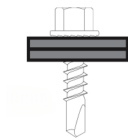




# TECHNICAL DATA

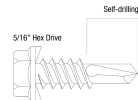
## HIGH HEX WASHER HEAD SCREW

For metal to metal fastening with heavy gauge metal up to 3/8 in. thick with extra strength from high hex head. Commonly used in HVAC ductwork assembly and sheet metal construction. Zinc plated for enhanced corrosion resistance.



5/16" High HWH

### PRODUCT SPECIFICATIONS



| Part # | Dia. | Length  | TPI | Bulk Qty | Finish | Head Dia.    | Corrosion         | Point          | Drill Capacity |
|--------|------|---------|-----|----------|--------|--------------|-------------------|----------------|----------------|
| HH1034 | 10   | 3/4 in. | 16  | 6.5M     | Zinc   | 10.8-11.2 mm | 24 hr. min. B-117 | #3 Drill Point | 110"-175"      |

Pro-Twist drill screws meet or exceed ASTM C-954 and/or C-1513.

| High Hex Washer Head Screws Ultimate Connection Value Chart |                         |                    |                         |                           |                                     |
|-------------------------------------------------------------|-------------------------|--------------------|-------------------------|---------------------------|-------------------------------------|
| Dia                                                         | Nominal Screw Dia. (in) | Metal Gauge 1 (Lb) | Tension (Pull) Lbs 1 pc | Shear Lbs. Metal to metal | Minimum Torsional Strength (in-lbs) |
| 10                                                          | 0.190                   | 25                 |                         |                           | 61                                  |
|                                                             |                         | 22                 |                         | 602                       |                                     |
|                                                             |                         | 20                 | 389                     | 811                       |                                     |
|                                                             |                         | 18                 | 554                     | 1223                      |                                     |
|                                                             |                         | 16                 | 727                     | 1492                      |                                     |
|                                                             |                         | 14                 | 1050                    | 1545                      |                                     |
|                                                             |                         | 12                 | 1216                    | 1650                      |                                     |

### Ultimate Value Charts

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 Screw gun 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 9001 CERTIFIED AND APPROVED FACTORY TO PRIMESOURCE® PERFORMANCE SPECIFICATIONS AND PRINT DRAWINGS.



## SAFETY DATA SHEET

These products do not meet the criteria of hazardous chemicals as defined by the Federal Occupational Safety and Health Hazard Communication Standard 29CFR 1910.1200(c). This form is provided solely as general information and should not be construed as a determination that the product(s) are hazardous chemical(s).

### GENERAL INFORMATION

**Dated:** October 24, 2024  
**Distributor:** Pro-Twist brand  
PrimeSource Building Products  
1321 Greenway Drive  
Irving, TX 750335

### PRODUCT INFORMATION

**Product Name:** Metal Fasteners (Screws, Nails, Collated Screw, etc.)

### TYPICAL CHEMICAL COMPOSITION

**Substrate:** Various Ferrous Metals  
**Coatings:** Various; Zinc Plating, Phosphates, Organic

### PHYSICAL DATA

|                             |                     |                            |           |
|-----------------------------|---------------------|----------------------------|-----------|
| <b>Physical State:</b>      | Solid               | <b>Specific Gravity:</b>   | 7.6 – 7.8 |
| <b>Appearance:</b>          | Various Shapes      | <b>Vapor Pressure:</b>     | N/A       |
| <b>Boiling Point:</b>       | N/A                 | <b>Vapor Density:</b>      | N/A       |
| <b>Melting Point:</b>       | Greater than 1400°F | <b>Evaporation Rate:</b>   | N/A       |
| <b>Solubility in Water:</b> | N/A                 | <b>Volatile by Volume:</b> | N/A       |
| <b>PH:</b>                  | N/A                 | <b>Odor:</b>               | None      |

### FIRE AND EXPLOSION HAZARD DATA

Not Applicable

1321 Greenway Drive • Irving, Texas 75038 • 800-676-7777 • [www.PrimeSourceBP.com](http://www.PrimeSourceBP.com)





#### REACTIVITY DATA

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| <b>Stability:</b>                            | Stable                                    |
| <b>Hazardous Decomposition Products:</b>     | CO <sub>2</sub> and/or CO                 |
| <b>Incompatibility – Materials to Avoid:</b> | Strong Mineral Acids, Alkali or Oxidizers |
| <b>Polymerization:</b>                       | Will not occur                            |

#### HEALTH HAZARD DATA

|                                                |                                                        |
|------------------------------------------------|--------------------------------------------------------|
| <b>Health Effects/Signs &amp; Symptoms:</b>    | N/A                                                    |
| <b>Usual Route(s) of Entry:</b>                | Sharp metal fastener may cut skin                      |
| <b>Medical Conditions Possibly Aggravated:</b> | None Known                                             |
| <b>Carcinogen Information:</b>                 | None Known                                             |
| <b>Eye Contact:</b>                            | Not anticipated to pose a significant eye hazard       |
| <b>Skin Contact:</b>                           | Not anticipated to pose a significant skin hazard      |
| <b>Ingestion:</b>                              | Not anticipated to pose a significant ingestion hazard |
| <b>Inhalation:</b>                             | Not considered an inhalation hazard                    |

#### OCCUPATIONAL EXPOSURE CONTROL MEASURES

|                         |                                |
|-------------------------|--------------------------------|
| <b>Eye Protection:</b>  | Safety glasses recommended     |
| <b>Skin Protection:</b> | Gloves recommended             |
| <b>Ingestion:</b>       | Never place fasteners in mouth |

#### SPILL, LEAK AND DISPOSAL INFORMATION

|                                                                 |                                                                                                                                                 |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Procedures to Follow if Material is Released or Spilled:</b> | N/A                                                                                                                                             |
| <b>Waste Disposal Method(s):</b>                                | Any excess product can be recycled for further use or disposed of by methods which are in accordance with local, state and federal regulations. |

#### ADDITIONAL OR MISCELLANEOUS INFORMATION

After working with coated materials, wash hands and face before eating, drinking or smoking.  
Characteristics not covered on the SDS are not applicable to this material at this time.

1321 Greenway Drive • Irving, Texas 75038 • 800-676-7777 • [www.PrimeSourceBP.com](http://www.PrimeSourceBP.com)

