

FED.SUPPLY CLASS

5305

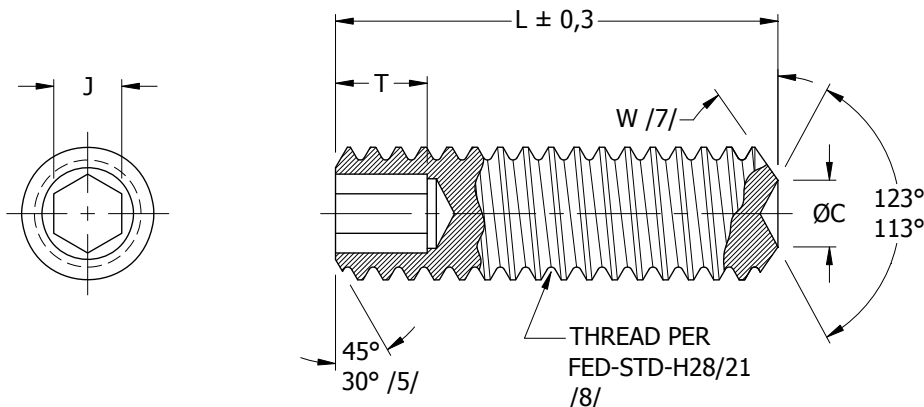
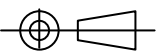


TABLE I – DIMENSIONS

DIA CODE	THREAD 4h6h	ØC	J /6/
016	MJ1,6 x 0,35	0,80 0,55	0,724 0,711
020	MJ2 x 0,4	1,00 0,75	0,902 0,889
025	MJ2,5 x 0,45	1,20 0,95	1,295 1,270
030	MJ3 x 0,5	1,40 1,15	1,545 1,520
040	MJ4 x 0,7	2,0 1,75	2,045 2,020
050	MJ5 x 0,8	2,5 2,25	2,560 2,520
060	MJ6 x 1	3,0 2,75	3,071 3,020
080	MJ8 x 1	5,0 4,7	4,084 4,020
100	MJ10 x 1,25	6,0 5,7	5,084 5,020
120	MJ12 x 1,25	8,0 7,64	6,095 6,020

③ COMPLETELY REVISED

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

3

PROCUREMENT
SPECIFICATION

NOTED

TITLE

**SETSCREW, HEXAGON SOCKET,
CUP POINT, A286 CRES, METRIC**

CLASSIFICATION
PART STANDARD

DA0162
SHEET 1 OF 3



Document Sharing Hub

MATERIAL:

A286 CRES PER PROCUREMENT SPECIFICATION.

HARDNESS:

35 - 42HRC.

FINISH:

PASSIVATE PER AMS2700, METHOD 1, TYPE 2 OR 8, CLASS 1.

CODE:

FIRST THREE NUMBERS DESIGNATE THREAD SIZE IN MILLIMETERS AS TABULATED IN TABLE I.
SECOND THREE NUMBERS DESIGNATE NOMINAL LENGTH IN MILLIMETERS IN INCREMENTS
AS TABULATED IN TABLE II.

EXAMPLE OF PART NUMBER:

NA0162-050008 = SETSCREW, MJ5 x 0,8 THREAD, 8 mm LONG.

NOTES:

- (1) SURFACE ROUGHNESS: THREAD SURFACES: 0,8 μ m MAX; ALL OTHER SURFACES: 3,2 μ m MAX PER ASME B46.1.
- (2) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M, TEST METHOD 3.
- (3) REMOVE ALL BURRS AND BREAK SHARP EDGES 0,1 TO 0,4. LOOSE CHIPS SHALL BE REMOVED FROM SOCKETS.
- (4) DIMENSIONS IN MILLIMETERS AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /5/ SOCKET END OF SCREW SHALL BE FLAT AND CHAMFERED. CHAMFER SHALL EXTEND TO THE MINOR DIAMETER OF THE THREAD AND THE EDGE BETWEEN FLAT AND CHAMFER SHALL BE SLIGHTLY ROUNDED. CHAMFER MAY BE OMITTED ON SCREWS HAVING A LENGTH EQUAL TO OR LESS THAN THEIR NOMINAL DIAMETER.
- /6/ HEXAGON SOCKET SHALL CONFORM TO ASME B18.3.6M.
- /7/ POINT CONE ANGLE "W" APPLIES ONLY TO THOSE PORTIONS OF THE CONE WHICH LIE INSIDE THE ROOT DIAMETER OF THE THREAD. ANGLE "W" EQUALS 45° TO 50° EXCEPT WHEN SCREW LENGTH IS LESS THAN NOMINAL SCREW DIAMETER, THEN "W" EQUALS 30° TO 35°.
- /8/ ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 22.
- (9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (10) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (11) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

REVISION

3

③ COMPLETELY REVISED



Documents
SHEET 2

Document Sharing Hub