



Dash size code	Tubing OD ref.	A ±.010	B	C	T ±.002
-03	3/16	.325	.145±.015	.130±.005	.008
-04	1/4	.377	.183±.015	.190±.010	.008
-05	5/16	.440	.188±.015	.255±.005	.008
-06	3/8	.496	.205±.015	.316±.010	.007
-08	1/2	.676	.260±.015	.426±.010	.010
-10	5/8	.788	.268±.015	.531±.010	.010
-12	3/4	.963	.274±.015	.671±.010	.010
-14	7/8	1.085	.280±.015	.800±.010	.010
-16	1	1.215	.285±.015	.930±.010	.012
-20	1-1/4	1.525	.335±.015	1.160±.010	.012
-24	1-1/2	1.785	.325±.040	1.420±.020	.012
-32	2	2.410	.430±.040	1.915±.010	.012

NOTES:

1. Dimensions are in inches.
2. Dimensioning and tolerancing in accordance with ASME Y14.5.
3. Break sharp edges and remove burrs and slivers.
4. Surface texture shall be .005 inches in accordance with ASME B46.1.
5. These parts are soft and easily deformed dimensions B, C, and D shall be verified by installing the seal on a standard fitting of the appropriate size.
6. An out-of-round-seal that does not interfere with installation shall not be cause for rejection.

FIGURE 1. 37° flared Crush Seal.

TABLE I. Material and finish code.

Material and finish code	Material and finish	Loctite 1/ 2/ 3	Application
C	Copper foil or strip, annealed, type C10100, C10200 or C11000 in accordance with ASTM B152/B152M	None	
CL		Low temp	Refrigeration
CT	Copper foil or strip, annealed, type C10100, C10200 or C11000 in accordance with ASTM B152/B152M Tin plated in accordance with ASTM B545 or SAE-AMS2408	None	
CTL		Low temp	
S	Corrosion resistant steel strip type 304 or 305, annealed, in accordance with ASTM A240/A240M	None	Carbon steel fittings
SL		Low temp	Carbon steel fittings
ST	Corrosion resistant steel strip type 316, annealed, in accordance with ASTM A240/A240M	None	Nuclear power
STL		Low temp	Marine and corrosive environment
STH		High temp	Oil and Steam

1/ Low temp -40°F to 300°F.

2/ High temperature -40°F to 1200°F.

3/ Loctite coating not for use in pure oxygen, oxygen rich systems, chlorine or other strong oxidizing materials.

Torque technique. These seals require a second torque technique; see A-A-59935 for torquing procedure.

NOTES

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

Source of documents.

COMMERCIAL ITEM DESCRIPTIONS

A-A-59935 - Conical Seal, Crush, 37 Degree Flared Tube Fitting, General Requirements For

(Copies of these documents are available online at <http://quicksearch.dla.mil/> or from the DLA Document Services Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094).

Other Publications

ASME INTERNATIONAL

- ASME Y14.5 - Dimensioning and Tolerancing
- ASME B46.1 - Surface Texture (Surface Roughness, Waviness, and Lay)

(Copies of these documents are available online at <http://www.asme.org> or from the ASME International, Three Park Avenue, New York, NY 10016-5990.)

ASTM INTERNATIONAL

- ASTM B152/B152M - Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar
- ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
- ASTM B545 - Standard Specification for Electrodeposited Coatings of Tin

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

SAE INTERNATIONAL

- SAE-AMS2408 - Plating, Tin

(Copies of these documents are available on line at www.sae.org from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, and Tel: 877-606-7323 [inside USA and Canada] or 724-776-4970 [outside USA], email at CustomerService@sae.org.)

Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict acquisition to only the manufacturers shown.)

<u>MFR's CAGE number</u>	<u>MFR's name and address</u>
4D2Q4	Flaretite, Inc. 4036 Shadow Oak Fenton, MI 48430-9122 www.flaretite.com

Part number (P/N) supersession data. These CID specification sheet PIN's supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system (see table II).

TABLE II. P/N supersession data.

Dash number (see table I) AA59935/6	MFR's CAGE	MFR's P/N <u>1/</u>	Dash number (see table I) AA59935/6	MFR's P/N <u>1/</u>
-02C	4D2Q4	37FT-02-CU-PLN	-02CL	37FT-02-CU-SPP
-03C	4D2Q4	37FT-03-CU-PLN	-03CL	37FT-03-CU-SPP
-04C	4D2Q4	37FT-04-CU-PLN	-04CL	37FT-04-CU-SPP
-05C	4D2Q4	37FT-05-CU-PLN	-05CL	37FT-05-CU-SPP
-06C	4D2Q4	37FT-06-CU-PLN	-06CL	37FT-06-CU-SPP
-08C	4D2Q4	37FT-08-CU-PLN	-08CL	37FT-08-CU-SPP
-10C	4D2Q4	37FT-10-CU-PLN	-10CL	37FT-10-CU-SPP
-12C	4D2Q4	37FT-12-CU-PLN	-12CL	37FT-12-CU-SPP
-14C	4D2Q4	37FT-14-CU-PLN	-14CL	37FT-14-CU-SPP
-16C	4D2Q4	37FT-16-CU-PLN	-16CL	37FT-16-CU-SPP
-20C	4D2Q4	37FT-20-CU-PLN	-20CL	37FT-20-CU-SPP
-24C	4D2Q4	37FT-24-CU-PLN	-24CL	37FT-24-CU-SPP
-28C	4D2Q4	37FT-28-CU-PLN	-28CL	37FT-28-CU-SPP
-32C	4D2Q4	37FT-32-CU-PLN	-32CL	37FT-32-CU-SPP

Dash number (see table I) AA59935/6	MFR's CAGE	MFR's P/N <u>1/</u>	Dash number (see table I) AA59935/6	MFR's P/N <u>1/</u>
-02S	4D2Q4	37FT-02-304-PLN	-02SL	37FT-02-304-SOR
-03S	4D2Q4	37FT-03-304-PLN	-03SL	37FT-03-304-SOR
-04S	4D2Q4	37FT-04-304-PLN	-04SL	37FT-04-304-SOR
-05S	4D2Q4	37FT-05-304-PLN	-05SL	37FT-05-304-SOR
-06S	4D2Q4	37FT-06-304-PLN	-06SL	37FT-06-304-SOR
-08S	4D2Q4	37FT-08-304-PLN	-08SL	37FT-08-304-SOR
-10S	4D2Q4	37FT-10-304-PLN	-10SL	37FT-10-304-SOR
-12S	4D2Q4	37FT-12-304-PLN	-12SL	37FT-12-304-SOR
-14S	4D2Q4	37FT-14-304-PLN	-14SL	37FT-14-304-SOR
-16S	4D2Q4	37FT-16-304-PLN	-16SL	37FT-16-304-SOR
-20S	4D2Q4	37FT-20-304-PLN	-20SL	37FT-20-304-SOR
-24S	4D2Q4	37FT-24-304-PLN	-24SL	37FT-24-304-SOR
-28S	4D2Q4	37FT-28-304-PLN	-28SL	37FT-28-304-SOR
-32S	4D2Q4	37FT-32-304-PLN	-32SL	37FT-32-304-SOR

See note at end of table.

TABLE II. P/N supersession data - Continued.

Dash number (see table I) AA59935/6	MFR's CAGE	MFR's P/N <u>1/</u>	Dash number (see table I) AA59935/6	MFR's P/N <u>1/</u>
-02ST	4D2Q4	37FT-02-316-PLN	-02STL	37FT-02-316-SGR
-03ST	4D2Q4	37FT-03-316-PLN	-03STL	37FT-03-316-SGR
-04ST	4D2Q4	37FT-04-316-PLN	-04STL	37FT-04-316-SGR
-05ST	4D2Q4	37FT-05-316-PLN	-05STL	37FT-05-316-SGR
-06ST	4D2Q4	37FT-06-316-PLN	-06STL	37FT-06-316-SGR
-08ST	4D2Q4	37FT-08-316-PLN	-08STL	37FT-08-316-SGR
-10ST	4D2Q4	37FT-10-316-PLN	-10STL	37FT-10-316-SGR
-12ST	4D2Q4	37FT-12-316-PLN	-12STL	37FT-12-316-SGR
-12ST	4D2Q4	37FT-14-316-PLN	-14STL	37FT-14-316-SGR
-16ST	4D2Q4	37FT-16-316-PLN	-16STL	37FT-16-316-SGR
-20ST	4D2Q4	37FT-20-316-PLN	-20STL	37FT-20-316-SGR
-24ST	4D2Q4	37FT-24-316-PLN	-24STL	37FT-24-316-SGR
-28ST	4D2Q4	37FT-28-316-PLN	-28STL	37FT-28-316-SGR
-32ST	4D2Q4	37FT-32-316-PLN	-32STL	37FT-32-316-SGR

Dash number (see table I) AA59935/6	MFR's CAGE	MFR's P/N <u>1/</u>
-02TH	4D2Q4	37FT-02-316-HTS
-03TH	4D2Q4	37FT-03-316-HTS
-04TH	4D2Q4	37FT-04-316-HTS
-05TH	4D2Q4	37FT-05-316-HTS
-06TH	4D2Q4	37FT-06-316-HTS
-08TH	4D2Q4	37FT-08-316-HTS
-10TH	4D2Q4	37FT-10-316-HTS
-12TH	4D2Q4	37FT-12-316-HTS
-14TH	4D2Q4	37FT-14-316-HTS
-16TH	4D2Q4	37FT-16-316-HTS
-20TH	4D2Q4	37FT-20-316-HTS
-24TH	4D2Q4	37FT-24-316-HTS
-28TH	4D2Q4	37FT-28-316-HTS
-32TH	4D2Q4	37FT-32-316-HTS

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this specification sheet. At the time of preparation of this specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph of A-A-59935.

MILITARY INTERESTS:

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Review activities:

Army - AT, MI
Navy - MC, SH
Air Force - 71

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing activity:

DLA - CC

Project 4730-2013-081

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.