

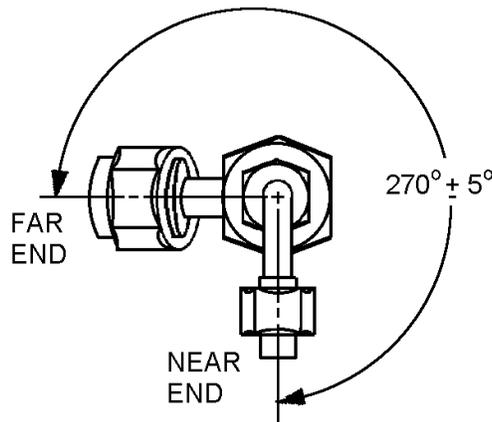
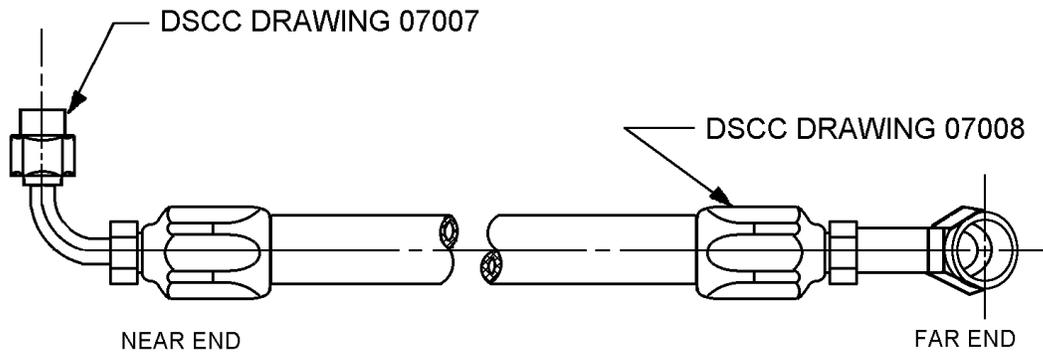
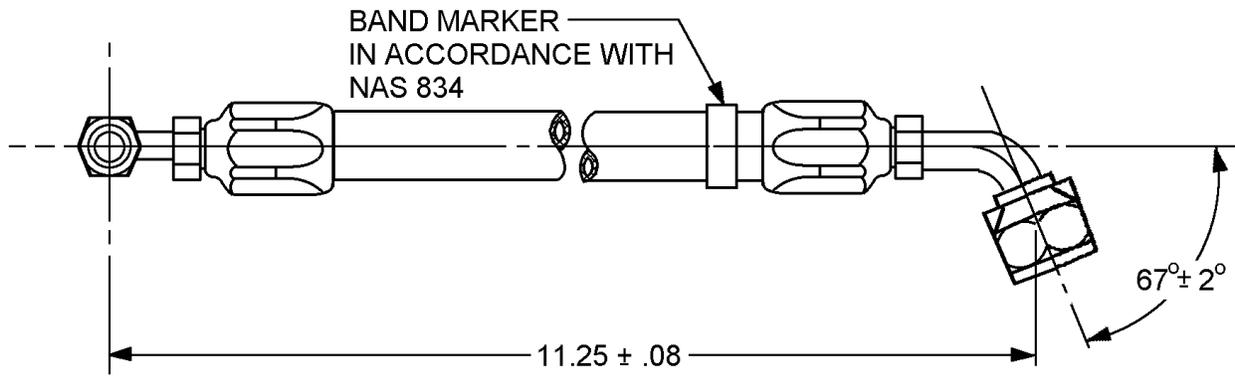
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED

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Prepared in accordance with ASME Y14.100

REV																	
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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 HOSE ASSEMBLY, REAR WHEEL, VALVE TO TURRET									
	APPROVED BY Abdonasser M. Abdouni																
	SIZE A	CAGE CODE 037Z3					DWG. NO.					07006					
		REV					PAGE	1	OF	5							



Inches	mm
.010	0.25
.03	0.8
.031	0.79
.06	1.5
.08	2.0
.23	5.8
.50	12.7
.562	14.27
.68	17.3
1.32	33.5
11.25	285.8

NEAR END REFERENCE - MEASURED COUNTER CLOCKWISE

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), for 3 place decimals ± 0.005 inch (0.13 mm) angular tolerance $\pm 0^{\circ}30'$.
4. Dimensional limits apply with plating.

FIGURE 1. Rear wheel, air valve to turret.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE	CAGE CODE	DWG NO.
	A	037Z3	07006
		REV	PAGE 2

SCOPE

Scope. This drawing outlines the requirements for a hose assembly, rear wheel air valve to turret. The intended application is for land base vehicles with pneumatic tire pressure control systems, rear wheel, valve turret to turret or similar applications and marine base similar applications.

Qualification inspection. Qualification inspection for hose assemblies specified herein shall not be required.

REQUIREMENTS

DSCC requirements. The individual item requirements shall meet the requirements of MIL-DTL-13444 for air valve to turret hose assemblies except as specified herein.

Field attachable.

Materials: Hose shall be in accordance with MIL-DTL-13444, type III, inner diameter (ID) .312 inch (7.92 mm).

Operating temperature range: -40°F to 200°F (-40°C to 93.33°C).

Design configuration. The design, construction, and physical dimensions shall be as specified in this drawing and DSCC drawings 07007 and 07008. In case of conflict between this drawing and DSCC drawings 07007 and 07008, this drawing shall govern.

Proof pressure test. All hose assemblies shall be subjected to the proof pressure test in accordance with ASTM D622. The following details shall apply:

- a. The test fixture shall be turret valve assembly (19207) 12301120 or equivalent.
- b. Pressure 200 psi \pm 5 psi (13.80 bar \pm 0.34 bar).
- c. Hose shall not leak at the hose fittings or valve interface.
- d. Hose assembly shall not fail during or at the completion of the test.
- e. There shall be no visual evidence of damage or permanent deformation.

Age. The bulk hose that is covered by this specification shall not exceed the age limits specified in SAE J517.

Tagging of hose assemblies. A removable tag shall be attached to each hose assembly and shall contain the military Part or Identifying Number (PIN), date of assembly, and name or code of assembly manufacturer.

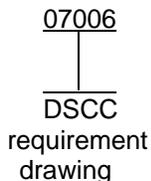
Cleaning and sealing. All hose assemblies shall be cleaned. After cleaning, cap all ports with plugs or caps in accordance with NAS 834.

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

- a. Agree to make available to DSCC, upon request, all pertinent test data on the subject part indicating compliance to the tests outlined herein.
- b. Provide to DSCC-VAI, or its designated agent, upon request, free of charge and without obligation, a pre-production sample before production.
- c. DSCC will give approval to start production or request the manufacturer make changes. If changes are required to the hose assembly the manufacturer shall supply another sample for pre-production testing. This will continue until DSCC approval is obtained to start production.

DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OH 43218-3990	SIZE	CAGE CODE	DWG NO.
	A	037Z3	07006
		REV	PAGE 3

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



PACKAGING

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. Hose assemblies in accordance to 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 hose assembly 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.
- f. Shelf life requirements.

Shelf life. This specification covers items where shelf life is a consideration. Specific shelf-life requirements should be specified in the contract or order. The shelf-life codes are contained in the Federal Logistics Information System Total Item Record. Additive information for shelf-life management may be obtained from DoD 4140.27-M, Shelf- life Management Manual, or the designated shelf-life Points of Contact (POC). The POC should be contacted in the following order: (1) the Inventory Control Points (ICPs), and (2) the DoD Service and Agency administrators for the DoD Shelf-Life Program. Appropriate POCs for the DoD Shelf-Life Program can be contacted through the DoD Shelf-Life Management website: <http://www.shelflife.hq.dla.mil/>.

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@dsccl.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	07006
		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>
07006	0TE27	037Z3-07006

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	DWG NO. 07006
		REV	PAGE 5