



Installation Guide

Soft UHMwPE Shackles



Traceable ID tag

FEATURES/BENEFITS

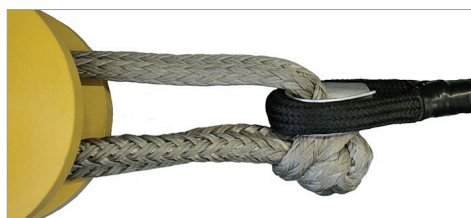
- The perfect replacement for traditional metal shackles
- UHMwPE soft fibre shackle protected by an abrasion and UV resistant Urethane coating
- Made to connect straps or slings to vehicles
- Will not rust or corrode
- Soft and will not damage surfaces around it
- Does not require tools to use
- Will not shatter in the event of a failure as with metal shackles
- Versatile, lightweight, safe and easy to use
- Designed to use in conjunction with Donaghys Mongoose® Recovery Strap range
- All shackles 15.7 tonne and above comes complete with cover
- Optional covers available on other sizes on request

APPLICATIONS

- Light, Medium and Heavy vehicle towing and recovery
- Leisure Marine
- Mining
- Civil
- Farming
- Offshore

TECHNICAL

- Durable tag with unique serial number



Correct Connecting Method





Destruct Test Video

RANGE

Product Code	Finished Dia. (mm)	Product Name	Open Length (m)	Net Weight (kg)	Break Load (t)
RBRS012TSS	6mm	SOFT SHACKLE INDUSTRIAL 1.2T	0.15	0.005	1.2T
RBRS018TSS	8mm	SOFT SHACKLE INDUSTRIAL 1.8T	0.15	0.010	1.8T
RBRS031TSS	10mm	SOFT SHACKLE INDUSTRIAL 3.1T	0.15	0.015	3.1T
RBRS044TSS	12mm	SOFT SHACKLE INDUSTRIAL 4.4T	0.5	0.043	4.4T
RBRS062TSS	14mm	SOFT SHACKLE INDUSTRIAL 6.2T	0.5	0.080	6.2T
RBRS095TSS	18mm	SOFT SHACKLE INDUSTRIAL 9.5T	0.5	0.118	9.5T
RBRS0125TSS	20mm	SOFT SHACKLE INDUSTRIAL 12.5T	0.5	0.130	12.5T
RBRS14TSS	22mm	SOFT SHACKLE INDUSTRIAL 14T	1	0.242	14T
RBRS0157TSS	24mm	SOFT SHACKLE INDUSTRIAL 15.7T COVERED	1	0.256	15.7T
RBRS0221TSS	28mm	SOFT SHACKLE INDUSTRIAL 22.1T COVERED	1	0.421	22.1T
RBRS0259TSS	32mm	SOFT SHACKLE INDUSTRIAL 25.9T COVERED	1	0.500	25.9T
RBRS0306TSS	32mm	SOFT SHACKLE INDUSTRIAL 30.6T COVERED	1.5	0.760	30.6T
RBRS0451TSS	40mm	SOFT SHACKLE INDUSTRIAL 45.1T COVERED	1.5	1.2	45.1T
RBRS0589TSS	48mm	SOFT SHACKLE INDUSTRIAL 58.9T COVERED	1.5	1.6	58.9T
RBRS0797TSS	56mm	SOFT SHACKLE INDUSTRIAL 79.7T COVERED	1.5	2.9	79.7T
RBRS1097TSS	68mm	SOFT SHACKLE INDUSTRIAL 109.7T COVERED	1.5	4.4	109.7T
RBRS1534TSS	80mm	SOFT SHACKLE INDUSTRIAL 153.4T COVERED	1.5	7.2	153.4T
RBRS2054TSS	96mm	SOFT SHACKLE INDUSTRIAL 205.4T COVERED	2	10.6	205.4T
RBRS260TSS	112mm	SOFT SHACKLE INDUSTRIAL 260T COVERED	2	16.2	260T
RBRS3094TSS	120mm	SOFT SHACKLE INDUSTRIAL 309.4T COVERED	2.5	19.0	309.4T
RBRS3861TSS	138mm	SOFT SHACKLE INDUSTRIAL 386.1T COVERED	2.5	26.0	386.1T

* Donaghys Soft Shackles currently not approved for lifting under an Australian standard.
We recommend a minimum D/d ratio of 2.5 between the bend diameter and the base rope diameter .

* Note the base rope diameter is 50% of the finished diameter displayed in the range above

FIBRE CHARACTERISTICS

Fibre type	Description	Specific gravity	Sensitive to	Resistant to	Heat reaction	Strength and elongation
UHMWPE Ultra High Molecular Weight Polyethylene	Continuous Filament	0.97g/cm3	Strong oxidizing agents, Chlorosulfonic and Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH > 14).	Most acids and alkalis, cold alcohols, ethers, esters, ketones and bleaches.	Softens 144°C. Mets 152°C.	Equivalent wet/ dry strength ratio. Elongation 4% at Break.