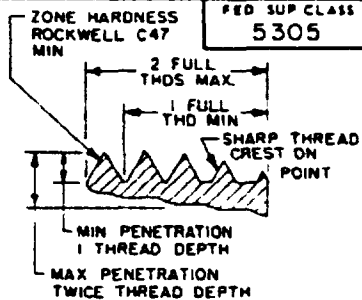
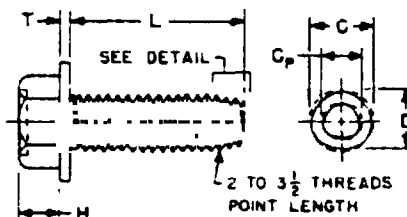


SHAPE OF INDENTATION OPTIONAL



DETAIL - HARDENED ZONE

FED SUP CLASS
5305

NOMINAL SIZE		250	375	500
THREADS PER INCH		20	16	13
F ACROSS FLATS	MAX	375	.562	.750
	MIN	367	.551	.735
C ACROSS CORNERS	MIN	409	.614	.820
H HEAD HEIGHT	MAX	.190	.295	.400
	MIN	.172	.270	.367
T WASHER THICKNESS	MAX	.050	.063	.085
	MIN	.030	.037	.050
W WASHER DIAMETER	MAX	520	780	1 040
	MIN	480	720	960
C DIAMETER	MAX	2550	3810	5075
	MIN	2490	3750	5015
C _P POINT DIAMETER	MAX	.206	.320	.433
D ACROSS CENTER	MAX	2460	3710	.4935
	MIN	2400	3650	.4875
TENSILE STRENGTH LBS-MIN		4 750	11 600	21 300
THREADED LENGTH	MAX	1 500	1 500	1 500
L LENGTH	TOL	DASH NUMBER		
.500	+ .000	1		
.625	- .030	2	12	
.750		3	13	23
.875		4	14	24
1 000	+ .000	5	15	25
1 250	- .050	6	16	26
1 500		7	17	27
1 750				28
2 000	+ .000			29
2 250	- .060			30

NOTES

- MATERIAL** Low alloy steel AISI 4037 in accordance with Fed Std. No. 66 having a minimum ultimate tensile strength of 150,000 PSI and a Rockwell Hardness of C32-38.
- PROTECTIVE COATING** Cadmium plated in accordance with QQ-P-416, Type II, Class 2 or MIL-C-81562, Type II, Class 2.
- THREADS** The threads shall be in accordance with the applicable requirements of the procurement specification.
- DIMENSIONS** All dimensions are in inches.
- PART NUMBER** The MS part number consists of the MS number, plus the dash number.
Example MS51871-1
- Referenced documents shall be of the issue in effect on date of invitations for bid.
- For design feature purposes this standard takes precedence over procurement documents referenced herein.
- The tribological condition shall be maintained throughout the useful length of the screw.

P A	WC	TITLE	MILITARY STANDARD
Other Code	SH 42	SCREW, TAPPING-HIGH PERFORMANCE, ZONE HARDENED STRUCTURAL THREAD ROLLING, HEXAGON WASHER HEAD	MS51871
PROCUREMENT SPECIFICATION	SUPSEDES		SHEET

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 29 SEP 1972 REVISED

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

REVIEWER AV, IS, MU, NS
USER AS, AT, MC, ME, OS, YD