

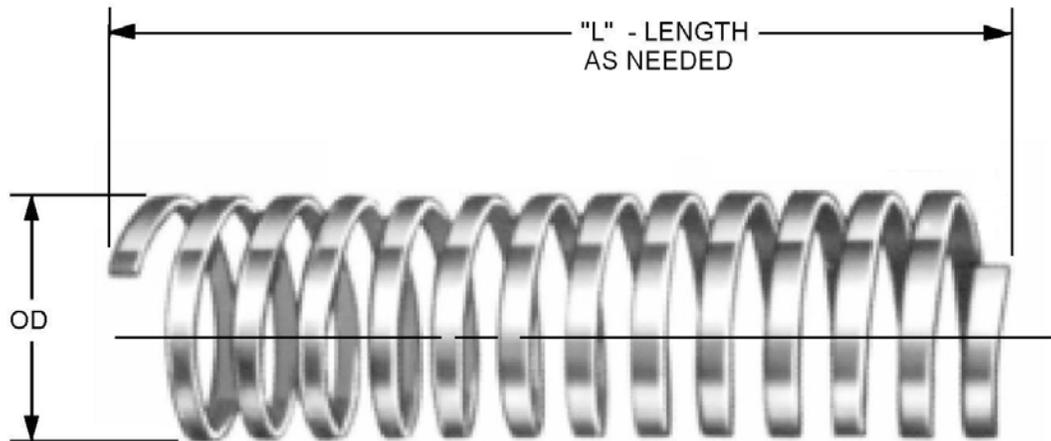
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	Change CAGE code from 037Z3 to 16236 and e-mail address for comments. Removed approved sources requirements.	4 June 2008	A. Abdouni

Prepared in accordance with ASME Y14.100

Detail Drawing

REV																			
PAGE																			
REV STATUS OF PAGES	REV	A	A	A	A														
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PMIC N/A	PREPARED BY William Carpenter					DEFENSE SUPPLY CENTER, COLUMBUS COLUMBUS, OHIO 43218-3990													
Original date of drawing 29 January 2008	CHECKED BY Ernest Brown					TITLE HOSE ASSEMBLY, INTERNAL SUPPORT COIL, FOR VACUUM AND SUCTION HOSES													
	APPROVED BY Abdo Abdouni																		
	SIZE A	CAGE CODE 16236					DWG. NO. 08001												
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Internal support coil dash number	SAE hose size	Coil OD inches (mm)
V06	-6	.34 (8.6)
V08	-8	.42 (10.7)
V10	-10	.51 (13.0)
V12	-12	.73 (18.5)
V16	-16	.94 (23.9)
V20	-20	1.19 (30.2)
V24	-24	1.44 (36.6)
V32	-32	1.88 (47.8)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. This coil is recommended for vacuum and suction service hose assemblies.
4. Smaller hose sizes coil should slide easily into hose. Larger hose sizes may require the spring be compressed.

FIGURE 1. Internal support coil.

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SCOPE

Scope. This drawing outlines the requirements for an internal coil for use in hose assemblies.

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

REQUIREMENTS

Design configuration. The design, construction, and physical dimensions shall be as specified on figure 1.

Material:

Metal coil. Metal coils shall meet the requirements of American Iron and Steel Institute (AISI) 301, AISI 302, or AISI 304 with the following requirements:

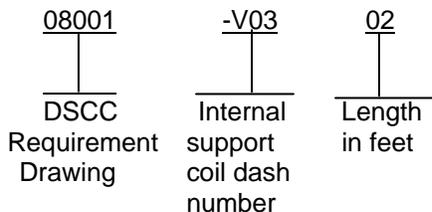
- Tensile: 1700 psi min.
- Yield: 1400 psi min @ 2% offset.
- Elongation: 2% min (in 2 inches).

All the coils supplied to this drawing shall be free from seams, pits, die scratches, slivers, burrs, sharp edges, or other defects that may affect service life.

Internal coil length. The coil shall be cut to overall assembly length minus the nipple intrusion.

Marking: The Part or Identifying Number (PIN) shall be marked on the package in accordance with MIL-STD-1285. The marking shall include the complete DSCC PIN, manufacturer's name or CAGE code, and date code.

The 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 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.

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DSCC drawing use. Internal support coils 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 certificate of compliance, if applicable.
- c. Requirements for notification of change of product or process to contracting activity, if applicable.
- d. 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 FluidFlow@dla.mil.

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