

[INCH-POUND]
A-A-59935/5
2 October 2013

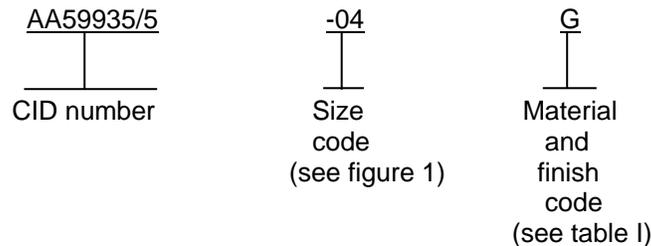
COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

CONICAL SEALS, CRUSH, 37 DEGREE FLARED
TUBE FITTING, GOLD

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

The complete requirements for procuring conical seal, crush, 37 degree flared tube fitting, gold described herein shall consist of this document and the issue in effect of A-A-59935.

CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This commercial item description (CID) uses a classification system which is included in the PIN as shown in the following example (see NOTES).

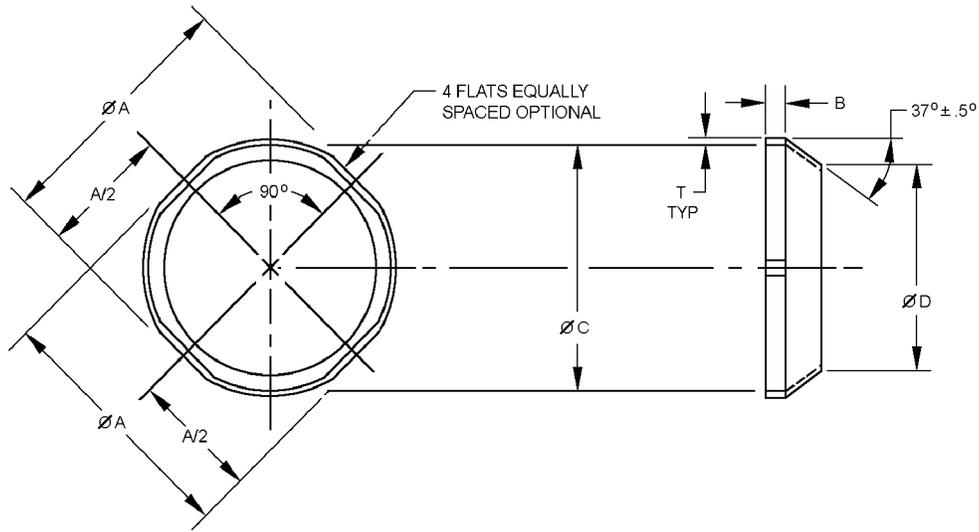


SALIENT CHARACTERISTICS.

Interface and physical dimensions. Conical seals, crush, 37 degree flared tube fitting, gold supplied to this CID specification sheet shall be as specified herein (see figure 1 and table I).

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: VAI, P.O. Box 3990, Columbus OH 432180-3990, or fluidflow@dla.mil. Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <https://assist.dla.mil/>.

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Dash size code	Tubing OD Ref.	A +.005 -.000	B +.000 -.015	C +.005 -.000	D +.015 -.000	T inch
-02	1/8	.240	.060	.245	.103	.005
-03	3/16	.302		.307	.166	
-04	1/4	.354		.359	.213	
-05	5/16	.416	.075	.421	.275	
-06	3/8	.471		.476	.338	
-08	1/2	.649		.654	.446	
-10	5/8	.762	.105	.767	.562	.010
-12	3/4	.933		.938	.687	
-16	1	1.183		1.188	.936	
-20	1-1/4	1.496	.125	1.501	1.375	
-24	1-1/2	1.745		1.750	1.410	
-28	1-3/4	2.120		2.125	1.680	
-32	2	2.370		2.375	1.913	
-40	2 1/2	2.877	.055	2.882	2.500	.015
-44	2 3/4	3.127		3.125	2.742	
-48	3	3.377		3.382	2.990	

NOTES:

1. Dimensions are in inches.
2. Dimensioning and tolerancing in accordance with ASME Y14.5. Unless otherwise specified, tolerances for decimals $\pm .005$ inch (0.13 mm), angles $\pm .5^\circ$.
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
G	Grade 99.99 gold in accordance with ASTM B562

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 B562 - Standard Specification for Refined Gold

(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.)

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>
33447	SECO Seals Inc. 1370 Logan Ave. Unit K Costa Mesa, CA 92626 714-546-3778 E-mail: secoseals@aol.com
64162.	Del Aerospace, Inc. 921 Mountain View Ave A Oxnard, CA 93030-7227 E-mail: delaero@earthlink.net
66776	Alcoa Global Fasteners Inc. Div Rosan / Eagle Products DBA Alcoa Fastening Systems 800 S State College Blvd Fullerton, CA 92831-5334
01673	SPS Technologies LLC DBA Airdrome Precision Components Div SPS Technologies LLC 3251 E Airport WY Long Beach, CA 90806-2407

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	MFR's CAGE	MFR's P/N <u>1/</u>	MFR's CAGE	MFR's P/N <u>1/</u>
-02G	33447	SECO7G-02	64162	DY90-G-2
-03G	33447	SECO7G-03	64162	DY90-G-3
-04G	33447	SECO7G-04	64162	DY90-G-4
-05G	33447	SECO7G-05	64162	DY90-G-5
-06G	33447	SECO7G-06	64162	DY90-G-6
-08G	33447	SECO7G-08	64162	DY90-G-8
-10G	33447	SECO7G-10	64162	DY90-G-10
-12G	33447	SECO7G-12	64162	DY90-G-12
-16G	33447	SECO7G-16	64162	DY90-G-16
-20G	33447	SECO7G-20	64162	DY90-G-20
-24G	33447	SECO7G-24	64162	DY90-G-24
-28G	33447	SECO7G-28	64162	DY90-G-28
-32G	33447	SECO7G-32	64162	DY90-G-32
-40G	33447	SECO7G-40	64162	DY90-G-40
-44G	33447	SECO7G-44	64162	DY90-G-44
-48G	33447	SECO7G-48	64162	DY90-G-48

Dash number (see table I) AA59935	MFR's CAGE	MFR's P/N <u>1/</u>	MFR's CAGE	MFR's P/N <u>1/</u>
-02G	66776	VSF1015G2	01673	AP50G2
-03G	66776	VSF1015G3	01673	AP50*3
-04G	66776	VSF1015G4	01673	AP50G4
-05G	66776	VSF1015G5	01673	AP50*5
-06G	66776	VSF1015G6	01673	AP50*6
-08G	66776	VSF1015G8	01673	AP50*8
-10G	66776	VSF1015G10	01673	AP50*10
-12G	66776	VSF1015G12	01673	AP50*12
-16G	66776	VSF1015G16	01673	AP50*16
-20G	66776	VSF1015G20	01673	AP50*20
-24G	66776	VSF1015G24	01673	AP50*24
-28G	66776	VSF1015G28	01673	AP50*28
-32G	66776	VSF1015G32	01673	AP50*32
-40G	66776	VSF1015G40	01673	AP50*40
-44G	66776	VSF1015G44	01673	AP50*44
-48G	66776	VSF1015G48	01673	AP50*48

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 4730-2013-080

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/>.