

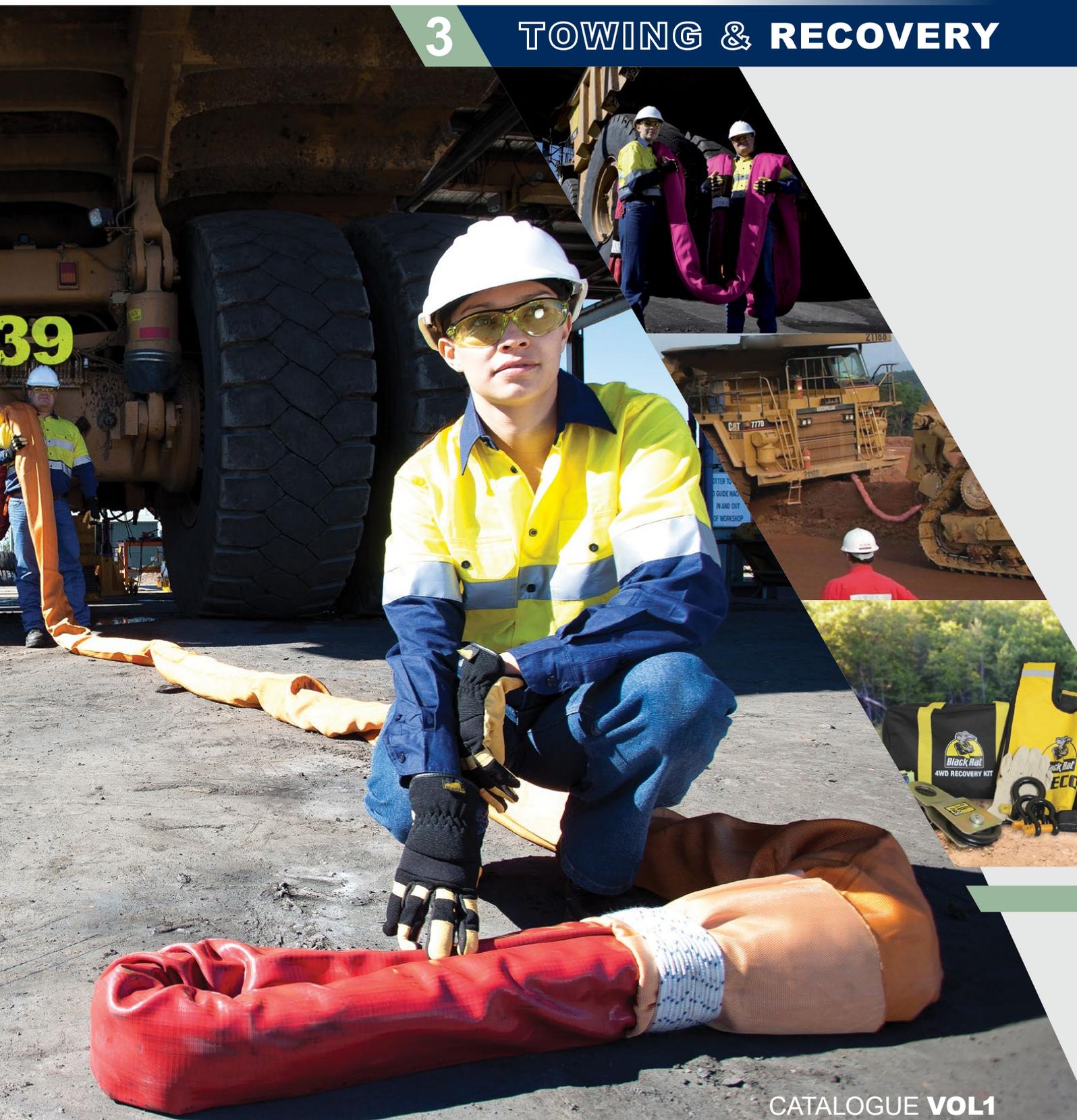


safety

FOR SAFE  
WORKING LIVES

3

TOWING & RECOVERY



CATALOGUE VOL1





# TOWING & RECOVERY

# 3



BUNZL SAFETY UNDERSTANDS THE IMPORTANCE OF MOVING VEHICLES SAFELY, and therefore only offers cost effective, high quality equipment suited to recovering and towing everything from four wheel drives and smaller machinery, right through to large mining vehicles.

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# WINCHLINE ROPE

## WINCHLINE ROPE

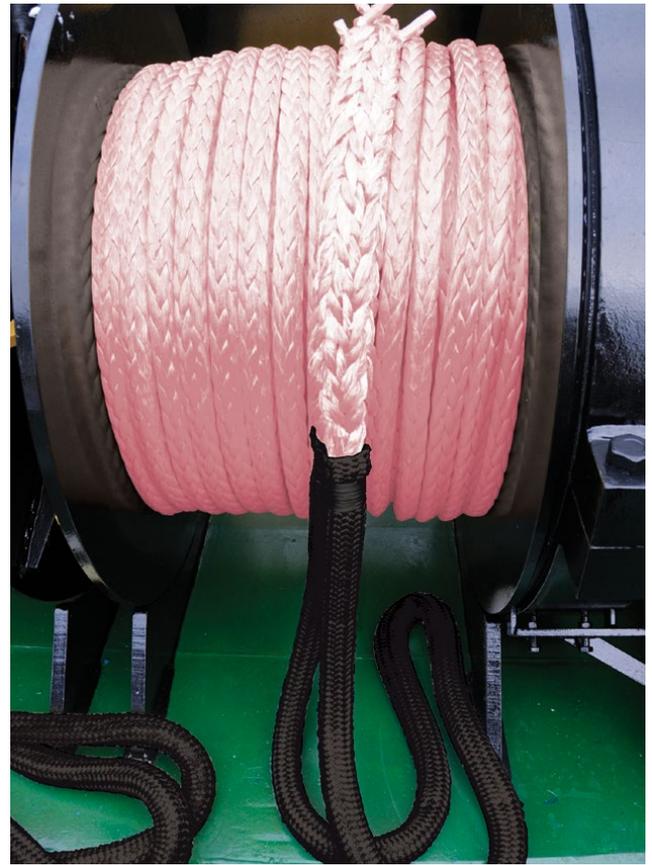
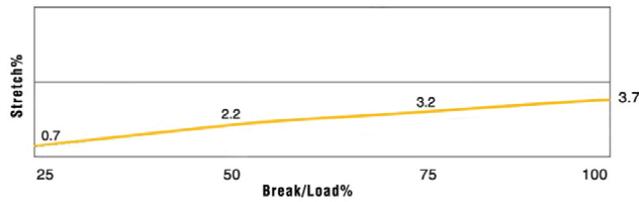


### STEALTH® UHMWPE 12 STRAND BRAID

Made from high strength UHMWPE (Ultra High Molecular weight Polyethylene) fibres, Donaghys Winchline has a very low elongation of 4% at break, and on a weight for weight basis, is 15 times stronger than steel wire rope.

RANGE AVAILABLE: 1 mm to 96mm, sold by the metre.

### STRETCH VS BREAK LOAD



### STEALTH® UHMWPE 12 STRAND BRAID

#### FEATURES AND BENEFITS

- 8 x lighter and 15 times stronger than steel wire rope
- Low stretch, easy to splice and non-rotational
- Unique pink colour for safety
- High UV and chemical resistance
- Floats and will not absorb water
- High internal and external abrasion resistance
- Virtually no recoil in the unlikely event of failure
- Maximum continuous length removes waste factors and enhances hauling/winch line integrities
- High performance abrasion / heat resistant jackets available on request

#### APPLICATIONS

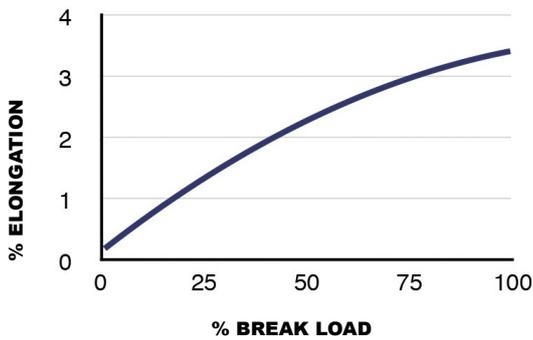
Winch lines, vehicle rescue/recovery, logging, towing line or pulling/stringing lines

CODE	DIAMETER (mm)	BREAK FORCE (t)	MAX. LENGTH APP. METRES	WINCHLINE BREAK FORCE (t)	WINCHLINE WEIGHT / 100M (kg)	6X36 IWRC WIRE ROPE GRADE: 1960 BREAK FORCE (t)	6X36 IWRC WIRE ROPE WEIGHT / 100M (kg)
D4BRS09WAM	9	9.3	1025	9.3	4.0	5.8	33.2
D4BRS12WAM	12	17.0	3050	17.0	7.8	10.3	58.8
D4BRS14WAM	14	19.9	2250	19.9	10.5	14.0	80.2
D4BRS16WAM	16	26.1	1720	26.1	12.0	18.3	104.0
D4BRS18WAM	18	34.7	1360	34.7	17.0	23.0	132.0
D4BRS20WAM	20	45.3	1100	45.3	20.0	28.4	163.0
D4BRS22WAM	22	52.2	904	52.2	25.0	34.5	197.0
D4BRS24WAM	24	61.3	760	61.3	29.0	41.0	235.0
D4BRS26WAM	26	72.5	650	72.5	34.0	48.1	276.0
D4BRS32WAM	32	93.9	1189	93.9	52.0	72.9	418.0
D4BRS36WAM	36	118	939	118	60.0	92.2	531.0
D4BRS44WAM	44	174	629	174	81.0	138.0	793.0

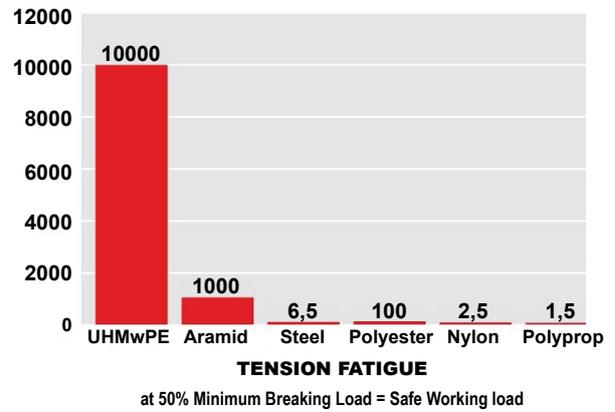
Note: Other sizes available on request.

## TECHNICAL

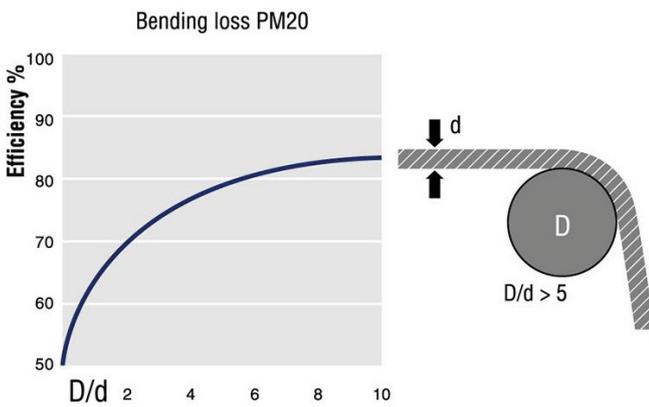
### ELONGATION VS BREAK LOAD



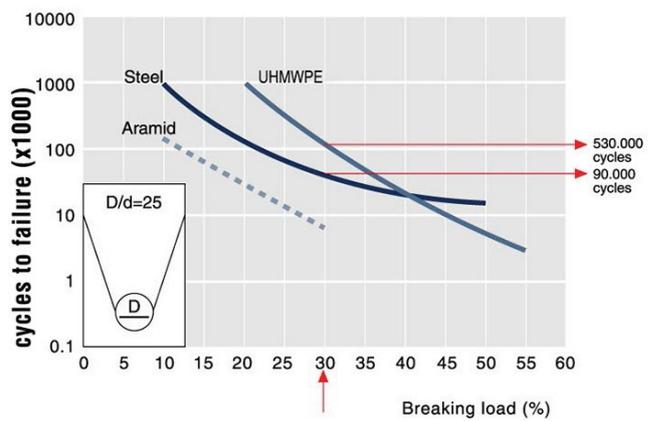
### ROPE PROPERTIES; TENSION FATIGUE



### ROPE PROPERTIES; STATIC BENDING



### BENDING FATIGUE



# HEAVY DUTY RECOVERY STROPS

## HEAVY DUTY RECOVERY STROPS



### MONGOOSE RECOVERY STROPS

Mongoose Heavy Duty Tow Strops are 12 strand UHMwPE (Ultra High Molecular weight Polyethylene) tow rope designed for industrial, and light vehicle recovery.

Mongoose Strops come fitted with a heavily protected 200mm soft eye splice in each end and feature a tight heavy duty nylon cover.

#### FEATURES AND BENEFITS

- Ultra high strength to weight ratio
- Lightweight and flexible to reduce risk of back injuries
- Low elongation & high wear resistance
- Minimal re-coil and kinetic energy at break
- Traceability (durable ID tags)
- Reduced hand injuries (no fish hooking)
- Heavy duty tight 100% flat Nylon Braid cover
- Certified to Tonnage rating

#### APPLICATIONS

Light and heavy vehicle recovery, 4 x 4 vehicle recovery, vehicle towing

#### HEAVY DUTY TIGHT 100% FLAT NYLON BRAID BODY & EYES



Extreme strength from Winchline core



Heavy duty nylon braid on body and eyes protects from wear and tear



Traceable ID tags



MONGOOSE BY DONAGHY'S

CODE	FINISHED DIAMETER (mm)	BREAK LOAD (t)	LENGTH (m)	WEIGHT OF COMPLETED STROP (kg)
BRY30T06	32	30	6	4.5
BRY30T10	32	30	10	7.0
BRY30T15	32	30	15	10.5
BRY30T20	32	30	20	14.0
BRY50T01	38	50	1	2.0
BRY50T03	38	50	3	4.0
BRY50T06	38	50	6	6.5
BRY50T10	38	50	10	10.0
BRY50T15	38	50	15	15.0
BRY50T20	38	50	20	20.5
BRY70T01	44	70	1	2.5
BRY70T03	44	70	3	4.5
BRY70T06	44	70	6	7.5
BRY70T10	44	70	10	13.0
BRY70T15	44	70	15	17.0
BRY70T20	44	70	20	28.0
BRY100T6	48	100	6	12.0
BRY100T10	48	100	10	15.5
BRY100T15	48	100	15	29.5
BRY100T20	48	100	20	34.0
BRY150T10	65	150	10	24.0
BRY150T20	65	150	20	47.0
BRY200T15	75	200	15	45.5
BRY300T15	82	300	15	65.0

Note: Other sizes and lengths available on request.

# HEAVY DUTY RECOVERY STROPS

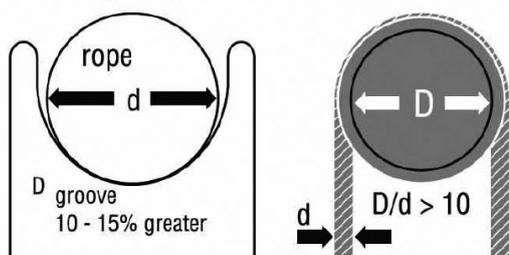
## CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS



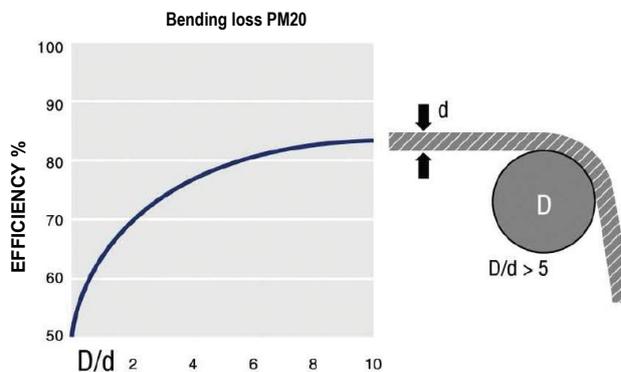
MONGOOSE BREAK FORCE (t)	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE LM GRADIENT OVER 10M DISTANCE (1:10)	10° INCLINE LM GRAIDENT OVER 6M DISTANCE (1:6)	15° INCLINE LM GRADIENT OVER 4M DISTANCE (1:4)
30	60	30	20	120	64	41
50	100	50	35	201	106	68
70	140	70	50	281	148	95
100	200	100	70	401	212	135
150	300	150	100	602	318	203
200	400	200	140	803	424	271
250	500	250	170	1004	529	338
300	600	300	200	1204	635	406
350	700	350	245	1405	741	474
400	800	400	280	1606	847	541
450	900	450	315	1807	953	609
500	1000	500	350	2007	1059	676

### ROPE PROPERTIES; BENDING FATIGUE

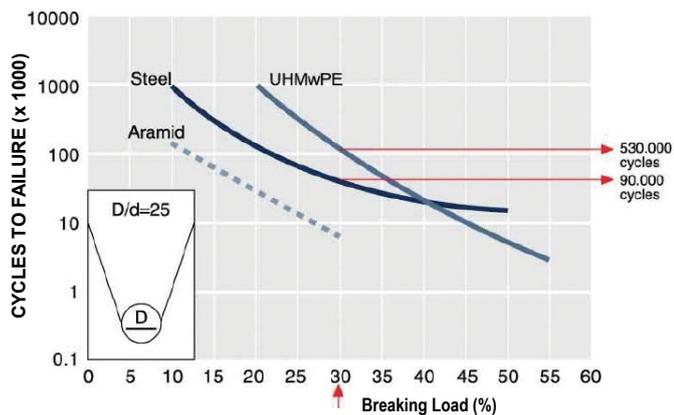
Sheaves should be smooth and clean (no rust)  
Groove material can play an important role in life



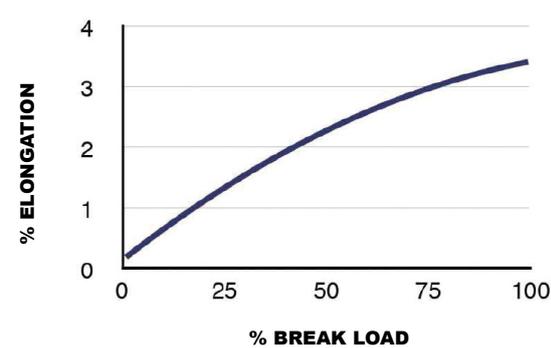
### ROPE PROPERTIES; STATIC BENDING



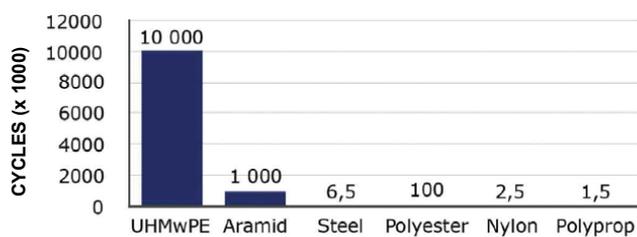
### BENDING FATIGUE



### ELONGATION VS BREAK LOAD



### TENSION FATIGUE



at 50% Minimum Breaking Load = Safe Working load



# VEHICLE RECOVERY TOW KITS

## VEHICLE RECOVERY TOW KITS



MONGOOSE BY DONAGHY'S

### MONGOOSE® VEHICLE RECOVERY TOW KITS 30-150T

#### FEATURES AND BENEFITS

- Available in 30T and 150T options suitable for light, medium or heavy vehicles. Water, environmental or rubbish removal trucks in remote areas
- Can be easily stored in tool boxes or under carriage/trailer compartments or behind the seat for smaller 4WD applications
- Safe and light weight Soft Shackle connects to shackles, D-Rings or dolly pins

#### APPLICATIONS

Suitable for use in light, medium or heavy applications and new road construction applications.

#### KIT CONTAINS

Heavy duty protective bag contains 1 x Mongoose® Recovery Strop & 2 x Soft Shackles.



CODE	DESCRIPTION	BAG CONTENTS	STROP LENGTH (m)	APPLICATION	KIT WEIGHT (kg)
BRY30TRK	Mongoose Recovery Kit Light Vehicle 30T	1 x 30T Strop, 2 x 30T Soft Shackles	6	Light Vehicle	6.8
BRY70TRK	Mongoose Recovery Kit Med Vehicle 70T	1 x 70T Strop, 2 x 70T Soft Shackles	6	Medium Vehicle	8.1
BRY150TRK	Mongoose Recovery Kit Heavy Vehicle 150T	30 1 x 150T Strop, 2 x 150T Soft Shackles	6	Heavy Vehicle	21.9



Light Vehicle Recovery Kit



Medium Vehicle Recovery Kit

### CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS GROSS VEHICLE WEIGHT (GVW)

MONGOOSE BREAK FORCE (t)	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE LM GRADIENT OVER 10M DISTANCE (1:10)	11° INCLINE LM GRADIENT OVER 6M DISTANCE (1:6)	18° INCLINE LM GRADIENT OVER 4M DISTANCE (1:4)
30	60	30	20	120	64	41
70	140	70	50	281	148	95
150	300	150	100	602	318	203

\* The weight of a vehicle in tow based in Tonnes

### FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
<b>NYLON</b> (Polyamide)	Continuous Filament	1.14	Strong acids and oxidising agents, soluble in formic, sulphuric acids and phenolic compounds	Alkalis, alcohols, esters, hydrocarbons and most bleaches	Softens 229°C Melts 249°C - 260°C	Elongation Dry 40%. Wet 35%. 90-95% strength ratio weUdry
<b>UHMWPE</b> Ultra High Molecular Weight Polyethylene (UHMWPE)	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144°C Melts 152°C	Equivalent weUdry strength ratio. Elongation 4 % at Break

## BLACK SNAKE KEVLAR® RECOVERY TOW STROPS



The endless parallel lay configuration of the KEVLAR® fibres, coupled with high strength steel eyes encased in a thick, rubber cover, creates lightweight, rugged and very high break strength strops. From 0.3 metres up to 20 metres in length and ranging from 10-400 tonnes break strength, Black Snake KEVLAR® Recovery strops are suitable for most recovery situations in mine operations and heavy duty applications. With over 18,000 KEVLAR® Recovery Stropps produced, Black Snake KEVLAR® Recovery stropps provide a practical and proven alternative to wire rope, chain or fibre rope/round-sling/webbing straps.

### BLACK SNAKE KEVLAR® RECOVERY TOW STROPS

#### FEATURES AND BENEFITS

- Kevlar® K29 Very High Strength Inner Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Low Stretch of 4% at MBS for Low Recoil
- Individual Serial Number & RFID Traceability



#### KEVLAR® RECOVERY TOW STROP 20t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-20	Black Snake 20 tonne MBS, Range 0.5 metre to 20 metre	20	Each	1



#### KEVLAR® RECOVERY TOW STROP 30t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-30	Black Snake 30 tonne MBS, Range 0.3 metre to 20 metre	30	Each	1



#### KEVLAR® RECOVERY TOW STROP 50t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-50	Black Snake 50 tonne MBS, Range 0.3 metre to 20 metre	50	Each	1



#### KEVLAR® RECOVERY TOW STROP 70t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-70	Black Snake 70 tonne MBS, Range 0.3 metre to 20 metre	70	Each	1



# KEVLAR® RECOVERY TOW STROPS



## BLACK SNAKE KEVLAR® RECOVERY TOW STROPS

### FEATURES AND BENEFITS

- Kevlar® K29 Very High Strength Inner Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Low Stretch of 4% at MBS for Low Recoil
- Individual Serial Number & RFID Traceability



LIFTING & MATERIALS HANDLING | TOWING & RECOVERY

KEVLAR® RECOVERY TOW STROPS

### KEVLAR® RECOVERY TOW STROP 100t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-100	Black Snake 100 tonne MBS, Range 1 metre to 20 metre	100	Each	1



### KEVLAR® RECOVERY TOW STROP 150t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-150	Black Snake 150 tonne MBS, Range 1 metre to 20 metre	150	Each	1



### KEVLAR® RECOVERY TOW STROP 200t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-200	Black Snake 200 tonne MBS, Range 1 metre to 20 metre	200	Each	1



### KEVLAR® RECOVERY TOW STROP 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300	Black Snake 300 tonne MBS, Range 1.5 metre to 20 metre	300	Each	1





## BLACK SNAKE KEVLAR® RECOVERY TOW STROPS

### FEATURES AND BENEFITS

- Kevlar® K29 Very High Strength Inner Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Low Stretch of 4% at MBS for Low Recoil
- Individual Serial Number & RFID Traceability



### KEVLAR® RECOVERY TOW STROP C/W A & B FITTINGS 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300AB	Black Snake 300 tonne MBS, 10 metre to 20 metre	300	Each	1



### KEVLAR® RECOVERY TOW STROP C/W A & B FITTINGS EACH END 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300BB	Black Snake 300 tonne MBS, 10 metre to 20 metre	300	Each	1



### KEVLAR® RECOVERY TOW STROP 400t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-400	Black Snake 400 tonne MBS, 4 metre to 20 metre	400	Each	1



# NYLON RECOVERY TOW STROPS

## BLACK SNAKE NYLON RECOVERY TOW STROPS



### BLACK SNAKE NYLON RECOVERY TOW STROPS

#### FEATURES AND BENEFITS

- Nylon 6.6 High Tenacity Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Smooth High Stretch of up to 20% for Kinetic Recovery
- Individual Serial Number for Traceability



#### NYLON RECOVERY TOW STROP 8-12t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-08	Black Snake 8 tonne MBS, 6 metre to 20 metre	8	Each	1
BSS-12	Black Snake 12 tonne MBS, 6 metre to 20 metre	12	Each	1



#### NYLON RECOVERY TOW STROP 20t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-20	Black Snake 20 tonne MBS, 3 metre to 20 metre	20	Each	1



#### NYLON RECOVERY TOW STROP 30t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-30	Black Snake 30 tonne MBS, 3 metre to 20 metre	30	Each	1



#### NYLON RECOVERY TOW STROP 50t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-50	Black Snake 50 tonne MBS, 3 metre to 20 metre	50	Each	1



#### NYLON RECOVERY TOW STROP 70t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-70	Black Snake 70 tonne MBS, 4 metre to 20 metre	70	Each	1



#### NYLON RECOVERY TOW STROP 100t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-100	Black Snake 100 tonne MBS, 6 metre to 20 metre	100	Each	1



# TWIN-PATH® TOW SLINGS FROM 5 TO 600 TONNES

Twin-Path® slings are manufactured in Australia by Beaver Brands, (under licence from Slingmas), and are constructed with K-Spec® high performance fibres which will not stretch under load - enabling accurate control. The slings consist of a Covermax® outer cover, which is four times more abrasion resistant than other slings with standard polyester covers.

## WEIGHT ADVANTAGE

- 80% lighter than steel wire rope/chain slings
- 50% lighter than polyester.

## CONTROL OF SLINGS

- Lightweight allowing better control by operators.

## STORAGE, RETRIEVAL AND SALVAGE

- Easy rolled and folded for storage
- Ease of transport.

## WEAR RESISTANT COVERMAX® OUTER COVER WOVEN

- Outer cover fabric is more abrasive resistant than common nylon or polyester.

## REDUCED RIGGING TIMES

- Up to 80% reduction in rigging times.

## SAFETY

- Reduce exposure to back and work related injury.

## PROTECTIVE SLEEVES

- Covermax® pads and sleeves available if required.

## TELL TAILS / OPTICAL FIBRES

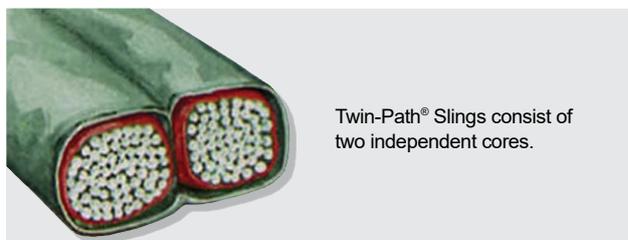
- Allows continual monitoring of sling safety.

## APPLICATIONS

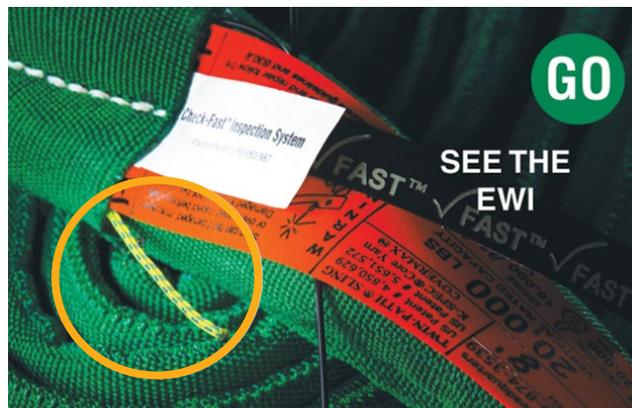
- Special and heavy lifts
- Mining, towing, lifting
- Marine - Naturally Buoyant - K-Spec® does not absorb moisture
- Power stations.



**AUSTRALIAN MADE**



Twin-Path® Slings consist of two independent cores.



**GO**

SEE THE EWI

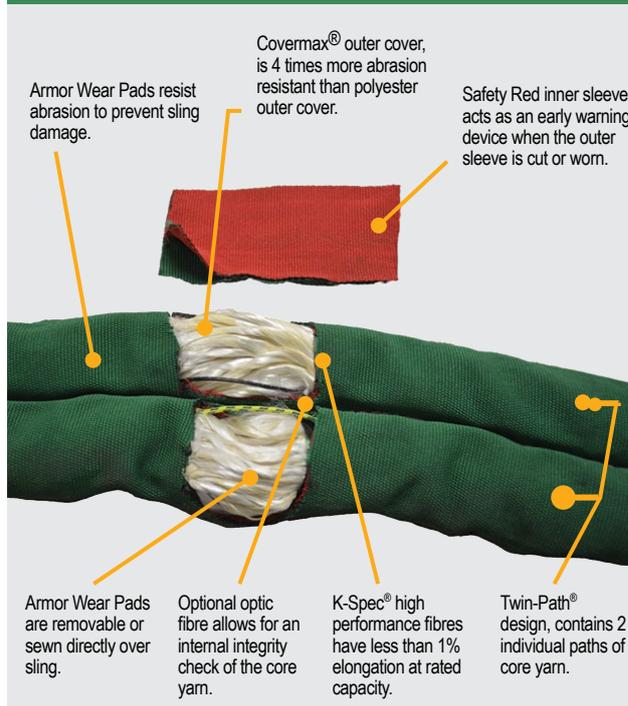


**NO-GO**

EWI MISSING

If the early warning indicators (EWI) is missing, the sling may be unfit for use.

## SUPERIOR PATENTED DESIGN FEATURES



Armor Wear Pads resist abrasion to prevent sling damage.

Covermax® outer cover, is 4 times more abrasion resistant than polyester outer cover.

Safety Red inner sleeve acts as an early warning device when the outer sleeve is cut or worn.

Armor Wear Pads are removable or sewn directly over sling.

Optional optic fibre allows for an internal integrity check of the core yarn.

K-Spec® high performance fibres have less than 1% elongation at rated capacity.

Twin-Path® design, contains 2 individual paths of core yarn.

# TWIN-PATH® TOW SLINGS



## TWIN-PATH® TECHNICAL SPECIFICATIONS

### FEATURES AND BENEFITS

- High performance lifting sling
- Constructed with unique K-Spec® fibres
- Water resistant Covermax® cover
- 80% lighter than steel wire rope/chains
- Tell tails/optical fibres to monitor the safety of the sling
- 50% lighter than polyester



### TWIN-PATH® CHART 5:1 - TOWING

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC5	25000	75	0.3608
TPXC6	30000	75	0.4330
TPXC8	40000	75	0.5773
TPXC10	50000	75	0.7216
TPXC12	60000	100	0.8659
TPXC15	75000	100	1.0824
TPXC20	100000	125	1.4432
TPXC25	125000	125	1.8040
TPXC30	150000	150	2.1648
TPXC35	175000	150	2.5256
TPXC40	200000	150	2.8864
TPXC45	225000	150	3.2472
TPXC50	250000	200	3.6080
TPXC55	275000	200	3.9688
TPXC60	300000	200	4.3296
TPXC65	325000	200	4.6904
TPXC70	350000	200	5.0512
TPXC75	375000	250	5.4120
TPXC80	400000	250	5.7728
TPXC85	425000	250	6.1336
TPXC90	450000	250	6.4944
TPXC95	475000	300	6.8552
TPXC100	500000	300	7.2160

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC105	525000	300	7.5768
TPXC110	550000	300	7.9376
TPXC115	575000	300	8.2984
TPXC120	600000	300	8.6592
TPXC125	625000	300	9.0200
TPXC130	650000	300	9.3808
TPXC135	675000	300	9.7416
TPXC140	700000	300	10.1024
TPXC145	725000	250 & 100	15.6948
TPXC150	750000	250 & 100	16.2360
TPXC155	775000	250 & 100	16.7772
TPXC160	800000	250 & 100	17.3184
TPXC165	825000	250 & 100	17.8596
TPXC170	850000	200 & 150	18.4008
TPXC175	875000	200 & 150	18.9420
TPXC180	900000	200 & 150	19.4832
TPXC185	925000	250 & 150	20.0244
TPXC190	950000	250 & 150	20.5656
TPXC195	975000	250 & 150	21.1068
TPXC200	1000000	250 & 150	21.6480
TPXC250	1250000	250 & 150	27.0600
TPXC300	1500000	200 & 200	43.2960

Note: Other lengths and sizes available on request.



## SHACKLES & HEADRINGS



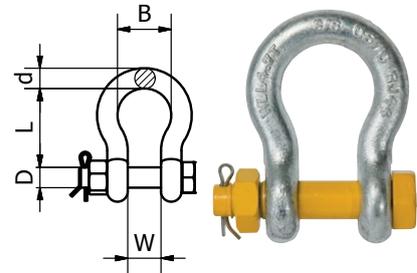
### GRADE S SAFETY SHACKLE

#### BOW TYPE

We stock an extensive range of shackles for an array of towing and recovery applications.

#### FEATURES AND BENEFITS

- Grade 'S' bow safety shackle
- Full traceability with markings
- Manufacturer conducts proof tests of shackles to guarantee quality



### YELLOW PIN GRADE 'S' SAFETY PIN SHACKLES TO AS 2741

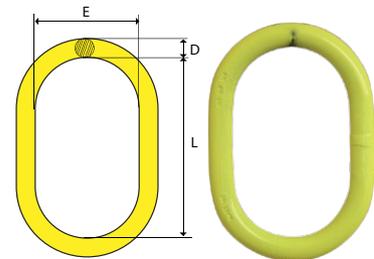


CODE	Size (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	DIA PIN D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS B (mm)	APPROX WEIGHT (kg)	UOM	PACK QTY
244345	45 x 51	25	Grade S	Bow	Safety Pin	45	51	73	178	127	110	14.99	Each	1
244351	51 x 57	35	Grade S	Bow	Safety Pin	51	57	83	197	146	127	20.65	Each	1
244357	57 x 63	45	Grade S	Bow	Safety Pin	57	63	97	218	156	136	32.50	Each	1
244363	63 x 70	55	Grade S	Bow	Safety Pin	63	70	105	267	184	152	41.05	Each	1

### HEAD RINGS

CODE	WLL (t)	L (mm)	E (mm)	D (mm)	WEIGHT (kg)	MBS (t)
M-3632-10	56	350	200	55	20.47	224
M-4536-10	70	375	210	60	26.4	280
M90T-10	90	450	250	70	42.8	360
M-125T-10	125	450	260	80	57	500

Other sizes and styles available. Call your local branch for further information.

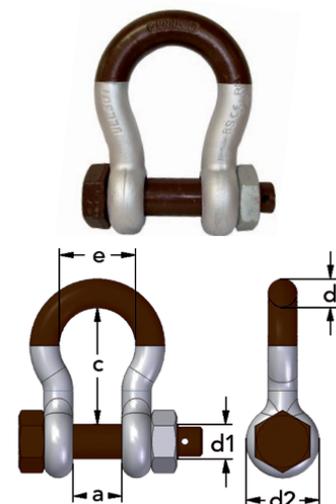


### LIGHTWEIGHT SUPER SHACKLES #858

#### BOW TYPE

CODE	WLL (t)	D1 (mm)	DIM d (mm)	A (mm)	C (mm)	D2 (mm)	E (mm)	WEIGHT (kg)	MBS (t)
A085835	21	38	35	57	132	74	89	7	105
A085838	30	42	38	60	146	89	99	8.8	150
A085845	40	50	45	74	178	105	126	15	200
A085857	55	57	57	83	197	117	138	22	275
A085870	85	70	70	105	260	143	180	38	425
A085883	120	83	83	127	329	162	190	70	600
A085895	150	95	95	144	400	208	238	112	750

Other sizes and styles available. Call your local branch for further information.



# SOFT SHACKLES

## SOFT SHACKLES



### DONAGHYS SOFT UHMWPE SHACKLES

12 strand UHMWPE fibre Winchline hand knotted into adjustable soft shackle configuration

#### FEATURES AND BENEFITS

- HMPE Adjustable Shackle
- Versatile, safe and easy to use
- Perfect replacement for traditional steel rated shackles
- Manufactured to connect strops or slings to vehicles
- Soft, so will not damage or shatter if broken as with steel shackles

#### APPLICATIONS

Metal Shackle replacement



CODE	DESCRIPTION	WINCHLINE FINISHED SIZE	OPEN MIN. LENGTH	WEIGHT (kg)	WLL TONNES (4:1)
BRS30TSS	Soft Shackle 30T	34mm	1.5m	0.8	7.5
BRS50TSS	Soft Shackle 50T	40mm	1.5m	1.0	12.5
BRS70TSS	Soft Shackle 70T	48mm	1.5m	1.6	17.5
BRS100TSS	Soft Shackle 100T	60mm	1.5m	2.5	25.0
BRS150TSS	Soft Shackle 150T	76mm	1.5mm	4.9	37.5
BRS200TSS	Soft Shackle 200T	88mm	2.0mm	8.4	50.0
BRS250TSS	Soft Shackle 250T	104mm	2.0mm	13.6	62.5
BRS300TSS	Soft Shackle 300T	112mm	2.5mm	18.3	75.0
BRS350TSS	Soft Shackle 350T	120mm	2.5mm	26.5	87.5
BRS400TSS	Soft Shackle 400T	128mm	3.0mm	33.8	100.0
BRS450TSS	Soft Shackle 450T	136mm	3.0mm	39.5	112.5
BRS500TSS	Soft Shackle 500T	144mm	3.0mm	49.0	125.0

LIFTING & MATERIALS HANDLING | TOWING & RECOVERY



#### FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
<b>UHMWPE</b> Ultra High Molecular Weight Polyethylene	Continuous Filament	0.97 g/cm <sup>3</sup>	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144°C Melts 152°C	Equivalent wet/dry strength ratio. Elongation 4% at Break

SOFT SHACKLES

3

## BLACK RAT 4WD ACCESSORIES



### BLACK RAT 4WD NYLON HEAVY DUTY RECOVERY (SNATCH-EM) STRAP KIT

#### FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability
- Supplied in carry bag



CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342304BHK	Each kit contains, 9m x 60mm heavy duty snatch strap, leather safety gloves, 2 bow shackles 16 x 19mm 3.2t W.L.L., carry bag	9000	4.2	Each	1
342322BHK	Each kit contains, 9m x 75mm heavy duty snatch strap c/w red overload indicator fibre, leather safety gloves, 2 bow shackles 16 x 22mm 4.7t W.L.L., carry bag	12000	4.4	Each	1



### BLACK RAT 4WD NYLON HEAVY DUTY (SNATCH-EM) STRAP

#### FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342319B	9m x 60mm heavy duty	9000	2.38	Each	8
342322B	9m x 75mm heavy duty	12000	3.4	Each	8



### BLACK RAT 4WD NYLON HEAVY DUTY RECOVERY STRAP

#### FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342316	9m x 60mm heavy duty 2 ply	16000	3.9	Each	1
342318F	9m x 60mm heavy duty 4 ply	30000	7.7	Each	1



### BLACK RAT 4WD POLYESTER WINCH EXTENSION STRAPS

#### FEATURES AND BENEFITS

- Extension strap to assist with long reach recovery situations
- Available in a variety of sizes and lengths
- Reinforced eyes for durability
- MBS 4000kg

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342305B	10m x 50mm winch extension strap	4000	1.35	Each	1
342306B	20m x 50mm winch extension strap	4000	2.47	Each	1
342308B	30m x 50mm winch extension strap	4000	3.42	Each	1



# BLACK RAT 4WD ACCESSORIES



## BLACK RAT 4WD SAFETY RECOVERY BAG KIT

### FEATURES AND BENEFITS

- For all your recovery needs this complete 4WD recovery kit will get you out of a bogged situation

### THE KIT CONTAINS

- 1 x 4WD recovery bag complete with reflective triangle
- 1 x 9m x 60mm heavy duty snatch strap
- 1 x heavy duty off road block to suit up to 11mm wire rope
- 1 x 3m x 75mm tree trunk protector with 12,000kgs MBS
- 1 x 5m x 25mm heavy duty ratchet tie down assembly with a lashing capacity of 500 kg to AS/NZS 4380
- 1 x 16 x 19mm screw pin bow grade shackle, W.L.L. 3.2t
- 1 x 19 x 22mm screw pin bow grade S shackle, W.L.L. 4.7t
- 1 x open mesh drying bag
- 1 pair of riggers leather gloves
- Recovery damper



CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
342350BK	Complete kit	11.6	Each	1



## BLACK RAT 4WD TOWING KIT C/W CARRY BAG

### FEATURES AND BENEFITS

- 4m polyester towing strap complete with reinforced eyes
- Includes vinyl carry bag
- This product has a built-in elasticised retention cord to minimise recoil
- MBS 12000kg



CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342309BK	4m towing kit c/w carry bag	12000	3.5	Each	1



## BLACK RAT BIGHAUL™ WIRE ROPE HOISTS

### FEATURES AND BENEFITS

- Compact, high strength aluminium alloy housing
- Lightweight, safet and easy to operate
- Complies to AS1418.2



CODE	RATED CAPACITY PULLING (kg)	RATED CAPACITY LIFTING (kg)	WIRE ROPE DIA. (mm)	STD ROPE LENGTH (m)	ROPE ADVANCED PER FULL STROKE CYCLE (mm)	EFFORT ON HANDLE AT RATED LIFTING CAPACITY; FORWARD OPERATION. (kN)	NETT WEIGHT WIRE ROPE AND REEL (kg)	NETT WEIGHT WITHOUT WIRE ROPE (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
518508	1250	800	8.3	20	60	284	7.5	7.5	430	165	230	60	800	N/A
518516	2500	1600	11	20	60	412	12	12	540	190	300	75	790	1200
518532	5000	3200	16	20	40	441	13	13	660	220	330	110	790	1200



## BLACK RAT 4WD 2 TONNE CABLE PULLER

### FEATURES AND BENEFITS

- Lightweight wire rope puller for 2t pulling capacity
- Heavy duty all steel construction
- Drop forged hooks complete with safety latches



CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
341002B	2t cable puller c/w 1.5m wire rope	3.8	Each	4



## BLACK RAT 4WD OFF-ROAD BLOCK C/W VINYL CARRY BAG

### FEATURES AND BENEFITS

- Cast iron cover plates for durability
- Accommodates up to 11mm wire rope
- MBS 8000kg
- Includes convenient carry bag



CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
514125B	Off-road block with carry bag	3.8	Each	1

# BLACK RAT 4WD ACCESSORIES



## BLACK RAT 4WD RECOVERY FOLDING SHOVEL

### FEATURES AND BENEFITS

- Compact lightweight shovel
- Durable serrated blade for tough jobs
- Knurled collar to easily secure blades in position
- Complete with carry bag for storage
- Folded position 425mm x 152mm

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
519507B	Folding shovel c/w carry bag	1.1	Each	20



## BLACK RAT 4WD RATED BOW SHACKLES

### FEATURES AND BENEFITS

- High quality Grade S rated shackles
- Manufactured & tested to AS2741

CODE	DESCRIPTION	WLL (t)	WEIGHT (kg)	UOM	PACK QTY
342216BK	16 x 19mm 4WD Grade S bow shackles	3.2	0.65	Each	1
342219BK	19 x 22mm 4WD Grade S bow shackles	4.7	1.115	Each	1



## BLACK RAT 4WD TOWING HOOK ASSEMBLY

### FEATURES AND BENEFITS

- Handy accessory allows easy coupling of recovery equipment
- Manufactured from forged steel and comes in black finish
- Complete with nuts, bolts and plate to suit standard tow bars
- MBS 4545kg

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
519501B	Towing hook assembly (BLACK)	1.015	Each	6



## BLACK RAT RATCHET ASSEMBLIES



### BEAVER MULTI PURPOSE RATCHET TIE DOWN ASSEMBLY

When lashing down loads in a 4WD situation, it is important to use heavy duty reliable tie downs. Black Rat ratchet tie downs are fully tested with polyester webbing, reinforced eyes, steel hooks and keepers, and two protective wear sleeves. They comply to Australian and New Zealand Standards AS/NZS4380.



#### HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349025RB	Fitted with 5m x 25mm webbing and hook & keeper c/w protective sleeves. L.C. 500kg	0.85	Each	6



#### HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349025RSB	Fitted with 4m x 25mm webbing and black vinyl coated. "S" hooks c/w protective sleeves. L.C. 450kg	0.75	Each	6



#### HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349035RB	Fitted with 6m x 35mm webbing and hook & keeper c/w protective sleeves. L.C. 1500kg	1.6	Each	5



#### HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349035RSB	Fitted with 4m x 25mm webbing and black vinyl coated. "S" hooks c/w protective sleeves. L.C. 1000kg	1.5	Each	6



# BLACK RAT 4WD ACCESSORIES



## BLACK RAT 4WD GRADE 70 COMBINATION DRAG KITS

### FEATURES AND BENEFITS

- Grade 70 high tensile strength chain
- Includes lug and slip hook
- Available sizes 8mm or 10mm
- Complies to AS/NZS 4344



CODE	DESCRIPTION	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LUG LINK PART NUMBER	SLIP HOOK PART NUMBER	LC (kg)	WEIGHT (kg)	UOM
412008BK	5m x 7mm with grab, lug link & slip hooks	8	5	145008	354008	353008	356008	3800	8.39	Each
412010BK	5m x 10mm with grab, lug link & slip hooks	10	5	145010	354010	353010	356010	6000	12.8	Each



## BLACK RAT 4WD GRADE 70 DRAG CHAIN KITS

### FEATURES AND BENEFITS

- Grade 70 high tensile strength chain
- Includes lug and grab hook
- Available sizes 8mm or 10mm
- Complies to AS/NZS 4344



CODE	DESCRIPTION	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LUG LINK PART NUMBER	LC (kg)	WEIGHT (kg)	UOM
410008BK	5m x 8mm with grab hook & lug link	8	5	145008	354008	353008	3800	8.03	Each
410010BK	5m x 10mm with grab hook & lug link	10	5	145010	354010	353010	6000	12.2	Each



## GRUNT 12V AIR COMPRESSOR

### FEATURES AND BENEFITS

- Portable inflator
- Car battery powered
- Compact & lightweight air compressor
- Includes convenient carry bag



CODE	DESCRIPTION	MAX. DUTY CYCLE	POWER SUPPLY (dc)	MAX. PRESSURE (psi)	CURRENT (amps)	AIR FLOW (l/min)	CORD WITH BATTERY CLIPS	PU HOSE (m)	WEIGHT (kg)	UOM	PACK CARTON
GC400	12V air compressor max 85 litres/min. twin cylinder	40 min @ 40psi - 20°C	12V	150	30	84	2.4	5	4.5	Each	4

# FOR SAFE WORKING LIVES



**safety**

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