Prov Specification No. ADRDE/SPECN/1985/2 50

GOVERNMENT OF INDIA MINISTRY OF DEPENCE

CORDAGE NTLON BRAIDED CORELESS 500N & 1000 N .

The specification is intended to guide purchase of inspection and manufacture of webbing nylon various for parachutes 500N for for Parachutes 500N for formal for formal for formal forma

2. In case of discrepancy between this specification and any sample or pattern, this specification to-gether with drawings if any , will be taken as correct.

Whenever a reference to any other specification/Drawing occurs in the specification, it shall be taken as a reference to the latest to the various of that specification/Drawing

1. SCOPE: This specification covers the requirements of the following types of cordages:

(a) Cordage Nylon Braided Coreless 500 Newtons . (51 kg)

(b) Cordage Nylon Braided coreless 1000 Newtons (980 kg.)

2.GENERAL: The cordages described this specification are made of process of the continuous filament Nylon yarn and are of braided construction without core. The cordages are used as Rigging Lincoln truction without core. The cordages and other allied items of Illuminating ammunition parachutes and other allied items. The nylon yarn used in the manufacture of the

3. MATERIAL cordages shall be 23 Tex (210 danier) and 140 Tex (1260 danier) for vaniety No. 1 & 2 respectively (as shown in the table), continuous filament,

4. MANUFACTURE/WORK SHIP AND FINISH: Doubled & twisted to gether to the requirement. During the process of throwing/applied shall the requirement. The braiding machine shall be so adjusted not be very high. The braiding machine shall be so adjusted that it should give firm and adequately tight braiding without that it should give firm and adequately tight braiding without outting any undue tension on the yarns. The cordage shall be freefrom any manufacturing flaws. The braiding ends shall be freefrom any knots, slubs and stains.

The cordages shall be supplied in the matural/undyed shade. The cordages shall essentially be smooth to handle and shall have uniform diameter throughout with round cross-section.

6. The cords shall are not be more than are year old from the date of manufacture to the date of delivery.

7. DIMENSIONS AND OTHER DETAILS: The cordsges nylon Braided 500 Newtons & 1000 Newtons coreless shall conform to the particulars given in the table.

8. TESTS: - Breaking Load Test: - When testedm in accordance with the method laid down in I S Specification IS: 4437 the breaking method laid down in I S Specification IS: 4437 the minimum toda of any test specification is: 450 loss thank the minimum shown in the table.

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- 9. PLATTS PER CONTIMETER: When tested in accordance with the method laid down in IS specification IS: 4437, Plaits/Cm shall not be less than that shown in the table.
- 10. LENGTH PER KG.: When tested in accordance with the method laid down in IS specification IS:4437, lingth per kg shall not less than that shown in the table.
- 11. PH VA PH Value of aqueous extract should be 6.0 to 8.6 when tested as per IS specification IS: 1390 (cold method).
- 12. Elongation at Break Percentage: The method laiddown when tested in accordance with IS specification IS:4437, elongation at break percentage(%) shall not be less than that shown is the table.
- 13. Marking: Each hank/ball shall be tied with a card board lable
 4.5 Cm X 2.5 Cm, on which shall be marked with the
 contractor's name, trade mark, date of manufacture, length
 of the hank/ball, cal No. and nomenclature of the store.
- 14. PACKING: Cordage Nylon Braided 500N and 1000N coreless, shall be supplied in hanks/balls of continuous length of 500Mtrs or as/requestd by the procuring authority. Each hank/ball of the cordage shall be packed in a polythene bag (150 gauge film) to form a unit pack. The appropriate number of unit packs shall be properly arranged in cases, wood packing provided with liners waterproof. The empty spaces, if any, shall be filled in with ushioning materials to prevent any movement of the contents inside the cases wood packing and top lid of the cases shall be mailed in . Care shall be taken that the mails do not spierce into the contents of the case. The Gross mass of the package shall not exceed 40 kg. Packing materials used should be of the best trade quality and previously approved by the Inspecting Officer.
- 15. I If ordered for delivery to a local Inspection of depote the cordage shall be delivered loose in firms returnable packs. After inspection, the accepted supplies shall be packed by the inspection depot authorities as indicated in para-14 above.
- 16. Before despatch each case wood packing shall be lagibly and indelibly marked showing the following: details:
 - (a) Nomenclature and Cat No. of the store.
 - (b) Quantity packed in each CWP.
 - (e) Serial No. of the CWP.
 - (d) Month and year of packing .
 - (e) Name and trade mark of the manufacture.
 - (f) Gross Mass of the CWP in kg.
 - (g) Name and address of the consignee,
 - (h) Inspection note No. and date.

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17. PRE INSPECTION: Before tendering the store of the Govt Inspector, the supplier shall carryout 100% preinspection of each and every hank/ball to satisfy himself that the store fully conforms to the specification in all respects.

18. INSPECTION: If, on examination, material from any portion of a consignment is found not to be fully in accordance with the specification, the whole consignment maxxbexxxjxxxxx is liable to be rejected.

If, on examination of 20% of any delivery ,20% of these examined are found not to conform to this specification in any respect then the whole consignment may be rejected.

All hanks/balls not fully in accordance with this specification shall be rejected.

ACAL CANTT

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for DIRECTOR
AERIAL DELIVERY RESEARCH &
DEVELOPMENT ESTABLISHMENT
AGRA CANTT.

BOU. Spech. No. ADRDESPECK 1985 25 / (Bb.)

PARTICULARS OF CORDAGE NYLON BRAIDED 500N & 1000N. CORELESS

Braided 5cc 7 32 16 of 23 Tex 10/11 730 500N Nylon 66 20 Single (210/1d) Folds 23 Tax X2 or Nylon 6 16 of Double Folds	Sl.	Nomenclature	No.of, Spindles	Total No. of Ends & Folds	Yarn Count	Plaits/ Cm.	Hength/ Kg Mtrs	Breaking load (15 Cm between grips) Newtons	Material	Perentage Elongation at Break
Braided Scingle 23 Tex 10/11 730 500N Nylon 66 20 Single (210/1d) Folds 23 Tax X2	2						(Min)	(Min)		(Min)
2. Cordage Nylon Brided Single (1260D) 16 of Double Folds 2. Cordage Nylon Brided Single (1260D) 1000N Nylon 66 209 Nylon 6	1.	Braided Sock	32	Single Folds	(210/1d) 23 Tax 2	(2	100		or	20 (
Nylon Brailed 16 140 Tex 6/7 320 1000N Nylon 66 209 Coreless 1000N. Nylon 6 Nylon 6				16 of Double						
	2.	Nylon Brailed Corcless 1000N.	16				320	1000N	or	209