<u>STRONG-POINT</u>®

Get the Point. Strong-Point.

Fastener Technical Data Submittals

INTERCORP 📀

<u>STRONG-POINT</u>*

lize Part 0-16 x 1/2 H100	08 2 8M L	-	nittal: DWPSB0612B														
	es metal to metal.	STRO	NG-POINT [®] PHILLIPS BUGLE		TERCO)RP 📀						RONG	-POINT trong-Point.				
ecifications: • Mee • Mee • Man • Mee • Mee	agacity (in.): 035110 ets ASTM' C 1513 for cold-formed stee ets ASTM A 510 for carbon steel manuf ster J IP-1000.7 for torsional strength ets ASTM F1941 for coronsion resistam - SE toxiusion Report: ESR-3528	6 x 1-1 6 x 1-1	606 15M 610 10M /8 611 10M /4 614 8M /2 612 6M /8 615 5M		Par 1/4 6140	PHILLIPS BUGLE t# Case Qty W 8M	_	NTERC			>			1	-strom		DN °
INTER	CORP 🐟			TRONG-P		3.5M cod screws for ou rood to wood.	D	TRONGCON TH AMOND POIN	T, CERAN	MIC COAT	ING	ASHER HEA	D, HI-LOW, I	NOTCHED TH	IREADS,		
Submittal: S				Get the Point. Strong	g-Point.	STM [®] A 510 for c			Part# C	5M	Description Slotted Indente	d Hex Washer H	ead, Hi-Low, Not	tched Threads, Di	iamond Point, Ce	ramic Coating	_
	NT [®] Phillips Modifi	INTEF	RCORP 🛷					POINT		2.5M 2M	Slotted Indente Slotted Indente	d Hex Washer H d Hex Washer H	ead, Hi-Low, Not ead, Hi-Low, Not	tched Threads, Di tched Threads, Di	iamond Point, Ce iamond Point, Ce iamond Point, Ce iamond Point, Ce	ramic Coating ramic Coating	
Size 8-18 x 1/2 8-18 x 3/4	Part# Pt. C M82Z 2 2 M83Z 2 2	•=	DSSTLT7ZY0940	INITE						GLI -		n Llow Worker L			iamond Point, Ca iamond Point, Ca		
8-18 x 1 8-18 x 1-1/4	M84Z 2 M85Z 2	STRONG-PC	DINT [®] STAR DRIVE FLAT HEA Part# Case Qty. 1		RCOR							Point. Strong-					
Application: Specifications:	Attaches wire lath to metal s Drill Capacity (in.): .0351 • Meets ASTM ¹ C 1513 for	9 x 2-1/2 9 x 3 Application:	XT922Y 2.5M 3 XT930Y 2M 3 For interior or outdoor applications.		OINT [®] POLE	GRIPPER UNSLO		INTE	RCO	ORP	~					RONG Set the Point. S	
	 Meets ASTM A 510 for ca Manufactured to SAE² J76 	Specifications:	Attaches wood to wood. Meets ASTM ¹ A 510 for carbon st	Size	Part≢		Descripti	Submitt	al: SDPRF	F1232Z							
	 Meets F.I.P.¹-1000.7 for to Meets ASTM F1941 for ct 		Product meets ASTM B-117 for s	10.11	PGA1016 PGA1024	S	Pole Gripp Sharp Poli	•		-	>						
	ICC-ES Evaluation Report	Features:	 Yellow Zinc coating exceeds 180 .0003 plating thickness 	10-14 x 1-1/2 10-14 x 2	PGA1024	S	Pole Gripp Sharp Poli Pole Gripp	STRONG					w/WINGS, 2 Attach. Range	ZINC PLATED			
Installation:	A standard screw gun with to Phillips drive bit. Do not ove		 Star Drive prevents cam out and Type '17' reduces wood splitting 	10.14-	PGA1040	S	Sharp Poil Pole Gripp	12-24 × 2		200	Pt. Case 3 21/		/2" - 1-1/8"			Wirgs, Zinc Plate	d
	minimum of three full thread		 Nibs under head provide flush fir 	2-1/2	PGA1048	1M P	Sharp Poli Pole Gripp	12-24 x 2- 12-24 x 2-		214	3 1.5 3 1.5		/2" - 1-3/8" /2" - 1-5/8"			Wings, Zinc Plate Wings, Zinc Plate	
			Used in low corrosion application	Application:	Attaches me	s tal to wood. Used in roo	Sharp Poil ofing and	Application	Ata	iches wood ti	o metal.						
Faste	Pt. 22	Coating:	The Zinc Yellow coating prevents th	Specifications:		TM ¹ A 510 for carbon st					n.): .110210						
8-18	2 260	Instand.on:	A standard screw gun with torque li drive bit. Do not over lorque as it ca			iets ASTM B-117 for s ield coating exceeds 1,		Specification				id-formed steel f on steel manufac	raming connectio turing	ons			
Faste					 Type "17" r 	educes wood splitting a to work with ACQ treate	and elimir					r dimensional s					
Size	Pt. 22			Coating:		Shield coaling is a high						onal strength an osion resistance	u urini speen				
8-18	2 546 verages achieved under laboratory conv					allic zinc layer, a hex-cl emical conversion film.		Features:			hing lumber he	aders to steel eventing "lackin	action"				
	and a service and a second of the			Installation:	The fasterier	ut setter or 1/4" drive s is completely installed	when it is	Installation:						eximum of 2000 l	RPM drive speed	recommended. U	se a #3 Phillips
(American Society of Automot					head to snap), or damage to the work					over torque as		head to snap or	stripping of the r	ecess. Installed fa	steners must pen	etrate a mirimur
4(Fastener Inspection				Fa	estener		Pul		thie	e full thread:	s beyond the m						
Los Angeles 800.762.2004 8	New York Chicago 888.322.2262 800.533.966				Size 9-15	26 165			Fastener	r		Pullo	ut Values (Avg	g. Lbs.)			
					815	105	Pul	Siz		Pt. 3	18 484	16 679	14 959	12	1/8	3/16	1/4
			y of Testing Materials)		estener					3	404	1 0.0	ar Values (Avg		2.0/1	0004	31.02
		Los Angeles 800.762.2004	New York Chicago Dai 888.322.2262 800.533.9669 800		Size 9-15	1/2" 196			Fastener								
				The values listed a	re averages achieved u	nder laboratory conditions an	id imply no-	Siz 12-2	_	Pt. 3	18	16	14	12 1989	1/8	3/16	1/4
					ety of Testing Materia		lae	The values liste	d are averages i	achieved under	laboratory condition	ors and imply no we	manty. Appropriate se	elety factors should b	e applied to these val	es for design purposi	15.
	-POiNT®			800.762.2004	888.322.2262	Chicago Dal 800.533.9669 800	1.558.722	10	and Test								
								Receiption of A		gineers)							
								Los Angeles	pection Produ	ork Cl	hicago I	Dallas	Atlanta	Portland	Hoeston	Cleveland	123_Rex A (5/27/
								800.752.20	688.32	2.2262 80	00.533.9669	800.558.7222	800.822.9690 - 15 -	800.434.560	800.558.722	2 800.533.966	800.822.95
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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

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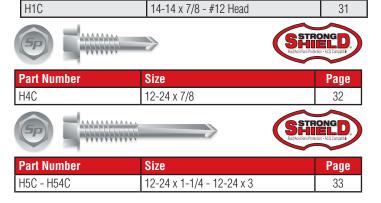
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Self-Drilling

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

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Square Drive Trim Head, Phosphate Coating

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

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Slotted Indented Hex Washer Head, Zinc Plated



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



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Slotted Indented Hex Washer Head Painted White, Zinc Plated



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Phillips Pancake Head, Zinc Plated



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



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



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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

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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

	Strong Rust Mad Rain Fridedon	
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



	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 Di	305 Stainless Star Drive Flat Head w/Nibs						

Coarse Thread, Type '17'

I	/	-	-	-	 -		

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



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

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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'

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



Phillips Bugle Head, Coarse Thread, Zinc Yellow

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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



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Corro	sion P	rotectio	n - AC(Q Comp	batible

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





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



Phillips Bugle Head, Coarse Thread, Dacrotized $^{\ensuremath{\mathbb{B}}}$

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 $^{\circledast}$



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

Corrosion Protection - AC		
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

Kuthad Rain Potetor-		ily,)
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

	0126	Taye
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
X816RWZ - X848RWZ	8 x 1 - 8 x 3

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 Num	ıber	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

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

Page 218



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



Size	Page
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

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



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

		Rust/Acid Rain Protection -	ilu.)
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

		(SSA Ruthost Ran P	RONGD intection - ACD Comparable	
Part Numb)er	Size		Page
PGA916 - P	GA948	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

			Trisetor - ACO Company
	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

	SH	RONG D.	
Part Number	Size	Page	
PGA1016 - PGA1048	10-14 x 1 - 10-14 x 3	250	
Unslatted Indented Hey Flange Head w/Ponded Washer			

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

5p			Rust/Acid Rain Protection	ill.)
Part Nu	mber	Size		Page
PGA171	6	17-14 x 1		251

252

17-14 x 1 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

STRANG-PAINT Special Application

Acoustical Eye Lag, Self-Drilling, Zinc Plated



PGA17165

Part Number	Size	Page						
EA2, EA6 1/4 x 2 - 1/4 x 2-1/4								
Acoustical Eye Lag, Sharp Point, Plain								

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





H606_H612_Rev. A (5/27/15)

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.): .035090									
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ured to SAI P. ³ -1000.7	for carbon steel m E ² J78 for dimensi	onal specifications ngth and drill speed							
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.)											
Fast	ener		Steel Gauge								
Size	Pt.	22	20	18	16	14	12	1/8	3/16		
6-20	2	149	277	462	571	855	1043				
				Shear Value	s (Avg. Lbs.)						
Fast	ener		Steel Gauge (Lapped)								
Size	Pt.	22	20	18	16	14	12	1/8	3/16		
6-20	2	510	736	820					1		

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)

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H808_H816_Rev. A (5/27/15)

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.): .035100									
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ⁻ ured to SAI P. ³ -1000.7	for carbon steel m ^{E2} J78 for dimensi	ional specifications ngth and drill speed						
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.)											
Fast	ener				Steel	Gauge						
Size	Pt.	22	20	18	16	14	12	1/8	3/16			
8-18	2	260	292	479	685	933	1533					
				Shear Value	s (Avg. Lbs.)							
Fast	ener											
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)

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H820_H832_Rev. A (5/27/15)

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.): .035100								
Specifications:	Meets ASTM ¹ 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 strer	ngth and drill speed						
	Meets ASTM F1941 for corrosion resistance									
Installation:	A 1/4" hex n	iut setter oi	1/4" drive socke	t with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended.						
	Do not over	torque as i	t can cause the he	ead 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.)											
Fast	ener			Steel Gauge								
Size	Pt.	22	20	18	16	14	12	1/8	3/16			
8-18	2	260	292	479	685	933	1533					
				Shear Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (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)

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H1008_H1010_Rev. A (5/27/15)

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 me	tal to meta	l.							
	Drill Capaci	ty (in.): .03	5110							
Specifications:	 Meets ASTM¹ C 1513 for cold-formed steel framing connections Meets ASTM A 510 for carbon steel manufacturing 									
	Meets AS	nanufacturing	70							
	 Manufaction 	 Manufactured to SAE² J78 for dimensional specifications 								
	• Meets F.I.	 Meets F.I.P.³-1000.7 for torsional strength and drill speed 								
	Meets AS	TM F1941	for corrosion resi	stance						
	• ICC-ES Evaluation Report: ESR-3528									
Installation:	A 5/16" hex	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	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 Value	es (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 Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (Lapped)			
Size	Pt.	22	22 20 18 16 14				12	1/8	3/16
10-16	2	574	74 808 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)

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H1012H_Rev. A (5/27/15)

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 met	tal to meta					
	Drill Capacit	y (in.): .03	5176				
Specifications:	• Head Heig	ght: .160 -	.178				
	 Meets ASTM¹ C 1513 for cold-formed steel framing connections 						
	Meets ASTM A 510 for carbon steel manufacturing						
	 Manufactu 	ured to SAI	² J78 for dimensi	onal specifications			
	Meets F.I.I	P. ³ -1000.7	for torsional stren	ngth and drill speed			
	Meets AS	TM F1941	for corrosion resi	stance			
Installation:	A 5/16" hex	nut setter (or 5/16" drive soc	ket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended.			
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three			
	full threads b	peyond the	metal structure.				

				Pullout Value	es (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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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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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.): .035176						
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 f ured to SAE P. ³ -1000.7 TM F1941	or carbon steel m ²² J78 for dimensi	ional specifications CCS			
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 Value	es (Avg. Lbs.)				
Faste	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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

H1012_H1024_Rev. A (5/27/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H1032_H1048_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 me	tal to metal					
	Drill Capacit	y (in.): .03	5176				
Specifications:	Meets AS	Meets ASTM ¹ C 1513 for cold-formed steel framing connections					
	Meets AS	 Meets ASTM¹ C 1513 for cold-formed steel framing connections Meets ASTM A 510 for carbon steel manufacturing Manufactured to SAF² 178 for dimensional specifications 					
	 Manufactu 	ured to SAE	² J78 for dimensi	ional specifications			
	• Meets F.I.I	P. ³ -1000.7	for torsional strer	ngth and drill speed			
	Meets AS ⁻	TM F1941	for corrosion resi	stance			
	• ICC-ES EV	aluation R	eport: ESR-3528				
Installation:	A 5/16" hex	nut setter o	or 5/16" drive soc	ket with torque limiting nose piece set at a maximum of 2500 RP	M drive speed recommended.		
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must pe	enetrate a minimum of three		
	full threads b	peyond the	metal structure.				

				Pullout Value	es (Avg. Lbs.)	1			
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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (Lapped)			
Size	Pt.	22	22 20 18 16 14 12						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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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.): .035210						
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 f ured to SAE P. ³ -1000.7 TM F1941	for carbon steel m ²² J78 for dimensi	ional specifications CCS			
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 Value	es (Avg. Lbs.)				
Fast	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 Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 me Drill Capacit						
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 f ured to SAE P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications CCS C			
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 recommend 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 Valu	es (Avg. Lbs.)					
Fast	ener 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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 me Drill Capacit				
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 ⁻ ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications ngth and drill speed	ICC
Installation:	A 3/8" hex n	ut setter o	3/8" drive socke	t with torque limiting nose piece set at a maximum of 1750 RPM	l 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 (Av	g. 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 (Avį	j. Lbs.)				
Fast	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 me Drill Capacit			
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 f ured to SAE P. ³ -1000.7 TM F1941	or carbon steel m ²² J78 for dimensi	onal specifications up to and drill speed
Installation:	Do not over	torque as i		t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three
				Pullout Values (Avg. Lbs.)

				i unout	141400 (/11	g. 190.)				
Faste	ener	er 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
Faste	ener			Shear	Values (Avç Stee	ı. Lbs.) I Gauge (Laj	nned)			
Size	Pt.	22 20 18 16 14 12 1/8 3/16 1/4								
								-	0,10	1/7
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 me Drill Capacit					
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 ⁻ ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications up to the speed		
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 (Av	g. Lbs.)						
Fast	Fastener Steel Gauge											
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16									
14-14	3	287	339	595	856	1114	1805	2337	4416	4885		
				Shear	Values (Avg	. Lbs.)						
Fast	ener				Stee	Gauge (La	oped)					
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H1_Rev. A (2/15/18)

Submittal: SD1451414Z1

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

Size	Part#	Pt.	Case Qty.	Description
Specifications:	HD H1	1	3M	Unslotted Indented Hex Washer #12 Head, Zinc Plated
Application:	Attaches metal to Drill Capacity (in		Ū	
Specifications:	 Meets ASTM . Manufactured Meets F.I.P.³-1 	A 510 for carl to SAE ² J78 000.7 for tors	old-formed steel f oon steel manufac for dimensional s sional strength an rosion resistance	pecifications nd drill speed
Installation:		ue as it can c	ause the head to s	th torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended. snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)						
Fastener Steel Gauge												
Size	Pt.	22	2 20 18 16 14 12 1/8 3/16									
14-14	1	287	339	595	856	1114	1805	2337	4416	4885		
				Shear	Values (Avg	j. Lbs.)						
Fast	ener				Stee	l Gauge (La	pped)					
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H14167_Rev. A (7/17/19)

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 me	tal to metal								
	Drill Capacit	y (in.): .06	0220							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections						
	Meets ASTM A 510 for carbon steel manufacturing									
	Manufactured to SAE ² J78 for dimensional specifications									
	 Meets F.I.P.³-1000.7 for torsional strength and drill speed 									
	Meets AS	TM F1941	for corrosion resi	stance						
Installation:	A 7/16" hex	nut setter (or 7/16" drive soc	ket with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended.						
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three						
	full threads beyond the metal structure.									

				Pullout	t Values (Av	g. Lbs.)							
Fastener Steel Gauge													
Size	Pt.	22	20 18 16 14 12 1/8 3/16										
14-14	3	287	339	595	856	1114	1805	2337	4416	4885			
				Shear	Values (Avį	j. Lbs.)		-					
Faste	ener				Stee	l Gauge (La	pped)						
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H1616_H1632_Rev. A (9/30/20)

Submittal: SDUHW1616Z



$\mathsf{STRONG}\operatorname{POINT}^{\otimes}$ 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 ASTM	l ¹ C 1513 f	or cold-formed st	eel framing connections					
	Meets ASTM A 510 for carbon steel manufacturing								
	Manufacture	d to SAE ²	J78 for dimension	al specifications					
	• Meets F.I.P.3-	-1000.7 fo	r torsional strengt	h and drill speed					
	Meets ASTM	I F1941 fo	r corrosion resista	ance					
Installation:	A 7/16" hex nu	t setter or	7/16" drive socket	t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended.					
	Do not over tor	que as it c	an cause the head	to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					
	full threads bey	ond the m	etal structure.						

				Pullout	Values (Av	g. 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			
Faste	ner	ĺ		Shear	Values (Avg Stee	g. Lbs.) I Gauge (La	nned)				
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



Submittal: SD1451214Z4E



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

Size	Part#	Pt.	Case Qty.	Descripti	on								
12-24 x 7/8	H4	4	4M	Unslotted I	ndented Hex Washe	r Head, Zinc Pla	ated						
Application:	Attaches m	Attaches metal to metal.											
	Drill Capac	ity (in.): .12	5250										
Specifications:	Meets ASTM ¹ C 1513 for cold-formed steel framing connections												
	Meets A	Meets ASTM A 510 for carbon steel manufacturing											
	 Manufac 	 Manufactured to SAE² J78 for dimensional specifications Meets F.I.P.³-1000.7 for torsional strength and drill speed 											
	Meets A	STM F1941	for corrosion resi	stance									
Installation:	A 5/16" he	x nut setter (or 5/16" drive soc	ket with torque	e limiting nose piece	set at a maxim	um of 1500 RI	PM drive spee	d recommende				
	Do not ove	r torque as i	t can cause the he	ad to snap or	stripping of the thre	ads. Installed fa	steners must p	enetrate a mi	nimum of three				
	full threads	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 Val	ues (Avg. Lbs.)								
Faste	ener				Steel Gau	0.6							
					01001 000	90			1				

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

679

959

1489

2371

3384

3732

H4_Rev. A (5/27/15)

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.

484

¹(American Society of Testing Materials)

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

12-24

4

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H5_H54_Rev. A (5/27/15)

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:		ttaches metal to metal. rill Capacity (in.): .125500							
Specifications:	Meets ASManufactMeets F.I.Meets AS	TM A 510 ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m ²² J78 for dimensi	ional specifications and drill speed					
Installation:	Do not over	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 (Av	g. Lbs.)					
Fast	ener	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 (Avį	g. Lbs.)					
Fast	ener				Stee	l Gauge (La	pped)				
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



<u>STRONG-POî</u> Get the Point. Strong-Point.

Submittal: SDUHWC1012



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 met Drill Capacit			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Com 	FM A 510 f Ired to SAE P. ³ -1000.7 FM B 117 f valuation R Rain Prote patible	or carbon steel m ²² J78 for dimensi for torsional strer or salt spray corr eport: ESR-3528	ronal specifications agth and drill speed osion testing

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 Value	es (Avg. Lbs.)				
Fastener		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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT Get the Point. Strong-Point.

Submittal: SDUHWC1212



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 met Drill Capacit			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Com 	FM A 510 f red to SAE 2 ³ -1000.7 FM B 117 f raluation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corr eport: ESR-3528	ional specifications ingth and drill speed osion testing

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 Value	es (Avg. Lbs.)				
Fastener		ener 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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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STRONG-POINT[®] Get the Point. Strong-Point.

Submittal: SDUHWC1232



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	H1248C 3 1M Unslotted Indented Hex Washer Head, Strong-Shield Coated						
Application:	Attaches met Drill Capacit							
Specifications:	 Meets AS⁻ Manufactu Meets F.I.I Meets AS⁻ ICC-ES Ex Rust/Acid ACQ Com 	TM A 510 ⁻¹ ured to SAI P. ³ -1000.7 TM B 117 Valuation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corru eport: ESR-3528	rional specifications agth and drill speed osion testing				
Installation:				ket with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three				

full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.))			
Fast	ener	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 Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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STRONG-POINT Get the Point. Strong-Point.

Submittal: SDUHWC1412



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.): .060220							
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Com 	FM A 510 f Ired to SAE P. ³ -1000.7 FM B 117 f valuation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corr eport: ESR-3528	ional specifications ingth and drill speed osion testing					

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 (Av	g. Lbs.)				
Faste	ener	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 (Avç	j. Lbs.)				
Faste	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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<u>STRONG-POINT</u>® Get the Point. Strong-Point.

Submittal: SDUHWC1432



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:	lication: Attaches metal to metal. Drill Capacity (in.): .060220							
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Com 	FM A 510 ⁻¹ ired to SAI P. ³ -1000.7 FM B 117 raluation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional stren for salt spray corro leport: ESR-3528	onal specifications agth and drill speed osion testing				
Installation:	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 rec							

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 (Av	g. Lbs.)					
Fast	ener	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 (Avç	j. Lbs.)					
Fast	ener				Stee	l Gauge (Laj	oped)				
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)

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STRONG-POINT[®] Get the Point. Strong-Point.

H1C_Rev. A (2/15/18)

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 HI	D H1C	1	3M	Unslotted Indented Hex Washer #12 Head, Strong-Shield Coated			
Application:	Attaches metal to r						
	Drill Capacity (in.)	: .01809	0				
Specifications:	Meets ASTM ¹ C	1513 for c	old-formed steel 1	framing connections			
	Meets ASTM A	510 for carl	oon steel manufac	cturing (SHIELD)			
	Manufactured to SAE ² J78 for dimensional specifications						
	• Meets F.I.P.3-100	0.7 for tor	sional strength ar	nd drill speed			
	Rust/Acid Rain I	Protection					
	ACQ Compatible	e					
	• Exceeds 1,000/h	nrs. salt spr	ay resistance				
Installation:	A 5/16" hex nut se	tter or 5/16	o" drive socket wit	th torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended			
	Do not over torque	as it can c	ause the head to :	snap or stripping of the threads. Installed fasteners must penetrate a minimum of three			

full threads beyond the metal structure.

				Pullout	t Values (Av	g. Lbs.)				
Fast	ener	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 (Av	g. Lbs.)				
Fast	ener				Stee	l Gauge (La	pped)			
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
14-14	1		905	1401	2040	2509	2573	2738		1

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)

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Submittal: SDUHW45SSC1214



H4C_Rev. A (7/11/17)

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 me	etal to meta	l.						
	Drill Capaci	ity (in.): .12	5250						
Specifications:	 Meets AS 	STM ¹ C 151	3 for cold-formed	steel framing connections					
	 Meets AS 	STM A 510	for carbon steel m	hanufacturing (SHIELD)					
	Manufactured to SAE ² J78 for dimensional specifications								
	• Meets F.I.P. ³ -1000.7 for torsional strength and drill speed								
	Rust/Acid	l Rain Prote	ection						
	 ACQ Con 	npatible							
	• Exceeds	1,000/hrs. :	salt spray resistan	Ce					
Installation:	A 5/16" hex	nut setter	or 5/16" drive soc	ket with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended.					
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					
	full threads	beyond the	metal structure.						

				Pullout	Values (Av	g. Lbs.)					
Faste	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 (Avç	j. Lbs.)					
Faste	ener				Stee	l Gauge (La	pped)				
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT Get the Point. Strong-Point.

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 me Drill Capacit			
Specifications:	 Meets AS Manufactu Meets F.I. ICC-ES Ev Rust/Acid ACQ Com 	TM A 510 ured to SAI P. ³ -1000.7 valuation F Rain Prote patible	for carbon steel m ²² J78 for dimensi for torsional strer eport: ESR-3528	ional specifications ngth and drill speed

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 (Av	g. Lbs.)				
Fast	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 (Av	j. Lbs.)		1		
Fast	ener				Stee	l Gauge (La	pped)			
0:	Pt.	22	20	18	16	14	12	1/8	3/16	1/4
Size		2		1	i	î	î	i	i i i i i i i i i i i i i i i i i i i	

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)

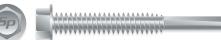
Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





H543C_H544C_Rev. A (7/30/20)

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 me	Attaches metal to metal.										
	Drill Capacit	ty (in.): .12	5500									
Specifications:	Meets AS	Meets ASTM ¹ C 1513 for cold-formed steel framing connections										
	Meets ASTM A 510 for carbon steel manufacturing											
	Manufactured to SAE ² 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	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 I	beyond the	metal structure.									

				Pullout	Values (Av	g. Lbs.)							
Fastener		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			
Fast	ener			Shear	Values (Ave Stee	g. Lbs.) I Gauge (La	pped)						
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4			
1/4-20	5	1				1	1	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)

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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	Unslotted Indented Hex Washer Head, Strong-Shield Coated						
Application:	Attaches me	tal to meta							
	Drill Capacit	y (in.): .12	5500						
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections					
	Meets AS	TM A 510	or carbon steel m	anufacturing STRONGD					
	Manufactured to SAE ² J78 for dimensional specifications								
	• Meets F.I.P. ³ -1000.7 for torsional strength and drill speed								
	 Rust/Acid 	Rain Prote	ection						
	• ACQ Com	patible							
	Exceeds 1	,000/hrs. s	alt spray resistan	Ce					
Installation:	A 3/8" hex n	ut setter or	3/8" drive socke	t with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended.					
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					
	full threads I	peyond the	metal structure.						

				Pullout	Values (Av	g. Lbs.)						
Fastener Steel Gauge												
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16 1/									
1/4-20	5						1495	2337	3293	5021		
				Shear	Values (Av	- ,						
Faste	ener				Stee	l Gauge (La	pped)					
Size	e 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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





HA808_HA816_Rev. A (5/27/15)

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 met Drill Capacit			
Specifications:	Meets ASTManufactuMeets F.I.F	FM A 510 f ired to SAE P. ³ -1000.7	or carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:	Do not over	torque as i		t with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

	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 Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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HA820_HA832_Rev. A (5/27/15)

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 me Drill Capacit		-	
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections
	 Meets AS⁻ 	TM A 510 1	or carbon steel m	nanufacturing
	 Manufactu 	ured to SAE	² J78 for dimensi	ional specifications
	• Meets F.I.I	P. ³ -1000.7	for torsional strer	ngth and drill speed
	Meets AS	TM F1941	for corrosion resi	stance
Installation:	A 1/4" hex n	ut setter or	1/4" drive socke	t with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended.
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three
	full threads I	peyond the	metal structure.	

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3/1										
8-18	2	260	292	479	685	933	1533						
		-		Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)			_				
Size	Pt.	22											
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)

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HA1008_HA1010_Rev. A (5/27/15)

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 me Drill Capacit			
Specifications:	 Meets AS Manufactu Meets F.I.I Meets AS⁻ 	TM A 510 ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m E² J78 for dimensi	ional specifications (CCS) (CC
Installation:	A 5/16" hex	nut setter (or 5/16" drive soc	ket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended ead 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	22 20 18 16 14 12 1/8 3/1									
10-16	2	267	360	534	763	1005	1606					
				Shear Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (Lapped)						
Size	Pt.	22	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)

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HA1012_HA1016_Rev. A (5/27/15)

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	HA1016 3 3M Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO						
Application:	Attaches met Drill Capacit							
Specifications:	Meets AS⁻Manufacture	TM A 510 ured to SAI P. ³ -1000.7 TM F1941	I steel framing connections hanufacturing ional specifications hgth and drill speed stance					
Installation:				sket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three				

full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.)				
Faste	stener Steel Gauge								
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-16	3	261	293	487	690	941	1432	2017	1
				Shear Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

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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 met Drill Capacity		-	
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST 	TM A 510 t red to SAE 2 ³ -1000.7 TM F1941	for carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed istance

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 Value	es (Avg. Lbs.)	1					
Faste	ener			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 Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 met Drill Capacit								
Specifications:									
Installation:	Do not over t	torque as i		extet with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended. Exter a snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					

				Pullout Value	es (Avg. Lbs.))				
Fast	ener			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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 met Drill Capacit			
Specifications:	Meets ASTManufactu			
Installation:		torque as i	t can cause the he	cket with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

full threads beyond	the metal structure.
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				Pullout Value	es (Avg. Lbs.)					
Faste	ener			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 Value	s (Avg. Lbs.)					
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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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	HA1424 3 2M Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer							
Application:	Attaches met Drill Capacit								
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST 	 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:	Do not over	torque as i		et with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					
				Pullout Values (Avg. Lbs.)					

				Pullout	Values (Av	g. 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
Factor		r		Shear	Values (Avg	-				
Faste	ener		ï	1	5166	l Gauge (La	ppea)	ï	1	1
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)

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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	HA1448 3 1M Unslotted Indented Hex Washer Head, Zinc Plated w/Bonded NEO-EPDM Washer						
Application:	Attaches met Drill Capacit							
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:	Do not over t	orque as i		t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three				

				Pullout	Values (Av	g. 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 (Avį	g. Lbs.)				
Fast	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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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 met Drill Capacit						
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST 	FM A 510 f ired to SAE P. ³ -1000.7 FM F1941	or carbon steel m ²² J78 for dimensi	ional specifications			
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 (Av	g. 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 (Avį	j. Lbs.)				
Fast	ener				Stee	l Gauge (La	pped)			
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)

HA1464_HA1496_Re	ev. A (5/27/15)
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HA1_Rev. A (2/15/18)

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 U			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	.): .0180	90										
Specifications: • Meets ASTM ¹ 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.3-10)00.7 for to	rsional strength a	and drill speed									
	Meets ASTM F	1941 for co	prrosion resistanc	2e									
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 beyor	nd the meta	l structure.	full threads beyond the metal structure.									

				Pullout	Values (Av	g. Lbs.)				
Faste	ener					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 (Avç	ı. Lbs.)				
Faste	ener				Stee	l Gauge (La	pped)			
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)

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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 me	etal to meta	l.								
	Drill Capaci	ity (in.): .12	5250								
Specifications:	 Meets AS 	5TM ¹ C 151	3 for cold-formed	steel framing connections							
	Meets AS	Meets ASTM A 510 for carbon steel manufacturing Manufactured to SAF ² J78 for dimensional specifications									
	 Manufactured to SAE² J78 for dimensional specifications 										
	 Meets F.I.P.³-1000.7 for torsional strength and drill speed 										
	 Meets AS 	STM F1941	for corrosion resi	stance							
Installation:	A 5/16" hex	nut setter (or 5/16" drive soc	ket 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.)							
Faste	ener			Steel Gauge							

16

679

Shear Values (Avg. Lbs.)

16

14

959

Steel Gauge (Lapped)

14

12

1489

12

1989

1/8

2371

1/8

1972

3/16

3384

3/16

1/4

3732

1/4

HA4_Rev. A (5/27/15)

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.

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18

¹(American Society of Testing Materials)

22

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20

²(Society of Automotive Engineers)

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Size

12-24

Size

12-24

Pt.

4

Pt.

4

Fastener

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





HA5_HA54_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 me Drill Capaci			
Specifications:	 Meets AS Manufact Meets F.I. Meets AS 	TM A 510 t ured to SAE P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications ngth and drill speed istance
Installation:				cket with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

full threads beyond the metal structure.

				Pullout	Values (Av	g. Lbs.)				
Faste	ener					Steel Gaug	e			
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 (Av	g. Lbs.)				
Faste	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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 met Drill Capacity			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Comp 	M A 510 red to SAI 3-1000.7 M B 117 aluation R Rain Prote	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corro leport: ESR-3528	rional specifications agth and drill speed osion testing

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 Value	es (Avg. Lbs.)				
Faste	ener				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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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 meta Drill Capacity			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Comp 	M A 510 f red to SAE 3-1000.7 M B 117 f aluation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corru eport: ESR-3528	ional specifications ingth and drill speed iosion testing

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 Value	es (Avg. Lbs.))						
Faste	ener	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 Value	s (Avg. Lbs.)							
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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 met Drill Capacity			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Comp 	M A 510 f red to SAE ? ³ -1000.7 M B 117 f aluation R Rain Prote patible	or carbon steel m ²² J78 for dimensi for torsional strer or salt spray corre eport: ESR-3528	onal specifications agth and drill speed osion testing
Installation:				ket with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.)								
Faste	ener	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 Value	s (Avg. Lbs.)								
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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 meta Drill Capacity			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Comp 	M A 510 f red to SAE 3-1000.7 M B 117 f aluation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corru eport: ESR-3528	ional specifications ingth and drill speed iosion testing

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 (Av	g. Lbs.)				
Faste	ener					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	j. Lbs.)				
Faste	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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	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 met Drill Capacit			
Specifications:	 Meets AST Manufactu Meets F.I.F Meets AST ICC-ES Ev Rust/Acid ACQ Com 	FM A 510 red to SAI P. ³ -1000.7 FM B 117 raluation R Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer for salt spray corru eport: ESR-3528	ronal specifications agth and drill speed osion testing
Installation:	Do not over t	torque as i		t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)				
Fast	ener					Steel Gauge	9			
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 (Avį	g. Lbs.)				
Fast	ener				Stee	l Gauge (La	pped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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HA1C_Rev. A (2/15/18)

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 #12HE) 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.	.): .0180	90	
Specifications:	• Meets ASTM ¹ (C 1513 for	cold-formed steel	I framing connections
	Meets ASTM A	510 for ca	rbon steel manufa	acturing STRONGD
	Manufactured t	o SAE ² J78	for dimensional	specifications
	• Meets F.I.P. ³ -10)00.7 for to	rsional strength a	and drill speed
	• Rust/Acid Rain	Protection		
	ACQ Compatib	le		
	• Exceeds 1,000/	/hrs. salt sp	oray resistance	
Installation:	A 5/16" hex nut s	etter or 5/1	6" drive socket w	ith torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended
	Do not over torqu	ie 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 (Av	g. Lbs.)				
Fast	ener					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 (Avç	j. Lbs.)				
Fast	ener				Stee	l Gauge (La	oped)			
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



Submittal: SDWSWH451214SSC



HA4C_Rev. A (7/11/17)

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 me	etal to meta	I.	
	Drill Capaci	ty (in.): .12	5250	
Specifications:	 Meets AS 	TM ¹ C 151	3 for cold-formed	steel framing connections
	 Meets AS 	TM A 510	for carbon steel m	hanufacturing (SHIELD)
	 Manufact 	ured to SAI	E ² J78 for dimensi	ional specifications
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed
	 Rust/Acid 	l Rain Prote	ection	
	 ACQ Corr 	npatible		
	• Exceeds 1	1,000/hrs. :	salt spray resistan	Ce
Installation:	A 5/16" hex	nut setter	or 5/16" drive soc	ket with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended.
	Do not over	torque as i	it can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three
	full threads	beyond the	metal structure.	

				Pullout	t Values (Av	g. Lbs.)							
Fast	ener					Steel Gaug	e						
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16 1/4										
12-24	4			484	679	959	1489	2371	3384	3732			
				Shear	Values (Avç	j. Lbs.)							
Fast	ener				Stee	l Gauge (La	pped)						
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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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 met Drill Capacit			
Specifications:	 Meets AS² Manufactu Meets F.I.I ICC-ES Ex Rust/Acid ACQ Com 	FM A 510 rred to SAI P. ³ -1000.7 valuation F Rain Prote patible	for carbon steel m E ² J78 for dimensi for torsional strer Report: ESR-3528	ional specifications ngth and drill speed
Installation:	A 5/16" hex	nut setter	or 5/16" drive soc	cket with torque limiting nose piece set at a maximum of 1500 RPM drive speed recommended

nstallation: 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 (Av	g. Lbs.)								
Fast	ener					Steel Gaug	e							
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16 1/4											
12-24	5			475	672	951	1486	2269	3593	3882				
		1		Shear	Values (Av									
Fast	ener				Stee	l Gauge (La	pped)							
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P63_P68_Rev. A (5/27/15)

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 me Drill Capaci			
Specifications:	Meets ASManufactMeets F.I.	TM A 510 f ured to SAE P. ³ -1000.7	or carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:		Ū		ng 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 Valu	es (Avg. Lbs.))					
Fast	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 Value	es (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT Get the Point. Strong-Point.

P83_P88_Rev. A (5/27/15)

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 me Drill Capaci			
Specifications:	Meets ASManufactMeets F.I.	TM A 510 f ured to SAE P. ³ -1000.7	or carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:		Ū	•	ig 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 Value	es (Avg. Lbs.))					
Fast	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 Value	s (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (Lapped)					
Size	Pt.	22	20	18	16	14	12	1/8	3/16		
8-18	2	546	721	1031	1049				1		

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P810_P816_Rev. A (5/27/15)

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 me Drill Capaci										
Specifications:	Meets AS	 Meets ASTM¹ C 1513 for cold-formed steel framing connections 									
	 Meets ASTM A 510 for carbon steel manufacturing 										
	 Manufact 	ured to SA	² J78 for dimensi	ional specifications							
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed							
	Meets AS	TM F1941	for corrosion resi	stance							
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced							
	Phillips driv	re bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a							
	minimum of	three full t	hreads beyond th	e metal structure.							

				Pullout Valu	es (Avg. Lbs.))			
Fast	ener				Steel	Gauge			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	260	292	479	685	933	1533		
				Shear Value	es (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P104_P105_Rev. A (5/27/15)

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 me	etal to metal								
	Drill Capaci	ty (in.): .03	5110							
Specifications:	• Meets ASTM ¹ C 1513 for cold-formed steel framing connections									
	 Meets ASTM A 510 for carbon steel manufacturing 									
	 Manufact 	ured to SAE	² J78 for dimensi	onal specifications						
	• Meets F.I.	P. ³ -1000.7	for torsional stren	ngth and drill speed						
	Meets ASTM F1941 for corrosion resistance									
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	ve bit. Do no	ot over torque as i	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum of	f three full t	hreads beyond the	e metal structure.						

				Pullout Valu	es (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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P106_P110_Rev. A (5/27/15)

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 me									
	Drill Capaci	ty (in.): .03	5176							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	I steel framing connections						
	 Meets AS 	TM A 510	for carbon steel m	nanufacturing						
	 Manufaction 	ured to SA	² J78 for dimensi	ional specifications						
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Meets ASTM F1941 for corrosion resistance									
Installation:	A standard s	screw gun v	with torque limitin	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. Do n	ot 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 Value	es (Avg. Lbs.)							
Faste	ener		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 Value	s (Avg. Lbs.)							
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P116_P124_Rev. A (5/27/15)

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 me Drill Capaci									
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:	Meets ASTM F1941 for corrosion resistance 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 Value	es (Avg. Lbs.))			
Faste	ener				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 Value	s (Avg. Lbs.)				
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P84Q_P86Q_Rev. A (5/27/15)

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 me	tal to metal								
	Drill Capacit	ty (in.): .03	5100							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections						
	 Meets ASTM A 510 for carbon steel manufacturing 									
	 Manufactu 	ured to SAE	² J78 for dimensi	ional specifications						
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Meets AS	TM F1941	for corrosion resi	stance						
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Square drive	e bit. Do no	t over torque as it	t can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum of	three full t	hreads beyond the	e metal structure.						

				Pullout Valu	es (Avg. Lbs.)	1			
Fast	ener				Steel	Gauge			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	260	292	479	685	933	1533		
				Shear Value	es (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (Lapped)			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	546	721	1031	1049				1

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)

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800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



P106Q_Rev. A (5/27/15)

Submittal: SDQPH1012Z



STRONG-POINT[®] SQUARE DRIVE PAN HEAD, ZINC PLATED

Size	Part#	Pt.	Case Qty.	Descriptior	ı				
10-16 x 3/4	P106Q	3	8M	Square drive	Pan Head, Zind	c Plated			
Application:	Attaches me	tal to metal.							
	Drill Capaci	ty (in.): .035	176						
Specifications:	Meets AS	TM ¹ C 1513	for cold-formed	steel framing co	nnections				
	Meets AS	TM A 510 fo	r carbon steel m	anufacturing					
	 Manufactu 	ured to SAE ²	J78 for dimensi	onal specificatio	ns				
	• Meets F.I.	P. ³ -1000.7 fc	or torsional stren	gth and drill spe	ed				
	Meets AS	TM F1941 fc	r corrosion resis	stance					
Installation:	A standard s	crew gun wi	th torque limiting	g nose piece set	at a maximum	of 2500 RPM	drive speed rec	ommended. Us	e a #2 reduced
	Square drive	e bit. Do not	over torque as it	can cause the h	ead to snap or s	stripping of th	e recess. Install	ed fasteners mi	ust penetrate a
	minimum of	three full th	eads beyond the	e metal structure					
				Pullout Value	es (Avg. Lbs.)				
Fast	ener				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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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086_090_Rev. A (5/27/15)

Submittal: SDP0H0812Z

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 me Drill Capaci			
Specifications:	Meets ASManufactMeets F.I.	TM A 510 t ured to SAE P. ³ -1000.7	or carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:	Phillips driv	e bit. Do n	ot over torque as i	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.

				Pullout Value	es (Avg. Lbs.)								
Fastener Steel Gauge													
Size	Pt.	22	2 20 18 16 14 12 1/8 3/16										
8-18	2	260	292	479	685	933	1533						
				Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





E83_E85_Rev. A (5/27/15)

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 me	etal to metal								
	Drill Capaci	ty (in.): .03	5100							
Specifications:	 Meets AS 	TM ¹ C 151	3 for cold-formed	steel framing connections						
	Meets AS	TM A 510 f	or carbon steel m	anufacturing						
	 Manufactured to SAE² J78 for dimensional specifications 									
	• Meets F.I.	P. ³ -1000.7	for torsional stren	ngth and drill speed						
	Meets AS	TM F1941	for corrosion resi	stance						
Installation:	A standard s	screw gun v	vith torque limitin	g 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									

				Pullout Valu	es (Avg. Lbs.))			
Fast	ener				Steel	Gauge			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	260	292	479	685	933	1533		
		-		Shear Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



F82_F86_Rev. A (5/27/15)

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 me Drill Capacit			
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 t ured to SAE P. ³ -1000.7	for carbon steel m E ² J78 for dimensi	ional specifications ngth and drill speed
Installation:	A standard s	screw gun v	vith torque limitin	ng 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 Valu	es (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 Value	es (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

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F106_F110_Rev. A (4/21/16)

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 me Drill Capaci			
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ⁻ ured to SAI P. ³ -1000.7	for carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:		-		ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced 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 Value	es (Avg. Lbs.)								
Faste	ener				Steel	Gauge							
Size	Pt.	22	2 20 18 16 14 12 1/8 3/16										
10-16	3	261	293	487	690	941	1432	2017					
		•		Shear Value	s (Avg. Lbs.)								
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



F116_F124_Rev. A (5/27/15)

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 me Drill Capaci									
Specifications:	Meets ASTM ¹ C 1513 for cold-formed steel framing connections									
	 Meets AS 	TM A 510	or carbon steel m	nanufacturing						
	 Manufactured to SAE² J78 for dimensional specifications 									
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Meets AS	TM F1941	for corrosion resi	stance						
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 driv	e bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum of	three full t	hreads beyond the	e metal structure.						

				Pullout Value	es (Avg. Lbs.)									
Faste	ener				Steel	Gauge								
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16											
10-16	3	261	293	487	690	941	1432	2017						
				Shear Value	s (Avg. Lbs.)									
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



F208_F224_Rev. A (5/27/15)

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 me Drill Capaci			
Specifications:	Meets ASManufactMeets F.I.	TM A 510 ured to SAI P. ³ -1000.7	ior carbon steel m ²² J78 for dimensi	ional specifications ngth and drill speed
Installation:		o not over to	orque as it can ca	ng nose piece set at a maximum of 2000 RPM drive speed recommended. Use a #3 Phillips use the head to snap or stripping of the recess. Installed fasteners must penetrate a minimum of

three full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.)	1							
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16										
12-14	3	283	333	537	737	1034	1585	2349	2911				
				Shear Value	s (Avg. Lbs.)								
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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F408_F424_Rev. A (5/27/15)

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 me Drill Capaci			
Specifications:	 Meets AS 	TM1 C 151	3 for cold-formed	steel framing connections
	 Meets AS 	TM A 510 1	or carbon steel m	nanufacturing
	 Manufaction 	ured to SAE	² J78 for dimens	ional specifications
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed
	Meets AS	TM F1941	for corrosion resi	stance
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 1750 RPM drive speed recommended. Use a #3 Phillips
	drive bit. Do	not over to	orque as it can ca	use the head to snap or stripping of the recess. Installed fasteners must penetrate a minimum of
	three full thr	eads beyor	nd the metal struc	ture.

		tinouus boyoi		li uoturo.					
				Pullout	Values (Av	g. Lbs.)			
Fast	ener					Steel Gauge	;		
Size	Pt.	22	20	18	16	14	12	1/8	3/16

14-14	3	287	339	595	856	1114	1805	2337	4416	4885		
				Shear	Values (Avg	. Lbs.)						
Fast	ener		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)

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STRONG-POINT[®] Get the Point. Strong-Point.

R158_Rev. A (5/27/15)

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 wo Drill Capacit				
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ured to SA P. ³ -1000.7) for carbon stee AE ² J78 for dime	ned steel framing connections I manufacturing nsional specifications rength and drill speed esistance	3
Features:		0	umber headers wood preventir	to steel ng "jacking action"	
Installation:	drive bit. Do	not over	•	cause the head to snap or str	mum of 2500 RPM drive speed recommended. Use a #2 Phillips ipping of the recess. Installed fasteners must penetrate a minimum of

				Pullout Value	es (Avg. Lbs.)				
Fast	ener				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 Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (Lapped)			
Size	Pt.	22	20	18	16	14	12	1/8	3/16

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.

1231

709

¹(American Society of Testing Materials)

3

²(Society of Automotive Engineers)

³(Fastener Inspection Products)

10-16

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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 woo Drill Capacit				
Specifications:	Meets ASManufactuMeets F.I.I	TM A 510 ured to SA P. ³ -1000.7	for carbon stee \E² J78 for dime	ed steel framing connections I manufacturing nsional specifications rength and drill speed esistance	3
Features:		-	umber headers wood preventir	to steel g "jacking action"	
Installation:	drive bit. Do	not over		cause the head to snap or st	mum of 2000 RPM drive speed recommended. Use a #3 Phillips ripping of the recess. Installed fasteners must penetrate a minimum of

			Pullo	ut Values (Avg	. Lbs.)			
Fast	ener							
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3	484	679	959	1489	2371	3384	3732
			Shea	r Values (Avg.	Lbs.)			
Fast	ener							
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)

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STRONG-POINT[®] Get the Point. Strong-Point.

R212_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 wo Drill Capaci				
Specifications:	Meets ASManufactMeets F.I.	TM A 510 ured to SA .P. ³ -1000.7	for carbon stee \E² J78 for dime	ned steel framing connections I manufacturing ensional specifications trength and drill speed esistance	3
Features:		Ū	umber headers wood preventir	to steel ng "jacking action"	
Installation:	drive bit. Do	o not over	·	cause the head to snap or sti	mum of 2000 RPM drive speed recommended. Use a #3 Phillips ipping of the recess. Installed fasteners must penetrate a minimum of

			Pullou	it Values (Avg.	Lbs.)			
Fast	ener							
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	4	484	679	959	1489	2371	3384	3732
			Shea	r Values (Avg.	Lbs.)			
Fast	ener							
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)

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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 wo Drill Capaci				
Specifications:	Meets ASManufactMeets F.I.	TM A 510 ured to SA P. ³ -1000.7) for carbon stee AE ² J78 for dime	ned steel framing connections I manufacturing ensional specifications trength and drill speed resistance	5
Features:			umber headers wood preventir	to steel ng "jacking action"	
Installation:	drive bit. Do	not over		cause the head to snap or st	mum of 1750 RPM drive speed recommended. Use a #3 Phillips ripping of the recess. Installed fasteners must penetrate a minimum of

				Pullout	t Values (Av	g. Lbs.)							
Faste	ener					Steel Gauge	9						
Size	Pt.	22	2 20 18 16 14 12 1/8 3/16 1/4										
1/4-20	4			595	856	1114	1805	2337	4416	4885			
				Shear	Values (Avç	g. Lbs.)							
Faste	ener				Stee	l Gauge (La	pped)						
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16 1/4										
1/4-20	4		1		2040	2509	2573	2738	1				

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)

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STRONG-POINT[®] Get the Point. Strong-Point.

R200W_Rev. A (8/24/17)

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 wo	od to met	al.		
	Drill Capaci	ty (in.): .1	10210		
Specifications:	 Meets AS 	TM ¹ C 15	13 for cold-forn	ned steel framing connection	
	Meets AS	TM A 510	for carbon stee	I manufacturing	
	 Manufaction 	ured to SA	AE ² J78 for dime	nsional specifications	Corrosion Protection - ACQ Compatible
	• Meets F.I.	P. ³ -1000.1	7 for torsional s	trength and drill speed	
	 WAR coat 	ting excee	ds 1,000/hr. sal	t spray resistance	
Features:	 Designed 	to work w	vith ACQ treated	lumber	
	 Wings rea 	am hole ir	wood preventir	ng "jacking action"	
Installation:	A standard s	screw gun	with torque lim	iting nose piece set at a max	imum of 2000 RPM drive speed recommended. Use a #3 Phillips
	drive bit. Do	o not over	torque as it can	cause the head to snap or st	ripping of the recess. Installed fasteners must penetrate a minimum
	of three full	threads b	eyond the metal	structure.	

			Pullou	ıt Values (Avg.	Lbs.)			
Faste	ener							
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	3	484	679	959	1489	2371	3384	3732
			Shea	r Values (Avg.	Lbs.)			
Faste	ener							
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)

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STRONG-POINT[®] Get the Point. Strong-Point.

R212W_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 wo Drill Capacit				
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ured to SA P. ³ -1000.7	l for carbon stee AE² J78 for dime 7 for torsional s	ned steel framing connectior I manufacturing ensional specifications trength and drill speed t spray resistance	S Corrosion Protection - ACQ Compatible
Features:	Ū.		vith ACQ treated wood preventin	lumber ng "jacking action"	
Installation:	drive bit. Do	not over		cause the head to snap or s	imum of 2000 RPM drive speed recommended. Use a #3 Phillips ripping of the recess. Installed fasteners must penetrate a minimum

			Pullou	it Values (Avg.	Lbs.)			
Fast	tener							
Size	Pt.	18	16	14	12	1/8	3/16	1/4
12-24	4	484	679	959	1489	2371	3384	3732
			Shea	r Values (Avg.	Lbs.)			
Fast	tener							
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)

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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 woo Drill Capacit				
Specifications:	ManufactuMeets F.I.F	red to SA P. ³ -1000.	AE ² J78 for dime 7 for torsional si	ned steel framing connections ensional specifications trength and drill speed t spray resistance	Corrosion Protection - ACQ Compatible
Features:	Ū.		vith ACQ treated 1 wood preventir	lumber ng "jacking action"	
Installation:	drive bit. Do	not over		cause the head to snap or str	mum of 1750 RPM drive speed recommended. Use a #3 Phillips ipping of the recess. Installed fasteners must penetrate a minimum

				Pullout	Values (Av	g. Lbs.)							
Faste	ener					Steel Gauge)						
Size	Pt.	22	2 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	ı. Lbs.)							
Faste	ener				Stee	l Gauge (Lap	oped)						
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT Get the Point, Strong-Point,

FP212W_Rev. A (5/4/18)

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 w	rood to n	netal.		
	Drill Capac	city (in.):	: .035176		
Specifications:	 Meets A 	STM ¹ C	1513 for cold-	formed steel framing connec	otions
	Meets A	STM A 5	510 for carbon	steel manufacturing	
	 Manufac 	ctured to	SAE ² J78 for d	imensional specifications	Corrosion Protection - ACQ Compatible
	• Meets F.	I.P. ³ -100	0.7 for torsion	al strength and drill speed	
	 WAR cost 	ating exc	ceeds 1,000/hr.	salt spray resistance	
Installation:	A standard	l screw g	jun with torque	limiting nose piece set at a	maximum of 2500 RPM drive speed recommended. Use a #2 Square
	drive bit, #	2 Phillip	os drive bit, or o	combo bit. Do not over torqu	ue as it can cause the head to snap or stripping of the recess. Installed
	fasteners n	nust pen	etrate a minim	um of three full threads beyc	and the metal structure.
				Pullout Values (A	lvg. Lbs.)

Fastener Steel Gauge Size Pt. 22 20 18 16 14 12 1/8 3/1											
Size	Pt.	14	12	1/8	3/16						
10-16	3	261	293	487	690	941	1432	2017			
Fast	ener			Shear Value	s (Avg. Lbs.) Steel Gaug						
	Pt.	22	20	18	16	14	12	1/8	3/16		
Size	16							1	2		

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)

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STRONG-POINT[®] Get the Point. Strong-Point.

W804_Rev. A (5/27/15)

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 me	tal to met	al.		
	Drill Capaci	ty (in.): .0	35100		
Specifications:	Meets AS	TM ¹ C 15	13 for cold-form	ned steel framing connections	3
	 Meets AS 	TM A 510	for carbon stee	I manufacturing	
	 Manufaction 	ured to SA	AE ² J78 for dime	nsional specifications	
	• Meets F.I.	P. ³ -1000.1	7 for torsional st	rength and drill speed	
	 Meets AS 	TM F194 ⁻	I for corrosion r	esistance	
Installation:	A standard s	crew gun	with torque lim	iting nose piece set at a maxi	mum of 2500 RPM drive speed recommended. Use a #2 reduced
	Phillips driv	e bit. Do I	not over torque a	as it can cause the head to sn	ap or stripping of the recess. Installed fasteners must penetrate a
	minimum of	three full	threada havand	the metal structure.	

				Pullout Value	es (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 Value	s (Avg. Lbs.)						
Fast	ener				,	e (Lapped)					
Size	Pt.	22	20	18	16		12	1/0	3/16		
3126	Fl.	22	20	10	10	14	12	1/8	3/10		
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)

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STRONG-POINT Get the Point. Strong-Point.

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 ply	wood to n	netal.		

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

Specifications:

- Meets ASTM A 510 for carbon steel manufacturing
- Manufactured to SAE² J78 for dimensional specifications

Meets ASTM¹ C 1513 for cold-formed steel framing connections

- 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 Valu	es (Avg. Lbs.)			
Fast	ener				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 Value	es (Avg. Lbs.)				
Fast	ener				Steel Gaug	je (Lapped)			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
10-24	3	Ì	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

W117_Rev. A (5/27/15)

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 ply Drill Capacit				
Specifications:	Meets ASManufactuMeets F.I.	TM A 510 ured to SA P. ³ -1000.7) for carbon stee AE ² J78 for dime	ned steel framing connections I manufacturing ensional specifications trength and drill speed esistance	5
Installation:	drive bit. Do	not over		cause the head to snap or sti	mum of 1750 RPM drive speed recommended. Use a #3 Phillips ripping of the recess. Installed fasteners must penetrate a minimum

				Pullout	Values (Av	g. Lbs.)				
Faste	ener					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
Faste	2005	1		Shear	Values (Avę	j. Lbs.) I Gauge (La	anod)			
Î				10	1	1		4/0	0/40	4/4
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)

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STRONG-POINT[®] Get the Point. Strong-Point.

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	W106T32M1/4" - 1"Star drive Wafer Head, Zinc Plated								
Application:	Attaches ply Drill Capaci									
Specifications:	Meets ASManufactuMeets F.I.	 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 d 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.)					
Fast	tener			S	teel Gauge					

Fasi	ener				21661	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.)										
Fast	ener		Steel Gauge (Lapped)								
Size	Pt.	22	22 20 18 16 14 12 1/8								
	1	1			1			1			

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.

1231

709

¹(American Society of Testing Materials)

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²(Society of Automotive Engineers)

³(Fastener Inspection Products)

10-16

W103T_	_W106T_	_Rev. A (5/27/15)

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STRONG-POINT[®] Get the Point. Strong-Point.

R107_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 plyv Drill Capacity									
Specifications:	Meets ASTManufactuMeets F.I.F	 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	22 20 18 16 14 12 1/8 3/1								
10-24	3		335	496	702	901	1469	2112	2668		
				Shear Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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)

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STRONG-POINT[®] Get the Point, Strong-Point,

R107W_Rev. A (5/27/15)

Submittal: SDPRW1023W



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

of three full threads beyond the metal structure.

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 plyv Drill Capacity				
Specifications:	Meets ASTManufactuMeets F.I.F	M A 510 red to SA ? ³ -1000.7	for carbon stee E ² J78 for dime 7 for torsional s	ned steel framing connections I manufacturing ensional specifications trength and drill speed t spray resistance	Corrosion Protection - ACQ Compatible
Features:	-		vith ACQ treated wood preventir	lumber ng "jacking action"	
Installation:			·	.	mum of 2500 RPM drive speed recommended. Use a #2 Phillips ipping of the recess. Installed fasteners must penetrate a minimum

	Pullout Values (Avg. Lbs.)											
Fastener Steel Gauge												
Size	Pt.	22	22 20 18 16 14 12 1/8						3/16			
10-24	3		335	496	702	901	1469	2112	2668			
				Shear Value	s (Avg. Lbs.)							
Faste	ener				Steel Gaug	e (Lapped)						
Size	Pt.	22	20	18	16	14	12	1/8	3/16			
10-24	3		709	1231	1497	1508			Ì			

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)

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F6_Rev. A (8/24/17)

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 m	netal track to	o metal studs.							
	Drill Capac	city (in.): .0	35090							
Specifications:	Meets A	STM ¹ C 15 ⁻	13 for cold-forme	ed steel framing connections						
	Meets A	• Meets ASTM A 510 for carbon steel manufacturing								
	Meets A	Meets ASTM C 954 for attaching track to steel studs								
	 Manufac 	ctured to SA	E ² J78 for dimen	sional specifications						
	Meets F.	I.P. ³ -1000.7	for torsional stre	ength and drill speed						
Installation:	A standard	l screw gun	with torque limiti	ing nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips dr	ive bit. Do r	not over torque as	s it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum	of three full	threads beyond t	he metal structure.						
				Pullout Values (Avg. Lbs.)						

			Pullout value	es (Avg. Lds.))						
Fastener Steel Gauge											
Pt.	22	20	18	16	14	12	1/8	3/16			
2	126	218	366	496	825	1004					
	1		Shear Value		1						
ener				Steel Gaug	e (Lapped)						
Pt.	22	20	18	16	14	12	1/8	3/16			
ŋ	444	721	875	912							
	Pt. 2 ener Pt.	Pt. 22 2 126 ener 2 Pt. 22	Pt. 22 20 2 126 218 ener Pt. 22 20	ener Pt. 22 20 18 2 126 218 366 	ener Steel Pt. 22 20 18 16 2 126 218 366 496 Shear Values (Avg. Lbs.) Steel Gaug Pt. 22 20 18 16	Pt. 22 20 18 16 14 2 126 218 366 496 825 Shear Values (Avg. Lbs.) ener Steel Gauge (Lapped) Pt. 22 20 18 16 14	ener Steel Gauge Pt. 22 20 18 16 14 12 2 126 218 366 496 825 1004 Shear Values (Avg. Lbs.) ener Steel Gauge (Lapped) Pt. 22 20 18 16 14 12	Steel Gauge Pt. 22 20 18 16 14 12 1/8 2 126 218 366 496 825 1004 1004 Shear Values (Avg. Lbs.) Steel Gauge (Lapped) Pt. 22 20 18 16 14 12 1/8			

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)

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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 m	netal track to	o metal studs.							
	Drill Capac	city (in.): .0	35090							
Specifications:	Meets ASTM ¹ C 1513 for cold-formed steel framing connections									
	Meets A	Meets ASTM A 510 for carbon steel manufacturing								
	Meets ASTM C 954 for attaching track to steel studs									
	 Manufac 	ctured to SA	E ² J78 for dimen	sional specifications						
	• Meets F.	I.P. ³ -1000.7	for torsional stre	ength and drill speed						
Installation:	A standard	screw gun	with torque limiti	ing nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips dr	ive bit. Do i	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	throada havand t	he metal structure.						

Pullout Values (Avg. Lbs.)										
Fastener Steel Gauge										
Pt.	22	20	18	16	14	12	1/8	3/16		
2	126	218	366	496	825	1004				
			Shear Value	s (Avg. Lbs.)						
				,						
,1161	L			Jieer daug	le (Lappeu)					
Pt.	22	20	18	16	14	12	1/8	3/16		
2	444	721	875	912						
	Pt. 2 ener Pt.	Pt. 22 2 126 ener	Pt. 22 20 2 126 218 ener	Pt. 22 20 18 2 126 218 366 Shear Value ener Pt. 22 20 18	Pt. 22 20 18 16 2 126 218 366 496 Shear Values (Avg. Lbs.) Steel Gaug Pt. 22 20 18 16	Pt. 22 20 18 16 14 2 126 218 366 496 825 Shear Values (Avg. Lbs.) Steel Gauge Pt. 22 20 18 16 14 Pt. Steel Gauge Pt. Steel Gauge Pt. Steel Gauge	Steel Gauge Pt. 22 20 18 16 14 12 2 126 218 366 496 825 1004 Shear Values (Avg. Lbs.) Steel Gauge Pt. 22 20 18 16 14 12	Steel Gauge Pt. 22 20 18 16 14 12 1/8 2 126 218 366 496 825 1004 1004 Shear Values (Avg. Lbs.) Steel Gauge (Lapped) Pt. 22 20 18 16 14 12 1/8		

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)

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F7_Rev. A (8/24/17)



Submittal: SDDPF0607Z



F6Z_Rev. A (8/24/17)

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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 m	netal track to	o metal studs.							
	Drill Capac	city (in.): .0	35090							
Specifications:	 Meets A 	Meets ASTM ¹ C 1513 for cold-formed steel framing connections								
	Meets A	Meets ASTM A 510 for carbon steel manufacturing								
	Meets ASTM C 954 for attaching track to steel studs									
	 Manufac 	ctured to SA	E ² J78 for dimen	sional specifications						
	• Meets F.	I.P. ³ -1000.7	7 for torsional stre	ength and drill speed						
	Meets A	STM F1941	for corrosion res	sistance						
Installation:	A standard	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 t	he 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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (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)

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Submittal: SDDPF0707Z



F7Z_Rev. A (8/24/17)

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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 m	netal track t	o metal studs.							
	Drill Capac	city (in.): .0	35090							
Specifications:	Meets A	STM ¹ C 15	13 for cold-forme	ed steel framing connections						
	Meets A	• Meets ASTM A 510 for carbon steel manufacturing								
	Meets A	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 stre	ength and drill speed						
	Meets A	STM F194 ⁻	1 for corrosion re	sistance						
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 t	he 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				
		1		Shear Value	s (Avg. Lbs.)						
Fast	ener				Steel Gaug	je (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)

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Submittal: SDDPB0616Z



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

• Meets F.I.P.³-1000.7 for torsional strength and drill speed

• ICC-ES Evaluation Report: ESR-3528

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 gy Drill Capac	•	ulation and wood 35090	to metal.	
Specifications:	Meets AsMeets As	STM A 510 STM C 954	13 for cold-forme I for carbon steel I for attaching trac AE ² J78 for dimen	ICC	

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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (Lapped)				
Size	Pt.	22	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)

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STRONG-POINT[®] Get the Point. Strong-Point.

D823Z_D830Z_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.): .035100								
Specifications:	 Meets A Meets A Manufac Meets F. 	STM A 510 STM C 954 stured to S/ I.P. ³ -1000.) for carbon steel 4 for attaching trac AE ² J78 for dimen	ick to steel studs insional specifications rength and drill speed					
Installation:	A standard Phillips dri	screw gun ive bit. Do	with torque limit not over torque as	ting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced s it can cause the head to snap or stripping of the recess. The bugle head fastener is properly htly countersunk with the sheathing surface. Installed fasteners must penetrate a minimum of					

three full threads beyond the metal structure.

Pullout Values (Avg. Lbs.)											
Fast	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 Value	es (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (Lapped)					
Size	Pt.	22	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)

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STRONG-POINT[®] Get the Point. Strong-Point.

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 gyps Drill Capacity		tion and wood to 110	metal.
Specifications:	 Meets ASTN Meets ASTN Manufacture Meets F.I.P.² 	M A 510 fc M C 954 fc ed to SAE ² 3-1000.7 fi	r carbon steel ma or attaching track i J78 for dimensic	to steel studs onal specifications gth and drill speed
Installation:		0		nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced 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 Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (Lapped)					
Size	Pt.	22	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)

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STRONG-POINT Get the Point. Strong-Point.

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
Annelination	A.L		المحمد المحمد معالمات	

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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (Lapped)				
Size	Pt.	22	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)

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STRONG-POINT Get the Point. Strong-Point.

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 gy Drill Capac		ulation and wood 35100	to metal.					
Specifications:				B for cold-formed steel framing connections					
			for attaching trace F^2 178 for dimen	ck to steel studs sional specifications					
				ength and drill speed					
	• ICC-ES	Evaluation	Report: ESR-3528	8					
Installation:	Phillips dri	ive bit. Do	not over torque as	ing nose piece set at a maximum of 2500 RPM drive speec s it can cause the head to snap or stripping of the recess. T ntly countersunk with the sheathing surface. Installed faster	he bugle head fastener is properly				

three full threads beyond the metal structure.

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3										
8-18	2	168	227	398	502	888	1050						
				Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	Pt. 22 20 18 16 14 12 1/8 3/16											
8-18	2	522	780	937	1025				1				

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)

D823	_D830_	Rev.	A	(8/28/	17)
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Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

D1031_D1040_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 gyp	osum, insu	lation and wood to	o metal.
	Drill Capacit	ty (in.): .03	5110	
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections
	Meets AS	TM A 510	for carbon steel m	nanufacturing
	Meets AS	TM C 954	for attaching track	to steel studs
	 Manufactu 	ured to SAI	² J78 for dimensi	ional specifications
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced
	Phillips driv	e bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. The bugle head fastener is properly
	seated when	the head s	its flush or slight	ly countersunk with the sheathing surface. Installed fasteners must penetrate a minimum of
	three full thr	eads beyor	nd the metal struct	ture.

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16										
10-16	2	267	360	534	763	1005	1606						
				Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	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)

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STRONG-POINT[®] Get the Point. Strong-Point.

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:			ning to metal.							
	Drill Capacit	:y (in.): .03	5090							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections						
	Meets ASTM A 510 for carbon steel manufacturing									
	Meets AS	TM C 954	for attaching gyps	sum board to steel studs						
	 Manufactu 	ured to SA	² J78 for dimensi	ional specifications						
	• Meets F.I.I	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Ruspert co	pating mee	ts ASTM B 117 fo	or salt spray corrosion						
	• Exceeds 1	,000/hrs. s	alt spray resistan	Ce						
Installation:	A standard s	crew gun \	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. Do n	ot over torque as i	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	22 20 18 16 14 12 1/8 3/16										
6-20	2	126	218	366	496	825	1004						
		•		Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	20	18	16	14	12	1/8	3/16				
6-20	2	444	721	875	912			1					

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

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:			ning to metal.							
	Drill Capacit	ty (in.): .03	5100							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections						
	Meets ASTM A 510 for carbon steel manufacturing									
	Meets AS	TM C 954	for attaching gyps	sum board to steel studs						
	 Manufactu 	ured to SA	² J78 for dimensi	ional specifications						
	Meets F.I.I	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Ruspert co	oating mee	ts ASTM B 117 fo	or salt spray corrosion						
	Exceeds 1	,000/hrs. s	alt spray resistan	Ce						
Installation:	A standard s	crew gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. Do n	ot over torque as i	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	22 20 18 16 14 12 1/8 3/16										
8-18	2	168	227	398	502	888	1050						
		•		Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





D820Z_Rev. A (8/28/17)

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	1" lumber o	r thinner to steel.							
	Drill Capaci	ty (in.): .03	5104							
Specifications:	 Meets AS 	TM ¹ C 151	3 for cold-formed	steel framing connections						
	Meets AS	TM A 510 f	or carbon steel m	nanufacturing						
	Meets AS	TM 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 Poir	nt prevents	"jacking action"							
Installation:	A standard s	screw gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. The bugle head fastener is properly						
	seated wher	n the head s	its flush or slightl	ly countersunk with the sheathing surface. Installed fasteners must penetrate a minimum of						
	three full thr	reads beyor	nd the metal struct	ture.						

				Pullout Value	es (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 Value	s (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (Lapped)					
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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PC5_PC12_Rev. A (5/10/23)

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 par	nel clips to	metal studs.							
	Drill Capaci	ty (in.): .03	5176							
Specifications:	 Meets AS 	TM ¹ C 151	3 for cold-formed	d steel framing connections nanufacturing						
	Meets ASTM A 510 for carbon steel manufacturing									
	 Manufact 	ured to SAI	² J78 for dimensi	cional specifications)					
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Meets AS	TM F1941	for corrosion resi	istance						
	• ICC-ES E	valuation R	eport: ESR-3528							
Installation:	A standard s	screw gun v	vith torque limitin	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	ve bit. Do n	ot over torque as	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a	3					
	minimum of	f three full t	hreads beyond th	ne metal structure.						

				Pullout Valu	es (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 Value	es (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690







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 par	nel clips to	metal studs.	
	Drill Capacit	ty (in.): .03	5176	
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	steel framing connections
	Meets AS	TM A 510	for carbon steel m	hanufacturing STRONGD
	 Manufactu 	ured to SA	² J78 for dimensi	ional specifications
	• Meets F.I.	P. ³ -1000.7	for torsional strer	ngth and drill speed
	 Rust/Acid 	Rain Prote	ection	
	• ACQ Com	patible		
	Exceeds 1	,000/hrs. s	salt spray resistan	Ce
Installation:	A standard s	crew gun v	with torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced
	Phillips driv	e bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a
	minimum of	three full t	hreads beyond th	e metal structure.

				Pullout Value	es (Avg. Lbs.)						
Fastener Steel Gauge											
Size	Pt.	22	22 20 18 16 14 12 1/8 3								
10-16	3	261	293	487	690	941	1432	2017			
				Shear Value	s (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (Lapped)					
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





M82Z_M85Z_Rev. A (7/5/15)

Submittal: SDDPM0808Z

$\textbf{STRONG-POINT}^{\texttt{®}} \textbf{ PHILLIPS MODIFIED TRUSS (R/W) HEAD, ZINC PLATED}$

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 wir Drill Capaci				
Specifications:	 Meets AS Manufact Meets F.I. Meets AS 	TM A 510 ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications ngth and drill speed	ES
Installation:	Phillips driv	e bit. Do n		ig nose piece set at a maximum of 2500 RPM drive speed recomr it can cause the head to snap or stripping of the recess. Installed e metal structure.	

				Pullout Valu	es (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 Value	es (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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M87Z_M95Z_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 wir Drill Capaci				
Specifications:	 Meets AS Manufactu Meets F.I. Meets AS 	TM A 510 ⁻ ured to SAI P. ³ -1000.7 TM F1941	for carbon steel m E ² J78 for dimensi	ional specifications ngth and drill speed	ICC ES
Installation:	Phillips driv	e bit. Do n	ot over torque as i	g nose piece set at a maximum of 2500 RPM drive speed reco it can cause the head to snap or stripping of the recess. Installe e metal structure.	

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8										
8-18	2	260	292	479	685	933	1533						
				Shear Value	es (Avg. Lbs.)								
Fast	ener				Steel Gaug	je (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



Submittal: SDDPM1010Z



M106Z_Rev. A (7/17/19)

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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 wir	e lath to m	etal studs or meta	al to metal.						
	Drill Capacit	y (in.): .03	5176							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	d steel framing connections						
	Meets AS	TM A 510	for carbon steel m	d steel framing connections ICC ICC ICC ICC ICC ICC ICC ICC ICC IC						
	Manufactured to SAE ² J78 for dimensional specifications									
	 Meets F.I.P.³-1000.7 for torsional strength and drill speed 									
	Meets AS	TM F1941	for corrosion resi	istance						
	• ICC-ES EV	aluation R	eport: ESR-3528							
Installation:	A standard s	crew gun \	with torque limitir	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. Do n	ot over torque as	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum of	three full t	hreads beyond th	ie metal structure.						

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3										
10-16	3	261	293	487	690	941	1432	2017					
				Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





M1032Z_Rev. A (10/25/19)

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 Capacit	y (in.): .03	5176							
Specifications:	Meets AST	ГМ ¹ С 151	3 for cold-formed	steel framing connections						
	Meets AST	TM A 510 1	or carbon steel m	anufacturing						
	Manufactured to SAE ² J78 for dimensional specifications									
	• Meets F.I.F	P. ³ -1000.7	for torsional strer	ngth and drill speed						
	Meets AST	FM F1941	for corrosion resi	stance						
nstallation:	A standard s	crew gun v	vith torque limitin	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced						
	Phillips drive	e bit. Do n	ot over torque as i	it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a						
	minimum of	three full t	hreads beyond the	e metal structure.						

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3/										
10-16	3	261	293	487	690	941	1432	2017					
				Shear Value	s (Avg. Lbs.)								
Faste	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



Submittal: SDDPM1212Z



M126Z_Rev. A (2/27/23)

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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 Capacit	ty (in.): .03	5210							
Specifications:	Meets AS	TM ¹ C 151	3 for cold-formed	d steel framing connections hanufacturing						
	Meets ASTM A 510 for carbon steel manufacturing									
	Manufactured to SAE ² J78 for dimensional specifications									
	• Meets F.I.	ngth and drill speed								
	Meets AS	TM F1941	for corrosion resi	istance						
	• ICC-ES Ev	valuation F	eport: ESR-3528							
Installation:	A standard s	crew gun v	with torque limitin	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 Phillips						
	drive bit. Do	not over t	orque as it can ca	use the head to snap or stripping of the recess. Installed fasteners must penetrate a minimur						
	of three full	threads be	yond the metal str	ructure.						

Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge												
Size	Pt.	22	22 20 18 16 14 12 1/8 3/1									
12-14	3	283	333	537	737	1034	1585	2349	2911			
				Shear Value	es (Avg. Lbs.)							
Faste	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





M82B_M85B_Rev. A (7/5/15)

Submittal: SDDPM0808B

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

minimum of three full threads beyond the metal structure.

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.): .035100							
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:		0	•	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a				

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.)											
Fast	ener	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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



T1QZ_T2QZF_Rev. A (10/31/19)

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 wo Drill Capacit			
Specifications:	ManufactulMeets F.I.	ured to SAI P. ³ -1000.7		onal specifications ngth and drill speed
Installation:	Square drive	e bit. Do no		g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced t can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a e 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 Value	es (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



T3QZ_Rev. A (5/1/23)

Submittal: SDDQT0848Z

$\operatorname{STRONG-POINT}^{^{(\! R)}}$ 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 wo Drill Capaci			
Specifications:			for carbon steel r ²² J78 for dimensi	nanufacturing ional specifications
			for torsional strer for corrosion resi	ngth and drill speed
Installation:	Square drive	e bit. Do no	t over torque as i	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced t can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a re metal structure.

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3										
8-18	2	260	292	479	685	933	1533						
		-		Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (Lapped)							
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16										
8-18	2	546	721	1031	1049				1				

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



TOQ_Rev. A (2/24/16)

Submittal: SDDQT0616B

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

Size	Part#	Pt.	Case Qty.	Description
7-19 x 1	TOQ	2	10M	Square Drive Trim Head, Phosphate Coating
Application:	Attaches wo Drill Capaci			
Specifications:	 Manufaction 	ured to SAI		nanufacturing ional specifications ngth and drill speed
Installation:	Square drive	e bit. Do no	t over torque as i	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced t can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a re metal structure.

Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge												
Size	Pt.	22	22 20 18 16 14 12 1/8 3/16									
7-19	2	126	218	366	496	825	1004					
				Shear Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (Lapped)						
Size	Pt.	22	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)

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Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



T1Q_T2Q_Rev. A (5/1/23)

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 wo Drill Capaci			
Specifications:	 Manufact 	ured to SAI		nanufacturing ional specifications ngth and drill speed
Installation:	Square drive	e bit. Do no		g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced t can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a e 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 Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



T3Q_Rev. A (5/1/23)

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 wo Drill Capaci			
Specifications:	 Manufact 	ured to SAI		nanufacturing ional specifications ngth and drill speed
Installation:	Square drive	e bit. Do no	t over torque as it	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced t can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a e metal structure.

Pullout Values (Avg. Lbs.)										
Fastener Steel Gauge										
Size	Pt.	22	22 20 18 16 14 12 1/8					3/16		
8-18	2	260	292	479	685	933	1533			
				Shear Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



T1P_T2P_Rev. A (5/12/23)

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.): .035090						
Specifications:	 Manufact 	ured to SAE		nanufacturing ional specifications ngth and drill speed				
Installation:	Phillips driv	re bit. Do no	ot over torque as i	In g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #1 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.				

				Pullout Valu	es (Avg. Lbs.))			
Fast	ener				Steel	Gauge			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
6-20	2	126	218	366	496	825	1004		
		-		Shear Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 gyp	sum board to light	gauge steel.		
Specifications:	Meets AS	TM ¹ A 510 for carb	on steel manufacturing		
	Meets AS	TM C 1002 for atta	ching gypsum board to steel studs		
Features:	• Type 'S' po	pint for fastening g	/psum 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)

606_624_Rev. A (7/5/15)



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 gy	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' p	• 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 Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not as it can cause the head to snap or damage to the work surface.							

¹(American Society of Testing Materials)

722_Rev. A (8/8/19)



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 gy	Attaches gypsum board to light gauge steel.							
Specifications:	• Meets ASTM ¹ A 510 for carbon steel manufacturing								
	 Meets AS 	TM C 1002 for attac	ching gypsum board to steel studs						
Features:	● Type 'S' p	• 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 driv	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)

822_830_Rev. A (7/5/15)





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 gyp	osum board to light	gauge steel.						
Specifications:	Meets AS	TM ¹ A 510 for carb	on steel manufacturing						
	Meets AS	TM C 1002 for atta	ching gypsum board to steel studs						
Features:	• Type 'S' p	oint for fastening gy	ypsum to light gauge steel						
Installation:	A standard s	A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced							
	Phillips driv	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 cau	as it can cause the head to snap or damage to the work surface.							

¹(American Society of Testing Materials)

1031_1060_Rev. A (7/5/15)



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 gyp	osum board to wood	d studs or used in light duty wood to wood applications. Also used in particle board attachments.			
Specifications:	Meets AS	TM ¹ A 510 for carbo	on steel manufacturing			
	Meets AS	TM C 1002 for attac	ching gypsum board to wood or steel studs			
Installation:	A standard s	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.

606C_624C_Rev. A (11/19/19)





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 gyp	Attaches gypsum board to wood studs or used in light duty wood to wood applications. Also used in particle board attachments.					
Specifications:			on steel manufacturing ching gypsum board to wood or steel studs				
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque to or damage to the work surface.				

¹(American Society of Testing Materials)

712C_722C_Rev. A (11/19/19)





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	M 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 ASTM ¹ A 510 for carbon steel manufacturing							
	Meets AS	Meets ASTM C 1002 for attaching gypsum board to wood or steel studs						
Installation:	A standard s	A standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. The fastener i	s 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)

814C_830C_Rev. A (11/19/19)





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 gyp	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 s	crew gun with torq	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced					
	Phillips driv	e bit. The fastener i	s completely installed when the fastener head is seated flush with the work surface. Do not over torque					
	as it can cau	se the head to snar	o or damage to the work surface.					

¹(American Society of Testing Materials)

1031C_1060C_Rev. A (11/19/19)



Submittal: DWSCB0620B

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 ASTM ¹ A 510 for carbon steel manufacturing							
	• Meets AS	INIC TOUS FOR Attac	ching gypsum board to wood or steel studs					
Installation:	A standard s	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	s completely installed when the fastener head is seated flush with the work surface. Do not over torque					
	as it can cau	se the head to snap	o or damage to the work surface.					

614QC_620QC_Rev. A (11/19/19)



Submittal: DWSCB0732B

Size	Part#	Part# Case Qty. Description						
7 x 2	720QC	3.5M	Square Drive Bugle Head, Coarse Thread, Phosphate Coating					
Application:	Attaches sof	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 re Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do not over as it can cause the head to snap or damage to the work surface.							



Submittal: DWSCB0840B

Size	Part#	art# 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	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 Square drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do no as it can cause the head to snap or damage to the work surface.							

¹(American Society of Testing Materials)

822QC_830QC_Rev. A (11/19/19)





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 gyp	sum board to woo	d or metal studs.					
Specifications:	• Meets ASTM ¹ A 510 for carbon steel manufacturing							
	Meets ASTM C 1002 for attaching gypsum board to wood or steel studs							
Features:	• Type 'S' po	• Type 'S' point for fastening gypsum to light gauge steel						
Installation:	A standard s	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	e bit. The fastener i	s completely installed when the fastener head is seated flush with the work surface. Do not over torque					
	as it can cau	as it can cause the head to snap or damage to the work surface.						

¹(American Society of Testing Materials)

610HL_624HL_Rev. A (11/19/19)



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 gyp	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 						
	• IVIEELS AS	11VI C 1002 101 allal						
Features:	• Type 'S' po	• Type 'S' point for fastening gypsum to light gauge steel						
Installation:	A standard s	standard screw gun with torque limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced						
	Phillips driv	e bit. The fastener is	s completely installed when the fastener head is seated flush with the work surface. Do not over torque					
	as it can cau	se the head to snap	o or damage to the work surface.					

¹(American Society of Testing Materials)

822HL_830HL_Rev. A (11/19/19)





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, Phospate Coating					
Application:	Attaches do	uble-layered gypsur	m board.					
Specifications:		 Meets ASTM¹ A 548 for carbon steel manufacturing Meets ASTM C 1002 for attaching gypsum board to wood or steel studs 						
Installation:	Phillips driv	e bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.					

LAM_Rev. A (11/19/19)



Submittal: DWPFB0607B

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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	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:	Phillips driv	ve bit. Do not over to	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced orque as it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a beyond the metal structure.						

			Pullout Valu	es (Avg. Lbs.)					
Fastener	Steel Gauge								
Size 22 20 18 16 14 12 1/									
6 x 7/16	247	316							
			Shear Value	es (Avg. Lbs.)					
Fastener			St	eel Gauge (Lappo	ed)				
Size	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.



Submittal: DWPFB0707B

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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	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:	Phillips driv	ve bit. Do not over to	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced prque as it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a beyond the metal structure.					

			Pullout Value	es (Avg. Lbs.)					
Fastener	Steel Gauge								
Size	Size 22 20 18 16 14 12 1								
7 x 7/16	247	316							
			Shear Value	s (Avg. Lbs.)					
Fastener			St	eel Gauge (Lappo	ed)				
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.

7F_Rev. A (7/6/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 wo	Attaches wood trim to drywall or studs.					
Specifications:			on steel manufacturing ching 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 ove					

torque as it can cause the head to snap or damage to the work surface.

¹(American Society of Testing Materials)

1PT_2PT_Rev. A (5/1/23)



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 wo	Attaches wood trim to drywall or studs.					
Specifications:			on steel manufacturing				
	• Meels AS	TIMIC TOUZ TOT ALLAC	ching gypsum board to studs				
Installation:	A standard s	screw gun with torqu	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #1 reduced				
	Square drive	Square drive bit. The fastener is completely installed when the fastener head is seated flush or just below the work surface. Do not ov					
	torque as it can cause the head to snap or damage to the work surface.						

¹(American Society of Testing Materials)

0QT_2QT_Rev. A (5/1/23)





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 wo	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:	Square driv	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 ove torque as it can cause the head to snap or damage to the work surface.						

¹(American Society of Testing Materials)

3QT_Rev. A (51/23)



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:	Multipurpos	e sheet metal screw	<i>i</i> for light to medium gauge applications.					
	Attaches wire	Attaches wire lath to wood or light gauge metal.						
Specifications:	Meets AS	rM ¹ A 510 for carbo	on steel manufacturing					
	 Meets AST 	FM B 633 for electr	odeposited zinc coatings					
	Meets AST	TM F1941 for corro	ision resistance					
Installation:	A standard s	crew gun with torq	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced					
	Phillips drive	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 Value	s (Avg. Lbs.)					
Fastener			Ste	eel Gauge (Lapp	ed)				
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)

84MZ_97MZ_Rev. A (8/27/19)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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:			v for light gauge metal or wood applications. esthetics are important.				
Specifications:	Meets AS	Meets ASTM ¹ A 510 for carbon steel manufacturing					
Installation:	A standard s	A standard screw gun with torgue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced					

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 Value	s (Avg. Lbs.)					
Fastener			Ste	eel Gauge (Lappo	ed)				
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)

85MB_90MB_Rev. A (8/27/19)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: NPSHZ0606Z



$\operatorname{STRONG-POINT}^{^{(\!\!\!\!\!\!\!\!\!\!\!\!)}}$ 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 lig	ht gauge sheet meta	al to sheet metal or wood.				
Specifications:	 Meets AS 	 Meets ASTM¹ A 510 for carbon steel manufacturing Meets ASTM B 633 for electrodeposited zinc coatings Meets ASTM F1941 for corrosion resistance 					
Features:	• 22º point	pierces light gauge	rew for light to medium gauge applications metal es 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 recommend Do not over torque as it can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of full threads beyond the metal structure.						

¹(American Society of Testing Materials)

N606_Rev. A (7/7/15)





Submittal: NPSHZ0708Z



$\operatorname{STRONG-POINT}^{^{(\!\!\!\!\!\!\!\!\!\!\!\!)}}$ 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 lig	ht gauge sheet meta	al 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:	• 22º point	pierces light gauge	rew for light to medium gauge applications metal es faster installation speeds			
Installation:	Do not over		ive socket with torque limiting nose piece set at a minimum of 1400 RPM drive speed recommended. use the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three tructure.			

¹(American Society of Testing Materials)

N708_Rev. A (7/7/15)





Submittal: NPSHZ0808Z



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 ASTM ¹ 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.				

N808_N848_Rev. A (4/25/18)





Submittal: NPSHZ1008Z



$\operatorname{STRONG-POINT}^{^{(\!\!\!\!\!\!\!\!\!\!\!\!)}}$ 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 ASTM ¹ 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)

N1008_N1032_Rev. A (8/18/15)





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:	Do not over		ive socket with torque limiting nose piece set at a minimum of 1400 RPM drive speed recommended. use the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three tructure.

¹(American Society of Testing Materials)

N1024H_Rev. A (8/18/15)





Submittal: NPSHZ10085Z



$\operatorname{STRONG-POINT}^{^{(\!\!\!\!\!\!\!\!\!\!\!\!)}}$ 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)

N10085_N10485_Rev. A (4/25/18)





Submittal: NPWSW0808Z



${\tt STRONG-POINT}^{^{\tiny(\!0\!)}}{\tt SLOTTED} \ {\tt INDENTED} \ {\tt HEX} \ {\tt WASHER} \ {\tt HEAD}, \ {\tt ZINC} \ {\tt PLATED} \ {\tt W} {\tt BONDED} \ {\tt NEO-EPDM} \ {\tt WASHER}$

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 ASTM ¹ 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:	Do not over	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 recommend Do not over torque as it can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of t full threads beyond the metal structure.		

¹(American Society of Testing Materials)

NA1012_NA1032_Rev. A (8/18/15)





Submittal: NPWSW10165Z



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:	Do not over t	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 recommend Do not over torque as it can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of thre full threads beyond the metal structure.		

¹(American Society of Testing Materials)

NA10125_NA10325_Rev. A (7/7/15)





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 ligh	t gauge sheet meta	I to sheet metal or wood.		
Specifications:	 Meets AST 		on steel manufacturing odeposited zinc coatings osion resistance		
Features:	• 22º point p	pierces light gauge	rew for light to medium gauge applications metal es 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)

NW808_NW832_Rev. A (8/27/19)





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 lig	aches 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 RP speed recommended. Do not over torque as it can cause the head to snap or stripping of the threads. Installed fasteners m a minimum of three full threads beyond the metal structure.							

¹(American Society of Testing Materials)

NU808_Rev. A (9/12/19)





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 ligh	t gauge sheet meta	al to sheet metal.				
Specifications:	 Meets AST 	M ¹ A 510 for carb	on steel manufacturing				
	Meets ASTM B 633 for electrodeposited zinc coatings						
	 Meets AST 	M F1941 for corro	osion 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 t	orque as it can cau	use the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three				
	full threads b	eyond the metal st	tructure.				

¹(American Society of Testing Materials)

NU1012H_Rev. A (7/30/18)



STRONG-POINT[®] Get the Point. Strong-Point.

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 ASTM ¹ 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 scre	w 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)



STRONG-POINT[®] Get the Point. Strong-Point.

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 o	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)

108PCC_112PCC_Rev. A (9/29/22)





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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
8-18 x 3/4	4H812	2	5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
8-18 x 1	4H816	2	4M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
Application:	Attaches me Drill Capacit						
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

Fast	ener				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)

4H808_4H816_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed				
Application:	Attaches met Drill Capacit							
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 Value	es (Avg. Lbs.))					
Faste	ener	Steel Gauge									
Size	Pt.	22	20	18	16	14	12	1/8	3/16		
10-16	2	267	360	534	763	1005	1606				
				Shear Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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.

²(Fastener Inspection Products)

4H1008_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: SD410H1012BS

$\mathsf{STRONG}\operatorname{POINT}^{\otimes}$ 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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed					
10-16 x 1	4H1016	3	3M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed					
10-16 x 1-1/4	4H1020	3	2.5M 410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed						
10-16 x 1-1/2	4H1024	3	2M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed					
10-16 x 2	4H1032	3	1.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed					
Application:	Attaches met Drill Capacit		-						
Specifications:	• Meets F.I.F	P.²-1000.7		ional specifications ngth and drill speed ce					
Installation:	Do not over	torque as i		exket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Even to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three					

				Pullout Value	es (Avg. Lbs.)					
Faste	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 Value	s (Avg. Lbs.)					
Faste	ener				Steel Gaug	e (Lapped)				
Size	Pt.	22	22 20 18 16 14 12 1/8							
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)

4H1012_4H1032_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: SD410H1212BS

$\mathsf{STRONG}\operatorname{POINT}^{\otimes}$ 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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1	4H1216	3	3M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1-1/4	4H1220	3	3M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 1-1/2	4H1224	3	2.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 2	4H1232	3	2M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
12-14 x 2-1/2	4H1240	3	1M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
Application:	Attaches met Drill Capacit			
Specifications:	• Meets F.I.F	P.²-1000.7		ional specifications ngth and drill speed re
Installation:				ket with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommend ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of thre

full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.)						
Faste	ener		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 Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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)

4H1212_4H1240_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: SD410H1412BS

$\mathsf{STRONG}\operatorname{POINT}^{\otimes}$ 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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1	4H1416	3	2.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1-1/4	4H1420	3	2M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 1-1/2	4H1424	3	1.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
14-14 x 2	4H1432	3	1M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed
Application:	Attaches met Drill Capacit		-	
Specifications:	• Meets F.I.F	P.²-1000.7		ional specifications ngth and drill speed ce
Installation:	Do not over	torque as i		t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)					
Fast	ener		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 (Avç	. Lbs.)					
Faste	ener				Stee	Gauge (La	pped)				
Size	Pt.	22	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)

4H1412_4H1432_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: SD410H1440BS

$\mathsf{STRONG}\operatorname{POINT}^{\otimes}$ 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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
14-14 x 3	4H1448	3	.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
14-14 x 4	4H1464	11464 3 .5M 410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed					
14-14 x 5	4H1480	3	.25M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
14-14 x 6	4H1496	3	.25M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
Application:	Attaches met Drill Capacit						
Specifications:	• Meets F.I.F	P.²-1000.7		ional specifications ngth and drill speed ce			
Installation:	A 3/8" hex n	ut setter or	3/8" drive socke	t with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended.			
	Do not over	torque as i	t can cause the he	ead to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three			
	full threads b	beyond the	metal structure.				

				Pullout	Values (Av	g. Lbs.)					
Fast	ener		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	j. Lbs.)					
Fast	ener				Stee	l Gauge (La	pped)				
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)

4H1440_4H1496_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 #12HE) 4H1	1	2.5M	410 Stainlesss Steel Unslotted Indented Hex Washer #12 Head, Passivated & Waxed
Application:	Attaches metal to Drill Capacity (in.		. 0	
Specifications:	 Manufactured t Meets F.I.P.²-10 Medium degree 	000.7 for to	orsional strength a	
Installation:		ie as it can	cause the head to	vith torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)					
Fast	ener		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.)					
Fast	ener				Stee	Gauge (La	pped)				
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4	
14-14	1		905	1401	2040	2509	2573	2738	ĺ		

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.

²(Fastener Inspection Products)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
12-24 x 1-1/2	4H52	5	2M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
12-24 x 2	4H53	5	1.5M	410 Stainlesss Steel Unslotted Indented Hex Washer Head, Passivated & Waxed			
Application:	Attaches me Drill Capaci						
Specifications:	• Meets F.I.	P. ² -1000.7		ional specifications ngth and drill speed re			
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 (Av	g. Lbs.)					
Faste	ener		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	j. Lbs.)					
Faste	ener				Stee	l Gauge (La	pped)				
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)

4H5_4H53_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 meta Drill Capacity	i to motan	100				
Specifications:	• Meets F.I.P. ²	²-1000.7 fc		onal specifications gth and drill speed			
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 Value	es (Avg. Lbs.)				
Fast	ener		Steel Gauge							
Size	Pt.	22	20	18	16	14	12	1/8	3/16	
8-18	2	260	292	479	685	933	1533			
				Shear Value	s (Avg. Lbs.)					
Fast	ener					je (Lapped)				
Size	Pt.	22	20	18	16	14	12	1/8	3/16	
				-		14	12	1/0	3/10	
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)

4HA808_4HA816_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Drill Capacity		176					
Specifications:	• Meets F.I.P. ²	 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:		rque as it	can cause the hea	et with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. In to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three				

				Pullout Value	es (Avg. Lbs.)					
Fast	ener		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 Value	es (Avg. Lbs.)						
Fast	ener				Steel Gaug	e (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)

4HA1012_4HA1032_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Drill Capacity		210	
Specifications:	• Meets F.I.P. ²	-1000.7 f		nal specifications ith and drill speed
Installation:				et with torque limiting nose piece set at a maximum of 2000 RPM drive speed recommended. Id to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

full threads beyond the metal structure.

				Pullout Value	es (Avg. Lbs.))					
Faste	ener		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 Value	s (Avg. Lbs.)						
Faste	ener				Steel Gaug	e (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)

4HA1212_4HA1240_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Drill Capacity		220	
Specifications:	• Meets F.I.P. ²	2-1000.7 f		nal specifications jth and drill speed
Installation:	Do not over to	rque as it		with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. Id to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)					
Fast	ener		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 (Avį	ı. Lbs.)					
Fast	ener				Stee	l Gauge (La	pped)				
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)

4HA1412_4HA1432_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 meta Drill Capacity		220	
Specifications:	• Meets F.I.P.2	² -1000.7 f		onal specifications gth and drill speed
Installation:	Do not over to	rque as it		with torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended. ad to snap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	Values (Av	g. Lbs.)						
Fast	ener		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.)						
Fast	ener				Stee	Gauge (La	oped)					
Size	Pt.	22	20	18	16	14	12	1/8	3/16	1/4		
14-14	3		905	1401	2040	2509	2573	2738		Ì		

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)

4HA1440_4HA1480_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 I				Unslotted Indented Hex Washer #12 Head, Passivated & Waxed w/Bonded NEO-EPDM Washer
Application:	Attaches metal to met		0	
Specifications:	 Manufactured to \$ Meets F.I.P.²-1000 Medium degree of).7 for torsi	onal strength and	
Installation:		as it can ca	use the head to sr	torque limiting nose piece set at a maximum of 1750 RPM drive speed recommended nap or stripping of the threads. Installed fasteners must penetrate a minimum of three

				Pullout	t Values (Av	g. Lbs.)					
Fast	ener	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 (Avį	j. Lbs.)					
Fast	ener				Stee	l Gauge (La	pped)				
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)

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Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 met Drill Capacit							
Specifications:	• Meets F.I.I	P.²-1000.7		onal specifications ngth and drill speed e				
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 recomm Do not over torque as it can cause the head to snap or stripping of the threads. Installed fasteners must penetrate a minimum of full threads beyond the metal structure.							

				Pullout	Values (Av	g. 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	ı. Lbs.)						
Faste	ener				Stee	Gauge (La	pped)					
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.

² (Fastener I	Inspection	Products)
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4HA5_4HA53_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT® Get the Point. Strong-Point.

Submittal: SD410P0606BS

STRONG-POINT[®] 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description	n							
6-20 x 3/8	4P63	2	20M	410 Stainles	ss Steel Phillip	s Pan Head, P	assivated & Wa>	ked				
6-20 x 1/2	4P64	2	15M	410 Stainles	ss Steel Phillip	s Pan Head, P	assivated & Wa>	ked				
pplication:	Attaches me	etal to metal.										
	Drill Capacity (in.): .035090											
pecifications:	Manufact	ured to SAE ¹	J78 for dimensi	onal specificatio	ons							
	Meets F.I.	P.²-1000.7 fo	r torsional stren	gth and drill sp	eed							
	Medium	degree of corr	osion resistance	Э								
nstallation:	Phillips driv	ve bit. Do not	h torque limiting over torque as it	t can cause the	head to snap or							
nstallation:	Phillips driv	ve bit. Do not		t can cause the e metal structure	head to snap or	stripping of th						
	Phillips driv	ve bit. Do not	over torque as i	t can cause the e metal structure	head to snap or e. es (Avg. Lbs.	stripping of th						
	Phillips driv minimum of	ve bit. Do not	over torque as i	t can cause the e metal structure	head to snap or e. es (Avg. Lbs.	stripping of th						
Fast	Phillips driv minimum of tener	re bit. Do not f three full thr	over torque as it	t can cause the metal structure Pullout Valu	head to snap or e. es (Avg. Lbs. Steel	stripping of th 	e recess. Instal	led fasteners m	ust penetrate			
Fast Size	Phillips driv minimum of tener Pt.	re bit. Do not f three full thr 22	over torque as it eads beyond the 20	t can cause the metal structure Pullout Value 18 462	head to snap or e. es (Avg. Lbs. Steel 16	stripping of th Gauge 14 855	e recess. Install	led fasteners m	ust penetrate			
Fast Size 6-20	Phillips driv minimum of tener Pt.	re bit. Do not f three full thr 22	over torque as it eads beyond the 20	t can cause the metal structure Pullout Value 18 462	head to snap or es (Avg. Lbs. Steel 16 571 es (Avg. Lbs.)	stripping of th Gauge 14 855	e recess. Install	led fasteners m	ust penetrate			
Fast Size 6-20	Phillips driv minimum of tener Pt. 2	re bit. Do not f three full thr 22	over torque as it eads beyond the 20	t can cause the metal structure Pullout Value 18 462	head to snap or es (Avg. Lbs. Steel 16 571 es (Avg. Lbs.)	stripping of th Gauge 14 855	e recess. Install	led fasteners m	ust penetrate			

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)

4P63_4P64_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

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 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
8-18 x 5/8	4P85	2	8M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
8-18 x 3/4	4P86	2	7M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
8-18 x 1	4P88	2	6M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
Application:	Attaches me Drill Capaci		-	
Specifications:	• Meets F.I.	P. ² -1000.7		onal specifications ngth and drill speed e
Installation:	Phillips driv	e bit. Do n		g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8 3										
8-18	2	260	292	479	685	933	1533						
				Shear Value	es (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (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)

4P84_4P88_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT Get the Point. Strong-Point.

Submittal: SD410P0820BS

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STRONG-POINT[®] 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description	ı				
8-18 x 1-1/4	4P810	2	5M	410 Stainles	ss Steel Phillip	s Pan Head, Pa	ssivated & Wa	ked	
8-18 x 1-1/2	4P812	2	4M	410 Stainles	ss Steel Phillip	s Pan Head, Pa	ssivated & Wa	ked	
Application:	Attaches me	tal to metal.							
	Drill Capaci	ty (in.): .035	100						
Specifications:	 Manufaction 	ured to SAE ¹	J78 for dimensio	onal specificatio	ons				
	• Meets F.I.	P.²-1000.7 fo	r torsional stren	gth and drill spe	eed				
	Medium	degree of cori	osion resistance	9					
nstallation:	Phillips driv	e bit. Do not	h torque limiting over torque as il	t can cause the I	head to snap or				
nstallation:	Phillips driv	e bit. Do not		t can cause the I	head to snap or e.	stripping of th			
	Phillips driv	e bit. Do not	over torque as it	t can cause the f	head to snap or e.	stripping of th			
	Phillips driv minimum of	e bit. Do not	over torque as it	t can cause the f	nead to snap or e. es (Avg. Lbs.)	stripping of th			
Fast	Phillips driv minimum of	e bit. Do not	over torque as it eads beyond the	t can cause the l e metal structure Pullout Value	nead to snap or e. es (Avg. Lbs.) Steel	stripping of th	e recess. Instal	led fasteners m	ust penetrate
Fast Size	Phillips driv minimum of tener Pt.	e bit. Do not three full thr 22	over torque as it eads beyond the 20	t can cause the here metal structure Pullout Value 18 479	nead to snap or e. es (Avg. Lbs.) Steel 16	stripping of th Gauge 14	e recess. Instal	led fasteners m	ust penetrate
Fast Size 8-18	Phillips driv minimum of tener Pt.	e bit. Do not three full thr 22	over torque as it eads beyond the 20	t can cause the here metal structure Pullout Value 18 479	nead to snap or e. es (Avg. Lbs.) Steel 16 685 s (Avg. Lbs.)	stripping of th Gauge 14	e recess. Instal	led fasteners m	ust penetrate
Fast Size 8-18	Phillips driv minimum of tener Pt. 2	e bit. Do not three full thr 22	over torque as it eads beyond the 20	t can cause the here metal structure Pullout Value 18 479	nead to snap or e. es (Avg. Lbs.) Steel 16 685 s (Avg. Lbs.)	stripping of th Gauge 14 933	e recess. Instal	led fasteners m	ust penetrate

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)

4P810_4P812_Rev. A (7/7/15)



STRONG-POINT[®] Get the Point. Strong-Point.

Submittal: SD410P1008BS

STRONG-POINT[®] 410 STAINLESS STEEL PHILLIPS PAN HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description	n				
10-16 x 1/2	4P104	2	8M	410 Stainles	ss Steel Phillip	os Pan Head, Pa	assivated & Wa	xed	
Application:	Attaches me Drill Capaci		110						
Specifications:	• Meets F.I.	P.²-1000.7 fc	J78 for dimension or torsional stren rosion resistance	gth and drill spe					
Installation:	Phillips driv	e bit. Do not	th torque limiting over torque as it reads beyond the	t can cause the f	head to snap o		·		
Installation:	Phillips driv	e bit. Do not	over torque as i	t can cause the f	head to snap of e.	r stripping of th	·		
	Phillips driv	e bit. Do not	over torque as i	t can cause the f	head to snap o e. es (Avg. Lbs.	r stripping of th	·		
	Phillips driv minimum of	e bit. Do not	over torque as i	t can cause the f	head to snap o e. es (Avg. Lbs.	r stripping of th	·		

				Shear Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (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)
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STRONG-POINT[®] Get the Point. Strong-Point.

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 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
10-16 x 1	4P108	3	4M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
10-16 x 1-1/2	4P110	3	3M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
10-16 x 2	4P116	3	2M	410 Stainlesss Steel Phillips Pan Head, Passivated & Waxed
Application:	Attaches me Drill Capacit		-	
Specifications:	• Meets F.I.I	P.²-1000.7		ional specifications ngth and drill speed ce
Installation:	Phillips driv	e bit. Do n		ig nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e 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 Value	s (Avg. Lbs.)					
Fast	ener				Steel Gaug	e (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)

4P106_4P116_Rev. A (7/7/15)

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STRONG-POINT® Get the Point. Strong-Point.

Submittal: SD410F0612BS

STRONG-POINT[®] 410 STAINLESS STEEL PHILLIPS FLAT HEAD, PASSIVATED & WAXED

Size	Part#	Pt.	Case Qty.	Description	n				
6-20 x 3/4	4F63	2	10M	410 Stainles	ss Steel Phillip	s Flat Head, Pa	assivated & Wa>	ked	
6-20 x 1	4F64	2	8M	410 Stainles	ss Steel Phillip	s Flat Head, Pa	assivated & Wax	ked	
pplication:	Attaches me	tal to metal.							
	Drill Capacit	ty (in.): .035	090						
Specifications:	 Manufactu 	ured to SAE ¹	J78 for dimensi	onal specificatio	ons				
	• Meets F.I.	P.²-1000.7 fo	r torsional stren	gth and drill sp	eed				
	Medium c	degree of cori	osion resistance	9					
nstallation:	Phillips driv	e bit. Do not	h torque limiting over torque as il	t can cause the	head to snap or				
nstallation:	Phillips driv	e bit. Do not		t can cause the e metal structure	head to snap or	stripping of th			
	Phillips driv	e bit. Do not	over torque as it	t can cause the e metal structure	head to snap or e. es (Avg. Lbs.	stripping of th			
	Phillips driv minimum of	e bit. Do not	over torque as it	t can cause the e metal structure	head to snap or e. es (Avg. Lbs.	stripping of th			
Fast	Phillips driv minimum of	e bit. Do not three full thr	over torque as it eads beyond the	e metal structure	head to snap or e. es (Avg. Lbs. Steel	stripping of th) Gauge	e recess. Instal	led fasteners m	ust penetrate
Fast Size	Phillips driv minimum of tener Pt.	e bit. Do not three full thr 22	over torque as it eads beyond the 20	Pullout Value 18 462	head to snap or e. es (Avg. Lbs. Steel 16	stripping of th) Gauge 14 855	ne recess. Instal	led fasteners m	ust penetrate
Fast Size 6-20	Phillips driv minimum of tener Pt.	e bit. Do not three full thr 22	over torque as it eads beyond the 20	Pullout Value 18 462	head to snap or e. es (Avg. Lbs. Steel 16 571 es (Avg. Lbs.)	stripping of th) Gauge 14 855	ne recess. Instal	led fasteners m	ust penetrate
Fast Size 6-20	Phillips driv minimum of tener Pt. 2	e bit. Do not three full thr 22	over torque as it eads beyond the 20	Pullout Value 18 462	head to snap or e. es (Avg. Lbs. Steel 16 571 es (Avg. Lbs.)	stripping of th Gauge 14 855	ne recess. Instal	led fasteners m	ust penetrate

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)

4F63_4F64_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

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 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
8-18 x 1	4F84	2	6M	410 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
8-18 x 1-1/2	4F86	2	4M	410 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
Application:	Attaches me Drill Capacit			
Specifications:	• Meets F.I.	P. ² -1000.7 1		onal specifications ngth and drill speed e
Installation:	Phillips driv	e bit. Do no	•	g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.

				Pullout Valu	es (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 Value	s (Avg. Lbs.)				
Fast	ener				,				
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)

4F83_4F86_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

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 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
10-16 x 1	4F104	3	4M	410 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
10-16 x 1-1/2	4F106	3	2.5M	410 Stainlesss Steel Phillips Flat Head, Passivated & Waxed
pplication:	Attaches me Drill Capacit		-	
pecifications:	• Meets F.I.	P.²-1000.7		onal specifications ngth and drill speed e
nstallation:	Phillips driv	e bit. Do n		g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.

	Pullout Values (Avg. Lbs.)												
Fastener Steel Gauge													
Size	Pt.	22	22 20 18 16 14 12 1/8										
10-16	3	261	293	487	690	941	1432	2017					
				Shear Value	s (Avg. Lbs.)								
Fast	ener				Steel Gaug	e (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)

4F103_4F106_Rev. A (7/7/15)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 3/4	4M83	2	5M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 1	4M84	2	4M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 1-1/4	4M85	2	3M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 1-5/8	4M87	2	3M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 1-7/8	4M88	2	2M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 2-1/2	4M92	2	1.5M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
8-18 x 3	4M95	2	1.5M	410 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
Application:	Attaches me Drill Capacit									
Specifications:	• Meets F.I.I	P.²-1000.7	for torsional stren	ional specifications ngth and drill speed re						
nstallation:	Phillips driv	 Medium degree of corrosion resistance 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	22 20 18 16 14 12 1/8									
8-18	2	260	292	479	685	933	1533					
		-		Shear Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	e (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)

4M82_4M95_Rev. A (5/2/19)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Stainlesss Steel Phillips Modified Truss (R/W) Head, Passivated & Waxed						
Application:	Attaches me Drill Capacit									
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:	Phillips driv	e bit. Do n	ot over torque as i	ng nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced it can cause the head to snap or stripping of the recess. Installed fasteners must penetrate a e metal structure.						
				Pullout Values (Avg. Lbs.)						

		Pullout Values (Avg. Lbs.)												
Fast	ener	Steel Gauge												
Size	Pt.	22	22 20 18 16 14 12 1/8 3/											
10-16	3	261	293	487	690	941	1432	2017						
				Shear Value	s (Avg. Lbs.)									
Fast	ener				Steel Gaug	e (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)

4M106_Rev. A (5/2/19)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



Submittal: SD410PC1016C



4PC8_Rev. A (4/27/18)

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 par	nel clips to	metal studs.								
	Drill Capaci	ty (in.): .03	5176								
Specifications:	 Meets AS 	5TM ¹ C 151	3 for cold-formed	steel framing connections							
	Manufactured to SAE ² J78 for dimensional specifications										
	Meets F.I.P. ³ -1000.7 for torsional strength and drill speed										
	 Rust/Acid 	I Rain Prote	ection								
	 ACQ Corr 	npatible									
	• Exceeds 1	1,000/hrs. :	salt spray resistan	Ce							
Installation:	A standard s	screw gun v	with torque limitin	ig nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 Square							
	drive bit, #2	Phillips di	rive bit, or combo	bit. Do not over torque as it can cause the head to snap or stripping of the recess. Installed							
	fasteners m	ust penetra	te a minimum of t	hree 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 Value	es (Avg. Lbs.)							
Faste	ener				Steel Gaug	e (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)

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STRONG-POINT Get the Point. Strong-Point.

4RT212_Rev. A (5/4/18)

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 w Drill Capac		netal. : .110375		
Specifications:	 Manuface Meets F. Rust/Ace ACQ Co 	ctured to I.P. ³ -100 id Rain F mpatible	SAE ² J78 for c 00.7 for torsion Protection	formed steel framing conne imensional specifications al strength and drill speed esistance	ections SSTRONG Rust/Acid Rain Protection - ACO Compatible
Features:				posites, floor board, deck l enting "jacking action"	board, and more to steel
Installation:	bit. Do not	over tor		ause the head to snap or st	a maximum of 2000 RPM drive speed recommended. Use a T-30 Star drive ripping of the recess. Installed fasteners must penetrate a minimum of three

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
			Shea	r Values (Avg.	Lbs.)			
Fast	ener							
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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
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STRONG-POINT Get the Point, Strong-Point,

Submittal: SD410RF1444C



STRONG-POINT[®] 410 STAINLESS STEEL STAR DRIVE FLAT HEAD REAMER w/WINGS, STRONG-SHIELD COATED

Part#	Pt.	Case Qty.	Wood Attach. Range	Description					
4RT234	4	.8M	1/2" - 1-3/4"	410 Stainless Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated					
4RT314	4	.5M	3/4" - 2-1/4"	410 Stainless Star Drive Flat Head Reamer w/Wings, Strong-Shield Coated					
Attaches w	ood to n	netal.							
Drill Capac	city (in.):	.110375							
Meets A	STM ¹ C	1513 for cold-	formed steel framing conne	ections					
 Manufac 	tured to	SAE ² J78 for c	limensional specifications	SHIELD					
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									
• Used for	attachir	ig lumber, com	posites, floor board, deck l	board, and more to steel					
• Wings re	eam hole	e in wood preve	enting "jacking action"						
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.									
	4RT234 4RT314 Attaches w Drill Capace • Meets A • Manuface • Meets F. • Rust/Aci • ACQ Co • Exceeds • Used for • Wings re A standard bit. Do not	4RT234 4 4RT314 4 Attaches wood to m Drill Capacity (in.): • Meets ASTM1 C • Meets ASTM1 C • Manufactured to • Meets F.I.P. ³ -100 • Rust/Acid Rain F • ACQ Compatible • Exceeds 1,000/h • Used for attachin • Wings ream hole A standard screw g bit. Do not over tor	4RT234 4 .8M 4RT314 4 .5M Attaches wood to metal. Drill Capacity (in.): .110375 Orill Capacity (in.): .110375 • Meets ASTM ¹ C 1513 for cold- • Manufactured to SAE ² J78 for cold- • Meets F.I.P. ³ -1000.7 for torsion • Rust/Acid Rain Protection • ACQ Compatible • Exceeds 1,000/hrs. salt spray reference • Wings ream hole in wood prevention • Astandard screw gun with torque bit. Do not over torque as it can cold	4RT234 4 .8M 1/2" - 1-3/4" 4RT314 4 .5M 3/4" - 2-1/4" Attaches wood to metal. Drill Capacity (in.): .110375 .375 • Meets ASTM ¹ C 1513 for cold-formed steel framing connection .8E • Manufactured to SAE ² J78 for dimensional specifications .98 • Meets F.I.P. ³ -1000.7 for torsional strength and drill speed .98 • Rust/Acid Rain Protection .98 • ACQ Compatible .98 • Exceeds 1,000/hrs. salt spray resistance • Wings ream hole in wood preventing "jacking action" A standard screw gun with torque limiting nose piece set at a bit. Do not over torque as it can cause the head to snap or st					

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
			Shea	r Values (Avg.	Lbs.)			
Fast	ener							
Size	Pt.	18	16	14	12	1/8	3/16	1/4
1/4-20	4			2509	2573	2738		ĺ

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)

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4RT234_4RT314_Rev. A (5/4/18)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



STRONG-POINT[®] Get the Point. Strong-Point.

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 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 1	X88MSS	4M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 1-1/4	X89MSS	3M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 1-5/8	X90MSS	3M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 1-7/8	X92MSS	2M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 2-1/2	X95MSS	1.5M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
8-18 x 3	X97MSS	1.5M	305 Stainlesss Steel Phillips Modified Truss (R/W) Head, Type '17'			
Application:		d or light gauge m e sheet metal screv	netal to wood. w 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 pane	l clips to wood stu	ds.					
Features:	 Multipurpos 	se sheet metal scre	ew 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)



STRONG-POINT[®] Get the Point. Strong-Point.

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:	• For non-m	ncing, decks, patic nagnetic fastener aj ee of corrosion res	pplications like MRI and radiology construction			
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:			ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-20 Star 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 so	rew gun with torq	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star 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 Attaches woo	d screws for outdo d to wood.	or applications.
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:		0 1	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star 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 # 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 ASTM ¹ A 510 for carbon steel manufacturing				
	 Product meets ASTM B-117 for salt spray corrosion testing 				
Features:	• 24/hr. salt	spray resistance			
	• Used in lo	w corrosion applic	ations		
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)

606CY_624CY_Rev. A (8/28/17)





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 resistanceUsed in low corrosion applications				
Coating:	The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.				
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.		

720CY_Rev. A (8/28/17)





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 resistanceUsed in low corrosion applications			
Coating:	The Zinc Yellow coating prevents the oxidation of steel by forming a protective barrier.			
Installation:	Phillips driv	ve bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.	

¹(American Society of Testing Materials)

822CY_830CY_Rev. A (8/28/17)





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 resistanceUsed 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)

1031SY_1060SY_Rev. A (8/28/17)



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)

614QCY_620QCY_Rev. A (8/28/17)



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-purpos	se screw for interio	r or outdoor applications.		
	Attaches gyp	sum board or wood	d to wood.		
Specifications:	Meets AS	TM ¹ A 510 for carbo	on 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 s	crew gun with torqu	ue 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.				

822QCY_830QCY_Rev. A (8/28/17)



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:		ng exceeds 1,000/ to work with ACQ t	hr. salt spray resistance reated lumber			
Coating:			de metal surface processing technology that prevents fastener corrosion. The system consists of three assivation, and a high-grade anti-corrosion chemical conversion film.			
Installation:	Phillips drive	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.			

¹(American Society of Testing Materials)

614CW_620CW_Rev. A (4/26/23)



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 woo Attaches woo	d screws for outdoo od to wood.	or applications.
Specifications:	 Meets AST 	TM C 1002 for attac	on steel manufacturing ching gypsum board to wood or steel studs for salt spray corrosion testing
Features:		ng exceeds 1,000/ to work with ACQ t	hr. salt spray resistance reated lumber
Coating:			de metal surface processing technology that prevents fastener corrosion. The system consists of three assivation, and a high-grade anti-corrosion chemical conversion film.
Installation:	Phillips drive	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.

¹(American Society of Testing Materials)

822CW_830CW_Rev. A (1/26/22)



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 Attaches woo	d screws for outdo d to wood.	or applications.	
Specifications:			on steel manufacturing for salt spray corrosion testing	
Features:	Designed tSquare drive	o work with ACQ t ve prevents cam of		Corrosion Protection - ACQ Compatible
Coating:			le metal surface processing technology that prevents fastener corrosic assivation, and a high-grade anti-corrosion chemical conversion film.	-
Installation:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed rec completely installed when the fastener head is seated flush with the v o or damage to the work surface.	

¹(American Society of Testing Materials)

XQ615W_XQ620W_Rev. A (1/26/22)



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 woo Attaches woo	d screws for outdo od to wood.	or applications.	
Specifications:			on steel manufacturing for salt spray corrosion testing	
Features:	DesignedSquare dri	to work with ACQ t ve prevents cam of		Corrosion Protection - ACQ Compatible
Coating:			le metal surface processing technology that prevents fastener corrosion assivation, and a high-grade anti-corrosion chemical conversion film	-
Installation:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed reases completely installed when the fastener head is seated flush with the velocity or damage to the work surface.	

¹(American Society of Testing Materials)

XQ822W_XQ830W_Rev. A (1/26/22)



Submittal: DWSCW1056W



Size	Part#	Case Qty.	Description	Description					
10 X 3-1/2	XQ1031W	1M	Square Drive Bugle Head, Coarse Thread, Type '17', WAR Coated						
Application:	Exterior wood	d screws for outdo	or applications.						
	Attaches woo	d to wood.							
Specifications:	 Meets AST 	M ¹ A 510 for carb	on steel manufacturing						
	 Product m 	eets 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 Corrosion Protection - ACQ Comp								
	 Square dri 	Square drive prevents cam out and stripping							
	 Type '17' re 	educes wood split	ing and eliminates the need for pre-drilling						
Coating:	The WAR coa	ting is a high-gra	de metal surface processing technology that prevents fastener corrosion	. The system consists of three					
	layers: a met	allic zinc layer, a p	assivation, and a high-grade anti-corrosion chemical conversion film.						
Installation:	A standard so	crew gun with torq	ue limiting nose piece set at a maximum of 3000 RPM drive speed reco	mmended. Use a #2 reduced					
	Square drive	bit. The fastener is	s completely installed when the fastener head is seated flush with the wo	ork surface. Do not over torque					
	as it can caus	se the head to sna	o or damage to the work surface.						

¹(American Society of Testing Materials)

XQ1031W_Rev. A (1/26/22)





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 Phillips Bugle Head, Coarse Thread, Dacrotized r applications. n steel manufacturing or salt spray corrosion testing 20/hr. salt spray resistance nersion zinc flake/chromate dispersion coating with medium corrosion protection. e limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced completely installed when the fastener head is seated flush with the work surface. Do not over torqu				
6 x 1-5/8	615CD	5M	Phillips Bugle Head, Coarse Thread, Dacrotized Phillips Bugle Head, Coarse Thread, Dacrotized applications. steel manufacturing salt spray corrosion testing V/hr. salt spray resistance ersion zinc flake/chromate dispersion coating with medium corrosion protection. limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced				
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	Dacrotized coating exceeds 500/hr. salt spray resistance					
Coating:	The Dacrotiz	The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.					
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.				

¹(American Society of Testing Materials)

610CD_624CD_Rev. A (7/9/15)



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 Phillips Bugle Head, Coarse Thread, Dacrotized poplications. teel manufacturing salt spray corrosion testing nr. salt spray resistance sion zinc flake/chromate dispersion coating with medium corrosion protection.					
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	Dacrotized coating exceeds 500/hr. salt spray resistance						
Coating:	The Dacrotiz	The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.						
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.					

822CD_830CD_Rev. A (7/9/15)



INTERCORP �

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 Phillips Bugle Head, Coarse Th				
10 x 4	1040D	.8M	hillips Bugle Head, Coarse Thread, Dacrotized hillips Bugle Head, Co				
10 x 4-1/2	1041D	.5M	hillips Bugle Head, Coarse Thread, Dacrotized hillips Bugle Head, Coarse Thread, Dacrotized plications. eel manufacturing ut spray corrosion testing r. salt spray resistance ion zinc flake/chromate dispersion coating with medium corrosion protection.				
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 	Dacrotized coating exceeds 500/hr. salt spray resistance					
Coating:	The Dacrotiz	The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.					
Installation:	Phillips drive	e bit. The fastener i	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.				

1031D_1060D_Rev. A (7/9/15)



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 woo Attaches woo	d screws for outdoo od to wood.	or applications.			
Specifications:			on steel manufacturing for salt spray corrosion testing			
Features:		l coating exceeds 5 ve prevents cam ou	i00/hr. salt spray resistance ut and stripping			
Coating:	The Dacrotiz	The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.				
Installation:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque to reduce to the work surface.			

¹(American Society of Testing Materials)

620QCD_Rev. A (2/24/16)



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 rapplications. n steel manufacturing r salt spray corrosion testing				
Application:	Exterior woo Attaches woo	d screws for outdoo od to wood.	or applications.				
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 Dacrotiz	The Dacrotized coating is an immersion zinc flake/chromate dispersion coating with medium corrosion protection.					
Installation:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.				

¹(American Society of Testing Materials)

822QCD_830QCD_Rev. A (2/24/16)



Submittal: DSSTLT7WG0820



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 Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow Star Drive Flat Head w/Nibs, Type '17', Zinc Yellow				
8 x 2	XT820Y	3.5M	r Drive Flat Head w/Nibs, Type '17', Zinc Yellow r Drive Flat Head w/Nibs, Type '17', Zinc Yellow r Drive Flat Head w/Nibs, Type '17', Zinc Yellow el manufacturing spray corrosion testing salt spray resistance ipping for improved driveability d eliminates the need for pre-drilling h				
Application:	For interior o	or outdoor applicati	ons.				
	Attaches woo	od to wood.					
Specifications:	Meets ASTM ¹ 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 Yel	low coating preven	ts the oxidation of steel by forming a protective barrier.				
Installation:	A standard s	crew gun with torq	ue 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			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)

XT814Y_XT820Y_Rev. A (12/27/22)



Submittal: DSSTLT7ZY0940



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 Yel	low coating prevent	ts the oxidation of steel by forming a protective barrier.					
Installation:			ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star it can cause the head to snap or damage to the work surface.					
			Pullout Values (Avg. Lbs.)					

	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.

XT922Y_XT930Y_Rev. A (12/27/22)



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:		or outdoor applicati	ONS.					
	Attaches woo	od to wood.						
Specifications:	Meets AST	FM ¹ A 510 for carbo	on steel manufacturing					
	 Product m 	 Product meets ASTM B-117 for salt spray corrosion testing 						
Features:	• Yellow Zin	Yellow Zinc coating exceeds 180/hr. salt spray resistance						
	• .0003 plat	ing thickness						
	• Star Drive	prevents cam out a	and stripping for improved driveability					
	• Type '17' r	educes wood splitt	ing and eliminates the need for pre-drilling					
	• Nibs unde	r head provide flus	h finish					
	• Used in lo	w corrosion applic	ations					
Coating:	The Zinc Yell	low coating preven	ts 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.)					

	Pullout Values (Avg. Lbs.)										
So. Yellow	So. Yellow Pine Douglas Fir		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)

XT1031Y_XT1040Y_Rev. A (12/27/22)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 woo	d screws for outdo	or applications.	
	Attaches woo	od to wood.		
Specifications:	Meets AST	M ¹ A 510 for carb	on steel manufacturing	
	 Product m 	eets ASTM B-117	for salt spray corrosion testing	
Features:	• WAR coati	ng exceeds 1,000/	hr. salt spray resistance	
	• Designed	to work with ACQ t	reated lumber	Corrosion Protection - ACQ Compatible
	• Star Drive	prevents cam out a	nd stripping for improved driveability	
	• Type '17' r	educes wood splitt	ing and eliminates the need for pre-drilling	
	• Nibs unde	r head provide flus	h finish	
Coating:	The WAR coa	ating is a high-grad	le metal surface processing technology that prevents fastener corrosic	on. The system consists of three
	layers: a met	allic zinc layer, a pa	assivation, and a high-grade anti-corrosion chemical conversion film.	
Installation:	A standard s	crew gun with torq	ue limiting nose piece set at a maximum of 3000 RPM drive speed rec	commended. 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)

XT814W_XT820W_Rev. A (12/27/22)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 woo Attaches woo	d screws for outdo od to wood.	or applications.			
Specifications:			on steel manufacturing 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:			de metal surface processing technology that prevents fastener corrosion. The system consists of three assivation, and a high-grade anti-corrosion chemical conversion film.			
Installation:			ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a T-25 Star it can cause the head to snap or damage to the work surface.			
			Pullout Values (Avg. Lbs.)			

	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.

XT922W_XT930W_Rev. A (12/27/22)

Los Angeles New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004 888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 Attaches woo	l screws for outdo d to wood.	or applications.			
Specifications:			on steel manufacturing 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			Fir	Chipboard Plywood		d	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.

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XT1031W_XT1060W_Rev. A (12/27/22)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 ASTM 	steel manufacturing					
	• Rust/Acid Ra	in Protection					
	 ACQ Compation 	ible	Rust/Acid Rain Protection – ACQ Compatible				
	• Exceeds 1,00	00/hrs. salt spray re	esistance				
Features:	• Type '17' red	uces wood splitting	g and eliminates the need for pre-drilling				
	Combo drive prevents cam out and stripping						
	 Superior hold 	ding power					
Installation:	A standard screv	w gun with torque li	miting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 Phillips drive bit,				
	#2 Square bit, o	r combo bit. Do not	t 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)

X109WC_Rev. A (4/19/22)



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	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)

608L_612L_Rev. A (7/9/15)



Submittal: WWPBSPF0812L



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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 torqu as it can cause the head to snap or damage to the work surface.						

¹(American Society of Testing Materials)

812L_816L_Rev. A (7/9/15)



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	24L 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)

820L_832L_Rev. A (7/9/15)



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 torqu as it can cause the head to snap or damage to the work surface.					



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 screw	rs 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.							

812QL_816QL_Rev. A (2/24/16)



Submittal: WWPBSQF0820L

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)

820QL_832QL_Rev. A (2/24/16)



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 screw	s for interior wood	applications.					
	Cabinet work and furniture assembly.							
Specifications:	Meets ASTM ¹ 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.							

940QL_948QL_Rev. A (2/24/16)



Submittal: WWTCSPP0620B

$\mathsf{STRONG}\operatorname{-POINT}^{^{(\!\!\!\!\!\!\!)}}$ 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 ASTM ¹ 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:	Phillips driv	ve bit. The fastener i	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.	



Submittal: WWTCSQP0620B

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 ASTM ¹ 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: WWTCSQP620CB

${\tt STRONG-POINT}^{^{(\!0\!)}} {\tt FACE} {\tt FRAMING} {\tt SQUARE} {\tt DRIVE} {\tt \#7} {\tt PAN} {\tt HEAD}, {\tt COARSE} {\tt THREAD}, {\tt TYPE} `17', {\tt BLACK} {\tt OXIDE}$

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 AS 	TM ¹ A 510 for carbo	on 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 So drive bit, #2 reduced Phillips drive bit, or combo bit. The fastener is completely installed when the fastener head is seated flus 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)

X816RWZ_X848RWZ_Rev. A (9/29/22)





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 ASTM ¹ 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:			ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s 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.				

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 ASTM ¹ 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:	Phillips drive	e bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.

X940NB_X948NB_Rev. A (9/17/19)





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 ASTM ¹ 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:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o 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 a	pplications.		
	Attaches woo	d to wood.			
Specifications:	Meets AST	M ¹ A 510 for carb	on 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 caus	se the head to snap	o or damage to the work surface.		

¹(American Society of Testing Materials)

XQ940NB_XQ948NB_Rev. A (7/17/19)





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 Phillips drive bit. The fastener is completely installed when the fastener head is seated flush with the work surface. Do n 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:	Phillips drive	e bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque or damage to the work surface.

¹(American Society of Testing Materials)

X940NZ_X948NZ_Rev. A (7/17/19)





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:	Square drive	bit. The fastener is	ue limiting nose piece set at a maximum of 3000 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.	

¹(American Society of Testing Materials)

XQ812NZ_XQ832NZ_Rev. A (2/24/16)



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 a	pplications.		
	Attaches woo	od to wood.			
Specifications:	 Meets AST 	M ¹ A 510 for carbo	on steel manufacturing		
	 Meets AST 	M B 633 for electr	odeposited zinc coatings		
	 Meets AST 	M F1941 for corro	osion 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 h 	olding power			
Coating:	The Zinc coating prevents oxidation of steel by forming a protective barrier.				
Installation:	A standard s	crew gun with torq	ue 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 cau	se the head to snap	o 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:		s for interior wood ges to cabinets and	
Specifications:			on steel manufacturing for salt spray corrosion testing
Features:	• Resists m	ical thread pattern aterial slippage dur nolding power	ing pull out and vibration
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.

6100L_Rev. A (7/10/15)



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:		rs for interior wood liges to cabinets and	
Specifications:	Meets AS		on steel manufacturing odeposited zinc coatings osion resistance
Features:	• Resists m	rical thread pattern aterial slippage dur nolding power	ing pull out and vibration
Coating:	The Zinc coa	ating prevents oxida	ation of steel by forming a protective barrier.
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.

¹(American Society of Testing Materials)

6100LZ_Rev. A (7/10/15)



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:		s for interior wood ges to cabinets and	
Specifications:	 Meets AS 		on steel manufacturing odeposited zinc coatings ision resistance
Features:	• Resists m	ical thread pattern aterial slippage dur nolding power	ing pull out and vibration
Coating:	The Zinc coa	ating prevents oxida	ation of steel by forming a protective barrier.
Installation:	Phillips driv	e bit. The fastener i	ue limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced s completely installed when the fastener head is seated flush with the work surface. Do not over torque o or damage to the work surface.

¹(American Society of Testing Materials)

608LZ_612LZ_Rev. A (7/11/15)





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 a Used to draw	assembly. counter-tops togeth	ner.
Specifications:	 Meets AST 		n steel manufacturing deposited zinc coatings sion resistance
Features:	Adjusts witSuperior here	hout special tools olding power	
Coating:	The Zinc coat	ing prevents oxidat	ion of steel by forming a protective barrier.

¹(American Society of Testing Materials)

DRAW_Rev. A (7/11/15)



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 cer Drill Capacit		to metal studs. 5100							
Specifications:	Meets ASManufacto	TM C 954 ured to SAI	for attaching gyps ²² J78 for dimensi	steel framing connections um board to steel studs onal specifications gth and drill speed						
Features:	Ceramic cDesigned	coating pro to work wi	eds 1,000/hr. salt vies protection fro th all backer board np board firmly	m corrosion						
Installation:		Ū		g nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced 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 Valu	es (Avg. Lbs.))			
Fast	ener				Steel	Gauge			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	168	227	398	502	888	1050		
				Shear Value	s (Avg. Lbs.)				
Fast	ener				Steel Gaug	e (Lapped)			
Size	Pt.	22	20	18	16	14	12	1/8	3/16
8-18	2	522	780	937	1025			1	

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690



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 cerr	nent board to woo	d studs.					
Specifications:	• Meets ASTM ¹ A 510 for carbon steel manufacturing							
	 Product m 	eets ASTM B-117	for salt spray corrosion testing					
Features:	 Ruspert co 	ating exceeds 1,0	100/hr. salt spray resistance					
	• Ceramic c	oating provies pro	stection from corrosion					
	Designed to work with all backer boards							
	 Nibs unde 	r head clamp boai	rd firmly					
Installation:	A standard s	crew gun with dep	oth sensitive nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced					
	Phillips drive	e bit. Fastener is p	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)

814CB_824CB_Rev. A (7/11/15)



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 ceme	ent board to woo	d or light gauge metal studs.			
Specifications:	Meets ASTI	M ¹ A 510 for carb	oon steel manufacturing			
	 Product me 	ets ASTM B-117	for salt spray corrosion testing			
Features: • Ruspert coating exceeds 1,000/hr. salt spray resistance						
	• Ceramic co	ating provies pro	tection from corrosion			
	 Designed to 	work with all ba	acker boards			
	• Nibs under	head clamp boai	rd firmly			
Installation:	A standard sc	rew gun with a d	epth sensitive nose piece and a #2 reduced Phillips drive bit set at a maximum of 2500 RPM drive speed			
	recommended	l. Fastener is pro	perly installed when head sits flush with the work surface. Do not countersink screws. Do not over torque			
	as it can caus	e the head to sna	p or damage to the work surface. Installed fasteners must be embedded into wood substrate a minimum			
	of 1/2" or pen	etrate a minimur	n of three full threads beyond the metal structure.			

¹(American Society of Testing Materials)

CB814SPN_CB815SPN_Rev. A (2/24/16)



STRONG-POINT Get the Point. Strong-Point.

Submittal: SDCBSRMR0820GF

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 fibe	er board to	metal studs.								
	Drill Capacit	y (in.): .03	5100								
Specifications:	• Meets ASTM ¹ A 510 for carbon steel manufacturing										
	Meets ASTM C 954 for attaching gypsum board to steel studs										
	 Manufactu 	ired to SAI	² J78 for dimensi	onal specifications							
	Meets F.I.F	P. ³ -1000.7	for torsional stren	igth and drill speed							
Features:	• Ruspert co	pating exce	eds 1,000/hr. salt	spray resistance							
	• Ceramic c	oating pro	vies protection fro	om corrosion							
	• Designed	to work wi	th all backer board	ds							
	 Nibs unde 	r head cla	mp board firmly								
Installation:	A standard s	A standard screw gun with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Use a #2 reduced									
	Phillips Driv	e bit. Do n	ot 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.)												
Fast	ener				Steel	Gauge						
Size	Pt.	22	20	18	16	14	12	1/8	3/16			
8-18	2	168	227	398	502	888	1050					
		_		Shear Value	s (Avg. Lbs.)							
Fast	ener				Steel Gaug	je (Lapped)						
Size	Pt.	22	20	18	16	14	12	1/8	3/16			
8-18	2	522	780	937	1025	ĺ						

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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	ЗM	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:			or carbon steel manufacturing B-117 for salt spray corrosion testing
Features:	DesignNotche	ed to work with d threads for c	eds 500/hr. salt spray resistance h ACQ treated lumber utting into concrete, brick and cement block n for cutting and clearing debris during installation
Installation:	requirem setter with head to s	ents of the con h hammer moc nap or strippin	asonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment crete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 1/4" nut le turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the g of the recess.

	Allowable	Load Capacities	Structural Pro	Spacing			
Substrate: Concrete			3,00	O 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)

CH320_CH328_Rev. A (6/29/21)

Los Angeles N	lew York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004 8	88.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 F	Point, Ceramic Coating
3/16 x 2-3/4	CH344	2M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond F	Point, Ceramic Coating
Application:	Attaches	wood or metal	to concrete, brick, cement block or masonry.	
Specifications:	Produce	t meets ASTM	or carbon steel manufacturing B-117 for salt spray corrosion testing roduct control approved. NOA-15-0930.14	
Features:	DesignNotche	ed to work with d threads for c	eds 500/hr. salt spray resistance ACQ treated lumber utting into concrete, brick and cement block n for cutting and clearing debris during installation	
Installation:	requirem setter wit head to s	ents of the con h hammer moc nap or strippin	sonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper crete screw to be installed*. Clean the dust from the hole using compressed e turned OFF or a standard rotary drill to install fastener until seated. Do no g of the recess. Illow Block CMU drill through the full thickness of face wall.	d air or hand pump. Use a 1/4" nut

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 1-3/4" 3-1/2" 125 155 70 52 3" 3/16 Substrate: Grout Filled Masonry Block 4,900 PSI Size Shear Fu Fy Min. Embed Min. Edge Dist. Tension 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)

CH336_CH344_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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, Cerami	c Coating
3/16 x 3-3/4	CH360	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Cerami	c Coating
3/16 x 4	CH364	1M	Slotted Indented Hex Washer Head, Hi-Low, Notched Threads, Diamond Point, Cerami	c Coating
Application:	Attaches	wood or metal	to concrete, brick, cement block or masonry.	
Specifications:	Produce	t meets ASTM		IAMI-DADE
Features:	DesignNotche	ed to work with d threads for c	eeds 500/hr. salt spray resistance th ACQ treated lumber cutting into concrete, brick and cement block on for cutting and clearing debris during installation	
Installation:	requirem setter wit	ents of the con h hammer moc	hasonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the min increte screw to be installed*. Clean the dust from the hole using compressed air or hand p de turned OFF or a standard rotary drill to install fastener until seated. Do not over torque ing of the recess.	oump. Use a 1/4" nut

*When installing into Hollow Block CMU drill through the full thickness of face wall.

	Allowable	Load Capacities	(Avg. Lbs.)		Structural Pr	operties (ksi)	Spacing
	Substrate: Concrete			O 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			2,30	O 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 Ma	sonry Block	4,90	O 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)

CH352_CH364_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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	ASTM ¹ A 510 f	or 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 ma	asonry 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 t	to snap or strip	pping of the recess.					
	*When in	stalling into He	ollow Block CMU drill through the full thickness of face wall.					

	Allowable	Load Capacities	Structural Pro	Spacing			
Substrate: Concrete			3,00	O 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)

CH420_CH428_Rev. A (6/29/21)

Los Angeles Ne	w York Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004 888	8.322.2262 800.533.9	669 800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





Submittal: CSHWH436BC

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

Size	Part#	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	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:	DesignNotche	ed to work wit d threads for c	eeds 500/hr. salt spray resistance th ACQ treated lumber cutting into concrete, brick and cement block on for cutting and clearing debris during installation						
Installation:	requirem nut setter the head	ents of the con with hammer to snap or strij	hasonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment increte screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 5/16' mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause pping of the recess.						

*When installing into Hollow Block CMU drill through the full thickness of face wall.

	Allowable	Load Capacities	Structural Pro	operties (ksi)	Spacing		
2	Substrate: Concrete			O 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			2,30	O 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 Ma	sonry Block	4,90	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	of Testing	Materials)

CH436_CH444_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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	ASTM ¹ A 510 f	for carbon steel manufacturing					
	 Produce 	t meets ASTM	B-117 for salt spray corrosion testing MIAMI-DADE					
	Miami-Dade County product control approved. NOA-15-0930.14							
Features:	Ceramic coating exceeds 500/hr. salt spray resistance							
	 Design 	ed to work with	n ACQ treated lumber					
	 Notche 	ed threads for c	utting into concrete, brick and cement block					
	• Diamo	nd Point desigi	n for cutting and clearing debris during installation					
Installation:	Using a 3	3/16 carbide ma	asonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment					
	requirem	ents of the con	crete screw to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a 5/16"					
			mode turned OFF or a standard rotary drill to install fastener until seated. Do not over torque as it can cause					
			pping of the recess.					
	whield it	ISIAIIIIIY IIIIO HO	ollow Block CMU drill through the full thickness of face wall.					

	Allowable	Load Capacities	Structural Pro	operties (ksi)	Spacing		
ę	Substrate: Concrete			0 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			2,30	O 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			4,90	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)

CH452_CH496_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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	CF328 4M Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coating								
Application:	Attaches	Attaches wood or metal to concrete, brick, cement block or masonry.								
Specifications:	Meets	ASTM ¹ A 510 1	for carbon steel manufacturing							
	 Produce 	t 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 										
	 Notche 	d threads for c	cutting into concrete, brick and cement block							
	Diamond Point design for cutting and clearing debris during installation									
Installation:	Using a 5	5/32 carbide m	asonry 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.									
	*14/1		Iollow Block CMU drill through the full thickness of face wall.							

	Allowable I	Load Capacities	Structural Pr	operties (ksi)	Spacing		
S	Substrate: Concrete 3,000 PSI		O 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.

CF320_CF328_Rev. A (6/29/21)





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:	Produce	t meets ASTM	or carbon steel manufacturing B-117 for salt spray corrosion testing product control approved. NOA-15-0930.14	MIAMI-DADE COUNTY					
Features:	DesigrNotche	ed to work with d threads for c	eds 500/hr. salt spray resistance ACQ treated lumber utting into concrete, brick and cement block n for cutting and clearing debris during installation						
Installation:	requirem Phillips t	ents of the cor	asonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper thar crete screw to be installed*. Clean the dust from the hole using compressed air c r mode turned OFF or a standard rotary drill to install fastener until seated. Do no	or hand pump. Use a #2					

cause the head to snap or stripping of the recess.

	Allowable	Load Capacities	(Avg. Lbs.)		Structural Pro	operties (ksi)	Spacing
Substrate: Concrete			2,90	O 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			4,90	O 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"

*When installing into Hollow Block CMU drill through the full thickness of face wall.

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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Coati	ng						
3/16 x 3-3/4	CF360	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coati	ng						
3/16 x 4	CF364	1M	Phillips Flat Head, Hi-Low, Notched Threads, Diamond Point, Ceramic Coati	ng						
Application:	Attaches	Attaches wood or metal to concrete, brick, cement block or masonry.								
Specifications:	Meets ASTM ¹ A 510 for carbon steel manufacturing									
	Product meets ASTM B-117 for salt spray corrosion testing									
	• Miami	-Dade County (roduct control approved. NOA-15-0930.14	COUNTY						
Features:	Ceramic coating exceeds 500/hr. salt spray resistance									
	• Desigr	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		Structural Pr	operties (ksi)	Spacing	
	Substrate: Concre	te	2,90	0 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			2,30	O 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 Ma	sonry Block	4,90	0 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)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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:	DesignNotche	 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:	ments of t hammer n stripping	he concrete scr node turned OF of the recess.	sonry drill bit and hammer drill (in hammer mode), drill a hole 1/4" deeper than the minimum embedment require- ew to be installed*. Clean the dust from the hole using compressed air or hand pump. Use a #3 Phillips bit with F or a standard rotary drill to install fastener until seated. Do not over torque as it can cause the head to snap or llow Block CMU drill through the full thickness of face wall.						

	Allowable	Load Capacities	Structural Pro	Spacing			
Substrate: Concrete			3,00	O 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.

CF420_CF428_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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	o concrete, brick, cement block or masonry.						
Specifications:	Produce	 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:	DesignNotche	 Maint-Dade County product control approved. NOA-13-0930.14 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 require- ments 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.								

	Allowable	Load Capacities	(Avg. Lbs.)		Structural Pro	operties (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			2,30	O 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 Ma	sonry Block	4,90	O 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"

*When installing into Hollow Block CMU drill through the full thickness of face wall.

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)

CF436_CF444_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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:	Produce	 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:	DesignNotche	ed to work with d threads for c	eds 500/hr. salt spray resistance n ACQ treated lumber utting into concrete, brick and cement block n 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 require- ments 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 I	Load Capacities		Structural Pr	operties (ksi)	Spacing	
S	Substrate: Concrete			O 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 Mas	sonry Block	4,90	O 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)

CF452_CF496_Rev. A (6/29/21)

Los Angeles	New York	Chicago	Dallas	Atlanta	Portland	Houston	Cleveland	Miami
800.762.2004	888.322.2262	800.533.9669	800.558.7222	800.822.9690	800.434.5606	800.558.7222	800.533.9669	800.822.9690





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 Ir	dented Hi-Hex Washer	Head w/Shoulder, Type	S, Strong-Shield Coated
9-15 x 1-1/2	PG924	4M	Pole Gripper Unslotted Ir	dented Hi-Hex Washer	Head w/Shoulder, Type	S, Strong-Shield Coated
9-15 x 2	PG932	3M	Pole Gripper Unslotted Ir	dented Hi-Hex Washer	Head w/Shoulder, Type	S, Strong-Shield Coated
9-15 x 2-1/2	PG940	1.5M	Pole Gripper Unslotted Ir	dented Hi-Hex Washer	Head w/Shoulder, Type	S, Strong-Shield Coated
9-15 x 3	PG948	1.5M	Pole Gripper Unslotted Ir	dented Hi-Hex Washer	Head w/Shoulder, Type	S, Strong-Shield Coated
Application:	Attaches meta	al to wood. Used i	n roofing and siding applicat	ions.		
Specifications:			on steel manufacturing for salt spray corrosion testir	ığ		
Features:	• Rust/Acid	eld coating exceed ain protection o work with ACQ t	ds 1,000/hr. salt spray resista reated lumber	nce - Kesternich: 15 cyc		SHORE DE COMPANY AND
Coating:	Ū.	metallic zinc laye	high-grade metal surface p r, a passivation, a layer of fu	с с <i>у</i>		
Installation:	The fastener		ve socket with torque limitin Iled when it is embedded a n work surface.			·
			Pullout Values (Avg. Lbs.)		
Fast	ener			Steel Gauge		

Size	20	24	22	20	١٥			
9-15	165	246	324	397	632			
Pullout Values (Avg. Lbs.)								
Fastener	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)

PG916_PG948_Rev. A (7/30/20)

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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	PGA948 1M Pole Gripper Unslotted Indented Hi-Hex Washer Head w/Shoulder and 304 Stainless Steel Bonder Washer, Type S, Strong-Shield Coated						
Application:	Attaches met	al to wood. Used i	n roofing and siding applications.					
Specifications:			on steel manufacturing for salt spray corrosion testing					
Features:	 Rust/Acid 	ield coating exceed rain protection to work with ACQ t	ds 1,000/hr. salt spray resistance - Kesternich: 15 cycles reated lumber					
Coating:	four layers: a	-	a high-grade metal surface processing technology that prevents corrosion. The system constists of er, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion					
Installation:			ive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. alled 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 i	n 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)

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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:			or carbon steel manufacturing B-117 for salt spray corrosion testing
Features:	• Type '1	7' reduces woo	g exceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles od splitting and eliminates the need for pre-drilling n ACQ treated lumber
Coating:	four layer	-	ing is a high-grade metal surface processing technology that prevents corrosion. The system constists of inc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion m.
Installation:	The faster	ner is complete	1/4" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. It installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the to the work surface.

Pullout Values (Avg. Lbs.)							
	Steel Gauge						
26	24	22	20	18			
182	261	346	411	639			
	Pullout Values	(Avg. Lbs.)					
			n 2" x 4"				
1/2"	T	1"	1	1-1/2"			
215	655	710	1087	1246			
	182 1/2 "	26 24 182 261 Pullout Values (Wood - 1/2" 3/4"	Steel Gauge 26 24 22 182 261 346 Pullout Values (Avg. Lbs.) Wood - Depth Embedded i 1/2" 3/4" 1"	Steel Gauge 26 24 22 20 182 261 346 411 Pullout Values (Avg. Lbs.) Wood - Depth Embedded in 2" x 4" 1/2" 3/4" 1" 1-1/4"			

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)

PG1016_PG1048_Rev. A (7/30/20)

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STRONG-POINT Get the Point. Strong-Point.

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						
Application:	Attaches meta	al to wood. Used i	n roofing and siding applications.					
Specifications:			on steel manufacturing for salt spray corrosion testing					
Features:	• Type '17' re	-	ds 1,000/hr. salt spray resistance - Kesternich: 15 cycles ting and eliminates the need for pre-drilling treated lumber					
Coating:	-	metallic zinc laye	a high-grade metal surface processing technology that prevents corrosion. The system constists of er, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion					
Installation:			ive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. alled 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					
Fastener		Wood -	Depth Embedded i	n 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 met	al to wood. Used in	n roofing and siding applications.					
Specifications:			on steel manufacturing for salt spray corrosion testing					
Features:	• Rust/Acid	ield coating exceed rain protection to work with ACQ t	ds 1,000/hr. salt spray resistance - Kesternich: 15 cycles					
Coating:	four layers: a	The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system constists 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:	The fastener		ive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. Illed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause 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)	
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PGA1716_Rev. A (7/30/20)

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PGA1716_Rev. A (7/30/20)

Submittal: PGWSW17165SSC

¹(American Society of Testing Materials)

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 met	al to wood. Used i	n roofing and siding applications.						
Specifications:		 Meets ASTM¹ A 510 for carbon steel manufacturing Product meets ASTM B-117 for salt spray corrosion testing 							
Features:	Rust/Acid	 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:	four layers: a	The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system constists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosio chemical conversion film.							
Installation:	ed. The faster		drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommend- nstalled when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause 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	I)	
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.

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SA1416_SA1448_Rev. A (9/30/20)

Submittal: PGWSW1416SSC

¹(American Society of Testing Materials)



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 m	etal to wood. Us	ed 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:	• Rust/Aci	d rain protection	Acceeds 1,000/hr. salt spray resistance - Kesternich: 15 cycles CQ treated lumber						
Coating:	four layers	The Strong-Shield coating is a high-grade metal surface processing technology that prevents corrosion. The system constists 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:	The fastene	er is completely i	" drive socket with torque limiting nose piece set at a maximum of 2500 RPM drive speed recommended. installed when it is embedded a minimum of 1/2" into substrate. Do not over torque as it can cause the o 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.

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EA2_EA6_Rev. A (7/11/15)

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 dro	Attaches drop ceiling tie wires to steel.								
Specifications:	Meets AS	STM A 510 ¹ for carbo	on steel manufacturing							
	 Meets F.I.P.³-1000.7 for torsional strength and drill speed 									
	Meets ASTM F1941 for corrosion resistance									
Coating:	The Zinc co	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)

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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.							



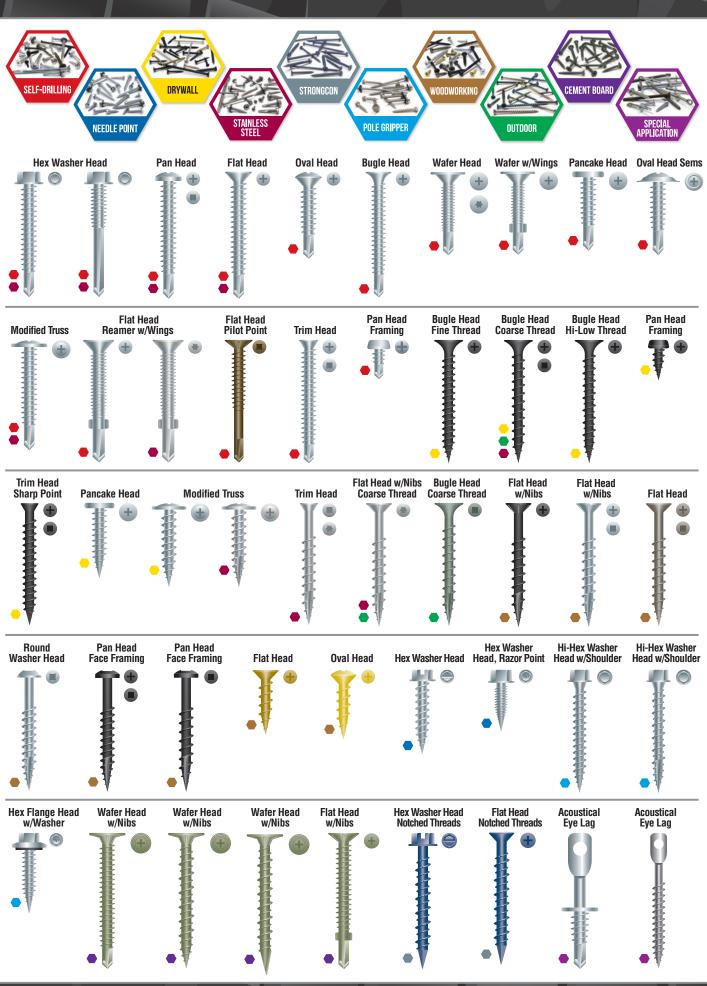
Pullout Values (Lbs.)									
Fastener	2 x 4 Wood Block								
Size	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Average	
1/4	1124	1221	1105	1176	1202	1143	1197	1166	

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.

(American Society of Testing Materials)

EA3_EA5_Rev. A (7/11/15)

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