



GITA MARKETING CO.

TECHNICAL DATA SHEET

TDS POLYESTER WEB SLINGS

Flat / Endless / Multi-Leg · EN 1492-1 · 1–40 Tonne

Gita Marketing Co.

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POLYESTER WEB SLINGS

Technical Data Sheet

Flat polyester web slings for safe lifting and material handling. Manufactured from high-tenacity polyester webbing and supplied with colour-coded identification in accordance with EN 1492-1. Supplied by Star Lifting & Securing Pvt Ltd, an authorised Gita Marketing Co. partner.

Construction

Material	High-tenacity polyester (PES) webbing
Fittings	Forged steel hooks / soft eyes (as specified)
Stitching	Polyester thread — triple-stitched at load points
Surface Finish	Smooth flat web — anti-twist design
Configurations	Type 1 (flat eye-to-eye) · Type 2 (endless loop) · Multi-leg
Width Range	25mm to 300mm

Working Load Limits & Colour Code

Colour coding per EN 1492-1. Safety factor 7:1 minimum (break load = 7× WLL).

Colour	WLL (tonne)	Min. Break Load (tonne)	Typical Width
Violet	1	7	25mm
Green	2	14	50mm
Yellow	3	21	75mm
Grey	4	28	100mm
Red	5	35	125mm
Brown	6	42	150mm
Blue	8	56	200mm
Orange	10	70	250mm

Technical Specifications

Safety Factor	7:1 minimum (EN 1492-1 requirement)
Temperature Range	-40°C to +100°C (PES)
Chemical Resistance	Resistant to dilute acids and alkalis; avoid concentrated chemicals
UV Resistance	Moderate — protect from prolonged direct sunlight
Elongation at WLL	Approximately 3% maximum
Standards	EN 1492-1:2000+A1:2008 · CE Marked





Markings

Permanently marked: WLL, length, standard ref, manufacturer ID

Applications

- General industrial lifting and rigging
- Steel and metal processing — coils, beams, plates
- Construction — structural steel, precast concrete
- Logistics and cargo securing
- Wind energy — blade and nacelle lifts
- Machinery installation and maintenance lifts

Inspection & Discard Criteria

Inspect before every lift. Discard if any of the following are observed:

- Cuts, tears, or abrasion damage to webbing fibres
- Knots in any part of the sling
- Overheating, melting, or chemical damage
- Deformation or cracking of metal fittings
- Missing, illegible, or damaged identification labels

Important — Safe Use

Never exceed the rated WLL. Apply WLL reduction factors when using in non-straight configurations (choker hitch = x0.8, basket hitch = x2.0 at 60° or less). Keep slings away from sharp edges without edge protection.

Authorised Supplier

Manufacturer	Star Lifting & Securing Pvt Ltd
Distributor	Gita Marketing Co., Bangalore
Contact	+91-89040-35515 · info@gitamarketing.com
Website	www.gitamarketing.com

Sources: EN 1492-1:2000+A1:2008 · www.gitamarketing.com/our-products

