



① fitted to outside diameter item 2 at the choice of manufacturer

Integral leak rate < 1×10^{-10} mbar l/s

Outgassing rate < 5×10^{-12} mbar l/s cm^2

pay attention to F-TG-QUA-de-Schweisstechnik-V007

UHV-suitable cleaning, an example can be found in the guideline F-TG-V6.1e and F-TG-V-6.3e

Details, also to the alternative materials can be found in F-DS-HEB-en-VC_0096_Detailed_Specification_Straight_Tubes

Welding classification DIN EN ISO 5817	Quality level
Vacuum weldings	-B-

Edges ISO 13715 $\begin{matrix} +0.3 \\ -0.1 \end{matrix}$ $\sqrt{Rz25}$

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GSF Helmholtzzentrum für Schwerionenforschung GmbH Planckstrasse 1, 64291 Darmstadt		Surfaces DIN EN ISO 1302:2002	-----Approved-----
Dimensions without tolerance indication DIN ISO 2768-1/-2 DIN ISO 2768-2/-1/-2 DIN EN ISO 1302:08		Weight	8,1 kg
Material		Scale	1:1
Date	Name	Description	Size
Drawn 07.08.2025	EHEGER	Beamtube bakeable	A1
Checked 07.08.2025	ZURKAN		
Approved 22.09.2025	TEBERL	Drawing No.	Rev.
		VC-1450566-A-V05	-
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