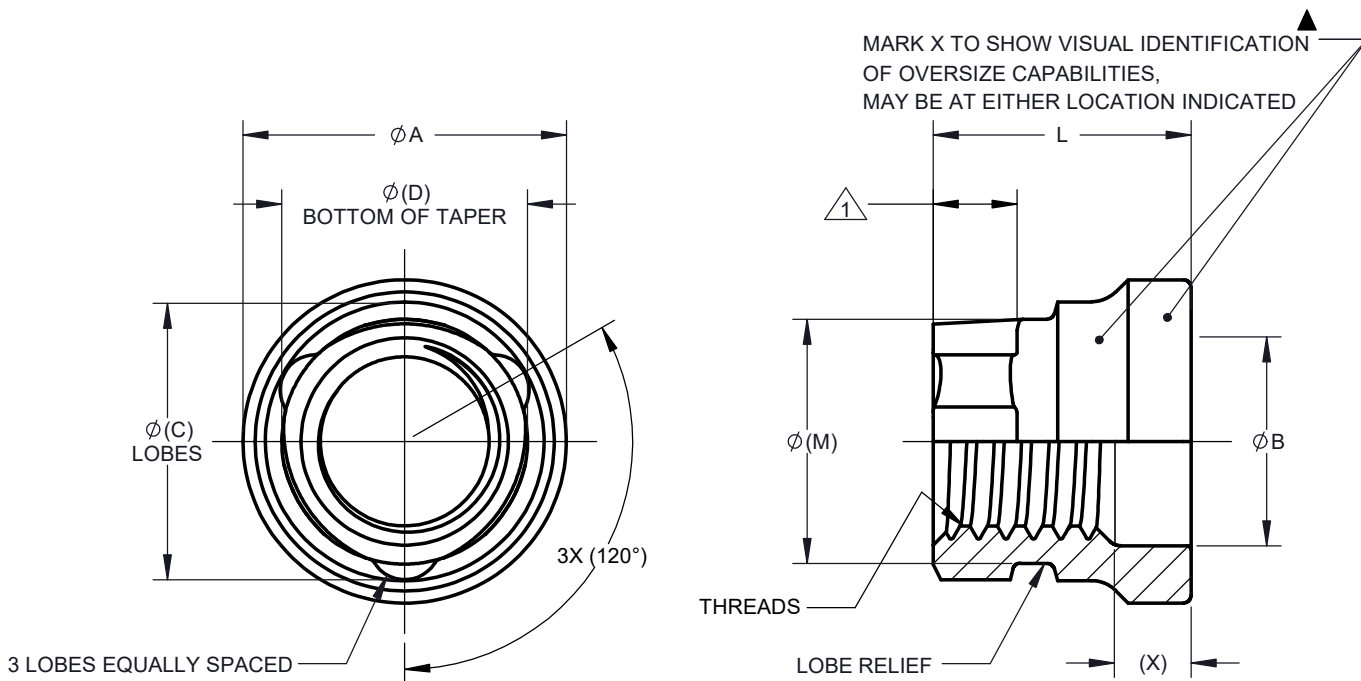


MANUFACTURE OF THE PROPRIETARY PARTS SHOWN HERE WITHOUT WRITTEN CONSENT OF HOWMET FASTENING SYSTEMS IS ABSOLUTELY PROHIBITED.

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	ϕA	ϕB	$\phi(C)$	$\phi(D)$	L MAX	$\phi(M)$	(X)	DRIVE TOOL DASH NO.	AXIAL TENSILE STRENGTH lbf MIN
EN1132ND(*) EN1132ND(*)X	5	.1640 .288	.324 .167	.275 .219	.247 .219	.275	.219	.095	5	2,300
	6	.1900 .318	.212 .206	.295 .242	.275 .242	.295	.242	.092	6	2,750
	8	.2500 .418	.274 .268	.340 .323	.359 .323	.340	.323	.097	8	5,000
	10	.3125 .532	.338 .330	.435 .390	.435 .390	.435	.390	.104	10	8,300
	12	.3750 .642	.400 .392	.475 .483	.534 .483	.475	.483		12	12,700

FILED AS: S_EN1132ND()

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 03FEB2000	CURRENT DESIGN ACTIVITY:
REV. LETTER AND DATE: V 13JUL2020	<p>HOWMET AEROSPACE Howmet Fastening Systems 800 S State College Boulevard Fullerton, California, 92831 http://www.hfs.howmet.com</p>
CUSTOMER:	

TITLE: EDDIE-BOLT® 2, NUT SHEAR, LIGHTWEIGHT,	CAGE CODE: 15653
FOR USE ON STANDARD AND .0156 OVERSIZE PINS	SALES DRAWING No.
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES & TO ASME Y14.5-2018 TOLERANCES: DECIMALS = ±.010; ANGLES = ±2°	EN1132ND(*) EN1132ND(*)X
	SHEET 1 OF 2

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).

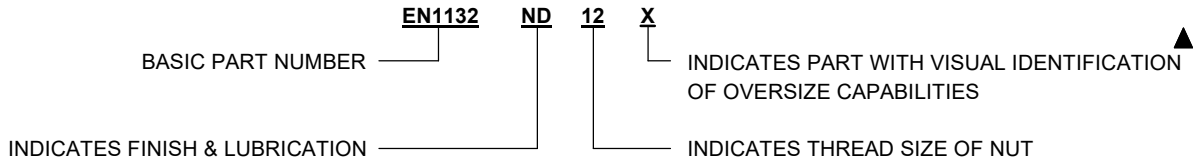
HEAT TREAT: AMS-H-6875 AND/OR AMS2759.

FINISH: PASSIVATE PER AMS2700, PLUS SOLID FILM LUBE PER AS5272, TYPE I, PLUS OPTIONAL CETYL ALCOHOL LUBRICANT.

PERFORMANCE: ENS1312.

- NOTES:  COLOR IDENTIFICATION:
 NUTS ARE IDENTIFIED WITH YELLOW PAINT WITHIN LOBE AREA AS SHOWN. ALL THREE LOBES SHALL BE COVERED WITH PAINT ON APPROXIMATELY 95% OF THE LOBE AREA OF EACH PART. OVERSPRAY PERMITTED ON EXTERIOR SURFACES.
2. DIMENSIONS APPLY AFTER PASSIVATION, BUT BEFORE LUBRICATION.
3. ALL EDDIE-BOLT® 2 NUTS MUST BE INSTALLED USING AN APPROPRIATE DELTA-RAD™ INSTALLATION TOOL.

EXAMPLE OF PART NUMBER



"EDDIE-BOLT" AND "DELTA-RAD" ARE TRADEMARKS OF HOWMET AEROSPACE INC. AND ITS SUBSIDIARIES.
 © 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
03FEB2000

CURRENT DESIGN ACTIVITY:

TITLE:

**EDDIE-BOLT® 2, NUT
SHEAR, LIGHTWEIGHT,**

CAGE CODE: 15653

REV. LETTER AND DATE:
V 13JUL2020



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

FOR USE ON STANDARD AND .0156 OVERSIZE PINS

SALES DRAWING No.

**EN1132ND(*)
EN1132ND(*)X**

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES & TO ASME Y14.5-2018 TOLERANCES: DECIMALS = ±.010; ANGLES = ±2°

FILED AS: S_EN1132ND()