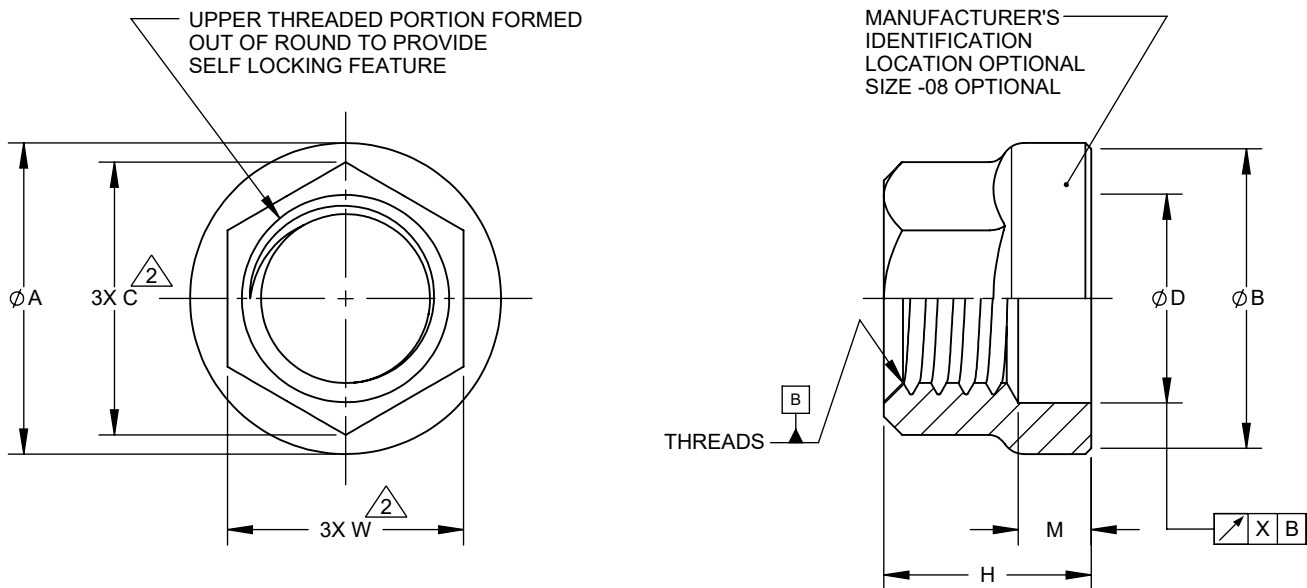


MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.



HFS PART NO.		THREADS PER AS8879	ØA MAX	ØB MIN	C MIN	ØD MAX	H MAX	M	W	X	AXIAL TENSILE STRENGTH lbf MIN	RECOMMENDED SEATING TORQUE in-lbf
KFN305-	08	.1640-32UNJC-3B	.290	.273	.242	.202 .198	.270	.112 .102	.220 .212	.005	2,300	30-40
	3	.1900-32UNJF-3B	.330	.295	.277	.228 .224	.280	.102	.251 .243		2,750	40-50
	4	.2500-28UNJF-3B	.425	.398	.348	.288 .284	.340	.117 .107	.313 .305		5,000	110-130
	5	.3125-24UNJF-3B	.525	.497	.419	.350 .346	.430	.127 .117	.376 .367		8,300	200-250
	6	.3750-24UNJF-3B	.605	.577	.491	.413 .409	.470	.117	.439 .430	.006	12,700	360-420
	7	.4375-20UNJF-3B	.725	.677	.561	.476 .472	.565	.142 .132	.502 .492		19,000	600-675
	8	.5000-20UNJF-3B	.825	.777	.631	.538 .534	.615		.564 .553		25,500	900-1000
	9	.5625-18UNJF-3B	.902	.862	.702	.601 .597	.661	.132	.627 .616	.008	29,900	1075-1150
	10	.6250-18UNJF-3B	1.043	1.003	.843	.663 .659	.726		.752 .741		32,000	1400-1550

THIS DRAWING EMBODIES HOWMET FASTENING SYSTEMS CONFIDENTIAL, PROPRIETARY DESIGN & ALL DESIGN, MANUFACTURING PRODUCTION, USE & SALE RIGHTS REGARDING SAME ARE EXPRESSLY RESERVED.

FILED AS:

s\_KFN305-()

THIRD ANGLE PROJECTION

APPROVED DATE

26APR1985

REV. LETTER AND DATE:

H 06APR2020

CUSTOMER:

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CURRENT DESIGN ACTIVITY:



Howmet Fastening Systems  
800 S State College Boulevard  
Fullerton, California, 92831

<http://www.hfs.howmet.com>

TITLE:

NUT - 6 POINT,  
SELF LOCKING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE  
IN INCHES & TO ASME Y14.5-2018 TOLERANCES:  
DECIMALS =  $\pm .015$ ; ANGLES =  $\pm 2^\circ$

**CAGE CODE: 15653**

**SALES DRAWING No.**

**KFN305-(\* )**

**SHEET 1 OF 2**

MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN  
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MATERIAL: SIZE -6 AND SMALLER:  
304 CORROSION RESISTANT STEEL PER AMS5697 OR AMS5639 (UNS S30400).  
305 CORROSION RESISTANT STEEL PER AMS5685 OR AMS5686 (UNS S30500).  
SIZE -7 AND LARGER:  
A286 CORROSION RESISTANT STEEL PER AMS5732 OR AMS5737 (UNS S66286).

FINISH: KFN305C(\*):  
CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 3 PLUS  
CETYL ALCOHOL LUBE AS87132.

KFN305CD(\*):  
CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2 PLUS  
SOLID FILM LUBE PER AS5272.

KFN305DL(\*):  
SOLID FILM LUBE AS5272.

KFN305E(\*):  
SILVER PLATE PER AMS2410 PLUS CETYL ALCOHOL LUBE PER AS87132.

KFN305J(\*):  
SILVER PLATE PER AMS2410.

KFN305K(\*):  
LUBECO 905 SOLID FILM LUBE.


KFN305PK(\*):  
CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, OLIVE COLOR,  
PLUS CETYL ALCOHOL LUBRICANT COAT PER AS87132.

KFN305FA(\*):  
KALGARD TYPE FA, SOLID FILM LUBE AS5272.

KFN305KC(\*):  
SOLID FILM LUBRICANT COAT PER AS5272 PLUS CETYL ALCOHOL  
LUBE AS87132.

PERFORMANCE: LOCKING TORQUE PER NASM25027, EXCEPT AS FOLLOWS:  
A) REUSABILITY OF 5 CYCLES REQUIRED. TESTING TO BE DONE USING  
AN UNPLATED CORROSION RESISTANT STEEL PIN WITH REDUCED MAJOR  
DIAMETER THREAD COATED WITH CETYL ALCOHOL. KFN305FA(\*) PARTS  
TESTED USING AN UNPLATED TITANIUM PIN WITH REDUCED MAJOR  
DIAMETER THREAD, COATED WITH CETYL ALCOHOL.  
B) AXIAL TENSILE STRENGTH AS TABULATED, OBTAINED WHEN TESTED ON  
180 KSI MINIMUM BOLTS.

APPLICATIONS: FOR USE ON STANDARD TO .032 OVERSIZED SHANK BOLTS.

- NOTES:
1. PACKAGING:  
PARTS ARE NORMALLY SUPPLIED IN BULK PACKAGING. ADD S AFTER DASH  
NUMBER FOR SPINDLE PACKAGED NUTS FOR USE WITH K-FAST™ AUTOMATIC  
TOOLS. EXAMPLE: KFN305C4S.
  2.  DIMENSIONS C AND W APPLY PRIOR TO FORMING SELF LOCKING FEATURE.
  3. DIMENSIONS TO BE MET AFTER FINISH, BUT PRIOR TO LUBRICANTION.
  4. SURFACE ROUGHNESS PER ASME B46.1.

THIRD ANGLE  
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TITLE:

NUT - 6 POINT,  
SELF LOCKINGUNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE  
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DECIMALS = ±.015; ANGLES = ±2°

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SALES DRAWING No.

KFN305-(\* )

SHEET 2 OF 2

FILED AS:

s\_KFN305(-)