INCH-POUND

MS35759C
23 January 2008
SUPERSEDING
MS357589B
18 March 1971

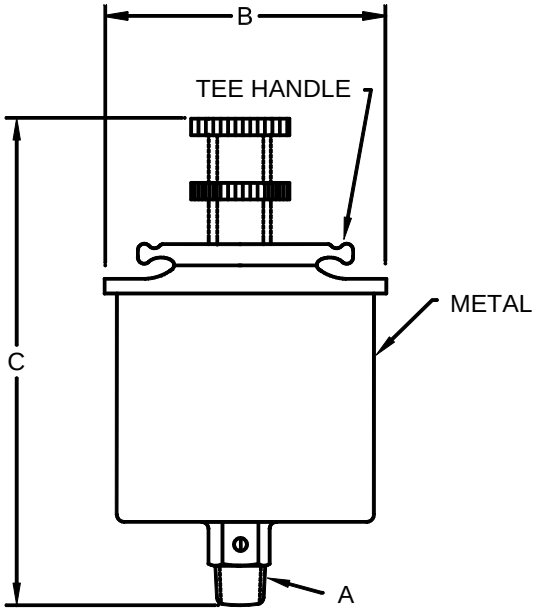
DETAIL SPECIFICATION SHEET

CUPS, GREASE, AUTOMATIC FEED

Inactive for new design after 5 April 1999.

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

The requirements for this product described herein shall consist of this specification sheet and MIL-C-1213.

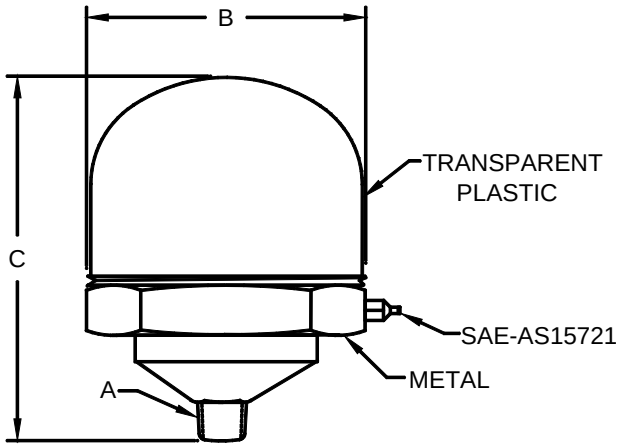


Dash number	Grease capacity ounce	A thread	B max OD	C max overall length
-1	.33	.125 -27 NPT	1.344 (34.14)	3.250 (82.55)
-2	1.0	.250 -18 NPT	1.812 (46.02)	4.250 (107.95)
-3	1.5	.250 -18 NPT	2.000 (50.80)	4.875 (123.83)
-4	3	.375 -18 NPT	2.750 (69.85)	6.125 (155.58)
-5	4	.500 -14 NPT	3.188 (80.98)	7.250 (184.15)

FIGURE 1. Grease cup, automatic feed, T-handle, dimensions and configuration.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, the tolerance for 3 place decimals is ± .005 inch (0.13 mm).
4. Threads shall be in accordance with FED-STD-H28/7 and ASME-B1.20.1.
5. The illustration is for identification only and is not intended to restrict design or shapes not dimensioned.

FIGURE 1. Grease cup, automatic feed, T-handle, dimensions and configuration - Continued.



Dash number	Grease capacity ounce	A thread	B max OD	C max overall length
-6	-2	.250 -18 NPT	1.750 (44.45)	1.625 (41.28)
-7	-4	.375 -18 NPT	2.250 (57.15)	1.875 (47.63)
-8	-10	.375 -18 NPT	3.500 (88.90)	2.500 (63.50)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, the tolerance for 3 place decimals is ± .005 inch (0.13 mm).
4. Threads shall be in accordance with FED-STD-H28/7 and ASME-B1.20.1.
5. The illustration is for identification only and is not intended to restrict design or shapes not dimensioned.

FIGURE 2. Grease cup, automatic feed, dimensions and configuration.

REQUIREMENTS:

Automatic feed grease cups shall be specified on figures 1, 2 and tables I and II.

Materials shall be specified in table I.

TABLE I. Materials.

Material	Form	Specification	Alloy
Aluminum	Plate and sheet	SAE-AMS-QQ-A-250/4	2024
Brass	Bars	ASTM-B16/B16M ASTM-B36/B36M ASTM-B121/B121M ASTM-B124/B124M	260, 268, or 360
	Castings	ASTM-B61 ASTM-B62 ASTM-B148 ASTM-B176 ASTM-B271 ASTM-B369 ASTM-B427 ASTM-B505/B505M ASTM-B584 ASTM-B763 ASTM-B770 ASTM-B806 SAE-AMS4842 SAE-AMS4845 SAE-AMS4855 SAE-AMS4860 SAE-AMS4862 SAE-AMS4890	As applicable
Low carbon steel	Bars and forgings	SAE-AMS-STD-66	In accordance with, any standard composition.
Zinc	Castings	ASTM B86	3 (UNS Z33520) or 5 (UNS Z35531)

Plastic shall be in accordance with ASTM-D707, CAB0231F053, CAB0232F053, CAB0241F053, or CAB0242F053

Leather washer.

The leather shall be made from cattle hides. The leather shall be tanned with chromium salts (mineral-tanned) without the use of vegetable tanning materials. No degreasing shall be employed after the normal tanning process.

Leather shall be treated with a fungicidal agent in accordance with MIL-DTL-32068 to render the material fungus-resistant.

Rubber shall be in accordance with ASTM-D2000 chloroprene polymers (neoprene), cm (BC) and shall be fluid resistance in oils and lubricants.

Spring materials.

Spring shall be steel in accordance with SAE-AMS-QQ-W-428, type II or ASTM-A227/A227M, class 2.

Plating finish designators shall be specified in table II.

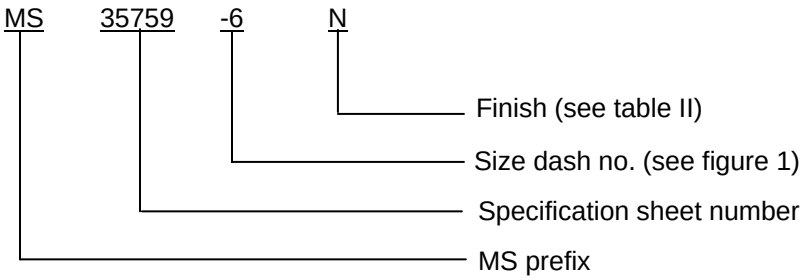
TABLE II. Plating finish identification codes. 1/

PIN code plating finish	Material	Plating finish
C	Steel	Cadmium plating in accordance with SAE-AMS-C-81562, type II, class 3 or SAE-AMS-QQ-P-416, type II, class 2, 2/
F	Steel	NAVAIR trivalent chromium pretreatment (TCP) in accordance with MIL-DTL-5541, type II, class 1a.
H	Steel	Zinc phosphate finish in accordance with MIL-DTL-16232 type Z, class1. 3/
J	Steel	Zinc plating in accordance with ASTM-B633; type II or III, Fe/Zn 5, or ASTM-B695, type II, class 5
N	Steel	Zinc plating in accordance with ASTM-B633; type VI, Fe/Zn 5,
P	Steel	Aluminum-nickel in accordance with ASTM-F1136, grade 3, NC.
V	Steel	Zinc-nickel in accordance with SAE-AMS2417, type 1

1/ Finished product shall be shall be capable of withstanding minimum of 96 hours salt spray.
2/ Embitterment test need not be run.
3/ Hexavalent chromium free.

Trivalent wrenchability. This term is used to evaluate the ability of the finish to withstand abrasion from excessive amount of wrenching. Where wrenchability is poor, the need to touch-up the finish is needed, brush plating of hard chromium by electrodeposition shall be in accordance with SAE-AMS-2451/5 and brush plating of medium-hardness, low stress nickel by electrodeposition shall be in accordance with SAE-AMS-2451/9.

Part or Identifying Number (PIN): (The PIN covers the complete item with nuts and sleeves.)



Example of a PIN: M35759-6R, is an automatic grease cup feed that holds 2 ounces of grease and is zinc plated in accordance with ASTM-B633; type VI, Fe/Zn 5.

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 the changes.

Guidance on use of alternative parts with less hazardous or nonhazardous materials. This specification provides for a number of alternative plating materials via the PIN. Users should select the PIN with the least hazardous material that meets the form, fit and function requirements of their application.

Referenced documents. In addition to MIL-C-1213, this document references the following:

FED-STD-H28/7	ASTM-B271	SAE-AMS-QQ-P-416
MIL-DTL-5541	ASTM-B369	SAE-AMS-QQ-W-428
MIL-DTL-16232	ASTM-B427	SAE-AMS-STD-66
MIL-DTL-32068	ASTM-B505/B505M	SAE-AMS2417
ASTM-A227/A227M	ASTM-B584	SAE-AMS4842
ASME-B1.20.1	ASTM-B633	SAE-AMS4845
ASTM-B16/B16M	ASTM-B695	SAE-AMS4855
ASTM-B36/B36M	ASTM-B763	SAE-AMS4860
ASTM-B61	ASTM-B770	SAE-AMS4862
ASTM-B62	ASTM-B806	SAE-AMS4890
ASTM B86	ASTM-D707	SAE-AMS-2451/5
ASTM-B121/B121M	ASTM-D2000	SAE-AMS-2451/9
ASTM-B124/B124M	ASTM-F1136	SAE-AS15721
ASTM-B148	SAE-AMS-QQ-A-250/4	
ASTM-B176	SAE-AMS-C-81562	

CONCLUDING MATERIAL

Custodians:
Army - AR
Navy - SH
Air Force - 99
DLA - CC

Preparing activity:
DLA-CC

(Project 4730-2007-110)

Review activities:
Army - AT
Navy - AS
Air Force - 71

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.