



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0245/S-96, REVISION 13**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the sources described have 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 - Elekta AB Models 43047, 43685 and 1000029.
2. Source Description - Cylindrical double encapsulations made of Type 303 stainless steel (Model 43047) or Type 316L stainless steel (Models 43685 and 1000029) and seal welded. Approximate outer dimensions are either 7.98 mm (0.314 in.) or 7.99 mm (0.315 in.) in diameter and 27.2 mm (1.07 in.) in length. Construction shall be in accordance with attached Elekta Instrument Drawing Nos. 43047 (Model 43047), 43685 (Model 43685), or 1000029 (Model 1000029).
3. Radioactive Contents - No more than 2.22 TBq (60.0 Ci) of Cobalt-60 in the form of metal pellets, a solid rod, or powder.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on March 31, 2021.

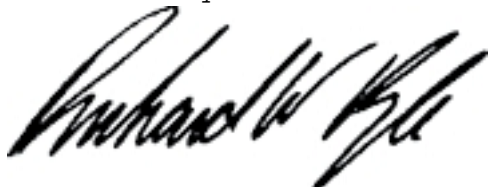
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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

CERTIFICATE USA/0245/S-96, REVISION 13


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the February 09, 2016 petition by Elekta Instrument, Stockholm, Stockholm County, Sweden, and in consideration of other information on file in this Office.

Certified By:



Mar 31 2016

(DATE)

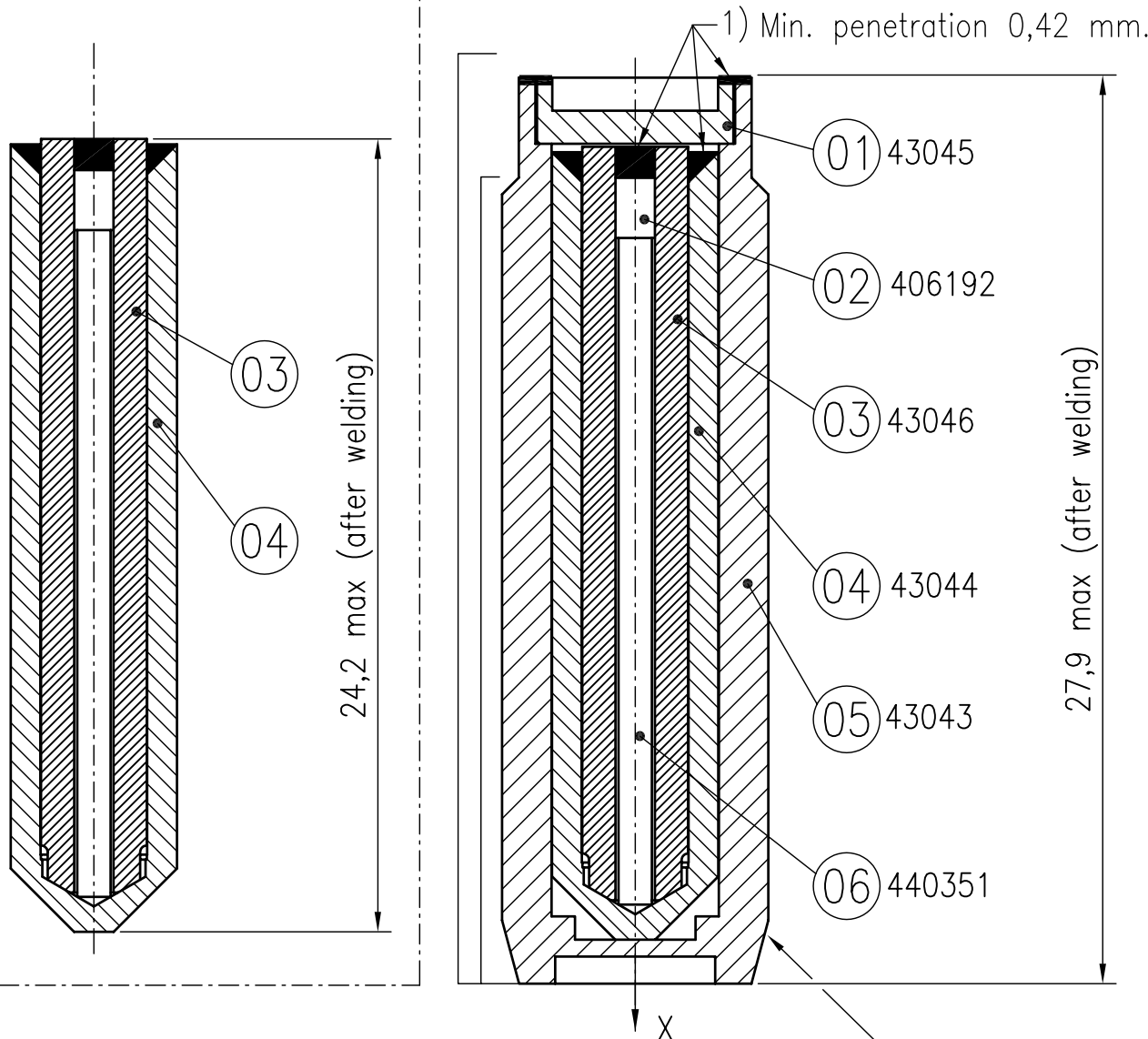
 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 13 - Issued to extend the expiration date.

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No.	Revision	Date	Appd
1	Utseende justerat	8804	RL
2	Not tillk; se ÄM C0192	9436	JT
3	Not tolkas tillk. ÄM C0480	9547	KES
4	Pos 2 ritn. tillk. ÄM C1321	9745	BTHO
5	See change order C1836	9930	BON
6	DWG. numbers added. ÄM C2186	9951	RL
7	See ECO-0000104	0506	OLNI



Kapseln tolkas med tolerans $\varnothing 8H7\pm 0$ efter svetsning för att passa i bussning vid montering.

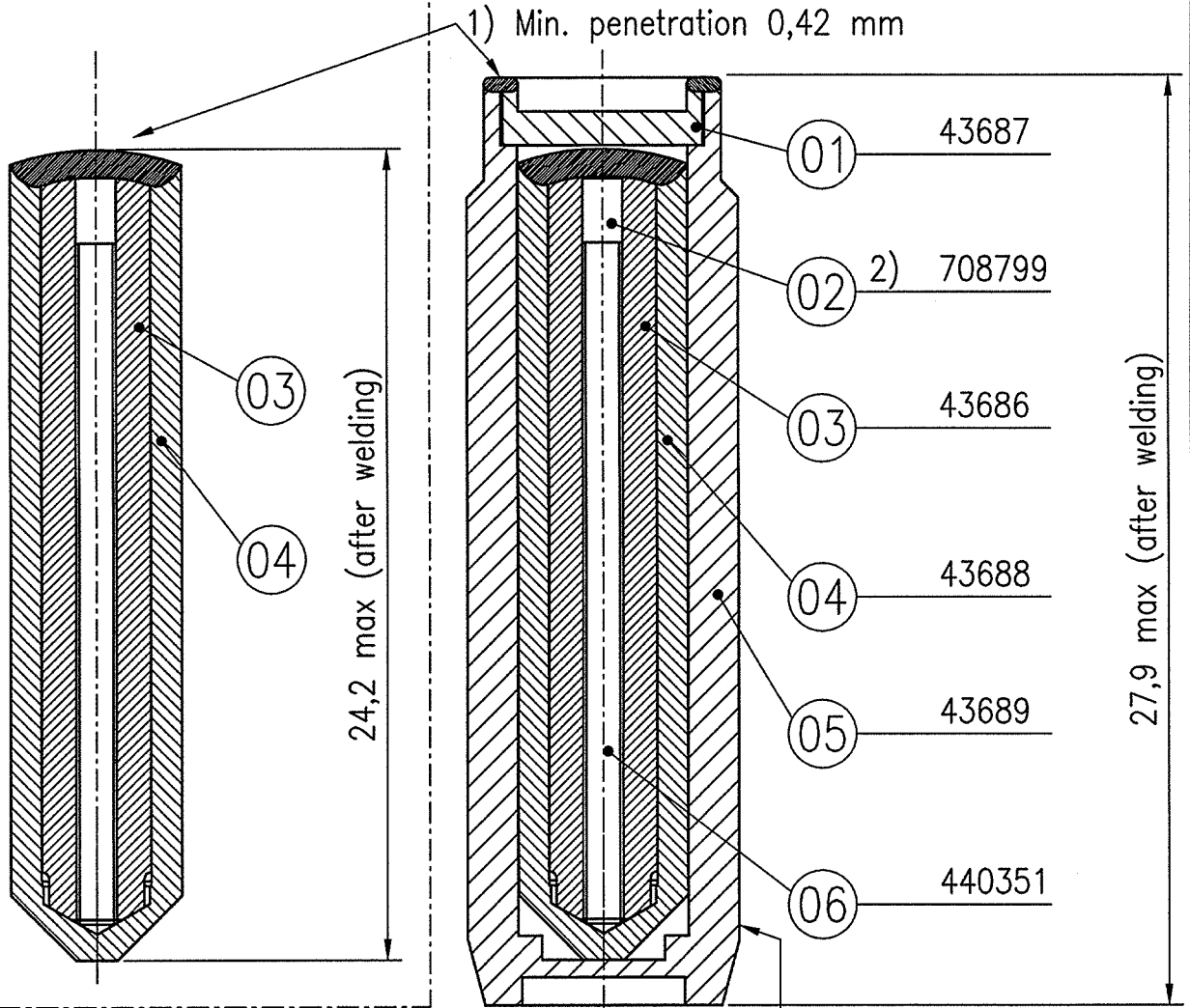
The capsule to be checked after welding with a tool having hole tolerance $\varnothing 8H7\pm 0$.

1) Gastät svets utan tillsatser/ Gas tight weld without additives
 Not/ Note: Teknisk specifikation/Technical Specification Art.No. 9-01863 0.010

Item	Qty	Description	Material	Dimension, Article no.	Weight kg	
Conditions where other not is specified						
Surface		Welding		Radius Sharp edges	Tolerances	
Date	Drawn	Checked	☐ ©	Scale	Ref.	
84-04-17	KS			5:1	908786	
ELEKTA INSTRUMENT		PREPARATKAPSEL SMST CAPSULE ASSEMBLY			Sheet	Cont.
					43047	

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No.	Revision	Date	Appd
1	Utseende justerat	8804	RL
2	Not tillk; SE ÅM C0192	9436	JT
3	Not tolkas tillk. ÅM C0480	9547	KES
4	See change order C1836	9938	BON
5	See change order C2040	9947	RL



Kapseln tolkas med tolerans $\varnothing 8H7 \pm 0$ efter svetsning för att passa i bussning vid montering.
 The capsule to be checked after welding with a tool having hole tolerance $\varnothing 8H7 \pm 0$.

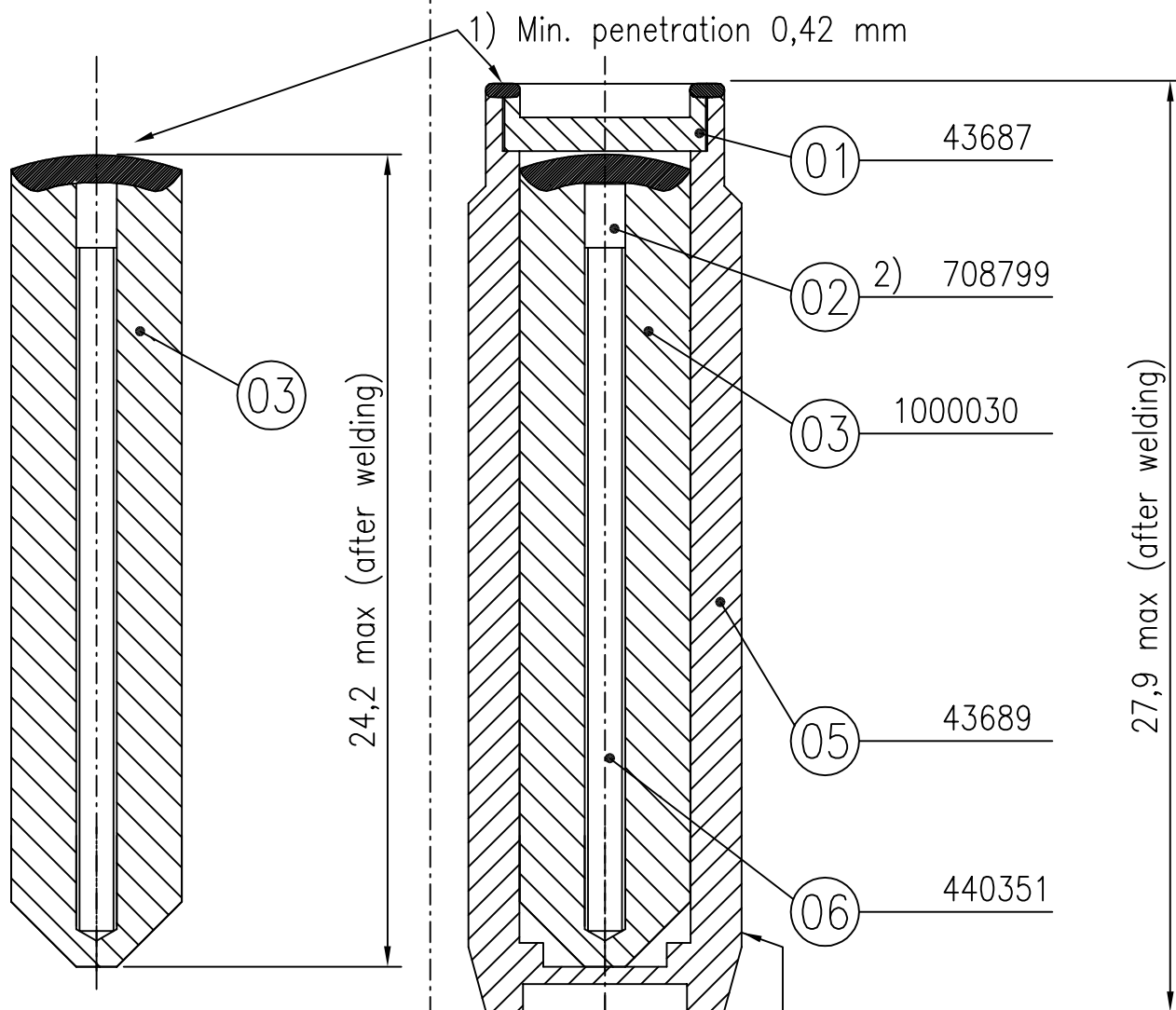
- 1) Gastät svets utan tillsatser/ Gas tight weld without additives
 - 2) Pluglängd efter behov/ Plug length as required
- Not/ Note: Teknisk specifikation/Technical Specification Art.No. 9-01863

0.010

Item	Qty	Description	Material	Dimension, Article no.	Weight kg
Conditions where other not is specified		Surface	Welding	Radius Sharp edges	Tolerances
Date	Drawn	Checked	Scale	Ref.	Sheet
84-04-17	KS/RL	<i>[Signature]</i>	5:1	908788	Cont.
ELEKTA INSTRUMENT		PREPARATKAPSEL SMST CAPSULE ASSEMBLY			43685

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No.	Revision	Date	Appd
02	See ECO-231	0543	AB



Kapseln tolkas med tolerans $\varnothing 8H7 \pm 0$ efter svetsning för att passa i bussning vid montering.
 The capsule to be checked after welding with a tool having hole tolerance $\varnothing 8H7 \pm 0$.

- 1) Gastät svets utan tillsatser/ Gas tight weld without additives
 2) Pluglängd efter behov/ Plug length as required

Not/ Note: Teknisk specifikation/Technical Specification Art.No. 9-01863

0.010

Item	Qty	Description	Material	Dimension, Article no.	Weight kg	
Conditions where other not is specified		Welding		Radius Sharp edges	Tolerances	
Date	Drawn	Checked	☐ ©	Scale	Ref.	
050701	OLNi			—	1000028	
ELEKTA INSTRUMENT		CAPSULE ASSEMBLY			Sheet	Cont.
					1000029	



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Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0245/S-96, Revision 13

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