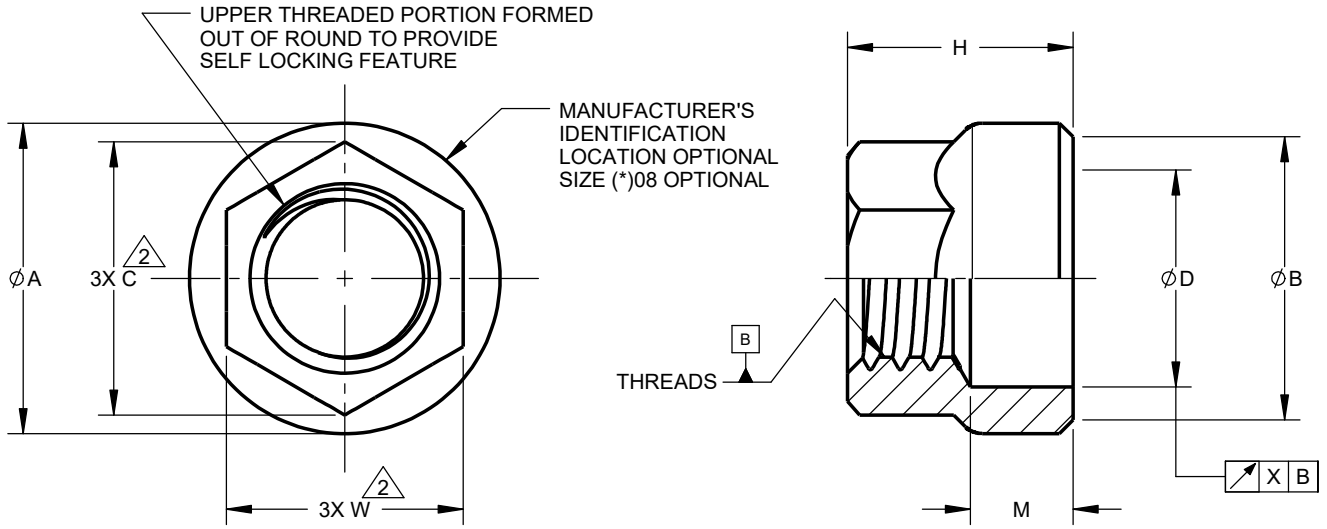


MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.



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

HFS PART NO.	THREADS PER AS8879	$\phi A$	$\phi B$	C	$\phi D$	H	M	W	X	AXIAL TENSILE STRENGTH lbf MIN	RECOMMENDED SEATING TORQUE in-lbf	
		MAX	MIN	MIN		MAX						
KFN511(*)	08	.1640-32UNJC-3B	.290	.273	.242	.202 .198	.251	.112 .212	.005	2,300	30-40	
	3	.1900-32UNJF-3B	.330	.295	.277	.228 .224	.269	.102 .251 .243		2,750	40-50	
	4	.2500-28UNJF-3B	.425	.398	.348	.288 .284	.331	.117 .107		.313 .305	5,000	115-130
	5	.3125-24UNJF-3B	.525	.497	.419	.350 .346	.352	.127 .117	.376 .367	.006	8,300	200-250
	6	.3750-24UNJF-3B	.605	.577	.491	.413 .409	.423	.127 .117	.439 .430		12,700	360-420
	7	.4375-20UNJF-3B	.705	.677	.561	.476 .472	.488	.142 .132	.502 .492		19,000	525-600
	8	.5000-20UNJF-3B	.805	.777	.631	.538 .534	.543	.142 .132	.564 .553		25,500	725-825

HFS PART NO.	MAXIMUM LOCKING TORQUE in-lbf	APPROX WEIGHT lbs/100
KFN511(*)	08	.16
	3	.21
	4	.41
	5	.61
	6	.87
	7	1.40
	8	1.90

© 2020 HOWMET AEROSPACE INC. ALL RIGHTS RESERVED.

THIRD ANGLE PROJECTION EAR EXPORT CONTROLLED TECHNICAL DATA: DISTRIBUTION LIMITED TO U.S. PERSONS OR THOSE NON-U.S. PERSONS COVERED BY AN APPROPRIATE EXPORT LICENSE OR ALLOWED FOR BY THE APPROPRIATE REGULATIONS, ECCN: EAR99.

APPROVED DATE <b>01APR2004</b>	CURRENT DESIGN ACTIVITY: <b>HOWMET AEROSPACE</b> Howmet Fastening Systems 800 S State College Boulevard Fullerton, California, 92831 <a href="http://www.hfs.howmet.com">http://www.hfs.howmet.com</a>	TITLE: <b>NUT - 6 POINT, SELF LOCKING</b>  FOR USE ON STANDARD TO .032 OVERSIZE SHANK BOLTS.
REV. LETTER AND DATE: <b>D 17DEC2020</b>		<b>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES &amp; TO ASME Y14.5-2018 TOLERANCES: DECIMALS = ±.010; ANGLES = ±2°</b>

**CAGE CODE: 15653**

**SALES DRAWING No.**

**KFN511(\*) (\*)**

FILED AS: s\_KFN511(X)

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

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

MATERIAL: A286 CORROSION RESISTANT STEEL PER AMS5732 OR AMS5737 (UNS S66286).

HEAT TREAT: Rc 33-44.

FINISH: KFN511C(\*) -- PASSIVATE PER AMS2700, CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, PLUS CETYL ALCOHOL LUBRICANT.

KFN511DL(\*) -- PASSIVATE PER AMS2700, PLUS SOLID FILM LUBE PER AS5272.


KFN511E(\*) -- PASSIVATE PER AMS2700, SILVER PLATE PER AMS2410, PLUS CETYL ALCOHOL LUBRICANT.

KFN511J(\*) -- SILVER PLATE PER AMS2410.


KFN511K(\*) -- LUBECO 905 SOLID FILM LUBE.


KFN511V(\*) -- LUBECO 2123 SOLID FILM LUBE.

PERFORMANCE: KFS 1011, EXCEPT AS FOLLOWS:  
 A) AXIAL TENSILE STRENGTH AS TABULATED.  
 B) RECOMMENDED SEATING TORQUE AS TABULATED.  
 C) MAXIMUM LOCKING TORQUE AS TABULATED.  
 D) METALLURGICAL EXAMINATION, MICROSTRUCTURE, REQUIRED PER 33A056.

- NOTES:
1. PACKAGING:  
 PARTS ARE NORMALLY SUPPLIED IN BULK PACKAGING. ADD S AFTER DASH NUMBER FOR SPINDLE SUPPLIED NUTS FOR USE WITH K-FAST™ AUTOMATIC TOOLS, OR SS FOR PARTS ON SHORT SPINDLES. FOR USE ON LIGHTWEIGHT K FAST™ AUTOMATIC TOOLS. SPINDLE PACKAGED PARTS APPLY TO SIZES -5 AND SMALLER.
  2.  DIMENSIONS C AND W APPLY PRIOR TO FORMING SELF LOCKING FEATURE.
  3. REMOVE ALL SHARP EDGES AND BURRS.
  4. UNLESS OTHERWISE SPECIFIED:  
 A) SURFACE TEXTURE 125 MICROINCHES.

© 2020 HOWMET AEROSPACE INC. ALL RIGHTS RESERVED.

THIRD ANGLE PROJECTION  EAR EXPORT CONTROLLED TECHNICAL DATA: DISTRIBUTION LIMITED TO U.S. PERSONS OR THOSE NON-U.S. PERSONS COVERED BY AN APPROPRIATE EXPORT LICENSE OR ALLOWED FOR BY THE APPROPRIATE REGULATIONS, ECCN: EAR99.

s_KFN511(0)	APPROVED DATE 01APR2004	 <b>HOWMET AEROSPACE</b> Howmet Fastening Systems 800 S State College Boulevard Fullerton, California, 92831 <a href="http://www.hfs.howmet.com">http://www.hfs.howmet.com</a>	TITLE: NUT - 6 POINT, SELF LOCKING	CAGE CODE: 15653
	REV. LETTER AND DATE: D 17DEC2020		FOR USE ON STANDARD TO .032 OVERSIZE SHANK BOLTS.	SALES DRAWING No.
	CUSTOMER:		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES & TO ASME Y14.5-2018 TOLERANCES: DECIMALS = ±.010; ANGLES = ±2°	KFN511(*) (*)
				SHEET 2 OF 2

FILED AS: