



Installation Guide

# Soft UHMwPE Shackles



Traceable ID tag

## FEATURES/ BENEFITS

- The perfect replacement for traditional metal shackles
- UHMwPE soft fibre shackle
- Made to connect strops 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 Strop range
- All shackles 22.1 tonne and above comes complete with cover
- Optional covers available on other sizes on request



Correct Connecting Method



## TECHNICAL

- 12 strand Stealth® UHMwPE fibre hand spliced into a soft shackle configuration
- Durable tag with unique serial number

## APPLICATIONS

- Metal Shackle replacement
- Towing & Recovery



Destruct Test Video

## RANGE

Product Code	Finished Dia. (mm)	Description	Open Length	Weight (kg)	Break Load (Tonnes)
RBRS012TSS	4mm	SOFT SHACKLE INDUSTRIAL 1.2T	0.15	0.003	1.2
RBRS018TSS	6mm	SOFT SHACKLE INDUSTRIAL 1.8T	0.15	0.005	1.8
RBRS031TSS	8mm	SOFT SHACKLE INDUSTRIAL 3.1T	0.15	0.006	3.1
RBRS044TSS	10mm	SOFT SHACKLE INDUSTRIAL 4.4T	0.5	0.030	4.4
RBRS062TSS	12mm	SOFT SHACKLE INDUSTRIAL 6.2T	0.5	0.058	6.2
RBRS095TSS	16mm	SOFT SHACKLE INDUSTRIAL 9.5T	0.5	0.083	9.5
RBRS0125TSS	18mm	SOFT SHACKLE INDUSTRIAL 12.5T	0.5	0.100	12.5
RBRS14TSS	20mm	SOFT SHACKLE INDUSTRIAL 14T	1	0.295	14.0
RBRS0221TSS	24mm	SOFT SHACKLE INDUSTRIAL 22.1T COVERED	1	0.390	22.1
RBRS0259TSS	28mm	SOFT SHACKLE INDUSTRIAL 25.9T COVERED	1	0.525	25.9
RBRS0306TSS	32mm	SOFT SHACKLE INDUSTRIAL 30.6T COVERED	1.5	0.900	30.6
RBRS0589TSS	40mm	SOFT SHACKLE INDUSTRIAL 58.9T COVERED	1.5	1.500	58.9
RBRS0797TSS	48mm	SOFT SHACKLE INDUSTRIAL 79.7T COVERED	1.5	2.176	79.7
RBRS1097TSS	56mm	SOFT SHACKLE INDUSTRIAL 109.7T COVERED	1.5	3.000	109.7
RBRS1534TSS	72mm	SOFT SHACKLE INDUSTRIAL 153.4T COVERED	1.5	4.500	153.4
RBRS2054TSS	84mm	SOFT SHACKLE INDUSTRIAL 205.4T COVERED	2	7.500	205.4
RBRS260TSS	96mm	SOFT SHACKLE INDUSTRIAL 260T COVERED	2	11.400	260
RBRS3094TSS	108mm	SOFT SHACKLE INDUSTRIAL 309.4T COVERED	2.5	20.125	309.4
RBRS3861TSS	128mm	SOFT SHACKLE INDUSTRIAL 386.1T COVERED	2.5	27.500	386.1
Other sizes available on request					

\* Donaghys Soft Shackles currently not approved for lifting under an Australian standard (currently under review). 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
<b>UHMWPE</b> 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. Melts 152°C.	Equivalent wet/ dry strength ratio. Elongation 4% at Break.