

Satellite Meeting on CS Joint Mock-up – TCM43

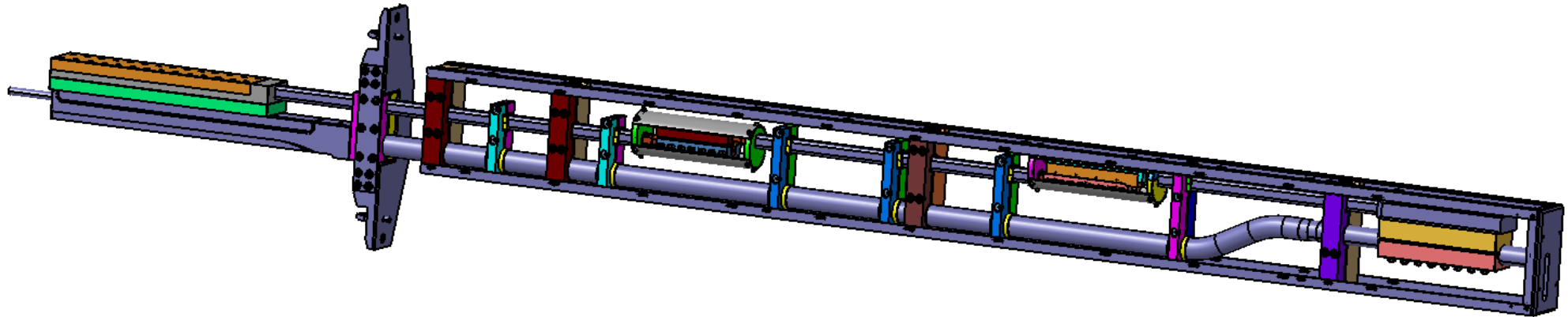
Updated schedule for the preparation of Build-to-Print drawings

M. Bombardieri (ENEA)

19th May 2025

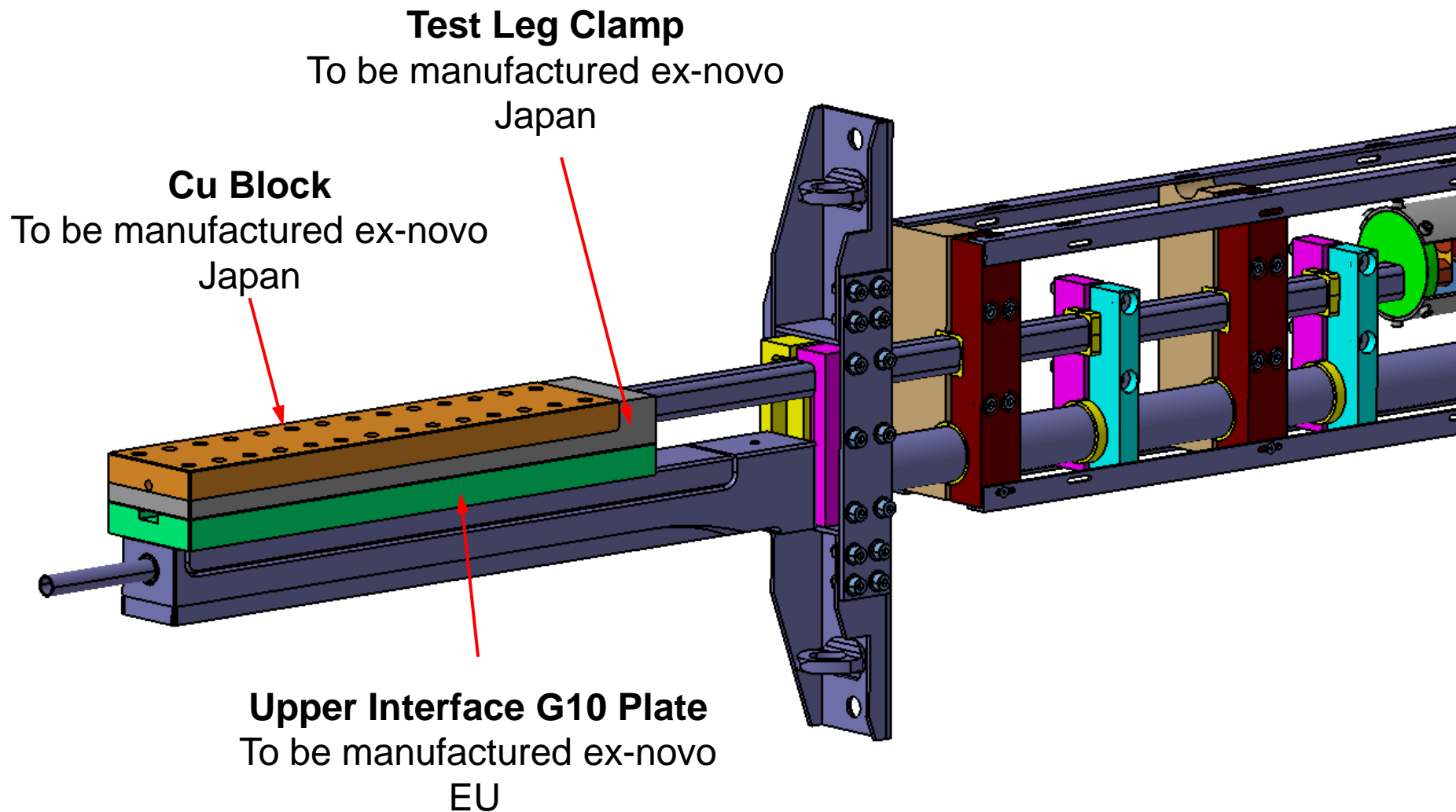
1.1. General Overview

In grey the parts already manufactured (do not need drawings)
Colored the parts to be manufactured (need drawings)



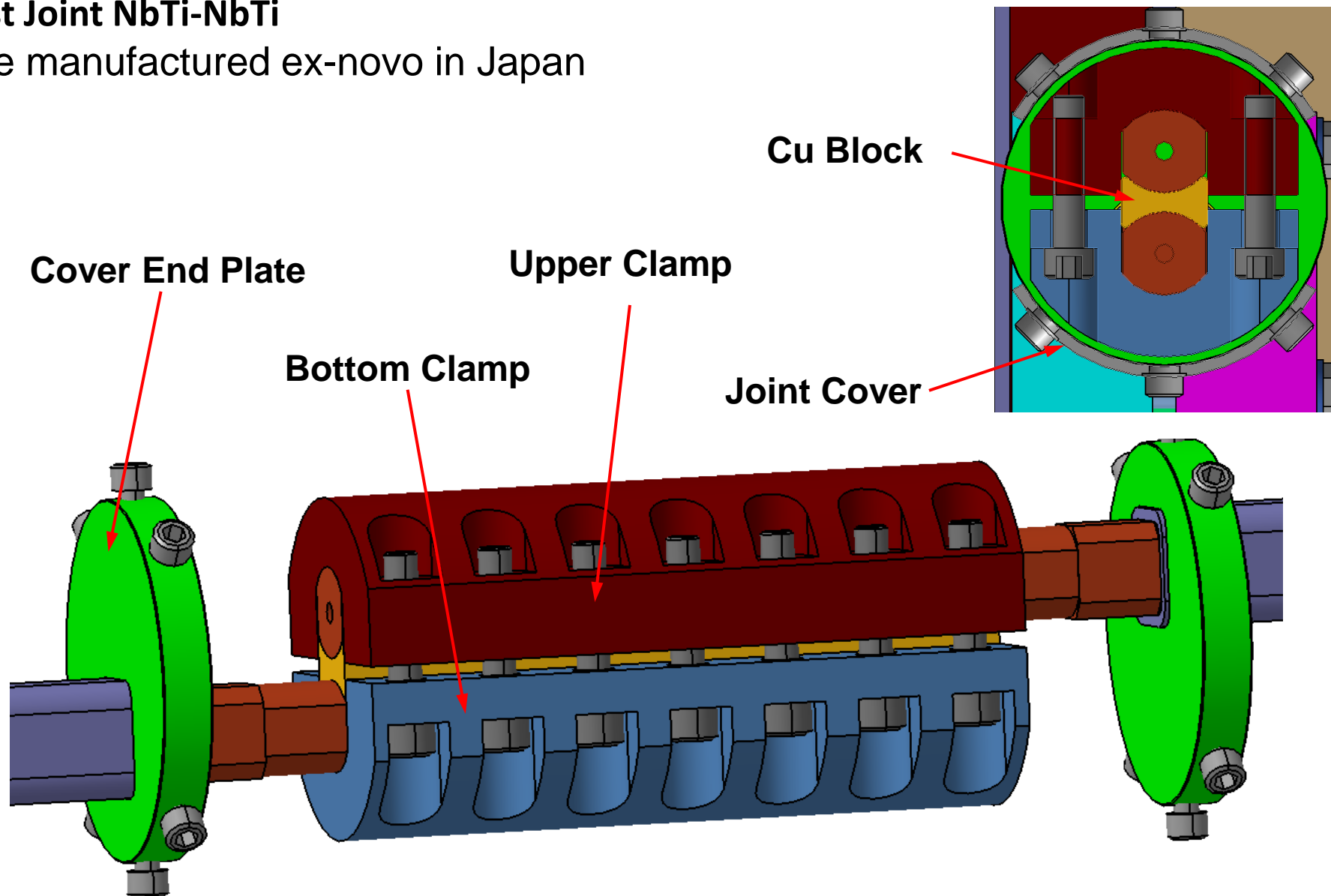
This presentation does not provide details on the parts already manufactured (grey) and available in CEA or QST.

1.2 Current Lead Connection



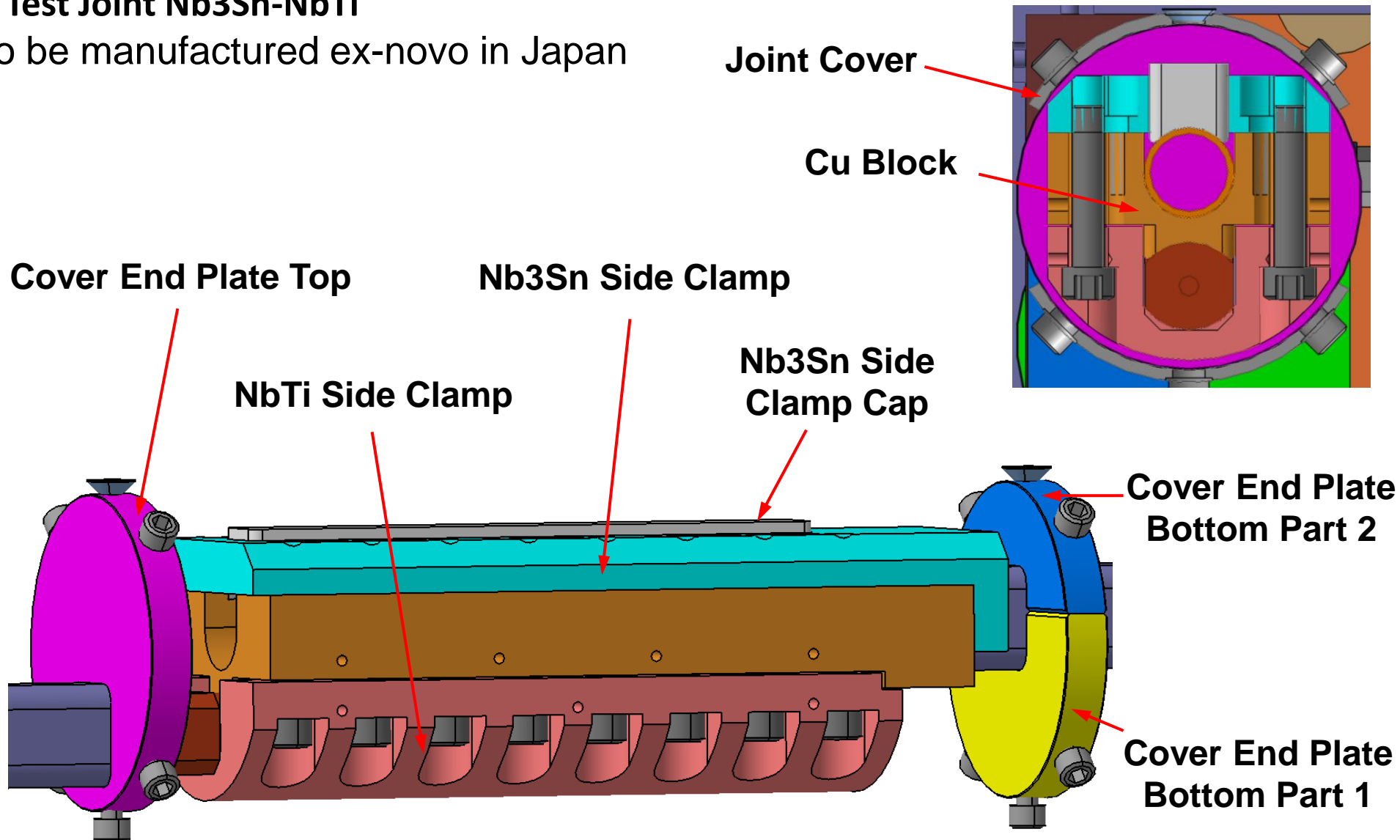
1.3 Test Joint NbTi-NbTi

To be manufactured ex-novo in Japan

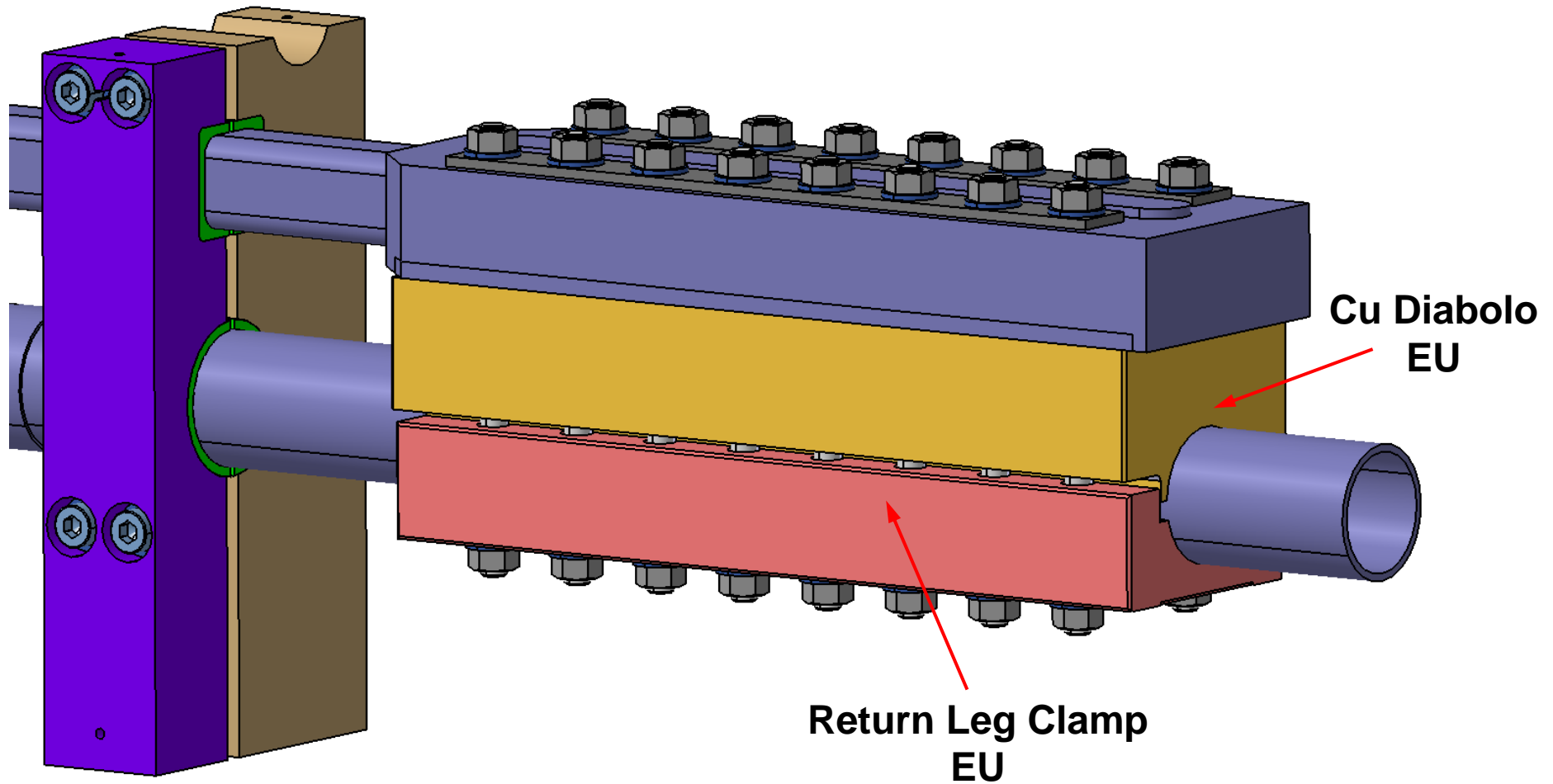


1.4 Test Joint Nb3Sn-NbTi

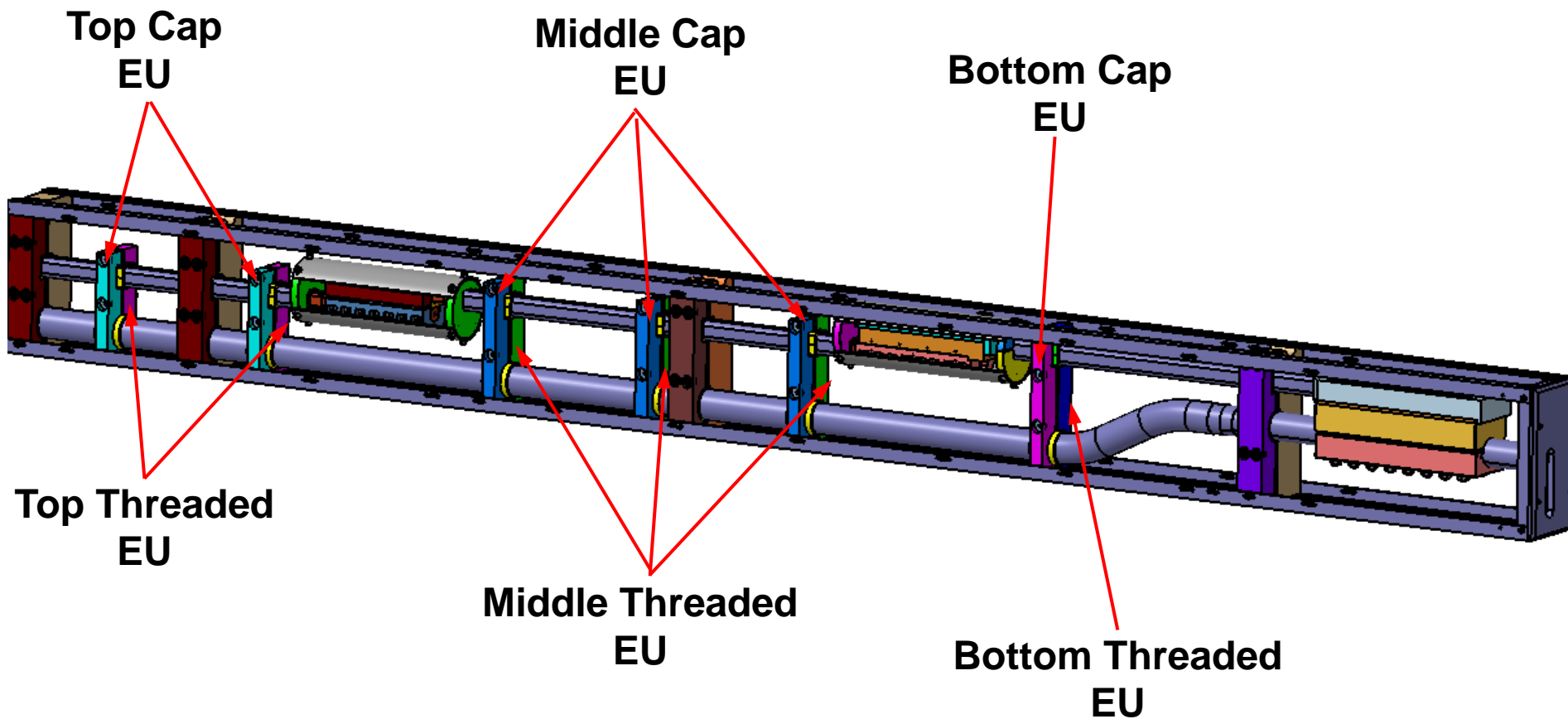
To be manufactured ex-novo in Japan



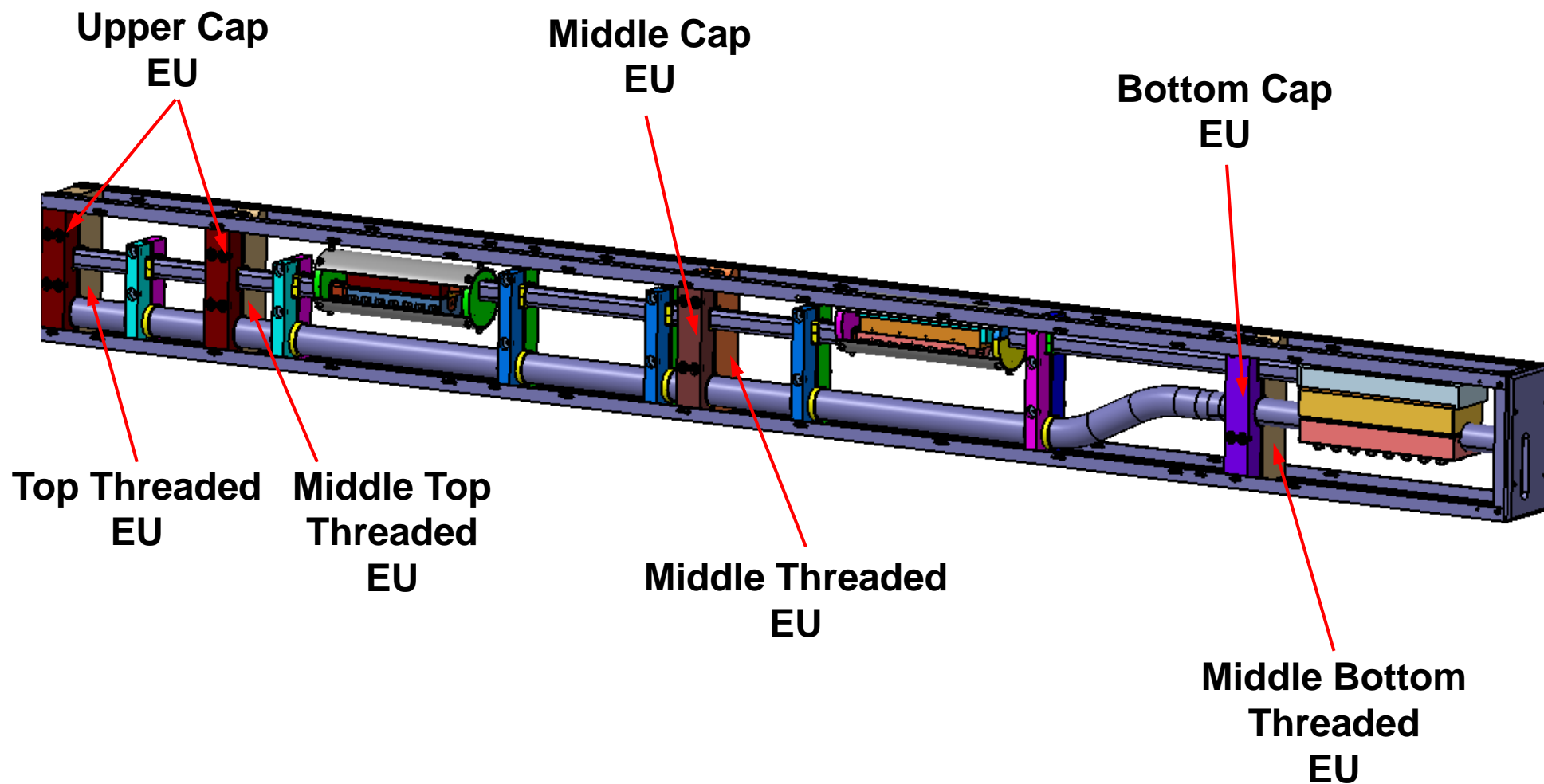
1.5 Bottom Connection



1.6 Conductors Clamp



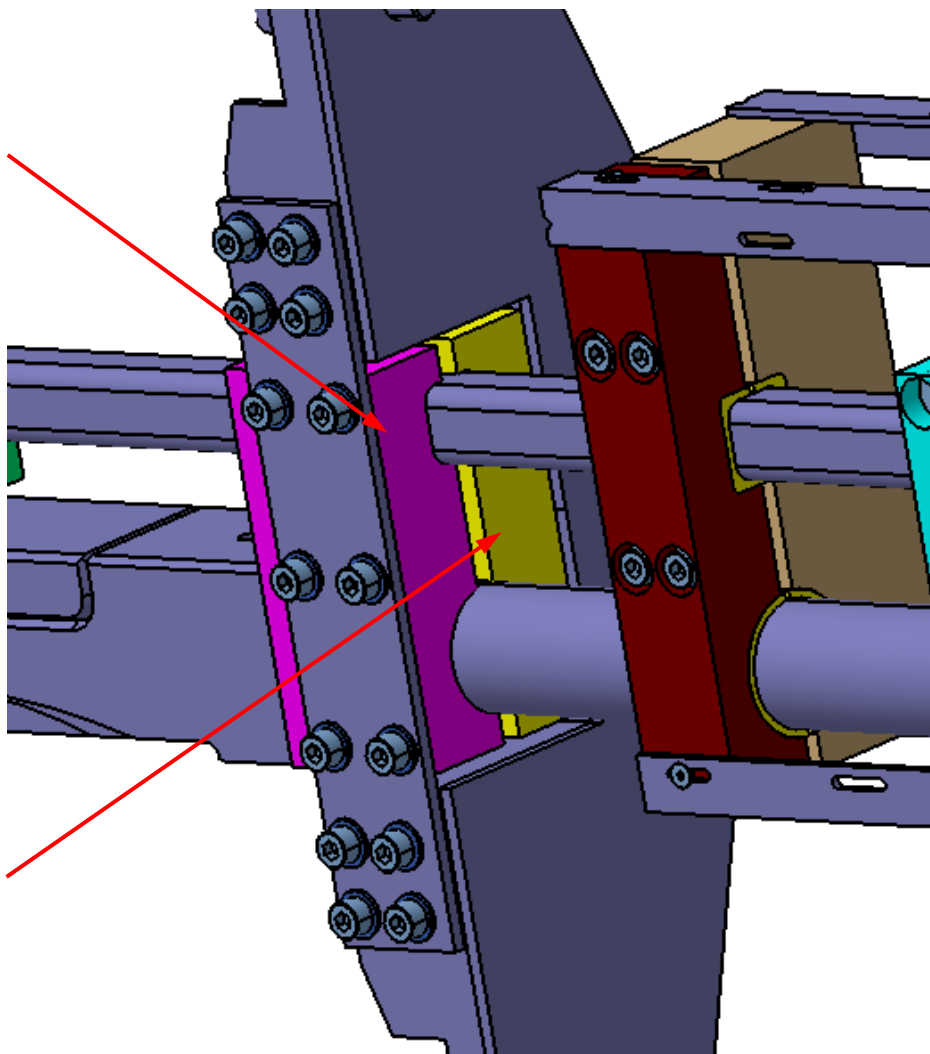
1.7 Corners Clamp



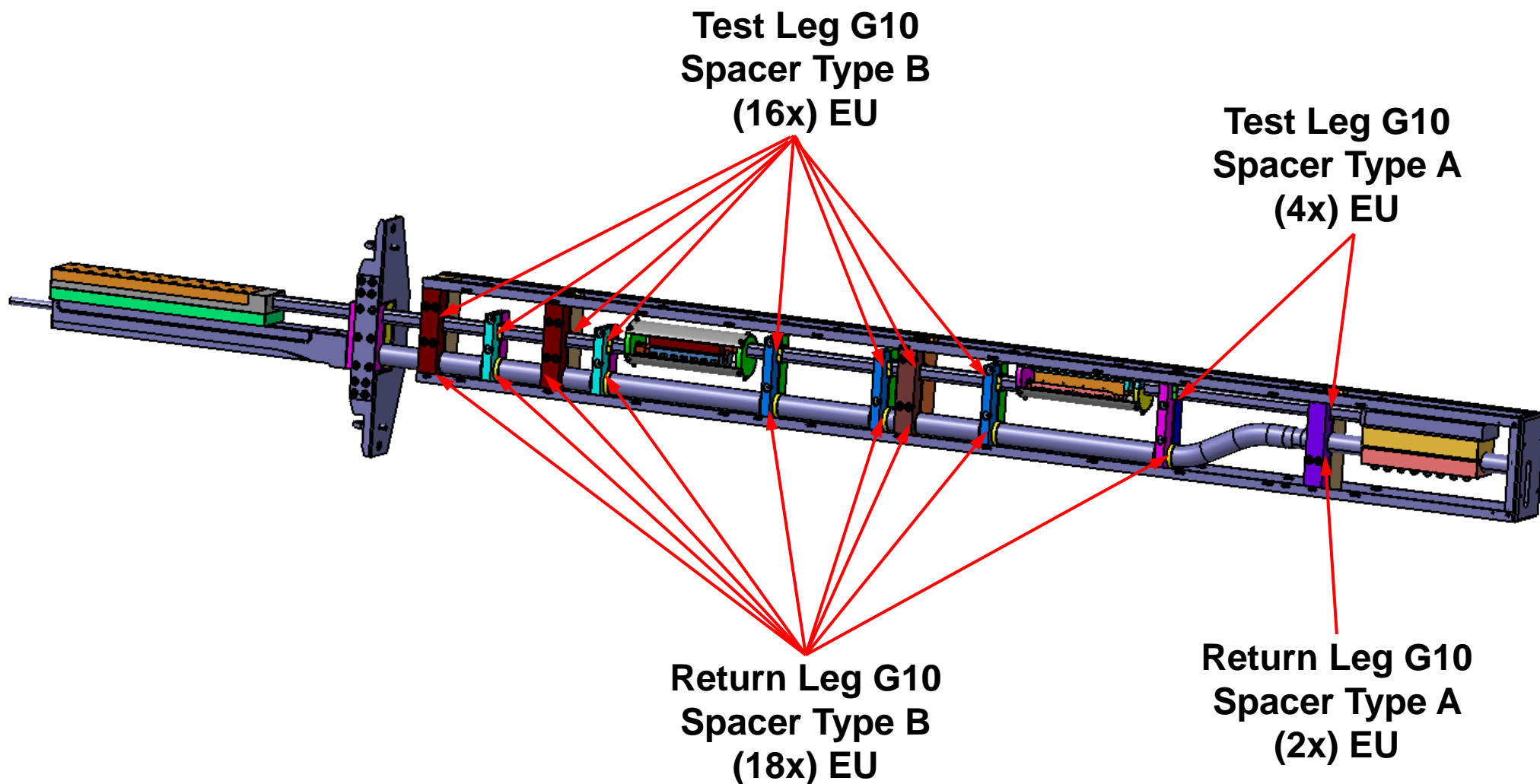
1.8 Sample Lifting Clamp

Conductor Clamp 2
EU

Conductor Clamp 1
EU



1.9 G10 Spacers



1.10 List of the parts to be manufactured in European Union

Drawing Name	Drawing #	Parts Name	Material	Mass (kg)	Qty.	Due Date	EU/JA
Return & Test Leg Bottom Connection - Cu Diabolo	CSJM001	Cu Diabolo	OFCu	6,90	1	August 2025	EU
Return & Test Leg Bottom Connection - Return Leg Clamp	CSJM002	Return Leg Clamp	SUS304	3,50	1	August 2025	EU
Return & Test Leg Upper Interface - G10 Plate	CSJM003	G10 Plate	G10	2,50	1	August 2025	EU
Sample Lifting Clamp - Conductors Clamp 1	CSJM004	Conductors Clamp 1	SUS304	1,85	1	August 2025	EU
Sample Lifting Clamp - Conductors Clamp 2	CSJM005	Conductors Clamp 2	SUS304	1,85	1	August 2025	EU
Corners Clamps - Top Threaded	CSJM006	Top Threaded	Aluminium	1,50	1	August 2025	EU
Corners Clamps - Upper Cap	CSJM007	Upper Cap	Aluminium	0,70	2	August 2025	EU
Corners Clamps - Middle Top Threaded	CSJM008	Middle Top Threaded	Aluminium	1,50	1	August 2025	EU
Corners Clamps - Middle Cap	CSJM009	Middle Cap	Aluminium	0,70	1	August 2025	EU
Corners Clamps - Middle Threaded	CSJM010	Middle Threaded	Aluminium	1,50	1	August 2025	EU
Corners Clamps - Bottom Cap	CSJM011	Bottom Cap	Aluminium	0,70	1	August 2025	EU
Corners Clamps - Middle Bottom Threaded	CSJM012	Middle Bottom Threaded	Aluminium	1,50	1	August 2025	EU
Conductor Clamp - Top Cap	CSJM013	Top Cap	Aluminium	0,20	2	August 2025	EU
Conductor Clamp - Top Threaded	CSJM014	Top Threaded	Aluminium	0,20	2	August 2025	EU
Conductor Clamp - Middle Cap	CSJM015	Middle Cap	Aluminium	0,20	3	August 2025	EU
Conductor Clamp - Middle Threaded	CSJM016	Middle Threaded	Aluminium	0,20	3	August 2025	EU
Conductor Clamp - Bottom Cap	CSJM017	Bottom Cap	Aluminium	0,20	1	August 2025	EU
Conductor Clamp - Bottom Threaded	CSJM018	Bottom Threaded	Aluminium	0,20	1	August 2025	EU
Test Leg G10 Spacer Type A	CSJM019	Test Spacer Type A	G10	0,02	4	August 2025	EU
Test Leg G10 Spacer Type B	CSJM020	Test Spacer Type B	G10	0,02	16	August 2025	EU
Return Leg G10 Spacer Type A	CSJM021	Return Spacer Type A	G10	0,02	2	August 2025	EU
Return Leg G10 Spacer Type B	CSJM022	Return Spacer Type B	G10	0,02	18	August 2025	EU

1.11 List of the parts to be manufactured in Japan

Drawing Name	Drawing #	Parts Name	Material	Mass (kg)	Qty.	Due Date	EU/JA
Test Leg CurrentLead Connection - Clamp	CSJM023	Clamp	SUS304	5,50	1	June 2025	JA
Test Leg CurrentLead Connection - Cu Block	CSJM024	Cu Block	OFCu	8,00	1	June 2025	JA
Test Leg CurrentLead Connection - Clamp Cover	CSJM025	Clamp Cover	SUS304	1,25	1	June 2025	JA
Test Joint NbTi-NbTi - Joint Cover	CSJM026	NbTi Joint Cover	SUS304	0,60	2	June 2025	JA
Test Joint NbTi-NbTi - Bottom Clamp	CSJM027	NbTi Bottom Clamp	SUS304	2,00	1	June 2025	JA
Test Joint NbTi-NbTi - Upper Clamp	CSJM028	NbTi Upper Clamp	SUS304	2,00	1	June 2025	JA
Test Joint NbTi-NbTi - Cu Block	CSJM029	NbTi Cu Block	OFCu	0,30	1	June 2025	JA
Test Joint NbTi-NbTi - Cover EndPlate	CSJM030	NbTi Cover End Plate	SUS304	0,50	2	June 2025	JA
Test Joint Nb3Sn-NbTi - Joint Cover	CSJM031	Nb3Sn Joint Cover	SUS304	0,60	2	June 2025	JA
Test Joint Nb3Sn-NbTi - NbTi Side Clamp	CSJM032	NbTi Side Clamp	SUS304	1,60	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Nb3Sn Side Clamp	CSJM033	Nb3Sn Side Clamp	SUS304	1,00	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Cu Block	CSJM034	Nb3Sn Cu Block	OFCu	2,00	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Nb3Sn Side Clamp Cap	CSJM035	Nb3Sn Side Clamp Cap	SUS304	0,50	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Cover EndPlate Top	CSJM036	Cover EndPlate Top	SUS304	0,50	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Cover EndPlate Bottom Part 1	CSJM037	Cover EndPlate Bottom Part 1	SUS304	0,30	1	June 2025	JA
Test Joint Nb3Sn-NbTi - Cover EndPlate Bottom Part 2	CSJM038	Cover EndPlate Bottom Part 2	SUS304	0,20	1	June 2025	JA

Thank you for your attention

Questions?