

TCB-CBS₁₀ – THERMAL CONDUCTIVE BRAID CBS₁₀



Features

- OFHC copper, annealed
- Gold plated end plates
- Interfaces with CBS₁₀
- Non-magnetic

Description / Applications

Cooling of an experiment can be a challenge, especially in a vacuum without exchange gas. Introducing a Thermal Conductive Braid will help, as it forms a flexible bridge of high thermal conductivity between cold plate and experiment. A TCB can be integrated in any design, but end plates are matched for use with specific JPE positioners. One end plate is sandwiched between the cold plate and positioner, while the other is screwed to the top of the positioner.

Specifications

General info	
End plate compatibility	CBS ₁₀
Dimensions	See drawings below
Operational environmental conditions	20 mK to 375 K, ambient to UHV
Weight	21 g
Thermal properties	
Thermal conductance @5K	25 [mW/K]
Materials	
Main body	OFHC copper with gold plated end plates
Model specific information	
-65	Foil length is 65 mm, for use with a xyz stack

Ordering Information

Available models

TCB-CBS₁₀-65 Thermal Conductive Braid for CBS₁₀ – length 65 mm

Available Options

None Default delivery condition is Ultra High Vacuum compatible

Accessories

None

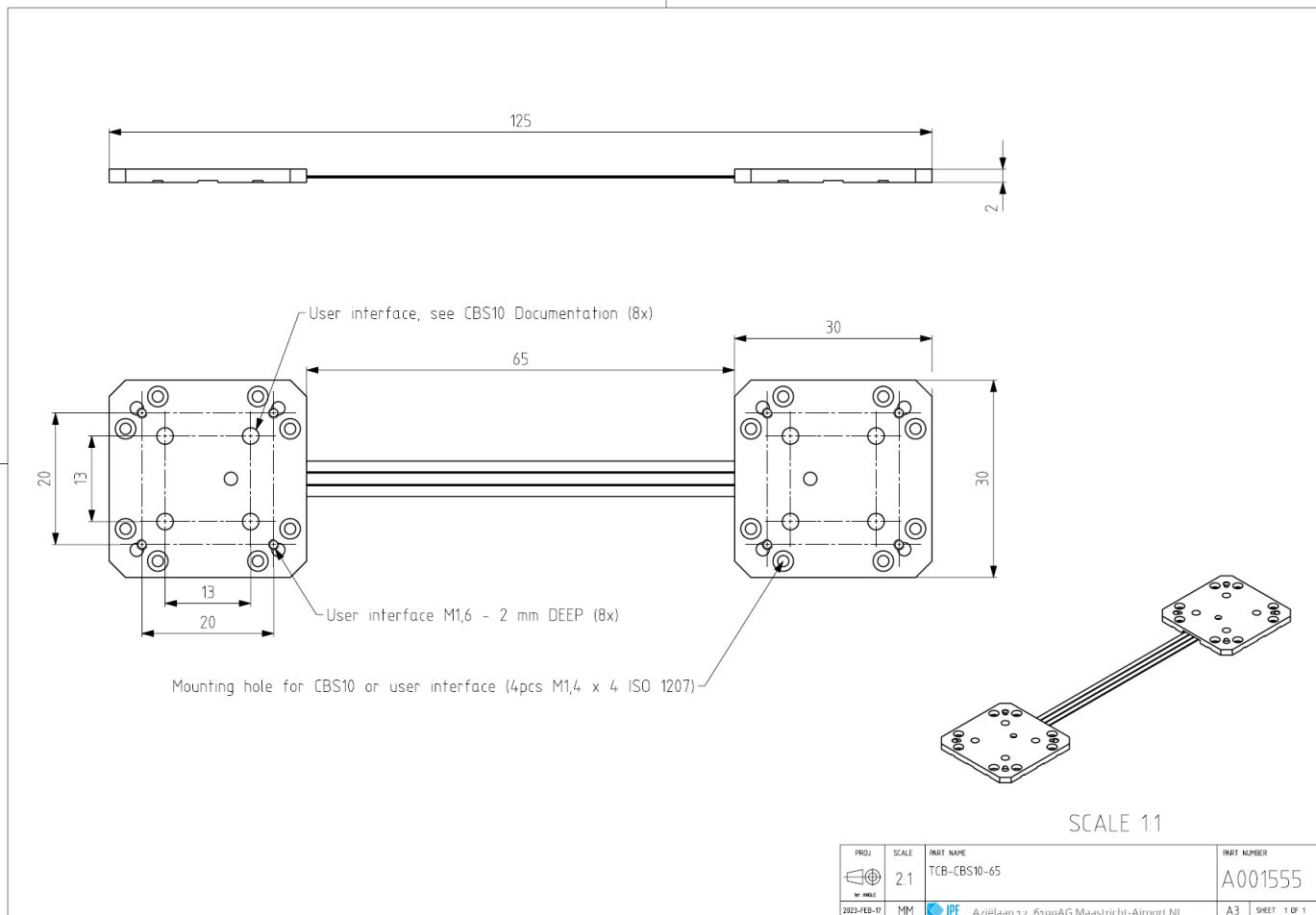
Mechanical and electrical information

Download 3D step files and manuals from:
<https://www.jpe-innovations.com/cryo-nano-products/>

Contact

For quotations, specials, or engineering services, please contact us at:
<https://www.jpe-innovations.com/contact/>

Drawings



PROJ	SCALE	PART NAME	PART NUMBER
	2:1	TCB-CBS10-65	A001555
2023-FEB-17	MM	 Aziëlaan 12, 6199AG Maastricht-Airport NL	A3 SHEET 1 OF 1

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