- X-ray Sources
- Gamma Sources
- Mössbauer Sources
- Beta Sources
- Reference Sources

Gamma Sources

Ritverc GmbH
10, Kurchatova str.,
St.Petersburg, Russia
194223

Tel: +7 812 297 44 63
+7 812 297 22 69
Fax: +7 812 297 22 69

Email: info@ritverc.com
Url: www.ritverc.com
Skype: ritverc

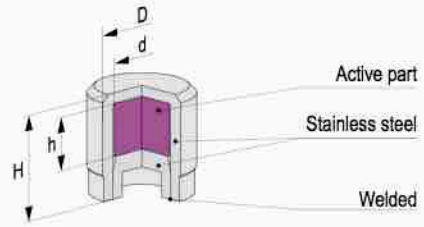
Rivenditore Italiano
BKS srls
Sede legale
Corso Vittorio Emanuele II, n. 12
Email: colleoni@bkswaste.eu
26900 Lodi (LO)

Tel 02.90600051
Cell 339.8881387
www.bkswaste.eu

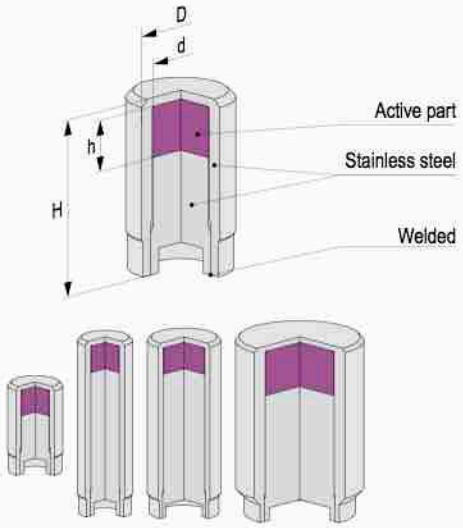
RITVERC isotope products

^{22}Na Gamma Sources

^{22}Na is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GNa2.27 source is also available in titanium capsule.
Recommended working life: 15 years.



11



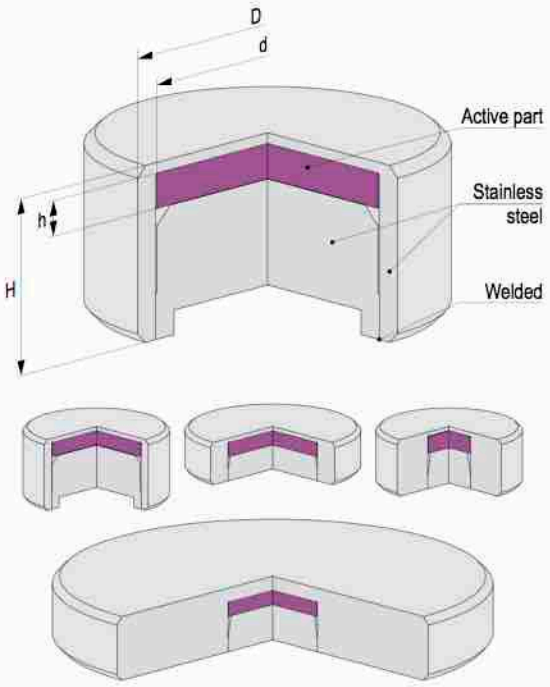
27 12 13 14

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.27	0.1-10	C64344	GNa2.11
3×10	2.1×1.5	0.0027-0.27	0.1-10	C64444	GNa2.12
4×10	3.1×1.5	0.0027-0.27	0.1-10	C64444	GNa2.13
7×10	5×2.5	0.0027-0.27	0.1-10	C64444	GNa2.14
8×5	4×1.2	0.0027-0.27	0.1-10	C64444	GNa2.15
10×5	8.5×1	0.0027-0.27	0.1-10	C64444	GNa2.16
12×3	8.5×1	0.0027-0.27	0.1-10	C64444	GNa2.17
30×4.5	8.5×1	0.0027-0.27	0.1-10	C64444	GNa2.18
10×4	4×1.2	0.0027-0.27	0.1-10	C64444	GNa2.19
3×5	2.1×1.5	0.0027-0.27	0.1-10	C66444	GNa2.27

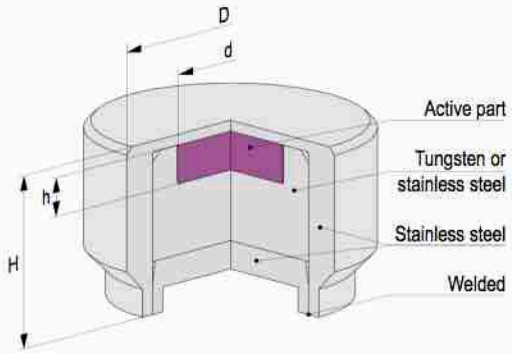
* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



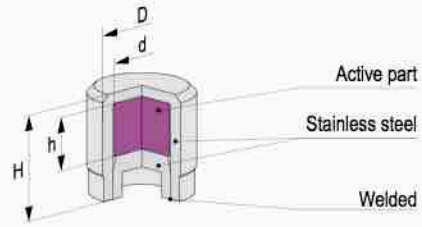
16 17 19
18



15

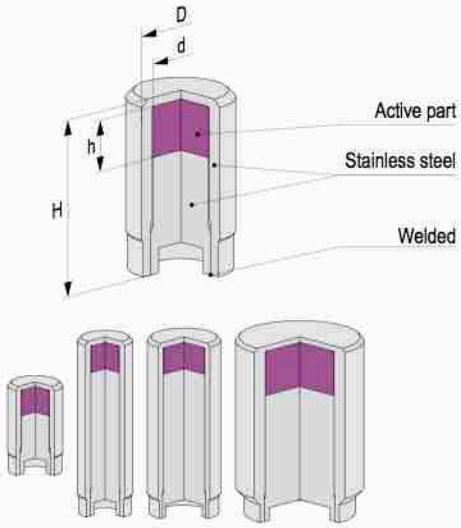
^{57}Co Gamma Sources

^{57}Co is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GCo7.27 source is also available in titanium capsule.
Recommended working life: 15 years.



11

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	1-300	37-11100	C64344	GCo7.11
3×10	2.1×1.5	1-300	37-11100	C64444	GCo7.12
4×10	3.1×1.5	1-300	37-11100	C64444	GCo7.13
7×10	5×2.5	1-300	37-11100	C64444	GCo7.14
8×5	4×1.2	1-300	37-11100	C64444	GCo7.15
10×5	8.5×1	1-300	37-11100	C64444	GCo7.16
12×3	8.5×1	1-300	37-11100	C64444	GCo7.17
30×4.5	8.5×1	1-300	37-11100	C64444	GCo7.18
10×4	4×1.2	1-300	37-11100	C64444	GCo7.19
3×5	2.1×1.5	1-300	37-11100	C66444	GCo7.27

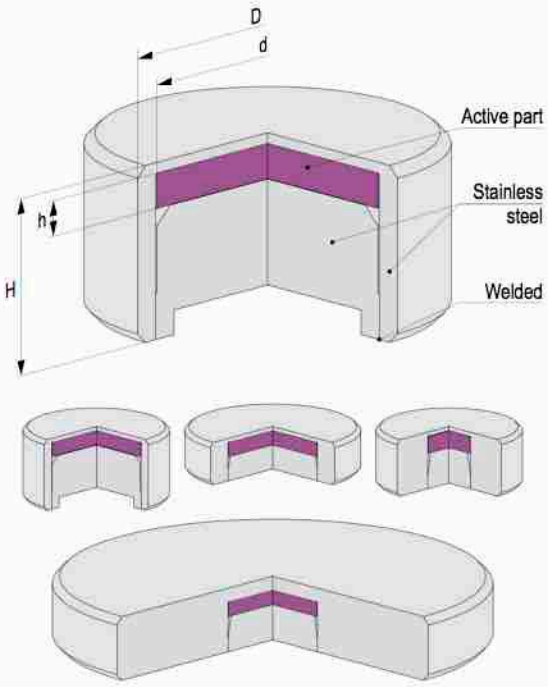


27 12 13 14

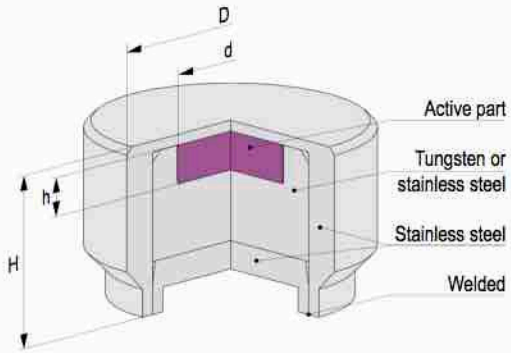
* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



16 17 19 18



15

^{60}Co Gamma Sources

^{60}Co is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GCo0.27 source is also available in titanium capsule.
Recommended working life: 15 years.

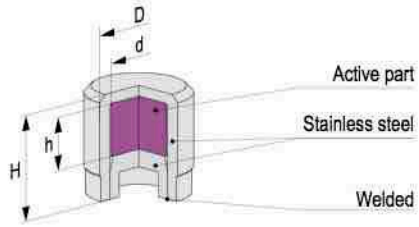
D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.135	0.1-5	C64344	GCo0.11
3×10	2.1×1.5	0.0027-0.135	0.1-5	C64444	GCo0.12
4×10	3.1×1.5	0.0027-0.135	0.1-5	C64444	GCo0.13
7×10	5×2.5	0.0027-0.135	0.1-5	C64444	GCo0.14
8×5	4×1.2	0.0027-0.135	0.1-5	C64444	GCo0.15
10×5	8.5×1	0.0027-0.135	0.1-5	C64444	GCo0.16
12×3	8.5×1	0.0027-0.135	0.1-5	C64444	GCo0.17
30×4.5	8.5×1	0.0005-0.135	0.0185-5	C64444	GCo0.18
10×4	4×1.2	0.0027-0.135	0.1-5	C64444	GCo0.19
6×7	3×3.3	0.0027-0.135	0.1-5	C65546	GCo0.25**
3×5	2.1×1.5	0.0027-0.135	0.1-5	C66444	GCo0.27

* — tolerance -10...+20 %

** — for details see page 17

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



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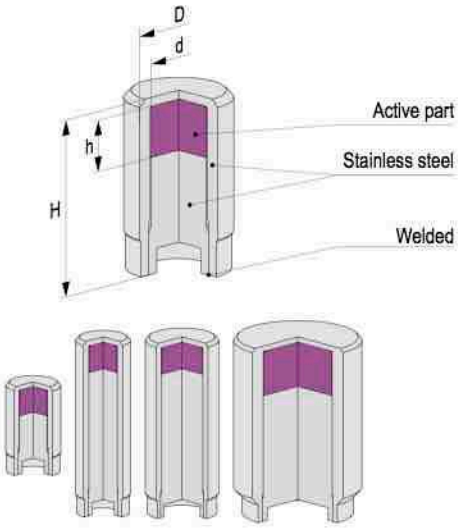
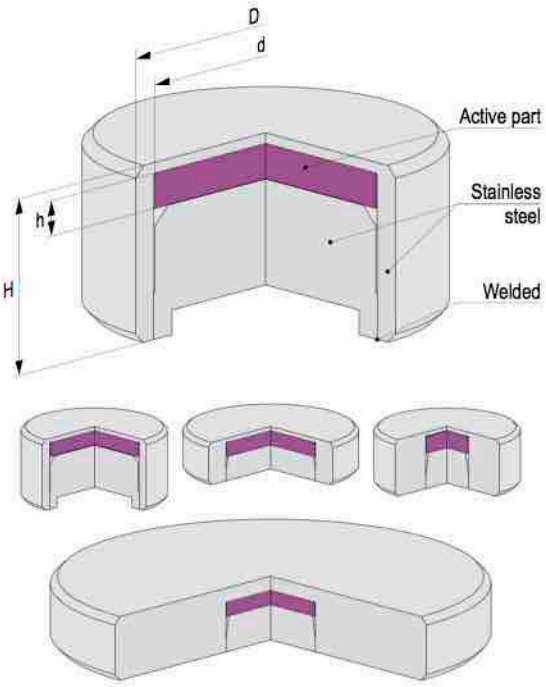
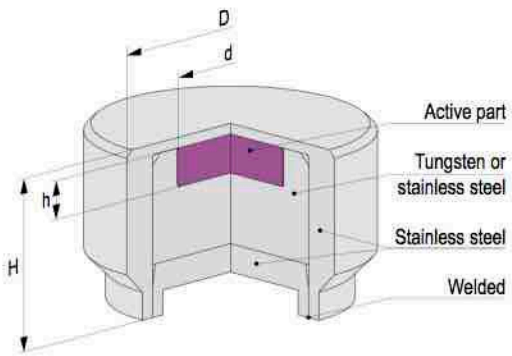


27 12 13 14



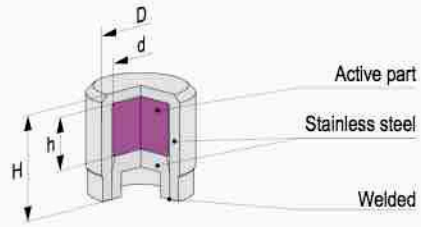
16 17 19 18



15

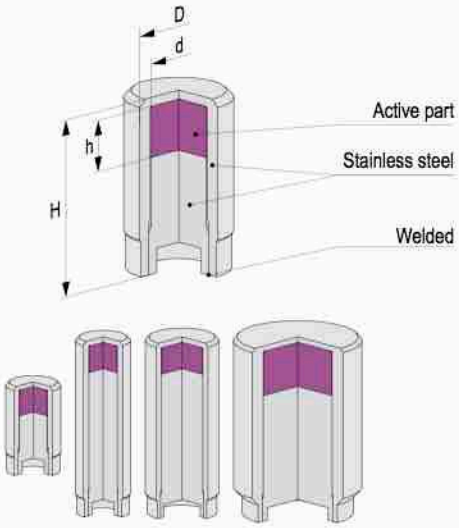
^{65}Zn Gamma Sources

^{65}Zn is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GZn5.27 source is also available in titanium capsule.
Recommended working life: 15 years.



11

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.135	0.1-5	C64344	GZn5.11
3×10	2.1×1.5	0.0027-0.135	0.1-5	C64444	GZn5.12
4×10	3.1×1.5	0.0027-0.135	0.1-5	C64444	GZn5.13
7×10	5×2.5	0.0027-0.135	0.1-5	C64444	GZn5.14
8×5	4×1.2	0.0027-0.135	0.1-5	C64444	GZn5.15
10×5	8.5×1	0.0027-0.135	0.1-5	C64444	GZn5.16
12×3	8.5×1	0.0027-0.135	0.1-5	C64444	GZn5.17
30×4.5	8.5×1	0.0027-0.135	0.1-5	C64444	GZn5.18
10×4	4×1.2	0.0027-0.135	0.1-5	C64444	GZn5.19
3×5	2.1×1.5	0.0027-0.135	0.1-5	C66444	GZn5.27

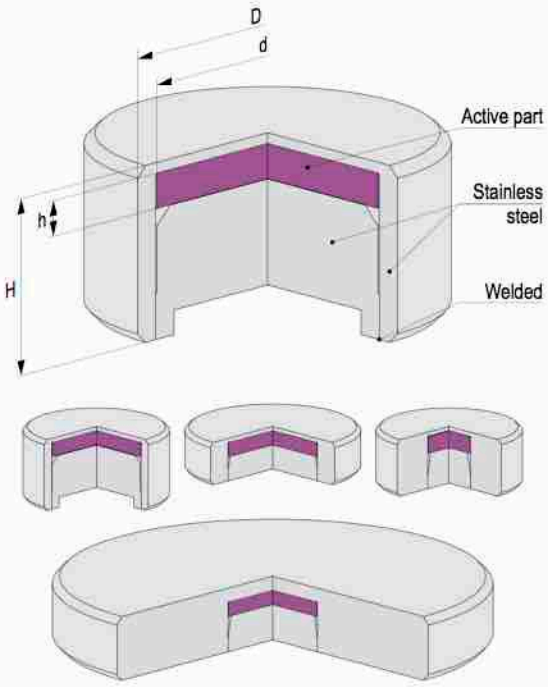


27 12 13 14

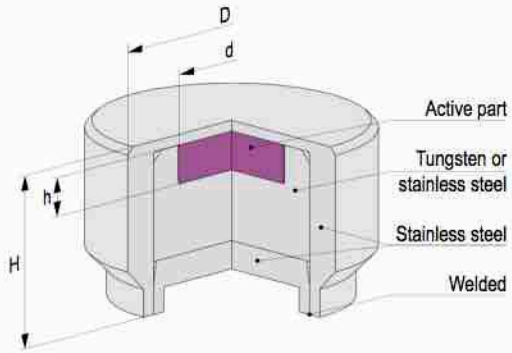
* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



16 17 19 18



15

^{88}Y Gamma Sources

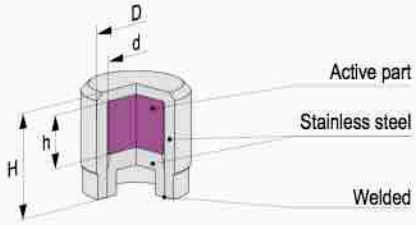
^{88}Y is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GY8.27 source is also available in titanium capsule.
Recommended working life: 15 years.

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.027	0.1-1	C64344	GY8.11
3×10	2.1×1.5	0.0027-0.027	0.1-1	C64444	GY8.12
4×10	3.1×1.5	0.0027-0.027	0.1-1	C64444	GY8.13
7×10	5×2.5	0.0027-0.027	0.1-1	C64444	GY8.14
8×5	4×1.2	0.0027-0.027	0.1-1	C64444	GY8.15
10×5	8.5×1	0.0027-0.027	0.1-1	C64444	GY8.16
12×3	8.5×1	0.0027-0.027	0.1-1	C64444	GY8.17
30×4.5	8.5×1	0.0027-0.027	0.1-1	C64444	GY8.18
10×4	4×1.2	0.0027-0.027	0.1-1	C64444	GY8.19
3×5	2.1×1.5	0.0027-0.027	0.1-1	C66444	GY8.27

* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



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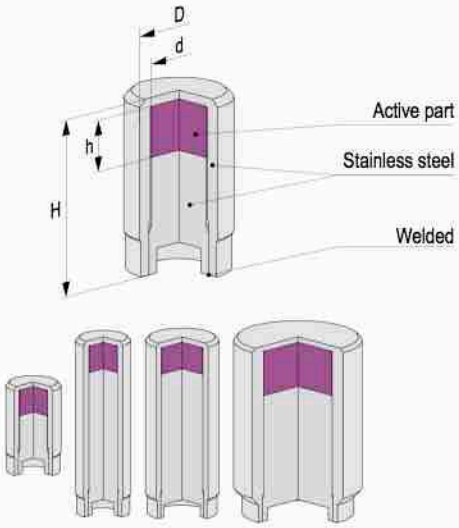
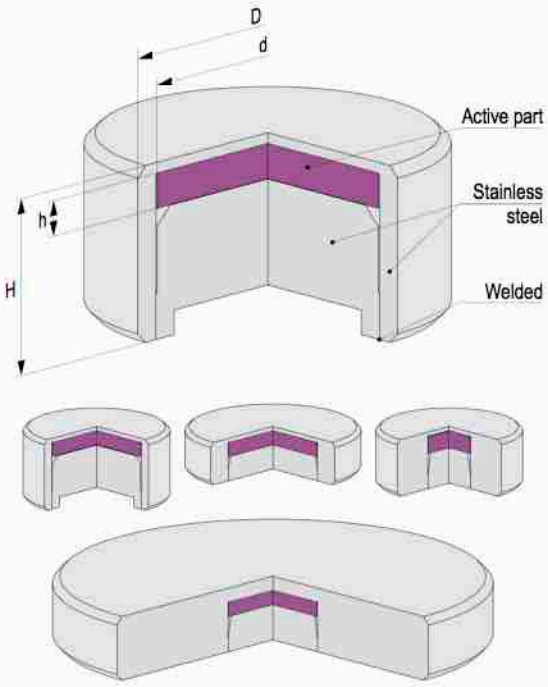
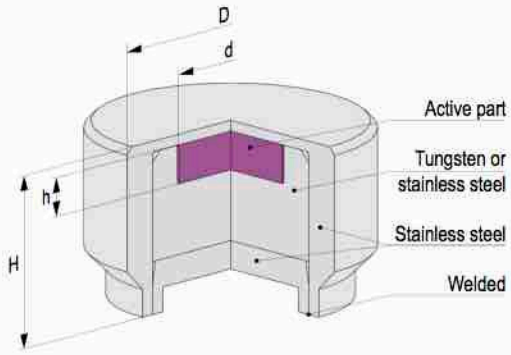


27 12 13 14



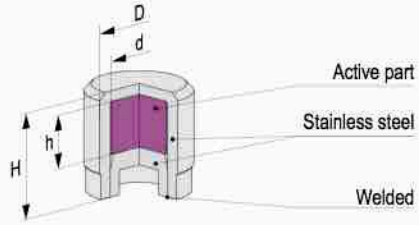
16 17 19 18



15

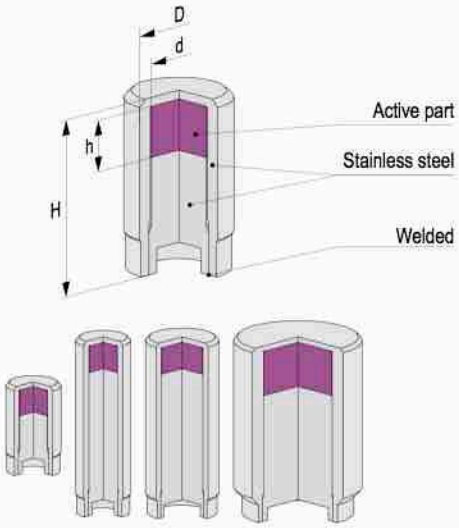
^{133}Ba Gamma Sources

^{133}Ba is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GBa3.27 source is also available in titanium capsule.
Recommended working life: 15 years.



11

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.027-3	1-111	C64344	GBa3.11
3×10	2.1×1.5	0.027-3	1-111	C64444	GBa3.12
4×10	3.1×1.5	1-10	37-370	C64444	GBa3.13
7×10	5×2.5	1-10	37-370	C64444	GBa3.14
8×5	4×1.2	1-10	37-370	C64444	GBa3.15
10×5	8.5×1	1-10	37-370	C64444	GBa3.16
12×3	8.5×1	1-10	37-370	C64444	GBa3.17
30×4.5	8.5×1	1-10	37-370	C64444	GBa3.18
10×4	4×1.2	1-10	37-370	C64444	GBa3.19
3×5	2.1×1.5	0.027-3	1-111	C66444	GBa3.27

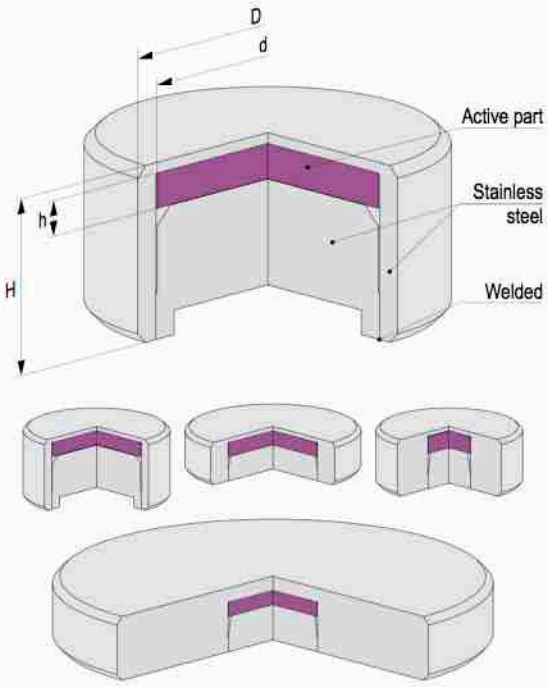


27 12 13 14

* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



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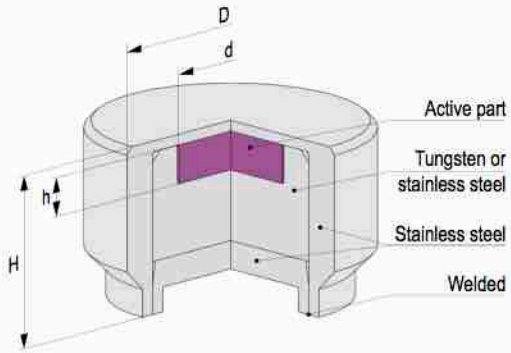


15

^{137}Cs Gamma Sources

^{137}Cs is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GCs7.27 source is also available in titanium capsule.
Recommended working life: 15 years.

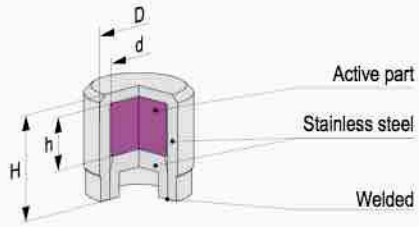
D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.135	0.1-5	C64344	GCs7.11
3×10	2.1×1.5	0.0027-0.135	0.1-5	C64444	GCs7.12
4×10	3.1×1.5	0.0027-0.135	0.1-5	C64444	GCs7.13
7×10	5×2.5	0.0027-0.135	0.1-5	C64444	GCs7.14
8×5	4×1.2	0.0027-0.135	0.1-5	C64444	GCs7.15
10×5	8.5×1	0.0027-0.135	0.1-5	C64444	GCs7.16
12×3	8.5×1	0.0027-0.135	0.1-5	C64444	GCs7.17
30×4.5	8.5×1	0.0027-0.135	0.1-5	C64444	GCs7.18
10×4	4×1.2	0.0027-0.135	0.1-5	C64444	GCs7.19
6×10	4×6.1	0.0027-0.135	0.1-5	C65546	GCs7.26**
3×5	2.1×1.5	0.0027-0.135	0.1-5	C66444	GCs7.27
6×9.5	3×4	0.0058-0.23	0.215-8.5	C66546	GCs7.46**

* — tolerance -10...+20 %

** — for details see page 17

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



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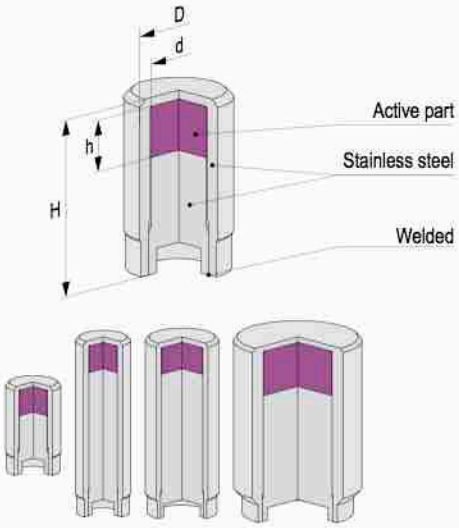
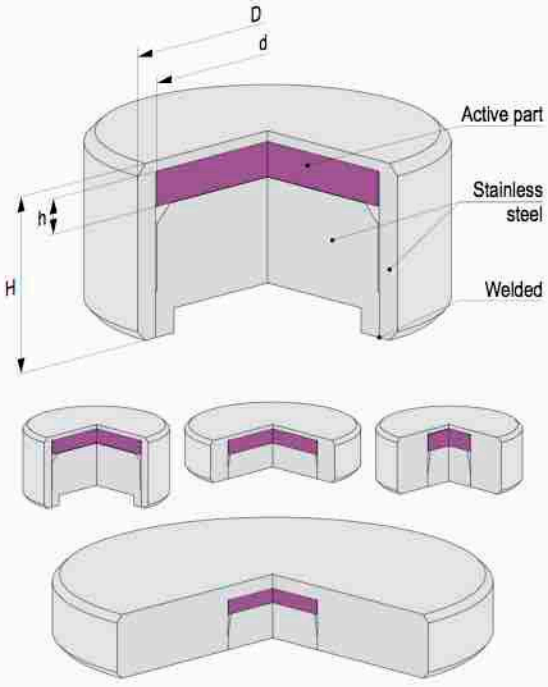


27 12 13 14



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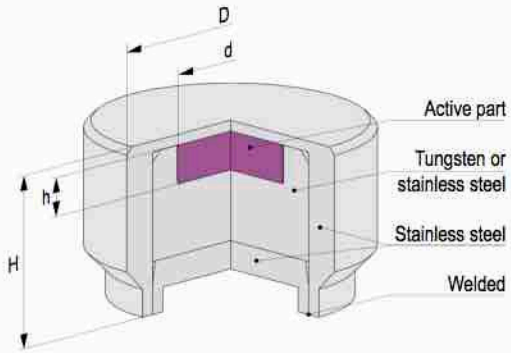
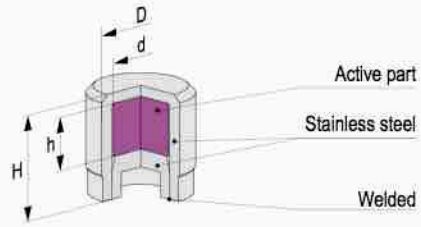
18



15

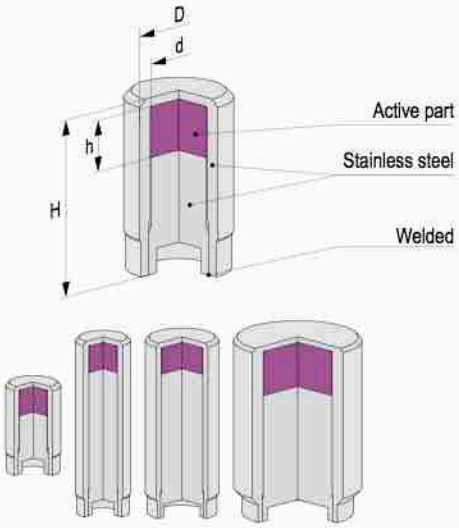
^{152}Eu Gamma Sources

^{152}Eu is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GEu2.27 source is also available in titanium capsule.
Recommended working life: 15 years.



11

D×H, mm	d×h, mm	Nominal activity *		ISO classification	Code
		mCi	MBq		
3×3	2.1×1.5	0.0027-0.135	0.1-5	C64344	GEu2.11
3×10	2.1×1.5	0.0027-0.135	0.1-5	C64444	GEu2.12
4×10	3.1×1.5	0.0027-0.135	0.1-5	C64444	GEu2.13
7×10	5×2.5	0.0027-0.135	0.1-5	C64444	GEu2.14
8×5	4×1.2	0.0027-0.135	0.1-5	C64444	GEu2.15
10×5	8.5×1	0.0027-0.135	0.1-5	C64444	GEu2.16
12×3	8.5×1	0.0027-0.135	0.1-5	C64444	GEu2.17
30×4.5	8.5×1	0.0027-0.135	0.1-5	C64444	GEu2.18
10×4	4×1.2	0.0027-0.135	0.1-5	C64444	GEu2.19
3×5	2.1×1.5	0.0027-0.135	0.1-5	C66444	GEu2.27

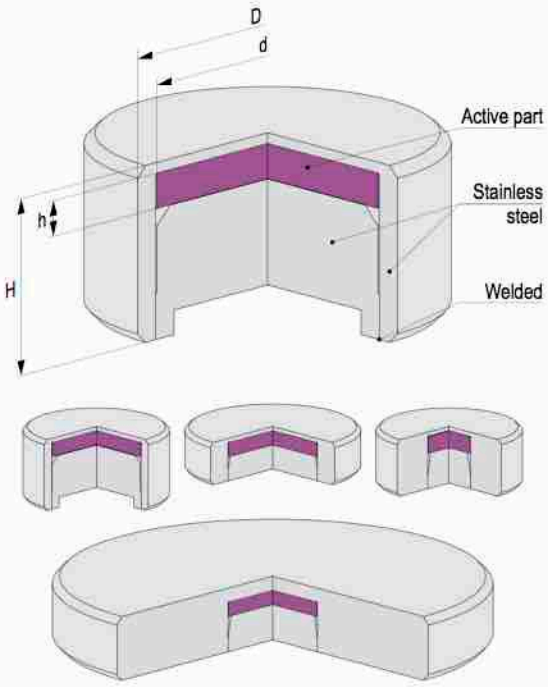


27 12 13 14

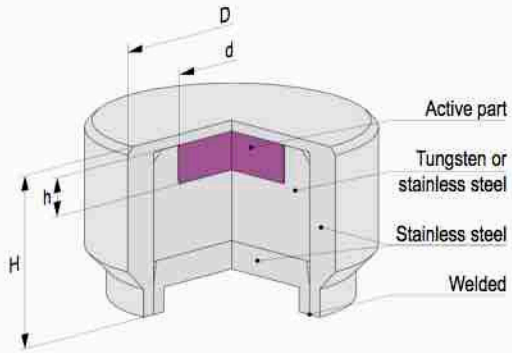
* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



16 17 19 18



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Heavy-duty Sources

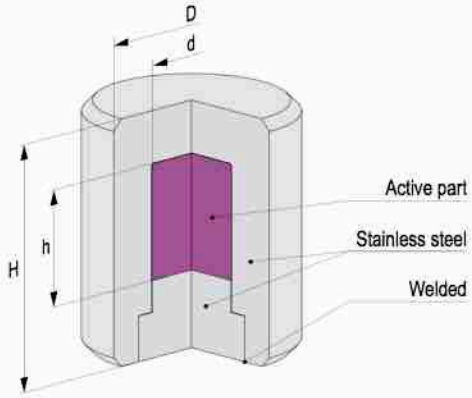
Radionuclide is incorporated in a light ceramic matrix and sealed in a welded stainless steel capsule. GCs7.46 source is double-encapsulated. Recommended working life: 15 years (7 years for GCs7.26 sources).

D×H, mm	d×h, mm	Radio-nuclid	Nominal activity *		ISO classification	Code
			mCi	MBq		
6×7	3×3.3	^{60}Co	0.0027-0.135	0.1-5	C65546	GCo0.25
6×10	4×6.1	^{137}Cs	0.0027-0.135	0.1-5	C65546	GCs7.26
6×9.5	3×4	^{137}Cs	0.0058-0.23	0.215-8.5	C66546	GCs7.46

* — tolerance -10...+20 %

Other activities are available on request

Sources can be supplied complete with holders. For details see page 18



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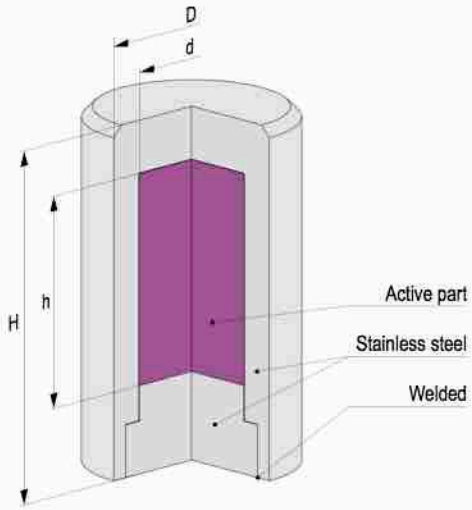

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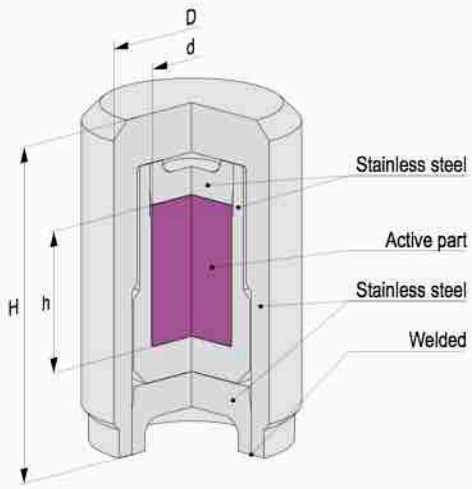

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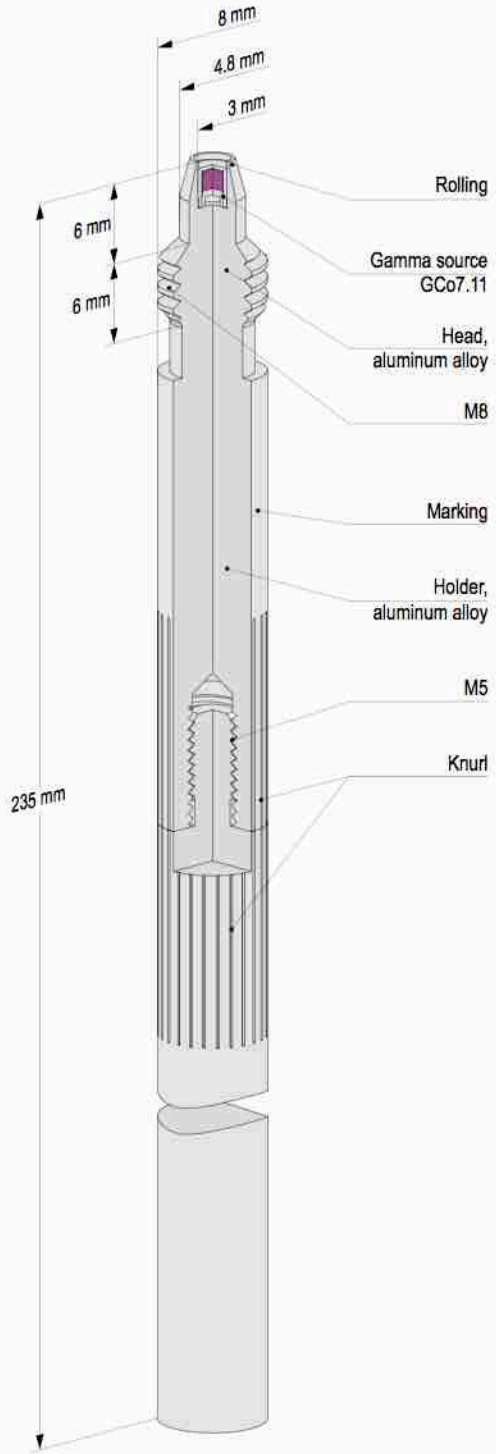
Source Holders

Sources can be supplied complete with holders, developed under the requirements of the Customer.

GCo7.11 source secured in a holder made of aluminum alloy by rolling. The holder is made collapsible for easy transport.



GCs7.11 and GY8.11 sources secured in welded holders made of stainless steel. Holders have a thread for mounting on equipment.