

MIL-DTL-25677/1
11 December 1998
SUPERSEDING
MS24476 Rev D
30 April 1984

DETAIL SPECIFICATION SHEET

ADAPTER, PRESSURE LUBRICATING OIL SERVICING, AIRCRAFT

This specification 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 and MIL-DTL-25677.

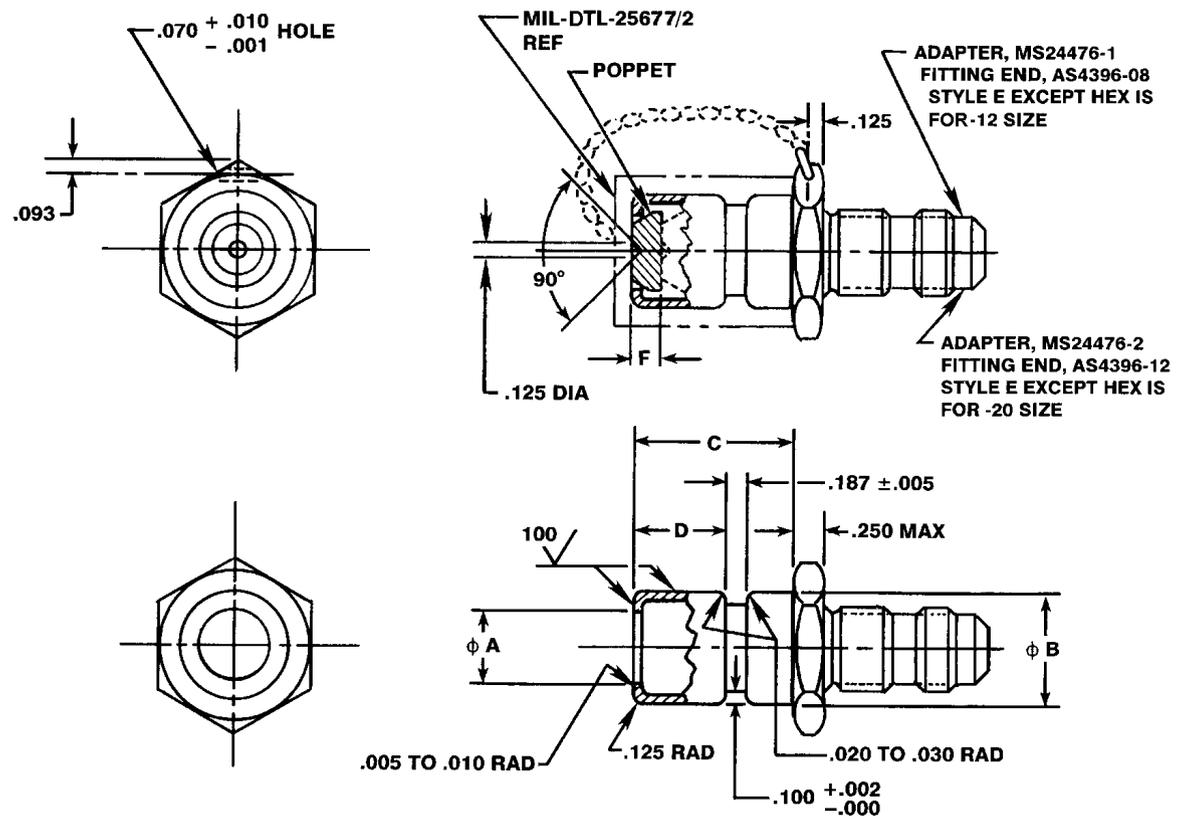


FIGURE 1. Adapter.

TABLE I. Dimensions, weight, flow rate, and pressure drop.

Part number	Tubing OD	A +.002 -.000	B +.002 -.000	C +.007 -.005	D ± .002	F +.031 -.000	Weight MAX lb	When used with MIL-DTL-25677/3		
								Nozzle Part number	Flow rate MIN with -45°F oil (gpm)	Press drop MAX (psi)
MS24476-1	.500	.580	1.000	1.212	.687	.219	.25	MS24475-1	1.0	35
MS24476-2	.750	.812	1.438	1.562	1.000	.500	.50	MS24475-2	1.0	20

REQUIREMENTS:

1. The adapter shall be in accordance with figure 1 and table I.
2. Dimensions A and B shall be concentric within .001 FIM. Poppet shall not extend beyond face of adapter.
3. Material: see acquisition specification.
4. Finish: see acquisition specification.
5. Remove burrs and break sharp edges .016 maximum radius.

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances: decimals ± .010; angles ± 1°.
2. Dimension F is measured from face of adapter.
3. Designed for use with synthetic lubricating and preservative oil. For installation, clearance shall be allowed for maximum overall dimensions shown for cap and adapter.
4. The MS24476 part numbers have been retained.
5. Certain provisions (all requirements within the cap phantom envelope) of this specification sheet are the subject of international standardization agreements ABC AIR STDs and NATO STANAG 3595. When revision of this standard is proposed, the departmental custodian will inform their respective departmental standardization office so that appropriate action may be taken respecting the international agreement concerned.
6. For design feature purposes, this specification sheet takes precedence over the acquisition document referenced herein.

CONCLUDING MATERIAL

Custodians:
Air Force - 99
Navy - AS

Preparing activity:
DLA - CC

(Project 4730-0872)

Review activity:
Air Force - 82