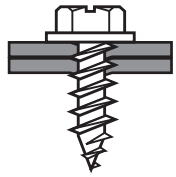
PRIMESOURCE BUILDING PRODUCTS, INC.

SPEC DATA *Submittal Sheet # 041*

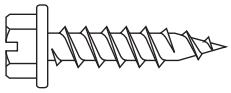
HEX WASHER HEAD (5/16”) SELF- PIERCING

For sheet metal from 0.0209” to 0.0358”. Recommended for H.V.A.C., electrical, plumbing, framing, and sheet metal.



5/16” HWH slotted

Product Specifications



Part #	Dia.	Length	TPI	Bulk Qty	Finish	Corrosion	Washer Diameter	Thread	Point
HW51012	10	1/2	13	8M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW51034	10	3/4	13	6M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW510100	10	1	13	5M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW510112	10	1-1/2	13	3M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW510200	10	2	13	2M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°

Pro-Twist sheet metal screws meet or exceed ASTM C-1002 and/or ASTM C-1513

Self Piercing Screws Ultimate Value Chart				
Dia.	Metal Gauge/1lb	Tension (Pull) Lbs. 1 Pc.	Shear Lbs. Metal to Metal	Minimum Torsional Strength (Lb)
7	25	172	412	30
	22	260	625	
	20	346	628	
8	25	149	337	39
	22	196	591	
	20	363	829	
10	25	173	363	56
	20	412	1755	

Ultimate Value Charts
Steel - Screws driven into steel were driven with three exposed threads on the off side of the connection, then pulled out with testing machine.

Note that all results were obtained in strict adherence to ASTM test protocol. These ultimate figures are offered only as a guide and are not guaranteed in any way by PrimeSource Building Products. A 4:1 safety ratio is recommended.

Installation Guidelines
0-2500rpm Screwgun with torque adjustment - Overdriving may result in fastener failure or stripout of the work surface

The fastener is fully seated when the head’s bearing surface is flush with the steel.
The fastener must penetrate beyond the metal a minimum of three threads to comply with the code

ALL PRIMESOURCE FASTENERS ARE MANUFACTURED IN AN ISO 9002 AND ISO 14001 CERTIFIED AND APPROVED FACTORY TO PRIMESOURCE PERFORMANCE SPECIFICATIONS AND PRINT DRAWINGS.

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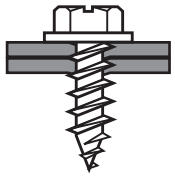
SPEC DATA *Submittal Sheet # 006*

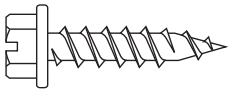
HEX WASHER HEAD (1/4") SELF- PIERCING

For sheet metal from 0.0209" to 0.0358". Recommended for H.V.A.C., electrical, plumbing, framing, and sheet metal.



1/4" HWH slotted

Product Specifications



Part #	Dia.	Length	TPI	Bulk Qty	Finish	Corrosion	Washer Diameter	Thread	Point
HW4712	8	1/2	16	15M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW4812	8	1/2	15	10M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW4834	8	3/4	15	10M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW48100	8	1	15	8M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW48112	8	1-1/2	15	5M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW48200	8	2	15	3M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW41012	10	1/2	13	8M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW41034	10	3/4	13	6M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW410100	10	1	13	5M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW410112	10	1-1/2	13	3M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°
HW410200	10	2	13	2M	Zinc	24 hr. min. B-117	8.18mm~ 8.84mm	Double lead	Piercing 28°

Pro-Twist sheet metal screws meet or exceed ASTM C-1002 and/or ASTM C-1513

Self Piercing Screws Ultimate Value Chart				
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	20	346	628	
8	25	149	337	39
	22	196	591	
	20	363	829	
10	25	173	363	56
	20	412	834	

Ultimate Value Charts
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