HEX WASHER HEAD

A

B

C

D

E

F

G

H

HEX DRIVE SIZE
#8 dia: 1/4" HWH
#10 dia: 5/16" HWH
#12 dia: 5/16" HWH
1/4 dia: 3/8" HWH
5/16 dia: 3/8" HWH

High Hex for better driving stability!

Metal Roof Clip Screw

- The hex washer head is the most popular drive system and provides the best stability during installation.
- Available with TRI-SEAL™ long life coating for the ultimate corrosion protection...1,000 hrs salt spray with no red rust!

SIZES AND PERFORMANCE SPECIFICATIONS

	Size	Point Type	Drilling Thickness	Attachment Thickness	Box Quantity
A	#8-18 x 1/2"	DP2	.036" - .100"	.205"	10M
	#8-18 x 5/8"	DP2	.036" - .100"	.330"	10M
	#8-18 x 3/4"	DP2	.036" - .100"	.455"	10M
	#8-18 x 1"	DP2	.036" - .100"	.705"	7.5M
	#8-18 x 1-1/4"	DP2	.036" - .100"	1.000"	5M
	#8-18 x 1-1/2"	DP2	.036" - .100"	1.205"	5M
	#8-18 x 2"	DP2	.036" - .100"	1.750"	1.5M
B	#10-16 x 1/2"	DP3	.036" - .175"	.150"	10M
	#10-16 x 5/8"	DP3 (HH)	.036" - .175"	.200"	10M
	#10-16 x 3/4"	DP3 (HH)	.036" - .175"	.325"	7.5M
	#10-16 x 1"	DP3	.036" - .175"	.575"	5M
	#10-16 x 1-1/2"	DP3	.036" - .175"	1.075"	3M
	#10-16 x 2"	DP3	.036" - .175"	1.500"	2M
	#10-16 x 3"	DP3	.036" - .175"	2.500"	1M

"HH" Denotes High Hex

MATERIAL: C1018-1022 Carbon Steel
PLATING: Standard: .0003" Min. Electro Zinc (46hrs Salt Spray - ASTM B117)
Meets ASTM C 1513-04 and AISI TS-4-02 Standards

	Size	Point Type	Drilling Thickness	Attachment Thickness	Box Quantity
C	#12-14 x 3/4"	DP3	.036" - .210"	.290"	5M
	#12-14 x 1"	DP3	.036" - .210"	.525"	3.5M
	#12-14 x 1-1/4"	DP3	.036" - .210"	.750"	3M
	#12-14 x 1-1/2"	DP3	.036" - .210"	1.000"	2M
	#12-14 x 2"	DP3	.036" - .210"	1.500"	2M
	#12-14 x 2-1/2"	DP3	.036" - .210"	2.000"	1M
	#12-14 x 3"	DP3	.036" - .210"	2.500"	1M
D	#12-14 x 1-1/4"	DP2 LP	.036" - .200"	.750"	3.5M
E	1/4-14 x 7/8"	DP1 W/VRT	.036" - .090"	.325"	2.5M
F	1/4-14 x 3/4"	DP3	.036" - .250"	.210"	2.5M
	1/4-14 x 1"	DP3	.036" - .250"	.460"	2.5M
	1/4-14 x 1-1/4"	DP3	.036" - .250"	.710"	2M
	1/4-14 x 1-1/2"	DP3	.036" - .250"	.960"	2M
	1/4-14 x 2"	DP3	.036" - .250"	1.460"	1.5M
	1/4-14 x 2-1/2"	DP3	.036" - .250"	2.460"	1M
	1/4-14 x 4"	DP3	.036" - .250"	3.460"	500
	1/4-14 x 5"	DP3	.036" - .250"	4.460"	500
	1/4-14 x 6"	DP3	.036" - .250"	5.460"	250
	1/4-14 x 8"	DP3	.036" - .250"	7.460"	250
G	#12-14 x 1-1/4"	DP2 SHLDR	.036" - .200"	.750"	3.5M
H	5/16-18 x 1"	DP3	.100" - .250"	.460"	1.5M
	5/16-18 x 1-1/4"	DP3	.100" - .250"	.710"	1.5M
	5/16-18 x 1-1/2"	DP3	.100" - .250"	.960"	1.5M
I	#12-24 x 7/8"	DP4	.125" - .137"	.325"	5M
	#12-24 x 1-1/4"	DP4	.125" - .137"	.375"	3.5M
J	#12-24 x 1-1/4"	DP5	.250" - .500"	.375"	3.5M
	#12-24 x 1-1/2"	DP5	.250" - .500"	.625"	2.5M
	#12-24 x 2"	DP5	.250" - .500"	1.125"	2M
K	1/4-20 x 1-1/2"	DP5	.250" - .500"	.500"	2M
	1/4-20 x 2-1/4"	DP5	.250" - .500"	1.250"	1M
	1/4-20 x 3"	DP5	.250" - .500"	2.000"	500
	1/4-20 x 4"	DP5	.250" - .500"	3.000"	250
	1/4-20 x 5"	DP5	.250" - .500"	4.000"	250
	1/4-20 x 6"	DP5	.250" - .500"	5.000"	250
	1/4-20 x 8"	DP5	.250" - .500"	7.000"	150

MATERIAL: C1018-1022 Carbon Steel
PLATING: Long-Life: TRI-SEAL™ Coating (1,000hrs Salt Spray - ASTM B117)
Meets ASTM C 1513-04 and AISI TS-4-02 Standards

Heavy Gauge Applications - DP4 & DP5 Points

- Drill and tap up to 1/2" thick steel.
- Supplied with our TRI-SEAL™ long life coating for superior corrosion protection.
- Lengths up to 8" for retrofit metal roof base attachment.

I

J

K

BLAZER® DRILL SCREWS

HIGH PERFORMANCE FASTENERS FOR HEAVY GAUGE APPLICATIONS

Visit our website for the most up-to-date product and technical information!

Fasteners for Heavy Gauge use provides superior pullover.

We stock a full line of 1/4-20 diameter BLAZER® drill screws for drilling and tapping up to 1/2" thick steel.

BLAZER® self-drilling screws are engineered to drill and tap high tensile steels more consistently with less effort.

Innovative features assure High performance and easy installation.

- DP5 drills up to 1/2" thick steel with less effort.
- TRI-SEAL™ coating provides 1,000 hrs salt spray.
- Shank slot and spiral flutes reduce tapping torque.
- 5/8" O.D. washer face produces greater pullover resistance.

SIZES AND PERFORMANCE SPECIFICATIONS

Size	Point Type	Attachment Thickness	Box Quantity
1/4-20 x 1-1/2"	DP5	.500"	2,000
1/4-20 x 2-1/4"	DP5	1.250"	1,000
1/4-20 x 3"	DP5	2.000"	500
1/4-20 x 4"	DP5	3.000"	250
1/4-20 x 5"	DP5	4.000"	250
1/4-20 x 6"	DP5	5.000"	150
1/4-20 x 8"	DP5	7.000"	150

Great for retrofit metal roofing base attachment!

TECHNICAL DATA

Pullout Test Results

Size	GAGE THICKNESS & ROCKWELL HARDNESS OF THE TEST PLATE			
	16 Ga. (.060") 65-67Rb	3/16" (.188") 83-85Rb	1/4" (.250") 92-96RB	1/2" (.500") 92-93RB
1/4-20 DP5	708	3,853	4,283*	4,680*

* Exceeds Tensile Strength

Pullover Test Results

Size	GAGE THICKNESS & ULTIMATE PULLOVER IN POUNDS (55 KSI STEEL)				
	26 Ga. (.018")	24 GA. (.024")	22 Ga. (.030")	20 Ga. (.036")	18 Ga. (.046")
1/4-20 DP5	928	1,238	1,547	1,856	2,475

Note: Estimated pullover for fasteners without sealing washers can be calculated using the following formula per AISI.
Pullover force = 1.5 X Thickness of the member in contact with the screw head. X Larger of the screw head diameter or washer diameter. X Tensile strength of the member in contact with the screw head.

Physical Properties

Size	Nominal Screw Diameter	Major Diameter (In.)		Minor Diameter (In.)		Area of Minor Diameter (Sq. In.)
		Max	Min	Max	Min	
1/4-20 DP5	0.250	0.250	0.242	0.218	0.214	0.0360

Performance Specifications

Size	Torsional (In/Lbs.)	Tensile (Lbs.)	Shear (Lbs.)
1/4-20 DP5	156	4,275	2,700

DISCLAIMER: ALL TESTS RESULTS AND SPECIFICATIONS ARE A RESULT OF LABORATORY TESTS. APPROPRIATE SAFETY FACTORS SHOULD BE USED BY THE USER OR SPECIFIER. DETERMINING THE PROPER FASTENER IS THE RESPONSIBILITY OF THE USER OR SPECIFIER. SINCE APPLICATION CONDITIONS VARY AND ARE UNCONTROLLABLE BY TFC, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.

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