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REV.
B

MA4248™

FEDERAL SUPPLY CLASS
5340

RATIONALE

CORRECT DIMENSIONAL ERROR IN VIEW Z. CLARIFY O-RING REQUIREMENTS FOR CODE LETTER D.

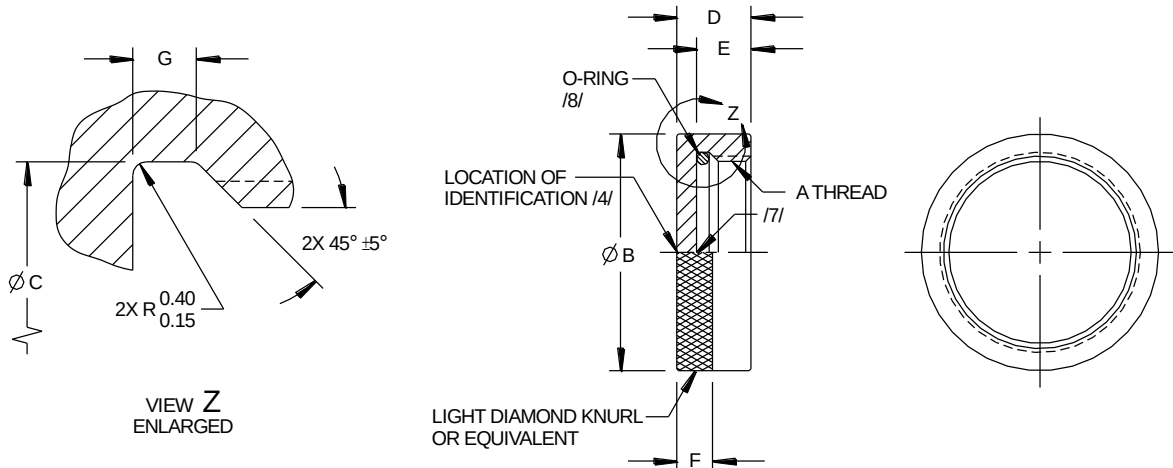


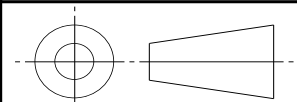
FIGURE 1 - CAP ASSEMBLY

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NUMBER MA4248	TUBE SIZE DN	A THREAD MA1370 -4H5H	ØB ±0.5	ØC +0.25 -0.05	D ±0.30	E ±0.25	F ±0.4	G +0.25 0	O-RING SIZE /8/	WEIGHT KG/1000 PCS APPROX REF
/15/ SIZE CODE	/1/									
05	05	MJ10 X 1	15.9	10.65	7.60	4.78	4.0	1.78	011	3.217
06	06	MJ12 X 1.25	17.5	12.45	8.40	5.67	4.0	1.78	012	3.994
08	08	MJ14 X 1.5	19.5	14.50	9.40	6.63	5.0	1.78	013	5.264
10	10	MJ16 X 1.5	22.2	17.00	9.65	6.89	5.0	1.78	015	6.777
12	12	MJ18 X 1.5	23.7	18.60	9.90	7.01	5.0	1.78	016	7.520
14	14	MJ20 X 1.5	25.4	20.50	9.90	7.01	5.0	1.78	017	8.232
16	16	MJ22 X 1.5	27.0	21.95	9.90	7.19	5.0	1.78	018	8.802
18	18	MJ24 X 1.5	30.2	24.95	9.90	6.66	5.0	1.78	020	11.628
20	20	MJ27 X 1.5	33.2	28.10	10.40	7.60	5.0	1.78	022	13.396
22	22	MJ30 X 1.5	35.6	30.50	10.40	7.50	5.0	1.78	023	14.737
25	25	MJ33 X 1.5	38.1	33.50	10.40	7.55	5.0	1.78	025	15.814
28	28	MJ36 X 1.5	41.3	36.50	10.40	7.85	5.0	1.78	027	17.390
32	32	MJ39 X 1.5	44.5	39.60	10.40	8.36	5.0	2.62	126	18.165

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/MA4248B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE



METRIC AEROSPACE STANDARD

CAP ASSEMBLY, PROTECTIVE CLOSURE
BEAM SEAL FITTING, LOW PRESSURE, METRIC

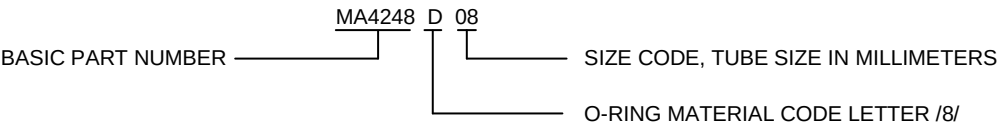
MA4248™
SHEET 1 OF 2

REV.
B

Documents

NOTES

- /1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.
- 2 MATERIAL: TYPE 2024-T4 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4120, OR TYPE 2024-T351 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6.
3. FINISH: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYE RED OR BLUE /8/.
- /4/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B.
- a. FOR SIZES 06 AND SMALLER: MARK MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTER "MA", AND MATERIAL CODE LETTER.
- b. FOR SIZES 08 AND LARGER: MARK MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, AND MATERIAL CODE LETTER.
5. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.
6. INTENDED USE: THIS CAP ASSEMBLY IS INTENDED FOR USE AS A PROTECTIVE CLOSURE FOR BEAM SEAL END FITTINGS PER MA2273 FOR TRANSIT AND STORAGE AT 140 KPA MAXIMUM INTERNAL PRESSURE.
- /7/ DRILL POINT PERMISSIBLE TO 1.00 MINIMUM WALL THICKNESS.
- /8/ CODE LETTER FOR O-RING AND FINISH COLOR:
- a. CODE LETTER D: O-RING PER AS83461/1 (COMPOUND PER AMS-P-83461) FOR USE WITH MIL-PRF-5606 OR MIL-PRF-83282 HYDRAULIC FLUIDS - RED COLOR ANODIZE.
- b. CODE LETTER B: O-RING PER NAS1611 (COMPOUND PER NAS1613) FOR USE WITH SKYDROL AND OTHER PHOSPHATE ESTERS - BLUE COLOR ANODIZE.
9. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.
10. INTERPRETATION OF DRAWING PER MAP4296.
11. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 3.2 MICROMETERS Ra.
12. BREAK EDGES 0.08 TO 0.38, UNLESS OTHERWISE SPECIFIED.
13. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982.
14. DIMENSIONS ARE IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.25 , ANGULAR DIMENSIONS $\pm 0^{\circ}30'$.
- /15/ EXAMPLE OF PART NUMBER:



	METRIC AEROSPACE STANDARD	MA4248™ SHEET 2 OF 2	REV. B
	CAP ASSEMBLY, PROTECTIVE CLOSURE BEAM SEAL FITTING, LOW PRESSURE, METRIC		



Documents

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