

REVISIONS

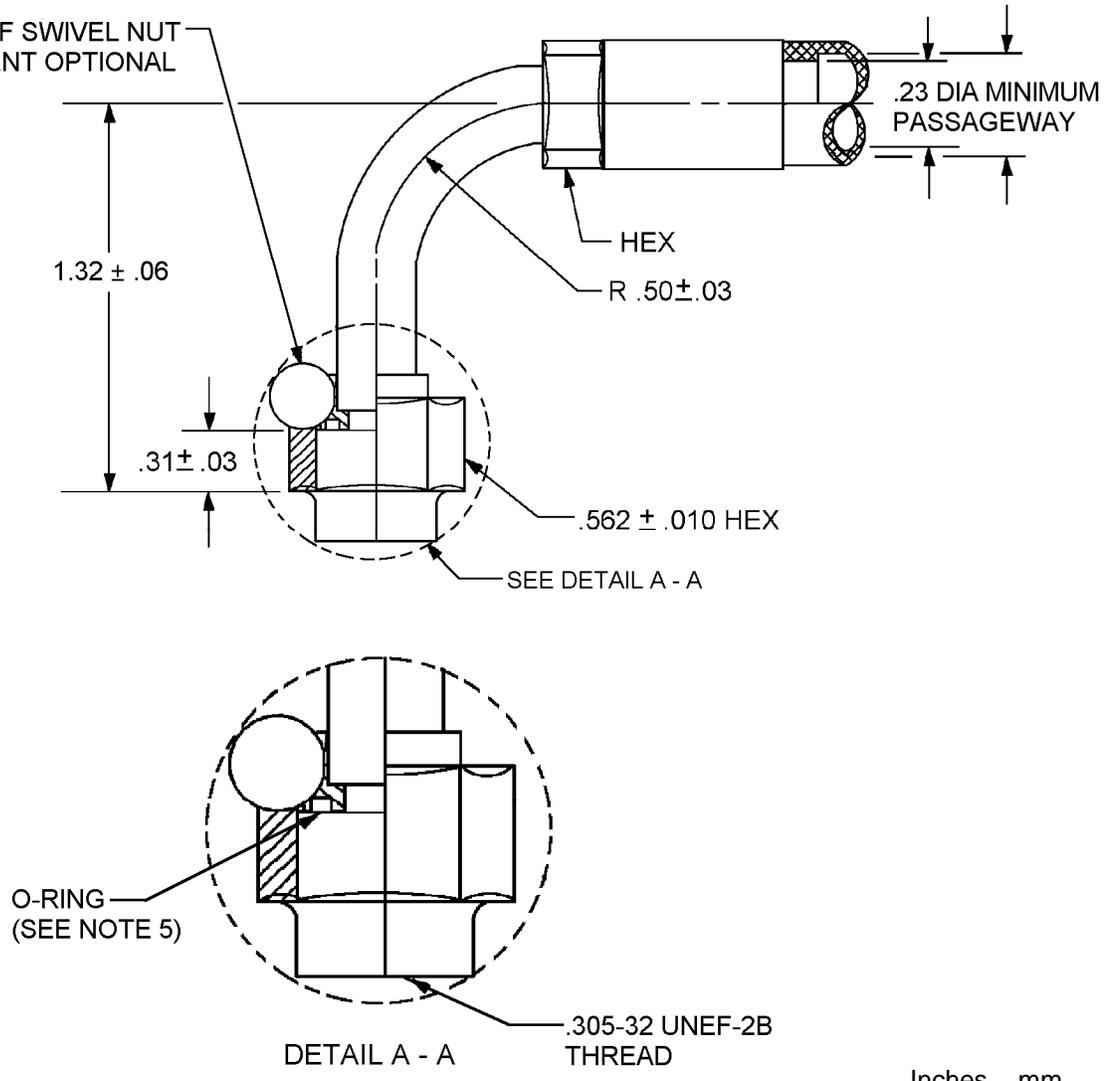
LTR	DESCRIPTION	DATE	APPROVED
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Prepared in accordance with ASME Y14.100

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PAGE																			
REV STATUS OF PAGES	REV																		
	PAGE	1	2	3	4	5													
PMIC N/A	PREPARED BY William Carpenter					DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO 43218-3990													
Original date of drawing 15 August 2007	CHECKED BY Ernest Brown					TITLE FITTING, FEMALE, SWIVEL, 90° NIPPLE, ADAPTER, HOSE TO TUBE, SAE J1453 TYPE, PNEUMATIC													
	APPROVED BY Abdonasser M. Abdouni																		
	SIZE A	CAGE CODE 037Z3					DWG. NO.				07007								
	REV					PAGE		1	OF		5								

METHOD OF SWIVEL NUT ATTACHMENT OPTIONAL



Inches	mm
.03	0.8
.010	1.3
.06	1.5
.23	5.8
.31	7.9
.50	12.7
.562	14.27
1.32	33.5

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances for 2 place decimals is ± 0.01 inch (0.3 mm).
4. Remove all burrs and sharp edges.
5. Face O-Ring: SAE-J515, type HK.

FIGURE 1. Adapter, 90°, SAE-J1453 type dimensions and configuration.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE A	CAGE CODE 037Z3	DWG NO. 07007
		REV	PAGE 2

REQUIREMENTS: Similar to SAE-J1453, except as specified herein.

Dimensions and configurations: See figure 1.

O-Ring is located in the female connector in of lieu normal male connector.

Intended use. This item shall not be procured for stocking purposes. This part is a component of 07006 hose assembly.

Qualification: Not required

Socket, nipple, and tube material: Metal used for the socket, nipple, and tube shall be as specified in table I.

TABLE I. Fitting material.

Material	Type	Specification	Alloy
Steel	Bars	ASTM A108	1018, 1020, 1137, 1144, 12L14
		SAE-AMS-S-6758	4130
	Forgings	SAE-AMS6382	4130
		SAE-AMS6370	4130
	Tubing	SAE-AMS6360	4130
		SAE-AMS6361	
		SAE-AMS6362	4140
		SAE-AMS6381	

B-nut material: Type 360 copper alloy in accordance with ASTM B16/B 16M, ASTM B138 or SAE-AMS 4610.

Threads .305-32 UNEF-2B.

Size:

Connector size: -4

Hose size: -6.

Finish: Not applicable.

Hose assembly testing: Tested as part of DSCC drawing 07006.

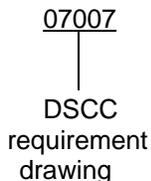
Workmanship. Adapters shall be free from cracks, laps, seams, burrs, longitudinal and spiral tool marks, or any other defects that may detrimentally affect their intended use.

Marking: The adapter shall be marked with the DSCC drawing Part or Identifying number (PIN), the manufacturers name or CAGE code, and the production date code in accordance with MIL-STD-130. The marking shall be permanent and legible in accordance with MIL-STD-130.

Recycled, recovered, or environmentally preferable materials: Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible, provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE A	CAGE CODE 037Z3	DWG NO. 07007
		REV	PAGE 3

PIN: The complete PIN shall be constructed using the following format:



Certification as an approved source of supply: In order to be listed as an approved source of supply for connectors, a manufacturer shall:

- a. Agree to make available to DSCC, upon request, all pertinent test data on the subject part indicating compliance to the requirements herein and 07006.
- b. Provide to DSCC-VAI, or its designated agent, upon request, free of charge and without obligation, a current production sample from its production line.

Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When actual packaging of material is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

DSCC drawing use. 67° adapter hose to tube in accordance with this drawing are intended for use when military specifications do not exist and qualified military connectors that will perform the required function are not available for OEM application. This drawing is intended exclusively to prevent the proliferation of unnecessary duplicate specifications, drawings, and stock catalog listings.

Acquisition requirements. Acquisition documents should specify the following:

- a. Complete PIN.
- b. Requirements for delivery of one copy of the quality conformance inspection data pertinent to the 67° adapter hose to tube inspection lot to be supplied with each shipment by the connector manufacturer, if applicable.
- c. Requirements for certificate of compliance, if applicable.
- d. Requirements for notification of change of product or process to contracting activity, if applicable.
- e. Packaging requirements.

Comments. Comments on this drawing should be directed to Defense Supply Center, Columbus, ATTN: DSCC-VAI, P.O. Box 3990 Columbus, Ohio 43218-3990 or telephone (614) 692-0565, facsimile (614) 692-6940 or emailed to Construction@dsc.dla.mil.

Submission of certificate of compliance. The certificate of compliance submitted to DSCC-VAI, prior to listing as an approved source of supply, shall state that the manufacturer's product meets the requirements of the applicable DSCC requirements drawings and stated herein.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE	CAGE CODE	DWG NO.
	A	037Z3	07007
		REV	PAGE 4

Approved sources of supply. Approved sources of supply are listed herein. Additional sources will be added as they become available. The vendors listed have agreed to the contents of this drawing and a certificate of compliance has been submitted to DSCC-VAI.

DSCC drawing PIN	Vendor CAGE number	Vendor similar PIN <u>1/</u>
07007	0TE27	037Z3-07007

1/ Parts must be purchased to this DSCC PIN to assure that all performance requirements and tests are met.

Vendor CAGE
number
0TE27

Vendor name
and address
DW Industries, Inc.
6326 Long Drive
Houston, TX 77087-3457

DEFENSE SUPPLY CENTER, COLUMBUS
COLUMBUS, OH 43218-3990

SIZE
A

CAGE CODE

037Z3

REV

DWG NO.

07007

PAGE

5