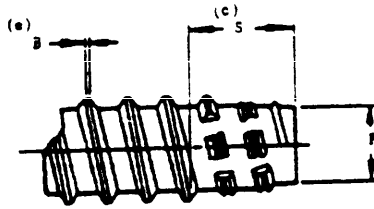
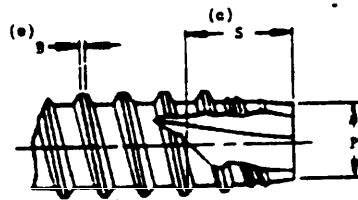




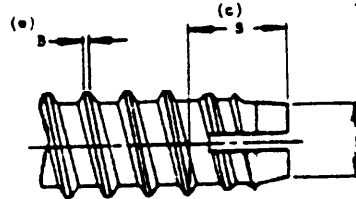
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TYPE BF OR FZ



TYPE BT OR 25



TYPE BO OR H

(d) OPTIONAL TYPES OF ENDS FOR THREAD CUTTING SCREWS

CARBON STEEL, SLOTTED HEAD SCREWS, THREAD FORMING, DASH NUMBERS FOR:

LENGTH	NO. 4		NO. 5		NO. 6		NO. 8		NO. 10		1/4"	
	DASH NO.	GRIP MIN.	DASH NO.	GRIP MIN.	DASH NO.	GRIP MIN.	DASH NO.	GRIP MIN.	DASH NO.	GRIP MIN.	DASH NO.	GRIP MIN.
3/16	2-1	.075	2-1	.115	6-4	.09L	8-6	.205	10-6	.168		
1/4	2-4	.115	2-4	.155	6-6	.119	8-8	.230	10-8	.183		
3/8	3-2	.155	3-2	.205	6-8	.164	8-10	.255	10-10	.208	14-10	.215
1/2					6-12	.219	8-12	.266	10-12	.219	14-12	.226
5/8					6-14	.271	8-14	.318	10-14	.271	14-14	.278
3/4					6-16	.323	8-16	.370	10-16	.323	14-16	.330
1					6-20	.375	8-20	.422	10-20	.375	14-20	.382
1 1/4					6-24	.427	8-24	.474	10-24	.427	14-24	.434
1 1/2							8-28	.526	10-28	.480	14-28	.487
2							8-32	.578	10-32	.531	14-32	.538
2 1/4							8-36	.630	10-36	.583	14-36	.590
2 1/2							8-40	.682	10-40	.635	14-40	.642

1. This drawing was prepared by joint action of the Air Force and Navy Departments at the Air Force Materiel Command, Dayton, Ohio. It is the property of the Air Force Materiel Command and is loaned to the user. It is not to be distributed outside the user's organization. The drawing is the property of the Air Force Materiel Command and is loaned to the user. It is not to be distributed outside the user's organization.

APPROVED 17 Jul 55 REVISED 17 Jul 57

PROCUREMENT SPECIFICATION

AIR FORCE-NAVY AERONAUTICAL STANDARD  
SCREW, TAPPING, THREAD FORMING OR  
THREAD CUTTING ROUND HEAD, SPACED THD

AN530

NOT  
 Government  
 the Government  
 use of any  
 in connection  
 with the  
 Government  
 or other  
 person  
 or corporation,  
 or conveying  
 any rights or  
 privileges  
 or immunities  
 thereunder.

- (a) MARK CORROSION-RESISTANT STEEL SCREWS, SIZES NUMBER 6 AND LARGER WITH DEPRESSED DASH.
- (b) THE GRIP LENGTH IS MEASURED FROM THE UNDERSIDE OF THE HEAD TO THE END OF THE FULL-THREADED PORTION OF THE SHANK. THE MINIMUM GRIP DIMENSIONS SHOWN IN THE DASH NUMBER TABLE ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.
- (c) TAPER LENGTH, S, IS 2 TO 2-1/2 TIMES THE PITCH OF THE THREAD.
- (d) SCREWS DESIGNATED AS THREAD FORMING HAVE PLAIN ENDS (NOT FLUTED OR SLOTTED). SCREWS DESIGNATED AS THREAD CUTTING HAVE FLUTED OR SLOTTED ENDS.
- (e) MAXIMUM CREST OF THREAD, B, UP TO AND INCLUDING SIZE NO. 8 EQUALS 0.004 INCH; MAXIMUM CREST OF THREAD OVER SIZE NO. 8 EQUALS 0.006 INCH. TAPERED THREADS HAVE UNFINISHED CRESTS.

MATERIAL: CARBON STEEL, CASE HARDENED, OR CORROSION-RESISTANT STEEL, TYPE L10, HARDENED.  
 FINISH: CARBON STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE I, CLASS 3.  
 CORROSION-RESISTANT STEEL, NONE.

ADD C BEFORE FIRST DASH NUMBER FOR CORROSION-RESISTANT STEEL SCREWS.  
 ADD F BETWEEN FIRST AND SECOND DASH NUMBERS FOR SCREWS WITH FLUTED OR SLOTTED ENDS. (THREAD CUTTING). IF R APPEARS IN THE CODING, ADD THE F IMMEDIATELY FOLLOWING THE R.  
 ADD R BETWEEN FIRST AND SECOND DASH NUMBERS FOR RECESSED HEAD SCREWS.

EXAMPLES OF PART NUMBERS:

- AN530-6-8 = NO. 6, CARBON STEEL, SLOTTED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
- AN530-6R8 = NO. 6, CARBON STEEL, RECESSED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
- AN530-6RF6 = NO. 6, CARBON STEEL, RECESSED HEAD, FLUTED OR THREAD CUTTING SCREW, 8/16 IN LENGTH.
- AN530C6-8 = NO. 6, CORROSION-RESISTANT STEEL, SLOTTED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
- AN530C6R8 = NO. 6, CORROSION-RESISTANT STEEL, RECESSED HEAD, THREAD FORMING SCREW, 8/16 IN LENGTH.
- AN530C6RF6 = NO. 6, CORROSION-RESISTANT STEEL, RECESSED HEAD, FLUTED OR THREAD CUTTING SCREW, 8/16 IN LENGTH.

SCREWS HAVING FIVE THREADS OR LESS MAY HAVE FINER PITCH THREADS, OR SHORTER POINTS, OR FINER PITCH THREADS AND SHORTER POINTS, AT THE OPTION OF THE PRODUCER.

SCREW MANUFACTURER'S DESIGNATIONS MAY BE INCLUDED ON THE SCREWS.

SCREWS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS OR SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES.

SUBJECT TO AND10087 LIMITATIONS, THE THREAD FORMING SCREWS SHOWN ON THIS DRAWING MAY BE USED WITH SPECIFICATION MIL-N-3337 SHEET SPRING NUTS.

SUBJECT TO AND10087 LIMITATIONS, THE SCREWS MAY BE USED AS TAPPING SCREWS WITH AND10325 HOLE SIZES AND AND10387 HOLE TOLERANCES.

APPROVED 10 Jan 55 REVISED 1 12 Jul 55(2) 17 Feb 59

PROCUREMENT SPECIFICATION MIL-N-3337	<b>AIR FORCE-NAVY AERONAUTICAL STANDARD</b> SCREWS, TAPPING, THREAD FORMING OR THREAD CUTTING, ROUND HEAD, SPACED THREAD	<b>AN530</b> SHEET 3
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