



GITA MARKETING CO.

TECHNICAL DATA SHEET

TDS SHACKLES AND ACCESSORIES

D-Shackle | Bow Shackle | J-Hook | Lifting Hardware

Gita Marketing Co.

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SHACKLES AND ACCESSORIES

Technical Data Sheet

Gita Marketing Co. supplies a range of forged alloy steel lifting shackles and rigging accessories through its authorised partnership with Star Lifting and Securing Private Limited. All items are supplied with marked Working Load Limits (WLL) and documentation where required. Products conform to EN 13889 (shackles) and relevant ISO/BS standards.

Type 1 -- D-Shackle (Screw Pin Anchor Shackle)

Body Material	Forged alloy steel -- quenched and tempered
Pin Type	Screw pin (standard) Safety bolt and nut on request
Finish	Hot-dip galvanised (standard) Self-coloured on request
WLL Range	0.5 tonne to 25 tonne (selected sizes in stock; others on request)
Safety Factor	4:1 minimum (proof load = 2 x WLL; break load \geq 4 x WLL)
Standard	EN 13889:2003 BS 3032
Applications	General rigging, lifting slings, chain assemblies, load attachment points
Marking	WLL, manufacturer code, and standard reference stamped on body

Type 2 -- Bow Shackle (Omega / Safety Shackle)

Body Material	Forged alloy steel -- quenched and tempered
Body Form	Bow / omega shape -- wider bow accommodates multiple sling legs
Pin Type	Screw pin (standard) Safety bolt and nut on request
Finish	Hot-dip galvanised (standard)
WLL Range	0.5 tonne to 35 tonne
Safety Factor	4:1 minimum
Standard	EN 13889:2003
Applications	Multi-leg sling assemblies, spreader beam connections, sling eyes with multiple elements
Advantage vs D	Larger bow radius reduces wear on sling eyes; preferred for multi-leg work

Type 3 -- J-Hooks and Attachment Hardware

Material	Forged alloy steel or high-grade steel plate -- depends on type
Variants	J-hook (open) Safety hook with latch Clevis hook
WLL Range	0.5 tonne to 10 tonne (application dependent)





Safety Factor	4:1 minimum
Latch	Safety latch standard on hooks rated 1 tonne and above
Applications	Chain shortening, load attachment, crane hook extensions, lashing anchor points
Marking	WLL stamped or engraved on body

D-Shackle WLL Quick Reference -- EN 13889

Body Dia. (mm)	WLL (tonne)	Proof Load (tonne)	Break Load (tonne)	Pin Dia. (mm)
13	1.0	2.0	4.0	13
16	2.0	4.0	8.0	16
19	3.2	6.4	12.8	19
22	4.75	9.5	19.0	22
25	6.5	13.0	26.0	25
28	8.5	17.0	34.0	28
32	12.0	24.0	48.0	32
38	17.0	34.0	68.0	38
44	25.0	50.0	100.0	44

Inspection & Retirement

- Inspect before every lift -- check for cracks, distortion, elongation of the bow, pin thread condition, and surface corrosion.
- Retire immediately if the bow is visibly bent, cracked, or if the pin does not seat fully.
- Pin must be fully screwed home and moused (secured with wire) in dynamic or overhead lifting.
- Do not use a shackle with a damaged, cross-threaded, or substitute pin.
- Record inspections in a lifting register -- required for LOLER compliance.
- Maximum service life is load-history dependent; retire after any shock load event.

Important

Never side-load a D-shackle -- the WLL applies to in-line loading only. For multi-directional loads use a bow shackle. Always mouse the pin for overhead lifts and crane work. Do not exceed the marked WLL under any circumstances.

Standards & Compliance

Shackle Standard	EN 13889:2003 -- Forged steel shackles for general lifting purposes
CE Marking	CE marked per EU Machinery Directive 2006/42/EC
Marking	WLL, grade, standard, and manufacturer code on each item
Manufacturer	Star Lifting and Securing Private Limited





Distributor	Gita Marketing Co., Bangalore
Distributor ISO	ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 -- Gita Marketing Co.

Ordering & Supply

Supply	Individual items Mixed-capacity sets Kit supply for project requirements
Stocked	Common sizes 1T to 12T D-shackle and bow shackle -- confirm availability on enquiry
Contact	+91-89040-35515 info@gitamarketing.com
Website	www.gitamarketing.com

Sources: EN 13889:2003 | [Star Lifting and Securing Pvt Ltd](#) | www.gitamarketing.com