

ISO 9001:2015	Document No: TM/HM/6/541	Version No:0.0	Date effective: 30/10/2023
Specification of Coupling Cover for Tamping Unit of Unimat-2S/3S (Part no. E120.13B)			



**RESEARCH DESIGNS AND STANDARDS ORGANISATION
Manak Nagar, Lucknow-226011**

Track Machine and Monitoring Directorate

**SPECIFICATION NO.TM/HM/6/541
SPECIFICATION OF COUPLING COVER FOR TAMPING UNIT OF UNIMAT-2S/3S
(PART NO. E120.13B)**

DTM-VI	EDTM	Page 1 of 3
Prepared By:	Issued By:	

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- 1.0 Scope:** This specification covers the dimensional, functional and material requirements with testing criteria of Coupling Cover for Tamping Unit of Unimat. This specification may be treated as provisional subject to modifications based on service performance.
- 2.0 Reference documents:** Following documents have been referred to in this specification. Full sets of relevant drawings and the referred codes/ specifications, duly incorporating the up-dated corrections/amendments, shall be available for reference at manufacturer's works.
- i) IS:1285 - 2002 – Wrought aluminium and aluminium alloys-extruded round tube and hollow sections for general engineering purposes-specification.
 - ii) IS:77-1976 - Linseed oil for paints - specification.
 - iii) RDSO Drg. No.- RDSO/TM/11/23 Coupling Cover for Tamping Unit of Unimat.
- 3.0 Functional requirement:** it is used for protecting Coupling of tamping unit for dust and foreign material. All surfaces meant for machining shall be finished as mentioned in the drawing no. RDSO/TM/11/23.
- 4.0 Dimension & Tolerance:** Dimensions and tolerances of Coupling Cover for Tamping Unit of Unimat shall be as mentioned in RDSO drawing no. RDSO/TM/11/23.
- 5.0 Material:** The Coupling Cover for Tamping Unit of Unimat shall be made from aluminium material conform to IS:1285-2002-Wrought aluminium and aluminium alloys.
- 6.0 Manufacturing Process:** The Coupling Cover for Tamping Unit of Unimat shall be made by casting and machining process of specified material.
- 7.0 Marking:** Month and year of manufacture and manufacturer's code / identification shall be engraved / embossed on the non-functioning surface of Coupling Cover for Tamping Unit of Unimat.
- 8.0 Inspection and Acceptance Criteria:**
- i) Each component offered by manufacturer shall be checked visually for their surface finish, freedom from defect like porosity, cracks, improper edges etc. Machined surface shall be checked by any suitable pneumatic or electronic equipment.

DTM-VI	EDTM	Page 2 of 3
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- ii) The component found suitable after visual inspection shall be checked for their dimensional characteristics as per relevant drawing.
- iii) Supplier shall produce the certificate that the raw material used for manufacturing of the component conforms to material specified as mentioned in Para 5.0.
- iv) Any deviations in the test result from the requirement of the specification and drawing shall be the cause of rejection.

9.0 Packing and Protection: Each component shall be protected with one coat of boil linseed oil conforming to IS: -77-1976 (linseed oil for paint) and shall be packed in card board case.

DTM-VI	EDTM	Page 3 of 3
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