

IS 17155:2019 –Tricycle, Single Hand Propelled (Right/Left) (Junior Size)-Specification

IS 17155:2019 specifies the requirements for single hand propelled tricycles designed for junior users with disabilities affecting their lower extremities. This standard aims to provide a safe and adaptable mobility solution for children, ensuring that the tricycles are functional and user-friendly. This standard excludes power-driven tricycles.

Key aspects covered by IS 17155:2019:

- 1. Dimensions and Design:** The standard specifies the overall dimensions, seat size, handlebar height, and other design parameters to ensure a proper fit and comfortable riding experience.
- 2. Material:** The standard specifies the materials used for the frame, wheels, seat, backrest, and other components, including the type of steel, rubber, and other materials.
- 3. Functional Requirements:** The standard sets requirements for the steering mechanism, braking system, wheel assembly, and drive chain to ensure safe and efficient operation.
- 4. Testing Requirements:** The standard specifies various tests, including road tests, maneuverability tests, load tests, brake tests, and finish tests, to ensure the tricycle's overall stability.
- 5. Marking:** The standard specifies the information that should be marked on the tricycle, including the manufacturer's name, Batch No. and date of manufacturing and any other special information regarding design and intended use.

In summary, IS 17155:2019 ensures that single hand propelled tricycles are designed with safety, adaptability, and user needs in mind, promoting independence and mobility for children with disabilities.