

METRIC

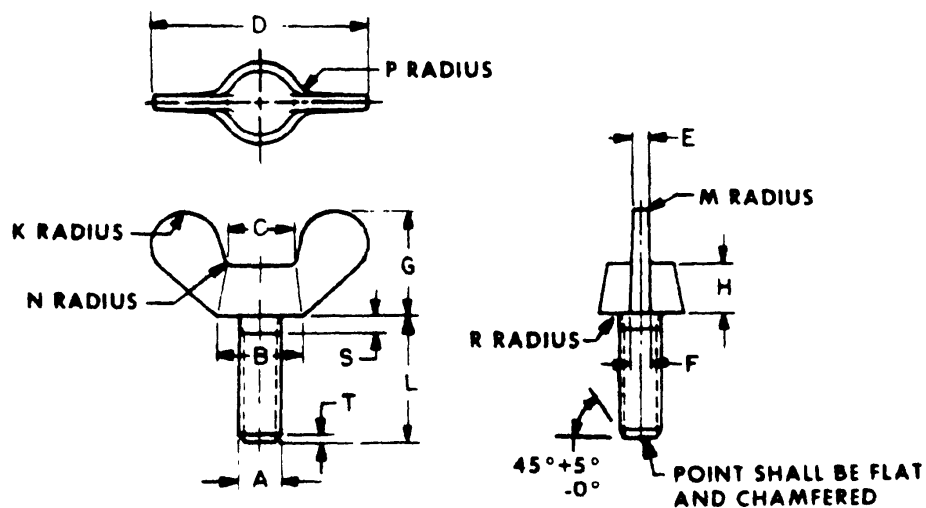
DOD-T-63549/1
7 September 1982

MILITARY SPECIFICATION SHEET

THUMBSCREW, WING HEAD, METRIC

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the thumb screws described herein shall consist of this specification and the latest issue of DOD-T-63549.



NOTES:

1. All dimensions are in millimeters.

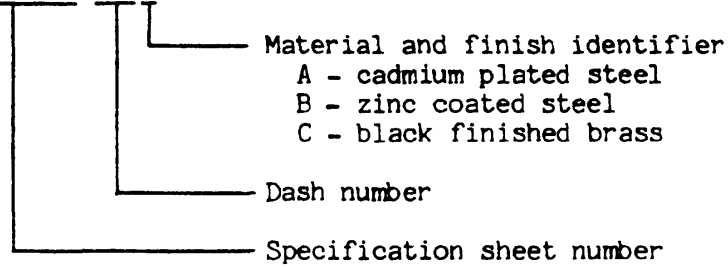
FIGURE 1. Design and dimensions.

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REQUIREMENTS:

1. Design and dimensions shall be in accordance with figure 1 and table I.
2. Material. Carbon steel, or brass (see applicable part number).
3. Part number. Consists of the letter "D" followed by the basic specification sheet number, a dash number taken from table II and suffix letter A, B, or C.

Example: D63549/1-001A



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TABLE I. Dimensions (mm).

A THD DIA AND PITCH	M2X0.4	M2.5X0.45	M3X0.5	M4X0.7	M5X0.8	M6X1	M8X1.25	M10X1.5	M12X1.75	M16X2	M20X2.5	M24X3
B	5 ±0.375	6 ±0.375	6 ±0.375	8 ±0.45	10 ±0.45	12 ±0.55	16 ±0.55	20 ±0.65	23 ±0.65	28 ±0.65	36 ±0.80	45 ±0.80
C	4 ±0.30	5 ±0.375	5 ±0.375	6 ±0.375	8 ±0.45	10 ±0.45	12 ±0.55	16 ±0.65	19 ±0.65	22 ±0.65	28 ±0.65	36 ±0.80
D	12 ±0.55	16 ±0.55	16 ±0.55	20 ±0.65	25 ±0.65	32 ±0.80	40 ±0.80	50 ±0.80	64 ±0.95	72 ±0.95	90 ±1.10	112 ±1.10
E	1 ±0.30	1.2 ±0.30	1.2 ±0.30	1.6 ±0.30	2 ±0.30	2.5 ±0.30	3 ±0.30	4 ±0.375	5 ±0.375	6 ±0.375	7 ±0.45	9 ±0.45
F	1.2 ±0.30	1.6 ±0.30	1.6 ±0.30	2 ±0.30	2.5 ±0.30	3 ±0.30	4 ±0.375	5 ±0.375	6 ±0.375	7 ±0.45	9 ±0.45	11 ±0.55
G	6 ±0.45	8 ±0.45	8 ±0.45	10 ±0.45	12 ±0.55	16 ±0.55	20 ±0.65	25 ±0.65	32 ±0.80	36 ±0.80	45 ±0.80	56 ±0.95
H	3 ±0.30	4 ±0.375	4 ±0.375	5 ±0.375	6 ±0.375	8 ±0.45	10 ±0.45	12 ±0.55	14 ±0.55	16 ±0.55	20 ±0.65	24 ±0.65
K	2 ±0.30	2.5 ±0.30	2.5 ±0.30	3 ±0.30	4 ±0.375	5 ±0.375	6 ±0.375	8 ±0.45	10 ±0.45	11 ±0.55	14 ±0.55	18 ±0.55
M	BREAK SHARP CORNER							1 ±0.30	1 ±0.30	1.2 ±0.30	1.6 ±0.30	2.5 ±0.30
N	0.5 MAX	0.5 MAX	0.5 MAX	0.5 MAX	0.5 MAX	1 ±0.30	1 ±0.30	1.2 ±0.30	1.2 ±0.30	1.6 ±0.30	2 ±0.30	3 ±0.30
P	1.2 ±0.30	1.6 ±0.30	1.6 ±0.30	2 ±0.30	2.5 ±0.30	3 ±0.30	4 ±0.375	5 ±0.375	6 ±0.375	7 ±0.45	9 ±0.45	11 ±0.55
R	0.1 MIN	0.1 MIN	0.1 MIN	0.2 MIN	0.2 MIN	0.3 MIN	0.4 MIN	0.4 MIN	0.6 MIN	0.6 MIN	0.8 MIN	0.8 MIN
S	1.2 MAX	1.35 MAX	1.5 MAX	2.1 MAX	2.4 MAX	3 MAX	4 MAX	4.5 MAX	5.3 MAX	6 MAX	7.5 MAX	9 MAX
T	0.6 MAX	0.7 MAX	0.8 MAX	1 MAX	1.2 MAX	1.5 MAX	1.8 MAX	2.2 MAX	2.5 MAX	3 MAX	3.5 MAX	4.5 MAX

TABLE II. Thread length and dash numbers.

L THREAD LENGTH	M2X0.4	M2.5X0.45	M3X0.5	M4X0.7	M5X0.8	M6X1	M8X1.25	M10X1.5	M12X1.75	M16X2	M20X2.5	M24X3
DASH NUMBERS												
3 ±0.30	001											
4 ±0.375	002	007	012									
6 ±0.375	003	008	013									
8 ±0.45	004	009	014	017	022	024						
10 ±0.45	005	010	015	018	023	030	037					
12 ±0.55	006	011	016	019	024	031	038					
16 ±0.55				020	025	032	039	046	053			
20 ±0.65				021	026	033	040	047	054	060		
25 ±0.65					027	034	041	048	055	061	066	
30 ±0.65					028	035	042	049	056	062	067	072
40 ±0.80						036	043	050	057	063	068	073
50 ±0.80							044	051	058	064	069	074
60 ±0.95							045	052	059	065	070	075
80 ±0.95											071	076

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Custodians:

Army - AR
Air Force - 99

Review activities:

Army - AV, EA
Air Force - 11
DLA - IS
NSA - NS

User activities:

Army - ME, AT
Navy - MC, SH

Agent:

DLA - IS

Preparing activity:

Army - AR

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NOTICE
OF VALIDATION

METRIC

DOD-T-63549/1
NOTICE 2
24 JUNE 1994

MILITARY SPECIFICATION

THUMBSCREW, WING HEAD, METRIC

DOD-T-63549/1 dated 05-MAY-88 has been reviewed and determined to be valid for use in acquisition.

Custodians:
Air Force - 99
Army - AR

Preparing activity:
DLA- IS

AMSC N/A

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