

Annexure -A

Technical specification of Fall Arrest Safety Nets

Fully certified to EN1263-1 nets made from 100mm x 5mm knotless netting.

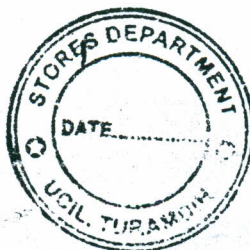
- Performance : high tenacity netting
- Aperture : 100mm
- Diameter : 5mm
- Maximum tensile strength of mesh : 3.20kN
- Color : Blue, Green
- Material : Polypropylene/Polyamide
- UV Additive
- : 3 Test strips attached for return testing against UV Degradation.
- Certified: YES - all our fall arrest safety nets come fully certified and tagged.
- Material used in net should have no significant reduction in mechanical properties between -10°C to + 40°C
- Industrial Safety Net is stabilized against adverse atmospheric conditions, Rot proof against water, chemicals, acids and alkali.

Type

: S (used horizontally)

Base Net (Mesh Rope):

- Material : Polypropylene (125175)
- Cord Size (mesh rope) : 5mm
- Mesh Size : 100mm Square Mesh
- Mesh Configuration : Q (Square Mesh)
- Minimum Break : 2390N (ISO1806)



Border Rope (Rope K)

- Material : Polyamide
- Color : White + blue marker
- Rope size : 14mm
- Breaking strength : Minimum in 30KN in accordance to EN919

Tie Rope (Rope M)

- Material : Nylon
- Color : White
- Rope size : 13mm
- Breaking strength : Minimum 30KN in accordance to EN919

Marking & Labels

- All safety nets shall be marked with:
- Name or Mark of the manufacturer
- Identify/serial number
- Year and month of manufacture
- Minimum energy absorption
- Manufacture article code

System

- Base Net Class A2
- Border Rope (Rope K)
- Tie Rope (Rope M)
- When all the above components are manufactured together they make a safety net in accordance to BS EN1263-1: 2002
- Safety Net System s (net with border rope)

J. D. *
29/03/13



Standards:

En1263/1:2002 deals with the manufacture of safety nets. Safety nets complying with this standard should be erected in accordance with the requirements of EN1263/2:2002. Indian standards might also apply.

Anchorage/ fixing points

- Safety Nets must be attached to a fixing point at least every 2.5m; each fixing point should be capable of withstanding a 6kN loading at 45°.

Knots

Tie ropes are tied around the boarder rope and selvage of the net and onto the structure (capable of withstanding a loading of 6Kn at 45°).

Safety Nets Testing & Certification

- Safety nets are subjected to two main test procedures. Static Test & Drop Test (dynamic test)
- Static Test – this consists of pulling a smooth surfaced steel sphere 500mm diameter and a mass of 100kg up through the net until the net breaks.
- Drop Test – This consists of dropping a smooth surfaced steel sphere 500 mm diameter and a mass of 100kg into a net 5m x 7m from a height of 7m.
- When all the tests have been carried out the test Centre will issue certification.

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1.1.23/12

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