

IS 1943 : 1995

भारतीय मानक
वस्त्रादि — ए-ट्विल पटसन के बोरे — विशिष्ट
(दूसरा पुनरीक्षण)

Indian Standard

TEXTILES — A-TWILL JUTE BAGS —
SPECIFICATION

(Second Revision)

First Reprint APRIL 1999

(Incorporating Amendment No. 1)

UDC 621.798.151 [677.13]

© BIS 1999

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

April 1995

Price Group 1

FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards after the draft finalized by the Jute and Jute Products Sectional Committee had been approved by the Textile Division Council.

This standard was first published in 1961 and it was subsequently revised in 1964. This standard has been revised again so as to ensure compatibility regarding general requirements of A-twill jute bags with those specified in IS 9113 : 1992 'Textiles — Jute sacking — General requirements (*first revision*)'.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

TEXTILES — A-TWILL JUTE BAGS — SPECIFICATION

(Second Revision)

1 SCOPE

This standard prescribes constructional details and other requirements of A-twill jute bags.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1963 : 1981	Method for determination of threads per unit length in woven fabrics (<i>second revision</i>) (Reaffirmed April 1993)
1969 : 1985	Methods for determination of breaking load and elongation of woven textile fabrics (<i>second revision</i>) (Reaffirmed April 1993)
2873 : 1991	Textiles — Packaging of jute products in bales — Specification (<i>second revision</i>)
2969 : 1974	Method for determination of oil content of jute yarn and fabrics (<i>first revision</i>) (Reaffirmed March 1993)
5476 : 1986	Glossary of terms relating to jute (<i>first revision</i>)
9030 : 1979	Method for determination of seam strength of jute fabrics including their laminates (Reaffirmed March 1992)
9113 : 1993	Textiles — Jute sacking—General requirements (<i>first revision</i>)

3 TERMINOLOGY

For the purpose of this standard, the definitions given in IS 5476 : 1986 shall apply.

4 MANUFACTURE

4.1 Sacking

The bags shall be made from single piece of double warp, 2/1 twill weave jute sacking of uniform construction having nominal mass of 750 g/m² with warp running along the length of the bag. There shall be three blue stripes, or stripes as agreed to between the buyer and the seller, woven along the length of the bag. The

constructional particulars of sacking used in the fabrication of the bags shall be such that the bag meets the requirement specified in Table 1.

4.2 Seam

The sides of the bags shall be sewn with overhead or herakle stitches on selvedge through two layers of sacking as specified in IS 9113 : 1993. The number of stitches per 10 cm shall be between 9 and 11.

4.3 Safety Stitch

A line of safety union stitch shall be provided at the inner edges of the overhead or herakle stitches (*see* IS 9113 : 1993). The number of safety union stitches per 10 cm shall be between 9 and 11.

4.4 Hemming at the Mouth

Provisions of IS 9113 : 1993 shall apply.

4.5 Joined Bag

Provisions of IS 9113 : 1993 shall apply.

4.6 Freedom from Defects

The bags shall be generally free from weaving and sewing defects such as missing picks, holes, cuts, tears, floats, crushed selvedges, spots, stains, gap stitches, loose ends and frayed ends which effect the performance of the bag.

5 SPECIFIC REQUIREMENTS

5.1 The bags shall conform to the requirements specified in Table 1.

5.2 The bales containing the bags shall conform to the requirements specified in Table 2.

5.3 The contract moisture regain shall be 20 percent.

6 PACKING

The bags shall be packed in bales as prescribed in IS 2873 : 1991 or as specified in the agreement between the buyer and the seller.

7 MARKING

7.1 The bales shall be marked as prescribed in IS 2873 : 1991. Additional marking shall be made as stipulated by the buyer or required by the regulation or law in force.

Table 1 Particulars of Bags
(Clauses 4.1 and 5.1)

SI No.	Characteristic	Requirement	Tolerance	Method of Test
(1)	(2)	(3)	(4)	(5)
i)	Dimensions, cm (see Note):			
	a) Outside length	112	+ 4	Clause 8.3.2 of IS 9113 : 1993
	b) Outside width	67.5	- 0	
ii)	Corrected mass per bag, g	1 190	+ 120 - 90	Clause 8.5.2 of IS 9113 : 1993
iii)	Ends per dm	102	± 6	IS 1963 : 1981
iv)	Picks per dm	35	± 2	IS 1963 : 1981
v)	Average breaking load of sacking [revelled strip method, 10 cm × 20 cm] Min, N (kgf):			IS 1969 : 1985
	Warpway	2 000 (204)		
	Weftway	1 765 (180)		
vi)	Average breaking load of seam [revelled strip method, 10 cm × 20 cm] Min, N (kgf)	657 (67)		IS 9030 : 1979

NOTE — The buyer and the seller may agree to the dimensions other than those specified above. The tolerance of $\pm 4_0$ cm shall apply on the dimensions.

The mass of such bag may be calculated by the method given in 5.3 of IS 9113 : 1992. However, a tolerance of $\pm 10_{7.5}$ percent on the bag mass shall be permissible.

Table 2 Requirements of Packed Bales
(Clause 5.2)

SI No.	Characteristic	Requirement	Methods of Test
(1)	(2)	(3)	(4)
i)	Total number of bags per bale (see Note)	400	Clause 8.9 of IS 9113 : 1993
ii)	Number of joined bags per bundle of 25 bags	1	do
iii)	Contract mass of a bale	476	—
iv)	Corrected net mass of a bale	Not less than contract	Clause 8.1 of IS 9113 : 1993
v)	Moisture regain, percent, Max	22	Clause 8.2 of IS 9113 : 1993
vi)	Oil content on dry deoiled material basis, percent, Max	8.0	IS 2969 : 1974

NOTE — The number of bags per bale shall be 400 or as specified in an agreement between the buyer and the seller.

7.2 BIS Certification Marking

The bales may also be marked with the Standard Mark.

7.2.1 The use of the Standard Mark is governed by the provisions of Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark

may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

8 SAMPLING AND CRITERIA FOR CONFORMITY

The sampling procedure and criteria for conformity as specified in IS 9113 : 1993 shall be followed.

Bureau of Indian Standards

BIS is a statutory institution established under the *Bureau of Indian Standards Act, 1986* to promote harmonious development of the activities of standardization, marking and quality certification of goods and attending to connected matters in the country.

Copyright

BIS has the copyright of all its publications. No part of these publications may be reproduced in any form without the prior permission in writing of BIS. This does not preclude the free use, in the course of implementing the standard, of necessary details, such as symbols and sizes, type or grade designations. Enquiries relating to copyright be addressed to the Director (Publication), BIS.

Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Handbook' and 'Standards Monthly Additions'.

This Indian Standard has been developed from Doc: No. TX 03 (0084).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones: 323 01 31, 323 33 75, 323 94 02

Telegrams: Manaksanstha
(Common to all offices)

Regional Offices:

	Telephone
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	323 76 17, 323 38 41
Eastern : 1/14 C.I.T. Scheme VII M, V.I.P. Road, Maniktola CALCUTTA 700054	{ 337 84 99, 337 85 61 337 86 26, 337 91 20
Northern : SCO 335-336, Sector 34-A, CHANDIGARH 160022	{ 60 38 43 60 20 25
Southern : C.I.T. Campus, IV Cross Road, CHENNAI 600113	{ 235 02 16, 235 04 42 235 15 19, 235 23 15
Western : Manakalaya, E9 MIDC, Marol, Andheri (East) MUMBAI 400093	{ 832 92 95, 832 78 58 832 78 91, 832 78 92
Branches : AHMADABAD. BANGALORE. BHOPAL. BHUBANESHWAR. COIMBATORE. FARIDABAD. GHAZIABAD. GUWAHATI. HYDERABAD. JAIPUR. KANPUR. LUCKNOW. NAGPUR. PATNA. PUNE. THIRUVANANTHAPURAM.	

AMENDMENT NO. 2 MAY 2002
TO
IS 1943 : 1995 TEXTILES — A-TWILL JUTE BAGS —
SPECIFICATION
(Second Revision)

[Page 2, Table 2, Sl No. (vi), column 3] — Substitute '3' for '8.0'

(TX 03)

**AMENDMENT NO. 3 NOVEMBER 2002
TO
IS 1943 : 1995 TEXTILES — A-TWILL
JUTE BAGS — SPECIFICATION**

(Second Revision)

(Pages 1 and 2) — Substitute 'IS 9113:1993' for 'IS 9113:1992' wherever exists.

(Page 2, Table 1, Note) — Designate the existing Note as Note 1 and insert Note 2 as under:

NOTE 2 — In case of bags having herakle stitching with safety stitch, the corrected mass per bag shall be 1 200 g instead of 1 190 g.

[Page 2, Table 2, Sl No. (iii), column 2] — Substitute 'Contract mass of a bale, kg' for 'Contract mass of a bale'.

[Page 2, Table 2, Sl No. (iii), column 3] — Substitute '480' for '476'.

[Page 2, Table 2, Sl No. (iv), column 3] — Substitute 'Not less than the contract mass' for 'Not less than contract'.

(TX 03)

AMENDMENT NO. 4 JULY 2004
TO
IS 1943 : 1995 TEXTILES — A-TWILL JUTE BAGS —
SPECIFICATION

(Second Revision)

(Page 1, clause 1) — Substitute the following for the existing:

1 SCOPE

1.1 This standard prescribes constructional details and other requirements of A-Twill Jute bags.

1.2 The bags specified in the standard shall not be manually handled after packing material.'

(TX 03)

Reprography Unit, BIS, New Delhi, India

AMENDMENT NO. 5 OCTOBER 2005
TO
IS 1943 : 1995 TEXTILES — A-TWILL JUTE BAGS —
SPECIFICATION

(Second Revision)

(Page 1, clause 4.1) — Insert the following note at the end of paragraph:

‘NOTE — Mass of fabric in g/m^2 is given for guidance only.’

(TX 03)