



उत्पाद मैनुअल

यात्री लिफ्ट और सर्विस लिफ्ट - लिफ्ट कारों और काउंटरवेट के लिए गाइड रेल - टी-टाइप
आईएस 17806:2022/ आईएसओ 7465:2007

**PRODUCT MANUAL FOR
PASSENGER LIFTS AND SERVICE LIFTS - GUIDE RAILS FOR LIFT CARS AND COUNTERWEIGHTS - T-TYPE
ACCORDING TO
IS 17806: 2022/ISO 7465:2007**

1.	मानक संख्या IS No.	:	IS 17806: 2022/ISO 7465:2007
	शीर्षक Title	:	Passenger Lifts and Service Lifts - Guide Rails for Lift Cars and Counterweights — T-Type
	संशोधनों की संख्या No. of amendments	:	-
2.	नमूना दिशानिर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	1 m raw material (steel) sample. Conformity to Cl.5 of IS 17806:2022.
b)	समूहीकरण दिशानिर्देश Grouping Guidelines	:	Please refer ANNEX – A
c)	नमूने का परिमाण Sample Quantity	:	5 numbers
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer ANNEX – B
4.	निरीक्षण और परीक्षण की स्कीम Scheme of Inspection and Testing	:	Please refer ANNEX – C .
5.	एक दिन में संभावित परीक्षण	:	All tests

	Possible tests in a day		
6.	लाइसेंस का दायरा /Scope of the Licence:		
	Licence is granted to use Standard Mark for Guide Rails for Lift Cars and Counterweights - T-Type as per IS 17806: 2022 with the following scope:		
	Designation:		
	Variety:	Guide rails with/without fish plates	

ANNEX – A
Grouping Guidelines

- 1) Guiderrails can be manufactured by using the following manufacturing process.
 - (i) Cold drawn (/A)
 - (ii) Machined (/B)
 - (iii) Machined High Quality Type (/BE)
- 2) Manufacturers shall declare the designations of the Guide rails being manufactured by them along with the manufacturing process.
- 3) Following grouping may be applicable for grant of licence/ inclusion:
 - a) Guide rails with any foot size may be tested to cover all foot sizes with same manufacturing process i.e. cold drawn (/A); machined (/B) or machined high-quality type (/BE).
 - b) In case machined high-quality type (/BE) is tested, machined (/B) may be covered without further testing.
 - c) In case guide rails with fish plate are tested, guide rail without fish plate may be covered without further testing.
- 4) The Scope of Licence may be restricted based on the Manufacturing capability and Testing facilities of the Manufacturer.
- 5) During the operation of the Licence, BO shall ensure that all the designations of the guide rails covered in the Licence are tested in rotation to the extent possible.

ANNEX – B**List Of Test Equipment***(INDICATIVE LIST, FOR GUIDANCE ONLY)*

Major test equipment required to test as per the Indian Standard.

Clause	Test	Testing equipment / Material needed
6.2.1	Length	Measuring Tape
6.2.2, 6.2.3,6.2.4 and 6.2.8	Dimensions	Vernier Caliper, Micrometer , Depth Micrometer, Flange Micrometer, Height Gauge, Feeler Gauge, Radius Gauge, 45 deg Angle Gauge, Surface Plate, Try Square.
6.2.5	Surface Finish	Surface Roughness Tester

Note: The above list is indicative only and may not be treated as exhaustive.

ANNEX – C

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence, manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or subcontracting/sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: *All the guide rails and fish plates having same designation manufactured in a day using the same manufacturing process*, shall constitute a control unit.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

2. ENSURING COMPLIANCE THROUGH TESTING-

Manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred :

- i) Shared testing resources like common facility,
- ii) Cluster based testing facility,
- iii) Sub-contracting to outside laboratories which may either be:
 - a) BIS recognised/empanelled laboratories, or
 - b) Any accredited laboratory as per ISO/IEC 17025

2.1 TEST RECORDS-

The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of

licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING

3.1 The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each Guide rail and also on its labelling (wherever applicable) provided always that the Guide rail so marked conforms to each requirement of the specification. In addition, marking shall be done as per the Cl. 6.1 and Cl. 6.3 of the IS 17806: 2022.

3.2 Additional Marking requirements: Additionally, the following shall be marked on product or package or both

- a) Designation
- b) For BIS certification details please visit www.bis.gov.in”

4. HYGIENIC CONDITIONS (if applicable) – NA.

5. REJECTION

All the production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

TABLE 1
(ONLY FOR GUIDANCE PURPOSE)

(1)				(3)		
	Test Details			Levels of Control		
Cl.	Requirement	Test Methods		No. of Sample	Frequency	Remarks
		Clause	Reference			
5	Manufacture and Material	5	IS 17806/ ISO 7465	Each consignme nt of Raw Material received	Further testing is not required if supplied with BIS Standard Mark or with Test certificate showing conformity to clause 5 of ISS.	
7.1	Fishplate material	7.1				
6.2.1	Length	6.2.1		3	Each Control Unit	
6.2.2,6.2.3, 6.2.4	Dimensions	6.2.2,6.2.3, 6.2.4		3	Each Control Unit	
6.2.5	Surface Finish	6.2.5		3	Each Control Unit	
6.2.6	Machined edges	6.2.6		Firm should exercise adequate control so that whole production should meet the requirements. Records shall be maintained.		
6.2.7	Holes in guide rails	6.2.7				
6.2.8	Geometrical tolerances	6.2.8		3	Each Control Unit	
7.2	Fishplate Dimensions	7.2		3	Each Control Unit	
7.3	Fishplate form tolerances	7.3		3	Each Control Unit	
7.4	Fishplate Holes	7.4		Firm should exercise adequate control so that whole production should meet the requirements. Records shall be maintained.		