[METRIC]
A-A-52534
November 13, 1995
SUPERSEDING
MIL-S-16626D
14 August 1984

COMMERCIAL ITEM DESCRIPTION

SLINGS, CARGO NET: (NYLON, MANILA, OR POLYPROPYLENE) (METRIC)

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers three types of cargo net slings (hereinafter called slings) which are intended for use in loading and discharging cargo, rigging between ship and dock or ship and ship to restrain cargo, and lashing overside of ship for rescue operations.

2. Classification. The slings shall conform to the following sizes and grades (see 7.2):

Size I	-4.26 meters (m) (14 feet) by 4.26 m (14 feet)
Size II	-6 m (20 feet) by 9 m (30 feet)
Size III	-6 m (20 feet) by 12 m (40 feet)

2.2 Grade.

Grade A	- Manila rope
Grade B	- Polypropylene rope
Grade C	- Nylon rope
Grade D	- Nylon braided cord

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

FSC 3940

3. SALIENT CHARACTERISTICS

3.1 Materials. Unless otherwise specified herein, materials shall be in accordance with the manufacturer's material specifications. All material shall be new and unused. Asbestos, cadmium, and radioactive material will not be used in this item. Radioactive material is defined by 1) Title 10, Code of Federal Regulations, Part 40, and 2) Other radioactive material in which the radioactivity is greater than .002 microcuries per gram or .01 microcuries total activity for the item.

3.1.1 Material deterioration and control.. The sling shall be fabricated from compatible materials, inherently deterioration resistant or treated to provide protection against the various forms of deterioration that maybe encountered in any of the applicable storage and operating environments to which the item may be exposed.

3.1.2 Rope size. Unless otherwise specified in the contractor order (see 7.2), the rope shall be the manufacturer's standard size. Where a manufacturer does not have a standard size, the rope size shall be as specified in table I.

TAB;E I. Rope size.

Sling size	Mesh rope 1/		Peripheral rope 1/	
	minimum	maximum	minimum	maximum
I	16 millimeter (mm) (5/8)	22 mm (7/8)	22 mm (7/8)	29 mm (1 1/8)
II	16 mm (5/8)	22 mm (7/8)	22 mm (7/8)	29 mm (1 1/8)
III	.22 mm (7/8)	29 mm (1 1/8)	29 mm (1 1/8)	35 mm (1 3/8)

1/ = Measurements in parenthesis ( ) are in inches.

3.2 Design and construction. The slings shall consist of meshed cargo net interiors spliced to border frames, which have bights (lifting bridles) attached to each comer, as shown in figure 1 (for reference only) and as specified herein. These items shall comply with all applicable OSHA regulations in 29 CFR 1910.

3.2.1 Bights (lifting bridles) Bights shall be formed as an endless rope of the same size as the border frame and shall be made continuous by splicing. Bights shall be attached to all four comers of the border frame. The stretched length of bights, before attachment to the comers of the border frames, shall be as specified in table II.

3.2.2 Border frames. The border frames of the slings shall be formed as an endless piece of material made continuous by splicing. The length of the border frames shall extend entirely around the full perimeter of the meshed cargo net and shall include sufficient material at each comer for attachment of bights.

TABLEII. Border frame size

Sling size	Metric 1/
I	1930 mm (76)Text
I I	3200mm 126)
I I I	3200mm (126)

1/ = Measurements in parenthesis () are in inches.

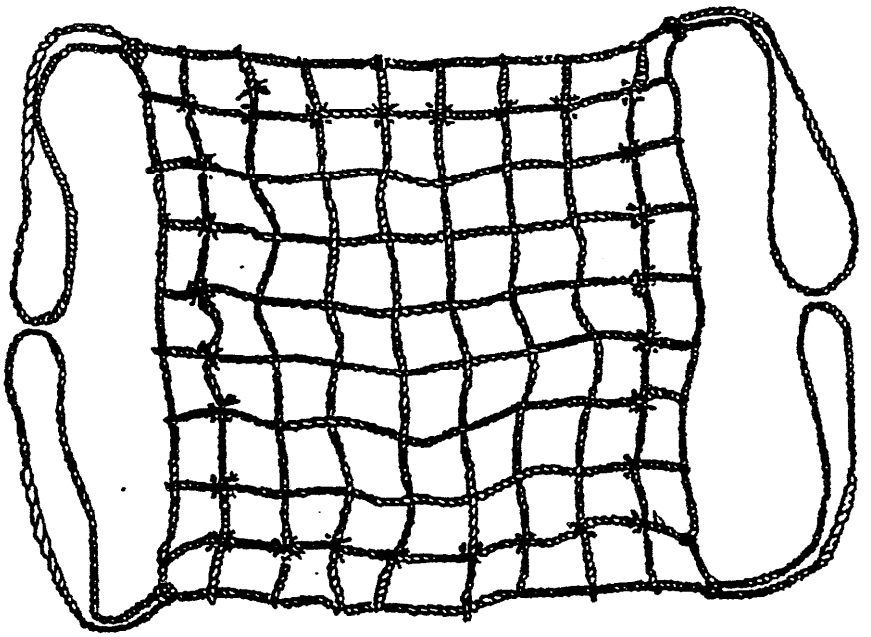


FIGURE 1. Cargo net sling (Grade Asling only is illustrated)

3.2.3 Meshed cargo net. The meshed cargo net shall have meshes, between 152 mm (6 inches) and 305 mm (12 inches) square unless otherwise specified in the contract order (see 7.2), formed by vertical and horizontal ropes or cords. The mesh size shall be the supplier's standard size.

3.2.24 Safe working loads. The cargo capacities of the sling shall conform to the safe working loads specified in table III

TABLE III. Safe working loads.

Sling size	Grade A	Grade B	Grade C	Grade D
I	590 kg (1300 lb)	1134 kg (2500 lb)	1389 kg (3060 lb)	1406 kg (3100 lb)
II	590 kg (1300 lb)	1134 kg (2500 lb)	1389 kg (3060 lb)	1406 kg (3100 lb)
III	816 kg (1800 lb)	1134 kg (2500 lb)	2064 kg (4550 lb)	2267 kg (5000 lb)

3.2.5 Proofload. One sling from each production run shall be subjected to a proof load test A hoisting device shall be attached to the four bights of the sling. The sling with a proof load of five times the safe working load specified in table III shall be lifted to a height of not less than 914 mm (3.0 feet). The proof load shall be suspended in the sling for not less than 2.5 hours. Failure of the sling, or evidence of broken strands or separation of any splice, shall constitute failure of this test.

3.3 Color. Unless otherwise specified in the contractor order (see 7.2), the color of the slings shall be supplier's standard color.

3.4 Identification marking. A metal tag shall be securely attached to each sling with wire. The metal tag and wire shall be corrosion resistant and shall be as permanent as the normal life expectancy of the sling. The metal tag and wire shall be capable of withstanding the environmental and cleaning applications of the sling. AH burrs and sharp edges shall be removed from the tag. As a minimum, the tag shall have the safe working load etched or embossed thereon in block letters which are readily readable during normal operational use, manufacturer's identification code (CAGE), the contract number, and the part identifying number (PIN) (see 7.2).

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered material to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Responsibility for inspection. The contractor irresponsible for the performance of a11 inspections (examinations and tests).

5.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, workmanship standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order (see 7.2).

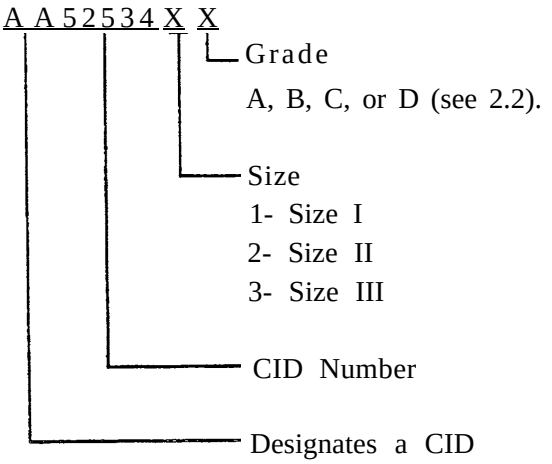
7. NOTES.

(This section contains information of a general or explanatory nature that maybe helpful, but is not mandatory.)

7.1 Government documents. Copies of Code of Federal Regulations (CFR) may be obtained from the Superintendent of Documents. Government Printing Office, Washington, DC 20402.

7.2 Ordering data. Acquisition documents should specify the following:

a. Title, number, and date of this CID.
b. Issue of DODISS to be cited in the solicitation.
c. Size and grade of sling required.
d. When special rope diameter or mesh size is required.
e. When meshed cargo net is other than specified.
f. When special color is required.
g. PIN and quantity of slings required.
h. Selection of applicable level and packaging requirements.



7.4 Cross-reference data. Slings conforming to this CID are interchangeable/substitutable w ith slings conforming to MIL-S-16626D.

MILITARY INTERESTS:

Custodians
Army - AT
Navy - MC
Air Force -99

Review Activities
Air Force -84

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS

PREPARING ACTIVITY:
Army - AT

(Project 3940-0005)