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उत्पाद मैन्युअल
पुल हैंडल्स,
आई एस 17706 : 2022 के अनुसार

PRODUCT MANUAL FOR
PULL HANDLES ACCORDING TO IS 17706:2022

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो) अनुरूपता मूल्यांकन (विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment)Regulations,2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification.

1.	मानक सोंख्या **IS No.**	:	IS 17706 : 2022
	शीर्िक **Title**	:	Pull Handles
	सोंशोधनोों की सोंख्या **No. of amendments**	:	Nil
2.	नमूना र्दशार्नदेश **Sampling Guidelines**		
a)	कच्चा माल **Raw material**	:	Nil
b)	समूहीकरण र्दशार्नदेश **Grouping Guidelines**	:	Please refer to Annex-A
c)	नमूने का पररमाण **Sample Quantity**	:	5 sets
3.	परीक्षण उपकरणोों की सूची **List of Test Equipment**	:	Please refer to Annex-B
4.	र्नरीक्षण और परीक्षण की स्कीम **Scheme of Inspection and Testing**	:	Please refer to Annex-C

5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day**	
	(i) Dimensions and Tolerances (Cl 3.0) (ii) Manufacture (Cl 4.2 & 4.3)	
6.	**लाइसेंस का दायरा /Scope of the Licence:**	
	"Licence is granted to use Standard Mark as per IS 17706 : 2022 with the following scope:	
	Name of the product	Pull handles
	Type of handle	D/ H/ Other Types
	Grade of Service Condition (Corrosion Resistance)	1/2/3/4
	Durability Category	1/2/3/4
	Type of Finish	1/2/3/4

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ANNEX-A

Grouping Guidelines

1. Pull Handles as per IS 17706 : 2022 is categorized as below:

   a) Type of Pull Handle : D/ H/ Other Types

   NOTE: Other types (i.e. shapes and sizes) of pull handles may also be manufactured as per the agreement between manufacturer and purchaser. For other types of pull handles, the manufacturer shall submit its design along with the drawing.

   b) Grade of Service Condition (Corrosion Resistance) - 1/2/3/4

   c) Durability Category- 1/2/3/4

   d) Type of Finish - 1/2/3/4

2. Considering the above, the following grouping guidelines for GoL/ CSoL shall be followed:

   (i) One sample of each type of handle, each grade of service condition (corrosion resistance) and each durability category shall be tested to cover that particular type of handle, grade of service condition (corrosion resistance) and durability category.

   (ii) Pull handle with any Type of finish shall be tested to cover all Types of finish in the scope of licence.

3. The Firm shall declare the varieties of Pull Handles intended to cover in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.

4. During the operation of the Licence, BO shall ensure that all the types and sizes covered in theLicence are tested in rotation, to the extent possible.

ANNEX-B

List of Test Equipment

(INDICATIVE LIST, FOR GUIDANCE ONLY)

S. No.	Tests used in with Clause Reference	Test Equipment
1.	Dimension and Tolerances (Cl 3.0)	- Vernier caliper - Micrometer - Ring and Plug Gauges
2.	Finish (Cl 4.4)	- Equipment as per IS 1068 - Equipment as per IS 1378, - Equipment as per IS 1868
3.	Corrosion Resistance - Salt Spray Test (Cl 5.1)	- Spray Cabinet, - Means of supplying and controlling heat, - Means for spraying the salt solution, - weighing balance, - PH meter, - Sodium chloride
4.	Durability (Cl 5.2.1)	- Duarbility test apparatus as per fig.6 of Annex A of IS 17706 - Dry and wet bulb thermometer

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

ANNEX C
SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1.1 It is expected that manufacturers (licensees/applicants) will implement a Quality Assurance Plan 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 defining the control unit (i.e. lot/batch etc.) and the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and submit the same to BIS Branch Office for information. The manufacturer shall comply with the same and maintain test records in accordance with para 2.4.

1.3 **RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT**:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is : All pull handles of same type of handle, grade of service condition, durability category and type of finish manufactured from same materials in one day 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**.

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. Alternatively, the manufacturer has the option of adherence to the quality plan as per levels of control recommended in column 3 of Table 1.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2 **ENSURING COMPLIANCE THROUGH TESTING-** It is expected that manufacturers (licensees/applicants) will establish a suitably equipped and staffed in house laboratory (In house testing facility) for testing at least those parameters of the Indian Standard which require routine testing for ensuring quality of the product. This includes in-process controls as may be defined and put in place by the manufacturer and testing parameters/requirements which can only be performed in the factory.

2.3 For the guidance of manufacturers, Table 1 giving the recommended levels of control is givenbelow. Column 2 of Table 1 indicates routine tests where test equipment is required in house as “R” or other tests which can be subcontracted as “S”. Subcontracting is permitted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.4 For MSME manufacturers, the requirement of maintaining a laboratory/in-house testing facility for routine tests (indicated as “R” in Column 2 of Table 1) is also optional.

2.4.2 MSME manufacturers may utilize common cluster based facilities as per guidelines for the utilization of cluster based test facilities by MSMEs or the provisions of Sharing of testing facilities or get testing done from

BIS recognized/empaneled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.5 **Large Scale manufacturers shall maintain an in-house laboratory equipped at least with test facilities for routine tests (indicated as "R" in Column 2 of Table 1)**, where different tests given in the specification shall be carried out in accordance with the method given in the specification**.** They shall also implement a calibration plan for the in-house test equipment.

2.5.2 Alternatively, in lieu of an in-house laboratory, large scale manufacturers can also utilize theprovisions of Sharing of testing facilities as per the Guidelines for Grant of Licence available on BIS website www.bis.gov.in. (Under Conformity Assessment>Product Certification Process). Even for subcontracted tests, provisions for sharing of testing facilities can be utilized.

2.6 **TEST RECORDS**- The manufacturers maintaining an in-house laboratory or utilizing common cluster based facilities or shared test facilities shall maintain test records for the tests carried out to establish conformity. For the tests being subcontracted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025, test reports issued by the laboratories shall be available for inspection by BIS.

3 **PACKING AND MARKING -** The Standard Mark as given in the Schedule of the licence shall be legibly and indelibly marked on each pull handle, provided always that the product so marked conforms to all requirements of the specification.

3.3 Packing and Marking shall be done as per Clause 7 & 8 of IS 17706:2022.

3.4 **Additional Marking requirements**: Each packing of pull handles shall also be marked with the following additional requirement:

a) "For BIS certification details please visit www.bis.gov.in"

4 **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)				(2)	(3)		
Test Details				**Test equipment requirement R: required (or) S: Sub-contracting permitted**	**Levels of Control**		
Clause	**Requirement**	**Test Methods**			**No. of Sample**	**Frequency**	**Remarks**
		Clause	**Reference**				
3.0	Dimensions and Tolerances	3.0	IS 17706	R	Firm to have adequate in-process controls to check compliance of this parameter as per the tolerances given in the Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity		
4.2 & 4.3	Manufacture	4.2 & 4.3	IS 17706				
4.4	Finish	4.4	IS 17706	R	One	From each batch of material finished together	
5.1	Corrosion Resistance	5.1	IS 17706	S	One	Once in three months	All varieties produced during the period shall be tested for this requirement
5.2	Durability	5.2	IS 17706	S	One	Once in six months	Varieties shall be tested in rotation for this requirement