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IS 1450 : 1991  
( Superseding IS 1557 : 1972 )

भारतीय मानक

हथकरघा निर्मित सूती दरियाँ — विशिष्ट  
( दूसरा पुनरीक्षण )

*Indian Standard*

HANDLOOM COTTON *DURRIES* —  
SPECIFICATION  
( *Second Revision* )

P/168

UDC 677.64 : 645.12

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December 1991

Price Group 2

## Indian Standard

HANDLOOM COTTON DURRIES  
SPECIFICATION

( Second Revision )

17440  
5/10/98**1 SCOPE**

1.1 This standard prescribes constructional particulars and other requirements for twentyfour varieties of handloom cotton *DURRIES*.

1.2 This standard does not specify general appearance, feel, finish, etc of the cloth.

**2 REFERENCES**

The Indian Standards listed in Annex A are necessary adjuncts to this standard.

**3 ATMOSPHERIC CONDITIONS FOR TESTING**

Test specimens may be conditioned and tested in the prevailing atmosphere for determining the conformity of the *DURRIES* to this standard. However, in all cases of disputes, specimen shall be conditioned and tested in the standard atmosphere as specified in the referred Indian Standards on test methods.

**4 MANUFACTURE****4.1 Yarn**

4.1.1 The cotton yarn used in the manufacture of the *DURRIES* shall conform to the requirements specified in IS 171 : 1985.

4.1.2 The approximate count of the yarn is given in Table 1 for guidance.

4.2 The *DURRIES* shall be woven in plain weave. The number of ends included in each selvage shall be between 6 to 18.

4.2.1 The warp threads at each end of *DURRIES* shall be knotted together to form a fringe measuring 5 cm and to prevent fraying of weft threads. Alternatively, the transverse ends of *DURRIES* shall be spliced.

**5 REQUIREMENTS**

5.1 The *DURRIES* shall conform the requirements specified in Table 1.

5.1.1 However, breaking load requirement shall be an optional requirement. It shall be enforced

only when conformance of cotton yarn to the requirements specified in IS 171 : 1985 is not known.

5.2 The *DURRIES* shall also conform to the requirements specified in Table 2.

**5.3 Dimensions**

Length and width of the *DURRIES* when determined in accordance with IS 1954 : 1969 shall be as agreed to between the buyer and the seller or as declared by the seller subject to the tolerances of  $\pm 3$  cm on length and on width.

5.4 In order to illustrate or specify the indeterminate characteristics, such as general appearance, feel and shade of the *DURRIES*, a sample has been agreed upon and sealed, the supply shall be in conformity with the sample in such respects.

5.4.1 The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

**6 INSPECTION**

6.1 The *DURRIES* when visually inspected should be free from the major flaws listed in Annex B.

6.1.1 The number of permissible flaws per *DURRY* shall be as agreed to between the buyer and the seller.

6.2 For details of the flaws mentioned in 6.1, a reference may be made to IS 4125 : 1987.

**7 MARKING**

7.1 The *DURRIES* shall be suitably marked with the following information:

- a) Name of the material and variety No.,
- b) Length ( cm ) and width ( cm ), and
- c) Indication of the source of manufacture.

7.1.1 The *DURRIES* may also be marked with the Standard Mark.

**8 PACKING**

The *DURRIES* shall be packed as per the requirements of the buyer.

**Table 1 Constructional Particulars and Breaking Load Requirements  
for Handloom Cotton DURRIES**  
( Clause 5.1 )

Variety No.	Count of Yarn ( for Guidance only ) Universal Count ( Cotton Count )		Ends/dm	Picks/dm	Mass g/m <sup>2</sup>	Breaking Load 10 × 20 cm Strip in Newton	
	Warp	Weft				Warp	Weft
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	60 tex × 3 ( 10s/3 )	394 tex ( 11s/2 )	65	140	750	900	1 550
2	60 tex × 3 ( 10s/3 )	295 tex ( 2s )	65	220	815	900	1 800
3	60 tex × 3 ( 10s/3 )	295 tex ( 2s )	40	110 ( double )	850	600	1 800
4	60 tex × 3 ( 10s/3 )	60 tex × 3 ( 10s/3 )	65	315	750	900	475
5	60 tex × 3 ( 10s/3 )	98 tex ( 6s )	40	110 ( 6-strand untwisted )	850	600	2 600
6	60 tex × 2 ( 10s/2 )	295 tex ( 2s )	40	80 ( double )	650	400	1 300
7	60 tex × 2 ( 10s/2 )	295 tex ( 2s )	40	95 ( double )	715	400	1 600
8	60 tex × 2 ( 10s/2 )	295 tex ( 2s )	55	200	750	550	1 800
9	60 tex × 2 ( 10s/2 )	98 tex × 2 ( 6s/2 )	55	280	715	550	2 800
10	60 tex × 2 ( 10s/2 )	98 tex × 2 ( 6s )	40	184 ( 3-strands )	640	400	2 000
11	60 tex × 2 ( 10s/2 )	60 tex ( 10s )	72	272 ( double )	460	650	2 000
12	60 tex × 4 ( 10s/4 )	295 tex ( 2s )	40	80 ( double )	715	800	1 300
13	60 tex × 5 ( 10s/5 )	295 tex ( 2s )	40	208	760	100	1 700
14	60 tex × 6 ( 10s/6 )	98 tex ( 6s )	35	80 ( 8 strands untwisted )	880	1 100	2 700
15	30 tex × 2 ( 20s/2 )	295 tex ( 2s )	45	150	600	300	1 200
16	30 tex × 2 ( 20s/2 )	295 tex ( 2s )	50	144	500	350	1 100
17	30 tex × 2 ( 20s/2 )	295 tex ( 2s )	50	216	725	350	1 800
18	30 tex × 2 ( 20s/2 )	295 tex ( 2s )	65	160	575	450	2 450
19	30 tex × 2 ( 20s/2 )	148 tex ( 4s )	64	208	380	450	1 000
20	30 tex × 2 ( 20s/2 )	60 tex ( 10s )	70	300 ( double )	450	500	2 300
21	30 tex × 3 ( 20s/2 )	295 tex ( 2s )	48	168	600	500	1 300
22	98 tex × 2 ( 6s/2 )	148 tex × 2 ( 4s/2 )	40	200	695	500	1 600
23	148 tex × 2 ( 4s/2 )	148 tex × 2 ( 4s/2 )	32	232	830	350	1 800
24	148 tex × 2 ( 4s/2 )	148 tex × 2 ( 4s/2 )	42	168	630	450	1 300
Tolerance, percent	—	—	—5	—5	—5	—5 on average value and —15 on individual reading	
Method of Test	IS 1963 : 1981			IS 1964 : 1970 or Annex C		IS 1969 : 1986	

## 9 SAMPLING

## 9.1 Lot

The quantity of the *DURRIES* of the same variety delivered to one buyer against one despatch note shall constitute a lot.

**Table 2 Colour Fastness Requirements for Handloom Cotton *DURRIES***  
( Clause 5.2 )

Characteristics	Requirement	Method of Test
Colour fastness:		
1) Light	4 or better	IS 686 : 1985 or IS 2454 : 1985
2) Washing : Test 1	3 or better	IS 687 : 1979
3) Rubbing	4 or better	IS 766 : 1988

9.2 The conformity of the lot to the various requirements specified in the standard shall be determined on the basis of tests carried out on the samples selected from the lot.

9.3 Unless otherwise agreed, the number of *DURRIES* selected at random for inspection shall be in accordance with Table 3.

9.3.1 For selection of samples at random from the lot, procedure given in IS 4905 : 1968 may be followed.

**Table 3 Sample Size and Permissible Number of Non-conforming *DURRIES***  
( Clause 9.3 )

Lot Size	Sample Size	Permissible Number of Non-conforming <i>Durries</i>	Sub-sample Size
(1)	(2)	(3)	(4)
Up to 25	3	0	2
26 to 50	5	0	2
51 to 150	8	0	3
151 to 300	13	1	3
301 to 500	20	1	5
501 to 1 000	32	2	5
1 001 and above	50	3	8

## 9.4 Number of Samples and Criteria for Conformity

It shall be as follows:

Characteristics	Number of Samples	Criteria for Conformity
Ends, picks mass, length, width and visual inspection	According to col 2 of Table 3	Number of non-conforming <i>Durries</i> shall not exceed the corresponding number given in col 3 of Table 3
Colour fastness and breaking load	According to col 4 of Table 3	All the <i>Durries</i> under test shall meet the requirement

## ANNEX A

( Clause 2 )

## LIST OF REFERRED INDIAN STANDARDS

IS No.	Title	IS No.	Title
171 : 1985	Cotton and cotton regenerated cellulosic fibre blended grey yarn ( <i>third revision</i> )	1963 : 1981	Methods for determination of threads per unit length in woven fabrics ( <i>second revision</i> )
686 : 1985	Methods for determination of colour fastness of textile materials to daylight ( <i>first revision</i> )	1964 : 1970	Methods for determination of weight per square meter and weight per linear metre of fabrics ( <i>first revision</i> )
687 : 1979	Method for determination of colour fastness of textile materials to washing : Test 1 ( <i>second revision</i> )	1969 : 1985	Methods for determination of breaking load and elongation of woven textile fabrics ( <i>second revision</i> )
766 : 1988	Method for determination of colour fastness of textile materials to rubbing	2454 : 1985	Methods for determination of colour fastness of textile materials to artificial light (xenon lamp) ( <i>first revision</i> )
1954 : 1990	Methods for determination of length and width of fabrics ( <i>second revision</i> )	4125 : 1987	Glossary of terms pertaining to defects in fabrics ( <i>first revision</i> )
		4905 : 1968	Methods for random sampling

## ANNEX B

( Clause 6.1 )

## LIST OF MAJOR FLAWS

- B-1** One or more ends missing in the body of the material throughout its length, more than three ends missing at a place and running over 60 cm, or prominently noticeable double end running throughout the piece.
- B-2** Undressed snarls noticeable over a length exceeding 5 percent of the length of the piece.
- B-3** Smash definitely rupturing the texture of the fabric.
- B-4** Hole, cut or tear.
- B-5** Reed marks prominently noticeable over a length exceeding 5 percent of the piece.
- B-6** Defective or damaged selvedge noticeable over a length exceeding 5 percent of the length of the piece.
- B-7** Weft crack or two or more missing picks across the width of the fabric.
- B-8** Warp or weft bar due to the difference in raw material, count, twist, lustre, colour, shade or spacing of adjacent groups of yarns ( starting mark ).
- B-9** More than two adjacent ends running parallel, broken or massing and extending beyond 10 cm.
- B-10** Noticeable warp or weft float in the body of the fabric.
- B-11** Noticeable oil or other stain in the fabric.
- B-12** Oily weft in the fabric.
- B-13** Prominently noticeable slub.
- B-14** Conspicuous broken pattern.
- B-15** Gout due to foreign matter, usually lint or waste woven into the fabric.
- B-16** Prominent selvedge defect.
- B-17** Significant shading or listing fabrics having a gradual change in tone or depth of shade of fabric ( excluding selvedge or border running parallel to the selvedge ).
- B-18** Coloured flecks.
- B-19** Blurred or dark patch.
- B-20** Patchy, steaky or uneven dyeing.
- B-21** Dye bar.
- B-22** Fuzzy appearance.

## ANNEX C

( Table 1 )

## METHOD FOR DETERMINATION OF MASS OF DURRIES

- C-1** Cut four specimens of 100 mm × 100 mm from a sample. Condition all the specimens in the dessicator charged with saturated solution of sodium nitrate at  $27 \pm 2^\circ\text{C}$  for a period of 24 hours. Remove all the specimens from the dessicator and immediately determine their collective mass in weighing balance to the nearest milligram.
- C-2** Collect mass of *Durries* in  $\text{g/m}^2$ .