



Hex Flange Screws with EPDM Sealing Washers Moisture-repellant sealing action.

Hex Flange Screws with EPDM Sealing Washers, also known as **Grain Bin Bolts**, are designed with a recessed flange under the head to fully conform to a rubber washer, creating a watertight and moisture-repellant seal. Earnest Machine's line of product comes preassembled with an EPDM washer, which performs well in extreme weather conditions, meaning the EPDM washer will not dry out or crack in the sun, and it will not become brittle in freezing temperatures.



PRODUCT ATTRIBUTES

Fully threaded product available in grade 8
Diameters range from 5/16" to 3/8"
Lengths range from 3/4" to 1 3/4"
Preassembled with an EPDM washer
Available in RoHS compliant Zinc Yellow Trivalent and Zinc Clear Trivalent

MARKETS FOR HEX FLANGE SCREWS WITH SEALING WASHERS

Agricultural Structures
Electrical Utility Enclosures
Storage Units

THIS PRODUCT IS OFTEN CALLED

Grain Bin Bolts
Sealing Bolts
Flange Screw with Rubber Washer
Flange Bolt with Sealing Washer

ADDITIONAL SEALING AND AGRICULTURAL FASTENERS WE SUPPLY

Hex Tap Bolts With Sealing Washers
Bonded Sealing Washers
EPDM Washers
#1 Head Elevator Bolts
#8 (Contour Head) Plow Bolts
Hex Serrated Flange Screws
Hex Flange Nuts

AVAILABLE VALUE ADDED SERVICES

Bulk and full case quantities
Secondary and rework services available
Custom packaging services
Custom plating

Inquire today at **+1 (800) 327-6378** or visit **EarnestMachine.com**

GRADE 8 HEX FLANGE SCREWS WITH EPDM SEALING WASHER (GRAIN BIN BOLTS)

Hex Flange Screws with EPDM Sealing Washer, also known as Grain Bin Bolts, are designed with a recessed flange under the head to fully conform to a rubber washer, creating a watertight and moisture-repellant seal.

This style of fastener is manufactured in accordance with the latest revision of the following industry standards:

IFI-111	Dimensional Requirements
SAE J429	Material and Strength Level
ASME B1.1	Thread Requirements
ASME B18.18	Inspection and Quality Assurance

THREADS

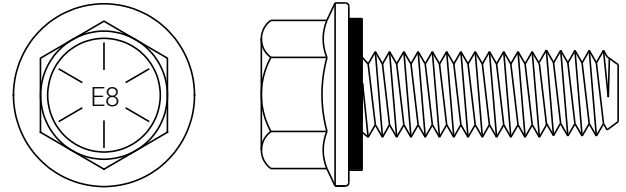
Threads are made to the requirements of ASME B1.1
Unified Threads (UNC) Class 2A
Thread acceptance per ASME B1.3, System 21

PLATING

Zinc Yellow Trivalent
Zinc Clear (RoHS compliant Cr3+)

MATERIAL AND PHYSICAL PROPERTIES

Grade 8



Chemical Composition Limits

CARBON (C)		PHOSPHORUS (P)	SULFUR (S)
Max	Min	Max	Max
0.55	0.25	0.025	0.025

Alloy

GRADE 8
Mn, Cr, Mo, Ni, V, B

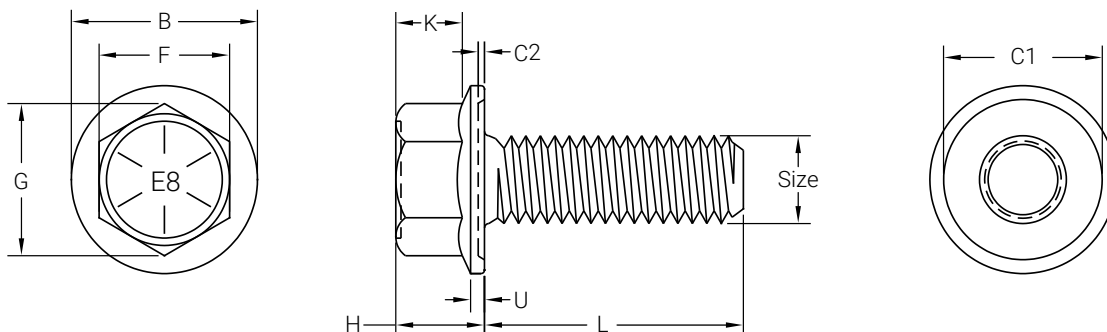
Hardness

GRADE 8
HRC 33/39

Tensile Strength

GRADE 8
150,000 psi min

DIMENSIONS FOR GRADE 8 HEX FLANGE SCREWS WITH EPDM SEALING WASHER



SIZE	WIDTH ACROSS FLATS (F)			WIDTH ACROSS CORNERS (G)		FLANGE DIAMETER (B)	HEIGHT OF HEAD (H)		HEX HEIGHT (K)	UNDERCUT DIAMETER (C1)		UNDERCUT DEPTH (C2)		FLANGE THICKNESS (U)	
	NOM	MAX	MIN	MAX	MIN		MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN
5/16	1 1/2"	0.500	0.489	0.577	0.548	0.730	0.318	0.303	0.210	0.584	0.560	0.050	0.040	0.08	0.06
3/8	9/16"	0.562	0.550	0.650	0.618	0.810	0.380	0.365	0.256	0.655	0.620	0.050	0.040	0.08	0.06

*The specifications shown on this sheet are not intended to be used in the production of parts. Earnest Machine is not responsible or liable in any manner for any production errors and we certify the information present on this specification sheet is correct to the best of our knowledge. ©2023 Earnest Machine Products

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