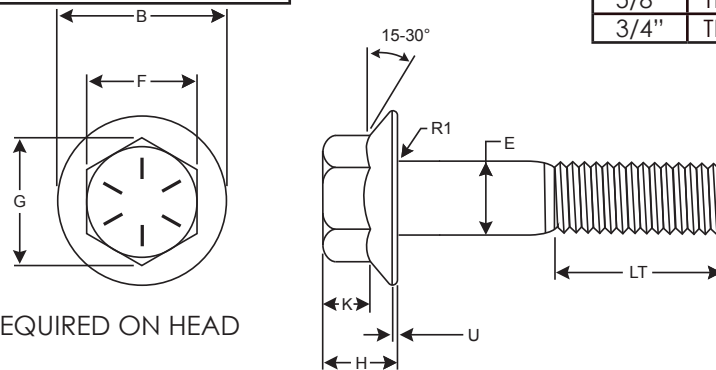


<b>MATERIAL:</b>	SAE J429 GRADE 8
<b>TENSILE STRENGTH:</b>	150,000PSI MIN
<b>DIMENSIONS:</b>	IFI-111 (2014)
<b>HEADMARK:</b>	6 RADIAL LINES & MFG'S ID
<b>REQUIRED TESTING:</b>	ASME B18.18 - CATEGORY 3
<b>FINISH:</b>	ZINC PHOSPHATE & OIL
<b>REQUIRED TESTING:</b>	ASME B18.18 - CATEGORY 3

THREAD LENGTH			
Dia.	Length Full Thread	Length Partial Thread	"LT" Partial Thread Length
1/4"	THROUGH 1-1/4"	1-3/8" & LONGER	Min 0.750"
5/16"	THROUGH 1-3/8"	1-1/2" & LONGER	Min 0.875"
3/8"	THROUGH 1-1/2"	1-5/8" & LONGER	Min 1.000"
7/16"	THROUGH 1-3/4"	1-7/8" & LONGER	Min 1.125"
1/2"	THROUGH 1-7/8"	2" & LONGER	Min 1.250"
5/8"	THROUGH 2-1/2"	2-5/8" & LONGER	Min 1.500"
3/4"	THROUGH 2-3/4"	2-7/8" & LONGER	Min 1.750"



MFG'S ID REQUIRED ON HEAD

Nominal Size or Basic Bolt Diameter	F		G		B	E		H	U	K	R1
	Width Across Flats		Width Across Corners		Flange Dia	Body Diameter		Height of Head	Flange Thickness	Wrench Height	Fillet
	Max	Min	Max	Min	Max	Max	Min	Max	Min	Min	Min
1/4	0.375	0.367	0.433	0.409	0.56	0.2500	0.2450	0.28	0.04	0.17	0.015
5/16	0.500	0.489	0.577	0.548	0.68	0.3125	0.3065	0.32	0.05	0.21	0.015
3/8	0.562	0.551	0.650	0.618	0.81	0.3750	0.3690	0.39	0.06	0.25	0.015
7/16	0.625	0.612	0.722	0.685	0.93	0.4375	0.4305	0.46	0.07	0.30	0.015
1/2	0.750	0.736	0.866	0.825	1.07	0.5000	0.4930	0.51	0.08	0.34	0.015
5/8	0.937	0.922	1.083	1.034	1.33	0.6250	0.6170	0.62	0.10	0.42	0.020
3/4	1.125	1.100	1.299	1.234	1.59	0.7500	0.7410	0.73	0.11	0.51	0.020

**DESCRIPTION:**  
GRADE 8 HEX FLANGE SCREWS

PRODUCT IS NOT DRAWN TO SCALE

IN HOUSE INVENTORY MAY OR MAY NOT BE PER ASME B18.18, CATEGORY 3. IF REQUIRED, CONFIRM STATUS WITH US AT SALES@FLANGESCREWS.COM OR 440.350.1430

THIS DRAWING IS FOR REFERENCE ONLY AND SHOULD NOT BE USED DURING THE MANUFACTURING PROCESS.

**UNITS:** INCH

**PRODUCT SERIES:** 8HF

**DRAWN:**

**DATE:** 2/2/17

**REV:**