

REVISIONS

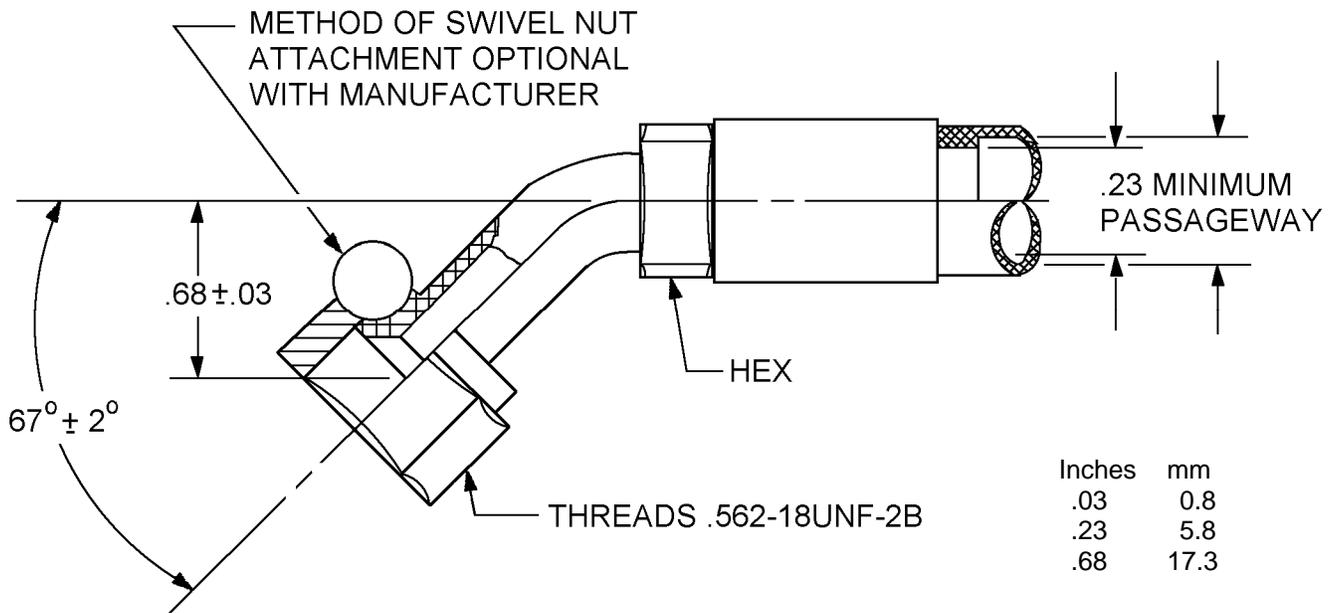
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Prepared in accordance with ASME Y14.100

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	PAGE	1	2	3	4														

PMIC N/A	PREPARED BY William Carpenter	DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO 43218-3990
Original date of drawing 15 August 2007	CHECKED BY Earnest Brown	TITLE FITTING, FEMALE, 37° FLARED SWIVEL, 67° NIPPLE, ADAPTER, HOSE TO TUBE, SAE J516 TYPE, PNEUMATIC
	APPROVED BY Abdonasser M. Abdouni	
	SIZE A	CAGE CODE 037Z3
	REV	PAGE 1 OF 4



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.

FIGURE 1. Adapter, 67°, J516 type dimensions and configuration

REQUIREMENTS: Similar to SAE-J516, except as specified herein.

Dimensions and configurations: See figure 1.

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

Qualification: Not required

Material: See 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	
		SAE-AMS6381	

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE	CAGE CODE	DWG NO.
	A	037Z3	07008
		REV	PAGE 2

Threads .562-18 UNF-2B.

Size:

Connector size: -6
Hose size: -6.

Finish: Zinc plating shall be in accordance with ASTM B633; type II or III, Fe/Zn 5, or ASTM B695, type II, class 5. Both zinc platings specified in ASTM B633 type III and ASTM B695 type II shall meet the same 96 hour salt spray test endurance as ASTM B633 type II zinc plating.

Salt spray testing. The adapter when subjected to corrosion resistance testing in accordance with ASTM B633, duration of test 96 hours, the plating shall show no corrosion products of zinc or basis metal corrosion products. The appearance of corrosion products visible to the unaided eye at normal reading distance shall be cause for rejection, except for white corrosion products at the edges of the specimens shall not constitute a failure.

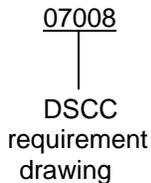
Hose assembly testing: Tested as part of DSCC drawing 07006.

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.

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.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE	CAGE CODE	DWG NO.
	A	037Z3	07008
		REV	PAGE 3

DSCC drawing use. Hose to tube 67° adapter 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. 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.

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 ^{1/}
07008	0TE27	037Z3-07008

^{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	CAGE CODE	DWG NO.
	A	037Z3	07008
		REV	PAGE 4