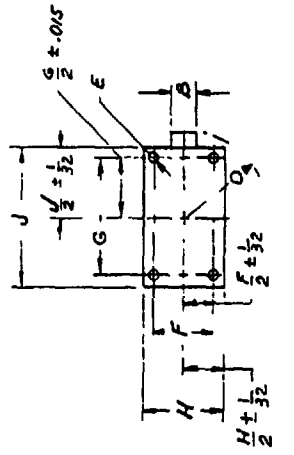


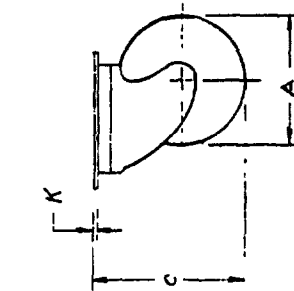
Users
WC, MO, CE

Reviewers
Army - GL
Navy - YD
Air Force - 11, 69
DSA-15

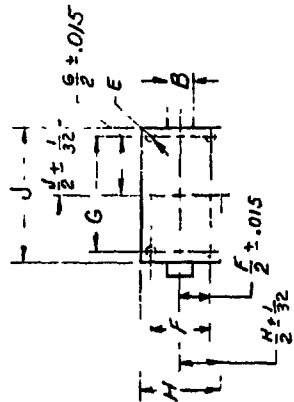
This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering design applications and for repetitive use shall be made from this document.



SWIVEL CASTER OFFSET



RIGID AND SWIVEL CASTER NONOFFSET



DIMENSIONS IN INCHES:

FOLLOWING NOTES APPLY TO MS PART NUMBER TABLE (SEE SHEET 2 & 3)

(a) DASH NUMBERS -8, -10, -12, &-16 DESIGNATE THE WHEEL SIZE AS DESIGNATED BY COLUMN "A".

THE FIRST DASH LETTERS DESIGNATE THE TYPE OF WHEEL AS FOLLOWS:
S - SINGLE
D - DUAL

THE SECOND DASH LETTERS DESIGNATE THE STYLE OF CASTER AS FOLLOWS:

R - RIGID
N - SWIVEL NONOFFSET
V - SWIVEL OFFSET

THE THIRD DASH LETTERS DESIGNATE THE TYPE TIRE AS FOLLOWS:

C - CURVED OR VULCANIZED ON TIRE
V - VULCANIZED DEMOUNTABLE TIRE

(b) ADDITIONAL DASH LETTERS SHALL BE ADDED TO CASTERS, WHEN REQUIRED, TO DESIGNATE THE FOLLOWING:
P - STEERING PROVISIONS
B - BRACKS INSTALLED

(c) THE "B" TREAD WIDTH IS THE WIDTH OF EACH WHEEL ON THE CASTER, WHETHER THE CASTER IS OF SINGLE OR DUAL WHEEL CONSTRUCTION.

(d) APPLIES TO OFFSET SWIVEL CASTERS ONLY.

EXAMPLE OF PART NUMBER: MS27149-10SNVP; SIZE 10, SINGLE WHEEL NONOFFSET SWIVEL, VULCANIZED DEMOUNTABLE TIRE, STEERING PROVISIONS.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

(B) For changes see sheets 1, 2, AND 3 Sheet 4 deleted.

APPROVED 31 SEP 61 REVISED(A) 19 NOV. 1962 (B) 3 SEP 65

P A Air Force - 11 Other Cust Air Force - 11 Army - WC Navy - YD	TITLE	MILITARY STANDARD
	CASTERS, RIGID AND SWIVEL, PRECISION, HEAVY DUTY	MS 27149
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 3
MIL-C-4791	MS21375	

Users
MC, MO, CE

Reviewers
Army - CL
Navy - YD
Air Force - 11, 69
ISA-15

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P A Air Force - 11		TITLE		FED SUP CLASS										
Other Cust Air Force - 11 Army-MC Navy-YD		CASTERS, RIGID AND SWIVEL, PRECISION, HEAVY DUTY		5340										
PROCUREMENT SPECIFICATION		SUPERSEDES		SHEET										
WD-6-4751		MS24375		2										
MS PART NO. (a)	A WHEEL DIA. "MIN."	B STYLE CASTER	C TYPE WHEEL	D TIRE TIRE	E RATED LOAD LBS. (MIN)	F CASTER WEIGHT MAX. LBS.	G TREAD WIDTH AT BASE OF TIRE ± .1/16	H OVERALL HEIGHT ± 1/4	I D (c) SWIVEL CLEARANCE MAX. MIN.	J DIA. OF BOLT HOLES ± .004	K BOLT HOLES SPACING ± .010	L TOP PLATE WIDTH MAX.	M TOP PLATE LENGTH MAX.	N TOP PLATE THICKNESS AT BOLT HOLE MAX.
MS27149-SSRC	8	RIGID	SINGLE	CURED ON	560	30	2-1/2	10-1/2	6-1/2	.656	6.750	7	8-1/2	3/4
MS27149-SSRV		DEMOUNTABLE												
MS27149-SSNC		NONOFFSET SWIVEL												
MS27149-SSNV		OFFSET SWIVEL												
MS27149-SSRC	8	RIGID	DUAL	CURED ON	795	45	2-1/2	10-1/2	6-1/2	.656	6.750	7	8-1/2	3/4
MS27149-SSRV		DEMOUNTABLE												
MS27149-SSNC		NONOFFSET SWIVEL												
MS27149-SSNV		OFFSET SWIVEL												
MS27149-10SRC	10	RIGID	SINGLE	CURED ON	890	35	3	12-3/4	9-3/4	.656	6.750	7	8-1/2	3/4
MS27149-10SRV		DEMOUNTABLE												
MS27149-10SNC		NONOFFSET SWIVEL												
MS27149-10SNV		OFFSET SWIVEL												
MS27149-10SRC	10	RIGID	DUAL	CURED ON	1120	50	3	12-3/4	9-3/4	.656	6.750	7	8-1/2	3/4
MS27149-10SRV		DEMOUNTABLE												
MS27149-10SNC		NONOFFSET SWIVEL												
MS27149-10SNV		OFFSET SWIVEL												

APPROVED 14 Sep 61 REVISED 3 For change see sheets 1, 2, AND 3

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

Reviewers
Army - GL
Navy - YD
Air Force - 11, 69
ESA-25

Users
WC, MO, CE

P A Air Force - 11		TITLE		MILITARY STANDARD																																																
Other Cust Air Force - 11 Army - WC Navy - YD		CASTERS, RIGID AND SWIVEL, PRECISION, HEAVY DUTY		MS 27149																																																
PROCUREMENT SPECIFICATION MIL-C-4751		SUPERSEDES MS24375		SHEET 3																																																
MS PART NO. (a)	WHEEL DIA. "NOH."	STILE CASTER	TYPE WHEEL	TYPE TIME	RATED LOAD LBS. (MIN)	CASTER WEIGHT MIL. LBS.	THREAD WIDTH (b) AT BASE OF TIRE ± 1/16 ± 1/4	C OVERALL HEIGHT ± 1/4	D (c) SWIVEL CLEARANCE MIN. MAX.	DIA. OF BOLT HOLES ± .004	BOLT HOLES SPACING ± .010	BOLT HOLES SPACING ± .010	TOP PLATE WIDTH MAX.	TOP PLATE LENGTH MAX.	TOP PLATE THICKNESS AT BOLT HOLES MAX.																																					
																A	B	C	D	E																																
MS27149-12SRC	12	RIGID	SINGLE	CURED ON	990	90	3	11-3/4	11-1/2	.656	6.750	6.750	7	8-1/2	3/4																																					
MS27149-12SRV		NONOFFSET SWIVEL		DEMOUNTABLE												DEMOUNTABLE																																				
MS27149-12SRV		OFFSET SWIVEL		DEMOUNTABLE												DEMOUNTABLE																																				
MS27149-12SRC		RIGID		DUAL												CURED ON	1280	70	4	19-1/2	15	.656	9.750	9.750	9	11	3/4																									
MS27149-12SRV		NONOFFSET SWIVEL														DEMOUNTABLE												DEMOUNTABLE																								
MS27149-12SRV		OFFSET SWIVEL														DEMOUNTABLE												DEMOUNTABLE																								
MS27149-12SRC		RIGID														SINGLE												CURED ON	1660	70	4	19-1/2	15	.656	9.750	9.750	9	11	3/4													
MS27149-16SRV		NONOFFSET SWIVEL																										DEMOUNTABLE												DEMOUNTABLE												
MS27149-16SRV		OFFSET SWIVEL																										DEMOUNTABLE												DEMOUNTABLE												
MS27149-16SRC		RIGID																										DUAL												CURED ON	2440	120	4	19-1/2	15	.656	9.750	9.750	9	11	3/4	
MS27149-16SRV		NONOFFSET SWIVEL																																						DEMOUNTABLE												DEMOUNTABLE
MS27149-16SRV		OFFSET SWIVEL																																						DEMOUNTABLE												DEMOUNTABLE
MS27149-16SRC	RIGID	SINGLE	CURED ON		2440	120	4	19-1/2	15	.656	9.750	9.750	9	11	3/4																																					
MS27149-16SRV	NONOFFSET SWIVEL		DEMOUNTABLE																																					DEMOUNTABLE												
MS27149-16SRV	OFFSET SWIVEL		DEMOUNTABLE																																					DEMOUNTABLE												

(B) NOTE - Deleted

APPROVED 24 Sep 61 REVISED (B) For changes see sheets 1, 2, AND 3

FED SUP CLASS
5340