



GARWARE
TECHNICAL FIBRES



GARSAFE

Lifting Slings
Lifting made safer...!



About Us

Garware Technical Fibres Ltd. (formerly Garware-Wall Ropes Ltd.) is one of India's leading players in the technical textile industry. Established in 1976, the company today has a multigeography footprint & has a presence in various technical textiles industries.

The company is known for providing world class innovative solutions for applications in the Safety, Sport, Agriculture, Fishing & many other types of technical textile industries.

Garware Technical Fibres at a Glance

- Pioneers of synthetic cordage in India
- Global presence with customers spread across 75 countries
- ISO 14001-2015 and 9001-2015 certifications by BVC, UK
- R&D unit recognized by the Department of Science & Technology, Government of India
- Carries ICRA's 'AA-' rating indicating strong financial stability
- Awarded 'Star Export House' status for many years
- Received the largest sports goods and sports nets exporter award from the Sports Goods
- Export Promotion Council, sponsored by the Ministry of Commerce, Govt. of India
- A dividend paying public limited company since inception.
Listed on the Bombay Stock Exchange and the National Stock Exchange of India



**COMPANY
ESTABLISHED IN 1976.**



**ISO 14001 - 2015 & 9001 - 2015
CERTIFICATIONS BY BVC, UK**



**GLOBAL PRESENCE WITH
CUSTOMERS SPREAD
ACROSS 75 COUNTRIES**



**“GREEN
MANUFACTURING
PRACTICE”**

EXCELLENT MANUFACTURING FACILITY



APPLICATION FOCUSED TESTING



CERTIFICATIONS

Garware Technical Fibres Ltd.

- ▲ Comes with 100% Guaranteed Breaking strength
- ▲ Garsafe Pro slings are CE marked (Process)
- ▲ 3rd party (Lloyd's certificate available on demand at)
- ▲ Comes with Form 11 / Form 5
- ▲ Do's and Don'ts for user safety and proper maintenance



DO'S & DON'TS FOR SAFE USE OF LIFTING SLING

1. Use only identified slings.
2. Never use a cut or damaged sling.
3. Never make knots in a sling.
4. Never drag a sling from underneath a load that is resting on it.
5. Never use a sling with a load with unprotected sharp edges.
6. Always ensure that lifting hooks or devices have smooth edges that will not damage the eyes of the slings.
7. If slings are to be used in chemically abnormal atmosphere or in constant high temperature then seek confirmation or advice before use.
8. Do not store slings under ultraviolet lights OR direct Sunlight OR near direct heat.
9. Always observe the certified capacity of a sling.
10. Always inspect a sling before use.
11. When inspecting slings examine the full length for chafe/cuts/seam damage.
12. Do not use directly on abrasive surfaces. Use protective sleeves.
13. Any slings with cuts at the edge or damaged at stitched seams must be taken out of service immediately.
14. Do not pull the Sling from underload when the load is resting on it.
15. Do not stand under and stand clear of the suspended load.
16. Do not put any part of the human body between the Sling & the Load or between the sling & the hooks.
17. Slings should be used between the temperature -40°C to 100°C.
18. Do not use the sling unless a proper training is provided for handling, usage & maintenance.



OUR SLINGS





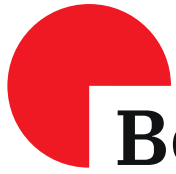
ADVANTAGES OF GARSAFE LIFTING SLINGS



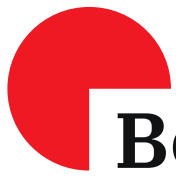
Guaranteed breaking strength



Better abrasion resistance



Better cut resistance



Better gripping



GARSAFE LIFTING SLINGS

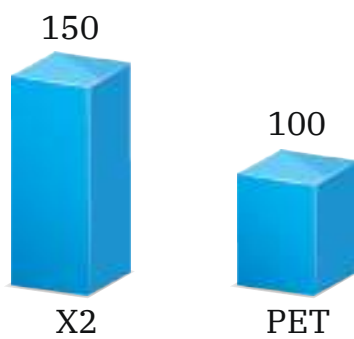
SWL in MT	Width (mm)	Minimum Breaking Strength kgs	Color code
1	25	5000	Violet
2	50	10000	Green
3	75	15000	Yellow
4	100	20000	Grey
5	125	25000	Red
6	150	30000	Brown
8	200	40000	Blue
10	250	50000	Orange
12	300	60000	Orange
16	200	80000	Blue
20	250	100000	Orange





Cut / Abrasion Resistance

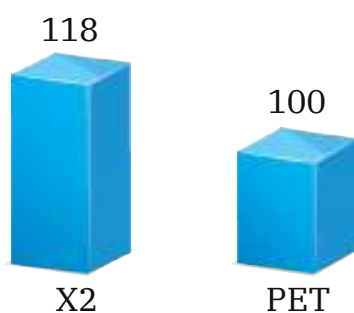
■ Cut resistance



Garsafe slings provide 50% more cut / abrasion resistance

Coefficient of Friction

■ Coefficient of friction



Garsafe slings provide 18% more coefficient of friction



Cut / Abrasion Resistant Sleeve Being Supplied

- Sling protective anti abrasive cut resistant sleeves
- Available for complete range of 5:1 slings



Additional products in Pipeline

- Multiply slings
- Round/Endless slings
- Webbing slings safety factor 6:1





Lifting Slings



Head Office

Plot No. 11, Block D 1, M.I.D.C., Chinchwad, Pune - 411 019, Maharashtra, India.
Toll free (India): 1800 3000 5162 | Email: sales@garwarefibres.com | Website: www.garwarefibres.com

Our Regional Office

North Region

Garware Technical Fibres Ltd.
(Formerly Garware-Wall Ropes Ltd.)
Flat no. 801, New Delhi House, Barakhamba
Road, New Delhi 110001, India.
Tel.: +91 11 45659005

East Region

Garware Technical Fibres Ltd.
(Formerly Garware-Wall Ropes Ltd.)
"Chandrakunj", 2H, No.3, Pretoria Street,
2nd Floor, Kolkata-700071, India.
Tel.: +91 3322827095

South Region

Garware Technical Fibres Ltd.
(Formerly Garware-Wall Ropes Ltd.)
No.442 Parsan, Manare Building Wing A,
7th Floor, Mount Road, Chennai-600002,
Anna Salai, India.
Tel.: +91 44 28241053

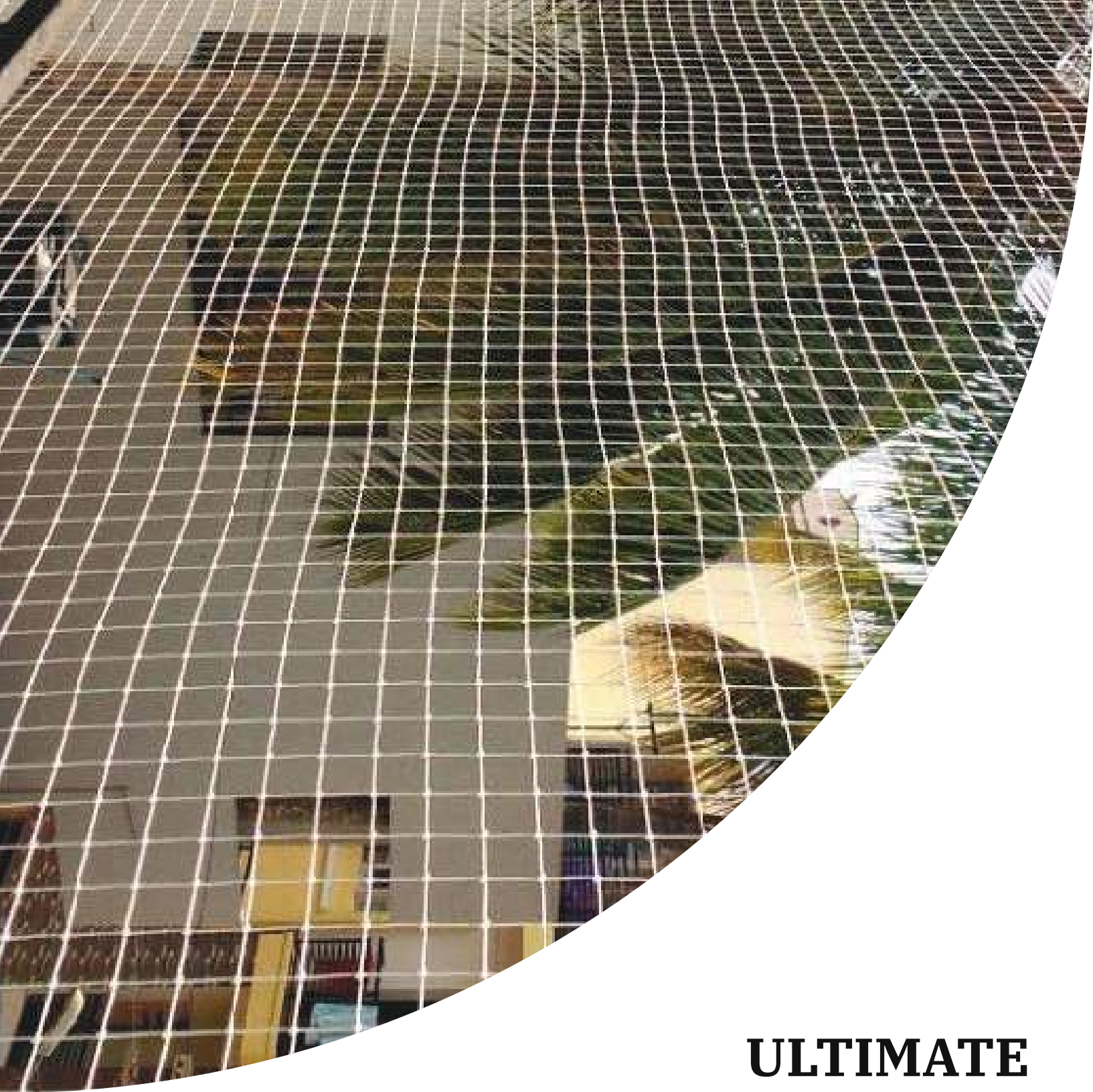
West Region

Garware Technical Fibres Ltd.
(Formerly Garware-Wall Ropes Ltd.)
39 S.K. Haffizuddin Marg Sankli Street,
Byculla (West) Mumbai-400008, India.
Tel.: +91 8422867261/62/63/64





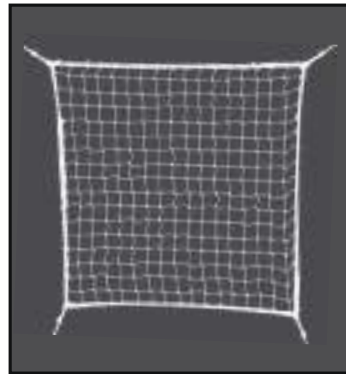
GARWARE
TECHNICAL FIBRES



**ULTIMATE
PROTECTION
FOR PERFECT SAFETY**

BIRD PROTECTION NET VARIETIES

Category	Twine Size	Mesh Size	Dim Width	Dim Width	Colour
Bird Protection Net	1.0mm 280D/15PLY	25 MM SQ	30 mtr	10 mtr	Black / M White
Bird Protection Net	1.0mm 280D/15PLY	19 MM SQ	30 mtr	10 mtr	Black / M White
Bird Protection Net	1.0mm 280D/15PLY	50 MM SQ	30 mtr	10 mtr	Black / M White



**Domestic
Application**



**Industrial
Application**





GARWARE
TECHNICAL FIBRES

BIRD PROTECTION NET APPLICATION OVERVIEW

Category	Applications	Solution
Industrial	Airbase (Military / Domestic) / Factories / Monuments / Roof Tops / Warehouses/ Godowns etc.	<ul style="list-style-type: none">• To Stop entry / Roosting / Breeding of all kind of Birds from Surroundings & Thus preventing diseases caused to Human Beings• Required to protect the aesthetic looks of the building by bird Fouling & Nesting debris
Domestic	Buildings – Balcony / Windows / Window AC / Open Lobbies / Swimming Pools etc	<ul style="list-style-type: none">• Keep the surroundings Clean , Hygienic & prevent noise pollution• 25 mm mesh for smaller birds like sparrow• 50 mm mesh for pigeon like birds

BIRD PROTECTION NET ADVANTAGES

The Solution offered shall provide:

- High Durability since strong & Machine Knotted
- UV Stabilized & Weather proof
- Zero Maintenance
- Easy Installation
- High impact resistant
- Better knot stability and anti skewing
- Available in customized sizes
- Standard and Stable dimensional advantage due to in house fabrication
- Check the Tracer Yarn for genuine traceability





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HMPE Round Slings

Made from HMPE Yarns -

- As strong as steel wire of the same diameter – but 7 times lighter !!!!
- Floats on water
- Extremely durable
- Comes with Abrasion Resistant / Cut Resistant Sleeves

Advantages & Benefits

High Strength

Increased Usage cycle

Safety & Ease of Handling

Light Weight

Low Cost of Ownership



Cost benefit analysis

- Strength => SWR
- Weight = 1/7 of SWR
- No Fish hooks
- Non corrosive
- Virtually a non-conductor of electricity unlike Steel Wire
- Excellent Flex & Tension Fatigue Resistance
- Fully UV resistant
- Unaffected by most chemicals



CUT / ABRASION RESISTANT SLEEVES

Provided With Proprietary Abrasion Resistant / Cut Resistant Rope Sleeves



Testing Result At the End of 400 load Cycles



Steel Wire Rope



HMPE + Sleeve

Can be provided upto SWL 200 MT upto 5:1 Safety factor , for any lenght

Round sling vs Rope sling

- Shape Retention and Balance
- Exposure to outside condition
- Inspection and Re-Jacketing
- Wear resistance of the core



Ideal Life Partner of Submersible Pump



THE COMPANY

- ▶ A world leader in the manufacturing of Synthetic Ropes, Twines & Nets
- ▶ An ISO 9001-2008 certified company
- ▶ Exports to more than 75 countries
- ▶ Extensive distribution network

PRODUCT ASSURANCE

- ▶ Every coil carries a test certificate for
 - Material
 - Breaking Strength
 - Safe Working Load
- ▶ Assured length due to meter marking

PRODUCT ATTRIBUTES

- ▶ Greater economy due to higher runnage & higher breaking strength
 - ▶ Light in weight
 - ▶ Unaffected by chemicals & saline water
 - ▶ Better dimensional stability
 - ▶ Excellent abrasion resistance
 - ▶ UV resistant
- ✓ *Smooth feel for easy knotting & handling*
 - ✓ *Light in weight for easy lowering*
 - ✓ *Protection against sunlight and saline water*
 - ✓ *Insure your submersible pump with Garfil Maxima Rope*

PARAPRO: Unique feature of superiority only in **Garfil®** Ropes.

SPECIFICATIONS

- ▶ Weight tolerance as per IS
- ▶ All values listed are as per results confirmed in accordance to test procedures IS 7071
- ▶ All specifications pertain to regular laid ropes & are applicable to new ropes
- ▶ The products indicated in this brochure do not constitute the whole range of GTFL products
- ▶ Please contact us if other sizes & characteristics are required
- ▶ GTFL reserves the right to review its product specifications
- ▶ Safe working load is 1/6th of the breaking strength



Diameter (mm)	Breaking Strength (kgf)	500 M. Coil's Weight (kgs)
8	1215	15.00
10	1845	22.70
12	2700	33.00
14	3690	45.40
16	4320	58.00
18	5490	73.90
20	6840	90.90
22	8270	110.20