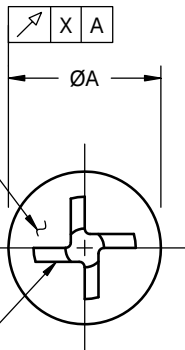


FED. SUPPLY CLASS

5305

HEAD MARKING PER NA0043,
TYPE III



OFFSET CRUCIFORM RECESS
PER NA0025 /10/

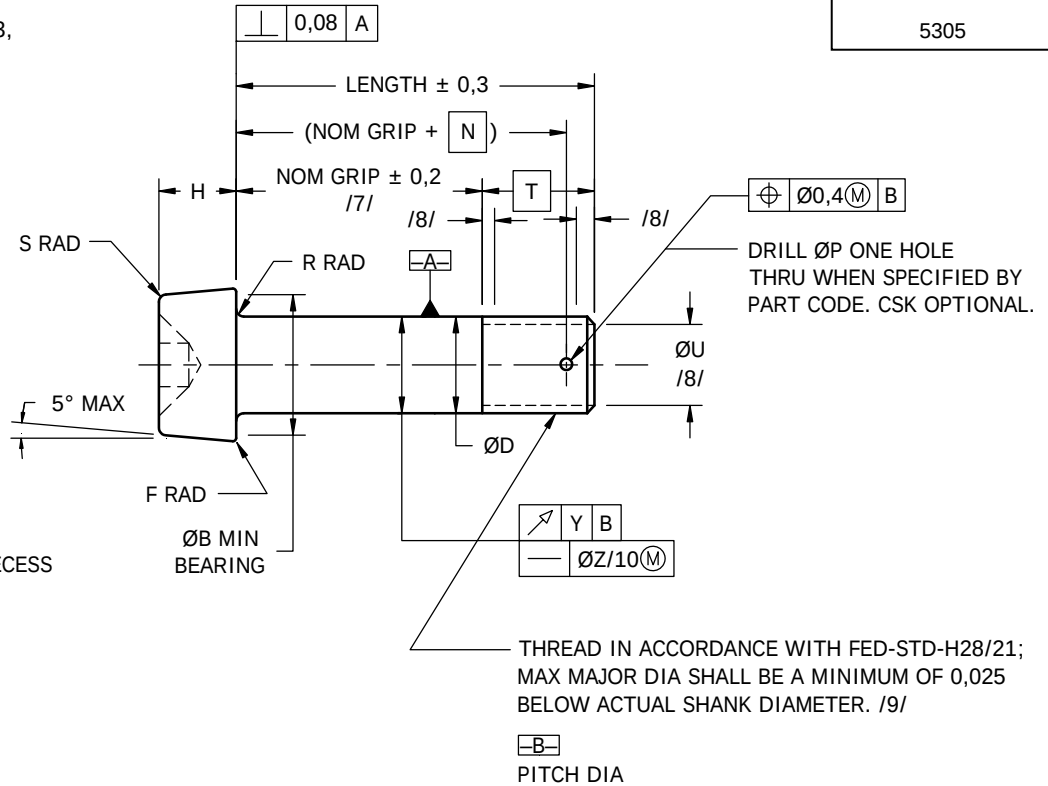


TABLE I – DIMENSIONS

DIA CODE	THREAD	ØA	ØB MIN BEARING	ØD	F RAD	H	N BASIC	ØP	R RAD	S RAD	T BASIC	ØU	X FIM	Y FIM	Z FIM
030	MJ3 x 0,5 - 4h6h	6,0 5,7	5,1	2,994 2,984	0,3 0,1	1,8 1,6	—	—	0,4 0,2	1,2 0,3	6,0	2,3 1,8	0,11	0,10	0,02
035	MJ3,5 x 0,6 - 4h6h	7,0 6,7	6,1	3,490 3,478	0,3 0,1	2,1 1,9	—	—	0,4 0,2	1,4 0,3	6,6	2,7 2,2	0,12	0,12	0,02
040	MJ4 x 0,7 - 4h6h	8,0 7,7	7,1	3,990 3,978	0,3 0,1	2,4 2,2	5,0	1,24 1,10	0,4 0,2	1,6 0,4	7,5	3,0 2,5	0,14	0,12	0,02
050	MJ5 x 0,8 - 4h6h	10,0 9,7	9,1	4,990 4,978	0,3 0,1	3,0 2,8	6,0	1,64 1,50	0,5 0,3	2,0 0,5	9,0	3,9 3,4	0,18	0,12	0,02
060	MJ6 x 1 - 4h6h	12,0 11,7	11,1	5,990 5,978	0,3 0,1	3,6 3,3	7,0	1,64 1,50	0,7 0,5	2,4 0,6	10,0	4,7 4,2	0,21	0,12	0,02
080	MJ8 x 1 - 4h6h	16,0 15,7	14,7	7,987 7,972	0,5 0,2	4,8 4,5	7,5	2,04 1,90	0,7 0,5	3,2 0,8	11,5	6,7 6,2	0,28	0,15	0,02
100	MJ10 x 1,25 - 4h6h	20,0 19,7	18,7	9,987 9,972	0,5 0,2	6,0 5,7	9,0	2,54 2,40	0,8 0,6	4,0 1,0	14,5	8,4 7,9	0,35	0,15	0,015

③ COMPLETELY REVISED

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	NA0026

CUSTODIAN	NATIONAL AEROSPACE STANDARDS COMMITTEE
TITLE	SCREW, CLOSE TOLERANCE, PAN HEAD, OFFSET CRUCIFORM RECESS, A286 CRES, 1100 MPa, METRIC

REVISION	3
CLASSIFICATION	PART STANDARD



Documents
SHEET 1 OF 5
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TABLE I – DIMENSIONS (CONTINUED)

DIA CODE	OFFSET CRUCIFORM RECESS	
	RECESS NO.	INSPECTION TORQUE Nm /10/
030	4	1,8
035	6	2,7
040	8	4,2
050	10	5,6
060	1/4	14
080	5/16	28
100	3/8	48

MATERIAL:

A286 CRES PER PROCUREMENT SPECIFICATION:

CRES – A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5731, AMS5732, AMS5737 OR AMS5853.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
660 MPa MINIMUM ULTIMATE SHEAR.

FINISH:

PASSIVATE PER AMS2700, METHOD 1, TYPE 1, CLASS 4.

CODE:

FIRST THREE NUMBERS INDICATE NOMINAL SHANK DIAMETER IN MILLIMETERS AND TENTHS AS TABULATED.
SECOND THREE NUMBERS DESIGNATE NOMINAL GRIP LENGTH IN MILLIMETERS AS TABULATED.
CODE LETTER "D" FOLLOWING BASIC PART NUMBER INDICATES DRILLED THREAD. /6/

EXAMPLES OF PART NUMBER:

NA0046-080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP
NA0046D080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; DRILLED THREAD
NA0046-090016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; 1 mm OVERSIZE SHANK

NOTES:

- (1) SURFACE TEXTURE: BEARING SURFACE OF HEAD, HEAD TO SHANK FILLET RADIUS, SHANK AND ALL THREAD ELEMENTS: 0,8 MICROMETERS Ra; ALL OTHER SURFACES: 3,2 MICROMETERS Ra PER ASME B46.1.
- (2) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2,0 (AIR = 1,0) FOR A FIELD STRENGTH H = 16 kA/m USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M, TEST METHOD 3.
$$(1 \text{ Oe} = \frac{1000}{4\pi} \text{ A/m})$$

REVISION
3
NA0046
SHEET 2

③ COMPLETELY REVISED



Documents
SHEET 2

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