



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0078/S, REVISION 13

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Gulf Nuclear Model CSV.
2. Source Description - Cylindrical welded double encapsulation made of Type 17-4 stainless steel. Approximate outer dimensions are 5.0 mm (0.2 in.) to 25.4 mm (1.0 in.) in diameter and 12.7 mm (0.5 in.) to 76.2 mm (3.0 in.) in length. Construction shall be in accordance with attached Gearhart Drawing No. 015-2011-039 or Dresser Atlas Drawing No. 88645.
3. Radioactive Contents - No more than either 111.0 GBq (3.0 Ci) of Thulium-170 as an oxide, 370.0 GBq (10.0 Ci) of Cesium-137 as ceramic pellets, 185.0 GBq (5.0 Ci) of Cobalt-60 as a metal, 74.0 GBq (2.0 Ci) of Americium-241 as an oxide, or 1.85 GBq (0.05 Ci) of Radium-226 as a sulfate.
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

¹ "Regulations for the Safe Transport of Radioactive Material, 2018 Edition, No. SSR-6, Rev. 1" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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5. Expiration Date - This certificate expires on April 30, 2030. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the April 2, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



April 08, 2025
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 13 - Issued to upgrade to 2018 edition of IAEA's Regulations for the Safe Transport of Radioactive Material, No. SSR-6, Rev. 1 and to extend the expiration date.

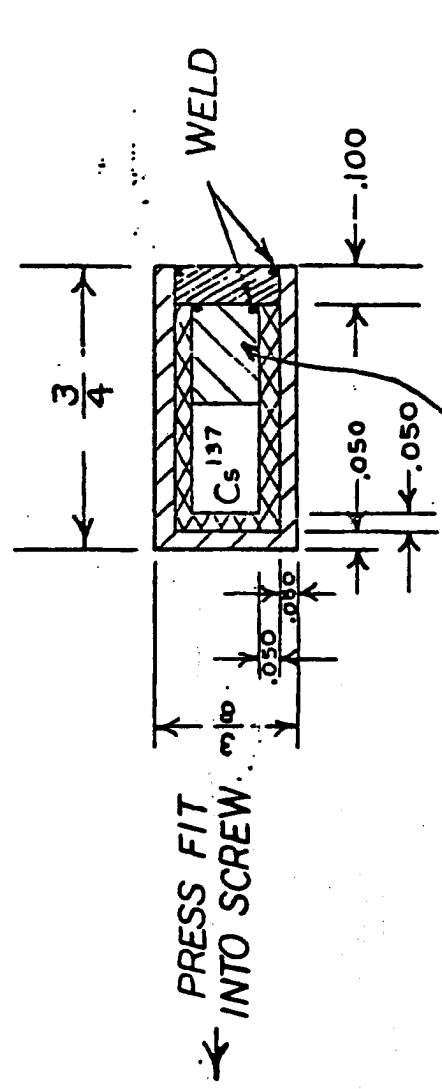
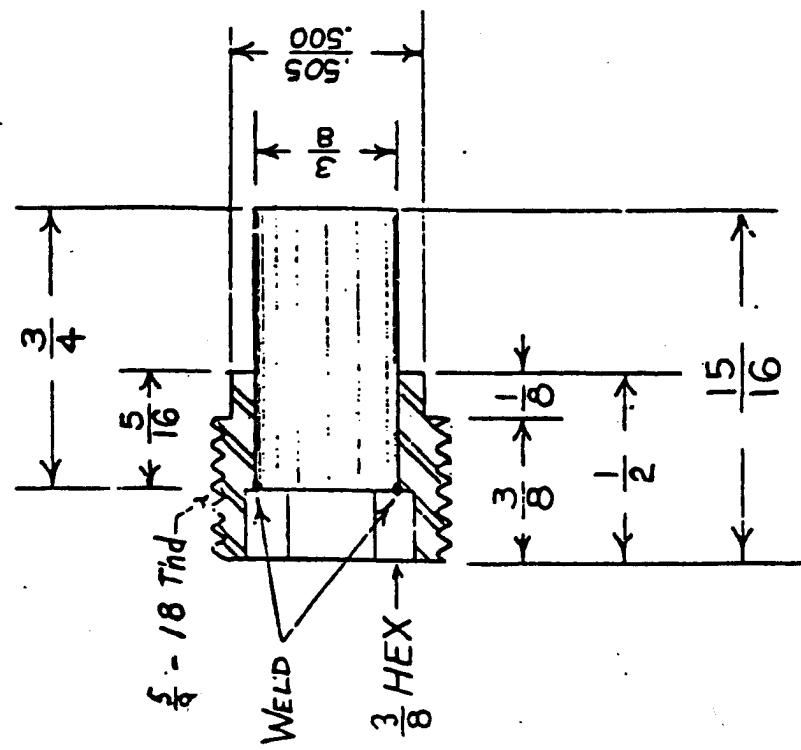
U-1-05

015-2011-039

MODIFY $\frac{1}{2} \times \frac{3}{4}$ SOCKET HEAD CAP SCREW
AS SHOWN 18 THDS PER INCH
(STAINLESS STEEL)

SOURCE STRENGTH:

CESIUM 137
2.1 CURIE
+200 MILLICURIE
-100 MILLICURIE



LENGTH AS REQD.
FOR SOURCE MAT'L.

NOTES:

Δ MAT'L: 17.4 PH/316 S.S.

003-4703-800
N/A: 003-4703-000

TOLERANCES UNLESS NOTED OTHERWISE (DECIMAL $\pm .008$) (FRACTIONAL $\pm 1/64$) (ANGULAR $\pm 1/2^\circ$)		DEARHART INDUSTRIES, INC. BOX 1936 - FORT WORTH, TEXAS 76101	
DIAMETERS CONCENTRIC TO $\pm$ T.I.R. FINISH MARK V INDICATES POLISH FINISH BREAK SHARP EDGES WITH 1/64 RADIUS		COMPENSATED DENSITY SOURCE	
MAT'L: Δ (VFM)	HEAT TREAT: N/A	2C CESIUM 137	
SCALE: 2/1	DRAWN BY: JT		
DATE: 11-11-71	APPROVED BY:		
3 ECO 11737 R 10-27-08 1/2			
2 ECO 9713 50m 5270 1/2			
1 ECO #2493 A.F. 10-6-71 1/2			

Title Dresser Atlas 2 Ci Cesium 137 Source

Date Oct 1980

Drawing No. 88645

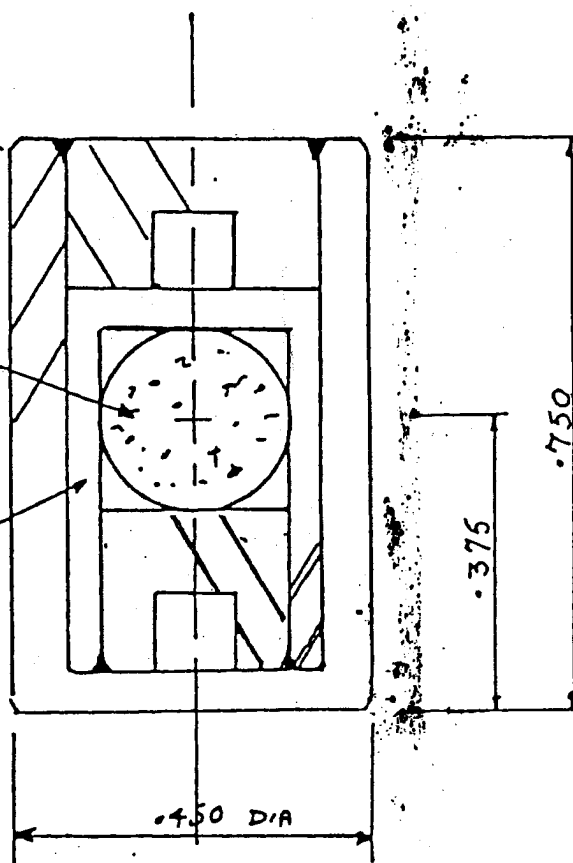
sheath drg A88643

cell A88644

sheath XN 226

ceramic
diameter ≈ 0.22

cell XN 225



Dims inches

Scale 4:1



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CERTIFICATE NUMBER: USA/0078/S-96

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Burlington, MA, 01803
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