



GITA MARKETING CO.

TECHNICAL DATA SHEET

TDS MULTI-LEG SLINGS

2-Leg and 4-Leg | Chain or Webbing | EN 1492-1 / EN 818-4

Gita Marketing Co.

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MULTI-LEG SLINGS

Technical Data Sheet -- 2-Leg and 4-Leg Assemblies

Multi-leg slings allow loads to be lifted from multiple attachment points, improving load distribution, reducing stress on individual sling legs, and enabling stable lifts of large or asymmetric loads. Gita Marketing Co. supplies 2-leg and 4-leg assemblies in polyester webbing or chain construction, sourced through Star Lifting and Securing Private Limited. Assemblies are EN-certified and supplied with full documentation.

Type 1 -- Polyester Webbing Multi-Leg Slings

Material	High-tenacity polyester flat webbing -- duplex construction
Configurations	2-leg (V-sling) 4-leg (basket sling)
Top Fitting	Master link (oblong or pear-shaped) Grade 8 or Grade 10 steel
Leg Terminations	Flat eye Delta fitting Shackle on request
WLL Range	1 tonne to 40 tonne per assembly (dependent on leg WLL and angle)
Safety Factor	7:1 minimum on each leg
Standard	EN 1492-1:2000 -- Textile slings: flat woven webbing slings
Leg Lengths	1 m to 10 m standard Custom lengths on request
Colour Coding	Per EN 1492-1:2000 -- colour indicates individual leg WLL
Applications	Structural steel lifts, prefabricated panels, nacelle and blade handling, plant and machinery

Type 2 -- Chain Multi-Leg Slings

Chain Grade	Grade 8 (standard) Grade 10 (high-tensile, compact) on request
Configurations	2-leg 3-leg 4-leg
Top Fitting	Master link or master ring -- Grade 8 or 10 steel to match chain grade
Leg Terminations	Clevis grab hook with latch (standard) Sling hook Shackle
WLL Range	1.12 tonne to 20 tonne per assembly (Grade 8, leg dependent)
Safety Factor	4:1 minimum
Chain Standard	EN 818-4:1996 -- Short link chain for lifting: grade 8 chain slings
Leg Lengths	1 m to 6 m standard Custom lengths on request
Adjustment	Chain shortener / load binders available to adjust effective leg length on site
Applications	Heavy engineering, foundry work, offshore lifting, wind turbine component handling





WLL Reduction Factor by Leg Angle

As the angle between sling legs increases, the load on each leg increases. Always apply the correct angle factor -- never exceed the rated WLL for the actual rigging angle used.

Angle Between Legs	Angle from Vertical	WLL Factor (per leg)	Notes
0 degrees (parallel)	0 degrees	1.00	Full rated WLL
Up to 60 degrees	30 degrees	1.00	No de-rating required
Up to 90 degrees	45 degrees	0.71	De-rate to 71% of single-leg WLL
Up to 120 degrees	60 degrees	0.50	De-rate to 50% of single-leg WLL
Over 120 degrees	> 60 degrees	--	Do NOT use -- excessive leg loading

Inspection & Safe Use

- Inspect all legs, fittings, and master link before every lift -- check for cuts, distortion, corrosion, and worn links.
- Ensure all hooks are fully latched and all shackle pins are moused before lifting.
- Balance the load so that all legs share the load equally -- uneven loading can overstress individual legs.
- Never exceed 120 degrees between sling legs. Above this angle, individual leg loads increase dramatically.
- Retire the assembly if any component -- chain link, hook, master link, or webbing leg -- shows damage.
- Chain slings must be kept lubricated with chain oil to prevent corrosion and wear.
- Maintain a lift register with inspection records -- required for LOLER compliance.

Important

The WLL of a multi-leg sling assembly depends on the number of legs, individual leg WLL, and the angle between legs. Never use a single-leg WLL figure for a multi-leg lift without applying the correct angle factor. Contact Gita Marketing Co. for application-specific assembly design and documentation.

Standards & Compliance

Webbing Legs	EN 1492-1:2000
Chain Legs	EN 818-4:1996 (Grade 8)
Master Links	EN 1677-1 / EN 1677-4
Hooks	EN 1677-2 / EN 1677-3
CE Marking	CE marked per EU Machinery Directive 2006/42/EC
Manufacturer	Star Lifting and Securing Private Limited
Distributor	Gita Marketing Co., Bangalore ISO 9001:2015 ISO 45001:2018

Ordering & Supply

Configurations	2-leg and 4-leg standard 3-leg on request
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Construction	Webbing (polyester) or chain (Grade 8 / Grade 10) -- specify on order
Documentation	Conformity declaration and test certificate supplied with each assembly
Custom	Non-standard leg lengths, capacities, and fittings available on request
Contact	+91-89040-35515 info@gitamarketing.com
Website	www.gitamarketing.com

Sources: EN 1492-1:2000 | EN 818-4:1996 | EN 1677 series | [Star Lifting and Securing Pvt Ltd](#) | www.gitamarketing.com