCORP

Submittal: SDPMB080Z



STRONG-POINT® PHILLIPS MODIFIED

Size	Part#	Pl.	Case Qty.
8-18 x 1/2	M822	2	
8-18 x 3/4	M832	2	
8-18 x 1	M842	2	
8-18 x 1-1/4	M852	2	

Application: Attaches wire lath to metal.
Drill Capacity (in.): .035 - .110

- Specifications:
- Meets ASTM F 1513 for cold-formed steel
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE J78 for dimensional specifications
 - Meets F1/P-1000.7 for torsional strength and drive
 - Meets ASTM F1941 for corrosion resistance
 - ICC-ES Evaluation Report: ESR-3528

Installation: A standard screw gun with Phillips drive bit. Do not over torque. Minimum of three full threads.

Fastener			
Size	Pl.	22	
8-18	2	290	

Fastener			
Size	Pl.	22	
8-18	2	546	

The values listed are averages achieved under laboratory conditions.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

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INTERCORP

Submittal: DSSTLTZ70940



STRONG-POINT® STAR DRIVE FLAT HEAD

Size	Part#	Case Qty.
9 x 2-1/2	X7922Y	2.5M
9 x 3	X7930Y	2M

Application: For interior or outdoor applications.
Attaches wood to wood.

- Specifications:
- Meets ASTM A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray
- Features:
- Yellow Zinc coating exceeds 1800
 - .0003 plating thickness
 - Star Drive prevents cam out and self-centering
 - Type "T" reduces wood splitting and
 - Note under head provide flush fit
 - Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the

Installation: A standard screw gun with Torx In drive bit. Do not over torque as it can



The values listed are averages achieved under laboratory conditions.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

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INTERCORP

Submittal: FGWSW1016SSC



STRONG-POINT® POLE GRIPPER UNSLOTTED INDENTED HEX WASHER, SHARP POINT, HI-LOW THREAD

Size	Part#	Case Qty.	Description
10-14 x 1	PGA1016	3M	Pole Grip Sharp Point
10-14 x 1-1/2	PGA1024	2.5M	Pole Grip Sharp Point
10-14 x 2	PGA1032	2M	Pole Grip Sharp Point
10-14 x 2-1/2	PGA1040	1.5M	Pole Grip Sharp Point
10-14 x 3	PGA1048	1M	Pole Grip Sharp Point

Application: Attaches metal to wood. Used in roofing and

- Specifications:
- Meets ASTM A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray
- Features:
- Strong-Shield coating exceeds 1,000hrs. salt
 - Type "T" reduces wood splitting and
 - Designed to work with ACO treated lumber

Coating: The Strong-Shield coating is a high-grade

Installation: A 1/4" hex nut setter or 1/4" drive socket will

The values listed are averages achieved under laboratory conditions and imply no

¹(American Society of Testing Materials)

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INTERCORP

Submittal: SDPRF1232Z



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

Size	Part#	Pl.	Case Qty.	Wood Attach. Range	Description
12-24 x 2	R200	3	2M	1/2" - 1-1/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated
12-24 x 2-1/4	R214	3	1.5M	1/2" - 1-3/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated
12-24 x 2-1/2	R2123	3	1.5M	1/2" - 1-5/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated

Application: Attaches wood to metal.
Drill Capacity (in.): .110 - .210

- Specifications:
- Meets ASTM F 1513 for cold-formed steel manufacturing
 - Meets ASTM A 510 for carbon steel manufacturing
 - Manufactured to SAE J78 for dimensional specifications
 - Meets F1/P-1000.7 for torsional strength and drive
 - Meets ASTM F1941 for corrosion resistance

Features:

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

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended. Use a #3 Phillips

The values listed are averages achieved under laboratory conditions and imply no

¹(American Society of Testing Materials)

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About Intercorp

Founded in 1988, Intercorp has established itself as an industry leader in the fastener distribution business. Our flagship brand, Strong-Point®, is sold by thousands of distributors to construction professionals throughout the United States. The brand consists of a variety of high-end fasteners including: Self-Drilling, Needle Point, Woodworking, Stainless Steel, Drywall, Pole Gripper, Outdoor, Concrete, and Cement Board screws. With an outstanding reputation for customer service, quick delivery, and support for the distribution channel, Intercorp is unmatched when it comes to high-quality fasteners.

PREMIUM QUALITY - Premium carbon and stainless steel fasteners are critical to our business. It doesn't go out the door without the Intercorp stamp of approval. This is why we stand firmly behind every transaction we make.

CUSTOMER SERVICE - You will come to rely on the knowledge and support of our staff. We are here to help you find solutions.

WILL CALL - Orders are ready in 30 minutes or less from one of our 9 warehouses: Los Angeles, New York, Chicago, Dallas, Atlanta, Portland, Houston, Cleveland, Miami.

FACTORY DIRECT/MILL - We can import a broad selection of volume fasteners in addition to our standard product line of premium fasteners in steel and stainless steel. Private labeling of containers is also available.

Terms and Conditions

TERMS - Net 30 days OAC. FOB Point of Origin. All orders subject to acceptance by Intercorp. Minimum order is \$50.00.

DROP SHIPMENTS - Orders may be drop shipped at the request of the distributor. Normal freight policy will prevail.

SHORTAGES - Any shortages on your shipment must be reported within 10 days of the shipping date for proper verification and possible adjustment. All packages are sealed when leaving the factory. If a seal is broken when received, submit your claim directly to the delivering carrier for your losses.

WARRANTY - Intercorp stands behind all of our products. Any item may be returned due to defective workmanship or materials. The item will be replaced or credit will be issued.



Competitive Pricing, Huge Inventory, Great Freight Policies

Warehouse Locations

Los Angeles - (800) 762-2004

641 North Poplar Street
Orange, CA 92868
Tel: (714) 744-2622
Fax: (714) 744-4672
losangeles@intercorpusa.com

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Fax: (972) 602-1117
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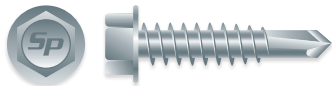
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miami@intercorpusa.com

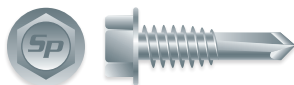
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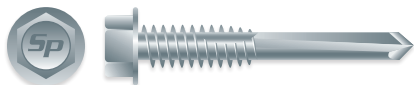
Unslotted Indented Hex Washer Head, Zinc Plated



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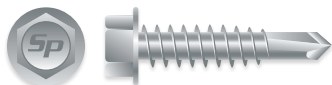


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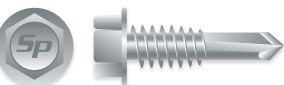


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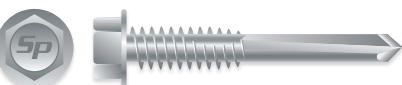
Unslotted Indented Hex Washer Head, Strong-Shield Coated



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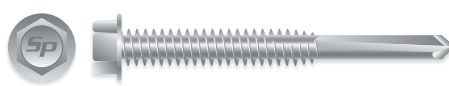


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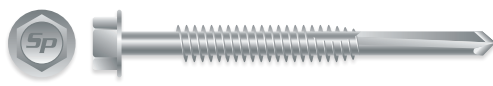


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Unslotted Indented Hex Washer Head, Strong-Shield Coated

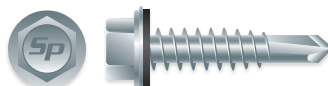


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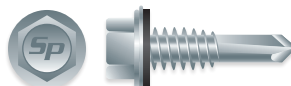


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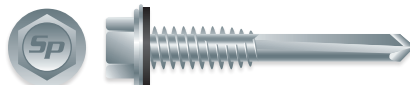
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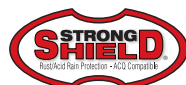
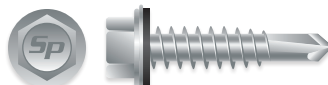


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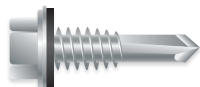
Unslotted Indented Hex Washer Head w/Bonded Washer, Strong-Shield Coated



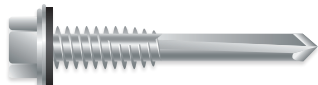
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STRONG-POINT™ Self-Drilling

Unslotted Indented Hex Washer Head
w/Bonded Washer, Strong-Shield Coated

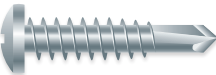


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HA4C	12-24 x 7/8	55



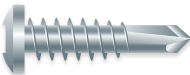
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Phillips Pan Head, Zinc Plated



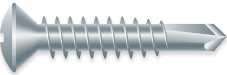
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Square Drive Pan Head, Zinc Plated



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Phillips Oval Head, Zinc Plated



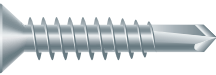
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Phillips #6 Oval Head Sems w/Finish Washer, Zinc Plated



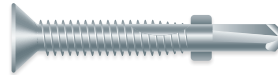
Part Number	Size	Page
E83 - E85	8-18 x 3/4 - 8-18 x 1-1/4	66

Phillips Flat Head, Zinc Plated



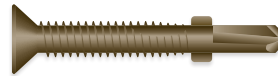
Part Number	Size	Page
F82 - F86	8-18 x 1/2 - 8-18 x 1-1/2	67
F106 - F110	10-16 x 3/4 - 10-16 x 1-1/2	68
F116 - F124	10-16 x 2 - 10-16 x 3	69
F208 - F224	12-14 x 1 - 12-14 x 3	70
F408 - F424	14-14 x 1 - 14-14 x 3	71

Phillips Flat Head Reamer w/Wings, Zinc Plated



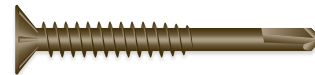
Part Number	Size	Page
R158	10-16 x 1-5/8	72
R200 - R2123	12-24 x 2 - 12-24 x 2-1/2	73
R212	12-24 x 2-1/2	74
R234 - R334	1/4-20 x 3-1/4 - 1/4-20 x 3-3/4	75

Phillips Flat Head Reamer w/Wings, WAR Coated



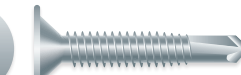
Part Number	Size	Page
R200W	12-24 x 2	76
R212W	12-24 x 2-1/2	77
R234W - R434W	1/4-20 x 3-1/4 - 1/4-20 x 4-3/4	78

Phillips/Square Drive Flat Head Pilot Point, WAR Coated



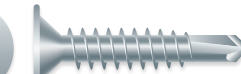
Part Number	Size	Page
FP212W	10-16 x 2-1/2	79

Phillips Wafer Head, Zinc Plated



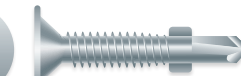
Part Number	Size	Page
W804	8-18 x 1	80
W103 - W108	10-24 x 3/4 - 10-24 x 2	81
W117	1/4-14 x 1-7/8	82

Star Drive Wafer Head, Zinc Plated



Part Number	Size	Page
W103T - W106T	10-16 x 3/4 - 10-16 x 1-1/2	83

Phillips Wafer Head w/Wings, Zinc Plated



Part Number	Size	Page
R107	10-24 x 1-7/16	84

Phillips Wafer Head w/Wings, WAR Coated



Part Number	Size	Page
R107W	10-24 x 1-7/16	85

STRONG-POINT™ Self-Drilling

Phillips Pan Head Framing Screw, Phosphate Coating



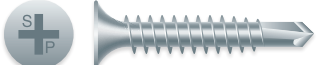
Part Number	Size	Page
F6	6-20 x 7/16	86
F7	7-20 x 7/16	87

Phillips Pan Head Framing Screw, Zinc Plated



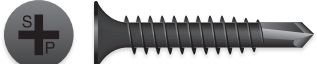
Part Number	Size	Page
F6Z	6-20 x 7/16	88
F7Z	7-20 x 7/16	89

Phillips Bugle Head, Zinc Plated



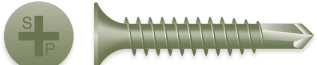
Part Number	Size	Page
D610Z - D617Z	6-20 x 1 - 6-20 x 1-7/8	90
D823Z - D830Z	8-18 x 2-3/8 - 8-18 x 3	91
D1031Z-D1060Z	10-16 x 3-1/2 - 10-16 x 6	92

Phillips Bugle Head, Phosphate Coating



Part Number	Size	Page
D610 - D617	6-20 x 1 - 6-20 x 1-7/8	93
D823 - D830	8-18 x 2-3/8 - 8-18 x 3	94
D1031-D1040	10-16 x 3-1/2 - 10-16 x 4	95

Phillips Bugle Head, Ruspert Coating



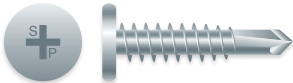
Part Number	Size	Page
D614R - D617R	6-20 x 1-1/4 - 6-20 x 1-5/8	96
D823R - D830R	8-18 x 2-3/8 - 8-18 x 3	97

Phillips Bugle Head Pilot Point, Zinc Plated



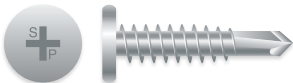
Part Number	Size	Page
D820Z	8-18 x 2	98

Phillips Pancake Head, Zinc Plated



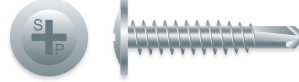
Part Number	Size	Page
PC5 - PC12	10-16 x 5/8 - 10-16 x 1-1/2	99

Phillips Pancake Head, Strong-Shield Coated



Part Number	Size	Page
PC8C - PC12C	10-16 x 1 - 10-16 x 1-1/2	100

Phillips Modified Truss (R/W) Head, Zinc Plated



Part Number	Size	Page
M82Z - M85Z	8-18 x 1/2 - 8-18 x 1-1/4	101
M87Z - M95Z	8-18 x 1-5/8 - 8-18 x 3	102
M106Z	10-16 x 3/4	103
M1032Z	10-16 x 4	104
M126Z	12-14 x 3/4	105

Phillips Modified Truss (R/W) Head, Black Oxide Coating



Part Number	Size	Page
M82B - M85B	8-18 x 1/2 - 8-18 x 1-1/4	106

Square Drive Trim Head, Zinc Plated



Part Number	Size	Page
T1QZ - T2QZF	6-20 x 1-5/8 - 6-20 x 2-1/4	107
T3QZ	8-18 x 3	108

Square Drive Trim Head, Phosphate Coating



Part Number	Size	Page
T0Q	7-19 x 1	109
T1Q - T2Q	6-20 x 1-5/8 - 6-20 x 2-1/4	110
TQ3	8-18 x 3	111

Phillips Trim Head, Phosphate Coating



Part Number	Size	Page
T1P - T2P	6-20 x 1-5/8 - 6-20 x 2-1/4	112

STRONG-POINT™ Drywall

Phillips Bugle Head, Fine Thread, Phosphate Coating



Part Number	Size	Page
606 - 624	6 x 3/4 - 6 x 2-1/4	113
722	7 x 2-1/2	114
822 - 830	8 x 2-1/2 - 8 x 3	115



Part Number	Size	Page
1031 - 1060	10 x 3-1/2 - 10 x 6	116



Phillips Bugle Head, Coarse Thread, Phosphate Coating



Part Number	Size	Page
606C - 624C	6 x 3/4 - 6 x 2-1/4	117
712C - 722C	7 x 1-1/2 - 7 x 2-1/2	118
814C - 830C	8 x 1-1/4 - 8 x 3	119



Part Number	Size	Page
1031C - 1060C	10 x 3-1/2 - 10 x 6	120

Square Drive Bugle Head, Coarse Thread, Phosphate Coating



Part Number	Size	Page
614QC - 620QC	6 x 1-1/4 - 6 x 2	121
720QC	7 x 2	122
822QC - 830QC	8 x 2-1/2 - 8 x 3	123

Phillips Bugle Head, Hi-Low Thread, Phosphate Coating



Part Number	Size	Page
610HL - 624HL	6 x 1 - 6 x 2-1/4	124
822HL - 830HL	8 x 2-1/2 - 8 x 3	125

Phillips Bugle Head, Laminating Screw, Phosphate Coating



Part Number	Size	Page
LAM	10 x 1-1/2	126

Phillips Pan Head Framing Screw, Phosphate Coating



Part Number	Size	Page
6F	6 x 7/16	127
7F	7 x 7/16	128

Phillips Trim Head, Sharp Point, Phosphate Coating



Part Number	Size	Page
1PT - 2PT	6 x 1-5/8 - 6 x 2-1/4	129

Square Drive Trim Head, Sharp Point, Phosphate Coating



Part Number	Size	Page
0QT - 2QT	6 x 1 - 6 x 2-1/4	130
3QT	8 x 3	131

Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated



Part Number	Size	Page
84MZ - 97MZ	8 x 1/2 - 8 x 3	132

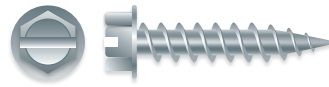
Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide



Part Number	Size	Page
85MB - 90MB	8 x 9/16 - 8 x 1-5/8	133

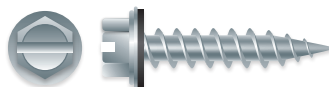


Slotted Indented Hex Washer Head, Zinc Plated



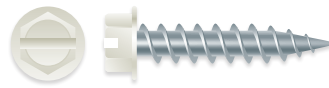
Part Number	Size	Page
N606	6 x 3/8	134
N708	7 x 1/2	135
N808 - N848	8 x 1/2 - 8 x 3	136
N1008 - N1032	10 x 1/2 - 10 x 2	137
N1024H	10 x 1-1/2 - Hi-Hex Head	148
N10085 - N10485	10 x 1/2 - 10 x 3	139

Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer



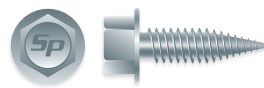
Part Number	Size	Page
NA808 - NA848	8 x 1/2 - 8 x 3	140
NA1012 - NA1032	10 x 3/4 - 10 x 2	141
NA10125 - NA10325	10 x 3/4 - 10 x 2	142

Slotted Indented Hex Washer Head Painted White, Zinc Plated



Part Number	Size	Page
NW808 - NW832	8 x 1/2 - 8 x 2	143

Unslotted Indented Hi-Hex Washer Head, Razor Point, Zinc Plated



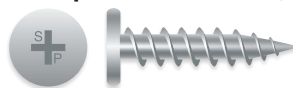
Part Number	Size	Page
NU808	8-32 x 1/2	144
NU1012H	10-24 x 3/4	145

Phillips Pancake Head, Zinc Plated



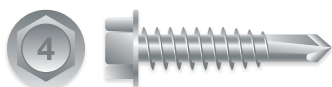
Part Number	Size	Page
108PC - 112PC	10-12 x 1 - 10-12 x 1-1/2	146

Phillips Pancake Head, Strong-Shield Coated

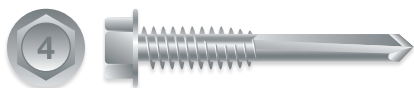


Part Number	Size	Page
108PCC - 112PCC	10-12 x 1 - 10-12 x 1-1/2	147

410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

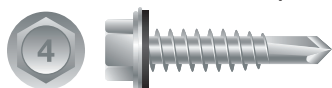


Part Number	Size	Page
4H808 - 4H816	8-18 x 1/2 - 8-18 x 1	148
4H1008	10-16 x 1/2	149
4H1012 - 4H1032	10-16 x 3/4 - 10-16 x 2	150
4H1212 - 4H1240	12-14 x 3/4 - 12-14 x 2-1/2	151
4H1412 - 4H1432	14-14 x 3/4 - 14-14 x 2	152
4H1440 - 4H1496	14-14 x 2-1/2 - 14-14 x 6	153
4H1	14-14 x 7/8 - #12 Head	154

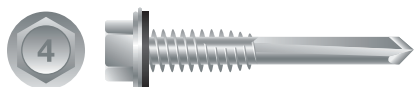


Part Number	Size	Page
4H5 - 4H53	12-24 x 1-1/4 - 12-24 x 2	154

410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

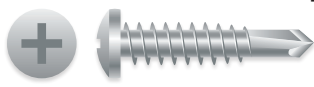


Part Number	Size	Page
4HA808 - 4HA816	8-18 x 1/2 - 8-18 x 1	156
4HA1012 - 4HA1032	10-16 x 3/4 - 10-16 x 2	157
4HA1212 - 4HA1240	12-14 x 3/4 - 12-14 x 2-1/2	158
4HA1412 - 4HA1432	14-14 x 3/4 - 14-14 x 2	159
4HA1440 - 4HA1480	14-14 x 2-1/2 - 14-14 x 5	160
4HA1	14-14 x 7/8 - #12 Head	161



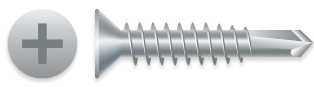
Part Number	Size	Page
4HA5 - 4HA53	12-24 x 1-1/4 - 12-24 x 2	162

410 Stainless Steel Phillips Pan Head, Zinc Plated



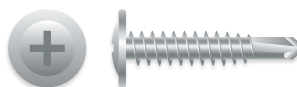
Part Number	Size	Page
4P63 - P64	6-20 x 3/8 - 6-20 x 1/2	163
4P84 - 4P88	8-18 x 1/2 - 8-18 x 1	164
4P810 - 4P812	8-18 x 1-1/4 - 8-18 x 1-1/2	165
4P104	10-16 x 1/2	166
4P106 - P116	10-16 x 3/4 x 10-16 x 1-1/2	167

410 Stainless Steel Flat Head, Passivated & Waxed



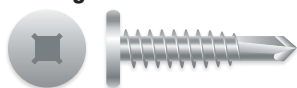
Part Number	Size	Page
4F63 - 4F64	6-20 x 3/4 - 6-20 x 1	168
4F83 - 4F86	8-18 x 3/4 - 8-18 x 1-1/2	169
4F103 - 4F106	10-16 x 3/4 - 10-16 x 1-1/2	170

410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed



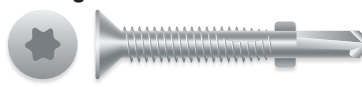
Part Number	Size	Page
4M82 - 4M95	8-18 x 1/2 - 8-18 x 3	171
4M106	10-16 x 3/4	172

410 Stainless Steel Phillips/Square Drive Pancake Head, Strong-Shield Coated



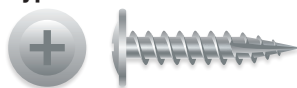
Part Number	Size	Page
4PC8	10-16 x 1	173

410 Stainless Steel Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated



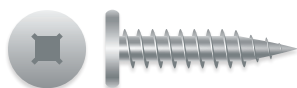
Part Number	Size	Page
4RT212	12-24 x 2-1/2	174
4RT234-4RT314	1/2-20 x 2-3/4 - 1/4-20 x 3-1/4	175

305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17' Passivated & Waxed



Part Number	Size	Page
X86MSS - X97MSS	8 x 3/4 - 8 x 3	176

305 Stainless Steel Phillips/Square Drive Pancake Head, Passivated & Waxed



Part Number	Size	Page
108PCSS	10-12 x 1	177

305 Stainless Steel Phillips Bugle Head, Coarse Thread



Part Number	Size	Page
814CSS - 830CSS	8 x 1-1/4 - 8 x 3	178

305 Stainless Star Drive Flat Head w/Nibs Coarse Thread, Type '17'



Part Number	Size	Page
XT814SS - XT820SS	8 x 1-1/4 - 8 x 2	179
XT1022SS - XT1031SS	10 x 2-1/2 - 10 x 3-1/2	180
XT1240SS	12 x 4	181

316 Stainless Star Drive Flat Head w/Nibs Coarse Thread, Type '17'



Part Number	Size	Page
XT1022MG - XT1031MG	10 x 2-1/2 - 10 x 3-1/2	182

STRONG-POINTTM Stainless

305 Stainless Steel Square Drive Trim Head, Coarse Thread, Type '17'



Part Number	Size	Page
X1QSS - X3QSS	7 x 1-5/8 - 7 x 3	183

305 Stainless Steel Star Drive Trim Head, Coarse Thread, Type '17'



Part Number	Size	Page
X1TSS - X3TSS	7 x 1-5/8 - 7 x 3	184

STRONG-POINTTM Outdoor

Phillips Bugle Head, Coarse Thread, Zinc Yellow



Part Number	Size	Page
606CY - 624CY	6 x 3/4 - 6 x 2-1/4	185
720CY	7 x 2	186
822CY - 830CY	8 x 2-1/2 - 8 x 3	187



Part Number	Size	Page
1031SY - 1060SY	10 x 3-1/2 - 10 x 6	188

Square Drive Bugle Head, Coarse Thread, Zinc Yellow



Part Number	Size	Page
614QCY - 620QCY	6 x 1-1/4 - 6 x 2	189
822QCY - 830QCY	8 x 2-1/2 - 8 x 3	190

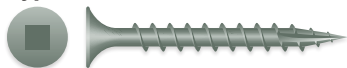
Phillips Bugle Head, Coarse Thread, WAR Coated



WAR[®]
Corrosion Protection - ACQ Compatible

Part Number	Size	Page
614CW - 620CW	6 x 1-1/4 - 6 x 2	191
822CW - 830CW	8 x 2-1/2 - 8 x 3	192

Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated

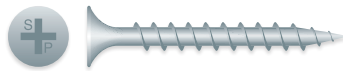


WAR[®]
Corrosion Protection - ACQ Compatible

Part Number	Size	Page
XQ615W - XQ620W	6 x 1-5/8 - 6 x 2	193
XQ822W - XQ830W	8 x 2-1/2 - 8 x 3	194
XQ1031W	10 x 3-1/2	195

STRONG-POINTTM Outdoor

Phillips Bugle Head, Coarse Thread, Dacrotized[®]



Part Number	Size	Page
610CD - 624CD	6 x 1 - 6 x 2-1/4	196
822CD - 830CD	8 x 2-1/2 - 8 x 3	197



Part Number	Size	Page
1031D - 1060D	10 x 3-1/2 - 10 x 6	198

Square Drive Bugle Head, Coarse Thread, Dacrotized[®]



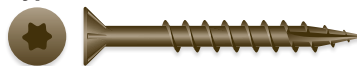
Part Number	Size	Page
620QCD	6 x 2	199
822QCD - 830QCD	8 x 2-1/2 - 8 x 3	200

Star Drive Flat Head w/Nibs, Coarse Thread, Type '17', Zinc Yellow



Part Number	Size	Page
XT814Y - XT820Y	8 x 1-1/4 - 8 x 2	201
XT922Y - XT930Y	9 x 2-1/2 - 9 x 3	202
XT1031Y - XT1040Y	10 x 3-1/2 - 10 x 4	203

Star Drive Flat Head w/Nibs, Coarse Thread, Type '17', WAR Coated



WAR[®]
Corrosion Protection - ACQ Compatible

Part Number	Size	Page
XT814W - XT820W	8 x 1-1/4 - 8 x 2	204
XT922W - XT930W	9 x 2-1/2 - 9 x 3	205
XT1031W - XT1060W	10 x 3-1/2 - 10 x 6	206

Phillips/Square Drive Low Profile Wafer Head, Type '17', Strong-Shield Coated



STRONG SHIELD[®]
Rust/Acid Rain Protection - ACQ Compatible

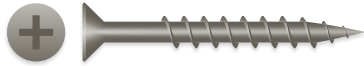
Part Number	Size	Page
X109WC	10-8 x 1-1/8	207

Phillips Fat Head Particle Board Screw, Plain and Lubed



Part Number	Size	Page
608L - 612L	6 x 1/2 - 6 x 3/4	208
812L - 816L	8 x 3/4 - 8 x 1	209

Phillips Fat Head Particle Board Screw, Plain and Lubed

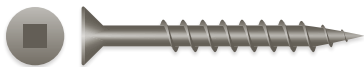


Part Number	Size	Page
820L - 832L	8 x 1-1/4 - 8 x 2	210
940L - 948L	9 x 2-1/2 - 9 x 3	211

Square Drive Flat Head Particle Board Screw, Plain and Lubed



Part Number	Size	Page
812QL - 816QL	8 x 3/4 - 8 x 1	212



Part Number	Size	Page
820QL - 832QL	8 x 1-1/4 - 8 x 2	213
940QL - 948QL	9 x 2-1/2 - 9 x 3	214

Face Framing Phillips #7 Pan Head, Type '17', Black Oxide



Part Number	Size	Page
XP5 - XP6	6-20 x 1-1/4 - 6-20 x 1-1/2	215

Face Framing Square Drive #7 Pan Head, Type '17', Black Oxide



Part Number	Size	Page
XQ5 - XQ6	6-20 x 1-1/4 - 6-20 x 1-1/2	216

Face Framing Square Drive #7 Pan Head, Coarse Thread, Type '17', Black Oxide



Part Number	Size	Page
XQ5C - XQ6C	6-9 x 1-1/4 - 6-9 x 1-1/2	217

Phillips/Square Round Washer Head Particle Board Screw, Type '17", Zinc Plated



Part Number	Size	Page
X816RWZ - X848RWZ	8 x 1 - 8 x 3	218

Phillips Flat Head w/Nibs Particle Board Screw, Type '17", Black Oxide



Part Number	Size	Page
X816NB - X832NB	8 x 1 - 8 x 2	219
X940NB - X948NB	9 x 2-1/2 - 9 x 3	220

Square Drive Flat Head w/Nibs Particle Board Screw, Type '17", Black Oxide



Part Number	Size	Page
XQ816NB - XQ832NB	8 x 1 - 8 x 2	221
XQ940NB - XQ948NB	9 x 2-1/2 - 9 x 3	222

Phillips Flat Head w/Nibs Particle Board Screw, Type '17", Zinc Plated



Part Number	Size	Page
X816NZ - X832NZ	8 x 1 - 8 x 2	223
X940NZ - X948NZ	9 x 2-1/2 - 9 x 3	224

Square Drive Flat Head w/Nibs Particle Board Screw, Type '17", Zinc Plated



Part Number	Size	Page
XQ812NZ - XQ832NZ	8 x 3/4 - 8 x 2	225
XQ940NZ - XQ948NZ	9 x 2-1/2 - 9 x 3	226

Phillips Oval Head Particle Board Screw, Plain



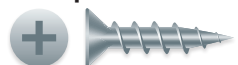
Part Number	Size	Page
6100L	6 x 5/8	227

Phillips Oval Head Particle Board Screw, Zinc Plated



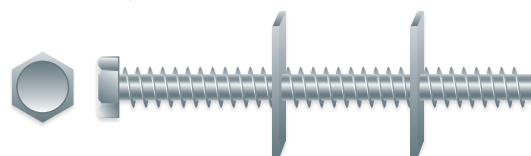
Part Number	Size	Page
6100LZ	6 x 5/8	228

Phillips Flat Head Particle Board Screw, Zinc Plated



Part Number	Size	Page
608LZ - 612LZ	6 x 1/2 - 6 x 3/4	229

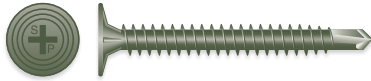
Draw Bolt, Join Fastener



Part Number	Size	Page
DRAW	1/4-20 x 3-1/2	230

STRONG-POINT™ Cement Board

Phillips Wafer Head w/Nibs, Self-Drilling, Ruspert Coating



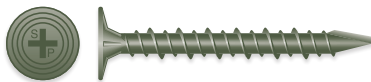
Part Number	Size	Page
CB814 - CB824	8-18 x 1-1/4 - 8-18 x 2-1/4	231

Phillips Wafer Head w/Nibs, Hi-Low, Sharp Point, Ruspert Coating



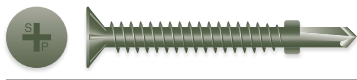
Part Number	Size	Page
814CB - 824CB	8-18 x 1-1/4 - 8-18 x 2-1/4	232

Phillips Wafer Head w/Nibs, Hi-Low, Spoon Point, Ruspert Coating



Part Number	Size	Page
CB814SPN - CB815SPN	8-18 x 1-1/4 - 8-18 x 1-5/8	233

Phillips Flat Head w/Nibs and Wings, Self-Drilling, Fiber Board Screw, Ruspert Coating



Part Number	Size	Page
FB814R - FB824R	8-18 x 1-1/4 - 8-18 x 2-1/4	234

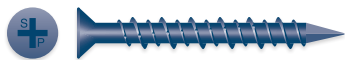
STRONG-POINT™ Strongcon®

Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Blue Ceramic Coating



Part Number	Size	Page
CH320 - CH328	3/16 x 1-1/4 - 3/16 x 1-3/4	235
CH336 - CH344	3/16 x 2-1/4 - 3/16 x 2-3/4	236
CH352 - CH364	3/16 x 3-1/4 - 3/16 x 4	237
CH420 - CH428	1/4 x 1-1/4 - 1/4 x 1-3/4	238
CH436 - CH444	1/4 x 2-1/4 - 1/4 x 2-3/4	239
CH452 - CH496	1/4 x 3-1/4 - 1/4 x 4	240

Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Blue Ceramic Coating



Part Number	Size	Page
CF320 - CF328	3/16 x 1-1/4 - 3/16 x 1-3/4	241
CF336 - CF344	3/16 x 2-1/4 - 3/16 x 2-3/4	242
CF352 - CF364	3/16 x 3-1/4 - 3/16 x 4	243
CF420 - CF428	1/4 x 1-1/4 - 1/4 x 1-3/4	244
CF436 - CF444	1/4 x 2-1/4 - 1/4 x 2-3/4	245
CF452 - CF496	1/4 x 3-1/4 - 1/4 x 4	246

STRONG-POINT™ Polegripper

Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong Shield Coated



Part Number	Size	Page
PG916 - PG948	9-15 x 1 - 9-15 x 3	247

Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Bonded Washer, Type S, Strong Shield Coated



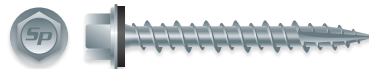
Part Number	Size	Page
PGA916 - PGA948	9-15 x 1 - 9-15 x 3	248

Unslotted Indented Hi-Hex Washer Head w/Shoulder, Hi-Low Thread, Type '17', Strong Shield Coated



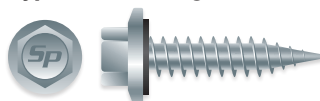
Part Number	Size	Page
PG1016 - PG1048	10-14 x 1 - 10-14 x 3	249

Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Bonded Washer, Hi-Low Thread, Type '17', Strong Shield Coated



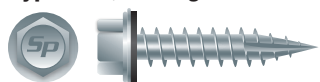
Part Number	Size	Page
PGA1016 - PGA1048	10-14 x 1 - 10-14 x 3	250

Unslotted Indented Hex Flange Head w/Bonded Washer, Type 'AB', Strong Shield Coated



Part Number	Size	Page
PGA1716	17-14 x 1	251
PGA17165	17-14 x 1	252

Unslotted Indented Hex Washer w/Bonded Washer, Type '17', Strong Shield Coated



Part Number	Size	Page
SA1416 - SA1448	14 x 1 - 14 x 3	253

STRONG-POINT™ Special Application

Acoustical Eye Lag, Self-Drilling, Zinc Plated



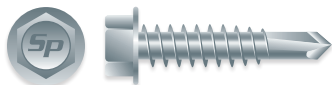
Part Number	Size	Page
EA2, EA6	1/4 x 2 - 1/4 x 2-1/4	254

Acoustical Eye Lag, Sharp Point, Plain



Part Number	Size	Page
EA3 - EA5	1/4 x 3 - 1/4 x 5	255

Submittal: SDUHW0606Z



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 3/8	H606	2	20M	Unslotted Indented Hex Washer Head, Zinc Plated
6-20 x 1/2	H608	2	15M	Unslotted Indented Hex Washer Head, Zinc Plated
6-20 x 5/8	H610	2	15M	Unslotted Indented Hex Washer Head, Zinc Plated
6-20 x 3/4	H612	2	10M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .090

- 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 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
6-20	2	149	277	462	571	855	1043		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	510	736	820					

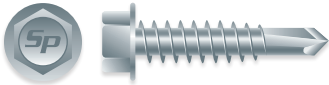
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW0808Z



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	H808	2	10M	Unslotted Indented Hex Washer Head, Zinc Plated
8-18 x 5/8	H810	2	10M	Unslotted Indented Hex Washer Head, Zinc Plated
8-18 x 3/4	H812	2	10M	Unslotted Indented Hex Washer Head, Zinc Plated
8-18 x 1	H816	2	8M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

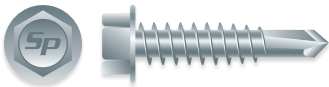
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW0820Z



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	H820	2	5M	Unslotted Indented Hex Washer Head, Zinc Plated
8-18 x 1-1/2	H824	2	5M	Unslotted Indented Hex Washer Head, Zinc Plated
8-18 x 2	H832	2	3M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

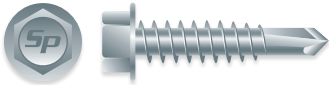
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¹(American Society of Testing Materials)

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³(Fastener Inspection Products)

Submittal: SDUHW1008Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1/2	H1008	2	8M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 5/8	H1010	2	8M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

- 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 2500 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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

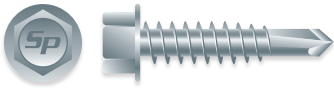
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW101212Z



STRONG-POINT[®] UNSLOTTED INDENTED HI-HEX WASHER HEAD W/REVERSE SERRATIONS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	H1012H	3	6M	Unslotted Indented Hi-Hex Washer Head w/Reverse Serrations, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

Specifications:

- Head Height: .160 - .178
- 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

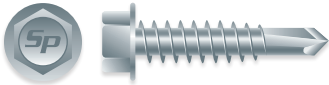
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW1012Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	H1012	3	8M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 1	H1016	3	5M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 1-1/4	H1020	3	4M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 1-1/2	H1024	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

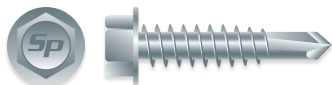
¹(American Society of Testing Materials)

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³(Fastener Inspection Products)

H1012_H1024_Rev. A (5/27/15)

Submittal: SDUHW1032Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 2	H1032	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 2-1/2	H1040	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated
10-16 x 3	H1048	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

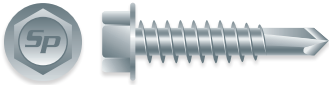
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1032_H1048_Rev. A (5/27/15)

Submittal: SDUHW1212Z



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	H1212	3	4M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 1	H1216	3	4M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 1-1/4	H1220	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 1-1/2	H1224	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

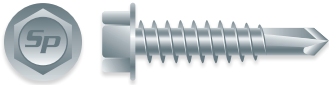
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1212_H1224_Rev. A (5/27/15)

Submittal: SDUHW1232Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 2	H1232	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 2-1/2	H1240	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 3	H1248	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated
12-14 x 4	H1264	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

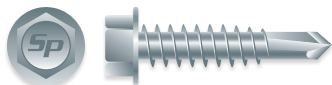
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1232_H1264_Rev. A (5/27/15)

Submittal: SDUHW1412Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	H1412	3	4M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 1	H1416	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 1-1/4	H1420	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 1-1/2	H1424	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

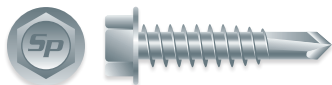
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1412_H1424_Rev. A (5/27/15)

Submittal: SDUHW1428Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 1-3/4	H1428	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 2	H1432	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 2-1/2	H1440	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 3	H1448	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

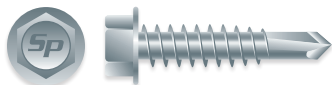
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1428_H1448_Rev. A (5/27/15)

Submittal: SDUHW1464Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 4	H1464	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 4-1/2	H1472	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 5	H1480	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated
14-14 x 6	H1496	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

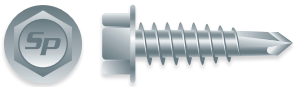
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1464_H1496_Rev. A (5/27/15)

Submittal: SD1451414Z1



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER #12 HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12 HD	H1	1	3M	Unslotted Indented Hex Washer #12 Head, Zinc Plated

Application: Attaches metal to metal. Lap/Stitching.

Drill Capacity (in.): .018 - .090

- 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 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	1/4
14-14	1	287	339	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
14-14	1		905	1401	2040	2509	2573	2738		

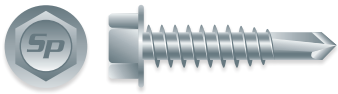
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW14167Z



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD W/LOCKING SERRATIONS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 1*	H14167	3	2.5M	Unslotted Indented Hex Washer Head w/Locking Serrations, Zinc Plated
*7/16 A.F.				

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

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 7/16" hex nut setter or 7/16" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	2040	2509	2573	2738		

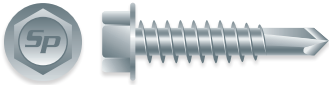
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW1616Z



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD W/LOCKING SERRATIONS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
5/16-12 x 1*	H1616	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated
5/16-12 x 1-1/2*	H1624	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated
5/16-12 x 2*	H1632	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated
*7/16 A.F.				

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 7/16" hex nut setter or 7/16" drive socket with torque limiting nose piece set at a maximum of 1750 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
5/16-12	3				1332	1380	1813	3262		

Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
5/16-12	3							5274		

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.
Note: Values reported reflect testing to date. Additional testing may be in progress or requested.

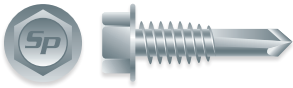
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1616_H1632_Rev. A (9/30/20)

Submittal: SD1451214Z4E



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-24 x 7/8	H4	4	4M	Unslotted Indented Hex Washer Head, Zinc Plated

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		

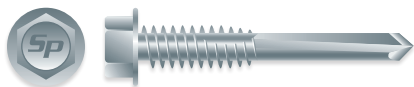
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SD1451220Z5E



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	H5	5	3.5M	Unslotted Indented Hex Washer Head, Zinc Plated
12-24 x 1-1/2	H52	5	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated
12-24 x 2	H53	5	2M	Unslotted Indented Hex Washer Head, Zinc Plated
12-24 x 3	H54	5	1M	Unslotted Indented Hex Washer Head, Zinc Plated

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

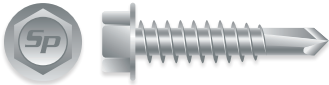
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHC1012



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	H1012C	3	8M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
10-16 x 1	H1016C	3	5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
10-16 x 1-1/2	H1024C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
10-16 x 2	H1032C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

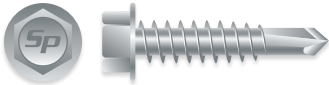
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1012C_H1032C_Rev. A (11/20/19)

Submittal: SDUHC1212



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	H1212C	3	4M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-14 x 1	H1216C	3	4M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-14 x 1-1/4	H1220C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-14 x 1-1/2	H1224C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

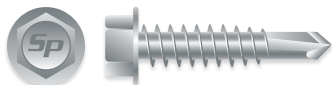
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1212C_H1224C_Rev. A (11/20/19)

Submittal: SDUHC1232



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 2	H1232C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-14 x 2-1/2	H1240C	3	1.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-14 x 3	H1248C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

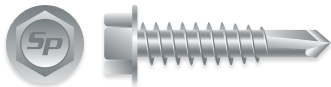
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1232C_H1248C_Rev. A (11/20/19)

Submittal: SDUHC1412



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	H1412C	3	4M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
14-14 x 1	H1416C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
14-14 x 1-1/4	H1420C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
14-14 x 1-1/2	H1424C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

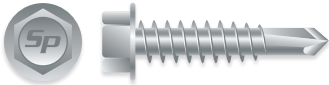
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1412C_H1424C_Rev. A (11/20/19)

Submittal: SDUHC1432



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 2	H1432C	3	1.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
14-14 x 2-1/2	H1440C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
14-14 x 3	H1448C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

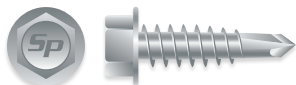
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H1432C_H1448C_Rev. A (11/20/19)

Submittal: SDUHW451414SSC



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER #12 HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12 HD	H1C	1	3M	Unslotted Indented Hex Washer #12 Head, Strong-Shield Coated

Application: Attaches metal to metal. Lap/Stitching.

Drill Capacity (in.): .018 - .090

- 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
 - 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	1/4
14-14	1	287	339	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
14-14	1		905	1401	2040	2509	2573	2738		

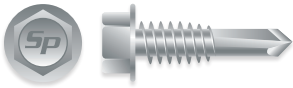
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDUHW45SSC1214



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
12-24 x 7/8	H4C	4	4M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

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
 - 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 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.

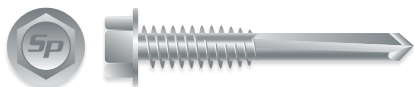
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H4C_Rev. A (7/11/17)

Submittal: SD1451220SSC5E



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	H5C	5	3.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-24 x 1-1/2	H52C	5	2.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-24 x 2	H53C	5	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
12-24 x 3	H54C	5	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

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
 - 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 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.

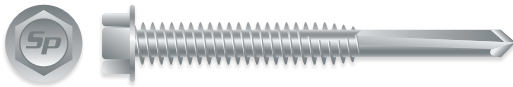
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H5C_H54C_Rev. A (7/17/19)

Submittal: SDUHW45C1448



STRONG-POINT[®] UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
1/4-20 x 3	H543C	5	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
1/4-20 x 4	H544C	5	.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

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
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



Installation: A 3/8" hex nut setter or 3/8" 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
1/4-20	5						1495	2337	3293	5021

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	5							2738	2842	3245

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.

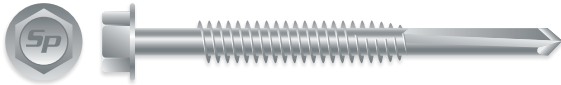
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H543C_H544C_Rev. A (7/30/20)

Submittal: SDUHW45C1480



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
1/4-20 x 5	H545C	5	.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
1/4-20 x 6	H546C	5	.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated
1/4-20 x 8	H548C	5	.25M	Unslotted Indented Hex Washer Head, Strong-Shield Coated

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
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



Installation: A 3/8" hex nut setter or 3/8" 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
1/4-20	5						1495	2337	3293	5021

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	5							2738	2842	3245

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.

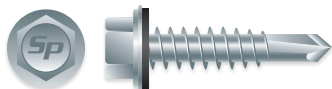
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

H545C_H548C_Rev. A (7/30/20)

Submittal: SDWSWH0808Z



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

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	HA808	2	5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8-18 x 5/8	HA810	2	5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8-18 x 3/4	HA812	2	5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8-18 x 1	HA816	2	4M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

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 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

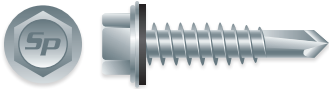
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDWSWH0820Z



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

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	HA820	2	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8-18 x 1-1/2	HA824	2	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8-18 x 2	HA832	2	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

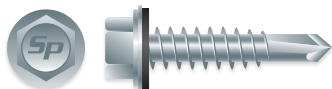
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDWSWH1008Z



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

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1/2	HA1008	2	4M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 5/8	HA1010	2	4M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

- 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 2500 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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

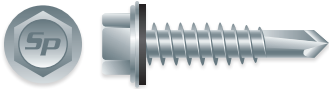
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDWSWH1012Z



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

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	HA1012	3	4M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 1	HA1016	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

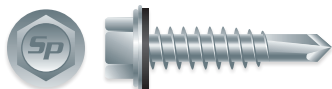
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDWSWH1020Z



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

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1-1/4	HA1020	3	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 1-1/2	HA1024	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 2	HA1032	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 2-1/2	HA1040	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10-16 x 3	HA1048	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

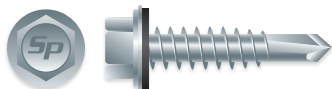
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1020_HA1048_Rev. A (5/27/15)

Submittal: SDWSWH1212Z



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

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	HA1212	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 1	HA1216	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 1-1/4	HA1220	3	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 1-1/2	HA1224	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

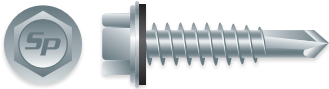
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1212_HA1224_Rev. A (5/27/15)

Submittal: SDWSWH1232Z



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

Size	Part#	Pt.	Case Qty.	Description
12-14 x 2	HA1232	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 2-1/2	HA1240	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 3	HA1248	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
12-14 x 4	HA1264	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 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.

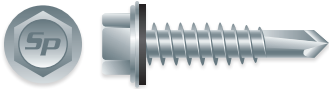
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1232_HA1264_Rev. A (5/27/15)

Submittal: SDWSWH1412Z



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

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	HA1412	3	3M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 1	HA1416	3	2.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 1-1/4	HA1420	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 1-1/2	HA1424	3	2M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

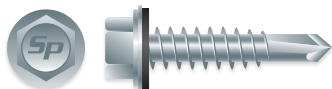
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1412_HA1424_Rev. A (5/27/15)

Submittal: SDWSWH1428Z



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

Size	Part#	Pt.	Case Qty.	Description
14-14 x 1-3/4	HA1428	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 2	HA1432	3	1.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 2-1/2	HA1440	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 3	HA1448	3	1M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

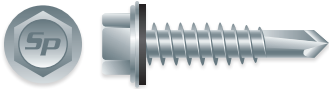
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1428_HA1448_Rev. A (5/27/15)

Submittal: SDWSWH1464Z



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

Size	Part#	Pt.	Case Qty.	Description
14-14 x 4	HA1464	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 5	HA1480	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
14-14 x 6	HA1496	3	.5M	Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

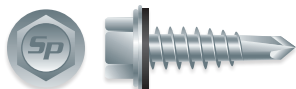
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1464_HA1496_Rev. A (5/27/15)

Submittal: SDWSWH1414Z1



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, #12 HEAD, ZINC PLATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12HD	HA1	1	2.5M	Unslotted Indented Hex Washer, #12 Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal. Lap/Stitching.

Drill Capacity (in.): .018 - .090

- 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 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	1/4
14-14	1	287	339	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
14-14	1		905	1401	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.

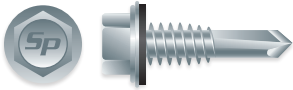
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1_Rev. A (2/15/18)

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.

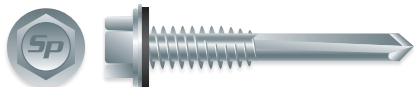
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA4_Rev. A (5/27/15)

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.

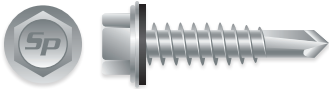
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA5_HA54_Rev. A (5/27/15)

Submittal: SDWSWHC1012



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	HA1012C	3	4M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
10-16 x 1	HA1016C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
10-16 x 1-1/2	HA1024C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
10-16 x 2	HA1032C	3	1.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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 2500 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

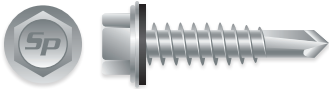
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1012C_HA1032C_Rev. A (11/20/19)

Submittal: SDWSWHC1212



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	HA1212C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-14 x 1	HA1216C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-14 x 1-1/4	HA1220C	3	2.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-14 x 1-1/2	HA1224C	3	2M	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 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 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.

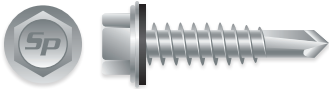
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1212C_HA1224C_Rev. A (11/20/19)

Submittal: SDWSWHC1232



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM 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 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 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.

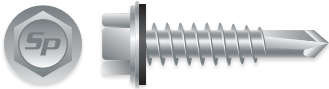
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1232C_HA1248C_Rev. A (11/20/19)

Submittal: SDWSWHC1412



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	HA1412C	3	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
14-14 x 1	HA1416C	3	2.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
14-14 x 1-1/4	HA1420C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
14-14 x 1-1/2	HA1424C	3	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

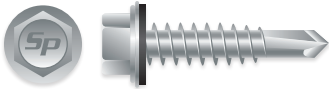
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1412C_HA1424C_Rev. A (11/20/19)

Submittal: SDWSWHC1432



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 2	HA1432C	3	1.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
14-14 x 2-1/2	HA1440C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
14-14 x 3	HA1448C	3	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 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 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	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
14-14	3		905	1401	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.

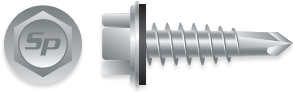
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA1432C_HA1448C_Rev. A (11/20/19)

Submittal: SDWSWH1414SSC



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, #12 HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12HD	HA1C	1	2.5M	Unslotted Indented Hex Washer, #12 Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal. Lap/Stitching.
Drill Capacity (in.): .018 - .090

- 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
 - 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	1/4
14-14	1	287	339	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
14-14	1		905	1401	2040	2509	2573	2738		

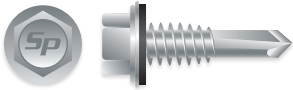
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDWSWH451214SSC



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-24 x 7/8	HA4C	4	3M	Unslotted Indented Hex Washer Head, Strong-Shield Coated 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
 - 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 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.

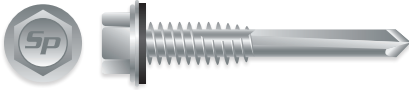
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA4C_Rev. A (7/11/17)

Submittal: SDWSWH1220ZE



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD, STRONG-SHIELD COATED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	HA5C	5	3.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-24 x 1-1/2	HA52C	5	2.5M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-24 x 2	HA53C	5	2M	Unslotted Indented Hex Washer Head, Strong-Shield Coated w/Bonded NEO-EPDM Washer
12-24 x 3	HA54C	5	1M	Unslotted Indented Hex Washer Head, Strong-Shield Coated 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
 - 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 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.

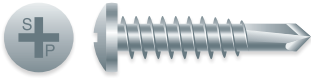
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

HA5C_HA54C_Rev. A (7/17/19)

Submittal: SDPPH0606Z



STRONG-POINT[®] PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 3/8	P63	2	20M	Phillips Pan Head, Zinc Plated
6-20 x 1/2	P64	2	20M	Phillips Pan Head, Zinc Plated
6-20 x 5/8	P65	2	15M	Phillips Pan Head, Zinc Plated
6-20 x 3/4	P66	2	10M	Phillips Pan Head, Zinc Plated
6-20 x 1	P68	2	10M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .090

- 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 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. 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
6-20	2	149	277	462	571	855	1043		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	510	736	820					

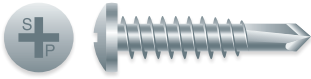
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPPH0806Z



STRONG-POINT[®] PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3/8	P83	2	10M	Phillips Pan Head, Zinc Plated
8-18 x 1/2	P84	2	10M	Phillips Pan Head, Zinc Plated
8-18 x 5/8	P85	2	10M	Phillips Pan Head, Zinc Plated
8-18 x 3/4	P86	2	10M	Phillips Pan Head, Zinc Plated
8-18 x 1	P88	2	8M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

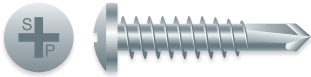
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPPH0820Z



STRONG-POINT® PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	P810	2	5M	Phillips Pan Head, Zinc Plated
8-18 x 1-1/2	P812	2	5M	Phillips Pan Head, Zinc Plated
8-18 x 2	P816	2	3M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

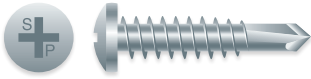
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPPH1008Z



STRONG-POINT[®] PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1/2	P104	2	10M	Phillips Pan Head, Zinc Plated
10-16 x 5/8	P105	2	10M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

- 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 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. 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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

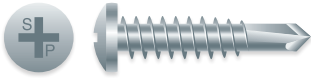
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPPH1008Z



STRONG-POINT[®] PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	P106	3	8M	Phillips Pan Head, Zinc Plated
10-16 x 1	P108	3	5M	Phillips Pan Head, Zinc Plated
10-16 x 1-1/4	P109	3	5M	Phillips Pan Head, Zinc Plated
10-16 x 1-1/2	P110	3	4M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

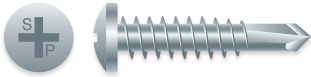
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPPH1032Z



STRONG-POINT[®] PHILLIPS PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 2	P116	3	3M	Phillips Pan Head, Zinc Plated
10-16 x 2-1/2	P120	3	1.5M	Phillips Pan Head, Zinc Plated
10-16 x 3	P124	3	1M	Phillips Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

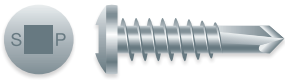
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDQPH0808Z



STRONG-POINT® SQUARE DRIVE PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	P84Q	2	10M	Square drive Pan Head, Zinc Plated
8-18 x 3/4	P86Q	2	10M	Square drive Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

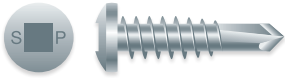
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDQPH1012Z



STRONG-POINT® SQUARE DRIVE PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	P106Q	3	8M	Square drive Pan Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

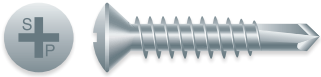
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPOH0812Z



STRONG-POINT[®] PHILLIPS OVAL HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3/4	086	2	10M	Phillips Oval Head, Zinc Plated
8-18 x 1	088	2	7.5M	Phillips Oval Head, Zinc Plated
8-18 x 1-1/4	089	2	6M	Phillips Oval Head, Zinc Plated
8-18 x 1-1/2	090	2	5M	Phillips Oval Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

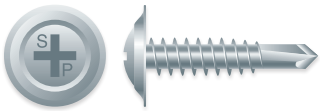
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDSEM0812Z



STRONG-POINT[®] PHILLIPS #6 OVAL HEAD SEMS, ZINC PLATED W/FINISHING WASHER

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3/4	E83	2	8M	Phillips #6 Oval Head Sems, Zinc Plated w/Finishing Washer
8-18 x 1	E84	2	6M	Phillips #6 Oval Head Sems, Zinc Plated w/Finishing Washer
8-18 x 1-1/4	E85	2	5M	Phillips #6 Oval Head Sems, Zinc Plated w/Finishing Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

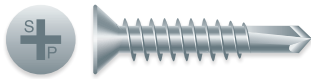
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPFH0808Z



STRONG-POINT[®] PHILLIPS FLAT HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	F82	2	10M	Phillips Flat Head, Zinc Plated
8-18 x 3/4	F83	2	10M	Phillips Flat Head, Zinc Plated
8-18 x 1	F84	2	8M	Phillips Flat Head, Zinc Plated
8-18 x 1-1/4	F85	2	5M	Phillips Flat Head, Zinc Plated
8-18 x 1-1/2	F86	2	5M	Phillips Flat Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

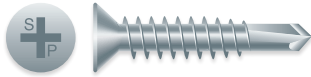
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPFH1012Z



STRONG-POINT[®] PHILLIPS FLAT HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	F106	3	8M	Phillips Flat Head, Zinc Plated
10-16 x 1	F108	3	5M	Phillips Flat Head, Zinc Plated
10-16 x 1-1/4	F109	3	4M	Phillips Flat Head, Zinc Plated
10-16 x 1-1/2	F110	3	4M	Phillips Flat Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

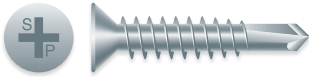
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPFH1012Z



STRONG-POINT[®] PHILLIPS FLAT HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 2	F116	3	3M	Phillips Flat Head, Zinc Plated
10-16 x 2-1/2	F120	3	1.5M	Phillips Flat Head, Zinc Plated
10-16 x 3	F124	3	1M	Phillips Flat Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

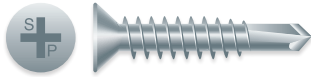
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPFH1216Z



STRONG-POINT[®] PHILLIPS FLAT HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 1	F208	3	4M	Phillips Flat Head, Zinc Plated
12-14 x 1-1/2	F212	3	3M	Phillips Flat Head, Zinc Plated
12-14 x 2	F216	3	2M	Phillips Flat Head, Zinc Plated
12-14 x 3	F224	3	1M	Phillips Flat Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2000 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
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		

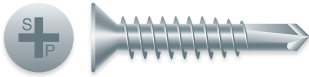
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPFH1416Z



STRONG-POINT[®] PHILLIPS FLAT HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 1	F408	3	3M	Phillips Flat Head, Zinc Plated
14-14 x 1-1/2	F412	3	2M	Phillips Flat Head, Zinc Plated
14-14 x 2	F416	3	1.5M	Phillips Flat Head, Zinc Plated
14-14 x 3	F424	3	1M	Phillips Flat Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- 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 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
14-14	3	287	339	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
14-14	3		905	1401	2040	2509	2573	2738		

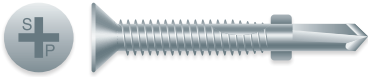
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPRF1026Z



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

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-16 x 1-5/8	R158	3	4M	1/4" - 7/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .176

- 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 2500 RPM drive speed recommended. Use a #2 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

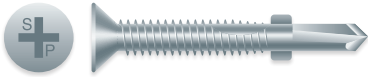
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPRF1232Z



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

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
12-24 x 2	R200	3	2M	1/2" - 1-1/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated
12-24 x 2-1/4	R214	3	1.5M	1/2" - 1-3/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated
12-24 x 2-1/2	R2123	3	1.5M	1/2" - 1-5/8"	Phillips Flat Head Reamer w/Wings, Zinc Plated

Application: Attaches wood to metal.
Drill Capacity (in.): .110 - .210

- 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 2000 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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3	484	679	959	1489	2371	3384	3732

Shear Values (Avg. Lbs.)								
Fastener								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3				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.

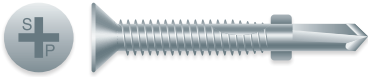
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

R200_R2123_Rev. A (5/27/15)

Submittal: SDPRF1240Z



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

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
12-24 x 2-1/2	R212	4	1.5M	1/2" - 1-1/2"	Phillips Flat Head Reamer w/Wings, Zinc Plated

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

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 2000 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								
Size	Pt.	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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	4				1989	1972		

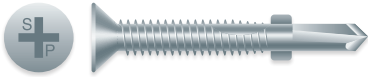
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

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.

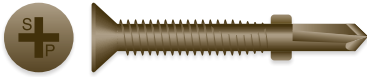
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

R234_R334_Rev. A (5/27/15)

Submittal: SDPRF1232W



STRONG-POINT[®] PHILLIPS FLAT HEAD REAMER w/WINGS, WAR COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
12-24 x 2	R200W	3	2M	1/2" - 1-1/8"	Phillips Flat Head Reamer w/Wings, WAR Coated

Application: Attaches wood to metal.
Drill Capacity (in.): .110 - .210

- 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
 - WAR coating exceeds 1,000/hr. salt spray resistance



- Features:
- Designed to work with ACQ treated lumber
 - Wings ream hole in wood preventing "jacking action"

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2000 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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3	484	679	959	1489	2371	3384	3732

Shear Values (Avg. Lbs.)								
Fastener								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3				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.

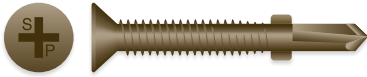
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

R200W_Rev. A (8/24/17)

Submittal: SDPRF1240W



STRONG-POINT[®] PHILLIPS FLAT HEAD REAMER w/WINGS, WAR COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
12-24 x 2-1/2	R212W	4	1.5M	1/2" - 1-1/2"	Phillips Flat Head Reamer w/Wings, WAR Coated

Application: Attaches wood to metal.
Drill Capacity (in.): .110 - .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
 - WAR coating exceeds 1,000/hr. salt spray resistance



- Features:
- Designed to work with ACQ treated lumber
 - Wings ream hole in wood preventing "jacking action"

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2000 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								
Size	Pt.	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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	4				1989	1972		

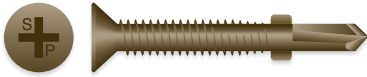
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPRF1444W



STRONG-POINT® PHILLIPS FLAT HEAD REAMER w/WINGS, WAR COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
1/4-20 x 2-3/4	R234W	4	1M	3/4" - 1-3/4"	Phillips Flat Head Reamer w/Wings, WAR Coated
1/4-20 x 3-1/4	R314W	4	1M	3/4" - 2-1/4"	Phillips Flat Head Reamer w/Wings, WAR Coated
1/4-20 x 3-1/2	R312W	4	.8M	3/4" - 2-1/2"	Phillips Flat Head Reamer w/Wings, WAR Coated
1/4-20 x 3-3/4	R334W	4	.5M	3/4" - 2-3/4"	Phillips Flat Head Reamer w/Wings, WAR Coated
1/4-20 x 4-3/4	R434W	4	.5M	3/4" - 3-3/4"	Phillips Flat Head Reamer w/Wings, WAR Coated

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

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - WAR coating exceeds 1,000/hr. salt spray resistance



- Features:
- Designed to work with ACQ treated lumber
 - 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)

R234W_R434W_Rev. A (4/25/18)

Submittal: SDPQFH1040W



STRONG-POINT® PHILLIPS/SQUARE DRIVE FLAT HEAD PILOT POINT, WAR COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-16 x 2-1/2	FP212W	3	1.5M	1/4" - 1-1/4"	Phillips/Square Drive Flat Head Pilot Point, WAR Coated

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .176

- 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
 - WAR coating exceeds 1,000/hr. salt spray resistance



Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 Square drive bit, #2 Phillips drive bit, or combo 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

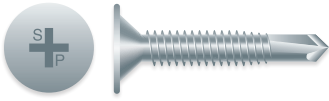
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPWH0816Z



STRONG-POINT® PHILLIPS WAFER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
8-18 x 1	W804	2	8M	1/4" - 1/2"	Phillips Wafer Head, Zinc Plated

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

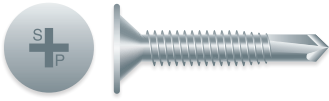
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPWH1012Z



STRONG-POINT[®] PHILLIPS WAFER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-24 x 3/4	W103	3	7M	1/4" - 3/8"	Phillips Wafer Head, Zinc Plated
10-24 x 1	W104	3	5M	1/4" - 1/2"	Phillips Wafer Head, Zinc Plated
10-24 x 1-1/4	W105	3	3M	1/4" - 3/4"	Phillips Wafer Head, Zinc Plated
10-24 x 1-1/2	W106	3	2M	1/4" - 1"	Phillips Wafer Head, Zinc Plated
10-24 x 2	W108	3	2M	1/4" - 1-1/2"	Phillips Wafer Head, Zinc Plated

Application: Attaches plywood to metal.
Drill Capacity (in.): .035 - .176

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 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
10-24	3		335	496	702	901	1469	2112	2668

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-24	3		709	1231	1497	1508			

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.

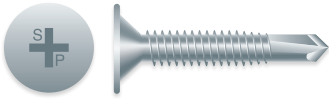
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

W103_W108_Rev. A (6/29/23)

Submittal: SDPWHPW1430Z



STRONG-POINT® PHILLIPS WAFER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
1/4-14 x 1-7/8	W117	3	1.5M	1/4" - 1-3/8"	Phillips Wafer Head, Zinc Plated

Application: Attaches plywood to metal.
Drill Capacity (in.): .048 - .220

- 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 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
1/4-14	3	287	339	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
1/4-14	3		905	1401	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.

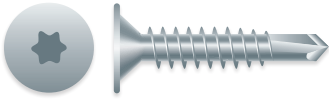
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

W117_Rev. A (5/27/15)

Submittal: SDTWH1012Z



STRONG-POINT® STAR DRIVE WAFER HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-16 x 3/4	W103T	3	7M	1/4" - 3/8"	Star drive Wafer Head, Zinc Plated
10-16 x 1	W104T	3	5M	1/4" - 1/2"	Star drive Wafer Head, Zinc Plated
10-16 x 1-1/4	W105T	3	3M	1/4" - 3/4"	Star drive Wafer Head, Zinc Plated
10-16 x 1-1/2	W106T	3	2M	1/4" - 1"	Star drive Wafer Head, Zinc Plated

Application: Attaches plywood to metal.
Drill Capacity (in.): .035 - .176

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a T-25 Star 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

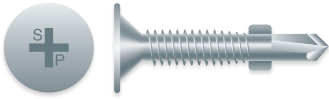
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

W103T_W106T_Rev. A (5/27/15)

Submittal: SDPRW1023Z



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

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-24 x 1-7/16	R107	3	4M	1/4" - 3/4"	Phillips Wafer Head w/Wings, Zinc Plated

Application: Attaches plywood to metal.
Drill Capacity (in.): .035 - .176

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 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
10-24	3		335	496	702	901	1469	2112	2668

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-24	3		709	1231	1497	1508			

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.

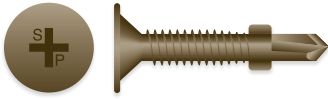
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

R107_Rev. A (5/27/15)

Submittal: SDPRW1023W



STRONG-POINT® PHILLIPS WAFER HEAD w/WINGS, WAR COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
10-24 x 1-7/16	R107W	3	4M	1/4" - 3/4"	Phillips Wafer Head w/Wings, WAR Coated

Application: Attaches plywood to metal.
Drill Capacity (in.): .035 - .176

- 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
 - WAR coating exceeds 1,000/hr. salt spray resistance



- Features:
- Designed to work with ACQ treated lumber
 - Wings ream hole in wood preventing "jacking action"

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 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
10-24	3		335	496	702	901	1469	2112	2668

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-24	3		709	1231	1497	1508			

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)

R107W_Rev. A (5/27/15)

Submittal: SDDPF0607B



STRONG-POINT® PHILLIPS PAN HEAD FRAMING SCREWS, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
6-20 x 7/16	F6	2	10M	Phillips Pan Head Framing Screws, Phosphate Coating

Application: Attaches metal track to metal studs.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed

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. 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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)

Submittal: SDDPF0707B



STRONG-POINT[®] PHILLIPS PAN HEAD FRAMING SCREWS, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
7-20 x 7/16	F7	2	10M	Phillips Pan Head Framing Screws, Phosphate Coating

Application: Attaches metal track to metal studs.
Drill Capacity (in.): .035 - .090

Specifications:

- Meets ASTM¹ C 1513 for cold-formed steel framing connections
- Meets ASTM A 510 for carbon steel manufacturing
- Meets ASTM C 954 for attaching track to steel studs
- Manufactured to SAE² J78 for dimensional specifications
- Meets F.I.P.³-1000.7 for torsional strength and drill speed

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. 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
7-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
7-20	2	444	721	875	912				

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)

F7_Rev. A (8/24/17)

Submittal: SDDPF0607Z



STRONG-POINT® PHILLIPS PAN HEAD FRAMING SCREWS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 7/16	F6Z	2	10M	Phillips Pan Head Framing Screws, Zinc Plated

Application: Attaches metal track to metal studs.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - 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 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. 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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)

Submittal: SDDPF0707Z



STRONG-POINT[®] PHILLIPS PAN HEAD FRAMING SCREWS, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
7-20 x 7/16	F7Z	2	10M	Phillips Pan Head Framing Screws, Zinc Plated

Application: Attaches metal track to metal studs.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - 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 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. 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
7-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
7-20	2	444	721	875	912				

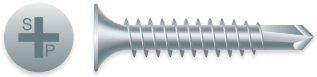
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDDPB0616Z



STRONG-POINT[®] PHILLIPS BUGLE HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1	D610Z	2	10M	Phillips Bugle Head, Zinc Plated
6-20 x 1-1/8	D611Z	2	10M	Phillips Bugle Head, Zinc Plated
6-20 x 1-1/4	D614Z	2	8M	Phillips Bugle Head, Zinc Plated
6-20 x 1-5/8	D615Z	2	5M	Phillips Bugle Head, Zinc Plated
6-20 x 1-7/8	D617Z	2	4M	Phillips Bugle Head, Zinc Plated

Application: Attaches gypsum, insulation and wood to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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.

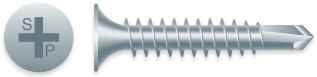
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D610Z_D617Z_Rev. A (4/27/23)

Submittal: SDDPB0838Z



STRONG-POINT[®] PHILLIPS BUGLE HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 2-3/8	D823Z	2	2.5M	Phillips Bugle Head, Zinc Plated
8-18 x 2-5/8	D825Z	2	2M	Phillips Bugle Head, Zinc Plated
8-18 x 3	D830Z	2	2M	Phillips Bugle Head, Zinc Plated

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

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 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.

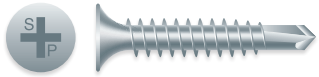
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D823Z_D830Z_Rev. A (4/27/23)

Submittal: SDDPB1056Z



STRONG-POINT[®] PHILLIPS BUGLE HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3-1/2	D1031Z	2	1M	Phillips Bugle Head, Zinc Plated
10-16 x 4	D1040Z	2	1M	Phillips Bugle Head, Zinc Plated
10-16 x 5	D1050Z	2	.5M	Phillips Bugle Head, Zinc Plated
10-16 x 6	D1060Z	2	.5M	Phillips Bugle Head, Zinc Plated

Application: Attaches gypsum, insulation and wood to metal.
Drill Capacity (in.): .035 - .110

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - 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 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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

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)

D1031Z_D1060Z_Rev. A (5/3/19)

Submittal: SDDPB0616B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1	D610	2	10M	Phillips Bugle Head, Phosphate Coating
6-20 x 1-1/8	D611	2	10M	Phillips Bugle Head, Phosphate Coating
6-20 x 1-1/4	D614	2	8M	Phillips Bugle Head, Phosphate Coating
6-20 x 1-5/8	D615	2	5M	Phillips Bugle Head, Phosphate Coating
6-20 x 1-7/8	D617	2	4M	Phillips Bugle Head, Phosphate Coating

Application: Attaches gypsum, insulation and wood to metal.

Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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)

D610_D617_Rev. A (8/28/17)

Submittal: SDDPB0838B



STRONG-POINT[®] 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 ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 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.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D823_D830_Rev. A (8/28/17)

Submittal: SDDPB1056B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3-1/2	D1031	2	1M	Phillips Bugle Head, Phosphate Coating
10-16 x 4	D1040	2	1M	Phillips Bugle Head, Phosphate Coating

Application: Attaches gypsum, insulation and wood to metal.
Drill Capacity (in.): .035 - .110

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching track to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed

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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

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.

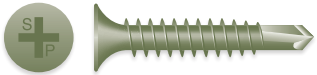
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D1031_D1040_Rev. A (8/28/17)

Submittal: SDDPBDG0620R



STRONG-POINT® PHILLIPS BUGLE HEAD, RUSPERT COATING

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1-1/4	D614R	2	8M	Phillips Bugle Head, Ruspert Coating
6-20 x 1-5/8	D615R	2	5M	Phillips Bugle Head, Ruspert Coating
6-20 x 1-7/8	D617R	2	4M	Phillips Bugle Head, Ruspert Coating

Application: Attaches exterior sheathing to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching gypsum board to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Ruspert coating meets ASTM B 117 for salt spray corrosion
 - Exceeds 1,000/hrs. salt spray resistance

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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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.

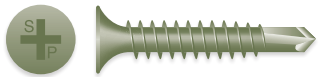
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D614R_D617R_Rev. A (5/3/19)

Submittal: SDDPBDG0838R



STRONG-POINT[®] PHILLIPS BUGLE HEAD, RUSPERT COATING

Size	Part#	Pt.	Case Qty.	Description
8-18 x 2-3/8	D823R	2	2.5M	Phillips Bugle Head, Ruspert Coating
8-18 x 2-5/8	D825R	2	2M	Phillips Bugle Head, Ruspert Coating
8-18 x 3	D830R	2	2M	Phillips Bugle Head, Ruspert Coating

Application: Attaches exterior sheathing to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching gypsum board to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Ruspert coating meets ASTM B 117 for salt spray corrosion
 - Exceeds 1,000/hrs. salt spray resistance

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.

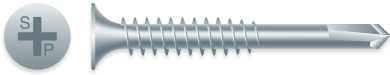
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D823R_D830R_Rev. A (5/3/19)

Submittal: SDDPB0832Z



STRONG-POINT[®] PHILLIPS BUGLE HEAD PILOT POINT, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 2	D820Z	2	3.5M	Phillips Bugle Head Pilot Point, Zinc Plated

Application: Attaches 3/4" lumber or thinner to steel.
Drill Capacity (in.): .035 - .104

Specifications:

- Meets ASTM¹ C 1513 for cold-formed steel framing connections
- Meets ASTM A 510 for carbon steel manufacturing
- Meets ASTM C 954 for attaching track to steel studs
- 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

- Pilot Point prevents "jacking action"

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.

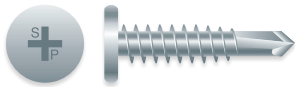
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

D820Z_Rev. A (8/28/17)

Submittal: SDPRWPC1010Z



STRONG-POINT® PHILLIPS PANCAKE HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 5/8	PC5	3	8M	Phillips Pancake Head, Zinc Plated
10-16 x 1	PC8	3	5M	Phillips Pancake Head, Zinc Plated
10-16 x 1-1/2	PC12	3	4M	Phillips Pancake Head, Zinc Plated

Application: Attaches panel clips to metal studs.
Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

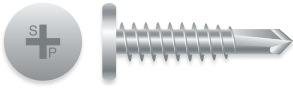
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDPRWPCC1016



STRONG-POINT[®] PHILLIPS PANCAKE HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1	PC8C	3	5M	Phillips Pancake Head, Strong-Shield Coated
10-16 x 1-1/2	PC12C	3	4M	Phillips Pancake Head, Strong-Shield Coated

Application: Attaches panel clips to metal studs.
Drill Capacity (in.): .035 - .176

- 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
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

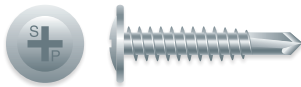
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

PC8C_PC12C_Rev. A (6/29/17)

Submittal: SDDPM0808Z



STRONG-POINT® PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	M82Z	2	10M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 3/4	M83Z	2	8M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 1	M84Z	2	5M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 1-1/4	M85Z	2	5M	Phillips Modified Truss (R/W) Head, Zinc Plated

Application: Attaches wire lath to metal studs.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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.

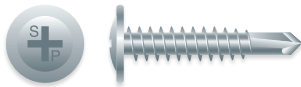
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

M82Z_M85Z_Rev. A (7/5/15)

Submittal: SDDPM0826Z



STRONG-POINT[®] PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-5/8	M87Z	2	4M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 1-7/8	M88Z	2	2M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 2-1/2	M92Z	2	2M	Phillips Modified Truss (R/W) Head, Zinc Plated
8-18 x 3	M95Z	2	1.5M	Phillips Modified Truss (R/W) Head, Zinc Plated

Application: Attaches wire lath to metal studs.
Drill Capacity (in.): .035 - .100

- 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 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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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.

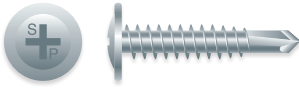
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

M87Z_M95Z_Rev. A (7/5/15)

Submittal: SDDPM1010Z



STRONG-POINT[®] PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	M106Z	3	7M	Phillips Modified Truss (R/W) Head, Zinc Plated

Application: Attaches wire lath to metal studs or metal to metal.

Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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)

M106Z_Rev. A (7/17/19)

Submittal: SDDPM1064Z



STRONG-POINT[®] PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 4	M1032Z	3	1M	Phillips Modified Truss (R/W) Head, Zinc Plated

Application: Attaches wire lath to metal studs or metal to metal.

Drill Capacity (in.): .035 - .176

- 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 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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

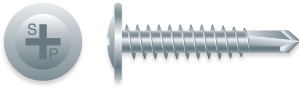
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

M1032Z_Rev. A (10/25/19)

Submittal: SDDPM1212Z



STRONG-POINT[®] PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	M126Z	3	4M	Phillips Modified Truss (R/W) Head, Zinc Plated

Application: Attaches wire lath to metal studs or metal to metal.

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

- 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 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
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		

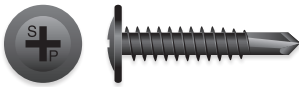
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDDPM0808B



STRONG-POINT® PHILLIPS MODIFIED TRUSS (R/W) HEAD, BLACK OXIDE

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	M82B	2	10M	Phillips Modified Truss (R/W) Head, Black Oxide
8-18 x 3/4	M83B	2	8M	Phillips Modified Truss (R/W) Head, Black Oxide
8-18 x 1	M84B	2	5M	Phillips Modified Truss (R/W) Head, Black Oxide
8-18 x 1-1/4	M85B	2	5M	Phillips Modified Truss (R/W) Head, Black Oxide

Application: Attaches wire lath to metal studs.
Drill Capacity (in.): .035 - .100

- 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

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. 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	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

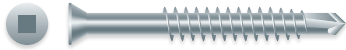
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDDQT0626Z



STRONG-POINT® SQUARE DRIVE TRIM HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1-5/8	T1QZ	2	5M	Square Drive Trim Head, Zinc Plated
6-20 x 2-1/4	T2QZ	2	3M	Square Drive Trim Head, Zinc Plated
6-20 x 2-1/4**	T2QZF	2	3M	Square Drive Trim Head, Zinc Plated
**Full Thread				

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced Square drive bit. 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

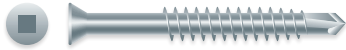
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¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDDQT0848Z



STRONG-POINT® SQUARE DRIVE TRIM HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3	T3QZ	2	2M	Square Drive Trim Head, Zinc Plated

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM¹ 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 standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced Square drive bit. 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

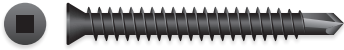
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: SDDQT0616B



STRONG-POINT® SQUARE DRIVE TRIM HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
7-19 x 1	T0Q	2	10M	Square Drive Trim Head, Phosphate Coating

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ 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

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced Square drive bit. 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
7-19	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
7-19	2	444	721	875	912				

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)

Submittal: SDDQT0626B



STRONG-POINT® SQUARE DRIVE TRIM HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1-5/8	T1Q	2	5M	Square Drive Trim Head, Phosphate Coating
6-20 x 2-1/4	T2Q	2	3M	Square Drive Trim Head, Phosphate Coating

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .090

Specifications:

- Meets ASTM¹ 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

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced Square drive bit. 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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)

Submittal: SDDQT0848B



STRONG-POINT® SQUARE DRIVE TRIM HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3	T3Q	2	2M	Square Drive Trim Head, Phosphate Coating

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM¹ 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

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced Square drive bit. 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
8-18	2	260	292	479	685	933	1533		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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)

Submittal: SDDPT0626B



STRONG-POINT[®] PHILLIPS TRIM HEAD, PHOSPHATE COATING

Size	Part#	Pt.	Case Qty.	Description
6-20 x 1-5/8	T1P	2	5M	Phillips Trim Head, Phosphate Coating
6-20 x 2-1/4	T2P	2	3M	Phillips Trim Head, Phosphate Coating

Application: Attaches wood to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Meets ASTM¹ 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

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced 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
6-20	2	126	218	366	496	825	1004		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	444	721	875	912				

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)

T1P_T2P_Rev. A (5/12/23)

Submittal: DWPSB0612B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, FINE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 3/4	606	15M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1	610	10M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1-1/8	611	10M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1-1/4	614	8M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1-1/2	612	6M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1-5/8	615	5M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 1-3/4	616	4M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 2	620	3.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating
6 x 2-1/4	624	3M	Phillips Bugle Head, Fine Thread, Phosphate Coating

Application: Attaches gypsum board to light gauge steel.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPSB0740B



STRONG-POINT® PHILLIPS BUGLE HEAD, FINE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
7 x 2-1/2	722	2.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating

Application: Attaches gypsum board to light gauge steel.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPSB0840B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, FINE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
8 x 2-1/2	822	2.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating
8 x 3	830	2M	Phillips Bugle Head, Fine Thread, Phosphate Coating

Application: Attaches gypsum board to light gauge steel.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPSB1056B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, FINE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
10 x 3-1/2	1031	1M	Phillips Bugle Head, Fine Thread, Phosphate Coating
10 x 3-3/4	1033	.8M	Phillips Bugle Head, Fine Thread, Phosphate Coating
10 x 4	1040	.8M	Phillips Bugle Head, Fine Thread, Phosphate Coating
10 x 4-1/2	1041	.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating
10 x 5	1050	.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating
10 x 6	1060	.5M	Phillips Bugle Head, Fine Thread, Phosphate Coating

Application: Attaches gypsum board to light gauge steel.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCB0612B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 3/4	606C	15M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1	610C	10M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-1/8	611C	10M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-1/4	614C	8M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-1/2	612C	6M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-5/8	615C	5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-3/4	616C	4M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 2	620C	3.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
6 x 2-1/4	624C	3M	Phillips Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches gypsum board to wood studs or used in light duty wood to wood applications. Also used in particle board attachments.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCB0724B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
7 x 1-1/2	712C	6M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
7 x 2	720C	3.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
7 x 2-1/2	722C	2.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches gypsum board to wood studs or used in light duty wood to wood applications. Also used in particle board attachments.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCB0840B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
8 x 1-1/4	814C	8M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
8 x 1-1/2	812C	6M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
8 x 2	820C	3.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
8 x 2-1/2	822C	2.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
8 x 3	830C	2M	Phillips Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches gypsum board to wood studs or used in light duty wood to wood applications. Also used in particle board attachments.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCB1056B



STRONG-POINT® PHILLIPS BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
10 x 3-1/2	1031C	1M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
10 x 3-3/4	1033C	.8M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
10 x 4	1040C	.8M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
10 x 4-1/2	1041C	.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
10 x 5	1050C	.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating
10 x 6	1060C	.5M	Phillips Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches gypsum board, foam, insulation to wood.

- Specifications:**
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCB0620B



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 1-1/4	614QC	8M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating
6 x 1-5/8	615QC	5M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating
6 x 2	620QC	3.5M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches soft wood to wood studs.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCB0732B



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
7 x 2	720QC	3.5M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches soft wood to wood studs.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCB0840B



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
8 x 2-1/2	822QC	2.5M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating
8 x 3	830QC	2M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating

Application: Attaches soft wood to wood studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPHB0616B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, HI-LOW THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 1	610HL	10M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating
6 x 1-1/4	614HL	8M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating
6 x 1-5/8	615HL	5M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating
6 x 2	620HL	3.5M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating
6 x 2-1/4	624HL	3M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating

Application: Attaches gypsum board to wood or metal studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPHB0840B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, HI-LOW THREAD, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
8 x 2-1/2	822HL	2.5M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating
8 x 3	830HL	2M	Phillips Bugle Head, Hi-Low Thread, Phosphate Coating

Application: Attaches gypsum board to wood or metal studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Features:

- Type 'S' point for fastening gypsum to light gauge steel

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCB1024B



STRONG-POINT[®] PHILLIPS BUGLE HEAD, LAMINATING SCREW, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
10 x 1-1/2	LAM	5M	Phillips Bugle Head, Laminating Screw, Phosphate Coating

Application: Attaches double-layered gypsum board.

Specifications:

- Meets ASTM¹ A 548 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPFB0607B



STRONG-POINT® PHILLIPS PAN HEAD FRAMING SCREWS, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 7/16	6F	10M	Phillips Pan Head Framing Screws, Phosphate Coating

Application: Attaches 20 gauge metal track to 20 gauge metal studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for type 'S' products

Features:

- Type 'S' point for fastening light gauge steel
- Reverse locking serrations for stripping control and vibration protection

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. Installed fasteners must penetrate a minimum of three full threads beyond the metal structure.

Pullout Values (Avg. Lbs.)							
Fastener	Steel Gauge						
Size	22	20	18	16	14	12	1/8
6 x 7/16	247	316					

Shear Values (Avg. Lbs.)							
Fastener	Steel Gauge (Lapped)						
Size	22	20	18	16	14	12	1/8
6 x 7/16	624	747					

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)

6F_Rev. A (9/11/18)

Submittal: DWPFB0707B



STRONG-POINT[®] PHILLIPS PAN HEAD FRAMING SCREWS w/SERRATIONS, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
7 x 7/16	7F	10M	Phillips Pan Head Framing Screws w/Serrations, Phosphate Coating

Application: Attaches 20 gauge metal track to 20 gauge metal studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for type 'S' products

Features:

- Type 'S' point for fastening light gauge steel
- Reverse locking serrations for stripping control and vibration protection

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. Installed fasteners must penetrate a minimum of three full threads beyond the metal structure.

Pullout Values (Avg. Lbs.)							
Fastener	Steel Gauge						
Size	22	20	18	16	14	12	1/8
7 x 7/16	247	316					

Shear Values (Avg. Lbs.)							
Fastener	Steel Gauge (Lapped)						
Size	22	20	18	16	14	12	1/8
7 x 7/16	624	747					

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)

7F_Rev. A (7/6/15)

Submittal: DWPTB0626B



STRONG-POINT[®] PHILLIPS TRIM HEAD, SHARP POINT, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 1-5/8	1PT	5M	Phillips Trim Head, Sharp Point, Phosphate Coating
6 x 2-1/4	2PT	3M	Phillips Trim Head, Sharp Point, Phosphate Coating

Application: Attaches wood trim to drywall or studs.

Specifications:

- Meets ASTM¹ A 548 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #1 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush or just below the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWQTB0616B



STRONG-POINT[®] SQUARE DRIVE TRIM HEAD, SHARP POINT, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
6 x 1**	0QT	10M	Square Drive Trim Head, Sharp Point, Phosphate Coating
6 x 1-5/8	1QT	5M	Square Drive Trim Head, Sharp Point, Phosphate Coating
6 x 2-1/4	2QT	3M	Square Drive Trim Head, Sharp Point, Phosphate Coating
**Full Thread			

Application: Attaches wood trim to drywall or studs.

- Specifications:**
- Meets ASTM¹ A 548 for carbon steel manufacturing
 - Meets ASTM C 1002 for attaching gypsum board to studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #1 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush or just below the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWQTB0848B



STRONG-POINT® SQUARE DRIVE TRIM HEAD, SHARP POINT, PHOSPHATE COATING

Size	Part#	Case Qty.	Description
8 x 3	3QT	2M	Square Drive Trim Head, Sharp Point, Phosphate Coating

Application: Attaches wood trim to drywall or studs.

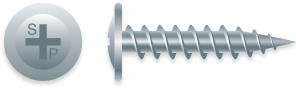
Specifications:

- Meets ASTM¹ A 548 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to studs

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #1 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush or just below the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPMZ0808Z



STRONG-POINT® PHILLIPS MODIFIED TRUSS (R/W) HEAD, K-LATH, ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 1/2	84MZ	10M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 9/16	85MZ	10M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 3/4	86MZ	8M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 1	88MZ	5M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 1-1/4	89MZ	5M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 1-5/8	90MZ	4M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 1-7/8	92MZ	2.5M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 2-1/2	95MZ	2M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated
8 x 3	97MZ	1.5M	Phillips Modified Truss (R/W) Head, K-Lath, Zinc Plated

Application: Multipurpose sheet metal screw for light to medium gauge applications.
Attaches wire lath to wood or light gauge metal.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. Do not over torque as it can cause the head to snap, stripping of the recess, or damage to the work surface.

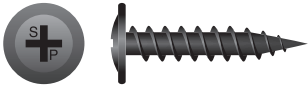
Pullout Values (Avg. Lbs.)							
Fastener	Steel Gauge						
Size	22	20	18	16	14	12	1/8
8	166	237	406	505			

Shear Values (Avg. Lbs.)							
Fastener	Steel Gauge (Lapped)						
Size	22	20	18	16	14	12	1/8
8	525	787	966	1044			

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)

Submittal: DWPMB0809B



STRONG-POINT[®] PHILLIPS MODIFIED TRUSS (R/W) HEAD, K-LATH, BLACK OXIDE COATED

Size	Part#	Case Qty.	Description
8 x 9/16	85MB	10M	Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide Coated
8 x 3/4	86MB	8M	Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide Coated
8 x 1	88MB	5M	Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide Coated
8 x 1-1/4	89MB	5M	Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide Coated
8 x 1-5/8	90MB	4M	Phillips Modified Truss (R/W) Head, K-Lath, Black Oxide Coated

Application: Multipurpose sheet metal screw for light gauge metal or wood applications.
Finishing screw for use when aesthetics are important.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips Drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

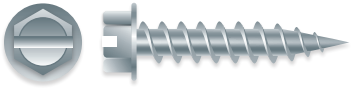
Pullout Values (Avg. Lbs.)							
Fastener	Steel Gauge						
Size	22	20	18	16	14	12	1/8
8	166	237	406	505			

Shear Values (Avg. Lbs.)							
Fastener	Steel Gauge (Lapped)						
Size	22	20	18	16	14	12	1/8
8	525	787	966	1044			

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)

Submittal: NPSHZ0606Z



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
6 x 3/8	N606	20M	Slotted Indented Hex Washer Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

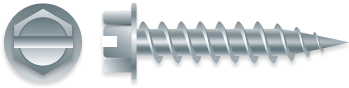
- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

N606_Rev. A (7/7/15)

Submittal: NPSHZ0708Z



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
7 x 1/2	N708	15M	Slotted Indented Hex Washer Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

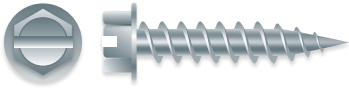
- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

N708_Rev. A (7/7/15)

Submittal: NPSHZ0808Z



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 1/2	N808	15M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 5/8	N810	10M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 3/4	N812	10M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 1	N816	8M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 1-1/4	N820	5M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 1-1/2	N824	5M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 2	N832	3M	Slotted Indented Hex Washer Head, Zinc Plated
8 x 3	N848	1.5M	Slotted Indented Hex Washer Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

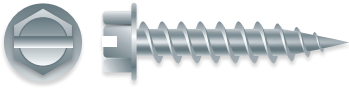
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPSHZ1008Z



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
10 x 1/2	N1008	10M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 3/4	N1012	8M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 1	N1016	5M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 1-1/2	N1024	5M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 2	N1032	2M	Slotted Indented Hex Washer Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

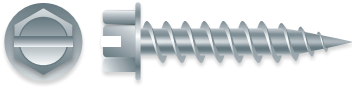
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPSHZ1024Z/HI-HD



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD w/HI-HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
10 x 1-1/2	N1024H	3M	Slotted Indented Hex Washer Head w/Hi-Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

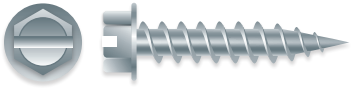
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPSHZ10085Z



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
10 x 1/2	N10085	10M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 3/4	N10125	8M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 1	N10165	5M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 1-1/2	N10245	3M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 2	N10325	2M	Slotted Indented Hex Washer Head, Zinc Plated
10 x 3	N10485	1.5M	Slotted Indented Hex Washer Head, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

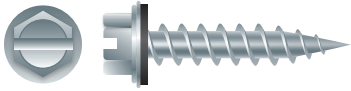
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPWSW0808Z



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

Size	Part#	Case Qty.	Description
8 x 1/2	NA808	5M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8 x 3/4	NA812	5M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8 x 1	NA816	4M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8 x 1-1/2	NA824	3M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8 x 2	NA832	2M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
8 x 3	NA848	1.5M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

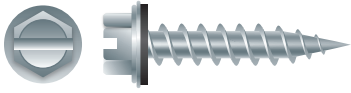
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds
- Bonded washer creates leak proof seal

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

NA808_NA848_Rev. A (8/27/19)

Submittal: NPWSW1012Z



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

Size	Part#	Case Qty.	Description
10 x 3/4	NA1012	4M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 1	NA1016	3M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 1-1/2	NA1024	2.5M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 2	NA1032	2M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

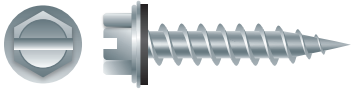
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds
- Bonded washer creates leak proof seal

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPWSW10165Z



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

Size	Part#	Case Qty.	Description
10 x 3/4	NA10125	4M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 1	NA10165	2.5M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 1-1/2	NA10245	2M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer
10 x 2	NA10325	2M	Slotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

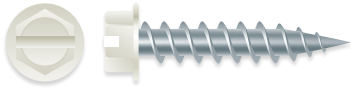
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds
- Bonded washer creates leak proof seal

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPSHZ0808ZWH



STRONG-POINT® SLOTTED INDENTED HEX WASHER HEAD PAINTED WHITE, ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 1/2	NW808	15M	Slotted Indented Hex Washer Head Painted White, Zinc Plated
8 x 3/4	NW812	10M	Slotted Indented Hex Washer Head Painted White, Zinc Plated
8 x 1-1/2	NW824	5M	Slotted Indented Hex Washer Head Painted White, Zinc Plated
8 x 2	NW832	3M	Slotted Indented Hex Washer Head Painted White, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal or wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

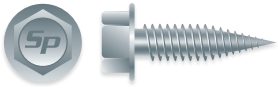
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a minimum of 1400 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.

¹(American Society of Testing Materials)

Submittal: NPUHZ0808Z



STRONG-POINT UNSLOTTED INDENTED HEX WASHER HEAD w/SERRATIONS, FINE THREAD, RAZOR POINT, ZINC PLATED

Size	Part#	Case Qty.	Description
8-32 x 1/2	NU808	10M	Unslotted Indented Hex Washer Head w/Serrations, Fine Thread, Razor Point, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

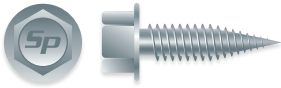
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 20° point pierces light gauge metal quickly
- Razor non-walking point for faster engagement

Installation: A 1/4" hex magnetic nut setter or 1/4" magnetic drive socket with torque limiting nose piece set at a minimum of 2450 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.

¹(American Society of Testing Materials)

Submittal: NPUHZ1012Z



STRONG-POINT UNSLOTTED INDENTED HI-HEX WASHER HEAD, FINE THREAD, RAZOR POINT, ZINC PLATED

Size	Part#	Case Qty.	Description
10-24 x 3/4	NU1012H	5M	Unslotted Indented Hi-Hex Washer Head, Fine Thread, Razor Point, Zinc Plated

Application: Attaches light gauge sheet metal to sheet metal.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

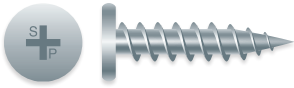
Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 20° point pierces light gauge metal quickly
- Razor non-walking point for faster engagement
- Hi-Hex head provides deeper tool engagement for improved drivability

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a minimum of 2450 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.

¹(American Society of Testing Materials)

Submittal: DWPMZPC08A



STRONG-POINT® PANCAKE HEAD, ZINC PLATED

Size	Part#	Case Qty.	Description
10-12 x 1	108PC	5M	Phillips Pancake Head, Zinc Plated
10-12 x 1-1/2	112PC	3M	Phillips Pancake Head, Zinc Plated

Application: Attaches panel clips to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Multipurpose sheet metal screw for light to medium gauge applications
- 22° point pierces light gauge metal
- Twin fast thread design creates faster installation speeds

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. Do not over torque as it can cause the head to snap, stripping of the recess, or damage to the work surface.

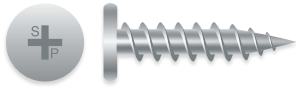
Pullout Values (Avg. Lbs.)					
Fastener	Wood Embedment				
Size	1/2" PLY	5/8" PLY	3/4" PLY	YELLOW PINE	3/4" OSB
10-12	357	375	396	572	278

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)

108PC_112PC_Rev. A (9/29/22)

Submittal: DWPMZPCC08A



STRONG-POINT® PANCAKE HEAD, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
10-12 x 1	108PCC	5M	Phillips Pancake Head, Strong-Shield Coated
10-12 x 1-1/2	112PCC	3M	Phillips Pancake Head, Strong-Shield Coated

Application: Attaches panel clips to wood.

- Specifications:**
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



- Features:**
- Multipurpose sheet metal screw for light to medium gauge applications
 - 22° point pierces light gauge metal
 - Twin fast thread design creates faster installation speeds

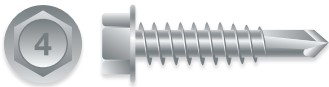
Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. Do not over torque as it can cause the head to snap, stripping of the recess, or damage to the work surface.

Pullout Values (Avg. Lbs.)					
Fastener	Wood Embedment				
Size	1/2" PLY	5/8" PLY	3/4" PLY	YELLOW PINE	3/4" OSB
10-12	357	375	396	572	278

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)

Submittal: SD410H0808BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	4H808	2	5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
8-18 x 3/4	4H812	2	5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
8-18 x 1	4H816	2	4M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

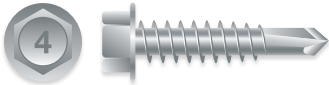
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410H1008BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1/2	4H1008	2	5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 2500 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
10-16	2	267	360	534	763	1005	1606		

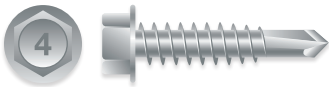
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410H1012BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	4H1012	3	4M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
10-16 x 1	4H1016	3	3M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
10-16 x 1-1/4	4H1020	3	2.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
10-16 x 1-1/2	4H1024	3	2M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
10-16 x 2	4H1032	3	1.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 2500 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
10-16	3	261	293	487	690	941	1432	2017	

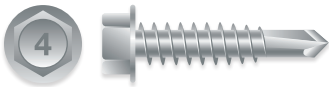
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410H1212BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	4H1212	3	4M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1	4H1216	3	3M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1-1/4	4H1220	3	3M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1-1/2	4H1224	3	2.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 2	4H1232	3	2M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 2-1/2	4H1240	3	1M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion 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

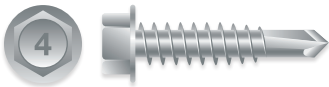
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
12-14	3		749	1320	1574	1914	1929		

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.

¹(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410H1412BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	4H1412	3	3M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1	4H1416	3	2.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1-1/4	4H1420	3	2M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1-1/2	4H1424	3	1.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 2	4H1432	3	1M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	595	856	1114	1805	2337	4416	4885

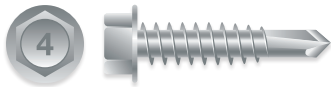
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	3		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410H1440BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 2-1/2	4H1440	3	.8M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 3	4H1448	3	.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 4	4H1464	3	.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 5	4H1480	3	.25M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 6	4H1496	3	.25M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	595	856	1114	1805	2337	4416	4885

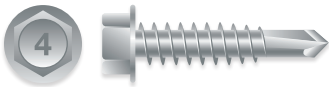
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	3		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD41014141BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER #12 HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12HD	4H1	1	2.5M	410 Stainless Steel Unslotted Indented Hex Washer #12 Head, Passivated & Waxed

Application: Attaches metal to metal. Lap/Stitching.
Drill Capacity (in.): .018 - .090

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	1	287	339	595	856	1114	1805	2337	4416	4885

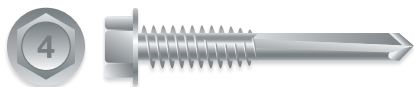
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	1		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4101220BS5



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	4H5	5	3M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-24 x 1-1/2	4H52	5	2M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-24 x 2	4H53	5	1.5M	410 Stainless Steel Unslotted Indented Hex Washer Head, Passivated & Waxed

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

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of 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	5			475	672	951	1486	2269	3593	3882

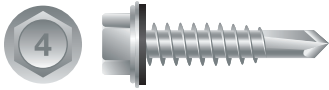
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
12-24	5							2622	2641	2682

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH0812BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	4HA808	2	5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
8-18 x 3/4	4HA812	2	5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
8-18 x 1	4HA816	2	4M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 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
8-18	2	260	292	479	685	933	1533		

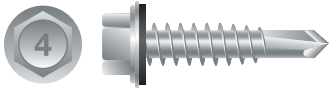
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH1012BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	4HA1012	3	4M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
10-16 x 1	4HA1016	3	3M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
10-16 x 1-1/4	4HA1020	3	2.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
10-16 x 1-1/2	4HA1024	3	2M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
10-16 x 2	4HA1032	3	1.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 2500 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
10-16	3	261	293	487	690	941	1432	2017	

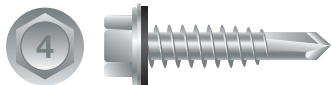
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH1212BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-14 x 3/4	4HA1212	3	3M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-14 x 1	4HA1216	3	3M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-14 x 1-1/4	4HA1220	3	2.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-14 x 1-1/2	4HA1224	3	2.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-14 x 2	4HA1232	3	1.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-14 x 2-1/2	4HA1240	3	1M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .210

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion 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

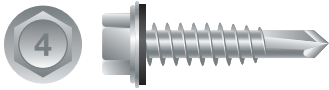
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
12-14	3		749	1320	1574	1914	1929		

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.

¹(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH1412BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 3/4	4HA1412	3	3M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 1	4HA1416	3	2.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 1-1/4	4HA1420	3	2M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 1-1/2	4HA1424	3	1.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 2	4HA1432	3	1M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	595	856	1114	1805	2337	4416	4885

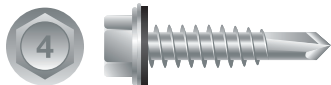
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	3		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH1440BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 2-1/2	4HA1440	3	.8M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 3	4HA1448	3	.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 4	4HA1464	3	.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
14-14 x 5	4HA1480	3	.25M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal.
Drill Capacity (in.): .060 - .220

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	3	287	339	595	856	1114	1805	2337	4416	4885

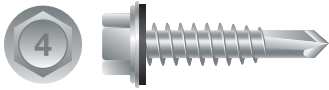
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	3		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SW14141BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER #12 HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
14-14 x 7/8 #12HD	4HA1	1	2.5M	Unslotted Indented Hex Washer #12 Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

Application: Attaches metal to metal. Lap/Stitching.
Drill Capacity (in.): .018 - .090

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 1750 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
14-14	1	287	339	595	856	1114	1805	2337	4416	4885

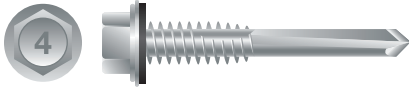
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	1		905	1401	2040	2509	2573	2738		

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD4SWH5BS



STRONG-POINT® 410 STAINLESS STEEL UNSLOTTED INDENTED HEX WASHER HEAD, PASSIVATED & WAXED W/BONDED NEO-EPDM WASHER

Size	Part#	Pt.	Case Qty.	Description
12-24 x 1-1/4	4HA5	5	3M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-24 x 1-1/2	4HA52	5	2M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
12-24 x 2	4HA53	5	1.5M	Unslotted Indented Hex Washer Head, Passivated & Waxed w/Bonded NEO-EPDM Washer

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

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of 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	5			475	672	951	1486	2269	3593	3882

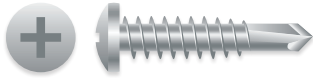
Shear Values (Avg. Lbs.)										
Fastener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
12-24	5							2622	2641	2682

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410P0606BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 3/8	4P63	2	20M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
6-20 x 1/2	4P64	2	15M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .090

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

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. 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
6-20	2	149	277	462	571	855	1043		

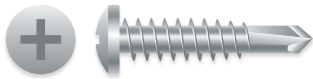
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	510	736	820					

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410P0808BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	4P84	2	10M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
8-18 x 5/8	4P85	2	8M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
8-18 x 3/4	4P86	2	7M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
8-18 x 1	4P88	2	6M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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	260	292	479	685	933	1533		

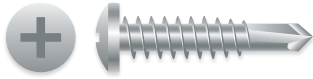
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410P0820BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	4P810	2	5M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
8-18 x 1-1/2	4P812	2	4M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

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. 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	260	292	479	685	933	1533		

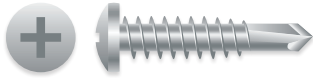
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410P1008BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1/2	4P104	2	8M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .110

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

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. 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
10-16	2	267	360	534	763	1005	1606		

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	2	574	808	1173	1233				

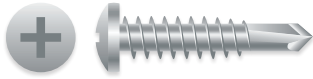
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(Society of Automotive Engineers)

²(Fastener Inspection Products)

4P104_Rev. A (7/7/15)

Submittal: SD410P1012BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	4P106	3	6M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
10-16 x 1	4P108	3	4M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
10-16 x 1-1/2	4P110	3	3M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed
10-16 x 2	4P116	3	2M	410 Stainless Steel Phillips Pan Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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
10-16	3	261	293	487	690	941	1432	2017	

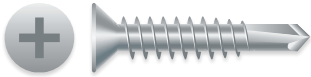
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410F0612BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS FLAT HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
6-20 x 3/4	4F63	2	10M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed
6-20 x 1	4F64	2	8M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .090

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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
6-20	2	149	277	462	571	855	1043		

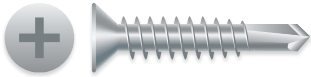
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	510	736	820					

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410F0812BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS FLAT HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 3/4	4F83	2	7M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed
8-18 x 1	4F84	2	6M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed
8-18 x 1-1/2	4F86	2	4M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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	260	292	479	685	933	1533		

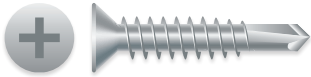
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410F1012BS



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS FLAT HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	4F103	3	6M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed
10-16 x 1	4F104	3	4M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed
10-16 x 1-1/2	4F106	3	2.5M	410 Stainless Steel Phillips Flat Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410EM0808BH



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS MODIFIED TRUSS (R/W) HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1/2	4M82	2	5M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 3/4	4M83	2	5M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 1	4M84	2	4M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 1-1/4	4M85	2	3M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 1-5/8	4M87	2	3M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 1-7/8	4M88	2	2M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 2-1/2	4M92	2	1.5M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed
8-18 x 3	4M95	2	1.5M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .100

Specifications:

- Manufactured to SAE¹ J78 for dimensional specifications
- Meets F.I.P.²-1000.7 for torsional strength and drill speed
- Medium degree of corrosion resistance

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. 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	260	292	479	685	933	1533		

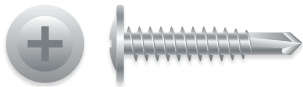
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410EM1012BH



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS MODIFIED TRUSS (R/W) HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 3/4	4M106	3	5M	410 Stainless Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed

Application: Attaches metal to metal.
Drill Capacity (in.): .035 - .176

- Specifications:
- Manufactured to SAE¹ J78 for dimensional specifications
 - Meets F.I.P.²-1000.7 for torsional strength and drill speed
 - Medium degree of corrosion resistance

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. 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
10-16	3	261	293	487	690	941	1432	2017	

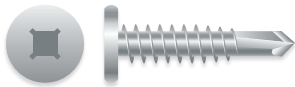
Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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(Society of Automotive Engineers)

²(Fastener Inspection Products)

Submittal: SD410PC1016C



STRONG-POINT® 410 STAINLESS STEEL PHILLIPS/SQUARE DRIVE PANCAKE HEAD, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Description
10-16 x 1	4PC8	3	4M	410 Stainless Steel Phillips/Square Drive Pancake Head, Strong-Shield Coated

Application: Attaches panel clips to metal studs.

Drill Capacity (in.): .035 - .176

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 Square drive bit, #2 Phillips drive bit, or combo 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
10-16	3	261	293	487	690	941	1432	2017	

Shear Values (Avg. Lbs.)									
Fastener		Steel Gauge (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3		709	1231	1497	1508			

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.

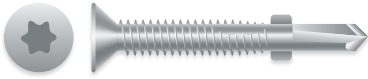
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

4PC8_Rev. A (4/27/18)

Submittal: SD410RF1240C



STRONG-POINT[®] 410 STAINLESS STEEL STAR DRIVE FLAT HEAD REAMER w/WINGS, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
12-24 x 2-1/2	4RT212	4	1M	1/2" - 1-1/2"	410 Stainless Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated

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

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



- Features:
- Used for attaching lumber, composites, floor board, deck board, and more 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 2000 RPM drive speed recommended. Use a T-30 Star 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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	4			959	1489	2371	3384	3732

Shear Values (Avg. Lbs.)								
Fastener								
Size	Pt.	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.

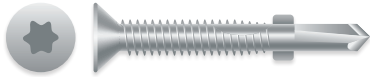
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

4RT212_Rev. A (5/4/18)

Submittal: SD410RF1444C



STRONG-POINT® 410 STAINLESS STEEL STAR DRIVE FLAT HEAD REAMER w/WINGS, STRONG-SHIELD COATED

Size	Part#	Pt.	Case Qty.	Wood Attach. Range	Description
1/4-20 x 2-3/4	4RT234	4	.8M	1/2" - 1-3/4"	410 Stainless Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated
1/4-20 x 3-1/4	4RT314	4	.5M	3/4" - 2-1/4"	410 Stainless Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated

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

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance



- Features:
- Used for attaching lumber, composites, floor board, deck board, and more 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 2000 RPM drive speed recommended. Use a T-30 Star 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								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
1/4-20	4			1114	1805	2337	4416	4885

Shear Values (Avg. Lbs.)								
Fastener								
Size	Pt.	18	16	14	12	1/8	3/16	1/4
1/4-20	4			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.

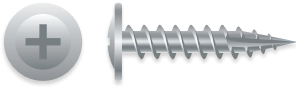
¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

4RT234_4RT314_Rev. A (5/4/18)

Submittal: DS305STRW0812T17



STRONG-POINT® 305 STAINLESS STEEL PHILLIPS MODIFIED TRUSS (R/W) HEAD, TYPE '17'

Size	Part#	Case Qty.	Description
8-18 x 3/4	X86MSS	5M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 1	X88MSS	4M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 1-1/4	X89MSS	3M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 1-5/8	X90MSS	3M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 1-7/8	X92MSS	2M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 2-1/2	X95MSS	1.5M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'
8-18 x 3	X97MSS	1.5M	305 Stainless Steel Phillips Modified Truss (R/W) Head, Type '17'

Application: Attaches wood or light gauge metal to wood.
Multipurpose sheet metal screw for light gauge metal or wood applications.

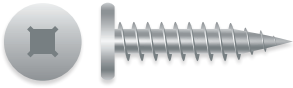
Features:

- Superior penetration through a variety of woods
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- High degree of corrosion resistance
- For use in non-magnetic applications

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 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. Installed fasteners must penetrate a minimum of three full threads beyond the metal structure.

X86MSS_X97MSS_Rev. A (8/27/19)

Submittal: DWPMZPC08ASS



STRONG-POINT® 305 STAINLESS STEEL PHILLIPS/SQUARE DRIVE PANCAKE HEAD

Size	Part#	Case Qty.	Description
10-12 x 1	108PCSS	4M	305 Stainless Steel Phillips/Square Drive Pancake Head

Application: Attaches panel clips to wood studs.

- Features:**
- Multipurpose sheet metal screw for light to medium gauge applications
 - 22° point pierces light gauge metal
 - Twin fast thread design creates faster installation speeds
 - Superior penetration through a variety of woods
 - High degree of corrosion resistance
 - For use in non-magnetic applications

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 Square drive bit, #2 Phillips drive bit, or combo bit. Do not over torque as it can cause the head to snap, stripping of the recess, or damage to the work surface.

Pullout Values (Avg. Lbs.)					
Fastener	Wood Embedment				
Size	1/2" PLY	5/8" PLY	3/4" PLY	YELLOW PINE	3/4" OSB
10-12	357	375	396	572	278

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.

108PCSS_Rev. A (10/6/20)

Submittal: DS3050820P



STRONG-POINT® 305 STAINLESS STEEL PHILLIPS BUGLE HEAD, COARSE THREAD

Size	Part#	Case Qty.	Description
8 x 1-1/4	814CSS	8M	305 Stainless Steel Phillips Bugle Head, Coarse Thread
8 x 1-5/8	815CSS	5M	305 Stainless Steel Phillips Bugle Head, Coarse Thread
8 x 2	820CSS	3.5M	305 Stainless Steel Phillips Bugle Head, Coarse Thread
8 x 2-1/2	822CSS	2.5M	305 Stainless Steel Phillips Bugle Head, Coarse Thread
8 x 3	830CSS	2M	305 Stainless Steel Phillips Bugle Head, Coarse Thread

Application: Exterior wood screw for outdoor and non-magnetic applications.
Attaches wood to wood.

Features:

- Used in fencing, decks, patio furniture, spas
- For non-magnetic fastener applications like MRI and radiology construction
- High degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

814CSS_830CSS_Rev. A (7/8/15)

Submittal: DS305STFN70820P



STRONG-POINT[®] 305 STAINLESS STEEL STAR DRIVE FLAT HEAD w/NIBS, TYPE '17'

Size	Part#	Case Qty.	Description
8 x 1-1/4	XT814SS	5M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
8 x 1-5/8	XT815SS	4M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
8 x 2	XT820SS	3M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

- Features:**
- Superior penetration through a variety of woods
 - Star drive prevents cam out and stripping for improved driveability
 - Type '17' reduces wood splitting and eliminates the need for pre-drilling
 - Nibs under head provide flush finish
 - For non-magnetic fastener applications like MRI and radiology construction
 - High degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-20 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



XT814SS_XT820SS_Rev. A (9/1/20)

Submittal: DS305STFN71040P



STRONG-POINT® 305 STAINLESS STEEL STAR DRIVE FLAT HEAD w/NIBS, TYPE '17'

Size	Part#	Case Qty.	Description
10 x 2-1/2	XT1022SS	2M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
10 x 3	XT1030SS	1.5M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
10 x 3-1/2	XT1031SS	1M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

- Features:
- Superior penetration through a variety of woods
 - Star drive prevents cam out and stripping for improved driveability
 - Type '17' reduces wood splitting and eliminates the need for pre-drilling
 - Nibs under head provide flush finish
 - For non-magnetic fastener applications like MRI and radiology construction
 - High degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



XT1022SS_XT1031SS_Rev. A (9/1/20)

Submittal: DS305STFN71264P



STRONG-POINT® 305 STAINLESS STEEL STAR DRIVE FLAT HEAD w/NIBS, TYPE '17'

Size	Part#	Case Qty.	Description
12 x 4	XT1240SS	1M	305 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

- Features:
- Superior penetration through a variety of woods
 - Star drive prevents cam out and stripping for improved driveability
 - Type '17' reduces wood splitting and eliminates the need for pre-drilling
 - Nibs under head provide flush finish
 - High degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



XT1240SS_Rev. A (7/8/15)

Submittal: DS316STFN71040MG



STRONG-POINT[®] 316 STAINLESS STEEL STAR DRIVE FLAT HEAD w/NIBS, TYPE '17'

Size	Part#	Case Qty.	Description
10 x 2-1/2	XT1022MG	2M	316 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
10 x 3	XT1030MG	1.5M	316 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'
10 x 3-1/2	XT1031MG	1M	316 Stainless Steel Star Drive Flat Head w/Nibs, Type '17'

Application: Exterior wood screws for outdoor marine-grade applications.
Attaches wood to wood.

- Features:**
- Superior penetration through a variety of woods
 - Star drive prevents cam out and stripping for improved driveability
 - Type '17' reduces wood splitting and eliminates the need for pre-drilling
 - Nibs under head provide flush finish
 - Highest degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



XT1022MG_XT1031MG_Rev. A (7/17/19)

Submittal: DS305Q7TRIM726



STRONG-POINT® 305 STAINLESS STEEL SQUARE DRIVE TRIM HEAD, COARSE THREAD, TYPE '17'

Size	Part#	Case Qty.	Description
7 x 1-5/8	X1QSS	5M	305 Stainless Steel Square Drive Trim Head, Coarse Thread, Type '17'
7 x 2-1/4	X2QSS	3M	305 Stainless Steel Square Drive Trim Head, Coarse Thread, Type '17'
7 x 3	X3QSS	2M	305 Stainless Steel Square Drive Trim Head, Coarse Thread, Type '17'

Application: Exterior wood screws for attaching trim or rails to fences.
Attaches wood to wood.

Features:

- Superior penetration through a variety of woods
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Highest degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #1 reduced Square drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



X1QSS_X3QSS_Rev. A (2/24/16)

Submittal: DS305STRIM70726P



STRONG-POINT® 305 STAINLESS STEEL STAR DRIVE TRIM HEAD, COARSE THREAD, TYPE '17'

Size	Part#	Case Qty.	Description
7 x 1-5/8	X1TSS	5M	305 Stainless Steel Star Drive Trim Head, Coarse Thread, Type '17'
7 x 2-1/4	X2TSS	3M	305 Stainless Steel Star Drive Trim Head, Coarse Thread, Type '17'
7 x 3	X3TSS	2M	305 Stainless Steel Star Drive Trim Head, Coarse Thread, Type '17'

Application: Exterior wood screws for attaching trim or rails to fences.
Attaches wood to wood.

Features:

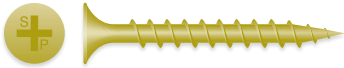
- Superior penetration through a variety of woods
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Highest degree of corrosion resistance

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-15 Star Drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.



X1TSS_X3TSS_Rev. A (7/8/15)

Submittal: DWPCY0612Y



STRONG-POINT® PHILLIPS BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
6 x 3/4	606CY	15M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 1	610CY	10M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 1-1/8	611CY	10M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 1-1/4	614CY	8M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 1-1/2	612CY	6M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 1-5/8	615CY	5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 2	620CY	3.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
6 x 2-1/4	624CY	3M	Phillips Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

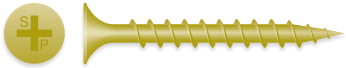
- 24/hr. salt spray resistance
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCY0732Y



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
7 x 2	720CY	3.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- 24/hr. salt spray resistance
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCY0840Y



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
8 x 2-1/2	822CY	2.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
8 x 3	830CY	2M	Phillips Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

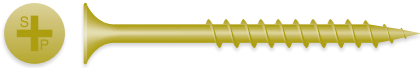
- 24/hr. salt spray resistance
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPSY1056Y



STRONG-POINT® PHILLIPS BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
10 x 3-1/2	1031SY	1M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
10 x 3-3/4	1033SY	.8M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
10 x 4	1040SY	.8M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
10 x 4-1/2	1041SY	.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
10 x 5	1050SY	.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow
10 x 6	1060SY	.5M	Phillips Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

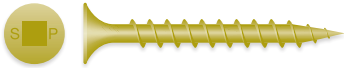
- 24/hr. salt spray resistance
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCY0620Y



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
6 x 1-1/4	614QCY	8M	Square Drive Bugle Head, Coarse Thread, Zinc Yellow
6 x 1-5/8	615QCY	5M	Square Drive Bugle Head, Coarse Thread, Zinc Yellow
6 x 2	620QCY	3.5M	Square Drive Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- 24/hr. salt spray resistance
- Square drive prevents cam out and stripping
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCY0840Y



STRONG-POINT® SQUARE DRIVE BUGLE HEAD, COARSE THREAD, ZINC YELLOW

Size	Part#	Case Qty.	Description
8 x 2-1/2	822QCY	2.5M	Square Drive Bugle Head, Coarse Thread, Zinc Yellow
8 x 3	830QCY	2M	Square Drive Bugle Head, Coarse Thread, Zinc Yellow

Application: Multi-purpose screw for interior or outdoor applications.
Attaches gypsum board or wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

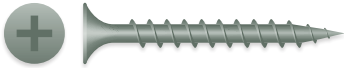
- 24/hr. salt spray resistance
- Square drive prevents cam out and stripping
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCW0620W



STRONG-POINT® PHILLIPS BUGLE HEAD, COARSE THREAD, WAR COATED

Size	Part#	Case Qty.	Description
6 x 1-1/4	614CW	8M	Phillips Bugle Head, Coarse Thread, WAR Coated
6 x 1-5/8	615CW	5M	Phillips Bugle Head, Coarse Thread, WAR Coated
6 x 2	620CW	3.5M	Phillips Bugle Head, Coarse Thread, WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber

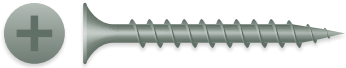


Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCW0840W



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, WAR COATED

Size	Part#	Case Qty.	Description
8 x 2-1/2	822CW	2.5M	Phillips Bugle Head, Coarse Thread, WAR Coated
8 x 3	830CW	2M	Phillips Bugle Head, Coarse Thread, WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM C 1002 for attaching gypsum board to wood or steel studs
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber

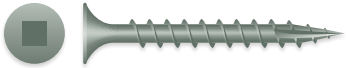


Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCG0626WAR



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
6 x 1-5/8	XQ615W	5M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated
6 x 2	XQ620W	3.5M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Square drive prevents cam out and stripping
- Type '17' reduces wood splitting and eliminates the need for pre-drilling

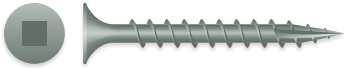


Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCG0840WAR



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
8 x 2-1/2	XQ822W	2.5M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated
8 x 3	XQ830W	2M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Square drive prevents cam out and stripping
- Type '17' reduces wood splitting and eliminates the need for pre-drilling

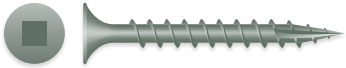


Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCW1056W



STRONG-POINT® SQUARE DRIVE BUGLE HEAD, COARSE THREAD, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
10 X 3-1/2	XQ1031W	1M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Square drive prevents cam out and stripping
- Type '17' reduces wood splitting and eliminates the need for pre-drilling

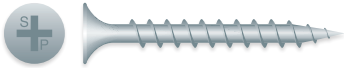


Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCD0616D



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, DACROTIZED[®]

Size	Part#	Case Qty.	Description
6 x 1	610CD	10M	Phillips Bugle Head, Coarse Thread, Dacrotized
6 x 1-1/4	614CD	8M	Phillips Bugle Head, Coarse Thread, Dacrotized
6 x 1-5/8	615CD	5M	Phillips Bugle Head, Coarse Thread, Dacrotized
6 x 2	620CD	3.5M	Phillips Bugle Head, Coarse Thread, Dacrotized
6 x 2-1/4	624CD	3M	Phillips Bugle Head, Coarse Thread, Dacrotized

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Dacrotized coating exceeds 500/hr. salt spray resistance

Coating: The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPCD0840D



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, DACROTIZED[®]

Size	Part#	Case Qty.	Description
8 x 2-1/2	822CD	2.5M	Phillips Bugle Head, Coarse Thread, Dacrotized
8 x 3	830CD	2M	Phillips Bugle Head, Coarse Thread, Dacrotized

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

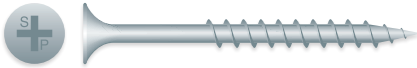
- Dacrotized coating exceeds 500/hr. salt spray resistance

Coating: The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWPSD1056D



STRONG-POINT[®] PHILLIPS BUGLE HEAD, COARSE THREAD, DACROTIZED[®]

Size	Part#	Case Qty.	Description
10 x 3-1/2	1031D	1M	Phillips Bugle Head, Coarse Thread, Dacrotized
10 x 3-3/4	1033D	1M	Phillips Bugle Head, Coarse Thread, Dacrotized
10 x 4	1040D	.8M	Phillips Bugle Head, Coarse Thread, Dacrotized
10 x 4-1/2	1041D	.5M	Phillips Bugle Head, Coarse Thread, Dacrotized
10 x 5	1050D	.5M	Phillips Bugle Head, Coarse Thread, Dacrotized
10 x 6	1060D	.5M	Phillips Bugle Head, Coarse Thread, Dacrotized

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

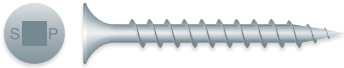
- Dacrotized coating exceeds 500/hr. salt spray resistance

Coating: The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCG0632G



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, DACROTIZED[®]

Size	Part#	Case Qty.	Description
6 x 2	620QCD	3.5M	Square Drive Bugle Head, Coarse Thread, Dacrotized

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

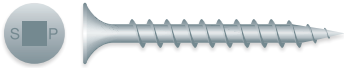
- Dacrotized coating exceeds 500/hr. salt spray resistance
- Square drive prevents cam out and stripping

Coating: The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DWSCG0840G



STRONG-POINT[®] SQUARE DRIVE BUGLE HEAD, COARSE THREAD, DACROTIZED[®]

Size	Part#	Case Qty.	Description
8 x 2-1/2	822QCD	2.5M	Square Drive Bugle Head, Coarse Thread, Dacrotized
8 x 3	830QCD	2M	Square Drive Bugle Head, Coarse Thread, Dacrotized

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

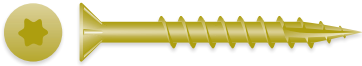
- Dacrotized coating exceeds 500/hr. salt spray resistance
- Square drive prevents cam out and stripping

Coating: The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: DSSTLT7WG0820



STRONG-POINT® STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', ZINC YELLOW

Size	Part#	Case Qty.	Description
8 x 1-1/4	XT814Y	8M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow
8 x 1-5/8	XT815Y	5M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow
8 x 2	XT820Y	3.5M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow

Application: For interior or outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Yellow Zinc coating exceeds 180/hr. salt spray resistance
- .0003 plating thickness
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

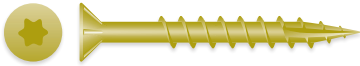
Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-20 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1"	1050	1"	765	1"	340	3/4"	600	3/4"	370	3/4"	288

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)

Submittal: DSSTLT7ZY0940



STRONG-POINT® STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', ZINC YELLOW

Size	Part#	Case Qty.	Description
9 x 2-1/2	XT922Y	2.5M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow
9 x 3	XT930Y	2M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow

Application: For interior or outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Yellow Zinc coating exceeds 180/hr. salt spray resistance
- .0003 plating thickness
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1-1/2"	1270	1-1/2"	950	1"	360	3/4"	630	3/4"	400	3/4"	334

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)

Submittal: DSSTLT7ZY1056



STRONG-POINT® STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', ZINC YELLOW

Size	Part#	Case Qty.	Description
10 x 3-1/2	XT1031Y	1M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow
10 x 4	XT1040Y	.8M	Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow

Application: For interior or outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Yellow Zinc coating exceeds 180/hr. salt spray resistance
- .0003 plating thickness
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish
- Used in low corrosion applications

Coating: The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1-1/2"	1490	1-1/2"	1150	1"	370	3/4"	642	3/4"	425	3/4"	377

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)

Submittal: DSSTLT7WG0820



STRONG-POINT® STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
8 x 1-1/4	XT814W	8M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
8 x 1-5/8	XT815W	5M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
8 x 2	XT820W	3.5M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish



Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

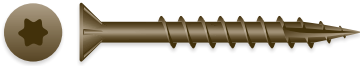
Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-20 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1"	1050	1"	765	1"	340	3/4"	600	3/4"	370	3/4"	288

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)

Submittal: DSSTLT7WG0940



STRONG-POINT[®] STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
9 x 2-1/2	XT922W	2.5M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
9 x 3	XT930W	2M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish



Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1-1/2"	1270	1-1/2"	950	1"	360	3/4"	630	3/4"	400	3/4"	334

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)

Submittal: DSSTLT7WG1056



STRONG-POINT® STAR DRIVE FLAT HEAD w/NIBS, TYPE '17', WAR COATED

Size	Part#	Case Qty.	Description
10 x 3-1/2	XT1031W	1M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
10 x 4	XT1040W	.8M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
10 x 5	XT1050W	.5M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated
10 x 6	XT1060W	.5M	Star Drive Flat Head w/Nibs, Type '17', WAR Coated

Application: Exterior wood screws for outdoor applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- WAR coating exceeds 1,000/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Star Drive prevents cam out and stripping for improved driveability
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish



Coating: The WAR coating is a high-grade metal surface processing technology that prevents fastener corrosion. The system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

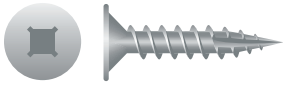
Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star drive bit. Do not over torque as it can cause the head to snap or damage to the work surface.

Pullout Values (Avg. Lbs.)											
So. Yellow Pine		Douglas Fir		Chipboard		Plywood		Particle Board		Redwood	
Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.	Embedment	Lbs.
1-1/2"	1490	1-1/2"	1150	1"	370	3/4"	642	3/4"	425	3/4"	377

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)

Submittal: DWPMCPSQW109



STRONG-POINT® PHILLIPS/SQUARE DRIVE LOW PROFILE WAFER HEAD, TYPE '17', STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
10-8 x 1-1/8	X109WC	4M	Phillips/Square Drive Low Profile Wafer Head, Type '17', Strong-Shield Coated

Application: Attaches panel clips to wood.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Rust/Acid Rain Protection
 - ACQ Compatible
 - Exceeds 1,000/hrs. salt spray resistance

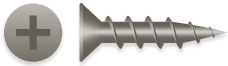


- Features:
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
 - Combo drive prevents cam out and stripping
 - Superior holding power

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 Phillips drive bit, #2 Square bit, or combo bit. Do not over torque as it can cause the head to snap, stripping of the recess, or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPF0608L



STRONG-POINT[®] PHILLIPS FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
6 x 1/2	608L	25M	Phillips Flat Head Partical Board Screws, Plain and Lubed
6 x 5/8	610L	25M	Phillips Flat Head Partical Board Screws, Plain and Lubed
6 x 3/4	612L	20M	Phillips Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

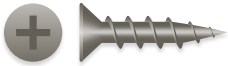
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPF0812L



STRONG-POINT® PHILLIPS FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
8 x 3/4	812L	10M	Phillips Flat Head Partical Board Screws, Plain and Lubed
8 x 1	816L	10M	Phillips Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

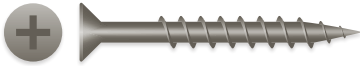
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPF0812L



STRONG-POINT[®] PHILLIPS FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
8 x 1-1/4	820L	8M	Phillips Flat Head Partical Board Screws, Plain and Lubed
8 x 1-1/2	824L	6M	Phillips Flat Head Partical Board Screws, Plain and Lubed
8 x 1-5/8	826L	5M	Phillips Flat Head Partical Board Screws, Plain and Lubed
8 x 1-3/4	828L	4M	Phillips Flat Head Partical Board Screws, Plain and Lubed
8 x 2	832L	3.5M	Phillips Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

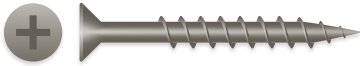
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPF0940L



STRONG-POINT[®] PHILLIPS FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
9 x 2-1/2	940L	2.5M	Phillips Flat Head Partical Board Screws, Plain and Lubed
9 x 3	948L	2M	Phillips Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

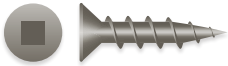
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQF0812L



STRONG-POINT® SQUARE DRIVE FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
8 x 3/4	812QL	10M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
8 x 1	816QL	10M	Square Drive Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

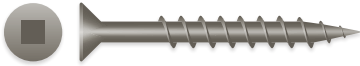
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Square drive prevents cam out and stripping
- Superior holding power

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQF0820L



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
8 x 1-1/4	820QL	8M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
8 x 1-1/2	824QL	6M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
8 x 1-5/8	826QL	5M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
8 x 1-3/4	828QL	4M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
8 x 2	832QL	3.5M	Square Drive Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

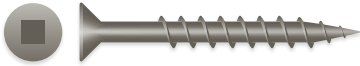
Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Square drive prevents cam out and stripping
- Superior holding power

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQF0940L



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
9 x 2-1/2	940QL	2.5M	Square Drive Flat Head Partical Board Screws, Plain and Lubed
9 x 3	948QL	2M	Square Drive Flat Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Cabinet work and furniture assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Square drive prevents cam out and stripping
- Superior holding power

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWTCSP0620B



STRONG-POINT® FACE FRAMING PHILLIPS #7 PAN HEAD, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
6-20 x 1-1/4	XP5	8M	Face Framing #7 Phillips Pan Head, Type '17', Black Oxide
6-20 x 1-1/2	XP6	7M	Face Framing #7 Phillips Pan Head, Type '17', Black Oxide

Application: Wood screws for cabinet framing assembly.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features: • Type '17' reduces wood splitting and eliminates the need for pre-drilling
• Fine thread for hardwoods
• Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

XP5_XP6_Rev. A (10/15/19)

Submittal: WWTCSQP0620B



STRONG-POINT® FACE FRAMING SQUARE DRIVE #7 PAN HEAD, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
6-20 x 1-1/4	XQ5	8M	Face Framing #7 Square Drive Pan Head, Type '17', Black Oxide
6-20 x 1-1/2	XQ6	7M	Face Framing #7 Square Drive Pan Head, Type '17', Black Oxide

Application: Wood screws for cabinet framing assembly.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Fine thread for hardwoods
- Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

XQ5_XQ6_Rev. A (1/14/21)

Submittal: WWTCSP620CB



STRONG-POINT® FACE FRAMING SQUARE DRIVE #7 PAN HEAD, COARSE THREAD, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
6-9 x 1-1/4	XQ5C	8M	Face Framing #7 Square Drive Pan Head, Coarse Thread, Type '17', Black Oxide
6-9 x 1-1/2	XQ6C	7M	Face Framing #7 Square Drive Pan Head, Coarse Thread, Type '17', Black Oxide

Application: Wood screws for cabinet framing assembly.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Coarse thread for soft woods
- Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

XQ5C_XQ6C_Rev. A (1/14/21)

Submittal: WWPBSPSQRW0816Z



STRONG-POINT[®] PHILLIPS/SQUARE ROUND WASHER HEAD PARTICLE BOARD SCREW, TYPE '17', ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 1	X816RWZ	8M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated
8 x 1-1/4	X820RWZ	6M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated
8 x 1-1/2	X824RWZ	5M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated
8 x 2	X832RWZ	3M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated
8 x 2-1/2	X840RWZ	2M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated
8 x 3	X848RWZ	1.5M	Phillips/Square Round Washer Head Particle Board Screw, Type '17', Zinc Plated

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Asymmetrical thread pattern
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 Square drive bit, #2 reduced Phillips drive bit, or combo bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPNBX0816



STRONG-POINT[®] PHILLIPS DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
8 x 1	X816NB	10M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-1/4	X820NB	8M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-1/2	X824NB	6M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-5/8	X826NB	5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-3/4	X828NB	4M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 2	X832NB	3.5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features: • Type '17' reduces wood splitting and eliminates the need for pre-drilling
• Nibs under head provide flush finish
• Asymmetrical thread pattern
• Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

X816NB_X832NB_Rev. A (7/22/19)

Submittal: WWPBSPN0940B



STRONG-POINT[®] PHILLIPS DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
9 x 2-1/2	X940NB	2.5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
9 x 3	X948NB	2M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features: • Type '17' reduces wood splitting and eliminates the need for pre-drilling
• Nibs under head provide flush finish
• Asymmetrical thread pattern
• Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQFNX0816B



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
8 x 1	XQ816NB	10M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-1/4	XQ820NB	8M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-1/2	XQ824NB	6M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-5/8	XQ826NB	5M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 1-3/4	XQ828NB	4M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
8 x 2	XQ832NB	3.5M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

XQ816NB_XQ832NB_Rev. A (7/17/19)

Submittal: WWPBSQFNX0940B



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', BLACK OXIDE

Size	Part#	Case Qty.	Description
9 x 2-1/2	XQ940NB	2.5M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide
9 x 3	XQ948NB	2M	Square Drive Flat Head w/Nibs Particle Board Screw, Type '17', Black Oxide

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications: • Meets ASTM¹ A 510 for carbon steel manufacturing

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: Black Oxide is a conversion coating that is used to add mild corrosion resistance and for appearance.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPNX0816Z



STRONG-POINT[®] PHILLIPS DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 1	X816NZ	10M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
8 x 1-1/4	X820NZ	8M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
8 x 1-1/2	X824NZ	6M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
8 x 1-5/8	X826NZ	5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
8 x 1-3/4	X828NZ	4M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
8 x 2	X832NZ	3.5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

X816NZ_X832NZ_Rev. A (7/17/19)

Submittal: WWPBSPNX0940Z



STRONG-POINT[®] PHILLIPS DRIVE FLAT HEAD w/NIBS PARTICLE BOARD SCREW, TYPE '17', ZINC PLATED

Size	Part#	Case Qty.	Description
9 x 2-1/2	X940NZ	2.5M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated
9 x 3	X948NZ	2M	Phillips Drive Flat Head w/Nibs Particle Board Screw, Type '17', Zinc Plated

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQFNX0812Z



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD w/NIBS, PARTICLE BOARD SCREWS, TYPE '17', ZINC PLATED

Size	Part#	Case Qty.	Description
8 x 3/4	XQ812NZ	10M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 1	XQ816NZ	10M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 1-1/4	XQ820NZ	8M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 1-1/2	XQ824NZ	6M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 1-5/8	XQ826NZ	5M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 1-3/4	XQ828NZ	4M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
8 x 2	XQ832NZ	3.5M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSQFNX0940Z



STRONG-POINT[®] SQUARE DRIVE FLAT HEAD w/NIBS, PARTICLE BOARD SCREWS, TYPE '17', ZINC PLATED

Size	Part#	Case Qty.	Description
9 x 2-1/2	XQ940NZ	2.5M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated
9 x 3	XQ948NZ	2M	Square Drive Flat Head w/Nibs, Particle Board Screws, Type '17', Zinc Plated

Application: Wood screw for interior wood applications.
Attaches wood to wood.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Square drive prevents cam out and stripping
- Nibs under head provide flush finish
- Asymmetrical thread pattern
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

XQ940NZ_XQ948NZ_Rev. A (2/24/16)

Submittal: WWPBSPF0608L



STRONG-POINT® PHILLIPS OVAL HEAD PARTICAL BOARD SCREWS, PLAIN AND LUBED

Size	Part#	Case Qty.	Description
6 x 5/8	6100L	25M	Phillips Oval Head Partical Board Screws, Plain and Lubed

Application: Wood screws for interior wood applications.
Attaches hinges to cabinets and drawers.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSP00610Z



STRONG-POINT® PHILLIPS OVAL HEAD PARTICAL BOARD SCREWS, ZINC PLATED

Size	Part#	Case Qty.	Description
6 x 5/8	6100LZ	25M	Phillips Oval Head Partical Board Screws, Zinc Plated

Application: Wood screws for interior wood applications.
Attaches hinges to cabinets and drawers.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWPBSPF0608Z



STRONG-POINT® PHILLIPS FLAT HEAD PARTICAL BOARD SCREWS, ZINC PLATED

Size	Part#	Case Qty.	Description
6 x 1/2	608LZ	25M	Phillips Flat Head Partical Board Screws, Zinc Plated
6 x 5/8	610LZ	25M	Phillips Flat Head Partical Board Screws, Zinc Plated
6 x 3/4	612LZ	20M	Phillips Flat Head Partical Board Screws, Zinc Plated

Application: Wood screws for interior wood applications.
Attaches hinges to cabinets and drawers.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

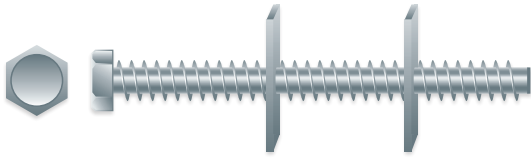
- Asymmetrical thread pattern
- Resists material slippage during pull out and vibration
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

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. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

Submittal: WWDBZ1456MZ



STRONG-POINT® DRAW BOLT JOINT FASTENER, ZINC PLATED

Size	Part#	Case Qty.	Description
1/4-20 x 3-1/2	DRAW	.5M	Draw Bolt Joint Fastener, Zinc Plated

Application: Counter-top assembly.
Used to draw counter-tops together.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Meets ASTM B 633 for electrodeposited zinc coatings
- Meets ASTM F1941 for corrosion resistance

Features:

- Adjusts without special tools
- Superior holding power

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

¹(American Society of Testing Materials)

Submittal: SDCBS0820G



STRONG-POINT® PHILLIPS WAFER HEAD W/NIBS, SELF-DRILLING, RUSPERT COATING

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	CB814	2	5M	Phillips Wafer Head w/Nibs, Self-Drilling, Ruspert Coating
8-18 x 1-5/8	CB815	2	4M	Phillips Wafer Head w/Nibs, Self-Drilling, Ruspert Coating
8-18 x 2-1/4	CB824	2	3M	Phillips Wafer Head w/Nibs, Self-Drilling, Ruspert Coating

Application: Attaches cement board to metal studs.
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM¹ C 1513 for cold-formed steel framing connections
 - Meets ASTM C 954 for attaching gypsum board to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed

- Features:
- Ruspert coating exceeds 1,000/hr. salt spray resistance
 - Ceramic coating provides protection from corrosion
 - Designed to work with all backer boards
 - Nibs under head clamp board firmly

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. 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.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

CB814_CB824_Rev. A (8/28/15)

Submittal: CBPWR0826G



STRONG-POINT[®] PHILLIPS WAFER HEAD W/NIBS, HI-LOW, SHARP POINT, RUSPERT COATING

Size	Part#	Case Qty.	Description
8-15 x 1-1/4	814CB	5M	Phillips Wafer Head w/Nibs, Hi-Low, Sharp Point, Ruspert Coating
8-15 x 1-5/8	815CB	4M	Phillips Wafer Head w/Nibs, Hi-Low, Sharp Point, Ruspert Coating
8-15 x 2-1/4	824CB	2.5M	Phillips Wafer Head w/Nibs, Hi-Low, Sharp Point, Ruspert Coating

Application: Attaches cement board to wood studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Ruspert coating exceeds 1,000/hr. salt spray resistance
- Ceramic coating provides protection from corrosion
- Designed to work with all backer boards
- Nibs under head clamp board firmly

Installation: A standard screw gun with depth sensitive nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced Phillips drive bit. Fastener is properly installed when head sits flush with the work surface. Do not countersink. Do not over torque as it can cause the head to snap or stripping of the recess. Installed fasteners must be embedded into wood substrate a minimum of 1/2".

¹(American Society of Testing Materials)

Submittal: SDCBS0820GS/P



STRONG-POINT[®] PHILLIPS WAFER HEAD W/NIBS, HI-LOW, SPOON POINT, RUSPERT COATING

Size	Part#	Case Qty.	Description
8-15 x 1-1/4	CB814SPN	5M	Phillips Wafer Head w/Nibs, Hi-Low, Spoon Point, Ruspert Coating
8-15 x 1-5/8	CB815SPN	4M	Phillips Wafer Head w/Nibs, Hi-Low, Spoon Point, Ruspert Coating

Application: Attaches cement board to wood or light gauge metal studs.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

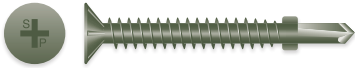
Features:

- Ruspert coating exceeds 1,000/hr. salt spray resistance
- Ceramic coating provides protection from corrosion
- Designed to work with all backer boards
- Nibs under head clamp board firmly

Installation: A standard screw gun with a depth sensitive nose piece and a #2 reduced Phillips drive bit set at a maximum of 2500 RPM drive speed recommended. Fastener is properly installed when head sits flush with the work surface. Do not countersink screws. Do not over torque as it can cause the head to snap or damage to the work surface. Installed fasteners must be embedded into wood substrate a minimum of 1/2" or penetrate a minimum of three full threads beyond the metal structure.

¹(American Society of Testing Materials)

Submittal: SDCBSRMR0820GF



STRONG-POINT[®] PHILLIPS FLAT HEAD W/NIBS AND WINGS, FIBER BOARD SCREW, RUSPERT COATING

Size	Part#	Pt.	Case Qty.	Description
8-18 x 1-1/4	FB814R	2	5M	Phillips Flat Head w/Nibs and Wings, Fiber Board Screw, Ruspert Coating
8-18 x 1-5/8	FB815R	2	4M	Phillips Flat Head w/Nibs and Wings, Fiber Board Screw, Ruspert Coating
8-18 x 2-1/4	FB824R	2	3M	Phillips Flat Head w/Nibs and Wings, Fiber Board Screw, Ruspert Coating

Application: Attaches fiber board to metal studs.
Drill Capacity (in.): .035 - .100

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Meets ASTM C 954 for attaching gypsum board to steel studs
 - Manufactured to SAE² J78 for dimensional specifications
 - Meets F.I.P.³-1000.7 for torsional strength and drill speed

- Features:
- Ruspert coating exceeds 1,000/hr. salt spray resistance
 - Ceramic coating provides protection from corrosion
 - Designed to work with all backer boards
 - Nibs under head clamp board firmly

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. 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.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

FB814R_FB824R_Rev. A (7/11/15)

Submittal: CSHWH320BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 1-1/4	CH320	5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 1-3/4	CH328	3M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Ceramic coating exceeds 500/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Notched threads for cutting into concrete, brick and cement block
- Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 1/4" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

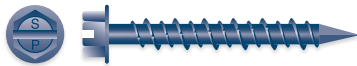
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			3,000 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1"	2-1/2"	151	255	70	52	3"

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)

Submittal: CSHWH336BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 2-1/4	CH336	2.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 2-3/4	CH344	2M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 1/4" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	422	245	70	52	3"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	125	155	70	52	3"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	313	220	70	52	3"

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)

Submittal: CSHWH352BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 3-1/4	CH352	1.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 3-3/4	CH360	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 4	CH364	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 1/4" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

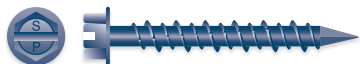
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	422	245	70	52	3"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	125	155	70	52	3"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	313	220	70	52	3"

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)

Submittal: CSHWH420BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 1-1/4	CH420	3M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 1-3/4	CH428	2M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Ceramic coating exceeds 500/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Notched threads for cutting into concrete, brick and cement block
- Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 5/16" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

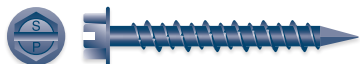
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			3,000 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1"	2-1/2"	121	209	70	52	3"

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)

Submittal: CSHWH436BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 2-1/4	CH436	1.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 2-3/4	CH444	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 5/16" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	407	556	70	52	4"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	160	335	70	52	4"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	290	390	70	52	4"

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)

Submittal: CSHWH452BC



STRONGCON[®] SLOTTED INDENTED HEX WASHER HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 3-1/4	CH452	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 3-3/4	CH460	.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 4	CH464	.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 5	CH480	.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 6	CH496	.5M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 5/16" nut setter with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	407	556	70	52	4"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	160	335	70	52	4"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	290	390	70	52	4"

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)

Submittal: CSPFH320BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 1-1/4	CF320	5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 1-3/4	CF328	4M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Ceramic coating exceeds 500/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Notched threads for cutting into concrete, brick and cement block
- Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #2 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

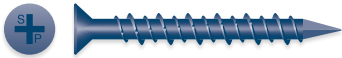
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			3,000 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1"	2-1/2"	151	255	70	52	3"

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)

Submittal: CSPFH336BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 2-1/4	CF336	2.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 2-3/4	CF344	2M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #2 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	422	245	70	52	3"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	125	155	70	52	3"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	313	220	70	52	3"

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)

CF336_CF344_Rev. A (6/29/21)

Submittal: CSPFH352BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
3/16 x 3-1/4	CF352	1.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 3-3/4	CF360	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
3/16 x 4	CF364	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 5/32 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #2 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

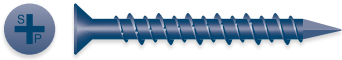
Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	422	245	70	52	3"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	125	155	70	52	3"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
3/16	1-3/4"	3-1/2"	313	220	70	52	3"

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)

CF352_CF364_Rev. A (6/29/21)

Submittal: CSPFH420BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 1-1/4	CF420	3M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 1-3/4	CF428	2M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Ceramic coating exceeds 500/hr. salt spray resistance
- Designed to work with ACQ treated lumber
- Notched threads for cutting into concrete, brick and cement block
- Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #3 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

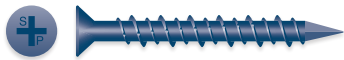
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			3,000 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1"	2-1/2"	121	209	70	52	3"

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)

Submittal: CSPFH436BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 2-1/4	CF436	1.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 2-3/4	CF444	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #3 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	407	556	70	52	4"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	160	335	70	52	4"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	290	390	70	52	4"

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)

Submittal: CSPFH452BC



STRONGCON[®] PHILLIPS FLAT HEAD, HI-LOW, NOTCHED THREADS, DIAMOND POINT, CERAMIC COATING

Size	Part#	Case Qty.	Description
1/4 x 3-1/4	CF452	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 3-3/4	CF460	.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 4	CF464	.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 5	CF480	.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating
1/4 x 6	CF496	.5M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating

Application: Attaches wood or metal to concrete, brick, cement block or masonry.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing
 - Miami-Dade County product control approved. NOA-15-0930.14



- Features:
- Ceramic coating exceeds 500/hr. salt spray resistance
 - Designed to work with ACQ treated lumber
 - Notched threads for cutting into concrete, brick and cement block
 - Diamond Point design for cutting and clearing debris during installation

Installation: Using a 3/16 carbide masonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment requirements of the concrete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #3 Phillips bit with hammer mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or stripping of the recess.

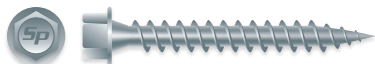
*When installing into Hollow Block CMU drill through the full thickness of face wall.

Allowable Load Capacities (Avg. Lbs.)					Structural Properties (ksi)		Spacing
Substrate: Concrete			2,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	407	556	70	52	4"
Substrate: Hollow Masonry Block			2,300 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	160	335	70	52	4"
Substrate: Grout Filled Masonry Block			4,900 PSI				
Size	Min. Embed	Min. Edge Dist.	Tension	Shear	Fu	Fy	Spacing
1/4	1-3/4"	3-1/2"	290	390	70	52	4"

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)

Submittal: PGHWH0916SSC



STRONG-POINT® POLE GRIPPER UNSLOTTED INDENTED HI-HEX WASHER HEAD W/SHOULDER, TYPE S, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
9-15 x 1	PG916	7M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong-Shield Coated
9-15 x 1-1/2	PG924	4M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong-Shield Coated
9-15 x 2	PG932	3M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong-Shield Coated
9-15 x 2-1/2	PG940	1.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong-Shield Coated
9-15 x 3	PG948	1.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Type S, Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Rust/Acid rain protection
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

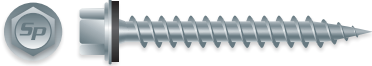
Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
9-15	165	246	324	397	632

Pullout Values (Avg. Lbs.)					
Fastener	Wood - Depth Embedded in 2" x 4"				
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"
9-15	196	326	567	724	865

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)

Submittal: PGWSW0916SSC



STRONG-POINT® POLE GRIPPER UNSLOTTED INDENTED HI-HEX WASHER HEAD W/SHOULDER AND 304 STAINLESS STEEL BONDED WASHER, TYPE S, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
9-15 x 1	PGA916	4M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Type S, Strong-Shield Coated
9-15 x 1-1/2	PGA924	2.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Type S, Strong-Shield Coated
9-15 x 2	PGA932	2M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Type S, Strong-Shield Coated
9-15 x 2-1/2	PGA940	1.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Type S, Strong-Shield Coated
9-15 x 3	PGA948	1M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Type S, Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Rust/Acid rain protection
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
9-15	165	246	324	397	632

Pullout Values (Avg. Lbs.)					
Fastener	Wood - Depth Embedded in 2" x 4"				
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"
9-15	196	326	567	724	865

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)

PGA916_PGA948_Rev. A (7/30/20)

Los Angeles 800.762.2004	New York 888.322.2262	Chicago 800.533.9669	Dallas 800.558.7222	Atlanta 800.822.9690	Portland 800.434.5606	Houston 800.558.7222	Cleveland 800.533.9669	Miami 800.822.9690
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Submittal: PGHWH1016SSC



STRONG-POINT® POLE GRIPPER UNSLOTTED INDENTED HI-HEX WASHER HEAD W/SHOULDER, SHARP POINT, HI-LOW THREAD, TYPE 17, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
10-14 x 1	PG1016	5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated
10-14 x 1-1/2	PG1024	3M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated
10-14 x 2	PG1032	2.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated
10-14 x 2-1/2	PG1040	1.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated
10-14 x 3	PG1048	1M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
10-14	182	261	346	411	639

Pullout Values (Avg. Lbs.)					
Fastener	Wood - Depth Embedded in 2" x 4"				
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"
10-14	215	655	710	1087	1246

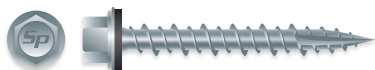
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

PG1016_PG1048_Rev. A (7/30/20)

Los Angeles 800.762.2004	New York 888.322.2262	Chicago 800.533.9669	Dallas 800.558.7222	Atlanta 800.822.9690	Portland 800.434.5606	Houston 800.558.7222	Cleveland 800.533.9669	Miami 800.822.9690
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Submittal: PGWSW1016SSC



STRONG-POINT® POLE GRIPPER UNSLOTTED INDENTED HI-HEX WASHER HEAD W/SHOULDER AND 304 STAINLESS STEEL BONDED WASHER, SHARP POINT, HI-LOW THREAD, TYPE '17', STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
10-14 x 1	PGA1016	3M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated.
10-14 x 1-1/2	PGA1024	2.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated.
10-14 x 2	PGA1032	2M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated.
10-14 x 2-1/2	PGA1040	1.5M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated.
10-14 x 3	PGA1048	1M	Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonded Washer, Sharp Point, Hi-Low Thread, Type '17', Strong-Shield Coated.

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Type '17' reduces wood splitting and eliminates the need for pre-drilling
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 1/4" hex nut setter or 1/4" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
10-14	182	261	346	411	639

Pullout Values (Avg. Lbs.)					
Fastener	Wood - Depth Embedded in 2" x 4"				
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"
10-14	215	655	710	1087	1246

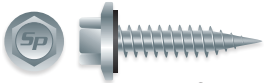
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

PGA1016_PGA1048_Rev. A (7/30/20)

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Submittal: PGWSW1716SSC



STRONG-POINT® UNSLOTTED INDENTED HEX FLANGE WASHER HEAD W/WASHER, TYPE AB, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
17-14 x 1	PGA1716	2M	Unslotted Indented Hex Flange Washer Head w/Washer, Type AB, Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Rust/Acid rain protection
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

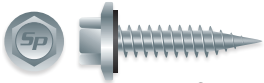
Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
17-14	222	359	491	438	549

Shear Values (Avg. Lbs.)					
Fastener	Steel Gauge (Lapped)				
Size	26	24	22	20	18
17-14	454	739	884	953	1312

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)

Submittal: PGWSW17165SSC



STRONG-POINT® UNSLOTTED INDENTED HEX FLANGE WASHER HEAD W/WASHER, TYPE AB, STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
17-14 x 1	PGA17165	2M	Unslotted Indented Hex Flange Washer Head w/Washer, Type AB, Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Rust/Acid rain protection
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

Installation: A 5/16" hex nut setter or 5/16" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

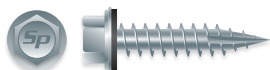
Pullout Values (Avg. Lbs.)					
Fastener	Steel Gauge				
Size	26	24	22	20	18
17-14	222	359	491	438	549

Shear Values (Avg. Lbs.)					
Fastener	Steel Gauge (Lapped)				
Size	26	24	22	20	18
17-14	454	739	884	953	1312

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)

Submittal: PGWSW1416SSC



STRONG-POINT® UNSLOTTED INDENTED HEX WASHER HEAD W/304 STAINLESS STEEL BONDED WASHER, TYPE '17', STRONG-SHIELD COATED

Size	Part#	Case Qty.	Description
14-10 x 1	SA1416	2.5M	Unslotted Indented Hex Washer Head w/304 Stainless Steel Bonded Washer, Type '17', Strong-Shield Coated
14-10 x 1-1/2	SA1424	2M	Unslotted Indented Hex Washer Head w/304 Stainless Steel Bonded Washer, Type '17', Strong-Shield Coated
14-10 x 2	SA1432	1.5M	Unslotted Indented Hex Washer Head w/304 Stainless Steel Bonded Washer, Type '17', Strong-Shield Coated
14-10 x 2-1/2	SA1440	1M	Unslotted Indented Hex Washer Head w/304 Stainless Steel Bonded Washer, Type '17', Strong-Shield Coated
14-10 x 3	SA1448	1M	Unslotted Indented Hex Washer Head w/304 Stainless Steel Bonded Washer, Type '17', Strong-Shield Coated

Application: Attaches metal to wood. Used in roofing and siding applications.

Specifications:

- Meets ASTM¹ A 510 for carbon steel manufacturing
- Product meets ASTM B-117 for salt spray corrosion testing

Features:

- Strong-Shield coating exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles
- Rust/Acid rain protection
- Designed to work with ACQ treated lumber



Coating: The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

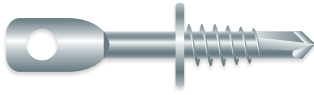
Installation: A 3/8" hex nut setter or 3/8" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. The fastener is completely installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the head to snap, or damage to the work surface.

Pullout Values (Avg. Lbs.)				
Fastener	Wood Embedment			
Size	1/2" PLY	3/4" PLY	1" SPF	1-1/2" SPF
14-10	425	721	639	1197

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)

Submittal: EALAGSD1432Z



STRONG-POINT® ACOUSTICAL EYE LAG, SELF-DRILLING, ZINC PLATED

Size	Part#	Case Qty.	Description
1/4 x 2	EA2	1M	Acoustical Eye Lag, Self-Drilling, Zinc Plated
1/4 x 3-1/4	EA6	1M	Acoustical Eye Lag, Self-Drilling, Zinc Plated

Application: Attaches drop ceiling tie wires to steel.

Specifications:

- Meets ASTM A 510¹ for carbon steel manufacturing
- Meets F.I.P.³-1000.7 for torsional strength and drill speed
- Meets ASTM F1941 for corrosion resistance

Coating: The Zinc coating prevents oxidation of steel by forming a protective barrier.

Installation: An acoustical eye lag bit with torque limiting nose piece set at a maximum of 2500 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	22	20	18	16	14	12	1/8
1/4	261	293	487	690	941	1432	2017

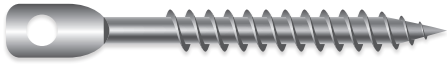
The values listed are averages achieved under laboratory conditions and imply no warranty. Appropriate safety factors should be applied to these values for design purposes.

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

Submittal: EALAG1448P



STRONG-POINT® ACOUSTICAL EYE LAG, SHARP POINT, PLAIN

Size	Part#	Case Qty.	Description
1/4 x 3	EA3	1M	Acoustical Eye Lag, Sharp Point, Plain
1/4 x 4	EA4	1M	Acoustical Eye Lag, Sharp Point, Plain
1/4 x 5	EA5	1M	Acoustical Eye Lag, Sharp Point, Plain

Application: Attaches drop ceiling tie wires to wood.

- Specifications:
- Meets ASTM¹ A 510 for carbon steel manufacturing
 - Product meets ASTM B-117 for salt spray corrosion testing

Installation: An acoustical eye lag bit with torque limiting nose piece set at a maximum of 2500 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 3/4" into the wood structure.



Pullout Values (Lbs.)								
Fastener	2 x 4 Wood Block							
Size	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Average
1/4	1124	1221	1105	1176	1202	1143	1197	1166

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.



SELF-DRILLING



NEEDLE POINT



DRYWALL



STAINLESS STEEL



STRONGCON



POLE GRIPPER



WOODWORKING



OUTDOOR

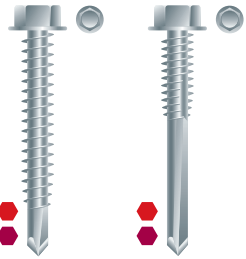


CEMENT BOARD

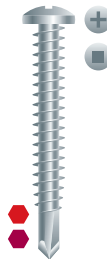


SPECIAL APPLICATION

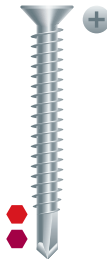
Hex Washer Head



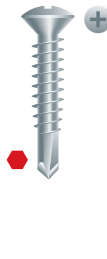
Pan Head



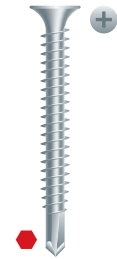
Flat Head



Oval Head



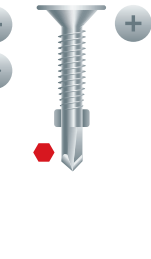
Bugle Head



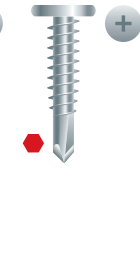
Wafer Head



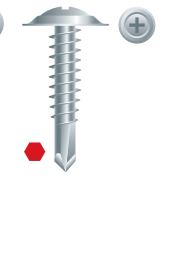
Wafer w/Wings



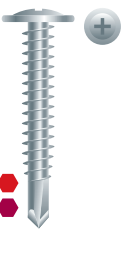
Pancake Head



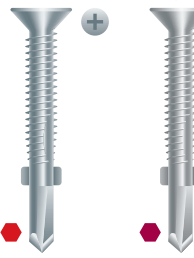
Oval Head Sems



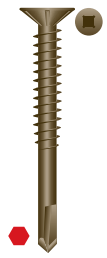
Modified Truss



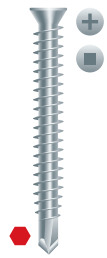
Flat Head Reamer w/Wings



Flat Head Pilot Point



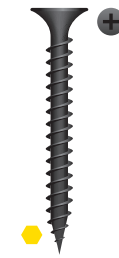
Trim Head



Pan Head Framing



Bugle Head Fine Thread



Bugle Head Coarse Thread



Bugle Head Hi-Low Thread



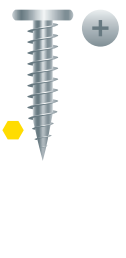
Pan Head Framing



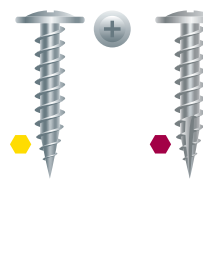
Trim Head Sharp Point



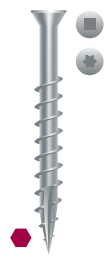
Pancake Head



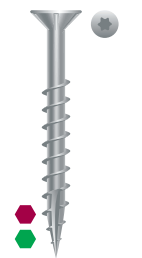
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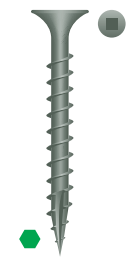
Trim Head



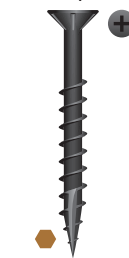
Flat Head w/Nibs Coarse Thread



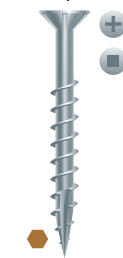
Bugle Head Coarse Thread



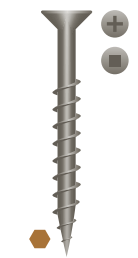
Flat Head w/Nibs



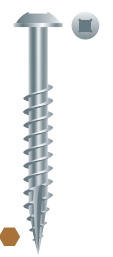
Flat Head w/Nibs



Flat Head



Round Washer Head



Pan Head Face Framing



Pan Head Face Framing



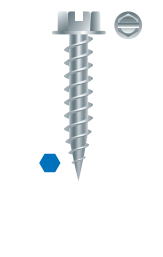
Flat Head



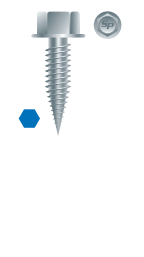
Oval Head



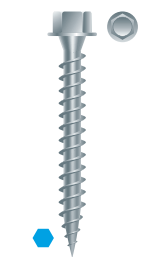
Hex Washer Head



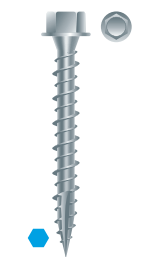
Hex Washer Head, Razor Point



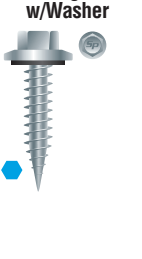
Hi-Hex Washer Head w/Shoulder



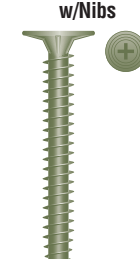
Hi-Hex Washer Head w/Shoulder



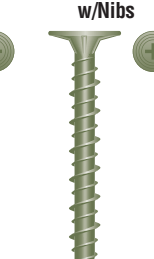
Hex Flange Head w/Washer



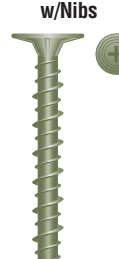
Wafer Head w/Nibs



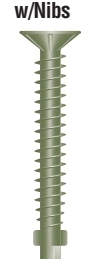
Wafer Head w/Nibs



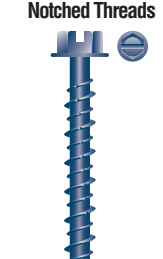
Wafer Head w/Nibs



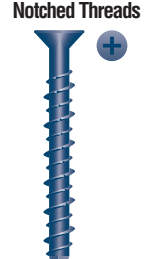
Flat Head w/Nibs



Hex Washer Head Notched Threads



Flat Head Notched Threads



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