

INCH-POUND

MS21312B  
 5 August 2008  
 SUPERSEDING  
 MS21312A  
 29 August 1968

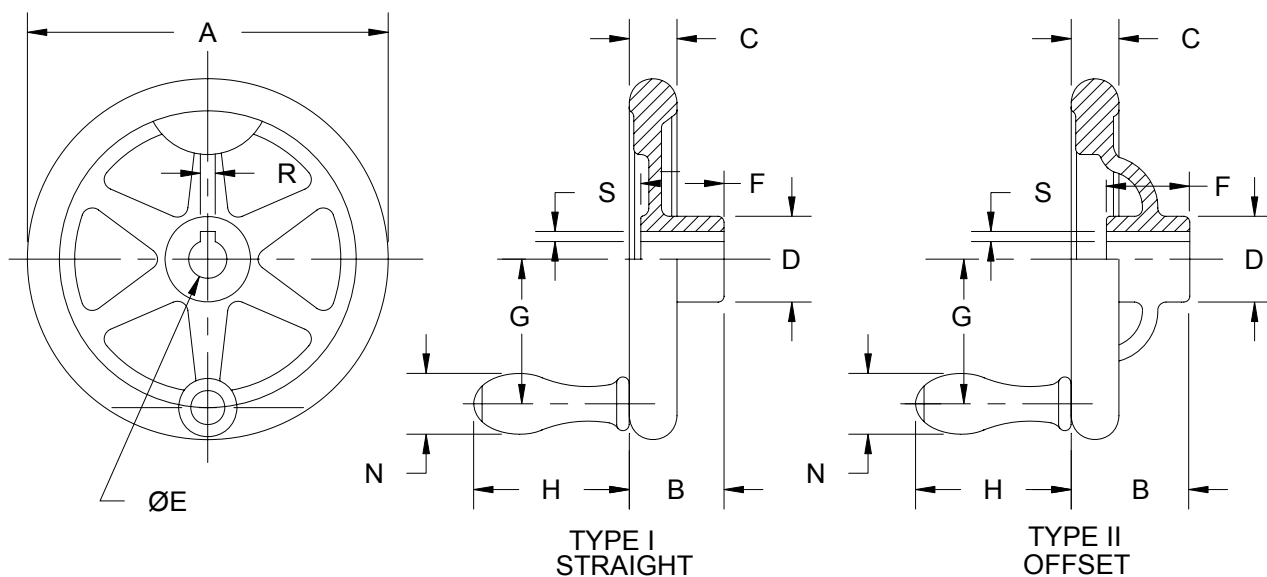
## DETAIL SPECIFICATION SHEET

## HANDWHEEL – REVOLVING HANDLE WITH KEYWAY

Inactive for new design after 31 JULY 1997

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

The requirements for acquiring the product described herein shall consist of this specification sheet and procurement specification MIL-H-9859 (Inactive for new design).

FIGURE 1. Handwheel.

## MS21312B

TABLE I. Dash numbers and dimensions

Dash No.	Type	A		B	C	D	ØE	F	G	H	N	R	S
		NOM	TOL	±.016	±.031	±.03	+ .002 - .000	±.016	±.062	NOM	±.03	+ .0020 - .0000	+ .0050 - .0000
1	II	4.00	±.03	1.500	.750	1.00	.375	1.000	1.562	2.062	.88	.0635	.0372
2	I	6.00	±.06	1.312	.875	1.50	.500	1.250	2.438	3.031	1.12	.0948	.0529
3	II	6.00		2.000	.875	1.50	.500	1.250	2.438	3.031	1.12	.0948	.0529
4	I	8.00		1.562	1.000	1.75	.625	1.500	3.375	3.281	1.19	.1260	.0685
5	II	8.00		2.375	1.000	1.75	.625	1.500	3.375	3.281	1.19	.1260	.0685
6	I	10.00	±.09	2.062	1.125	2.25	.625	2.000	4.312	3.281	1.19	.1260	.0685
7	II	10.00		3.000	1.125	2.25	.625	2.125	4.312	3.281	1.19	.1260	.0685
8	I	12.00		2.312	1.125	2.50	.750	2.250	5.312	4.188	1.38	.1260	.0685
9	II	12.00		3.250	1.125	2.50	.750	2.250	5.312	4.188	1.38	.1260	.0685
10	II	15.00	±.12	2.750	1.250	1.88	1.000	1.500	6.689	4.188	1.38	.1885	.0997

## NOTES

1. MATERIAL: Body - Aluminum alloy in accordance with procurement specification, MIL-H-9859.  
Handle – Aluminum alloy sleeve and steel stem in accordance with procurement specification, MIL-H-9859.
2. PROTECTIVE COATING: Aluminum alloy – Anodize in accordance with procurement specification, MIL-H-9859.  
Steel – Cadmium plate in accordance with procurement specification, MIL-H-9859.  
Follow with coating of plastisol in accordance with procurement specification, MIL-H-9859.
3. KEYWAY: R and S dimensions conform to NASM35756 for Woodruff Keys.
4. DIMENSIONS: All dimensions are in inches unless otherwise specified. Dimensions are before coating
5. PART NUMBER: The MS part number consists of the MS number plus the dash number.  
Example: MS21312-1.
6. For design purposes, this standard takes precedence over procurement documents referenced herein.
7. CHANGES FROM PREVIOUS ISSUE. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of changes.

Custodians:  
Army - AR  
Navy - OS  
Air Force - 99

Preparing activity:  
DLA – IS  
  
(Project 5340-2008-005)

Review activities:  
Army – AT, CR4, MI  
Navy – MC

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>