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Specification of Cover for fly wheel of CSM/DUO (Part no. C-1005)			



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

**Track Machine and Monitoring Directorate**

**SPECIFICATION NO.TM/HM/6/542  
SPECIFICATION OF COVER FOR FLY WHEEL OF CSM/DUO  
(PART NO. C-1005)**

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## SPECIFICATION NO.TM/HM/6/542

### SPECIFICATION OF COVER FOR FLY WHEEL OF CSM/DUO (PART NO. C-1005)

- 1.0 Scope:** This specification covers the dimensional, functional and material requirements with testing criteria of Cover for fly wheel of CSM/DUO. 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/12/23 Cover for fly wheel of CSM/DUO.
- 3.0 Functional requirement:** it is used for protecting fly wheel for dust and foreign material. All surfaces meant for machining shall be finished as mentioned in the drawing no. RDSO/TM/12/23.
- 4.0 Dimension & Tolerance:** Dimensions and tolerances of Cover for fly wheel shall be as mentioned in RDSO drawing no. RDSO/TM/12/23.
- 5.0 Material:** The Cover for fly wheel shall be made from aluminium material conform to IS: 1285-2002-Wrought aluminium and aluminium alloys.
- 6.0 Manufacturing Process:** The Cover for fly wheel 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 Cover for fly wheel.
- 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.

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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.

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