

BEAVER®

MATERIALS HANDLING TECHNICAL MANUAL

EDITION 4

- TESTED & COMMERCIAL CHAIN
- LIFTING CHAIN & COMPONENTS
- MATERIALS HANDLING
- SHACKLES
- RIGGING HARDWARE
- STEEL WIRE ROPE & FITTINGS
- STAINLESS STEEL PRODUCTS
- FLAT & ROUND POLYESTER SLINGS
- FIBRE ROPE
- TRANSPORT RESTRAINT EQUIPMENT
- BLACK RAT 4WD



beaver.com.au

1300 783 606







INTRODUCTION

Using the right equipment to safely lift and move equipment can save time, money, and most importantly, lives.

Knowing how to use this equipment, while having peace of mind that it meets all required Standards, and is easy for workers to identify and handle, is even more important. The Beaver name is synonymous with heavy duty, quality lifting and materials handling products you can rely on.

Our extensive, Australian designed range includes:-

- **Lifting Chain & Components**
- **Materials Handling Equipment**
- **Synthetic & Wire Rope Slings & Fittings**
- **General Purpose Chain**
- **Load Restraint & Recovery Equipment**

Established in 1977 Beaver's success is built on a commitment to provide products featuring the latest safety solutions including shackles and chain & lever blocks that have been colour coded for safely matching components and loads to lift or move, as well as extremely lightweight, high capacity synthetic lifting slings for quicker & easier handling.

Since inception, Beaver has been renowned for unparalleled quality and has invested heavily in maintaining AS/NZS ISO 9001 Quality Assurance accreditation and NATA accreditation to ISO/IEC 17025.

Also included in this catalogue is our range of Black Rat 4WD and recovery equipment, which has been safely and reliably used in Australia for over 20 years.

All Beaver products are manufactured to AS/NZS ISO 9001 Quality Assurance guidelines both here and overseas, and then batch tested for quality in our NATA accredited facilities in Australia.

Beaver materials handling and load restraint equipment is manufactured for Beaver Brands.

Information subject to change without notice.



SECTION 1 / TESTED & COMMERCIAL CHAIN

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BEAVER GRADE 100 LIFTING CHAIN

BEAVER HEAVY DUTY PLASTIC CHAIN

BEAVER CALIBRATED LOAD CHAIN



Beaver's in depth range of tested and commercial chain suits a variety of applications. Our diverse range covers; stainless steel, general purpose, trailer safety chain, Grade 'L', Grade 80, Grade 100, Grade 120, proof coil and anchor chain. Beaver's consistency in providing a Quality Product to the Australian Market has been tried and tested, sourcing our products from the finest mills throughout the world.

BEAVER REGULAR LINK PROOF COIL CHAIN

BEAVER REGULAR LINK PROOF COIL COMMERCIAL CHAIN

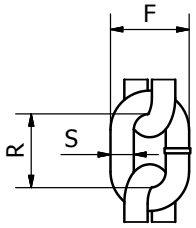
Beaver Proof Coil Commercial Chain is a non-rated chain, manufactured from low carbon steel and is for general purpose use only. “Proof coil” relates to the number of consistent links in any one length.

- Not Suitable for any lifting purposes
- Lengths include – regular link and long link
- Available in Hot Dipped Galvanised, Electro Galvanised and Self Colour

BEAVER REGULAR LINK PROOF COIL CHAIN

Hot Dipped Galvanised – Sizes 3 - 24mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
100303	3	3	16.6	13.1	Galvanised	Metre	534
100304	4	3.9	20	15.6	Galvanised	Metre	321
100305	5	4.7	25	18	Galvanised	Metre	230
100306	6	6	27	24	Galvanised	Metre	132
100308	8	7.6	35.8	29.2	Galvanised	Metre	86
100310	10	9.5	43.4	34	Galvanised	Metre	56
100313	13	13	50	46	Galvanised	Metre	28
100316	16	15.8	60	56	Galvanised	Metre	19
100320	20	19.8	72	70	Galvanised	Metre	12
100324	24	25	90	85	Galvanised	Metre	7.8





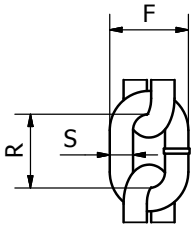
Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

BEAVER REGULAR LINK PROOF COIL CHAIN

Self Colour – Sizes 3 - 24mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
100103	3	3	16.6	13.1	Self Colour	Metre	591
100104	4	3.9	20	15.6	Self Colour	Metre	349
100105	5	4.7	25	18	Self Colour	Metre	246
100106	6	6	27	24	Self Colour	Metre	140
100108	8	7.6	35.8	29.2	Self Colour	Metre	90
100110	10	9.5	43.4	34	Self Colour	Metre	58
100113	13	13	50	46	Self Colour	Metre	29
100116	16	15.8	60	56	Self Colour	Metre	20
100120	20	19.8	72	70	Self Colour	Metre	12.6
100124	24	25	90	85	Self Colour	Metre	8





Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

CUSTOMISED BEAVER PROOF COIL CHAIN

Sizes 4 - 8mm

Code	Nominal Size mm	Finish	UOM	Length Metres
100304-VTC-AC	4	Hot Dipped Galvanised	Metre	3.1
100206-2.5	6	Electro Galvanised	Metre	2.5
100206-1.2	6	Electro Galvanised	Metre	1.2
130206-2.5	6	Electro Galvanised	Metre	2.5
130308-1.5	8	Electro Galvanised	Metre	1.5
130206-1.5	8	Hot Dipped Galvanised	Metre	1.5

Above are held on stock at customer's request.
Beaver can design for every application. eg. underground vent tube chain, conveyor hanging chain, etc.

NOT TO BE USED FOR LIFTING

BEAVER REGULAR LINK PROOF COIL CHAIN (CONT'D)

BEAVER REGULAR LINK HARDWARE CHAIN

Pre-Packed 50kg Handy Hardware Display Pail

Code	Size mm	UOM	Metres Per 50(kg)	Finish
100103PP	3	Pail	256	Self Colour
100203PP	3	Pail	249	Electro Galvanised
100303PP	3	Pail	249	Galvanised
100104PP	4	Pail	160	Self Colour
100304PP	4	Pail	170	Galvanised
100105PP	5	Pail	102	Self Colour
100305PP	5	Pail	97	Galvanised
100106PP	6	Pail	64.5	Self Colour
100306PP	6	Pail	60	Galvanised
100108PP	8	Pail	39	Self Colour
100308PP	8	Pail	37	Galvanised
100110PP	10	Pail	24.3	Self Colour
100310PP	10	Pail	23.6	Galvanised
100113PP	13	Pail	14.85	Self Colour
100313PP	13	Pail	13.8	Galvanised



Metres per pail are subject to + or - 10% on actual metreage

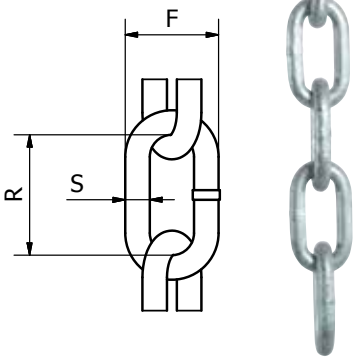
NOT TO BE USED FOR LIFTING

BEAVER LONG LINK PROOF COIL CHAIN

BEAVER LONG LINK PROOF COIL CHAIN

Hot Dipped Galvanised – Sizes 4 - 10mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
130304	4	4	25.4	18.6	Galvanised	Metre	318
130305	5	5	29.3	21.8	Galvanised	Metre	206
130306	6	6.3	34.5	26.1	Galvanised	Metre	128
130308	8	8	41.2	31.9	Galvanised	Metre	78.1
130310	10	10	49	38	Galvanised	Metre	50.2



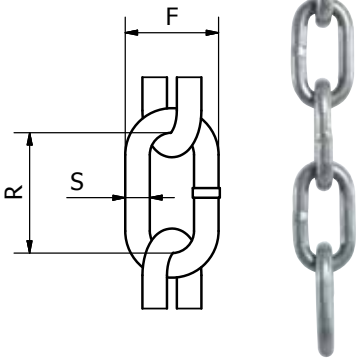


Metres per drum are subject to + or - 10% on actual metreage **NOT TO BE USED FOR LIFTING**

BEAVER LONG LINK PROOF COIL CHAIN

Self Colour – Sizes 4 - 10mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
130104	4	4	25.4	18.6	Self Colour	Metre	335
130105	5	5	29.3	21.8	Self Colour	Metre	217
130106	6	6.3	34.5	26.1	Self Colour	Metre	135
130108	8	8	41.2	31.9	Self Colour	Metre	82.2
130110	10	10	49	38	Self Colour	Metre	52.9



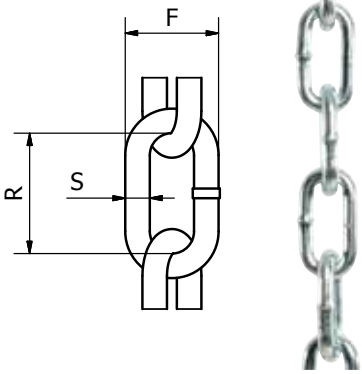


Metres per drum are subject to + or - 10% on actual metreage **NOT TO BE USED FOR LIFTING**

BEAVER LONG LINK PROOF COIL CHAIN

Electro Galvanised – Sizes 5 - 8mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
130205	5	5	29.3	21.8	Electro Gal	Metre	206
130206	6	6.3	34.5	26.1	Electro Gal	Metre	128
130208	8	8	41.2	31.9	Electro Gal	Metre	78.1





Metres per drum are subject to + or - 10% on actual metreage **NOT TO BE USED FOR LIFTING**

BEAVER GENERAL PURPOSE STAINLESS STEEL CHAIN

BEAVER STAINLESS STEEL GENERAL PURPOSE CHAIN

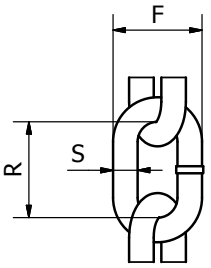
Beaver General Purpose Stainless Steel Chain, manufactured in 304 and 316 grade stainless steel.

- Not Suitable for any lifting or towing purposes
- Lengths include – short link, regular link and long link
- For Stainless Steel Lifting Chain – refer to Grade 50 Stainless Steel Chain

BEAVER GRADE 304 STAINLESS STEEL CHAIN

Regular Link – Sizes 4 - 10mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
147104	4	4	18.6	16	Stainless Steel	Metre	384.6
147106	6	6	26	23.5	Stainless Steel	Metre	137.3
147108	8	8	32.2	29.5	Stainless Steel	Metre	80
147110	10	10	39	36.2	Stainless Steel	Metre	49.6





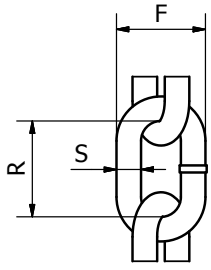
Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

BEAVER GRADE 316 STAINLESS STEEL CHAIN

Regular Link – Sizes 2 - 13mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
146102	2	2	14.8	8.25	Stainless Steel	Metre	1666.6
146104	4	4	18.6	16	Stainless Steel	Metre	384.6
146106	6	6	26	23.5	Stainless Steel	Metre	137.3
146108	8	8	32.2	29.5	Stainless Steel	Metre	80
146110	10	10	39	36.2	Stainless Steel	Metre	49.6
146113	13	13	49.1	46.1	Stainless Steel	Metre	28.7





Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

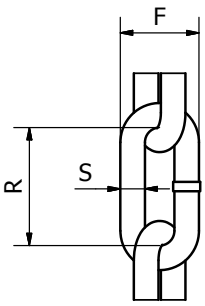
BEAVER GRADE 316 STAINLESS STEEL CHAIN

Short Link – Sizes 4 - 8mm

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
146206	6	6	30.5	19.2	Stainless Steel	Metre	133.3
146208	8	8	40	25.6	Stainless Steel	Metre	74.8

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





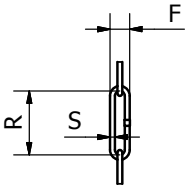
BEAVER GRADE 316 STAINLESS STEEL CHAIN

Long Link

Code	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
146102L	2	2	26	8	Stainless Steel	Metre	1639

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING







BEAVER GRADE 'L' CHAIN

BEAVER GRADE 'L' CHAIN

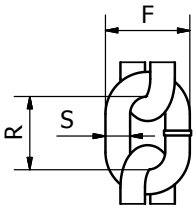
Beaver Grade 'L' Chain complies with the requirements of Australian Standard AS 2321 Short-Link Chain for Lifting Purposes. Manufactured from Grade 30 low carbon steel and is commonly used for moorings, anchor chain and other marine applications.

- Available in Galvanised and Self Colour finishes

BEAVER SHORT LINK GRADE 'L' CHAIN TO AS 2321

Self Colour – Sizes 6 - 10mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
143106	0.40	6	6.3	18.8	21.6	Self Colour	Metre	116.3
143108	0.64	8	8	23.8	27	Self Colour	Metre	71
143110	1.00	10	10	29.8	34.3	Self Colour	Metre	45





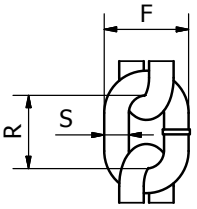
Metres per drum are subject to + or - 10% on actual metreage

NOT RECOMMENDED FOR LIFTING

BEAVER SHORT LINK GRADE 'L' CHAIN TO AS 2321

Hot Dipped Galvanised – Sizes 6 - 20mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
143306	0.40	6	6.3	18.8	21.6	Galvanised	Metre	110
143308	0.64	8	8	23.8	27	Galvanised	Metre	69.9
143310	1.00	10	10	29.8	34.3	Galvanised	Metre	43.9
143313	1.70	13	13	38.8	44.6	Galvanised	Metre	26.3
143316	2.58	16	16	47.8	54.8	Galvanised	Metre	17.5
143320	4.03	20	20	59.2	68.5	Galvanised	Metre	11.1





Metres per drum are subject to + or - 10% on actual metreage

NOT RECOMMENDED FOR LIFTING

BEAVER GRADE 'L' ANCHOR CHAIN

BEAVER GRADE 'L' ANCHOR CHAIN (FATHOM CHAIN)

Beaver Grade 'L' Anchor Chain commonly referred to as Fathom Chain, is used in heavy duty marine applications, such as anchors and mooring lines.

- Comes complete with enlarged link at each end

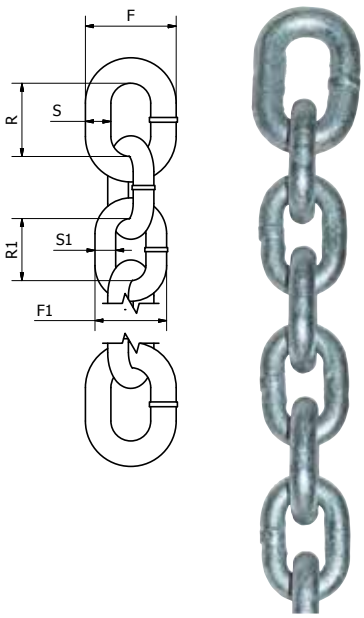
BEAVER GRADE 'L' ANCHOR CHAIN (GALVANISED)

Short Link – 110 metre lengths c/w enlarged link each end

Code	Chain Size (S1) mm	Chain (F1) mm	Chain (R1) mm	Endlink F	Endlink S	Endlink R	Finish	UOM	Length m	MWL Tonne
143313A	13	45	39	46	16	57	Galvanised	Length	110	2.1
143316A	16	55	47	58	20	69	Galvanised	Length	110	3.2

Metres per drum are subject to + or - 10% on actual metreage

NOT RECOMMENDED FOR LIFTING





BEAVER TRAILER SAFETY CHAIN

BEAVER TRAILER SAFETY CHAIN

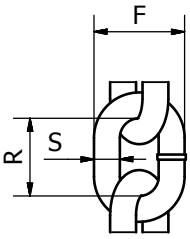
Beaver Trailer Safety Chain is designed in accordance with Australian/New Zealand AS/NZS 4177.4. It is manufactured for the use of coupling towed devices such as trailers. Refer to applicable state for rules & regulations.

- Available in Hot Dipped Galvanised and Self Colour Finishes

BEAVER - TRAILER SAFETY CHAIN – TO AS/NZS 4177.4

Self Colour and Galvanised High Tensile – Size 8 - 13mm For trailers up to 3500kg ATM

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
142008	1.60	8	7.6	43.5	31	Self Colour	Metre	93.4
142008G	1.60	8	7.6	43.5	31	Galvanised	Metre	91.1
142010	2.50	10	9.5	53.1	39	Self Colour	Metre	61.2
142010G	2.50	10	9.5	53.1	39	Galvanised	Metre	59.7
142013	3.50	13	12	51.7	44.5	Self Colour	Metre	29.3
142013G	3.50	13	12	51.7	44.5	Galvanised	Metre	34.6





Trailer Safety Chain is not suitable for lifting purposes.
Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING



BEAVER GRADE 50 STAINLESS STEEL LIFTING CHAIN

BEAVER GRADE 50 STAINLESS STEEL LIFTING CHAIN

Beaver Grade 50 Stainless Steel Lifting Chain is manufactured from Grade 316 stainless steel and is tested in accordance with Australian Standard AS 4797. It's high corrosive resistant properties make it ideal for lifting in environments such as water treatment plants, waste management and food processing.

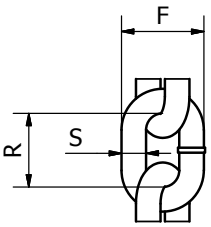
- Beaver Grade 50 Chain carries the mark "PWG5", stamped on every link along its entire length for easy identification

GRADE 50 STAINLESS STEEL LIFTING CHAIN G316 – TO AS 4797

Stainless Steel – Load Rated – Size 5 - 16mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
WOX5	0.50	5	5	16	17.5	Stainless Steel	Metre	178
WOX7	1.00	7	7	21	23.53	Stainless Steel	Metre	90
WOX10	2.00	10	10	30	33.5	Stainless Steel	Metre	45
WOX13	3.20	13	13	39	43.5	Stainless Steel	Metre	26

Metres per drum are subject to + or - 10% on actual metreage





BEAVER GRADE 70 TRANSPORT CHAIN

BEAVER GRADE 70 TRANSPORT CHAIN

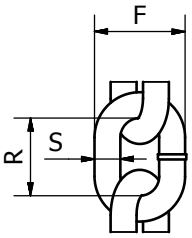
Beaver Transport Chain is manufactured from heat treated carbon steel, in accordance with Australian/New Zealand AS/NZS 4344 - Transport Chain and Components. Transport Chain is primarily used in lashing applications to tie down loads on transport equipment.

- The yellow zinc dichromate (gold) plating makes it easily recognizable even from a distance
- Beaver transport chain also carries the mark 4344 plus the chain capacity, stamped at intervals along its entire length
- Is NOT for lifting

BEAVER GRADE 70 TRANSPORT CHAIN – TO AS/NZS 4344

"Gold" High Tensile – Sizes 6 - 13mm

Code	Lashing Capacity Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
145006	2.30	6	6	18.5	20	Zinc Dichromate	Metre	125
145007	3.00	7	7	22	24	Zinc Dichromate	Metre	92
145008	3.80	8	8	24	28	Zinc Dichromate	Metre	70
145010	6.00	10	10	30	35	Zinc Dichromate	Metre	45
145013	9.00	13	13	39	45.5	Zinc Dichromate	Metre	26.8





Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

BEAVER GRADE 80 (T) LIFTING CHAIN – B-ALLOY

BEAVER GRADE 80 (T) LIFTING CHAIN

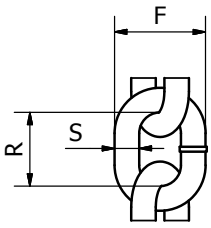
Beaver Grade 80 (T) Chain, manufactured from heat treated alloy steel and is ideal for heavy duty lifting applications. It meets Australian standards AS 2321, Short-Link Chain for Lifting Purposes. It is high strength, rugged, versatile and low-weight.

- Quality testing is done throughout the manufacturing process
- Beaver Grade 80 Chain also carries markings in accordance with Australian standards, stamped at intervals along its entire length for easy identification

GRADE T(80) ALLOY CHAIN – TO AS 2321

Load Rated – 6 - 32mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
148006	1.20	6	6	18	22.2	Self Colour	Metre	115
148007	1.60	7	7	21	25.9	Self Colour	Metre	90
148008	2.00	8	8	24	29.6	Self Colour	Metre	71
148010	3.20	10	10	30	37	Self Colour	Metre	45
148013	5.40	13	13	39	48.1	Self Colour	Metre	26
148016	8.20	16	16	48	59.2	Self Colour	Metre	17
148020	12.8	20	20	60	74	Self Colour	Metre	11
148022	16.00	22	22	66	81.4	Self Colour	Metre	9
148026	20.60	26	26	78	96.2	Self Colour	Metre	6
148032	31.50	32	32	96	118	Self Colour	Metre	4





Metres per drum are subject to + or - 10% on actual metreage

BEAVER GRADE 80 FISHING LINE CHAIN

BEAVER GRADE 80 FISHING LINE CHAIN

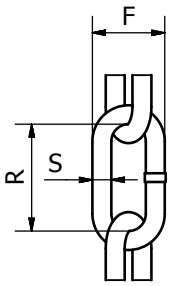
Beaver Grade 80 Fishing Line Chain is a long link chain for commercial fishing applications. It comes painted yellow for corrosive resistance and to improve visibility.

BEAVER ALLOY GRADE 80 FISHING LINE CHAIN (PAINTED YELLOW)

Long Link – Sizes 9 - 16mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R mm	F mm	Finish	UOM	Metres Per 100(kg)
130411	3.90	11	11	64	40	Yellow Paint	Metre	47.62

Metres per drum are subject to + or - 10% on actual metreage





NOT TO BE USED FOR LIFTING



BEAVER GRADE 100 LIFTING CHAIN

BEAVER GRADE 100 LIFTING CHAIN

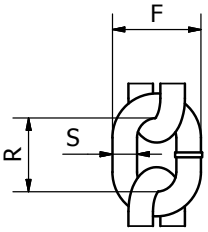
Beaver Grade 100 Lifting Chain is sourced entirely from Europe and the world's leading manufacturers. Our Grade 100 chain complies with European Standard EN 818-2 and is tested in accordance with Australian Standard AS 2321.

- It's rugged, versatile, high strength and low-weight
- Beaver – Grade 100 Chain carries markings '10' stamped along its entire length for easy identification
- Sizes available from 6 - 32mm

BEAVER – WINNER GRADE 100 LIFTING CHAIN – TO AS 2321

Load Rated – Sizes 6 - 32mm

Code	W.L.L Tonne	Nominal Size mm	S mm	R Pitch mm	F Outside Width mm	Finish	UOM	Metres Per 100(kg)
WIN6	1.40	6	6	18	21.6	Painted	Metre	104
WIN8	2.50	8	8	24	28.8	Painted	Metre	64
WIN10	4.00	10	10	30	36.0	Painted	Metre	40
WIN13	6.70	13	13	39	46.8	Painted	Metre	24
WIN16	10.00	16	16	48	57.6	Painted	Metre	15.9
WIN20	16.00	20	20	62	70.5	Painted	Metre	11.2
WIN22	19.00	22	22	66	79.2	Painted	Metre	8.2
WIN26	26.50	26	26	78	94.1	Painted	Metre	6.18
WIN32	40.00	32	32	96	107.0	Painted	Metre	4.15





Metres per drum are subject to + or - 10% on actual metreage

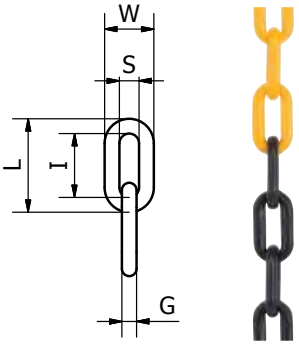
BEAVER HEAVY DUTY PLASTIC CHAIN

Beaver heavy duty plastic chain, is available in a range of colours to suit your application.

BEAVER LIGHT-WEIGHT LONG LINK PLASTIC CHAIN

Supplied in 50 metre spooled reels – Sizes 6mm only

Code	Size mm G	Size mm L	Size mm W	Size mm I	Size mm S	UOM	Colour
131006BY	6	38	20	26.8	8	Metre	Black/Yellow
131006RW	6	38	20	26.8	8	Metre	Red/White



NOT TO BE USED FOR LIFTING



BEAVER CALIBRATED LOAD CHAIN

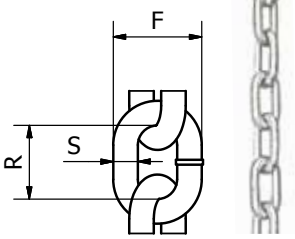
BEAVER CALIBRATED HAND CHAIN

Zinc – Size 5mm only / To suit Chain Block & Geared Girder Trolley

Code	Nominal Size mm	Finish	Size mm S	Size mm R	Size mm F	UOM	KG Per Metre
150005W	5	Zinc	5	23.5	18	Metre	0.5

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





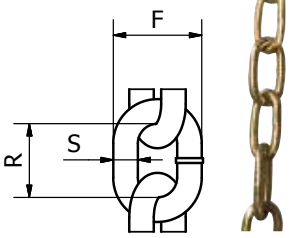
BEAVER CALIBRATED ROLLER DOOR CHAIN

Zinc Dichromate – Size 5mm only

Code	Nominal Size mm	Finish	Size mm S	Size mm R	Size mm F	UOM	KG Per Metre
149405	5	Zinc Dichromate	5	28.8	21.8	Metre	0.5

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING



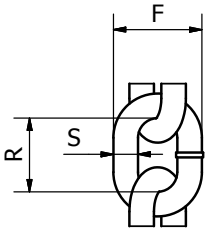


BEAVER CALIBRATED LOAD CHAIN - GRADE 80

To suit Beaver 3G Chain & Lever Blocks

Code	Dia x Inside Length mm	KG Per Metre	Finish	UOM
149005	5.0 x 15	0.6	Black	Metre
149006	6.0 x 18	0.8	Black	Metre
149007	7.0 x 21	1	Black	Metre
149008	8.0 x 24	1.42	Black	Metre
149010	10 x 30	2.2	Black	Metre

NOT TO BE USED FOR LIFTING









SECTION 2 / LIFTING CHAIN & COMPONENTS

CONTENTS

BEAVER GRADE 80 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 80 – SINGLE AND DOUBLE LEG CHAIN SLINGS

BEAVER GRADE 80(T) CHAIN

BEAVER GRADE 80 MASTER LINK

BEAVER GRADE 80 COMPONENT CONNECTORS

BEAVER GRADE 100 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 100 – SINGLE & DOUBLE LEG CHAIN SLINGS

MASTER LINKS & SETS FOR G100 ASSEMBLY SYSTEMS

B-ALLOY-V WELD-ON LIFTING AND LASHING RINGS

B-ALLOY-V BOLT-ON LIFTING AND LASHING LUG

BEAVER GRADE 50 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 50 STAINLESS STEEL – CHAIN SLINGS

Beaver's range of lifting chain and components has been engineered with safety and quality in mind.

Our renowned industry brands are sourced from the highest quality manufacturers as well as Beaver's own range of Grade 80 & Grade 100 lifting chain and components.

All products are made with the highest calibre of materials to ensure unparalleled quality. Our products are designed and tested to meet the requirements of the Australian Standards.

B-Alloy Grade T(80) Chain Slings TO AS 3775.2

CHAIN DIA.	SINGLE LEG SLINGS			SLINGS OF 2, 3 OR 4 LEGS				ENDLESS SLINGS	
mm	STRAIGHT SLING	ADJUSTABLE SLING	REEVED SLING	60°	90°	120°	60°	60°	REEVED SLING
	MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000KG								
6	1.1	0.8	0.8	1.9	1.6	1.1	1.5	1.5	1.7
7	1.5	1.1	1.1	2.6	2.1	1.5	2.0	2.0	2.3
8	2.0	1.5	1.5	3.5	2.8	2.0	2.6	2.6	3.0
10	3.2	2.4	2.4	5.5	4.5	3.2	4.1	4.1	4.8
13	5.3	4.0	4.0	9.2	7.5	5.3	6.9	6.9	8.0
16	8.0	6.0	6.0	13.8	11.3	8.0	10.4	10.4	12.0
20	12.5	9.4	9.4	21.6	17.6	12.5	16.3	16.3	18.8
22	15.0	11.3	11.3	26.0	21.2	15.0	19.5	19.5	22.5
26	21.2	15.9	15.9	36.7	29.9	21.2	27.6	27.6	31.8
32	31.5	23.6	23.6	54.5	44.4	31.5	41.0	41.0	47.3

BEAVER ALLOY GRADE T(80) CHAIN SLINGS Care and Usage Instructions

BEAVER ALLOY GRADE T(80) CHAIN SLINGS SHOULD ONLY BE USED BY A COMPETENT PERSON

Maximum Working Load Limit in Tonnes of 1000kg, under general conditions of use.

- DO NOT EXCEED WORKING LOAD LIMIT
- DO NOT EXCEED 120°
- WLL at 60° must never be exceeded, even at smaller angles.
- WLL at other angles - apply the next greater angle and relevant load factor.

Extreme care should be taken when using the Beaver Grade T(80) Chain Slings in high temperature environments. It is therefore our instruction that the user must always err on the side of caution and make ample provisions for reduced Working Load Limits.

The following are our instructions:

ACIDIC CONDITIONS

Beaver Alloy Grade T(80) slings shall not be used in acidic solutions or in any other corrosive environment.

TEMPERATURE CONDITIONS

-10°C up to 200° C No reduction in WLL
200°C up to 300°C Reduce WLL by 10%
300°C up to 400°C Reduce WLL by 25%
Do not use above 400°C

GALVANISING

Beaver alloy chains and fittings should not be hot-dip galvanised or electro-plated, except by Beaver. Galvanised slings must always have the Working Load Limits reduced by 20%.

The WLL of a sling must not exceed the lowest working load limit of the components

Grade 100 & Grade 120 Chain Slings

GRADE 100 GRADE 120

CHAIN DIA.	SINGLE LEG SLINGS			SLINGS OF 2, 3 OR 4 LEGS				ENDLESS SLINGS	
mm	STRAIGHT SLING	ADJUSTABLE SLING	REEVED SLING	60°	90°	120°	60°	60°	REEVED SLING
	MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000KG								
WIN 6	1.40	1.40	1.00	2.40	2.00	1.40	1.80	1.80	2.10
WIN 8	2.50	2.50	1.90	4.30	3.55	2.50	3.25	3.25	3.75
WINPRO 8	3.00	3.00	2.35	5.20	4.20	3.00	3.90	3.90	4.50
WIN 10	4.00	4.00	3.00	6.90	5.60	4.00	5.20	5.20	6.00
WINPRO 10	5.00	5.00	4.00	8.60	7.00	5.00	6.50	6.50	7.50
WIN 13	6.70	6.70	5.00	11.60	9.50	6.70	8.70	8.70	10.00
WINPRO 13	8.00	8.00	6.30	13.80	11.30	8.00	10.40	10.40	12.00
WIN 16	10.00	10.00	7.50	17.30	14.10	10.00	13.00	13.00	15.00
WIN 20	16.00	16.00	12.00	27.70	22.56	16.00	20.80	20.80	24.00
WIN 22	19.00	19.00	14.20	32.90	26.50	19.00	24.70	24.70	28.50
WIN 26	26.50	26.50	19.80	45.80	37.30	26.50	34.40	34.40	39.70
WIN 32	40.00	40.00	30.00	69.20	56.40	40.00	52.00	52.00	60.00

The load capacity listed are maximum values of various sling types, stated according to the standard (uniform load) method of rating similar to AS 3775.2

GRADE 100 & 120 CHAIN SLINGS SHOULD ONLY BE USED BY A COMPETENT PERSON.

Maximum Working Load Limit in Tonnes of 1000kg, under general conditions of use.

- DO NOT EXCEED WORKING LOAD LIMIT
- DO NOT EXCEED 120°
- WLL at other angles - apply the next greater angle and relevant load factor.

⚠ SAFETY WARNING OF HAZARDOUS CONDITIONS:

Extreme care should be taken when using the Beaver Grade 100 & 120 Chain and fittings in high temperature environments. It is therefore our instruction that the user must always err on the side of caution and NEVER EXCEED 200°C

* If the grab hook comes with suitable wing, no reduction factor is required, otherwise WLL should be reduced by 25%

Grade 50 Stainless Steel Chain Slings TO AS 4797

CHAIN DIA.	SINGLE LEG SLINGS		SLINGS OF 2, 3 OR 4 LEGS				ENDLESS SLINGS	
	STRAIGHT SLING	REEVED SLING	STRAIGHT SLING			REEVED SLING	BASKET SLING	REEVED SLING
mm			60°	90°	120°	60°	60°	
MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000kg								
5	0.50	0.40	0.85	0.70	0.5	0.85	0.68	0.80
7	1.00	0.80	1.70	1.40	1.0	1.70	1.36	1.60
10	2.00	1.60	3.40	2.80	2.0	3.40	2.72	3.20
13	3.20	2.56	5.44	4.48	3.2	5.44	4.35	5.12
16	5.00*	4.00	8.50*	7.00*	5.0*	8.50*	6.80	8.00

*10% Reduction with HSK16

Grade 50 chain slings should only be used a competent person.
Maximum Working Load Limit in tonnes of 1000kg, under general conditions of use.

- Do not exceed Working Load Limit
- Do not exceed 120º
- WLL at other angles – apply the next greater angle and relevant load factor
- Never exceed 200ºC





G80(T) LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 80 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 80 (T) LIFTING CHAIN

Beaver Grade 80 (T) Chain is manufactured from heat treated alloy steel and is ideal for heavy duty lifting applications. It meets Australian standard AS 2321, Short-Link Chain for Lifting Purposes and is high strength, rugged, versatile and low-weight.

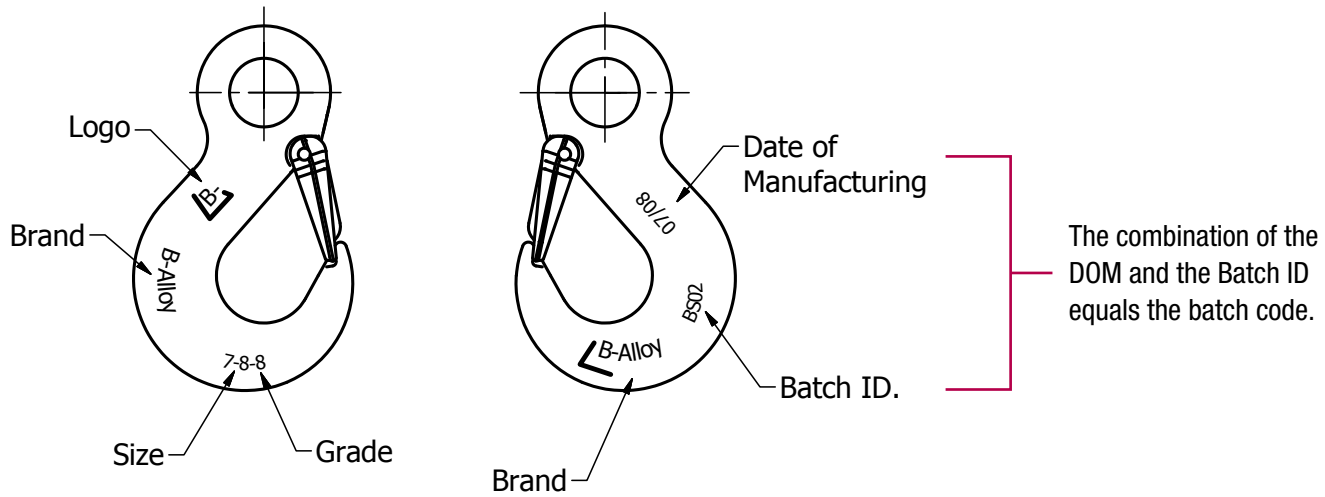
- Quality testing is done throughout the manufacturing process
- Beaver Grade 80 Chain also carries the marks “BN-8” or “BSN-8” stamped at intervals along its entire length for traceability

BEAVER GRADE 80 COMPONENTS

Beaver Grade 80 Lifting Components are manufactured from heat treated alloy steel and are ideal for heavy duty lifting applications. They meet Australian standard AS 3776, Lifting Components for Grade T Chain Slings.

- Quality testing is undertaken throughout the manufacturing process
- Beaver Grade 80 Components also carry distinguishing marks – see below image 1.1

IMAGE 1.1 GRADE 80 COMPONENT MARKINGS



BEAVER GRADE 80 – SINGLE AND DOUBLE LEG CHAIN SLINGS

BEAVER GRADE 80 SINGLE LEG SLING WITH CLEVIS SLING HOOK

c/w Safety Latch & Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL No Deration (kg)
CSA07117525	7	1	1500
CSA07127525	7	2	1500
CSA07137525	7	3	1500
CSA08117525	8	1	2000
CSA08127525	8	2	2000
CSA08137525	8	3	2000
CSA10117525	10	1	3200
CSA10127525	10	2	3200
CSA10137525	10	3	3200



BEAVER GRADE 80 DOUBLE LEG SLING WITH CLEVIS SLING HOOK

c/w Safety Latch & 2 Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL @ 60° No Deration (kg)
CSA07217525	7	1	2600
CSA07227525	7	2	2600
CSA07237525	7	3	2600
CSA08217525	8	1	3500
CSA08227525	8	2	3500
CSA08237525	8	3	3500
CSA08247525	8	4	3500
CSA08267525	8	6	3500
CSA10217525	10	1	5500
CSA10227525	10	2	5500
CSA10237525	10	3	5500
CSA10247525	10	4	5500
CSA10267525	10	6	5500
CSA13217525	13	1	9200
CSA13227525	13	2	9200
CSA13237525	13	3	9200
CSA13247525	13	4	9200



BEAVER GRADE 80 SINGLE LEG SLING WITH CLEVIS SELF LOCKING HOOK

c/w Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL No Deration (kg)
CSA07117545	7	1	1500
CSA07127545	7	2	1500
CSA07137545	7	3	1500
CSA08117545	8	1	2000
CSA08127545	8	2	2000
CSA08137545	8	3	2000
CSA10117545	10	1	3200
CSA10127545	10	2	3200
CSA10137545	10	3	3200



BEAVER GRADE 80 DOUBLE LEG SLING WITH CLEVIS SELF LOCKING HOOK

c/w 2 Shortening Grab Hook– AS 3775.1

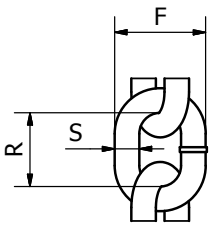
Code	Chain Size mm	Effective Length mtr	WLL @ 60° No Deration (kg)
CSA07217545	7	1	2600
CSA07227545	7	2	2600
CSA07237545	7	3	2600
CSA08217545	8	1	3500
CSA08227545	8	2	3500
CSA08237545	8	3	3500
CSA08247545	8	4	3500
CSA08267545	8	6	3500
CSA10217545	10	1	5500
CSA10227545	10	2	5500
CSA10237545	10	3	5500
CSA10247545	10	4	5500
CSA10267545	10	6	5500
CSA13217545	13	1	9200
CSA13227545	13	2	9200
CSA13237545	13	3	9200
CSA13247545	13	4	9200



BEAVER GRADE 80 (T) CHAIN

GRADE T(80) ALLOY CHAIN TO AS 2321

Code	Size mm	S mm	R mm	F mm	WLL tonnes	UOM	Metres Per 100kg
148006	6	6	18	22.2	1.2	Metre	115
148007	7	7	21	25.9	1.6	Metre	90
148008	8	8	24	29.6	2	Metre	71
148010	10	10	30	37	3.2	Metre	45
148013	13	13	39	48.1	5.4	Metre	26
148016	16	16	48	59.2	8.2	Metre	17
148020	20	20	60	74	12.8	Metre	11
148022	22	22	66	81.4	16	Metre	9
148026	26	26	78	96.2	20.6	Metre	6
148032	32	32	96	118	32.8	Metre	4



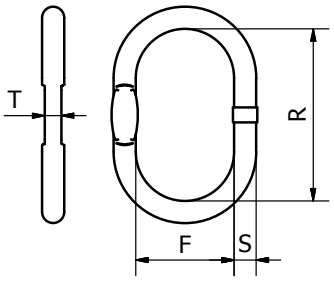


BEAVER GRADE 80 MASTER LINK

BEAVER GRADE 80 RECESSED ENLARGED MASTER OBLONG LINK

Code	Chain Size mm 1 Leg	Chain Size mm 2 Leg	WLL (kg)	S mm	R mm	F mm	T mm	Approx Weight (kg)	UOM	Pack Qty
883508A	8	7	2700	15.5	120	70	7	0.44	Each	60
883510A	10	8	3500	18	140	80	7	0.67	Each	25
883513A	13	10	5500	22.5	160	95	11	1.52	Each	16
883516A	16	13	9400	29	190	110	13	2.65	Each	8
883520A	20	16	14200	35	230	130	16	4.48	Each	6
883522A	22	20	22300	42	275	150	22	7.49	Each	3
883526A	26	22	33500	50	340	180	28	12.83	Each	2
883532A	32	26	40800	55	350	190	30	16.56	Each	1
883536A	36	32	56800	62	400	200	36	31.02	Each	1

Designed for Single & 2 Leg Applications



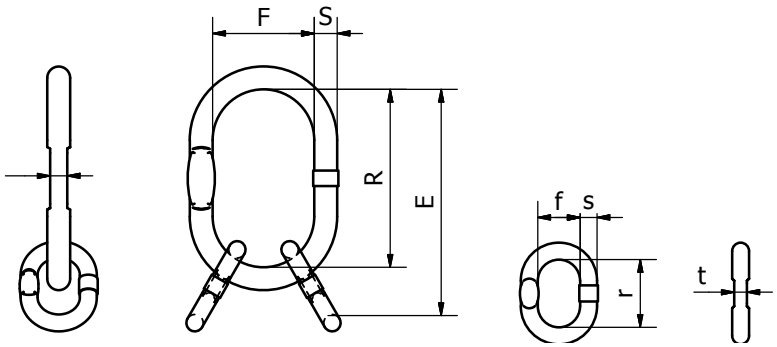


BEAVER GRADE 80 MASTER LINK (CONT'D)

BEAVER GRADE 80 RECESSED ENLARGED MULTI-LEG MASTER OBLONG LINK

Code	Chain Size mm	WLL @60° (kg)	S mm	R mm	F mm	E mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
883707	7	3150	19	135	75	195	13	60	38	8	1.35	Each	1
883708	8	4250	23	160	90	230	16	70	34	8	2.32	Each	1
883710	10	6700	27	180	100	265	18	85	40	11.5	3.58	Each	1
883713	13	11200	33	200	110	315	23	115	50	14	6.57	Each	1
883716	16	17000	36	260	140	400	27	140	65	18	10.3	Each	1
883720	19-20	26500	45	340	180	490	33	150	70	-	19.3	Each	1
883722	22	31500	50	350	190	520	36	170	75	-	25.1	Each	1
883726	26	45000	56	400	200	570	40	170	80	-	34.3	Each	1
883732	32	56800	70	460	250	660	50	200	100	-	64	Each	1

Designed for 2, 3, 4 Leg Applications

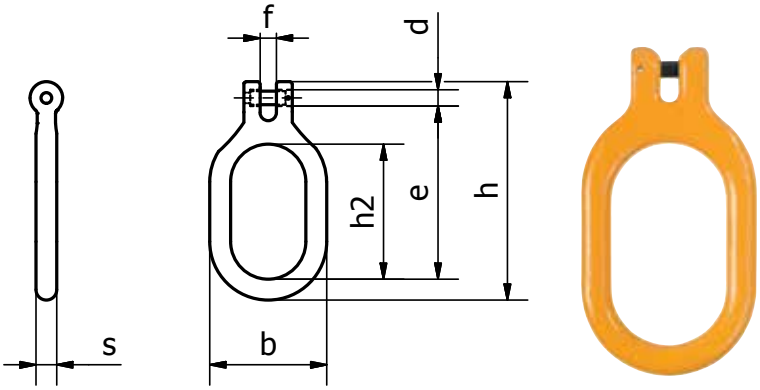




BEAVER GRADE 80 MASTER LINK (CONT'D)

BEAVER GRADE 80 CLEVIS SINGLE MASTER LINK

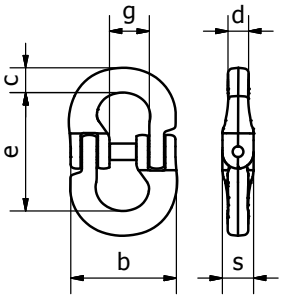
Code	Chain Size mm	WLL (kg)	e mm	b mm	h mm	h2 mm	d mm	f mm	s mm	Approx Weight (kg)	UOM	Pack Qty
882007	7-8	2000	138	92	163.7	105	9.7	9	16	0.7	Each	1
882010	10	3200	167	111	197	128	12	12	18	1.2	Each	1
882013	13	5300	203	134	241	150	16	15	22	2.3	Each	1
882016	16	8000	230	152	276	165	20	18	26	3.8	Each	1



BEAVER GRADE 80 COMPONENT CONNECTORS

BEAVER GRADE 80 COMPONENT CONNECTOR

Code	Chain Size mm	WLL (kg)	b mm	c mm	e mm	g mm	d mm	s mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin and Stud Kit
C6	6	1100	40	7	45	18	7.7	10.5	0.07	Each	20	894206BA
C7-8	7-8	2000	49.5	10.2	57	19	9.3	15.2	0.15	Each	20	894208BA
C10	10	3200	63	12	73	27	12.9	17.2	0.35	Each	30	894210BA
C13	13	5300	82	16	88	34	16.8	22.7	0.68	Each	20	894213BA
C16	16	8000	105	19	103	39	20.6	28	1.1	Each	12	894216BA
C20	20	12500	122	23.5	116	47	25.8	34.8	2.2	Each	8	894220BA
C22	22	15000	135	26.5	133	55	28.3	35.5	2.72	Each	6	894222BA
C26	26	21200	163	31.5	148	60	33.4	42	5.05	Each	4	894226BA
C32	32	31500	206	38	183	79	40.8	51	10.02	Each	2	894232BA



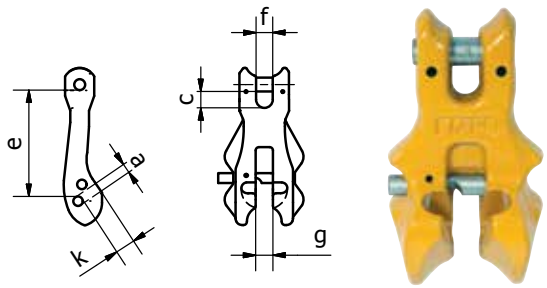


BEAVER GRADE 80 COMPONENT CONNECTORS

BEAVER GRADE 80 CLEVIS CLUTCH – LOCKING TYPE

Code	Chain Size mm	WLL (kg)	c mm	f mm	g mm	e mm	a mm	k mm	Approx Weight (kg)	UOM	Pack Qty
884510SY	10	3150	12	12	12	66	12	28	0.9	Each	1
884513SY	13	5300	16	15	15	88	16	39	2.1	Each	1
884516SY	16	8000	19	21	18	103	19	48	3.7	Each	1

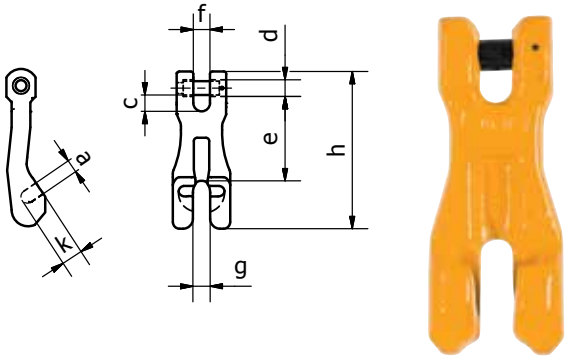
No Deration



GRADE 80 CLEVIS SHORTENING CLUTCH

Code	Chain Size mm	WLL (kg)	c mm	f mm	d mm	g mm	e mm	h mm	a mm	k mm	Approx Weight (kg)	UOM	Pack Qty
884507	7-8	2000	10	9	9	8	50	99	9	12	0.4	Each	1
884510	10	3200	14	12	13	12	74	135	12	25	0.9	Each	1
884513	13	5400	17	17	16	16	82	175	16	30	2.1	Each	1

No Deration

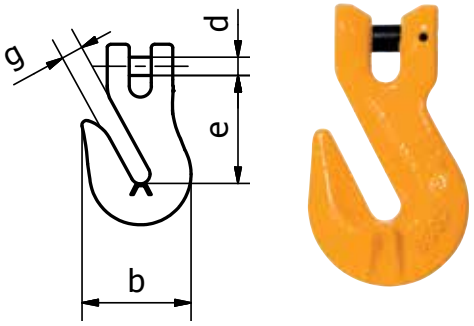


BEAVER GRADE 80 COMPONENT CONNECTORS (CONT'D)

BEAVER GRADE 80 CLEVIS SHORTENING GRAB HOOK

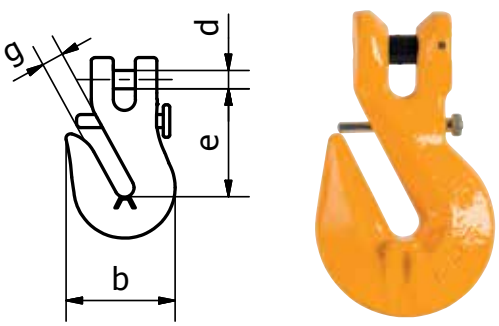
Code	Chain Size mm	WLL (kg)	e mm	b mm	d mm	g mm	Approx Weight (kg)	UOM	Pack Qty
886206	6	1100	45	45.7	7.6	8.3	0.25	Each	80
886207	7-8	2000	53.3	50	9	10.5	0.28	Each	55
886210	10	3200	75.5	72	12.5	10.5	0.73	Each	25
886213	13	5300	92	96	16	16.5	1.6	Each	12
886216	16	8000	99	112.5	19.7	19	2.8	Each	8
886220	20	12500	122.7	143	24	24	4	Each	4
886222	22	15000	126	143.5	26	27	72	Each	3

No Deration

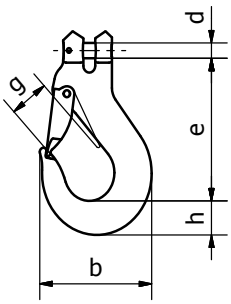


BEAVER GRADE 80 CLEVIS SHORTENING GRAB HOOK C/W SAFETY PIN

Code	Chain Size mm	WLL (kg)	e mm	b mm	d mm	g mm	Approx Weight (kg)	UOM	Pack Qty
886213S	13	5300	90	120	16	15	1.75	Each	1
886216S	16	8000	105	130	20	19	2.8	Each	1



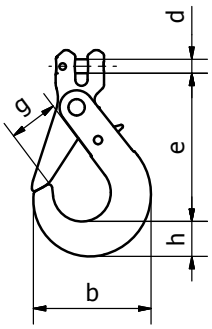
BEAVER GRADE 80 CLEVIS SLING HOOK WITH SAFETY LATCH





Code	Chain Size mm	WLL (kg)	e mm	d mm	h mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
885106	6	1100	76.4	7.8	20	77.4	24	0.23	Each	50	895106BA
885107	7-8	2000	86	9.3	25	85	27	0.48	Each	30	895107BA
885110	10	3200	104	13	31	103	33.5	0.95	Each	18	895110BA
885113	13	5300	127.8	16.4	42.5	127.5	40	1.85	Each	10	895113BA
885116	16	8000	148	21.3	54	161	51	3.94	Each	5	895116BA
885120	20	12500	179	24.3	58	188	59	6.36	Each	2	895120BA
885122	22	15000	215	26.3	60.4	229	79	10.4	Each	2	895122BA

BEAVER GRADE 80 CLEVIS SELF LOCKING SAFETY HOOK



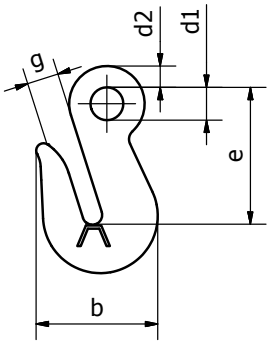


Code	Chain Size mm	WLL (kg)	e mm	d mm	h mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
886406Y	6	1100	98	8	22	75	28	0.57	Each	35	896506
886407Y	7-8	2000	120	10	25	86	33	0.91	Each	25	896508
886410Y	10	3200	150	12.5	34	111	45	1.675	Each	12	896510
886413Y	13	5300	185	16	40	136	52	3.33	Each	6	896513
886416Y	16	8000	215	20	53	173	64	6	Each	4	896516
886420Y	20	12500	235	24	64	200	77	8.6	Each	3	896520
886422Y	22	15000	255	28	74	229	92	14.7	Each	1	896522
886426Y	26	21200	316	34	85	256	97	23.5	Each	1	896526

BEAVER GRADE 80 COMPONENT CONNECTORS (CONT'D)

BEAVER GRADE 80 EYE SHORTENING GRAB HOOK

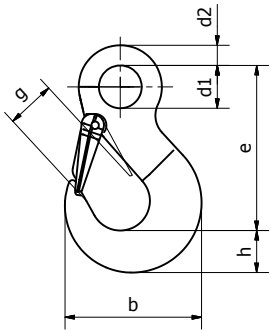
Code	Chain Size mm	WLL (kg)	e mm	b mm	d1 mm	d2 mm	g mm	Approx Weight (kg)	UOM	Pack Qty
885306	6	1100	51	45.8	13.5	8	8.3	0.14	Each	100
885307	7-8	2000	61.7	51	18	9.5	10.8	0.35	Each	80
885310	10	3200	80	70	20.5	13	13.5	0.65	Each	30
885313	13	5300	99.7	89.7	26	15.5	16.5	1.39	Each	15
885316	16	8000	105.5	113	30.5	19	20	2.1	Each	8
885320	20	12500	140.7	143	37.5	23	25	4	Each	5
885322	22	15000	165	160.5	44	26	28	6.36	Each	3
885326	26	21200	188.5	181.3	44	34	30	9.6	Each	2
885332	32	31500	230	223	57	40	38	19.4	Each	1





BEAVER GRADE 80 EYE SLING HOOK WITH SAFETY LATCH

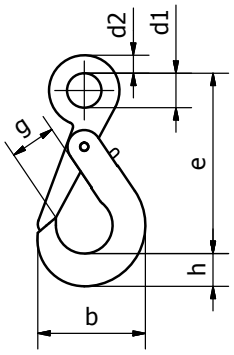
Code	Chain Size mm	WLL (kg)	e mm	b mm	h mm	d1 mm	d2 mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
885806	6	1100	75	71.3	19	20	10	23.5	0.244	Each	50	895806BA
885807	7-8	2000	111	82	23	23	11	30	0.4	Each	30	895807BA
885810	10	3200	120	109.5	31	38	15	34	0.9	Each	18	895810BA
885813	13	5300	152	146.5	44.5	43	19	39	2.35	Each	10	895813BA
885816	16	8000	184	154	44	50	23	49	3.2	Each	5	895816BA
885820	20	12500	219	198	58.5	62	24	48	5.8	Each	3	895820BA
885822	22	15000	271	259	75.5	62	32	71	8.5	Each	2	895822BA
885826	26	21200	279	262.8	80.5	64	35	81	13	Each	1	895826BA
885832	32	31500	373	355	88	88	37	102	17	Each	1	895832BA





BEAVER GRADE 80 EYE SELF LOCKING SAFETY HOOK

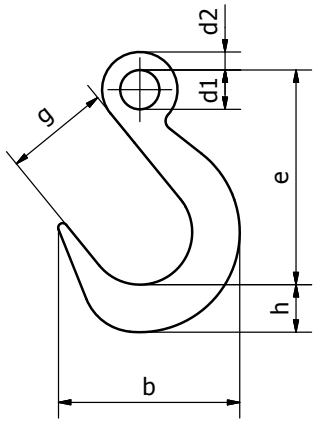
Code	Chain Size mm	WLL (kg)	e mm	d1 mm	d2 mm	h mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
885706Y	6	1100	107	22	11	22	75	28	0.5	Each	35	896506
885707Y	7-8	2000	133	24	11	25	86	33	0.84	Each	25	896508
885710Y	10	3200	167	32	15.5	34	111	45	1.575	Each	12	896510
885713Y	13	5300	208	39	20.5	40	136	52	3.12	Each	6	896513
885716Y	16	8000	254	49	24.5	53	173	64	5.875	Each	4	896516
885720Y	20	12500	272	59	27.5	64	200	77	8.5	Each	3	896520
885722Y	22	15000	310	70	35	74	229	92	14.3	Each	1	896522
885726Y	26	21200	363	80	34	75	242.8	99	18	Each	1	885726YK
885732Y	32	31500	472	105	45	97	334	147	44.5	Each	1	885732YK





BEAVER GRADE 80 EYE FOUNDRY HOOK

Code	Chain Size mm	WLL (kg)	e mm	d1 mm	d2 mm	h mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty
885607	7-8	2000	121.7	18	12	31.2	120.8	63	1.09	Each	12
885610	10	3200	147.5	22	16	36.5	146	76	1.95	Each	8
885613	13	5300	175.6	27	19	44.5	171	89	3.22	Each	5
885616	16	8000	205	32	20	52	198	102	5.26	Each	3
885620	20	12500	232	38	25.4	65	232	114.5	9.07	Each	2
885622	22	15000	263	45	28.7	69	256	127.5	11.79	Each	1



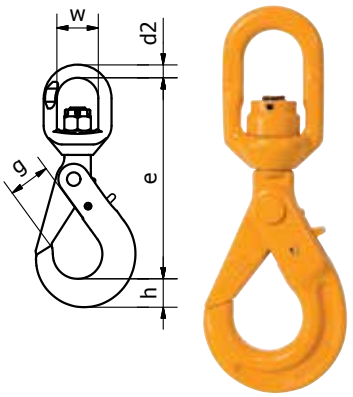


BEAVER GRADE 80 COMPONENT CONNECTORS (CONT'D)

BEAVER GRADE 80 EYE SWIVEL SELF LOCKING SAFETY HOOK C/W BALL BEARING

(Swivels under load)

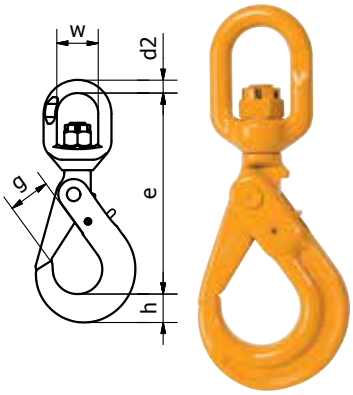
Code	Chain Size mm	WLL (kg)	e mm	d2 mm	h mm	g mm	w mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
886606	6	1100	163.3	11.5	19	27	32.5	0.71	Each	25	896606
886607	7-8	2000	195	13	26	35	36	1.1	Each	18	896607
886610	10	3200	237	15.5	30	44	42	2	Each	10	896610
886613	13	5300	282	17	27	53	50	4	Each	4	896613
886616	16	8000	341.5	21.5	48	60	61	7.3	Each	2	896616
886620	20	12500	399.5	26.5	61	87	76	11.6	Each	1	896620



BEAVER GRADE 80 EYE SWIVEL SELF LOCKING SAFETY HOOK

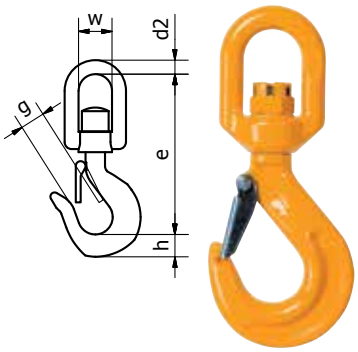
(Doesn't swivel under load)

Code	Chain Size mm	WLL (kg)	e mm	d2 mm	h mm	g mm	w mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
886507	7-8	2000	189	14	25	33	34	1.2	Each	15	896508
886510	10	3200	229	16	34	45	42	2.23	Each	8	896510
886513	13	5300	285	22	40	52	52	4.27	Each	6	896513
886516	16	8000	335	23	53	67	60	7.75	Each	3	896516
886520	20	12500	375	27	64	77	74	11.9	Each	2	896520



GRADE 80 EYE SWIVEL HOOK WITH SAFETY LATCH

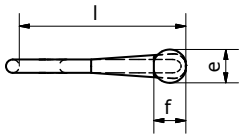
Code	Chain Size mm	WLL (kg)	e mm	d2 mm	h mm	g mm	w mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
885407	7-8	2000	164	14	28	25	34	0.93	Each	15	895407
885410	10	3200	187	16	36	29	42	1.75	Each	8	895410
885413	13	5300	245	20	45	40	52	3.4	Each	7	895413
885416	16	8000	286	23	48	47	60	6.025	Each	4	895416

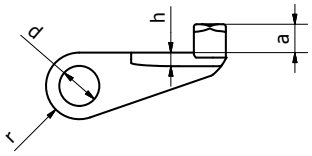


BEAVER GRADE 80 EYE CONTAINER HOOK

Code	Dsc.	WLL (kg)	a mm	r mm	d mm	h mm	f mm	e mm	l mm	Approx Weight (kg)	UOM	Pack Qty
886845L	Left 45°	12500	46	60	70	25	75	48	240	4	Each	2
886845R	Right 45°	12500	46	60	70	25	75	48	240	4	Each	2

Approved for container lifting as part of an assembly



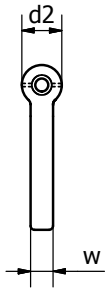


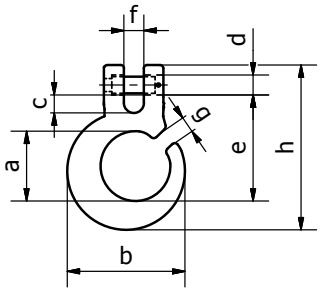


BEAVER GRADE 80 CLEVIS CHOKER HOOK

Code	Chain Size mm	WLL (kg)	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	d2 mm	w mm	Approx Weight (kg)	UOM	Pack Qty
888807	7-8	2000	35.5	73	12.5	9.2	59.5	9.5	9.8	95.5	20	18	0.4	Each	40
888810	10	3200	45	98	16	12	80.5	13	13	137	24	22	0.9	Each	20
888813	13	5300	53.5	119	14	16	95	16	16	165	30	30	1.75	Each	10

No Deration



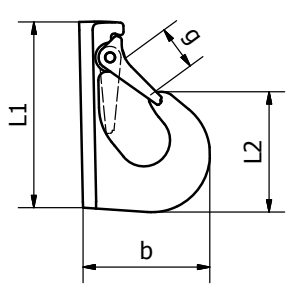




BEAVER GRADE 80 COMPONENT CONNECTORS (CONT'D)

BEAVER GRADE 80 WELD-ON SAFETY EXCAVATOR HOOK

Code	WLL (kg)	b mm	g mm	L1 mm	L2 mm	w mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
886701A	1000	53	18	87	55	20	0.35	Each	30	896701
886703A	3000	106	30.5	129	86	36	1.2	Each	15	896703
886705A	5000	133	34	171	118.5	43.5	2.46	Each	8	896705
886708	8000	136.5	34	177	118.5	51	3.26	Each	6	896708
886710	10000	169.5	51	223	154	53	5.17	Each	4	896710



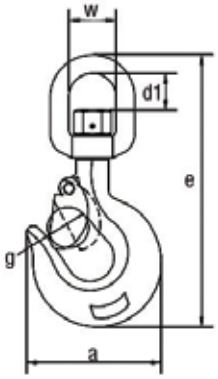




BEAVER GRADE M COMPONENT CONNECTOR

BEAVER GRADE M GENERAL PURPOSE ALLOY SWIVEL HOOK WITH LATCH

Code	WLL (kg)	a mm	d1 mm	e mm	g mm	w mm	Approx Weight (kg)	UOM	Pack Qty
263920	2000	53	18	87	55	20	1.33	Each	30







GRADE 100 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 100 LIFTING CHAIN AND COMPONENTS

BEAVER GRADE 100 LIFTING CHAIN

Beaver Grade 100 Lifting Chain is sourced from manufacturers around the world.

Our Grade 100 chain is tested in accordance with Australian Standard AS 2321.

- Its rugged, versatile, high strength and low-weight
- Beaver-Grade 100 Chain carries the mark “10” stamped on every link along its entire length for easy identification
- Sizes available from 6-32mm

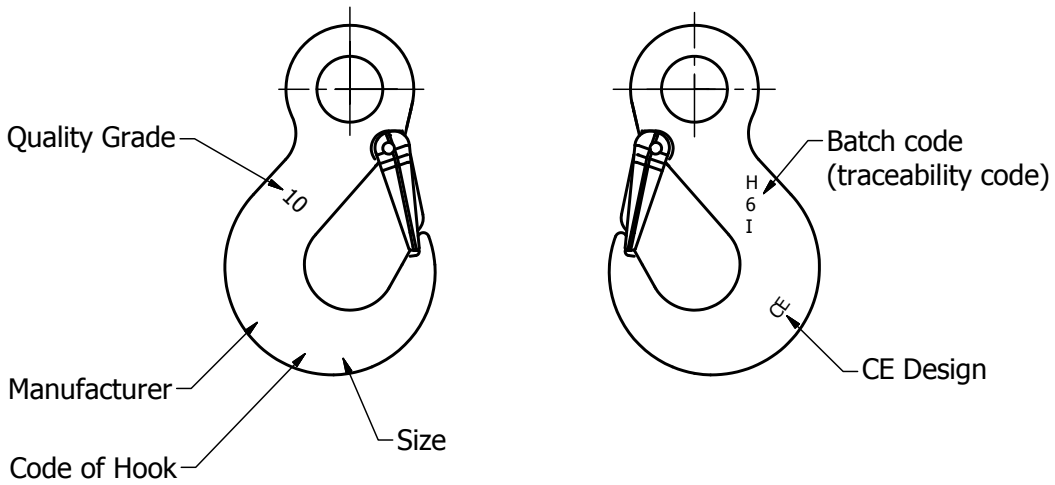
BEAVER GRADE 100 LIFTING COMPONENTS

Beaver Grade 100 Lifting Components are sourced from manufacturers around the world.

Our Grade 100 components are tested in accordance with Australian Standard AS 2321.

- Beaver-Grade 100 easy identification – please see drawing 2.1
  - Sizes available 6mm-32mm

DRAWING 2.1 GRADE 100 COMPONENT MARKINGS





BEAVER GRADE 100 – SINGLE AND DOUBLE LEG CHAIN SLINGS

BEAVER GRADE 100 SINGLE LEG SLING WITH CLEVIS SLING HOOK

c/w Safety Latch & Shortening Grab Hook– AS 3775.1

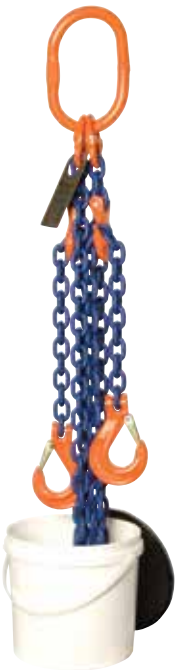
Code	Chain Size mm	Effective Length mtr	WLL No Deration (kg)
G1-CSA08117525	8	1	2500
G1-CSA08127525	8	2	2500
G1-CSA08137525	8	3	2500
G1-CSA10117525	10	1	4000
G1-CSA10127525	10	2	4000
G1-CSA10137525	10	3	4000



BEAVER GRADE 100 DOUBLE LEG SLING WITH CLEVIS SLING HOOK

c/w Safety Latch & 2 Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL @ 60° No Deration (kg)
G1-CSA08217525	8	1	4300
G1-CSA08227525	8	2	4300
G1-CSA08237525	8	3	4300
G1-CSA08247525	8	4	4300
G1-CSA08267525	8	6	4300
G1-CSA10217525	10	1	6900
G1-CSA10227525	10	2	6900
G1-CSA10237525	10	3	6900
G1-CSA10247525	10	4	6900
G1-CSA10267525	10	6	6900
G1-CSA13217525	13	1	11600
G1-CSA13227525	13	2	11600
G1-CSA13237525	13	3	11600
G1-CSA13247525	13	4	11600



BEAVER GRADE 100 SINGLE LEG SLING WITH CLEVIS SELF LOCKING HOOK

c/w Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL No Deration (kg)
G1-CSA08117545	8	1	2500
G1-CSA08127545	8	2	2500
G1-CSA08137545	8	3	2500
G1-CSA10117545	10	1	4000
G1-CSA10127545	10	2	4000
G1-CSA10137545	10	3	4000



BEAVER GRADE 100 DOUBLE LEG SLING WITH CLEVIS SELF LOCKING HOOK

c/w 2 Shortening Grab Hook– AS 3775.1

Code	Chain Size mm	Effective Length mtr	WLL @ 60° No Deration (kg)
G1-CSA08217545	8	1	4300
G1-CSA08227545	8	2	4300
G1-CSA08237545	8	3	4300
G1-CSA08247545	8	4	4300
G1-CSA08267545	8	6	4300
G1-CSA10217545	10	1	6900
G1-CSA10227545	10	2	6900
G1-CSA10237545	10	3	6900
G1-CSA10247545	10	4	6900
G1-CSA10267545	10	6	6900
G1-CSA13217545	13	1	11600
G1-CSA13227545	13	2	11600
G1-CSA13237545	13	3	11600
G1-CSA13247545	13	4	11600

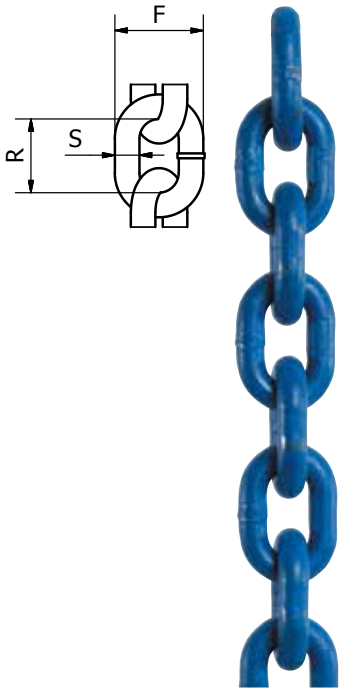


MASTER LINKS AND SETS FOR G100 ASSEMBLY SYSTEMS

BEAVER – LIFTING CHAIN – GRADE 100 AS 2321

Code	WLL (kg)	Size mm	S mm	R Pitch mm	F Outside Width mm	Weight kg/m	Finish	UOM	Metres Per 100kg	Metres Per 500kg Drum
WIN6	1400	6	6	18	21.6	0.96	Painted	Metre	104	520
WIN8	2500	8	8	24	28.8	1.57	Painted	Metre	64	320
WIN10	4000	10	10	30	36.0	2.46	Painted	Metre	40	200
WIN13	6700	13	13	39	46.8	4.18	Painted	Metre	24	120
WIN16	10000	16	16	48	57.6	6.28	Painted	Metre	15.9	79.5
WIN20	16000	20	20	62	70.5	8.90	Painted	Metre	11.2	56
WIN22	19000	22	22	66	79.2	11.88	Painted	Metre	8.2	41
WIN26	26500	26	26	78	94.1	16.18	Painted	Metre	6.18	30.9
WIN32	40000	32	32	96	107.0	24.10	Painted	Metre	4.15	20.75

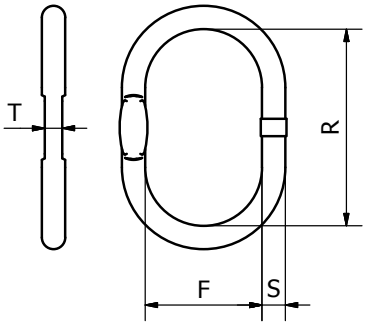
Designed for Single, 2, 3 & 4 Leg Applications



BEAVER – LARGE MASTER LINK – GRADE 100

Code	Chain Size mm 1 Leg	Chain Size mm 2 Leg	WLL (kg)	S mm	R mm	F mm	T mm	Approx Weight (kg)	UOM	Pack Qty
MW10	5	5	1730	11	90	65	10	0.22	Each	25
MW13	6.7	7	2400	14	120	70	10	0.44	Each	16
MW16	8	7	3300	16	140	80	13	0.67	Each	8
MW18	10	8	4300	19	160	95	14	1.09	Each	6
MW22	13	10	6900	23	160	110	17	1.69	Each	3
MW26	16	13	11600	27	190	110	20	2.65	Each	2
MW32	20	16	17300	33	230	130	26	4.78	Each	1
MW36	22	20	27700	38	275	150	29	7.48	Each	1
MW56	32	26	45800	56	350	250	-	21.98	Each	1

Designed for Single & 2 Leg Applications

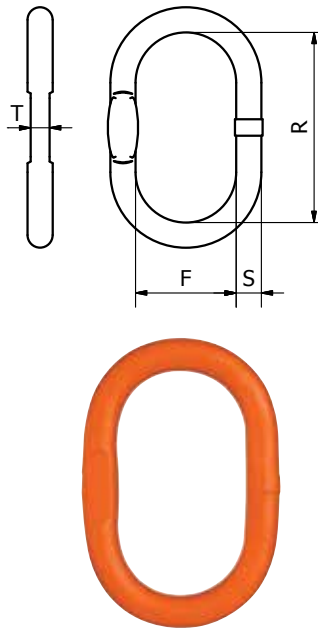




BEAVER – AW MASTER LINK – GRADE 100

Code	Chain Size mm 1 Leg	2 Leg	WLL (kg)	S mm	R mm	F mm	T mm	Approx Weight (kg)	UOM	Pack Qty
AW16	8	7	3500	16	110	60	14	0.53	Each	1
AW18	10	8	5000	19	135	75	14	0.92	Each	1
AW22	13	10	7600	23	160	90	17	1.6	Each	1
AW26	16	13	10000	27	180	100	20	2.46	Each	1
AW32	19	16	14000	33	200	110	26	4.14	Each	1
AW36	22	19	25100	36	260	140	-	6.22	Each	1
AW45	26	22	30800	45	340	180	-	12.82	Each	1
AW50	32	26	40000	50	350	190	-	16.55	Each	1
AW56	-	32	64000	60	400	200	-	27.01	Each	1
AW72	-	-	85000	70	460	250	-	45	Each	1

Designed for Single & 2 Leg Applications

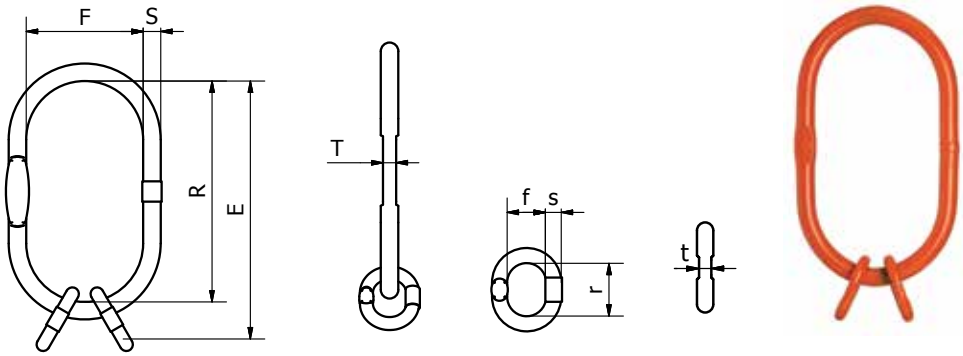


BEAVER – LARGE MASTER LINK – GRADE 100

For use with large Ram horn hooks. c/w Intermediate Rings for chain slings. Grade 100

Code	Chain Size mm	WLL @60 (kg)	S mm	E mm	R mm	F mm	T mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
VLW2-8	8	5600	27	410	340	180	20	13	54	25	10	5.1	Each	1
VLW2-10	10	9500	33	425	340	180	27	17	70	34	14	8	Each	1
VLW2-13	13	14000	40	455	340	180	29	20	85	40	-	12.3	Each	1
VLW2-16	16	21200	40	480	340	180	29	23	115	50	17	13.8	Each	1

Designed for 2, 3 & 4 Leg Applications

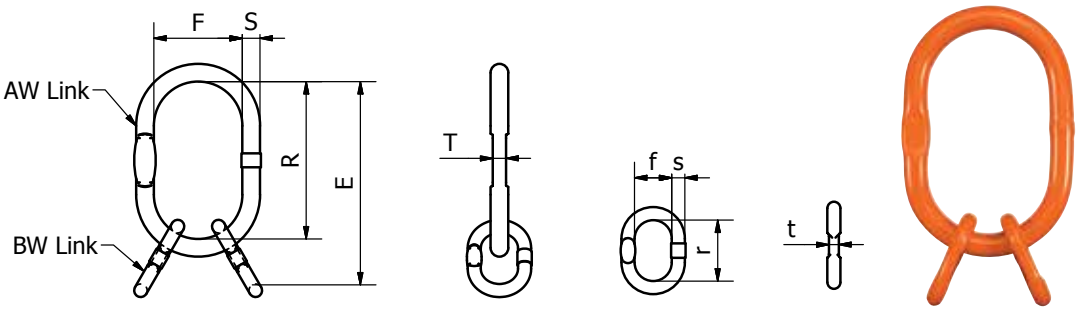


MASTER LINKS AND SETS FOR G100 ASSEMBLY SYSTEMS CONT'D

BEAVER – VW MULTI-LEG MASTER LINK ASSEMBLY – GRADE 100

Code	Chain Size mm	WLL @60° (kg)	S mm	E mm	R mm	F mm	T mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
VW7-8	7-8	7600	23	230	160	90	17	17	70	34	14	2.32	Each	1
VW10	10	9600	27	265	180	100	20	20	85	40	14	3.68	Each	1
VW13	13	14000	33	315	200	110	26	23	115	50	17	6.46	Each	1
VW16	16	21200	36	400	260	140	-	27	140	65	20	10.06	Each	1
VW20	20	34100	50	500	350	190	-	33	150	70	26	22.87	Each	1
VW22	22	40000	50	520	350	190	-	36	170	75	-	24.79	Each	1
VW26	26	56000	60	570	400	200	-	45	170	80	-	41.31	Each	1
VW32	32	85000	70	660	460	250	-	50	200	100	-	66.6	Each	1

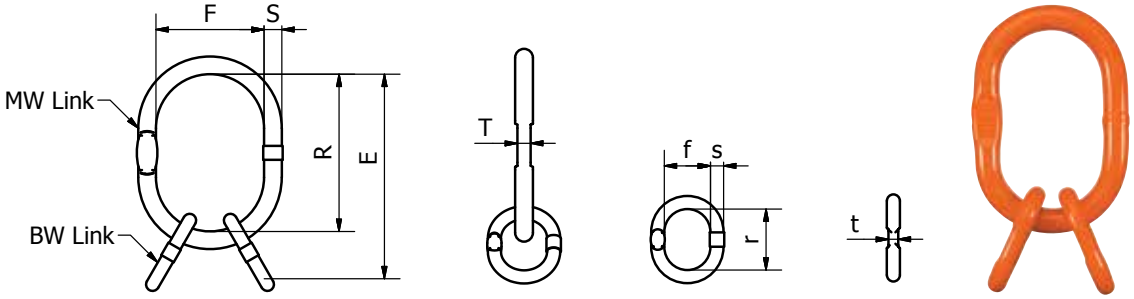
Designed for 2, 3 & 4 Leg Applications



BEAVER – VMW ENLARGED MULTI-LEG MASTER LINK ASSEMBLY – GRADE 100

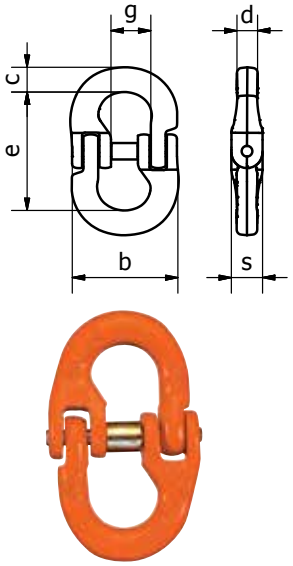
Code	Chain Size mm	WLL @60° (kg)	S mm	E mm	R mm	F mm	T mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
VMW7-8	8	6600	23	230	160	110	17	17	70	34	14	2.41	Each	1
VMW10	10	10100	27	275	190	110	20	20	85	40	14	4.01	Each	1
VMW13	13	15700	33	345	230	130	26	23	115	50	17	6.9	Each	1
VMW16	16	21200	38	415	275	150	29	27	140	65	20	11.12	Each	1
VMW20	20	34100	56	500	350	250	-	33	150	70	26	28.08	Each	1
VMW22	22	40000	56	520	350	250	-	36	170	75	-	30.62	Each	1

Designed for 2, 3 & 4 Leg Applications



BEAVER – CONNECTING LINK – GRADE 100

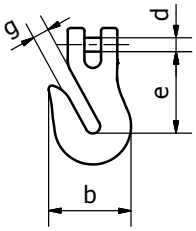
Code	Chain Size mm	WLL (kg)	e mm	c mm	s mm	d mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Bolt Kit
CW6	6	1400	44	8	11	8	39	14	0.06	Each	20	CBHW6
CW8	8	2500	62	12	15	10	53	18	0.18	Each	20	CBHW8
CW10	10	4000	72	13	18	13	63	23	0.33	Each	30	CBHW10
CW13	13	6700	88	19	22	17	79	28	0.7	Each	20	CBHW13
CW16	16	10000	103	21	29	21	106	33	1.4	Each	12	CBHW16
CW20	20	16000	115	30	35	25	118	42	2.14	Each	8	CBHW20
CW22	22	19000	161	34	39	25	148	51	4.15	Each	6	CBHW22
CW26	26	26500	190	40	46	30	175	60	6.7	Each	4	CBHW26
CW32	32	40000	206	47	56	35	216	80	11.2	Each	2	CBHW32



MASTER LINKS AND SETS FOR G100 ASSEMBLY SYSTEMS (CONT'D)

BEAVER – CLEVIS GRAB HOOK – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	b mm	d mm	g mm	Approx Weight (kg)	UOM	Pack Qty
KPW6	6	1400	45	47	7	8	0.19	Each	80
KPW8	8	2500	61	58	10	11.5	0.38	Each	55
KPW10	10	4000	76	76	13	13	0.85	Each	25
KPW13	13	6700	104	101	16	17	1.9	Each	12
KPW16	16	10000	116	120	20	20	3.6	Each	8
KPW20	20	16000	141	150	24	25	6.15	Each	4
KPW22	22	19000	158	165	27	27	9	Each	3





No Deration

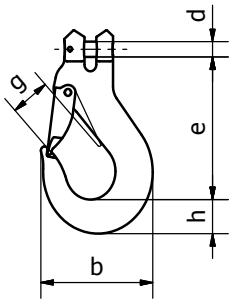


⚠ CAUTION

The design of the clevis shortening grab hooks allow for a quick visual check that the chain is seated in the hook's mouth correctly. The design of the hook means that the supported chain no longer contacts the bearing surface of the hook, due to the chain being supported by the side faces of the hook. Meaning no deration of the rated capacity.

BEAVER – CLEVIS SLING HOOK C/W SAFETY CATCH – GRADE 100

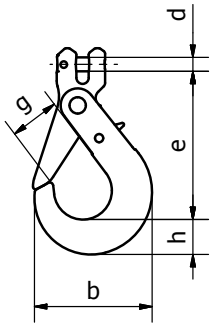
Code	Chain Size mm	WLL (kg)	e mm	h mm	d mm	g mm	b mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
KHSW6	6	1400	69	20	7	19	66	0.2	Each	50	SFGW5/6
KHSW8	8	2500	95	28	10	26	90	0.6	Each	30	SFGW7/8
KHSW10	10	4000	109	35	13	31	108	1.1	Each	18	SFGW10
KHSW13	13	6700	136	41	16	39	131	2	Each	10	SFGW13
KHSW16	16	10000	155	49	20	45	153	3.48	Each	5	SFGW16
KHSW20	20	16000	184	53	24	53	177	5	Each	2	SFGW20
KHSW22	22	19000	214	62	27	62	196	9	Each	2	SFGW22





BEAVER – CLEVIS SELF LOCKING HOOK – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	h mm	b mm	d mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
KLHW8	8	2500	123	26	88	10	34	0.9	Each	25	VLHW7/8
KLHW10	10	4000	144	30	107	13	45	1.6	Each	12	VLHW10
KLHW13	13	6700	180	40	138	16	52	2.9	Each	6	VLHW13
KLHW16	16	10000	218	50	168	20	60	5.8	Each	4	VLHW16
KLHW19-20	20	16000	260	62	194	24	70	10	Each	3	VLHW20/22
KLHW22	22	19000	284	65	211	27	81	12.8	Each	1	VLHW20/22
KLHW26	26	26500	339	79	253	33	100	21	Each	1	VLHW26

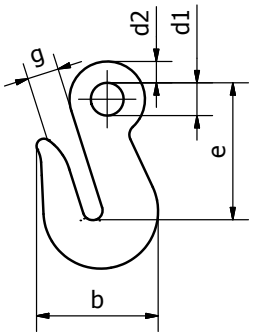




MASTER LINKS AND SETS FOR G100 ASSEMBLY SYSTEMS (CONT'D)

BEAVER – EYE SHORTENING GRAB HOOK – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	b mm	d1 mm	d2 mm	g mm	Approx Weight (kg)	UOM	Pack Qty
PW8	7-8	2500	71	58	20	12	11	0.4	Each	80
PW10	10	4000	88	76	22	15	13	0.9	Each	30
PW13	13	6700	113	101	26	18	17	1.8	Each	15
PW16	16	10000	129	118	32	23	19	3.6	Each	8
PW20	20	16000	151	150	36	27	25	6.15	Each	5
PW22	22	19000	170	165	42	31	27	8.3	Each	3
PW26	26	26500	201	195	50	37	32	13.8	Each	2
PW32	32	31500	240	210	60	10	39	18.6	Each	1



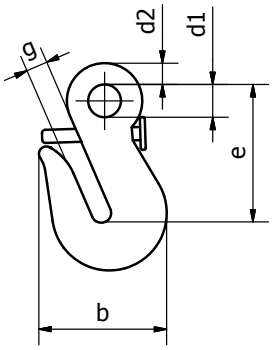


Used for the shortening of chain sling legs. It's the first grab hook in Grade 100 on the market. Due to its unique design there is no deration in the load capacity.
This is due to the 4 fold feature of the hooks supporting cradle design.

No Deration

BEAVER – EYE GRAB HOOK C/W SAFETY PIN – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	b mm	d1 mm	d2 mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin Kit
PSW7-8	8	2500	71	58	20	12	11	0.4	Each	1	PSGW7/8
PSW10	10	4000	88	76	22	15	13	0.9	Each	1	PSGW10
PSW13	13	6700	113	101	26	18	17	1.8	Each	1	PSGW13
PSW16	16	10000	129	118	32	23	19	3.6	Each	1	PSGW16



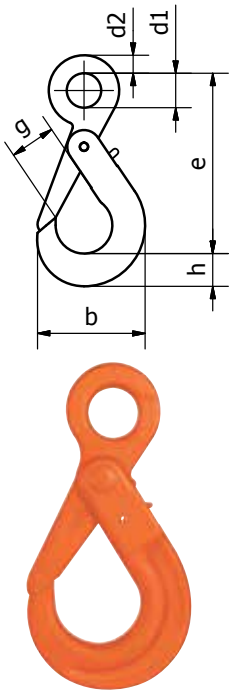


The first grade 100 eye shortening safety grab hook which prevents the accidental release of the chain whilst still providing no deration in capacity. This feature is useful when the chains have been loaded fully as there is no possibility of the chain becoming dislodged from the grab hook. Meaning once you have adjusted the legs there is no need to adjust them again.

No Deration

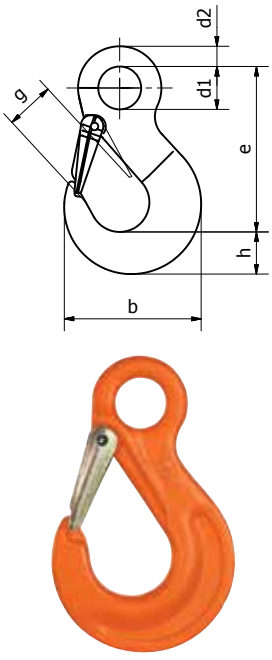
BEAVER – SAFETY EYE SELF LOCKING HOOK – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	h mm	b mm	d1 mm	d2 mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Trigger Kit
LHW7-8	7-8	2500	136	26	88	25	12	34	0.9	Each	25	VLHW7/8
LHW10	10	4000	169	30	107	35	15	45	1.5	Each	12	VLHW10
LHW13	13	6700	205	40	138	40	20	52	2.7	Each	8	VLHW13
LHW16	16	10000	251	50	168	50	27	60	5.7	Each	4	VLHW16
LHW19-20	20	16000	290	62	194	60	30	70	9.8	Each	3	VLHW19-20
LHW22	22	19000	322	65	211	70	32	81	12.4	Each	1	VLHW22



BEAVER – EYE SLING HOOK C/W SAFETY CATCH – GRADE 100

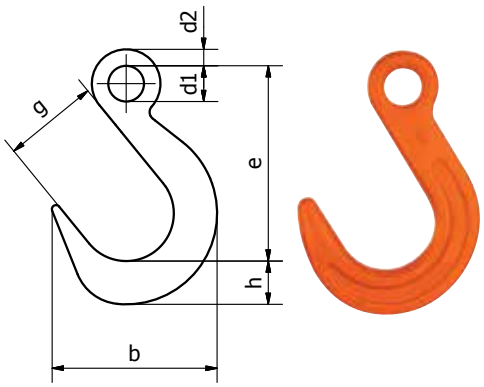
Code	Chain Size mm	WLL (kg)	e mm	h mm	d1 mm	d2 mm	g mm	b mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Latch Kit
HSW8	7-8	2500	106	27	25	11	26	88	0.5	Each	30	SFGW7/8
HSW10	10	4000	131	33	34	16	31	109	1.1	Each	18	SFGW10
HSW13	13	6700	164	44	43	19	39	134	2.2	Each	10	SFGW13
HSW16	16	10000	183	50	50	25	45	155	3.5	Each	5	SFGW16
HSW20	20	16000	205	55	55	27	53	178	5.8	Each	3	SFGW20
HSW22	22	19000	225	62	60	29	62	196	8	Each	2	SFGW22
HSW26	26	26500	259	75	70	37	73	235	12.8	Each	1	SFGW26-32
HSW32	32	31500	299	89	66	42	87	281	22.4	Each	1	SFGW26-32



MASTER LINKS AND SETS FOR G100 ASSEMBLY SYSTEMS (CONT'D)

BEAVER – EYE FOUNDRY HOOK – GRADE 100

Code	Chain Size mm	WLL (kg)	e mm	h mm	d1 mm	d2 mm	g mm	b mm	Approx Weight (kg)	UOM	Pack Qty
FW10	10	4000	158	35	31	14	76	143	1.77	Each	8
FW13	13	6700	190	42	39	17	89	170	2.82	Each	5
FW16	16	10000	224	50	47	22	102	200	5.03	Each	3
FW20	20	16000	260	61	56	28	114	231	7.6	Each	2

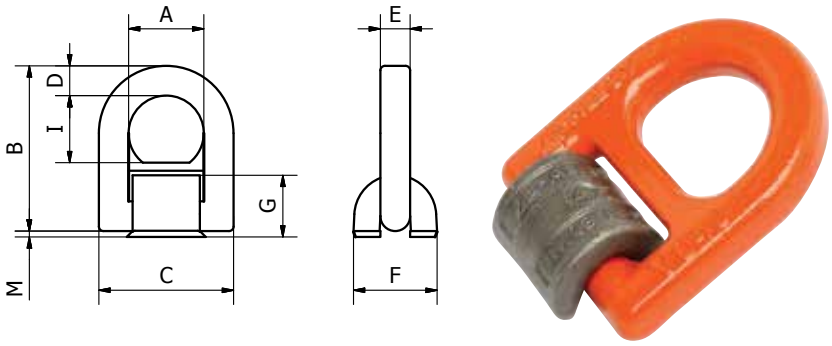




B-ALLOY-V WELD-ON LIFTING AND LASHING RINGS

B-ALLOY-V WELD-ON LIFTING AND LASHING RINGS

Code	WLL Tonnes (kg)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	I mm	M mm	Weld mm HV+aL	Weight (kg)
BALPV015	1500	38	79	66	14	13.5	32	25	31	2	HV5+3	0.40
BALPV025	2500	45	92.5	77	16	13.5	36	27	38	3.5	HV7+3	0.60
BALPV040	4000	51	102	87	18	16.5	42	32	40.5	2	HV8+3	0.90
BALPV067	6700	67	138	115	24	22.5	61	44	55	4	HV12+4	2.0
BALPV100	10000	67.5	142	129	26.5	57.5	75	53	57.5	4	HV16+4	3.0
BALPV160	16000	100	216.4	190	40	26	95	69	85	5	HV25+6	6.9



WELDING INSTRUCTIONS & PROCEDURES

The welding should only be carrried out according to EN 287 or AWS Standards by an authorised welder.

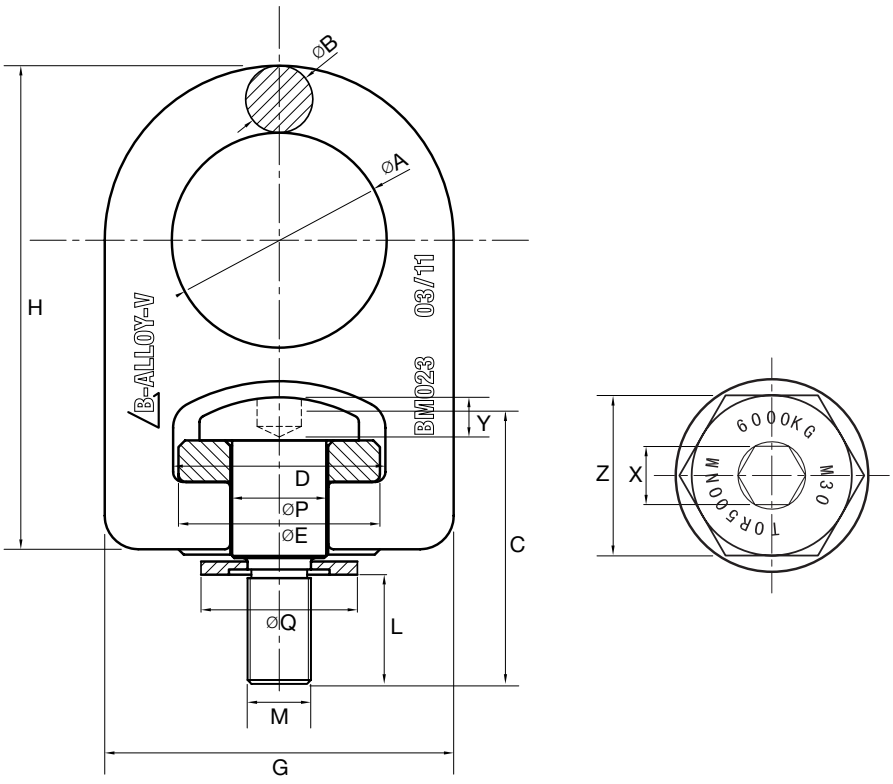
Beaver Code	WLL Tonnes	Weld Size	Weld Length	Weld Volume
BALPV015	1.5	HV 5+a3 ◺	2 x 33mm	ca. 1,2cm^3
BALPV025	2.5	HV 7+a3 ◺	2 x 40mm	ca. 2,6cm^3
BALPV040	4	HV 8+a3 ◺	2 x 40mm	ca. 3,2cm^3
BALPV067	6.7	HV 12+a4 ◺	2 x 60mm	ca. 8.7cm^3
BALPV100	10	HV 16+a4 ◺	2 x 60mm	ca. 15,5cm^3
BALPV160	16	HV 25+a6 ◺	2 x 90mm	ca. 56cm^3

Detailed welding instructions are available on request.

B-ALLOY-V BOLT-ON LIFTING AND LASHING LUG

B-ALLOY-V BOLT-ON LIFTING AND LASHING LUG

Code	WLL Tonnes	M Thread Size mm	Torque N*M	L mm	A mm	B mm	C mm	D mm	E mm	H mm	G mm	P mm	Q mm	X mm	Y mm	Z mm	Weight (kg)
BRLP-M12	1	M12	100	33	35.6	11.2	60	35.3	33.5	80.5	60.5	15.6	31.2	8.03	5	25.4	0.4
BRLP- 1/2UNC	1	1/2UNC	100	33	35.6	11.2	60 3	5.3	33.5	80.5	60.5	15.6	31.2	8.03	5	25.4	0.4
BRLP-M16	1.5	M16	150	33	35.6	11.2	60	35.3	33.5	80.5	60.5	15.6	31.2	8.03	5	25.4	0.4
BRLP-M20	2.5	M20	300	33	61	19.1	82.6	60.2	57.2	137	103	26.7	53.3	15.9	9.4	44.5	1.8
BRLP-M24	4	M24	400	37	61	19.1	82.6	60.2	57.2	137	103	26.7	53.3	15	9.4	44.5	1.8
BRLP-M30	6	M30	500	50	81.3	25.4	110.8	80.3	76.2	183	137.2	35.6	71.1	22.1	15	60.3	4.1
BRLP-M36	8	M36	800	54	81.3	25.4	110.8	80.3	76.2	183	137.2	35.6	71.1	22.1	15	60.3	4.1
BRLP-M42	10	M42	1000	63	101.6	31.8	139.4	100.3	95.3	229	171.5	44.5	88.9	27.1	18	76.2	9

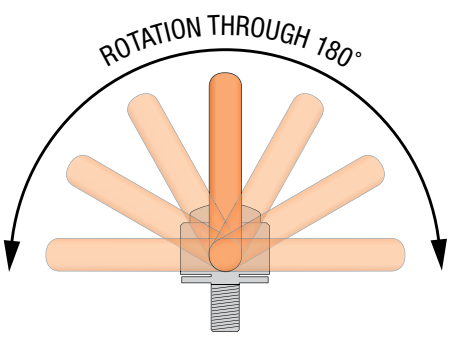


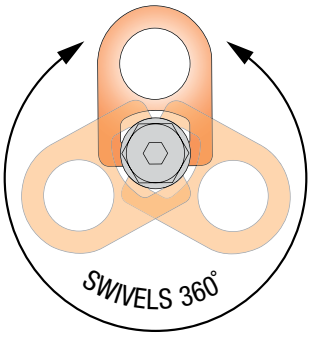
LIFTING CHAIN & COMPONENTS

FEATURES

- High strength lifting or lashing point
- Has full working load limit at all angles & rotations
- Easily attached to the required lifting base or item
- Eye screw in electro galvanised finish
- Durable powder coated finish of the lifting lug
- Functional compact design
- Lifting lug with raised markings indicating Month & Year of manufacture, WLL & B-Alloy-V ID & test number for accurate traceability.
- Eye screw with raised markings showing WLL, size of thread & torque required when tightening
- Test Certificate available
- Several sizes available with UNC threads
- Batch tested using Beaver's NATA accredited laboratories & state of the art technology









GRADE 50 LIFTING CHAIN AND COMPONENTS

BEAVER-GRADE 50 STAINLESS STEEL LIFTING CHAIN AND COMPONENTS

BEAVER-GRADE 50 STAINLESS STEEL LIFTING CHAIN

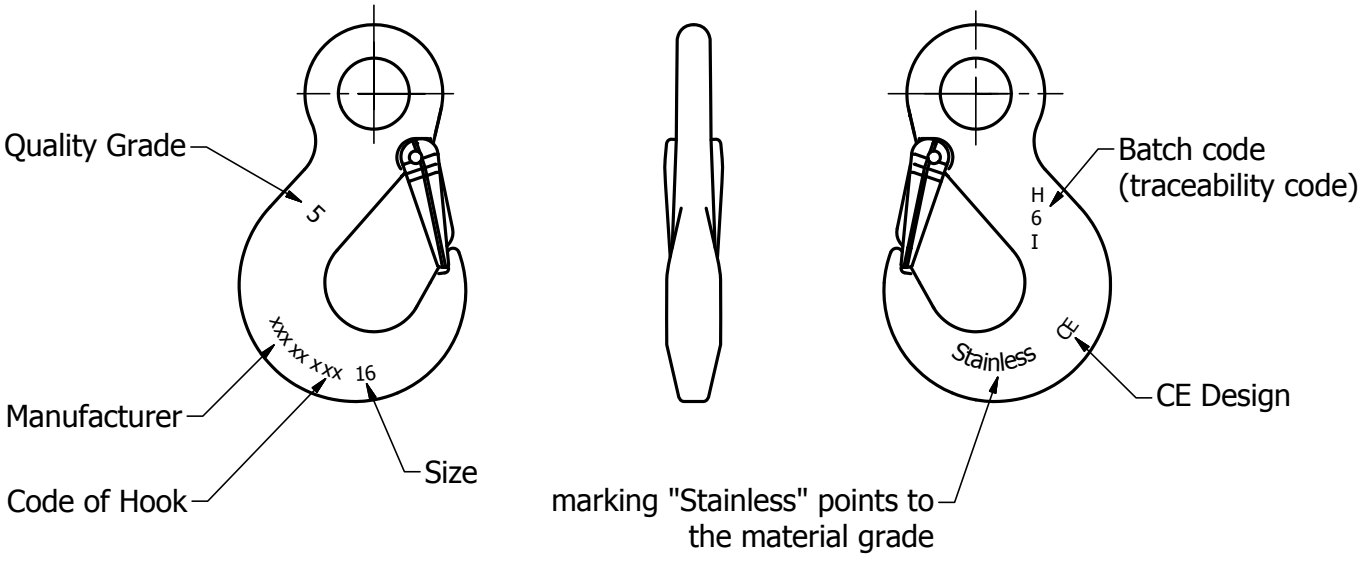
Beaver-Grade 50 Stainless Steel Lifting Chain is manufactured from Grade 316 stainless steel and is tested in accordance with Australian Standard AS 4797. It's high corrosive properties make it ideal for lifting in environments such as water treatment plants, waste management and food processing.

BEAVER-GRADE 50 STAINLESS STEEL LIFTING COMPONENTS

Beaver-Grade 50 Stainless Steel Lifting Components are also manufactured from Grade 316 stainless steel and is tested in accordance with Australian Standard AS 4797. It is ideal for lifting in environments such as water treatment plants, waste management and food processing.

- Beaver-Grade components – see image 4.1

IMAGE 4.1 GRADE 50 COMPONENT MARKINGS



BEAVER GRADE 50 STAINLESS STEEL - SINGLE AND DOUBLE LEG CHAIN SLINGS

BEAVER GRADE 50 SINGLE LEG SLING WITH EYE SLING HOOK

c/w Safety Latch & Shortening Grab Hook

Code	Chain Size mm	Effective Length mtr	WLL No Deration (Kg)
G5-CSA07117535	7	1	1000
G5-CSA07127535	7	2	1000
G5-CSA07137535	7	3	1000
G5-CSA10117535	10	1	2000
G5-CSA10127535	10	2	2000
G5-CSA10137535	10	3	2000



BEAVER GRADE 50 DOUBLE LEG SLING WITH EYE SLING HOOK

c/w Safety Latch & Shortening Grab Hook

Code	Chain Size mm	Effective Length mtr	WLL @ 60° No Deration (Kg)
G5-CSA07217535	7	1	1700
G5-CSA07227535	7	2	1700
G5-CSA07237535	7	3	1700
G5-CSA10217535	10	1	3400
G5-CSA10227535	10	2	3400
G5-CSA10237535	10	3	3400
G5-CSA10247535	10	4	3400
G5-CSA10267535	10	6	3400
G5-CSA13217535	13	1	5440
G5-CSA13227535	13	2	5440
G5-CSA13237535	13	3	5440
G5-CSA13247535	13	4	5440

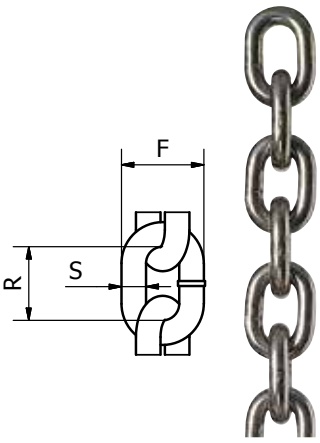


BEAVER GRADE 50 CHAIN AND COMPONENTS

BEAVER GRADE 50 STAINLESS STEEL LIFTING CHAIN G316

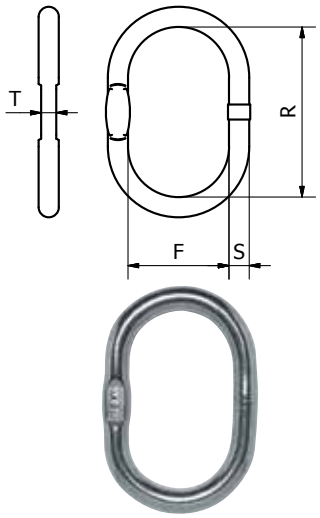
to AS 4797

Code	WLL (kg)	Size mm	S mm	R mm	F mm	Finish	Weight kg/m	UOM	Metres per 100 kg
WOX5	500	5	5	16	17.5	Stainless Steel	0.56	Metre	178
WOX7	1000	7	7	21	23.53	Stainless Steel	1.1	Metre	90
WOX10	2000	10	10	30	33.5	Stainless Steel	2.2	Metre	45
WOX13	3200	13	13	39	43.5	Stainless Steel	3.8	Metre	26



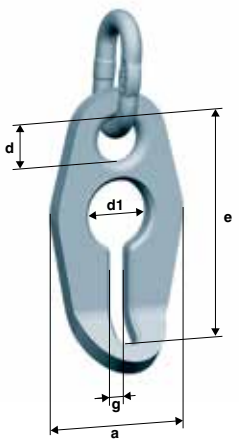
BEAVER STAINLESS STEEL MASTER LINK GRADE 50 G316

Code	Chain Size mm 1 Leg	Chain Size mm 2 Leg	WLL (kg)	S mm	R mm	F mm	T mm	Approx Weight (kg)	UOM	Pack Qty
AWI10	5	5	700	10	80	50	-	0.14	Each	20
AWI13	7	-	1050	13	110	60	10	0.34	Each	20
AWI16	-	7	1400	16.5	110	60	14	0.53	Each	20
AWI18	10	-	2000	18.5	135	75	14	0.92	Each	20
AWI22	13	10	3200	23	160	90	17	1.6	Each	5
AWI26	16	13	5000	27	180	100	20	2.46	Each	5



BEAVER STAINLESS STEEL GRADE 50 VLWI SHORTENER

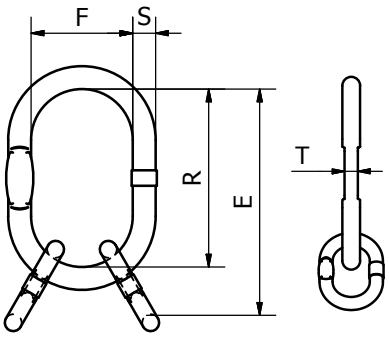
Code	WLL (kg)	e mm	a mm	d mm	d1 mm	g mm	Weight kg
VLWI 5/6	750	80	52	16	26	8	0.18
VLWI 7/8	1250	111	68	22	34	11	0.47
VLWI 10	2000	133	86	27	40	12	0.87
VLWI 13	3200	169	108	32	52	16	1.85
VLWI 16	5000	204	134	38	64	20	3.40

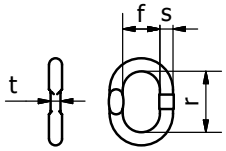


BEAVER GRADE 50 CHAIN AND COMPONENTS (CONT'D)

BEAVER STAINLESS STEEL MULTI LINK ASSEMBLY GRADE 50 G316

Code	Chain Size mm	WLL (kg)	S mm	E mm	R mm	F mm	T mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
VWI5	5	1050	13	154	110	60	10	10	44	20	-	0.52	Each	10
VWI7	7	3200	23	230	160	90	17	16	70	34	14	2.32	Each	10
VWI10	10	5000	27	265	180	100	20	20	85	40	-	3.68	Each	10
VWI13	13	7100	33	315	200	110	26	23	115	50	17	6.46	Each	5
VWI16	16	10500	36	400	260	140	29	27	140	65	20	10.06	Each	5

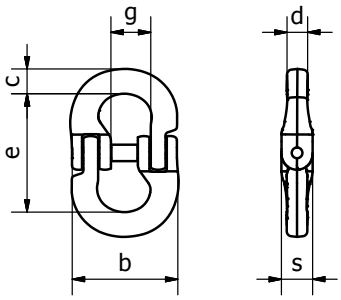






BEAVER STAINLESS STEEL CONNECTING LINK GRADE 50 G316

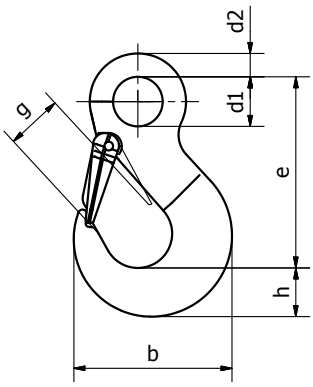
Code	Chain Size mm	WLL (kg)	e mm	c mm	b mm	g mm	s mm	d mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin
CWI5	5	500	36	7	34.4	12.7	9.5	7	0.05	Each	50	CBHWI5
CWI7	7	1000	54	9	50.8	16.6	13	9	0.12	Each	50	CBHWI7
CWI10	10	2000	73	13	69.8	24.6	18	13	0.33	Each	50	CBHWI10
CWI13	13	3200	92	17	85.4	28.6	23	17	0.7	Each	20	CBHWI13
CWI16	16	5000	104	21	105.3	36.5	28	21	1.22	Each	20	CBHWI16





BEAVER STAINLESS STEEL EYE SLING HOOK C/W SAFETY LATCH GRADE 50

Code	Chain Size mm	WLL (kg)	e mm	h mm	d1 mm	d2 mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin
HSK5	5	500	80	20	21	8	66	22	0.25	Each	1	SFGWI5
HSK7	7	1000	104	28	24	11	90	29	0.6	Each	1	SFGWI7
HSK10	10	2000	125	33	31	14	108	35	1.2	Each	1	SFGWI10
HSK13	13	3200	155	43	39	17	134	43	2.1	Each	1	SFGWI13
HSK16	16	4500	175	47.4	47	22	152.5	48	3	Each	1	SFGWI16

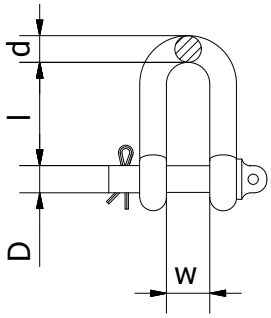


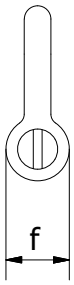


BEAVER– GRADE '50' SCREW PIN SHACKLES

Chain Dee Type

Code	Size mm	WLL (kg)	Type	Shape	Closing Method	DIA d	D mm	W mm	L mm	F mm	Approx Weight (kg)	UOM	Pack Qty
SMSWI4/5	8x9	500	Grade 50	Dee	Screw Pin	8	9	17	22	18	0.07	Each	30
SMSWI6/7/8	12x13	1250	Grade 50	Dee	Screw Pin	12	13	25	40	25	0.22	Each	30
SMSWI10	16x17	2000	Grade 50	Dee	Screw Pin	16	17	32	60	32	0.52	Each	30
SMSWI13	13x16	3200	Grade 50	Dee	Screw Pin	13	16	25	50	32	0.35	Each	10
SMSWI16	16x19	5000	Grade 50	Dee	Screw Pin	16	19	32	64	38	0.55	Each	10







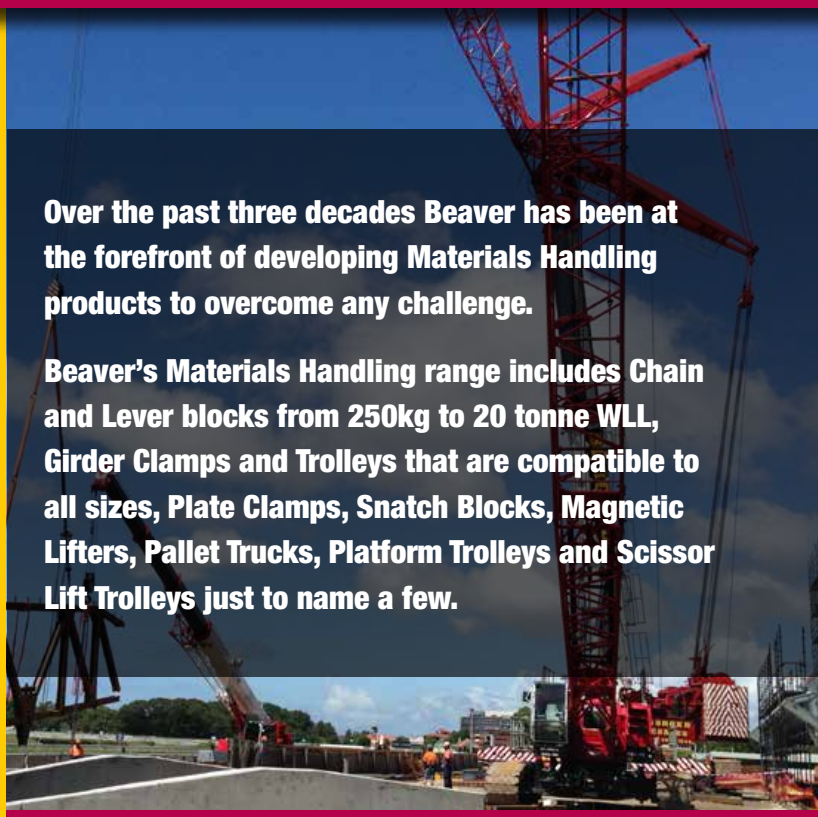




SECTION 3 / MATERIALS HANDLING

CONTENTS

BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS
BEAVER 3S INDUSTRIAL CHAIN BLOCKS
BEAVER PUSH AND GEARED GIRDER TROLLEYS
BEAVER PIPE TROLLEY
BEAVER GIRDER CLAMPS
BEAVER HORIZONTAL & VERTICAL PLATE CLAMPS
BEAVER MATERIALS HANDLING
BEAVER HEAVY DUTY SNATCH BLOCKS
BEAVER HAND SHEAVES
BEAVER WIRE ROPE HOISTS
BEAVER LIFTALL ELECTRIC CHAIN HOISTS AND TROLLEYS
BEAVER PERMANENT MAGNET LIFTER
BEAVER ELECTRIC WINCHES
BEAVER BRAKE HAND WINCHES
BEAVER HAND PALLET TRUCKS
BEAVER SCISSOR LIFT TABLES
BEAVER HAND TROLLEYS
BEAVER 3S LEVER BLOCK 250KG & 500KG SPARE PARTS LIST
BEAVER 3S LEVER BLOCK 800KG - 9T SPARE PARTS LIST
BEAVER 3S CHAIN BLOCK 250KG SPARE PARTS LIST
BEAVER 3S CHAIN BLOCK 500KG - 10T SPARE PARTS LIST



Over the past three decades Beaver has been at the forefront of developing Materials Handling products to overcome any challenge.

Beaver's Materials Handling range includes Chain and Lever blocks from 250kg to 20 tonne WLL, Girder Clamps and Trolleys that are compatible to all sizes, Plate Clamps, Snatch Blocks, Magnetic Lifters, Pallet Trucks, Platform Trolleys and Scissor Lift Trolleys just to name a few.

BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS

BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS

- Heavy duty, available from 250kg to 9 tonne capacity.
- Lever blocks are a versatile lifting & tensioning device widely used in rigging, construction & mining.
- Lever blocks can be used in any direction, but must be in a straight line.
- The Beaver lever block has a chain guide fitted in order to stop the load from jumping out of the pockets on the load sprocket.
- The Beaver 3S Industrial Chain Lever Block mechanism and gears are enclosed in a robust all steel compact shell.
- The load chain is made of high resistance, Grade 80 Alloy Steel, black finish, heat treated, calibrated and marked according to International Standards ISO 3077 and ISO 1834.
- All Beaver lever block gears are fitted with industrial Roller bearings.
- The short arm lever and the gear ratio allows minimum effort to raise maximum load with maximum security.
- The top and bottom hooks come complete with cast latches.
- Top and bottom hooks are fitted with ball bearings to allow rotation under load.
- Ergonomic and heavy free knob to ensure easy and convenient handling.
- Machined and heat treated gears, offering better durability and longer life cycle.
- Every Beaver 3S Industrial Lever Block is operationally tested to its rated capacity and is supplied with a Beaver test certificate, relating to its stamped identification side plate.
- Beaver 'ID' plates and rivets are supplied in stainless steel (a non conductive material) in order to avoid dangerous sparking, making them ideal for underground mining.
- A comprehensive range of spare parts are available, complete with full repair facilities and re-testing to Australian Standard specifications.



Only applicable to Lever Blocks 800kg - 9T

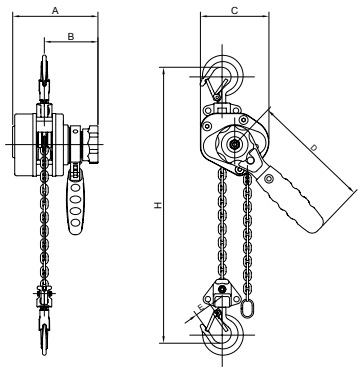
Only applicable to Chain Blocks 500kg - 10T

For spare parts see pages 119-125

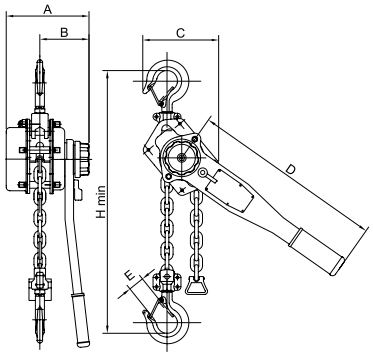
BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

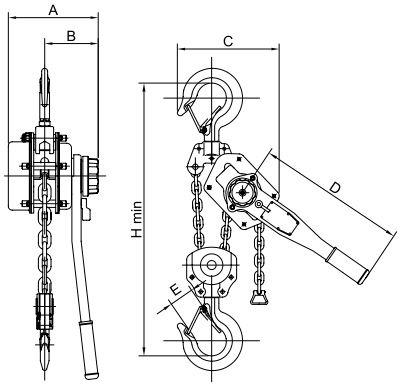
Product Code		506025	506050	506080	506160	506320	506630
Rated Capacity (kg)		250	500	800	1600	3200	6300
Colour Code		Grey	Grey	White	Violet	Yellow	Brown
Standard Lift	Metre	1.5	1.5	1.5	1.5	1.5	1.5
Test Load	KN	4.9	9.8	11.3	22.5	45	90
Headroom	H (mm)	200	250	325	380	480	620
Effort on lever to lift full load	N	210	320	140	240	320	340
No. of load chain falls	-	1	1	1	1	1	2
Diameter of load chain	mm	4	4	6x18	8x24	10x30	10x30
Length of Lever Handle	D (mm)	145	160	280	410	410	410
Dimensions mm	A	87	100.5	148	172	200	200
	B	55.5	62.5	90	98	115	115
	C	68	81	136	160	180	235
	E	21	24.5	30	35	40	50
Net Weight	kg	1.5	2.5	7	11	21	31



250kg & 500kg



1.6 Tonne & 3.2 tonne



6.3 tonne







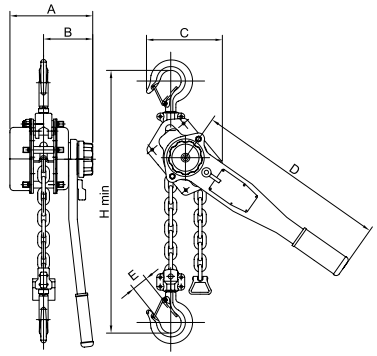
BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS

For spare parts see pages 119-125

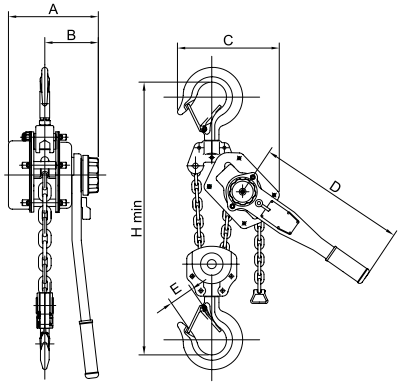
BEAVER 3S INDUSTRIAL MANUAL LEVER BLOCKS - WITH OVERLOAD PROTECTION

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

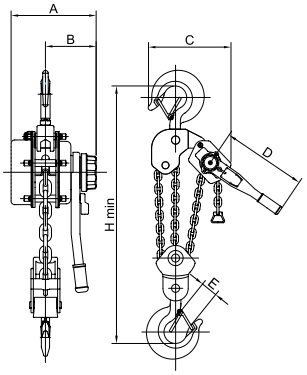
Product Code		507080	507160	507320	507630	507900
Rated Capacity (kg)		800	1600	3200	6300	9000
Colour Code		White	Violet	Yellow	Brown	Orange
Standard Lift	Metre	1.5	1.5	1.5	1.5	1.5
Test Load	KN	11.3	22.5	45	90	135
Headroom	H (mm)	325	380	480	620	700
Effort on lever to lift full load	N	140	240	320	340	360
No. of load chain falls	-	1	1	1	2	3
Diameter of load chain	mm	6x18	8x24	10x30	10x30	10x30
Length of Lever Handle	D (mm)	280	410	410	410	410
Dimensions mm	A	148	172	200	200	200
	B	90	98	115	115	115
	C	136	160	180	235	316
	E	30	35	40	50	60
Net Weight	kg	7	11	21	31	47



1.6 Tonne & 3.2 tonne



6.3 tonne



9 tonne


RATED CAPACITY
9t
LEVER BLOCK LVT1.5m
MODEL 35
RATED CAPACITY
3.2t

BEAVER 3S INDUSTRIAL CHAIN BLOCKS

BEAVER 3S INDUSTRIAL CHAIN BLOCKS

Chain blocks are designed for use on monorails, jibs fixed installations and for maintenance use. They are to be used for vertical lifts only. If they are side loaded or used horizontally, jamming of the loader chain and damage to the blocks may occur.

- Beaver 3S industrial chain blocks are colour coded to match international lifting standards for fast and accurate identification of WLL
- The Beaver 3S Industrial Chain Block has improved reinforced side covers, made from heavy duty steel to ensure full protection of the vital gears, shafts and bearings.
- The load chain is made of high resistance, Grade 80 Alloy Steel, black finish, heat treated, calibrated and marked according to International Standards ISO 3077 and ISO 1834.
- All Beaver Chain Block gears are fitted with industrial Roller bearings.
- Strong and engineering designed gear on Ratchet gear part to ensure maximum performance and security.
- Machined and heat treated gears, offering better durability and longer life cycle.
- Superior Weston type friction braking system that works with load pressure and incorporates high strength twin synchronized pawls for additional safety ensuring that it cannot be free wheeled, extending the product life.
- The top and bottom hooks come with cast/heavy duty latches.
- Top and bottom hooks fitted with ball bearings to allow rotation under load.
- Every Beaver 3S Industrial Chain Block is operationally tested to its rated capacity and is supplied with a Beaver test certificate, relating to its stamped identification side plate.
- Beaver 'ID' plates and rivets are supplied in stainless steel and non conductive material in order to avoid dangerous sparking, making them ideal for underground mining.
- A comprehensive range of spare parts are available, complete with full repair facilities and re-testing to Australian Standard specifications



Only applicable to Lever Blocks 800kg - 9T

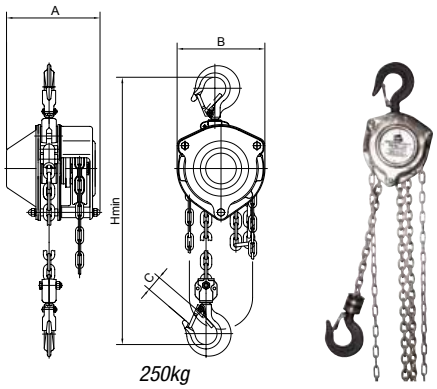
Only applicable to Chain Blocks 500kg - 10T

For spare parts see pages 119-125

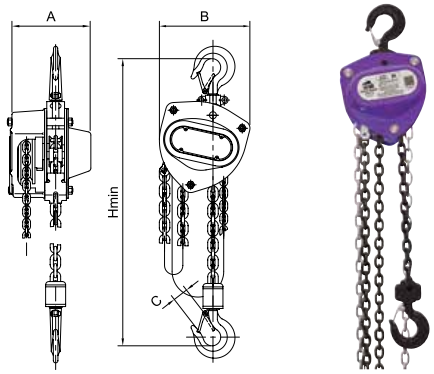
BEAVER 3S INDUSTRIAL MANUAL CHAIN BLOCKS

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

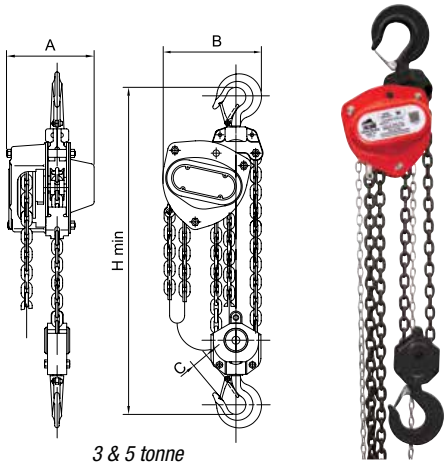
Product Code		503025	503053	503103	503203	503303	503503
Rated Capacity (kg)		250	500	1000	2000	3000	5000
Colour Code		Grey	White	Violet	Green	Yellow	Red
Standard Lift	Metre	1.5	3	3	3	3	3
No. of load chain falls	-	1	1	1	1	2	2
Effort to lift full load	kg	300	240	250	335	335	363
Headroom	H (mm)	230	345	376	470	565	688
Diameter of load chain	mm	4x12	5x15	6x18	8x24	8x24	9x30
Dimensions mm	A	110	132	151	175	176	189
	B	100	148	172	210	230	280
	C	18	28	32	36	46	46
Net Weight	kg	3.5	11	12.5	19.5	29	41.3



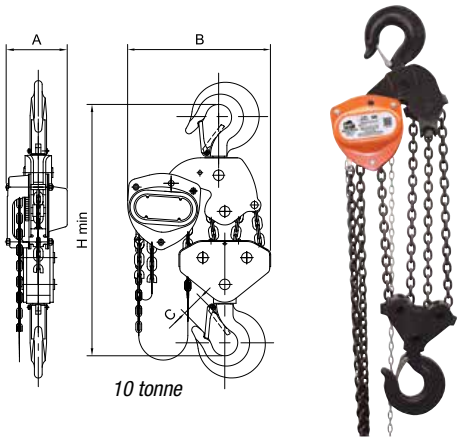
250kg



500kg, 1 & 2 tonne



3 & 5 tonne



10 tonne

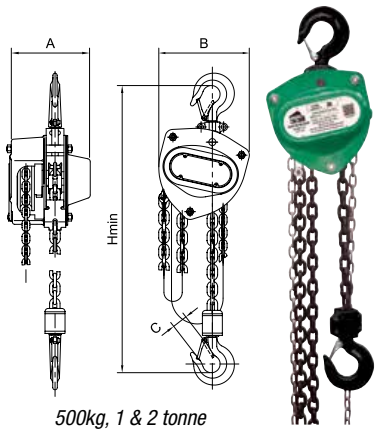
BEAVER 3S INDUSTRIAL CHAIN BLOCKS

For spare parts see pages 119-125

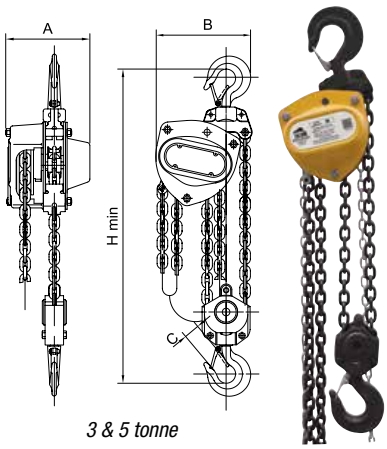
BEAVER 3S INDUSTRIAL MANUAL CHAIN BLOCKS - WITH OVERLOAD PROTECTION

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

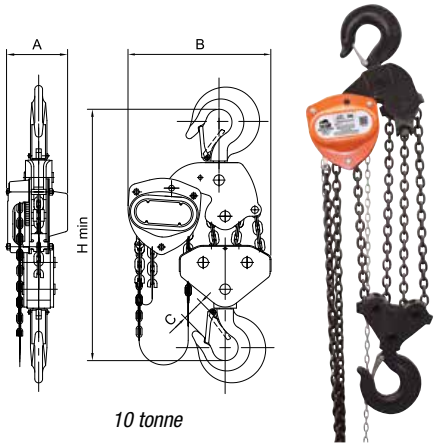
Product Code		508053	508103	508203	508303	508503	508603
Rated Capacity (kg)		500	1000	2000	3000	5000	10000
Colour Code		White	Violet	Green	Yellow	Red	Orange
Standard Lift	Metre	3	3	3	3	3	3
No. of load chain falls	-	1	1	1	2	2	4
Effort to lift full load	kg	240	250	335	335	363	380
Headroom	H (mm)	345	376	470	565	688	765
Diameter of load chain	mm	5x15	6x18	8x24	8x24	9x30	9x30
Dimensions mm	A	132	151	175	176	189	189
	B	148	172	210	230	280	463
	C	28	32	36	46	46	57
Net Weight	kg	11	12.5	19.5	29	41.3	78.5



500kg, 1 & 2 tonne



3 & 5 tonne



10 tonne

For spare parts see pages 119-125

BEAVER 3S INDUSTRIAL MANUAL CHAIN BLOCKS

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

Product Code		503056	503106	503206	503306	503506
Rated Capacity (kg)		500	1000	2000	3000	5000
Colour Code		White	Violet	Green	Yellow	Red
Standard Lift	Metre	6	6	6	6	6
No. of load chain falls	-	1	1	1	2	2
Effort to lift full load	kg	240	250	335	335	363
Headroom	H (mm)	345	376	470	565	688
Diameter of load chain	mm	5x15	6x18	8x24	8x24	9x30
Dimensions mm	A	132	151	175	176	189
	B	148	172	210	230	280
	C	28	32	36	46	46
Net Weight	kg	12.6	14.8	23.6	37.2	54.5

BEAVER 3S INDUSTRIAL MANUAL CHAIN BLOCKS - WITH OVERLOAD PROTECTION

Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard



Product Code		508056	508106	508206	508306	508506	508606
Rated Capacity (kg)		500	1000	2000	3000	5000	10000
Colour Code		White	Violet	Green	Yellow	Red	Orange
Standard Lift	Metre	6	6	6	6	6	6
No. of load chain falls	-	1	1	1	2	2	4
Effort to lift full load	kg	240	250	335	335	363	380
Headroom	H (mm)	345	376	470	565	688	765
Diameter of load chain	mm	5x15	6x18	8x24	8x24	9x30	9x30
Dimensions mm	A	132	151	175	176	189	189
	B	148	172	210	230	280	463
	C	28	32	36	46	46	57
Net Weight	kg	12.6	14.8	23.6	37.2	54.5	104.9

BEAVER PUSH AND GEARED GIRDER TROLLEYS

BEAVER PUSH AND GEARED GIRDER TROLLEYS

- Beaver Push and Geared Girder Trolleys are colour coded for even safer lifting capacity recognition.
- These Push and Geared Trolleys are designed to run on either RSJ or Universal Beams.
- All Beaver Push and Geared Trolleys are fully adjustable to suit varying flange widths up to a maximum of 350mm with the simple addition or subtraction of spacers or nuts on a suspension pin.
- Easy and simple mounting in different locations.
- Independent hanging eye for easy attachment of chain blocks.
- Precision ball bearing trolley wheels complete with dust cover and clip.
- Lightweight robust all-steel construction.
- Anti-derailment end plates fitted as standard for added safety.
- Anti-tilt blocks fitted as standard for additional safety.
- Hand chain on Geared Trolleys has a special, corrosion resistant Zinc dichromate (gold) finish.
- Each Beaver Girder Trolley has an individual serial number stamped on the stainless steel identification plate. This number coincides directly to the test certificate of the product, for quick and easy tracing and reference.
- Every Beaver Girder Trolley is operationally tested to 150% of its rated capacity and comes with a test certificate.
- Spare trolley wheels are available, complete with full repair facilities and re-testing in Beaver's NATA Accredited test facility.



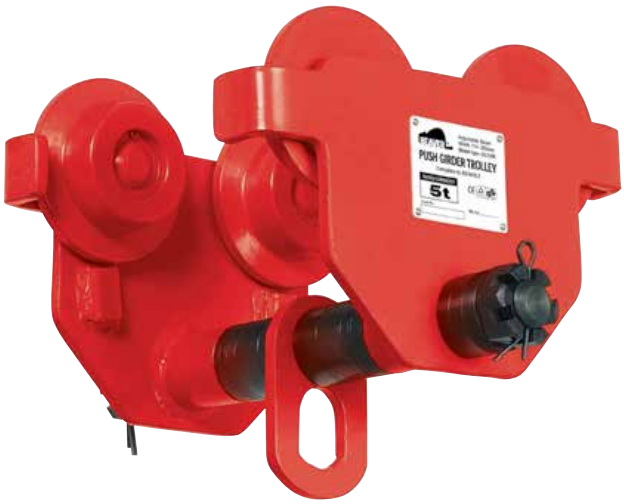


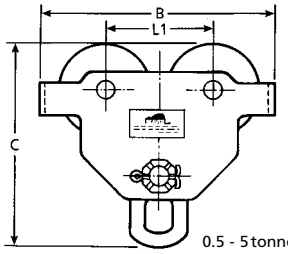
BEAVER PUSH GIRDER TROLLEYS

Complies to AS 1418.2 - Orange Colour

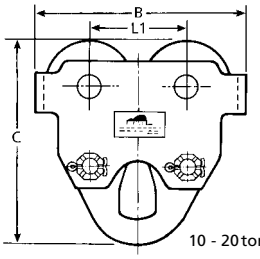
Product Code	522015S
Capacity WLL (kg)	1500
Beam Width (mm)	74 - 203
Proof Load (kN)	22.06
Standard Lift (m)	3
Effort Rated Capacity (N)	70
Minimum Radius of Curve (m)	1
A (mm) (Overall width)	338
B (mm) (Length)	260
C (mm)	238
D (mm)	45
E (mm)	38
F (mm)	1.5-3
G (mm)	33
H (mm) (Headroom)	134
I (mm) (Flange Dia.)	102
J (mm)	74
L1 (mm)	125
Net Weight (kg)	17.5

Beaver Push & Geared Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.

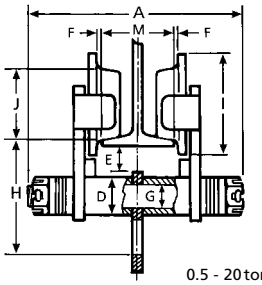




0.5 - 5tonne



10 - 20tonne



0.5 - 20tonne

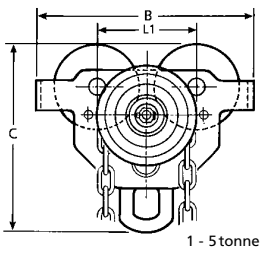
BEAVER PUSH AND GEARED GIRDER TROLLEYS (CONT'D)

BEAVER GEARED GIRDER TROLLEYS

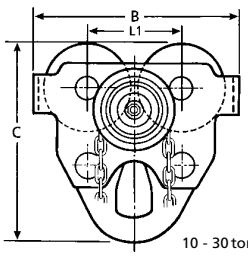
Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

Product Code	523010S	523020S	523030S	523050S	523100S	523200S
Rated Capacity	1 tonne	2 tonne	3 tonne	5 tonne	10 tonne	20 tonne
Colour Code	Violet	Green	Yellow	Red	Orange	Orange
Proof Load (kN)	14.71	29.42	44.13	61.29	122.58	245.17
Adjustable Beam Width (mm)	64-203	88-203	100-305	114-305	124-305	136-305
Standard Lift (m)	3	3	3	3	3	3
Effort at Rated Capacity (N)	50	90	95	140	240	250
Minimum Radius of Curve (m)	1.0	1.1	1.3	1.4	2.0	3.5
A (mm) (Overall Width)	338	349	464	476	510	600
B (mm) (Length)	246	276	332	377	424	555
C (mm)	222	263	309	353	396	498
D (mm)	40	52	58	64	64	75
E (mm)	38	38	40	42	45	58
F (mm)	1.5 - 3	1.5 - 3	1.5 - 3	2 - 3.5	2 - 3.5	2 - 3.5
G (mm)	30	36	42	48	48	55
H (mm) (Headroom)	125	150	171	186	190	233
I (mm) (Flange Dia.)	95	108	131	144	176	226
J (mm)	68	80	100	110	136	175
L1 (mm)	120	132	155	168	200	272
L2 (mm)	23	26	29	35	52	78
L3 (mm)	8	8	10	10	25	58
Net Weight (kg)	14.5	21.5	31	46	75	172

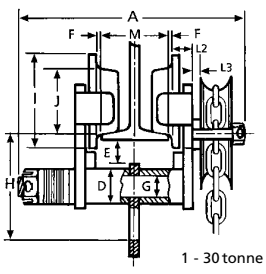
Beaver Push & Geared Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.



1 - 5 tonne



10 - 30 tonne



1 - 30 tonne

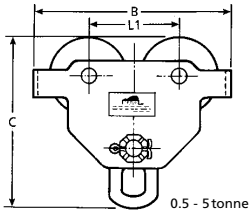


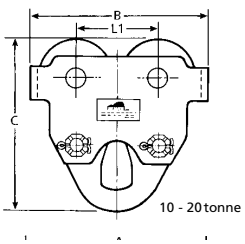
BEAVER PUSH GIRDER TROLLEYS

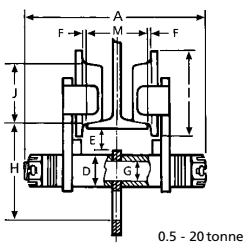
Complies to AS 1418.2 and approved Colour Coded to Match International Lifting Standard

Product Code	522005S	522010S	522020S	522030S	522050S
Rated Capacity	500 kg	1 tonne	2 tonne	3 tonne	5 tonne
Colour Code	White	Violet	Green	Yellow	Red
Proof Load (kN)	7.35	14.71	29.42	44.13	61.29
Adjustable Beam Width (mm)	50-152	64-203	88-203	100-305	114-305
Minimum Radius of Curve (m)	0.8	1	1.1	1.3	1.4
A (mm) (Overall Width)	245	311	327	445	457
B (mm) (Length)	199	246	276	332	377
C (mm)	187	222	263	309	353
D (mm)	34	40	52	58	64
E (mm)	30	38	38	40	42
F (mm)	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3	2 - 3.5
G (mm)	24	30	36	42	48
H (mm) (Headroom)	105	125	150	171	196
I (mm) (Flange Dia.)	79	95	108	131	144
J (mm)	55	68	80	100	110
L1 (mm)	100	120	132	155	168
Net Weight (kg)	6.5	10.5	17.5	27	41

Beaver Push & Geared Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.









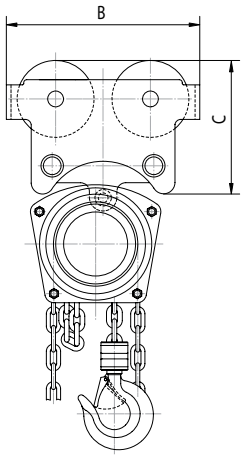
BEAVER PUSH AND GEARED GIRDER TROLLEYS (CONT'D)

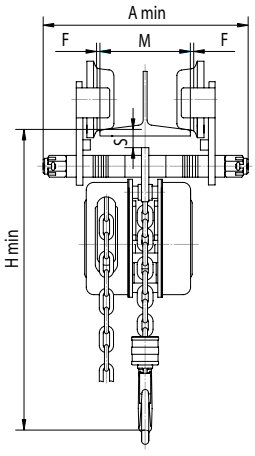
BEAVER CLOSE HEADROOM PUSH GIRDER TROLLEYS

(to suit 3S chain blocks) Complies to AS 1418.2

Product Code	522005SC	522010SC	522020SC	522030SC	522050SC
Rated Capacity	500 kg	1 tonne	2 tonne	3 tonne	5 tonne
Colour Code	White	Violet	Green	Yellow	Red
Proof Load (kN)	7.35	14.71	29.42	44.13	61.29
Adjustable Beam Width (mm)	50-152	64-203	88-203	100-305	114-305
Minimum Radius of Curve (m)	0.8	0.9	1	1.2	1.3
A (mm) (Overall Width)	236	303	317	435	457
B (mm) (Length)	199	246	276	332	377
C (mm)	31.5	164	183	224	246
H (mm)	300	385	480	520	640
S (mm)	30	38	38	40	42
F (mm)	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3
M (mm)	50-152	64-203	88-203	100-305	114-305
Net Weight (kg)	14	23.5	39	59.5	89

Beaver Push & Geared Close Coupled Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.





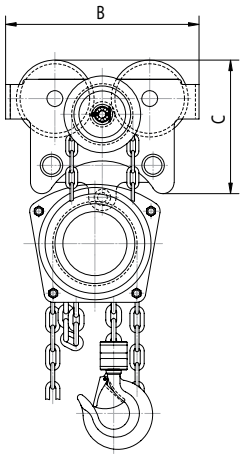


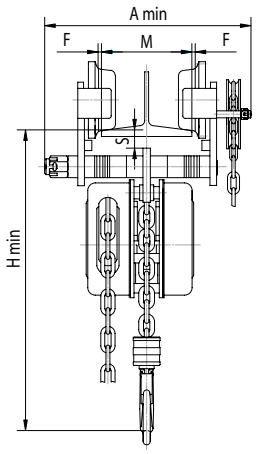
BEAVER CLOSE HEADROOM GEARED GIRDER TROLLEYS

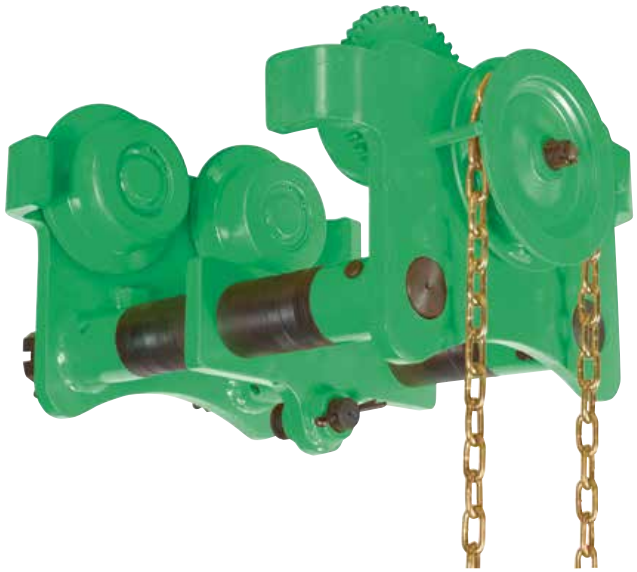
(to suit 3S chain blocks) Complies to AS 1418.2

Product Code	523010SC	523020SC	523030SC
Rated Capacity	1 tonne	2 tonne	3 tonne
Colour Code	Violet	Green	Yellow
Proof Load (kN)	14.71	29.42	44.13
Running Height	2.5	2.5	2.5
Chain Pull (full load) (kg)	50	90	95
Adjustable Beam Width (mm)	64-203	88-203	100-305
Minimum Radius of Curve (m)	0.9	1	1.2
A (mm) (Overall Width)	334	343	459
B (mm) (Length)	246	276	332
C (mm)	164	183	224
H (mm)	385	480	520
S (mm)	38	38	40
F (mm)	1.5 - 3	1.5 - 3	1.5 - 3
M (mm)	64-203	88-203	100-305
Net Weight (kg)	27.5	43	63.5

Beaver Push & Geared Close Coupled Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.



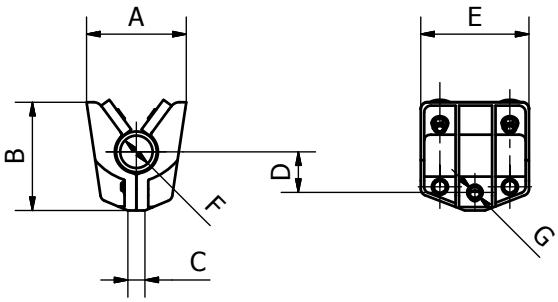


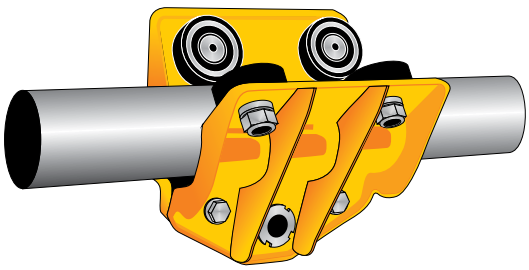


BEAVER PIPE TROLLEY

BEAVER PIPE TROLLEY

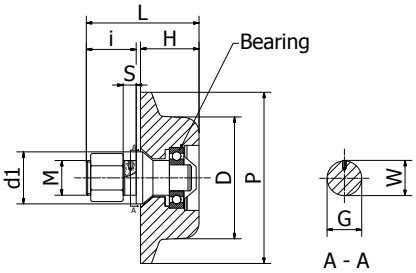
Code	Capacity WLL (kg)	Pipe Dia.	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight (kg)	UOM
522003PT	300	60	147.5	160	22	68	160	60	17	2.5	Each





BEAVER SINGLE FLANGE STEEL PLAIN TROLLEY WHEELS

Code	Capacity WLL (kg)	L mm	H mm	i mm	S mm	d1 mm	M mm	D mm	P mm	G mm	W mm	Weight (kg)	UOM
525005S	0.5	52.5	27	23	6	24	16	55	79	16	17.6	1.8	Each
525010S	1	60	30	27	8	27	18	68	95	19	20.6	2	Each
525020S	2	72	34	34	10	35	24	80	108	25	27	2.8	Each
525030S	3	83	39	41	12	42	30	100	131	35	32	4	Each
525050S	5	102	50	49	16	45	36	110	144	35	38.5	4.8	Each
525100S	10	129.5	58	68	30	60	42	136	176	48	52	6.2	Each

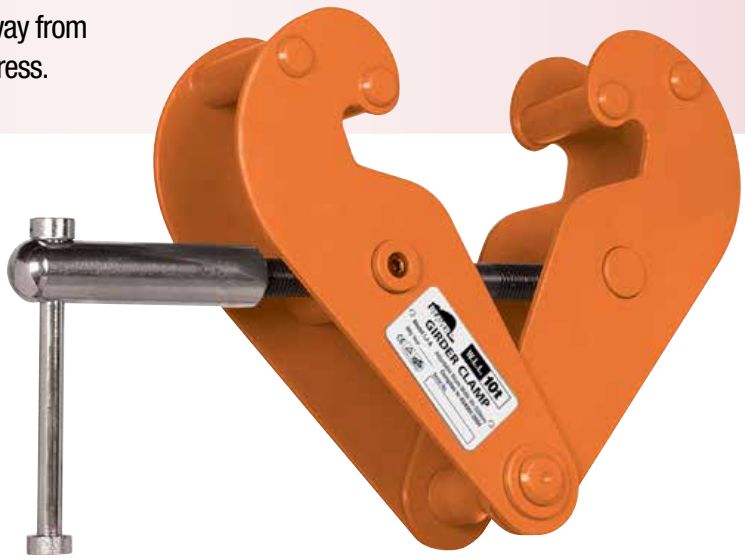




BEAVER GIRDER CLAMPS

Beaver are proud to introduce our range of colour coded Girder Clamps, giving instant recognition to the user of the clamp capacity. Designed to provide a quick and versatile point for all your lifting, rigging and hoisting needs.

- The Girder Clamps are colour coded for even safer lifting capacity recognition.
- The threaded adjustment mechanism easily attaches to the beam or girder flange to provide a safe and secure grip.
- Additional security is provided by threaded adjustment screws secured by using the counter-sunk allen head screw to lock the threaded adjustment bar in position with a copper flat.
- Easy and simple mounting for permanent or temporary mounting in different locations.
- Adjustable to fit a wide range of flange widths and beams.
- Special clamp jaw design applies load away from the edge of the flange, reducing flange stress.
- Built-in load bar provides reduced headroom.
- Robust all steel construction.
- Every Beaver Girder Clamp has an individual serial number stamped on the body of the clamp and also on the stainless steel identification plate. This number coincides directly to the test certificate of the product for quick and easy tracing and reference.
- All Beaver Girder Clamps are operationally tested to 150% of the Working Load Limit (WLL) and come with individual test certificates.
- Complies to AS 4991



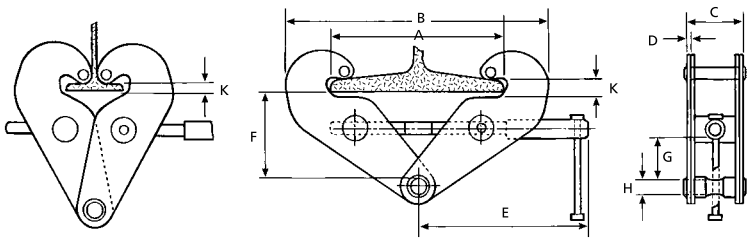
BEAVER GIRDER CLAMPS (CONT'D)

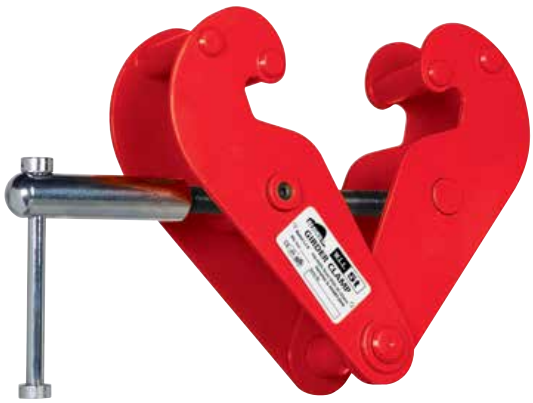
BEAVER GIRDER CLAMPS - MODEL TYPE: YC - INDUSTRIAL

Complies to AS 4991 and approved Colour Coded to Match International Lifting Standard

Product Code		270010Y	270020Y	270030Y	270050Y	270100Y
Working Load Limit (kg)		1000	2000	3000	5000	10000
Colour Code		Violet	Green	Yellow	Red	Orange
Adjustable Beam Width (mm)		75 - 230	75 - 230	80 - 320	90 - 320	90 - 320
Net Weight (kg)		3.8	4.6	9.2	11.0	17.2
A max. (mm)		246	246	320	320	320
B	min. (mm)	186	186	232	242	268
	max. (mm)	350	350	455	455	480
C		66	74	102	110	118
D		4	6	8	10	12
E		215	215	255	255	275
F	min. (mm)	90	90	143	145	133
	max. (mm)	133	133	195	195	185
G min.		44	44	75	75	66
H		20	20	22	28	38
K	min. (mm)	14	14	30	30	34
	max. (mm)	21	21	34	34	35

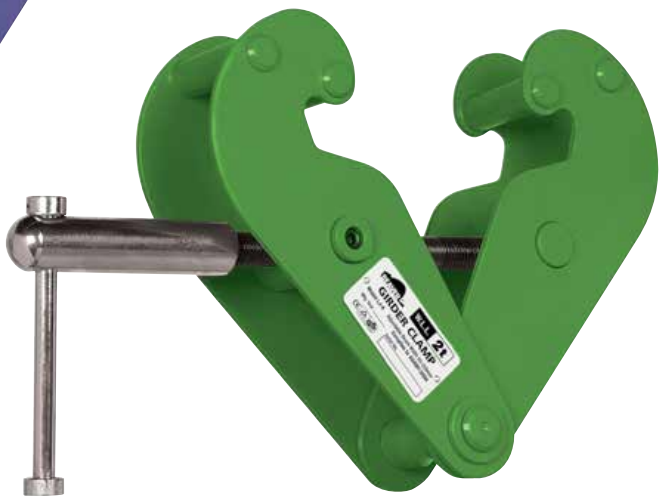
Beaver Push & Geared Close Coupled Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.

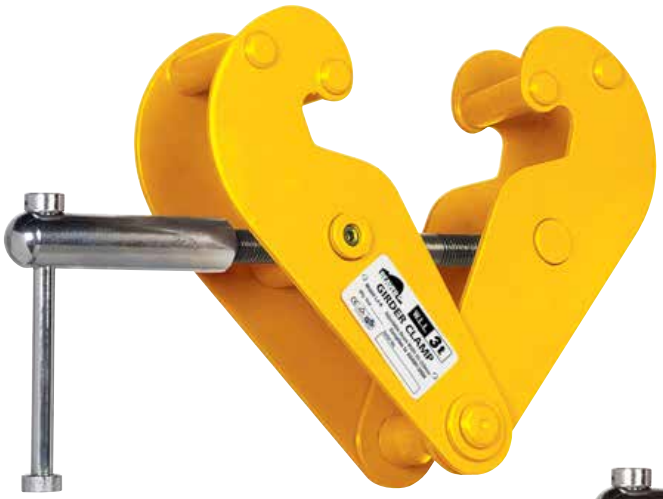


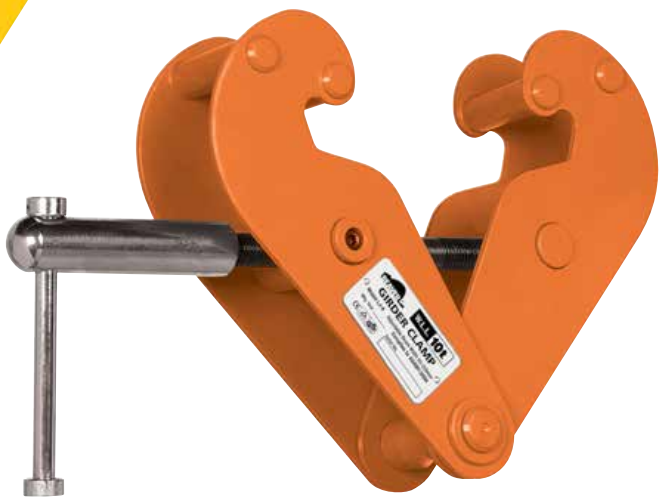


MATERIALS HANDLING









BEAVER GIRDER CLAMPS (CONT'D)

Beaver Integral Push Trolley and Girder Clamp

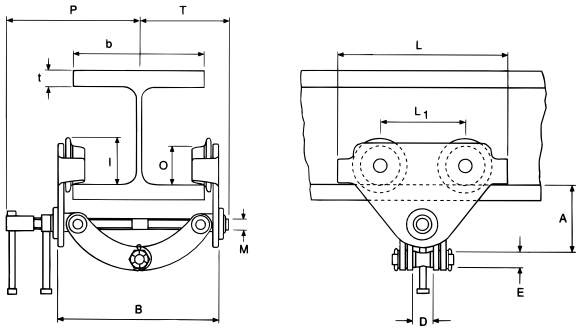
The Beaver Integral Push Trolley and Girder Clamp is designed to provide a quick and easy attachment to overhead beams for transporting loads for permanent or temporary mounting in different locations. The integral clamp is adjustable to the beam width in the same manner as the Beaver Girder Clamp (model YC), by rotating the threaded spindle. Complies to AS 1418.2.

- For additional safety the threaded adjustment mechanism is secured by tightening the locking lever against the sideplate.
- Threaded spindle mechanism, zinc plated for superior corrosion protection.
- Easily adjustable to suit a wide range of flange widths and beams from 75mm to 200mm.
- Robust steel construction with durable enamel paint finish in yellow for YT and black for YTE models.
- Built-in load bar for reduced headroom.
- Every Beaver Integral Push Trolley and Girder Clamp has an individual serial number stamped on the body of the clamp and also onto the aluminium identification plate which is securely mounted to the trolley side plate. This number coincides directly to the test certificate of the product for quick and easy tracing and reference.
- All Beaver Integral Push Trolley and Girder Clamps are operationally tested to 150% of the rated capacity and come with individual test certificates.

BEAVER INTEGRAL PUSH TROLLEY AND GIRDER CLAMPS

Yellow Powder Coated Model Type:
YT Complies to AS 1418.2

Product Code	270010YT	270020YT	270030YT
WLL (kg)	1000	2000	3000
Beam Width (mm)	75-200	75-200	75-200
A (mm)	80-152	106-155	128-171
D (mm)	42	42	50
E (mm)	20	20	22
I (mm)	71.5	71.5	95.5
L (mm)	260	260	310
L1 (mm)	130	130	150
M (mm)	M16	M18	M24
O (mm)	60	60	60
P (mm)	195	205	220
T (mm)	155	139	155
t (mm)	25	25	25
Net Weight (kg)	9.40	9.90	17.50



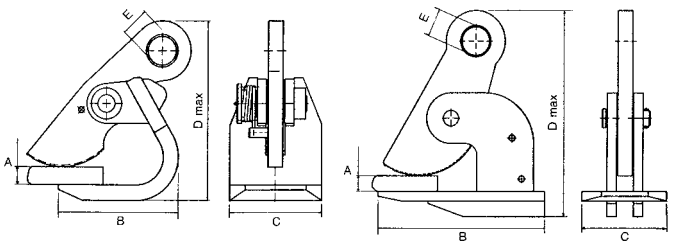


BEAVER HORIZONTAL & VERTICAL PLATE CLAMPS

BEAVER HORIZONTAL PLATE CLAMPS

Model Type: CQ Complies to AS 4991

Product Code	WLL per pair (kg)	Jaw Openings Max. mm	A mm	B Max. mm	C mm	D mm	E mm	Net Weight per pair (kg)
250150A	1500	50	0-50	127	100	218	30	8.2
250300A	3000	50	0-50	220	110	270	36	15
250500A	5000	60	0-60	260	130	315	40	27.6

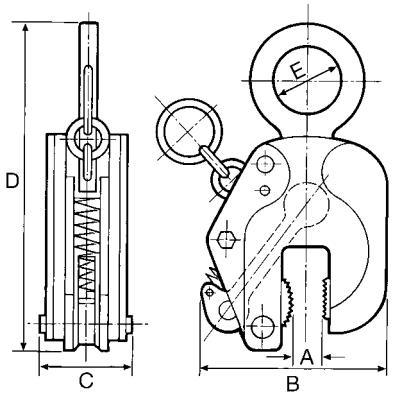




BEAVER VERTICAL PLATE CLAMPS

Model Type: VC Complies to AS 4991

Product Code	WLL (kg)	A Jaw Openings mm	B mm	C mm	D mm	E mm	Net Weight per pair (kg)
261130	1000	0-30	144	70	286	60	3.6
261240	2000	0-40	170	82.5	297	60	5
261350	3000	0-50	207	88	336	60	7.7



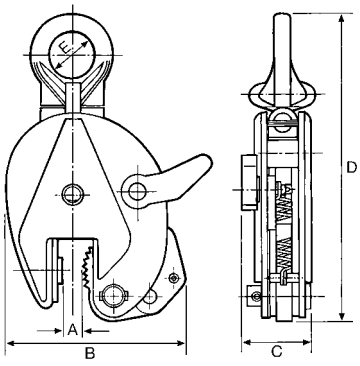


BEAVER MATERIALS HANDLING

BEAVER UNIVERSAL PLATE CLAMPS

Model Type: UC Complies to AS 4991

Product Code	WLL (kg)	A Jaw Openings mm	B mm	C mm	D mm	E mm	Net Weight (kg)	UOM
261050	500	0 - 15	105	45	218	30	2	Each
261075	750	0 - 15	105	45	218	30	2	Each
261100	1000	0 - 20	145	63	305	48	5	Each
261200	2000	0 - 25	175	68	368	68	7.5	Each
268300	3000	0 - 28	218	90	395	74	15.5	Each
268500	5000	0 - 32	268	120	478	80	22	Each

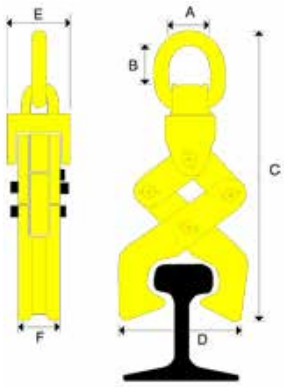




RAILWAY LINE LIFTING TONGS

Product Code	WLL (kg)	Weight (Kg)	A mm	B mm	C mm	D mm	E mm	F mm	UOM
263150R	3000	8.8	48	46	370	150	105	50	Each

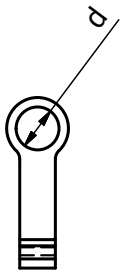


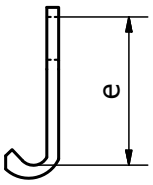


BEAVER DRUM HOOKS - DROP FORGED GRADE 80 HEAT TREATED, PAINTED YELLOW

Complies to AS 3776 for Grade 80 Fittings

Product Code	WLL per pair (kg)	Grade 80 Chain mm	d mm	e mm	Net Weight per Pair (kg)	UOM
886840	2000	40397	40	165	1.8	Each





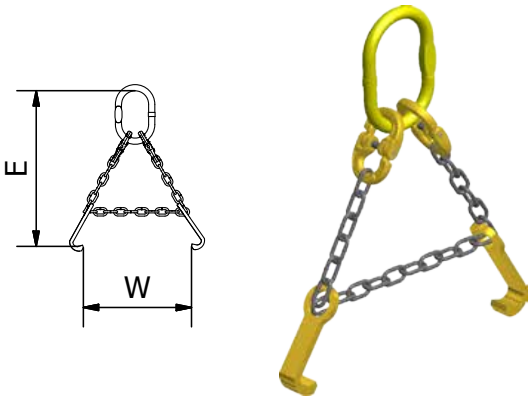


BEAVER MATERIALS HANDLING (CONT'D)

DRUM LIFTING SLING ASSEMBLY

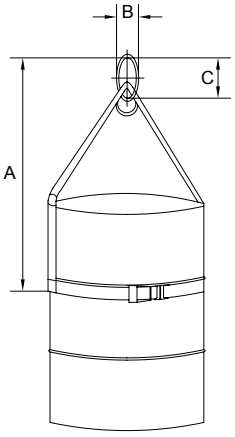
Including oblong link, chain connectors, grade 80 alloy chain & Drum hooks. Intended for use with steel 205 Litre (ie. 44 gallon) drums in accordance with the diagram as displayed complying to Australian Standard for Chain Slings

Product Code	WLL (kg)	Grade 80 Chain mm	Chain Length m	E mm	W Drum Size Ltr	Net Weight (kg)	UOM
263507K	1000	7	2.5	1139	200	4.5	Each



BEAVER DRUM LIFTING WEB SLING C/W OBLONG LINK

Product Code	WLL Tonne	Webbing mm	A mm	B mm	C mm	Net Weight (kg)	UOM
546001F	500	50	1100	65	110	2.8	Each

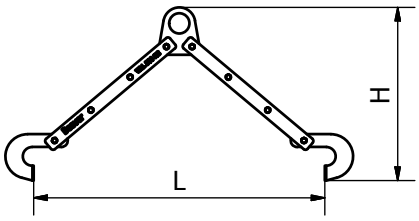




HORIZONTAL DRUM LIFTING CLAMPS

Complies to AS 4991

Product Code	WLL Tonne	Type	L Drum Size Ltr	H mm	Net Weight (kg)	UOM
261500	500	Horizontal	200	152	7	Each

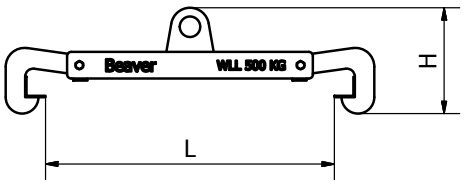




BEAVER VERTICAL DRUM LIFTING CLAMPS

Complies to AS 4991

Product Code	WLL Tonne	Type	L Drum Size Ltr	H mm	Net Weight (kg)	UOM
262500	500	Vertical	200	470	5	Each

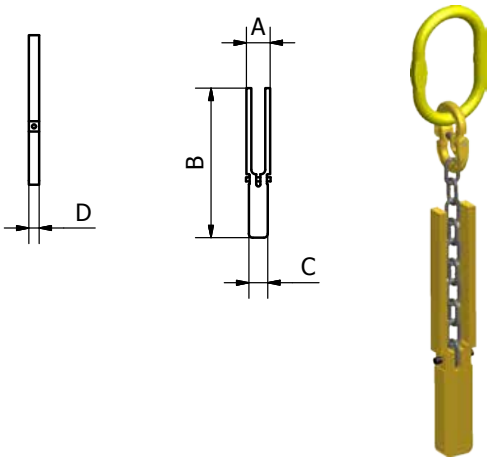




BEAVER MATERIALS HANDLING (CONT'D)

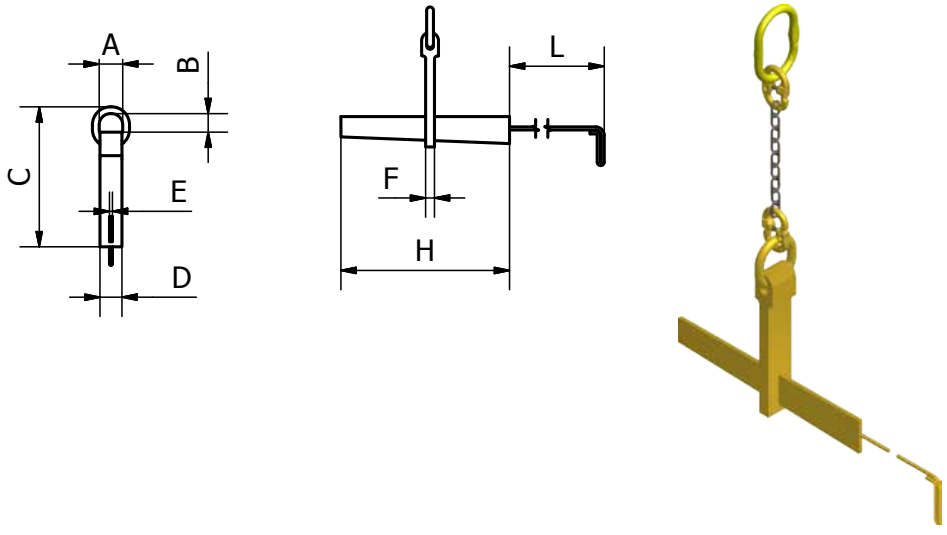
BEAVER PIPE LIFTERS 2 TONNE

Product Code	WLL Tonne	A mm	B mm	C mm	D mm	Net Weight (kg)	UOM
266020	2T	58	365	46	25	2	Each



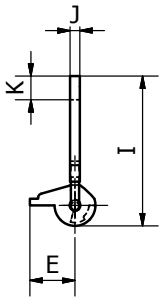
BEAVER PIPE LIFTERS 5 TONNE

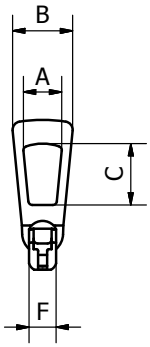
Product Code	WLL Tonne	A mm	B mm	C mm	D mm	E mm	F mm	H mm	L mm	Net Weight (kg)	UOM
266050	5T	70	70	405	65	9	26	500	1000	9	Each



BEAVER CONCRETE LIFTING CLUTCH

Product Code	WLL Tonne	A mm	B mm	C mm	F mm	J mm	K mm	E mm	I mm	Net Weight (kg)	UOM
260013	1.3T	47	79	68.5	34	14	22	55	162	1	Each
260025	2.5T	54	92	81.49	44	16	28	70	205	1.6	Each
260050	5.0T	69	122	84	58	20	40	85	237	3.4	Each
260100	10T	98	171	114	77	26	52	118	348	9.6	Each
260200	20T	116	196	150	110	35	74	155	441	21	Each
260320	32T	180	272	189	153	40	100	214	584	58	Each



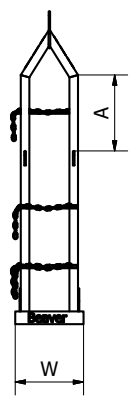


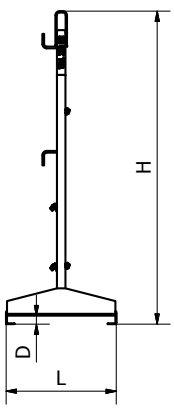


BEAVER OXYGEN / ACETYLENE GAS BOTTLE LIFTING FRAME

Easy lifting of gas bottles

Product Code	Capacity (kg)	H mm	W mm	L mm	A mm	D mm	Weight (kg)	UOM
263200F	200	1890	400	645	460	50	35	Each







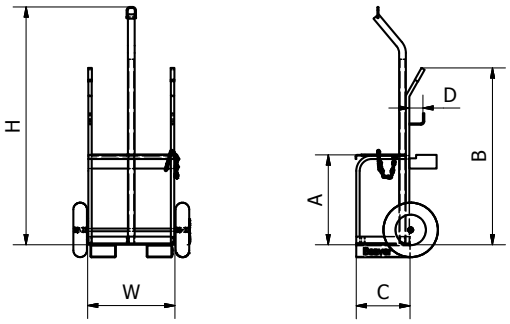
BEAVER MATERIALS HANDLING (CONT'D)

BEAVER OXYGEN / ACETYLENE GAS BOTTLE TROLLEY

Designed for use as a trolley, lifting frame or used with a forklift

Product Code	Capacity (kg)	H mm	B mm	W mm	C mm	A mm	D mm	Weight (kg)	UOM
263200T	200	1600	1280	635	394	644	100	76	Each





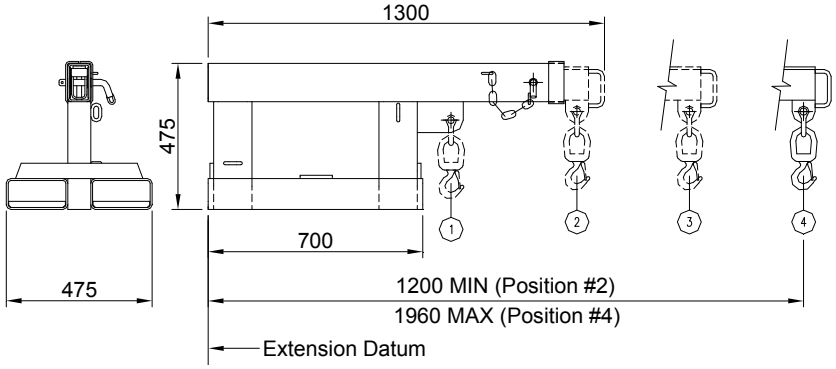
BEAVER SHORT EXTENDABLE FORKLIFT JIB 2.5T

Simple to fit and use. Safe and easy to adjust.

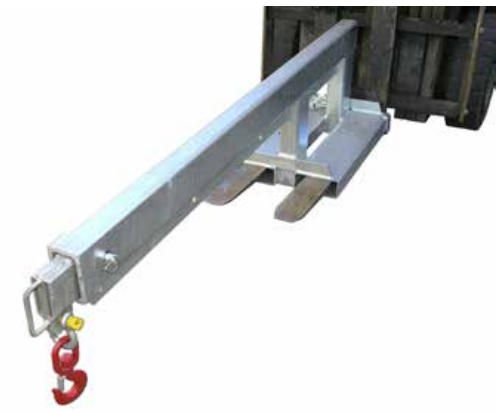
Product Code	Capacity (kg)	Fork Pocket Size mm	Fork Pocket Centres mm	Weight (kg)	UOM
262223	2500	185 x 65	275	100	Each



Working Load Limit (WLL) per position				
Position	1	2	3	4
Extension (mm)	790	1200	1580	1960
WLL (kg)	2500	1200	900	750



Other sizes and capacities available on request.



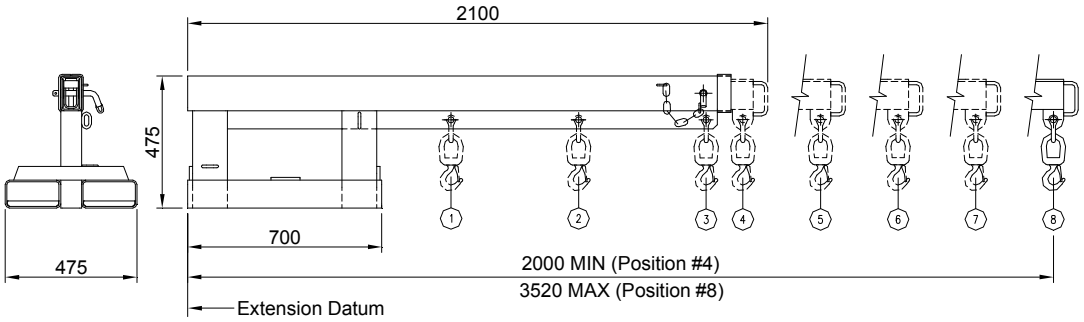
BEAVER LONG EXTENDABLE FORK JIB 2.5T

Simple to fit and use. Safe and easy to adjust.

Product Code	Capacity (kg)	Fork Pocket Size mm	Fork Pocket Centres mm	Weight (kg)	UOM
262223L	2500	185 x 65	275	130	Each

Working Load Limit (WLL) per position								
Position	1	2	3	4	5	6	7	8
Extension (mm)	950	1410	1870	2000	2380	2760	3140	3520
WLL (kg)	2500	2500	1900	1650	1250	650	380	240

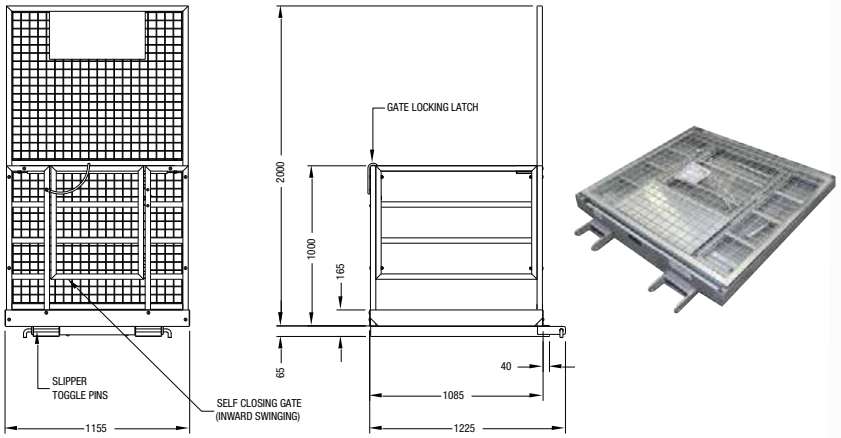
Other sizes and capacities available on request.



BEAVER WORK PLATFORM (FLAT PACK)

Complies to AS 4991

Product Code	Capacity (kg)	Load Centre mm	Fork Pocket Size mm	Fork Pocket Centres mm	Weight (kg)	UOM
263250	250	600	160 x 60	640	110	Each



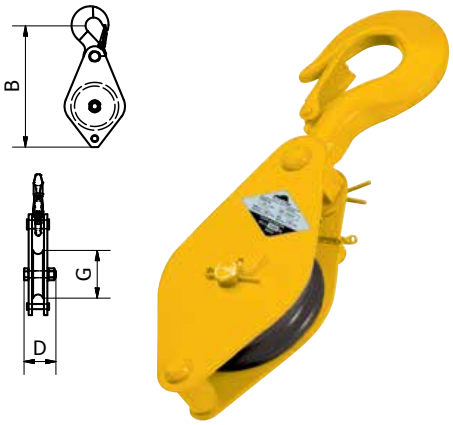


BEAVER MATERIALS HANDLING (CONT'D)

BEAVER SINGLE HAND OPERATED SHEAVE BLOCKS WITH SWIVEL HOOK

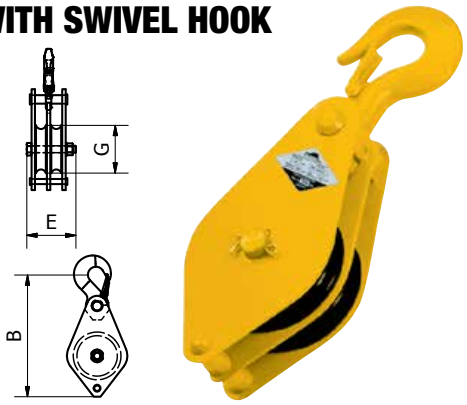
Designed for use on mobile, overhead and truck cranes

Product Code	G Sheave Dia. mm	Wire Dia. mm	Fibre Rope mm	B mm	D mm	WLL (kg)	UOM
550063	63	5	10	168	35	250	Each
550076	76	6	12	189	35	250	Each
550089	89	7	14	253	38	250	Each
550102	102	8	16	276	48	500	Each
550114	114	9	18	322	48	750	Each
550127	127	10	20	333	61	1000	Each
550152	152	12	24	380	71	1000	Each
550178	178	14	28	443	83	1500	Each
550203	203	16	32	500	94	2000	Each



BEAVER DOUBLE HAND OPERATED SHEAVE BLOCKS WITH SWIVEL HOOK

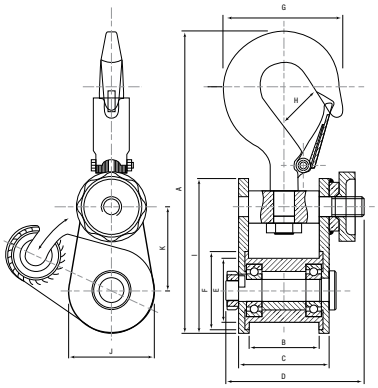
Product Code	G Sheave Dia. mm	Wire Dia. mm	Fibre Rope mm	B mm	E mm	WLL (kg)	UOM
551063	63	5	10	168	59	250	Each
551076	76	6	12	189	59	250	Each
551089	89	7	14	253	64	250	Each
551102	102	8	16	276	79	500	Each
551114	114	9	18	322	79	750	Each
551127	127	10	20	333	95	1000	Each
551152	152	12	24	380	107	1500	Each



BEAVER WEB SNATCH BLOCKS

Product Code	Sheave Dia. mm	Web Dia. mm	Weight kg	Dimensions - mm											WLL kg	UOM
				A	B	C	D	E	F	G	H	I	J	K		
557075	60	50-56	2.68	215	54.5	70.5	107.5	50	60	87	24	120	65	65	750	Each

- Thoroughly inspected and tested in accordance with AS 2089
- Special side design for easy web assembly
- Fully machined sheave
- All Beaver Web Snatch Blocks have an individual test serial number stamped on the identification plate
- Solid, all steel construction
- Roller bearing for easy movement





BEAVER HEAVY DUTY SNATCH BLOCKS

Beaver's range of Heavy Duty Snatch Blocks offer the best in innovation, safety, reliability and performance with applications for construction mining, offshore exploration and the building industry.

- Solid all-steel construction.
- Easy opening mechanism ensures a fast change of wire rope while block is suspended.
- Fully machined sheave.
- Sheave has a sealed ball bearing system,fully lubricated for maintenance free operation.
- Forged steel eye is designed to avoid twisting of unit during operation.
- Fitted with grease nipples for ease of maintenance.
- Special design of side plates restricts rope from jamming.
- Beaver Heavy Duty Snatch Blocks are operationally tested to 2 times the Working Load Limit (WLL) and come with an individual test certificate.
- Each unit is supplied complete with Grade 'S' safety bow shackle to Australian Standard AS 2741.
- All Beaver Heavy Duty Snatch Blocks have an individual test serial number stamped on the identification plate.
- Manufactured and tested to Australian Standard AS 2089 Appendix (I).

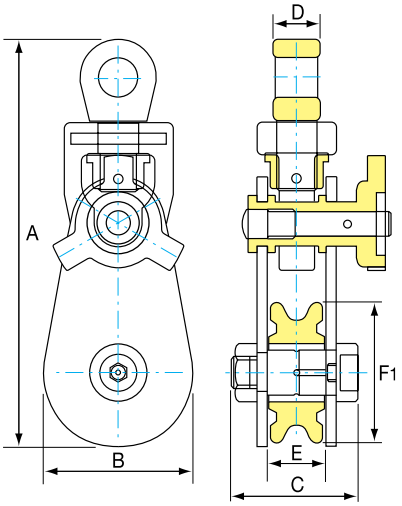


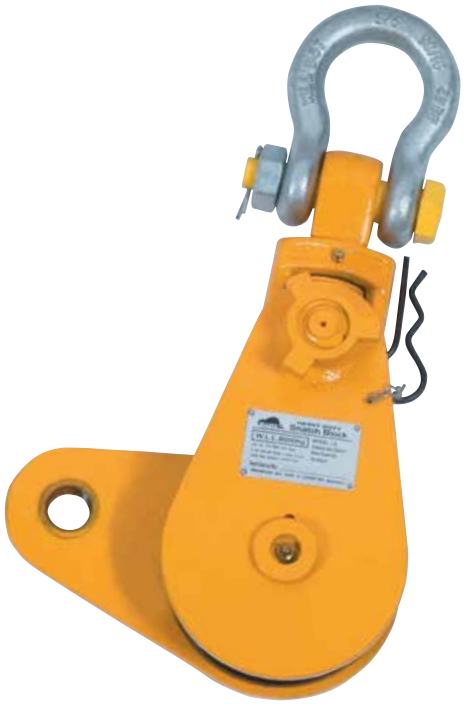
BEAVER HEAVY DUTY SNATCH BLOCKS (CONT'D)

BEAVER SUPER SNATCH BLOCKS

Heavy Duty Snatch Blocks Complies to AS 2089 C/W Grade 'S' Safety Bow Shackle. Shackle Complies to AS 2741

Product Code	WLL Tonne	Wire Rope Dia. mm	Sheave Dia. mm F1	Dimensions mm					Grade 'S' Safety Bow Shackle to AS 2741	Weight kg
				A	B	C	D	E		
557210S	4000	14	210	367	220	68	32	32	22 x 25mm	10.5
	3700	12								
557275S	8000	18	275	518	285	94	40	48	25 x 29mm	28.5
	6000	16								
557395S	12000	26	395	682	410	133.5	52	63.5	35 x 38mm	61
	12000	22								
557420S	15000	28	420	725	435	133.5	55	63.5	38 x 41mm	65
	15000	26								
557480S	22000	32	480	867	500	155	68	70	44 x 51mm	148
	20000	28								
557675S	30000	44	675	1146	700	173.5	82	90	51 x 57mm	250
557750S	50000	52	750	1435	780	235	100	105	63 x 70mm	592
	50000	48								

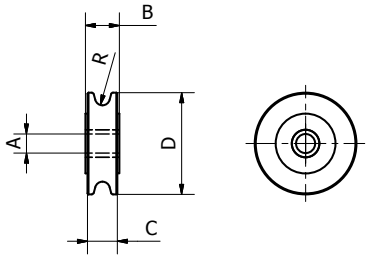




BEAVER HAND SHEAVES

BEAVER HAND SHEAVES TO SUIT FIBRE ROPE - RED

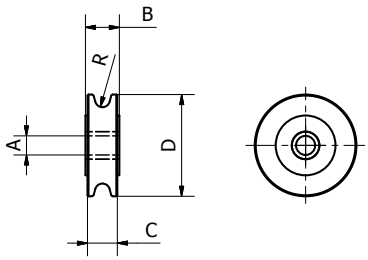
Product Code	D Sheave Dia. mm	R Wire Rope mm	A mm	B mm	C mm	WLL (kg)	UOM
558063	63	10	12.5	20.5	19.5	250	Each
558076	75	12	12.5	20.5	19.5	250	Each
558089	89	14	16	21	18	250	Each
558102	100	16	19	24.5	23	500	Each
558114	114	18	22	28	25	750	Each
558127	125	20	22	29.5	27	1000	Each
558152	150	24	25	32	30	1000	Each
558178	178	28	33	39	36	1500	Each
558203	200	32	35	46	44	2000	Each





BEAVER HAND SHEAVES TO SUIT WIRE ROPE - YELLOW

Product Code	D Sheave Dia. mm	R Wire Rope mm	A mm	B mm	C mm	WLL (kg)	UOM
558063W	63	5	12.5	20.5	19.5	250	Each
558076W	75	6	12.5	20.5	19.5	250	Each
558089W	89	7	16	21	18	250	Each
558102W	102	8	20	28	25	500	Each
558114W	114	9	22	28	25	750	Each
558127W	125	10	22	29.5	27	1000	Each
558152W	150	12	25	32	30	1000	Each
558178W	178	14	30	39	36	1500	Each
558203W	200	16	35	46	44	2000	Each



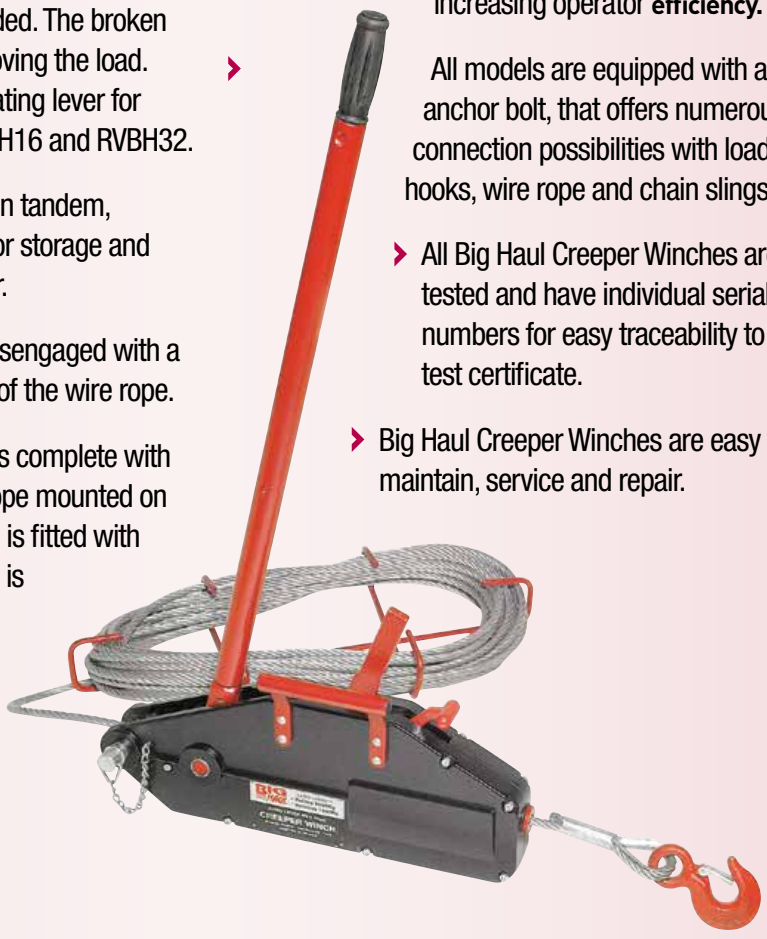


BEAVER WIRE ROPE HOISTS

A versatile portable and compact creeper winch for pulling, lifting, lowering, spanning, 4WD recovery and securing loads over large distances. Complies to AS 1418.2

- Lightweight, safe and easy to operate.
- Compact, high strength aluminium alloy housing with smooth contour design, a large flat base surface for increased stability in horizontal and vertical working positions.
- An overload protection system is built-in with a shear pin in the forward lever which will shear when approximately 25% overloaded. The broken pins can be replaced without removing the load. Spare pins are located in the operating lever for RVBH08 and in the handle for RVBH16 and RVBH32.
- Forward and reverse lever placed in tandem, providing a slim compact design for storage and ensuring maximum power transfer.
- The rope clamp system is easily disengaged with a lever, allowing smooth installation of the wire rope.
- The Big Haul Creeper Winch comes complete with operating lever and 20m of wire rope mounted on a reel for all models. The wire rope is fitted with a safety latch hook at one end and is tapered at the other end for easy insertion into the unit.
- The Big Haul Creeper Winch has a parallel clamping system, which has a large surface contact area, providing an evenly distributed grip at a lower force that results in less rope wear.

  The system offers a longer rope advance and requires less handle pulling effort, thus increasing operator **efficiency.**
- All models are equipped with an anchor bolt, that offers numerous connection possibilities with load hooks, wire rope and chain slings.
- All Big Haul Creeper Winches are tested and have individual serial numbers for easy traceability to a test certificate.
- Big Haul Creeper Winches are easy to maintain, service and repair.

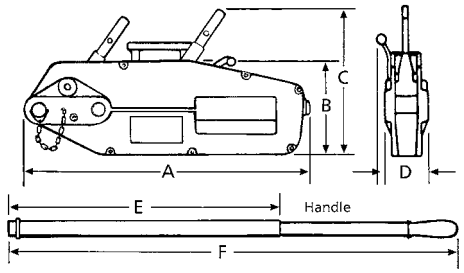


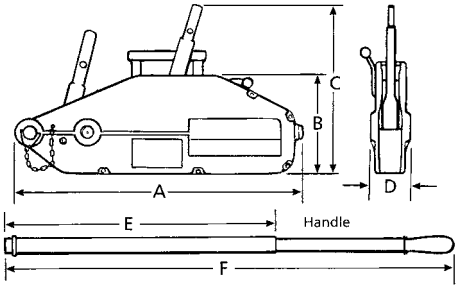
BIG HAUL HAND WINCH™

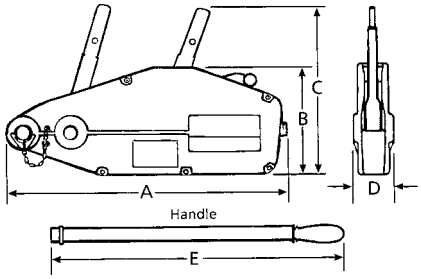
BEAVER BIGHAUL™ WIRE ROPE HOISTS

Model BigHaul -C/w 20m of Wire Rope. Complies to AS 1418.2 Compact High Strength Aluminium Alloy Housing

Product 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





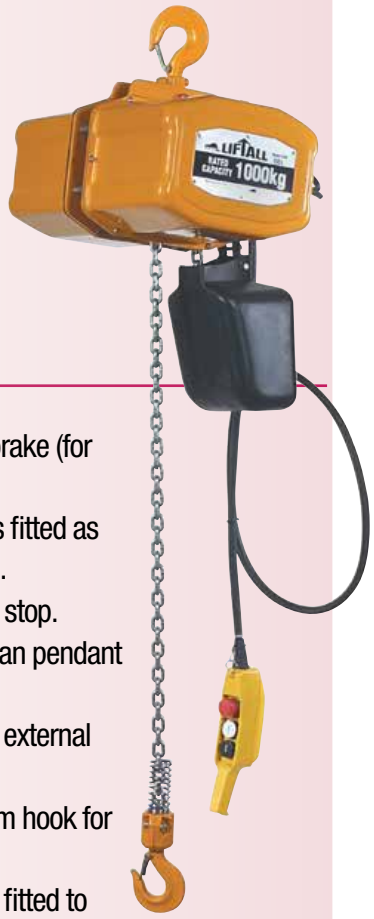





LIFTALL
Electric Girder Trolley
2
LIFTALL
RATED CAPACITY 2000kg

BEAVER LIFTALL ELECTRIC CHAIN HOISTS AND TROLLEYS

A cost efficient and robust hoist, the Beaver LIFTALL Electric Chain Hoists and Trolleys are the first choice when you need to lift heavy loads to a budget. The all steel construction ensures durability and strength, also having plated European load chain you know the most important component won't let you down. Beaver have invested time and money on research and development to guarantee the Beaver LIFTALL Electric chain hoists and trolleys will give you the trouble free service you demand.



- Models available in single phase 240 volts X 50Hz and 3 phase 415 volts X 50Hz.
- Capacities from 500 kg to 3000 kg in both single and 3 phase.
- Powder coated finish.
- Grade T(80) Zinc Plated, calibrated European load chain for increased resistance against corrosion and wear.
- Standard lifts of 3 and 6 metres. Custom lifts are available on request.
- Chain inspection gauge supplied with every hoist in order to self evaluate wear and tear on load chain.
- 5 pocket precision machined load aprocket for smooth action.
- Reduction gear box is totally sealed, grease filled design ensuring that all components remain lubricated.
- Zinc Plated travel limiting springs.
- Overload clutch to prevent damage from overloading.
- European electric controls (contactors and switch gear).
- IP54 Protection on electric hoist for dust and water proof protection.
- Thermal protection on hoist motor.
- Heavy duty asbestos free DC brake (for fast actuation).
- Upper and lower limit switches fitted as standard to prevent over travel.
- Contactor isolation emergency stop.
- 24 Volt control via IP65 European pendant for increased safety.
- Pendant control suspended by external wire rope (Strained Wire).
- Sealed swivel bearing in bottom hook for 360° operation.
- Heavy duty cast safety latches fitted to Top and bottom hook on all models.
- High duty cycle (up to 40% ED on 3 phase models).
- Chain containers on all hoists.
- Comprehensive instruction manual, including wiring diagrams and parts breakdown, supplied with every hoist.
- Test Certificate supplied with every hoist confirming that it is tested to AS 1418.2
- Radio controls and special options available on request.
- Electric trolley model type: available to suit a wide range of beam widths.

BEAVER LIFTALL ELECTRIC CHAIN HOISTS AND TROLLEYS (CONT'D)

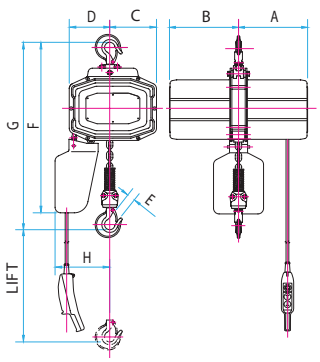
BEAVER LIFTALL ELECTRIC HOISTS

Model Type: BEL-1. 240 volt 50Hz (Single Phase Models) Complies to AS 1418.2

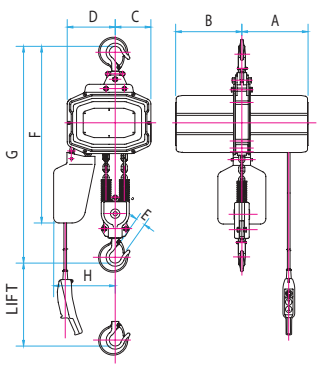
Product Code	Rated Capacity (kg)	Lift Height m	Lifting Speed m/min 50Hz	Hoist Motor Single Phase			Load Chain		Test	Min. Headroom G mm Max.	Min. Weight (kg) Approx.	Std Pendant Length m
				Output (kw) 50Hz	Ins Class	% ED	Dia. mm	No. of falls	Load Tonne			
BEL1053S	500	3	5	0.6	E	40	7.0	1	0.625	545	64	2
BEL1056S	500	6	5	0.6	E	40	7.0	1	0.625	545	68	5
BEL1103S	1000	3	5	1.2	E	40	7.0	1	1.25	595	65	2
BEL1106S	1000	6	5	1.2	E	40	7.0	1	1.25	595	69	5
BEL1203SD	2000	3	2.5	1.2	E	40	7.0	2	2.5	700	72	2
BEL1206SD	2000	6	2.5	1.2	E	40	7.0	2	2.5	700	79	5
BEL1303ST	3000	3	1.3	1.2	E	40	7.0	3	3.75	790	80	2
BEL1306ST	3000	6	1.3	1.2	E	40	7.0	3	3.75	790	90	5

Product Code	Rated Capacity (kg)	Major Dimensions Approx. mm						
		A	B	C	D	E	F	H
BEL1053S	500	249	249	168	146	25	565	195
BEL1056S	500	249	249	168	146	25	565	195
BEL1103S	1000	249	249	168	146	30	614	195
BEL1106S	1000	249	249	168	146	30	614	195
BEL1203SD	2000	249	249	180	134	33	665	235
BEL1206SD	2000	249	249	180	134	33	665	235
BEL1303ST	3000	249	249	180	134	41	760	360
BEL1306ST	3000	249	249	180	134	41	760	360

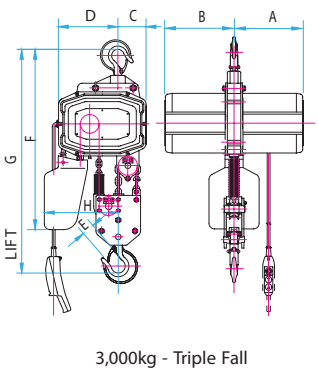
Longer lift heights are available on request. Pendant length is 1 metre less than lift height (as Standard).
All hoists supplied with top suspension hook. IP 54 rating on all hoists.



500kg & 1,000kg - Single Fall



2,000kg - Double Fall



3,000kg - Triple Fall

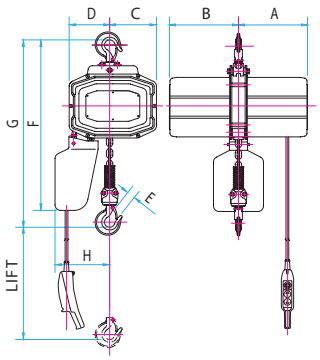
BEAVER LIFTALL ELECTRIC HOISTS

Model Type: BEL. 415volt 50Hz (Three Phase Models) Complies to AS 1418.2

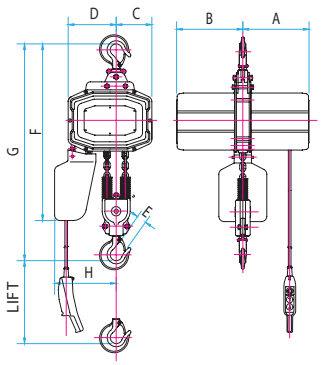
Product Code	Rated Capacity (kg)	Lift Height m	Lifting Speed m/min 50Hz	Hoist Motor Single Phase			Load Chain		Test	Min. Headroom G mm Max.	Min. Weight (kg) Approx.	Std Pendant Length m
				Output (kw) 50Hz	Ins Class	% ED	Dia. mm	No. of falls	Load Tonne			
BEL2053S	500	3	6.3	0.8	F	40	7.0	1	0.625	545	64	2
BEL2056S	500	6	6.3	0.8	F	40	7.0	1	0.625	545	68	5
BEL2103S	1000	3	6.3	1.6	F	40	7.0	1	1.25	595	65	2
BEL2106S	1000	6	6.3	1.6	F	40	7.0	1	1.25	595	69	5
BEL2203SD	2000	3	3.2	1.6	F	40	7.0	2	2.5	700	72	2
BEL2206SD	2000	6	3.2	1.6	F	40	7.0	2	2.5	700	79	5
BEL2303ST	3000	3	2.1	1.6	F	40	7.0	3	3.75	790	80	2
BEL2306ST	3000	6	2.1	1.6	F	40	7.0	3	3.75	790	90	5

Product Code	Rated Capacity (kg)	Major Dimensions Approx. mm						
		A	B	C	D	E	F	H
BEL2053S	500	249	249	168	146	25	565	195
BEL2056S	500	249	249	168	146	25	565	195
BEL2103S	1000	249	249	168	146	30	614	195
BEL2106S	1000	249	249	168	146	30	614	195
BEL2203SD	2000	249	249	180	134	33	665	235
BEL2206SD	2000	249	249	180	134	33	665	235
BEL2303ST	3000	249	249	180	134	41	760	360
BEL2306ST	3000	249	249	180	134	41	760	360

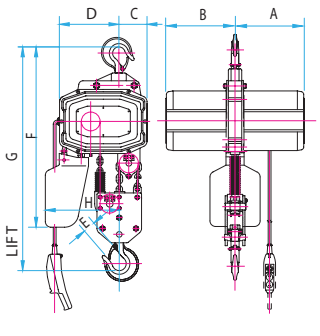
Longer lift heights are available on request. Pendant length is 1 metre less than lift height (as Standard).
All hoists supplied with top suspension hook. IP 54 rating on all hoists.



500kg & 1,000kg - Single Fall



2,000kg - Double Fall



3,000kg - Triple Fall

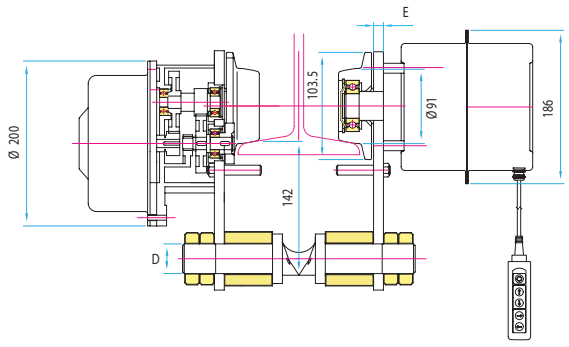
BEAVER LIFTALL ELECTRIC CHAIN HOISTS AND TROLLEYS (CONT'D)

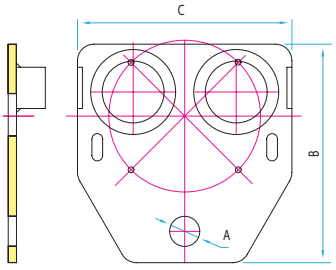
BEAVER LIFTALL ELECTRIC TROLLEYS

Model Type: BET. 415 volt 50Hz (Three Phase Model)

Product Code	Rated Capacity (kg)	Beam Width mm	A mm	B mm	C mm	D mm	E mm	Running Speed m/min	INS Class	% ED	Net Weight (kg)
BET1000	1000	75 - 180	27.5	265	260	27	10	20	B	20	34
BET2000	2000	75 - 180	36.5	265	260	36	10	20	B	20	35
BET3000	3000	75 - 180	42.5	265	260	42	12	15	B	20	37



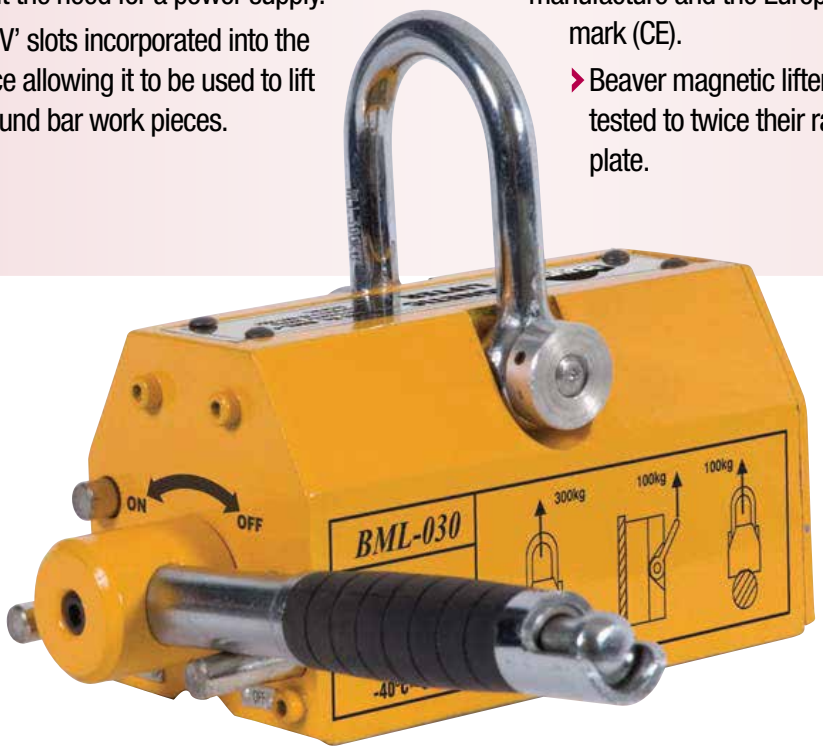




BEAVER PERMANENT MAGNET LIFTER

The Beaver Permanent Magnetic Lifter is a product for lifting and handling steel plate, pipes, beams and cylindrical work pieces of ferromagnetic materials. Beaver Magnetic Lifters contain a NdFeB permanent magnet, which can generate high holding-power in a magnetic circuit. With the use of a magnetic lifter the need for slings, clamps and special lifting frames can be eliminated. They are compact in design and construction, convenient in operation with a strong holding force, are safe and reliable. These magnetic lifters are widely used for lifting and hoisting in factories, warehouses, on wharves and at transport facilities.

- Due to the high magnetic properties of the magnetic lifter the relevant size of the unit is smaller compared to other products with the same lifting capacity.
- As the magnetic lifter is not electrically operated, accidents due to sudden power failure are avoided, the magnetic lifter can also be used outdoors or on site without the need for a power supply.
- There are 'V' slots incorporated into the holding face allowing it to be used to lift pipes or round bar work pieces.
- The special safety locking mechanism on the handle prevents the magnetic lifter from accidentally being released.
- The magnetic lifter comes complete with a rated shackle that is stamped with the Working Load Limit (WLL); Test No.; Serial No.; Month and Year of manufacture and the European standard compliance mark (CE).
- Beaver magnetic lifters are individually proof tested to twice their rated capacity for flat steel plate.

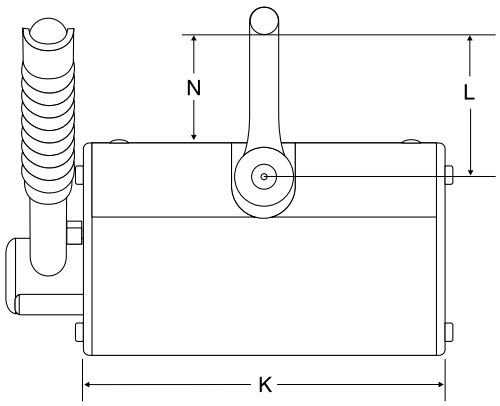


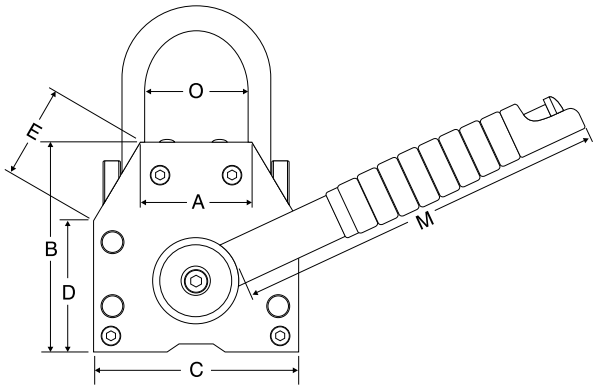
BEAVER PERMANENT MAGNET LIFTER (CONT'D)

BEAVER PERMANENT MAGNET LIFTERS

Complies to AS 4991

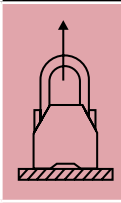
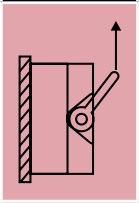
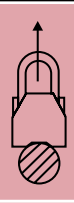
Product Code	Model Number	Rated Capacity Flat Plate WLL (kg)	Rated Capacity Cylinder WLL (kg)	Weight (kg)	A mm	B mm	C mm	D mm	E mm	K mm	L mm	M mm	N mm	O mm	Max Handle Turning Force
262010	BML-010	100	30	3	28	68	62	44	28	92	50	116	42	31	<4
262030	BML-030	300	100	10	44	93	92	59	39	164	75	142	59	46	<8
262060	BML-060	600	200	24	56	118	122	70	44	234	110	178	87	58	<8
262100	BML-100	1000	300	50	88	164	172	100	68	264	137	237	110	95	<16
262200	BML-200	2000	600	125	115	214	230	135	98	380	192	397	150	117	<16







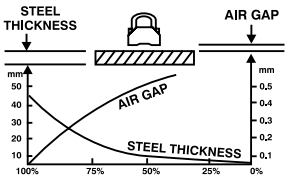
Rated Lifting Capacities

Model	Beaver Code	Horizontal	Vertical	Cylindrical
				
BML-010	262010	100kg	30kg	30kg
BML-030	262030	300kg	100kg	100kg
BML-060	262060	600kg	200kg	200kg
BML-100	262100	1 tonne	300kg	300kg
BML-200	262200	2 tonne	600kg	600kg

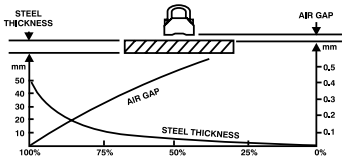
Working temperature -40°C to 80°C

WARNING *The above table is based ferrous steel and must be read in conjunction with Steel Thickness and Air Gap Charts opposite.*

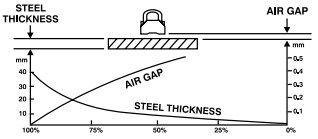
STEEL THICKNESS AND AIR GAP CHARTS



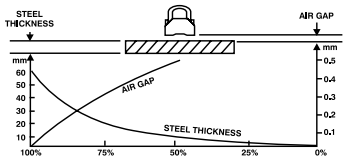
BML-010 Rated Capacity 100kg



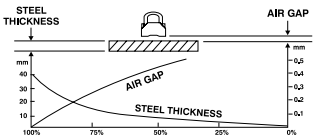
BML-100 Rated Capacity 1 tonne



BML-030 Rated Capacity 300kg



BML-200 Rated Capacity 2 tonne



BML-060 Rated Capacity 300kg

WARNING

The above charts are based on flat ferrous steel plate lifted horizontally.



BEAVER ELECTRIC WINCHES

BEAVER PULL LIFT WINCH

- **POWER TRANSMISSION**
  Power transmission from the motor to the gearbox is via a direct coupling, to ensure low power loss and accurate speed control.
- **BRAKE**
  The unique braking system is designed for both static and dynamic loading. Large friction area brake discs for greater efficiency will automatically apply in the event of power loss. Our design means no adjustment of the brake is necessary.
- **GEARBOX**
  The gearbox housing is a one piece casting, machined and treated to ensure maximum durability and resistance to wear.
- **PLANETARY GEARS**
  The design is compact for better load sharing whilst at the same time helping to reduce the winches overall weight. The gears are machined to guarantee that they mesh at full depth providing long life and reducing the operating noise.
- **MAIN DRIVE GEAR**
  The main input gear is manufactured from a solid billet of steel for maximum strength and increased life.
- **BALL BEARINGS**
  Sealed grease filled bearings fitted are lubricated for the life of the bearing, also reducing the risk of down time.
- **ELECTRIC MOTOR**
  Introduction type motor fitted for increased life, efficient operation and low noise output.
- **WIRE ROPE CONNECTION**
  The connection of the wire rope to the winch drum is via set screw, to ensure rope retention.



BEAVER ELECTRIC WINCHES 240V 50HZ (SINGLE PHASE MODELS)

Robust Construction Suitable for Building Sites, Slipways & Industrial Use c/w 24 Volt IP65 Pendant Control with emergency stop

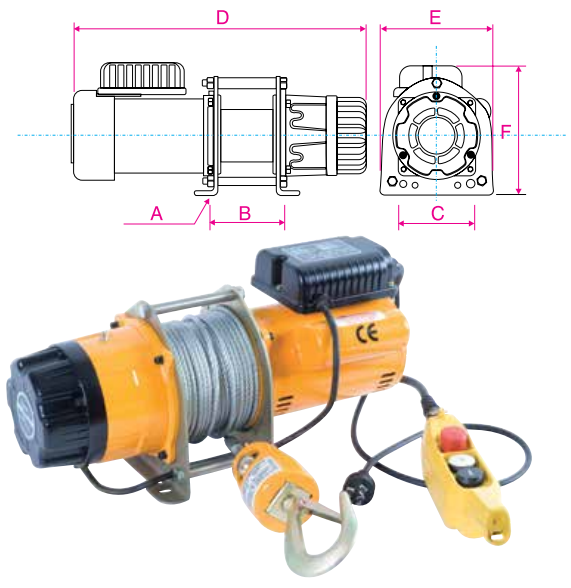
Product Code	Rated Capacity (kg)	Speed m/min	Motor Power HP	% ED	Effective Pull Height m	Wire Rope Dia. x Length mm	A	B mm	C mm	D mm	E mm	F mm	Weight Each (kg)
BPL1025	250	10-15	1.0	25	29	6 x 30	4 x 10.5Ð	142	142	525	210	246	40
BPL1030	300	10-15	1.5	25	29	7 x 30	4 x 10.5Ð	172	142	540	210	246	49

BEAVER ELECTRIC WINCHES 415V 50HZ (THREE PHASE MODELS)

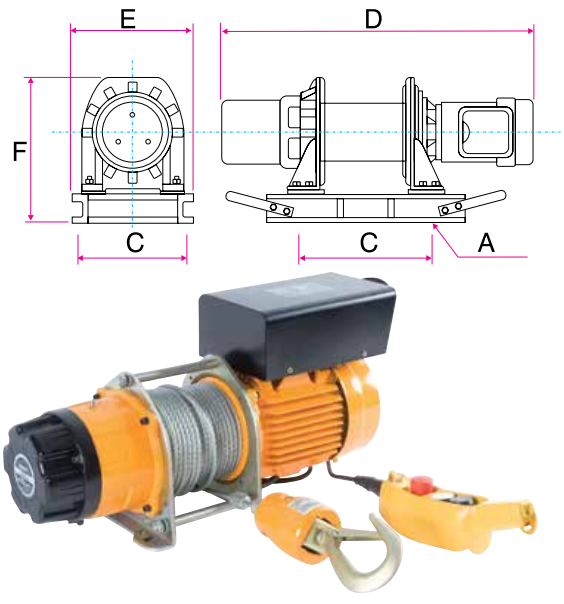
Robust Construction Suitable for Building Sites, Slipways & Industrial Use.
c/w 24 Volt IP65 Pendant Control with emergency stop

Product Code	Rated Capacity (kg)	Speed m/min	Motor Power HP	% ED	Effective Pull Height m	Wire Rope Dia. x Length mm	A	B mm	C mm	D mm	E mm	F mm	Weight Each (kg)
BPL3050	500	12-18	2.5	25	58	9 x 60	4 x 10.5Ð	400	330	922	372	430	136
BPL3100	1000	12-18	5.0	25	58	11 x 60	4 x 10.5Ð	400	330	935	372	430	156
BPL3220	2200	7-12.5	7.5	25	97	16 x 100	4 x 12Ð	600	499	1160	565	658	450

Single Phase Model



Three Phase Model

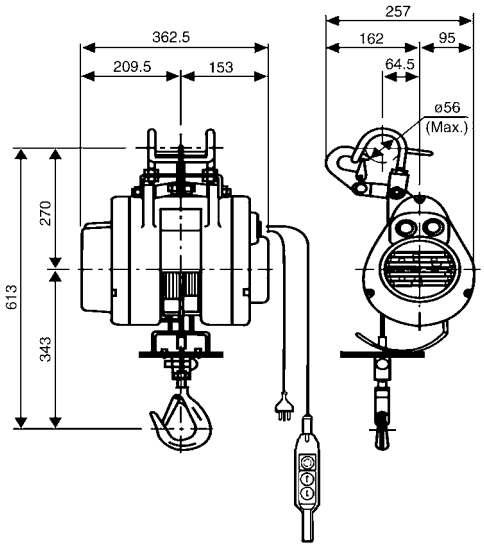


BEAVER ELECTRIC WINCHES (CONT'D)

BEAVER ELECTRIC MINI HOIST 240V 50HZ (SINGLE PHASE MODEL)

Robust Construction Suitable for Building Sites

Product Code	Rated Capacity (kg)	Speed m/min	Lifting Height Size m	Hoist Motor Single Phase						
				Motor Power HP	Input Power Watts	% ED	Rope Dia. mm	Rope Construction	Grade of Rope	Weight Each (kg)
BMI1015	150	15	20	N/A	780	25	3.8	7 x 19	G1960min	28
BMI1025	250	12	20	N/A	1200	25	5.1	7 x 19	G1960min	30





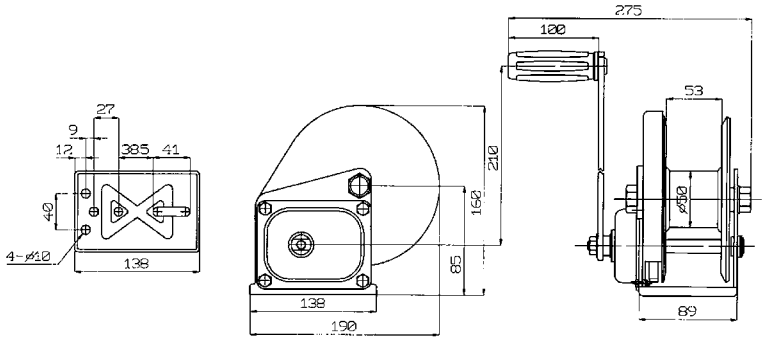
BEAVER BRAKE HAND WINCHES

Model No. - Bare	BHW1200	BHW1800	BHW2600
Model No. - Wire Rope	BHW1200R	BHW1800R	BHW2600R
Rated Capacity - Pulling (kg) (kN)	545 (5.33)	820 (8.04)	1200 (11.76)
Rated Capacity - Hoisting (kg)	270	410	600
Type of Brake	Single Pawl	Double Pawl	Double Pawl
Max. Hand Force Req. (kg)	15	22	19
Gear Ratio	4:1:1	5:1	10:1
Hub Diameter (mm)	Ø50	Ø70	Ø80

Handle Length (mm)	210	320	320
Unit Weight - Bare (kg)	3.8	8	10.3
Wire Rope Diameter (mm)	Ø5	Ø7	Ø8
Wire Rope Construction	6x19 (FC) RHL	6x19 (FC) RHL	6x10 (FC) RHL
Grade of Wire Rope	G1770	G1770	G1770
Wire Rope Finish	HDG	HDG	HDG
Wire Rope Storage Capacity (mm)	24	26	18
Std Wire Rope Length Supplied (mm)	10	10	10

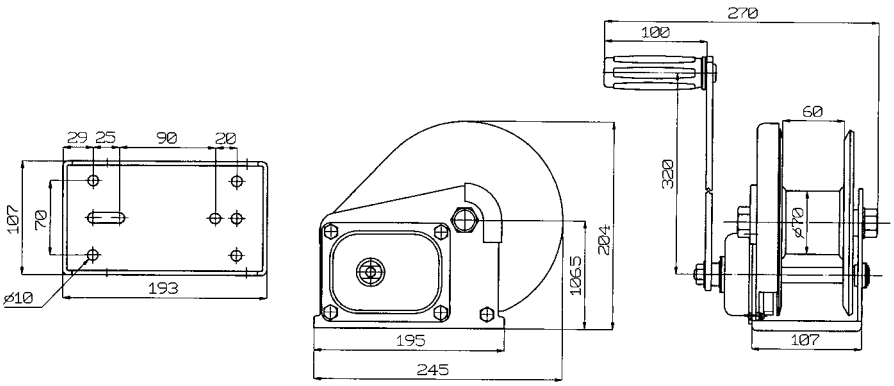
BHW1200





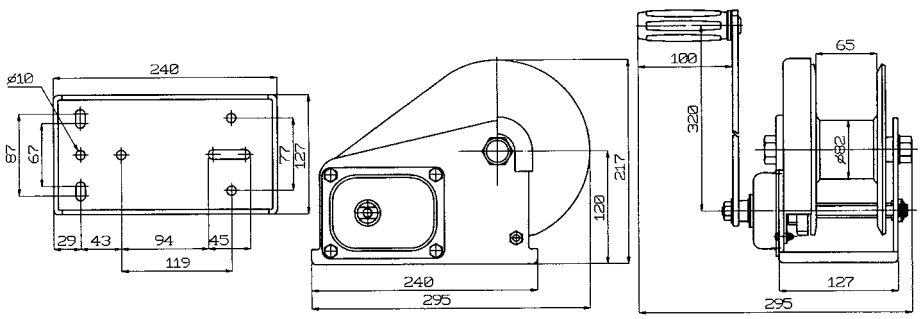
BHW1800





BHW2600



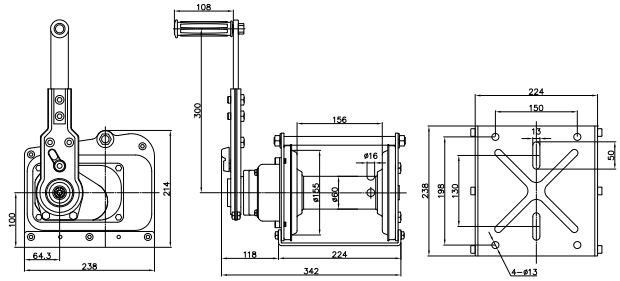


BEAVER BRAKE HAND WINCHES (CONT'D)

BEAVER INDUSTRIAL HEAVY DUTY CONSTRUCTION WINCH - POWDER COATED

Suitable For Confined Spaces

Model No. - Bare	Rated Capacity - Pulling (kg)	Rated Capacity- Hoisting (kg)	Type of Brake	Max. Hand force required (kg)	Gear ratio	Hub Diameter mm	Handle length mm	Wire Rope Dia. mm	Wire Rope construction	Grade of Wire Rope	Wire Rope Storage Capacity m	Weight (kg)
SF2200	850	1700	Weston type mechanical load brake	16	22.2:1	ø60	195	Ø6.4	7 x 19	G1770 - G2070	32	13.5

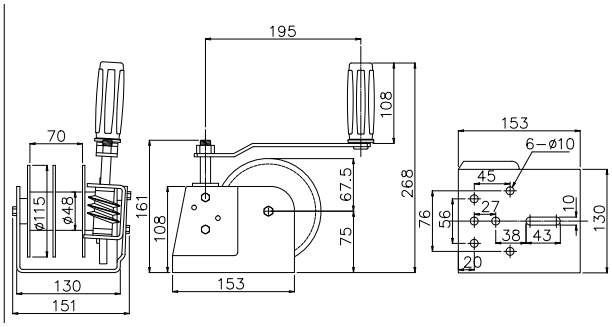




BEAVER WORM DRIVE WINCH

For Safe Controlled Movement of a Load

Model No. - Bare	Rated Capacity - Pulling (kg)	Rated Capacity- Hoisting (kg)	Type of Brake	Max. Hand force required (kg)	Gear ratio	Hub Diameter mm	Handle length mm	Wire Rope Diameter mm	Wire Rope construction	Grade of Wire Rope
HW1500	680	N/A	Worm Gear	4.5	41:1	ø48	195	Ø4	7 x 19	G1770 - G2070





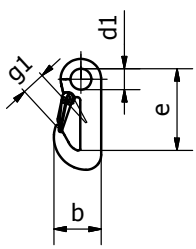
BEAVER GENERAL PURPOSE HAND WINCHES

Model No. - Bare	Rated Capacity - Pulling (kg)	Type of Brake	Max. Hand force required (kg)	Gear ratio	Hub Diameter mm	Handle length mm	Unit weight - Bare (kg)	Wire Rope Diameter mm	Wire Rope construc-tion	Grade of Wire Rope	Wire Rope finish	Wire Rope storage capacity m
517360	360	120	Gear	3.2:1	18	150	2.23	5	7 x 19	G1770 - G2070	HDG	10
517450	450	150	Gear	4.1:1	18	186.5	2.70	5	7 x 19	G1770 - G2070	HDG	20
517630	630	210	Gear	4.1:1	18	186.5	2.90	5	7 x 19	G1770 - G2070	HDG	20
517900	900	300	Gear	4.1:1 + 10:1	24	251.5	6.30	5	7 x 19	G1770 - G2070	HDG	20
517125	1250	375	Gear	5.1:1+ 12.2:1	24	251.5	7.60	6	7 x 19	G1770 - G2070	HDG	25



BEAVER GENERAL PURPOSE WINCH HOOKS SUITABLE FOR WIRE & WEBBING

Product Code	Capacity (kg)	d1 mm	b mm	e mm	g1 mm	Weight (kg)	UOM
426315	1500	18	44	66	13	0.17	Each





BEAVER HAND PALLET TRUCKS

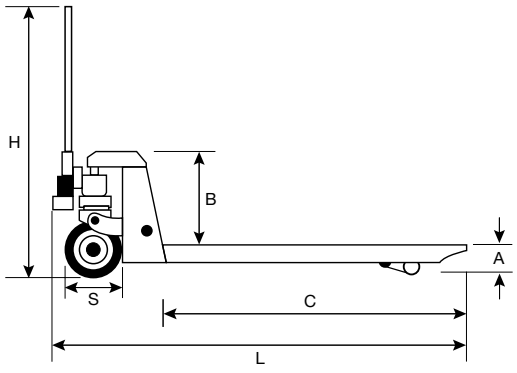
Beaver's range of Hand Pallet Trucks offer the ideal solution for transporting palleted goods easily and safely in warehouses, terminals, delivery/receiving docks, storage and cool rooms.

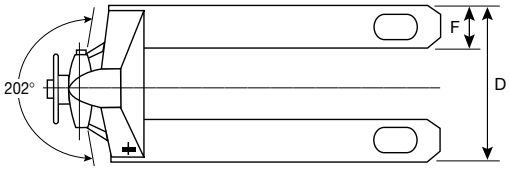
BEAVER HAND PALLET TRUCKS (POWDER COATED FINISH)

Complies to AS 2615. Complete with PU Wheels

Product Code	342601
Model No.	BPT342601S
Capacity (kg)	2500
Min. Fork Height A mm	185
Min. Fork Height B mm	200 x 50
Steering Wheel S mm	74 x 93
Size of Fork F mm	177 x 45
Width Overall Forks D mm	685
Fork Length C mm	1220
Overall Length L mm	1563
Height of Backplate B mm	360
Overall Height H mm	1240
Nett Weight (kg)	89





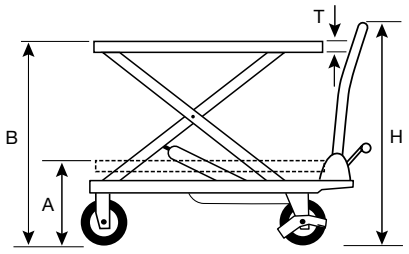


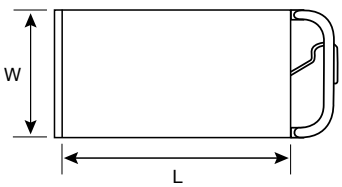
Beaver LIFTPAL Hand Scissor Lift Tables have special applications for raising heavy loads with the use of hydraulics which increases safety and helps prevent back injuries. They are a safe and versatile way to transport goods in warehouses, workshops, libraries, loading docks, hospitals, assembly lines, offices and nurseries. High quality durable powder coated finish on all models.

BEAVER HYDRAULIC SCISSOR LIFT TABLES (SINGLE)

Complete with PU Wheels for which the Rear Wheels have hand locking devices

Product Code	342615	342630	342650
Model No.	TF15	TF30	TF50
Capacity (kg)	150	300	500
Min. Table Height A mm	220	295	295
Max. Table Height B mm	720	885	890
Table Length L mm	700	855	855
Table Width W mm	450	500	500
Table Thickness T mm	36	50	50
Castor Wheel	100 x 25	125 x 40	125 x 40
Foot Pedal Cycles to Max Height	<=28	<=39	<=27
Net Weight (kg)	49	77	81
Height of Handle from Ground H mm	935	985	985





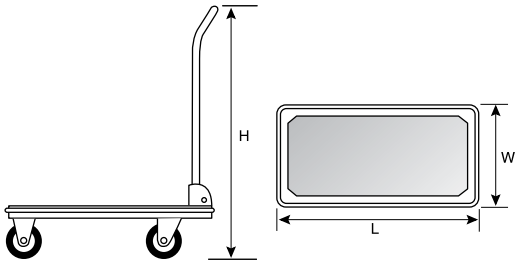


BEAVER HAND TROLLEYS & SCISSOR LIFT TABLES

BEAVER STEEL HAND PLATFORM TROLLEYS

Complete with PU Black Wheels

Product Code	342515	342525
Model No.	BPT015	BPT025
Capacity (kg)	150	250
Platform Length L mm	705	875
Platform Width W mm	440	570
Height H mm	860	860
Net Weight (kg)	12.5	18.6



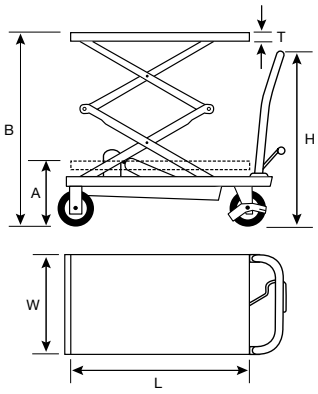




BEAVER HYDRAULIC SCISSOR LIFT TABLES (TWO STAGE)

Complete with PU Wheels for which the Rear Wheels have hand locking devices

Product Code	342635
Model No.	TF35
Capacity (kg)	350
Min. Table Height A mm	375
Max. Table Height B mm	1365
Table Length L mm	910
Table Width W mm	500
Table Thickness T mm	53
Castor Wheel	125 x 40
Foot Pedal Cycles to Max Height	<=53
Net Weight (kg)	136
Height of Handle from Ground H mm	965





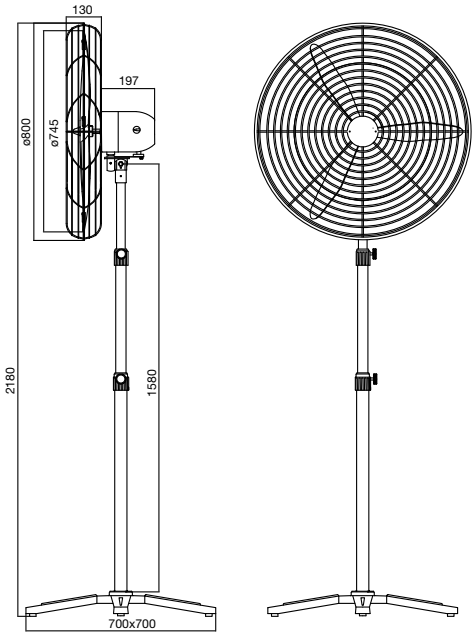


INDUSTRIAL FANS

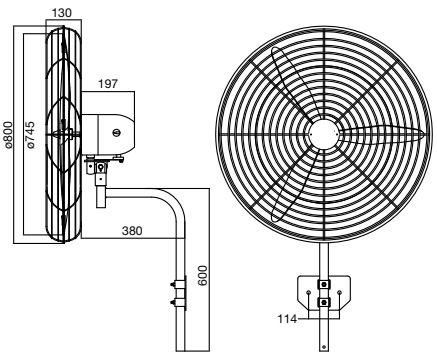
GRUNT INDUSTRIAL FORCE FULL ELECTRIC FAN

220-240V/50Hz

Code	Type	Colour	Dimensions	Model	Weight (kg)	UOM
IWF750-3	750mm Wall Mounted - 3 Blade / 3 Speed	Black	750mm	FB-75	16	Each
IPF750-3	750mm Pedestal - 3 Blade / 3 Speed Adjustable height 1160mm - 1800mm	Black	750mm x 1800mm	FS-75	23	Each













CHAIN AND LEVER BLOCK SPARE PARTS LISTS

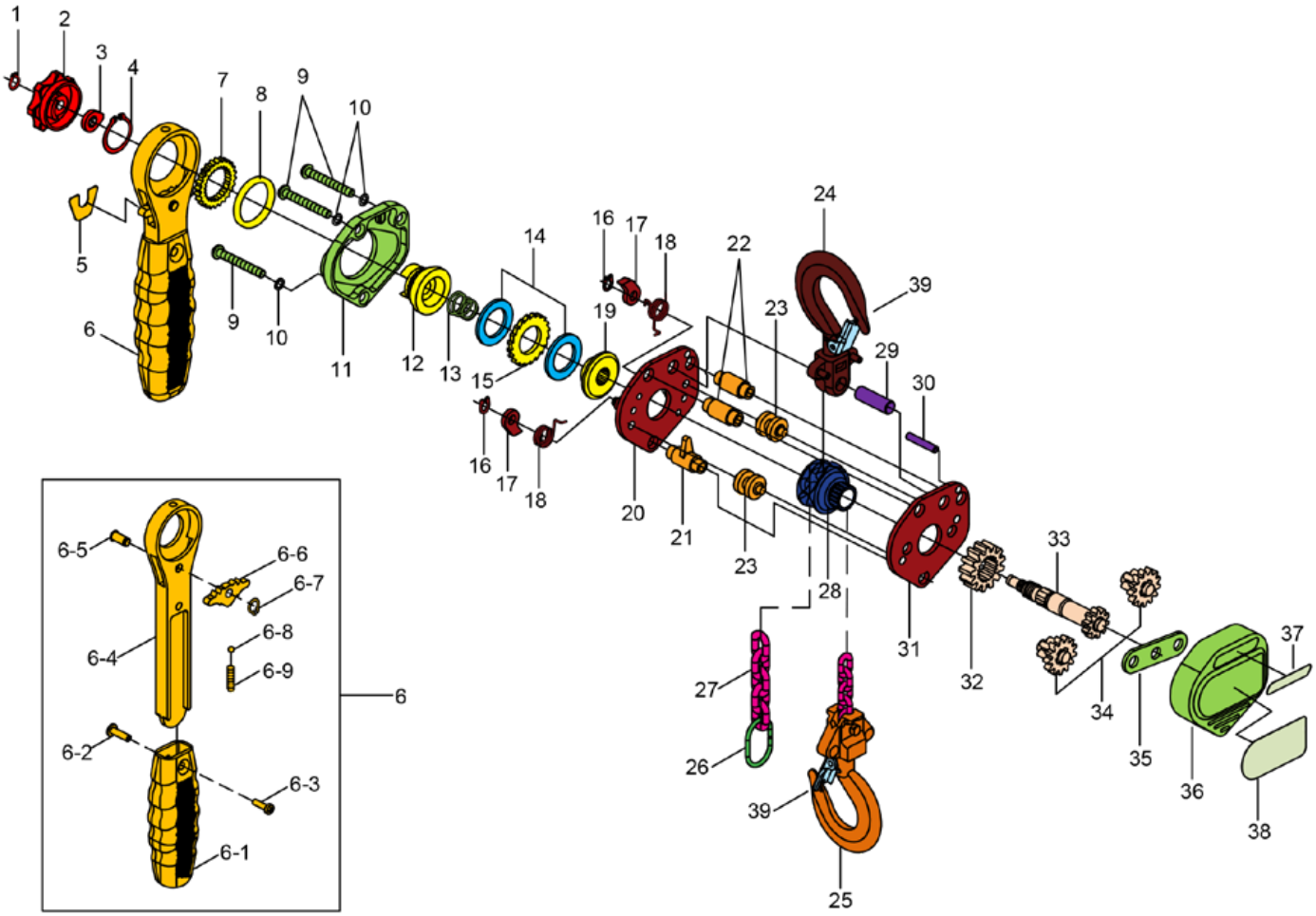
BEAVER 3S LEVER BLOCK 250KG & 500KG SPARE PARTS LIST

Hand Wheel Assembly	Key#	Qty
Snap Ring ø7	1	1
Hand wheel	2	1
Stop Screw Splined Gear	3	1
Snap Ring ø25	4	1
Handle Assembly	**Key#**	**Qty**
Destination Board	5	1
Handle	6	1
Handle Sleeve	6-1	1
Screw Of Handle Sleeve 3.5	6-2	1
Screw Of Change Handle Sleeve M2.3x6mm	6-3	1
Lever Handle Assembly	6-4	1
Pin Of Lever Handle M3.5	6-5	1
Change Over Pawl Screw M3.5	6-6	1
Snap Ring Of Change Over Pawl ø6	6-7	1
Set Ball Of Spring ø4	6-8	1
Change Over Pawl Spring	6-9	1
Ratchet Disc Assembly	**Key#**	**Qty**
Change Over Gear	7	1
Handle Sleeve	8	1
Brake Set A	12	1
Ratchet Disc	15	1
Brake Set B	19	1
Cover Assembly	**Key#**	**Qty**
Hand Cover Pin M6x45mm	9	3
Ring Of Stay ø6	10	3
Hand Cover	11	1
Pinion Shaft Spring	13	1
Reinforced Plate	35	1
Gear Cover	36	1
Plate Assembly	**Key#**	**Qty**
Snap Ring ø6	16	2
Pawl	17	2
Pawl Spring	18	2
Left Side Plate	20	1
Right Side Plate	31	1
Guide Roller Assembly	**Key#**	**Qty**
Stripper	21	1
Support Pin	22	2
Guide Roller	23	2

Pin Assembly	Key#	Qty
Top Hook Pin	29	1
Stripper Pin	30	1
Gear Assembly	**Key#**	**Qty**
Splined Gear	32	1
Pinion Shaft	33	1
Disc Gear	34	2
Name Plate Assembly	**Key#**	**Qty**
Name Plate A	37	1
Name Plate B	38	1
Friction Disc	14	2
Top Hook	24	1
Bottom Hook	25	1
End Anchor	26	1
Load Chain	27	1
Chain Sprocket	28	1
Latch Kit	39	2

Part Name	250kg	500kg
Hand Wheel Assembly	506025-1	506050-1
Handle Assembly	506025-2	506050-2
Ratchet Disc Assembly	506025-3	506050-3
Cover Assembly	506025-4	506050-4
Plate Assembly	506025-5	506050-5
Guide Roller Assembly	506025-6	506050-6
Pin Assembly	506025-7	506050-7
Gear Assembly	506025-8	506050-8
Name Plate Assembly	506025-9	506050-9
Friction Disc	506025-10	506050-10
Top Hook	506025-11	506050-11
Bottom Hook	506025-12	506050-12
Load Chain	506025-13	506050-13
End Anchor	506025-14	506050-14
Chain Sprocket	506025-15	506050-15
Latch Kit	506025-16	506050-16

BEAVER 3S LEVER BLOCK SPARE PARTS (CONT'D)



BEAVER 3S LEVER BLOCK 800KG - 9TONNE SPARE PARTS LIST

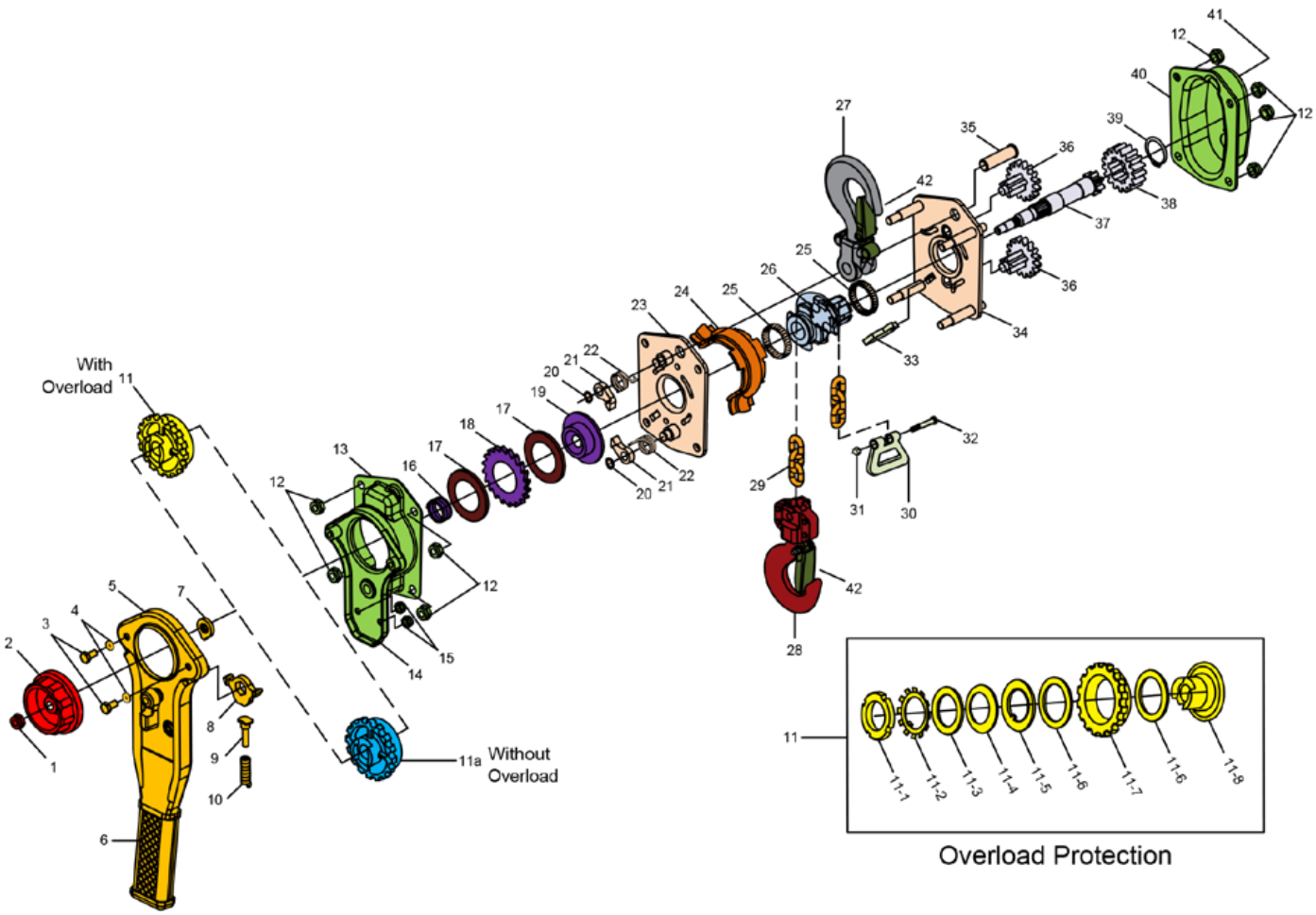
Hand Wheel Assembly	Key#	Qty
Hand Wheel Nut	1	1
Hand Wheel	2	1
Lever Hand Assembly	**Key#**	**Qty**
Screw Bolt	3	2
Washer Of Screw Bolt	4	2
Lever Handle	5	1
Hand Grip	6	1
Locking Plate	7	1
Change Over Pawl	8	1
Shaft Over Pawl	9	1
Spring Shaft	10	1
Over Load Protection Assembly	**Key#**	**Qty**
Locking Nut - Overload Protection	11-1	1
Brake Set Ring - Overload Protection	11-2	1
Plain washer - Overload Protection	11-3	1
Spring Ring - Overload Protection	11-4	1
Clamp Over Gear With Overload	11-5	1
Friction Disc - Overload Protection	11-6	2
Ratchet Gear - Overload Protection	11-7	1
Brake Set - Overload Protection	11-8	1

Cover Assembly	Key#	Qty
Brake Cover Nut	12	8
Brake Cover	13	1
Hand Cover	14	1
Hand Over Nut	15	2
Gear Case	40	1
Top Hook Assembly c/w Latch Kit	27	1
Bottom Hook Assembly c/w Latch Kit	28	1
Load Chain	29	1
Brake Assembly	**Key#**	**Qty**
Ratchet Disc Spring	16	1
Ratchet Disc	18	1
Brake Set	19	1
Plate Assembly	**Key#**	**Qty**
Pawl Snap	20	2
Pawl	21	2
Pawl Spring	22	2
Side Plate A	23	1
Bearing Sprocket	25	2
Side Plate B	34	1
Top Hook Shaft	35	1

Anchor Assembly	Key#	Qty
End Anchor	30	1
Hex Nut End Anchor	31	1
Pin End Anchor	32	1
Stripper	33	1
Gear Assembly	**Key#**	**Qty**
Disc Gear	36	2
Pinion Shaft	37	1
Splined Gear	38	1
Snap Ring Splined Gear	39	1
Change Over Gear Without Overload	11A	1
Friction Disc	17	2
Load Chain Cover	24	1
Load Sprocket	26	1
Name Plate	41	1
Latch Kit	42	2

Part Name	800kg	1.6T	3.2T	6.3T	9T
Hand Wheel Assembly	506080-1	506160-1	506320-1	506630-1	507900-1
Lever Hand Assembly	506080-2	506160-2	506320-2	506630-2	507900-2
Over Load Protection Assembly	506080-3	506160-3	506320-3	506630-3	507900-3
Cover Assembly	506080-4	506160-4	506320-4	506630-4	507900-4
Top Hook Assembly	506080-5	506160-5	506320-5	506630-5	507900-5
Bottom Hook Assembly	506080-6	506160-6	506320-6	506630-6	507900-6
Load Chain	506080-7	506160-7	506320-7	506630-7	507900-7
Brake Assembly	506080-8	506160-8	506320-8	506630-8	507900-8
Plate Assembly	506080-9	506160-9	506320-9	506630-9	507900-9
Anchor Assembly	506080-10	506160-10	506320-10	506630-10	507900-10
Gear Assembly	506080-11	506160-11	506320-11	506630-11	507900-11
Latch Kit	506080-12	506160-12	506320-12	506630-12	507900-12
Name Plate	506080-13	506160-13	506320-13	506630-13	507900-13
Change Over Gear Without Overload	506080-14	506160-14	506320-14	506630-14	507900-14
Friction Disc	506080-15	506160-15	506320-15	506630-15	507900-15
Load Chain Cover	506080-16	506160-16	506320-16	506630-16	507900-16
Load Sproket	506080-17	506160-17	506320-17	506630-17	507900-17

BEAVER 3S LEVER BLOCK SPARE PARTS (CONT'D)



BEAVER 3S CHAIN BLOCK 500KG - 10 TONNE SPARE PARTS LIST

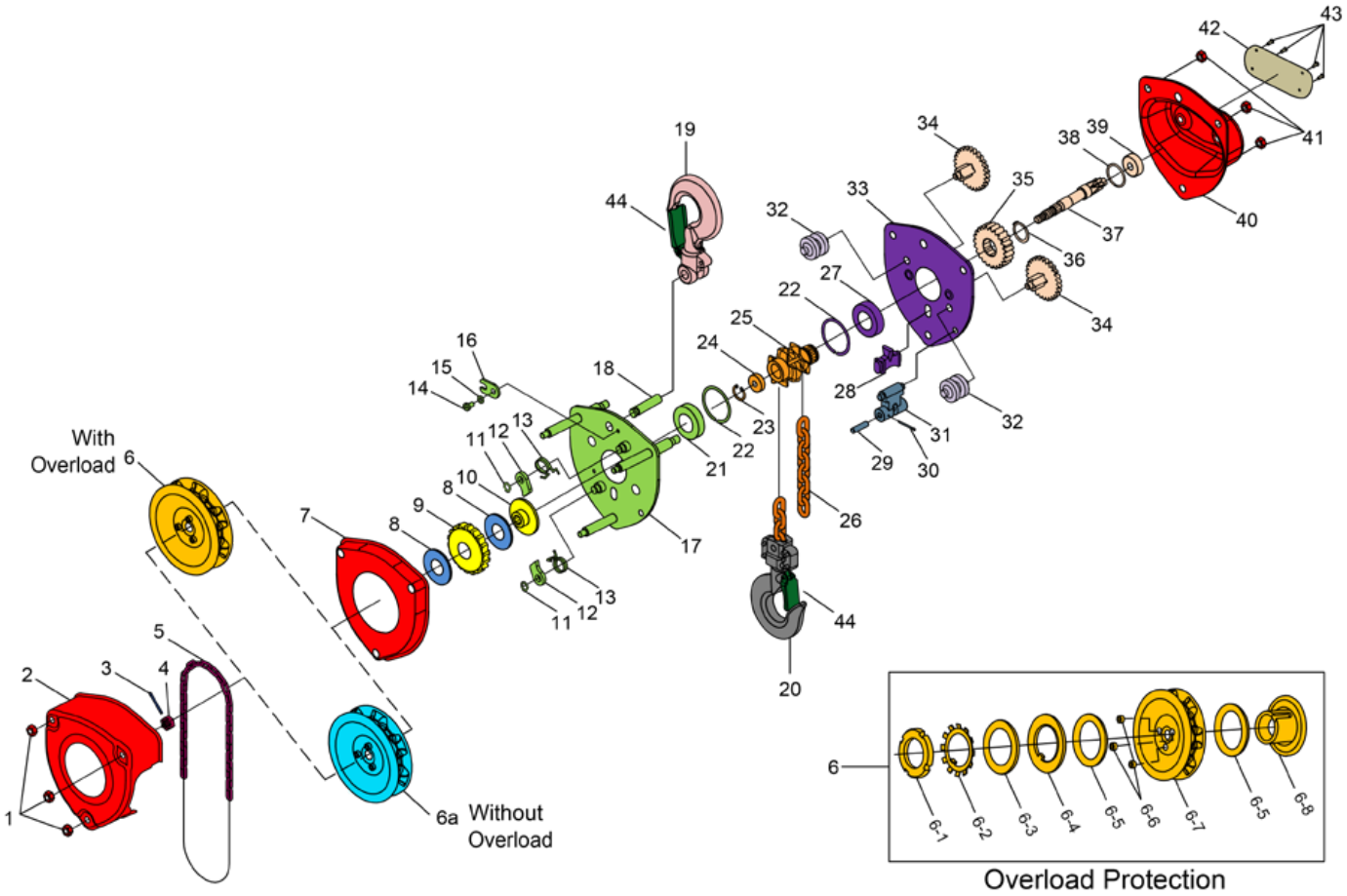
Cover Assembly	Key #	QTY
Hand Wheel Cover Nut	1	3
Hand Wheel Cover	2	1
Brake Disc Cover	7	1
Gear Case	40	1
Gear Assembly Screws	41	3
Overload Protection Assembly	**Key #**	**QTY**
Locking Nut-Overload protection	6-1	1
Brake Set Ring-Overload protection	6-2	1
Spring Ring-Overload protection	6-3	1
Clamp-Overload protection	6-4	1
Friction Disc-Overload protection	6-5	1
Roll Pin-Overload protection	6-6	3
Ratchet Gear-Overload protection	6-7	1
Brake Set-Overload protection	6-8	1
Left Plate Assembly	**Key #**	**QTY**
Snap Ring Bearing	11	2
Pawl	12	2
Pawl Spring	13	2
Screw Locking Plate	14	1
Spring Washer Plate	15	1
Lock Plate	16	1
Left Side Plate	17	1
Top Hook Pin	18	1
Ball Bearing A	21	1
Snap Ring A	22	1

Right Plate Assembly	Key #	QTY
Snap Ring	22	1
Ball Bearing B	27	1
Stripper	28	1
Right Side Plate	33	1
Gear Assembly	**Key #**	**QTY**
Disc Gear Assembly	34	2
Splined Gear	35	1
Snap Ring B	36	1
Pinion Shaft	37	1
Snap Ring D	38	1
Ball Bearing D	39	1
Sprocket Assembly	**Key #**	**QTY**
Snap Ring C	23	1
Ball Bearing C	24	1
Chain Sprocket	25	1
Etch Plate Assembly	**Key #**	**QTY**
Name Plate	42	1
Name Plate Rivets	43	1
Brake Set Assembly	**Key #**	**QTY**
Ratchet Disc	9	1
Brake Set	10	1

Anchor Assembly	Key #	QTY
Suspension Plate Pin	29	1
Split Pin	30	1
End Anchor	31	1
	Key #	**QTY**
Top Hook Assembly	19	1
Hand Wheel Sprocket Without Overload Protection	6a	1
Bottom Hook Assembly	20	1
Load Chain	26	1
Split Pin	3	1
Guide Roller	32	2
Hand Chain	5	1
Latch Kit	44	2
Hexagonal Slotted Nut	4	1
Friction Disc	8	2

Part Name	500kg	1t	2t	3t	5t	10t
Cover Assembly	503053-1	503103-1	503203-1	503303-1	503503-1	508603-1
Overload Protection Assembly	503053-2	503103-2	503203-2	503303-2	503503-2	508603-2
Brake Set Assembly	503053-3	503103-3	503203-3	503303-3	503503-3	508603-3
Left Plate Assembly	503053-4	503103-4	503203-4	503303-4	503503-4	508603-4
Hexagonal Slotted Nut	503053-5	503103-5	503203-5	503303-5	503503-5	508603-5
Right Plate Assembly	503053-6	503103-6	503203-6	503303-6	503503-6	508603-6
Gear Assembly	503053-7	503103-7	503203-7	503303-7	503503-7	508603-7
Sprocket Assembly	503053-8	503103-8	503203-8	503303-8	503503-8	508603-8
Etch Plate Assembly	503053-9	503103-9	503203-9	503303-9	503503-9	508603-9
Friction Disc	503053-10	503103-10	503203-10	503303-10	503503-10	508603-10
Top Hook Assembly	503053-11	503103-11	503203-11	503303-11	503503-11	508603-11
Hand Wheel Sprocket Without Overload Protection	503053-12	503103-12	503203-12	503303-12	503503-12	508603-12
Bottom Hook Assembly	503053-13	503103-13	503203-13	503303-13	503503-13	508603-13
Load Chain	503053-14	506080-7	506160-7	506160-7	503503-14	503503-14
Split Pin	503053-15	503103-15	503203-15	503303-15	503503-15	508603-15
Guide Roller	503053-16	503103-16	503203-16	503303-16	503503-16	508603-16
Hand Chain	503053-17	503053-17	503053-17	503053-17	503053-17	503053-17
Latch Kit	503053-18	503103-18	503203-18	503303-18	503503-18	508603-18
Anchor Assembly	503053-19	503103-19	503203-19	503303-19	503503-19	508603-19

BEAVER 3S CHAIN BLOCK SPARE PARTS (CONT'D)

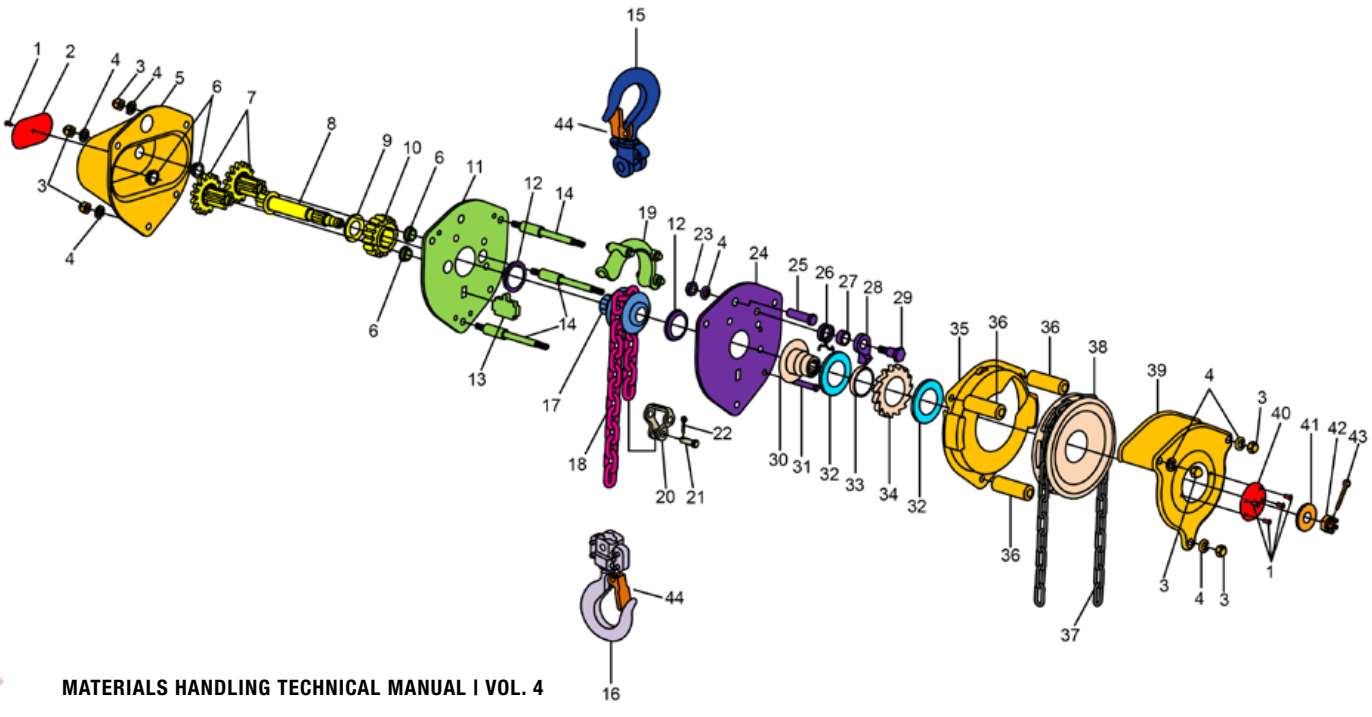


BEAVER 3S CHAIN BLOCK 250KG SPARE PARTS LIST

Name Plate Assembly	Key #	QTY
Name Plate Rivet 2mm	1	5
Name Plate	2	1
Capacity Plate	40	1
Cover Plate Assembly	**Key #**	**QTY**
Gear Case Cover Nut	3	3
Gear Case Cover Spring Washer	4	3
Gear Case Assembly	5	1
Gear Case Cover Steel Ring	6	2
Brake Disc Cover	35	1
Brake Disc Cover Stay	36	3
Hand Wheel Cover	39	1
Gear Assembly	**Key #**	**QTY**
Disc Gear Assembly	7	2
Pinion Shaft	8	1
Pinion Shaft Washer	9	1
Splined Gear	10	1
Left Side Plate Assembly	**Key #**	**QTY**
Gear Case Cover Steel Ring	6	2
Left Side Plate	11	1
Bearings	12	1
Stripper	13	1
Stay of Left Plate	14	3
Load Chain Cover	19	1
Chain Sprocket	17	1
Friction Disc	32	2

Right Plate Assembly	Key #	QTY
Bearings	12	2
Right Side Nut M5	23	1
Gear Case Cover Spring Washer	4	1
Top Hook Pin	25	1
Pawl Spring	26	1
Pawl Washer	27	1
Pawl	28	1
Pawl Pin	29	1
Load Chain Pin	31	1
Right Side Plate	24	1
Hand Wheel Assembly	**Key #**	**QTY**
Brake Set	30	1
Ratchet Disc Ring	33	1
Ratchet Disc	34	1
Hand Wheel	38	1
Castle Nut Assembly	**Key #**	**QTY**
Capacity Plate Washer	41	1
Hex Castle Nut M8	42	1
Split Pin	43	1
Anchor Assembly	**Key #**	**QTY**
End Anchor	20	1
End Anchor Pin	21	1
Load Chain Split Pin	22	1
	Key #	**QTY**
Hand Chain	37	1
Latch Kit	44	2
Top Hook Assembly c/w Latch Kit	15	1
Bottom Hook Assembly c/w Latch Kit	16	1
Load Chain	18	1

Part Name	250kg
Name Plate Assembly	503025-1
Cover Plate Assembly	503025-2
Gear Assembly	503025-3
Left Side Plate Assembly	503025-4
Top Hook Assembly	503025-5
Bottom Hook Assembly	503025-6
Load Chain	503025-7
Right Plate Assembly	503025-8
Hand Wheel Assembly	503025-9
Castle Nut assembly	503025-10
Anchor Assembly	503025-11
Chain Sprocket	503025-12
End Anchor	503025-13
Friction Disc	503025-14
Hand Chain	503025-15
Latch Kit	503025-16





SECTION 4 / SHACKLES

CONTENTS

BEAVER SHACKLES PRODUCT INFORMATION

BEAVER GRADE 'S' SHACKLES IN BUCKETS

BEAVER YELLOW PIN GRADE 'S' SHACKLES

BEAVER YELLOW PIN GRADE 'S' SAFETY PIN SHACKLES

BEAVER GRADE 'M' SHACKLES

BEAVER COMMERCIAL GRADE SHACKLES IN BUCKETS

Beaver's shackles are amongst the most versatile items within our range. The shackle plays a central role in many lifting and towing applications in conjunction with our other complementary products. With this in mind Beaver have developed a broad range of shackles in both "Dee" and "Bow" type, "Screw Pin" and "Safety Pin" for such applications.

Available in grades 'S', 'M' and Commercial Quality, the Beaver range of shackles are made to the highest quality standards providing the user with assurances. When you need a shackle you can be confident that Beaver will have the right one to service your requirement.

BEAVER SHACKLES PRODUCT INFORMATION

SHACKLE INFORMATION

Shackles are used in lifting and static systems as removable links to connect (steel) wire rope, chain and other fittings.
Screw pin shackles are used mainly for non-permanent applications.
Safety pin shackles are used for long-term or permanent applications or where the load may slide on the pin causing rotation of the pin.
Dee shackles are mainly used on one-leg systems whereas anchor or bow shackles are mainly used on multi-leg systems.



Shackles should be inspected before use to ensure that:

- All markings are legible
- The threads of the pin and the body are undamaged
- The body and the pin are not distorted or unduly worn
- The body and pin are free from nicks, gouges, cracks and corrosion
- Shackles may not be heat treated as this may affect their Working Load Limit
- Never use a safety bolt type shackle without using the split cotter pin
- Never modify, repair or reshape a shackle by welding, heating or bending as this will affect the Working Load Limit (WLL).
- Never replace shackle pin with screws

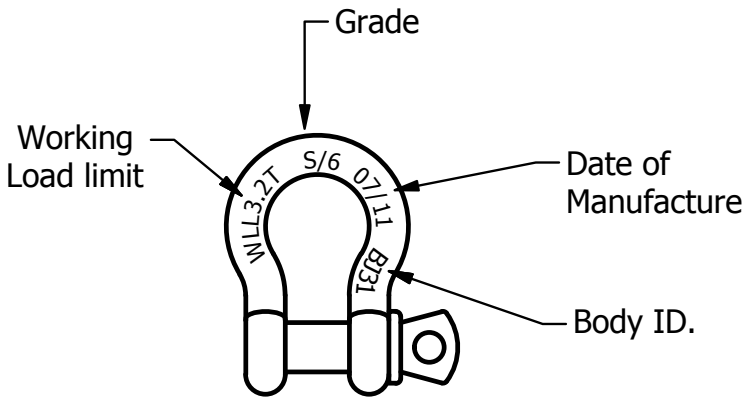


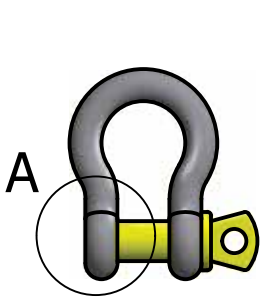
SHACKLES

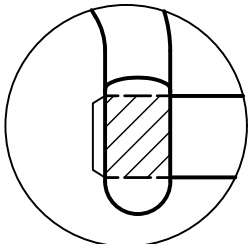
BEAVER GRADE 'S' SHACKLES

Beaver Grade S Shackles are a rated shackle that meet the requirement of AS 2741. Grade 'S' shackles are recommended where high strength is required such as lifting, towing and 4WD applications.

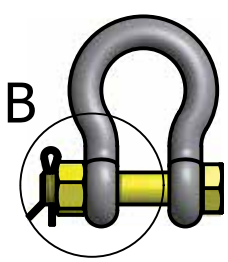
- Available in both Dee and Bow configurations
- Available in both Screw pin and Safety Pin type – see detail A and B for more information
- For the same WLL, they are smaller than Grade 'M'
- Beaver's Grade 'S' shackles come in two colour configurations:
  - Beaver Standard Grade 'S': Yellow pin
  - Beaver Colour Coded Grade 'S': Body and pin colour coded for easy match to components
- The Body ID and date of Manufacture = the Batch ID

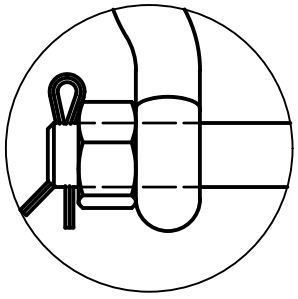






Detail A
Screw Pin





Detail B
Safety Pin

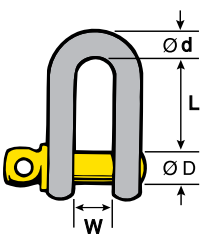
BEAVER SHACKLES PRODUCT INFORMATION

BEAVER ALLOY GRADE 'S' OR '6' SHACKLES - REFERENCE GUIDE

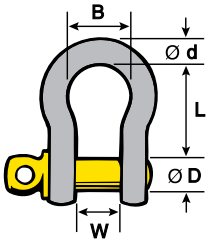
With yellow painted pin to as 2741

WLL Tonne	DIA d mm	DIA PIN D mm	Inside Width W mm	Inside Length		Width of Bow B mm	Approx Weight Each	
				Dee Type L mm	Bow Type L mm		Screw Pin Kg	Safety Pin Kg
0.33	5	6	10	—	22	15	0.02	—
0.5	6	8	12	22	29	20	0.06	0.07
0.75	8	10	13	26	31	21	0.11	0.13
1	10	11	17	32	37	26	0.15	0.17
1.5	11	13	18	37	43	29	0.21	0.25
2	13	16	21	41	48	33	0.37	0.44
3.2	16	19	27	51	61	43	0.65	0.79
4.7	19	22	32	60	72	51	1.06	1.26
6.5	22	25	37	71	84	58	1.56	1.88
8.5	25	29	43	81	95	68	2.32	2.78
9.5	29	32	46	90	108	74	3.28	3.87
12	32	35	52	100	119	83	4.51	5.26
13.5	35	38	57	113	133	92	5.43	6.94
17	38	41	60	124	146	98	7.89	8.79
25	44	51	73	146	178	127	13.40	14.99
35	51	57	83	171	197	146	18.85	20.65
45	57	63	95	181	222	160	26.06	29.01
55	63	70	105	203	267	184	37.86	41.05
85	76	83	127	229	330	200	58.68	62.24
120	89	95	146	267	381	241	—	110.00
150	102	108	165	318	432	279	—	160.00

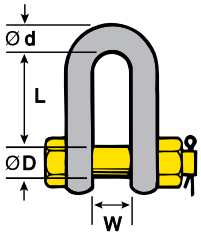
Beaver Dee Shackle with Screw Pin



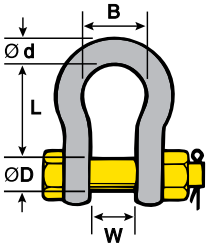
Beaver Bow Shackle with Screw Pin



Beaver Safety Dee Shackle Bolt Type



Beaver Safety Bow Shackle Bolt Type

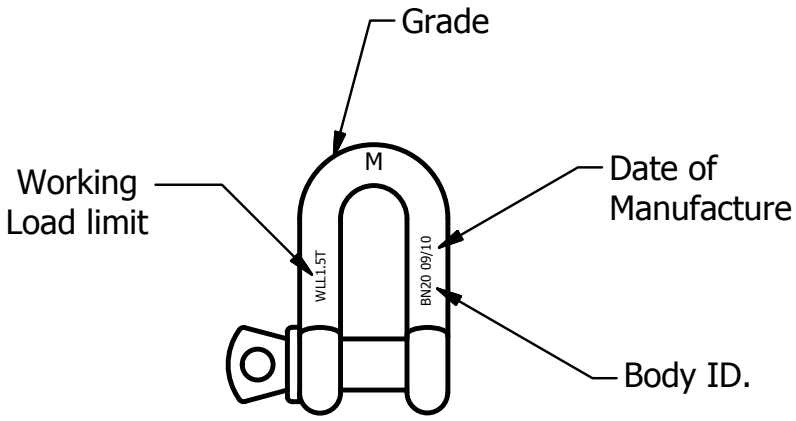


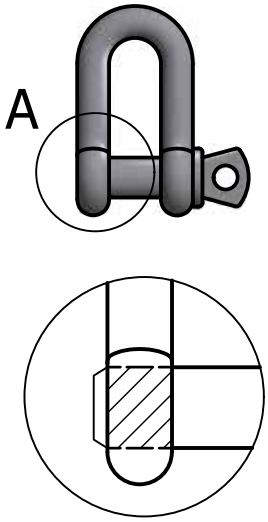
SHACKLES

BEAVER GRADE 'M' SHACKLES

Beaver Grade 'M' Shackles are a rated shackle that comply with the requirements of AS 2741. Grade 'M' shackles are commonly used in marine applications.

- Only available in Dee configuration
- Screw pin type only – please see drawing A for more information
- The Body ID and date of Manufacture = the Batch ID





Detail A
Screw Pin

BEAVER COMMERCIAL SHACKLES

Beaver Commercial Grade Shackles are for general purpose use only and are available in both hot dipped galvanised and electro galvanised finishes. They are not produced to any standard.

- Commercial Galvanised Shackles are available in both Dee and Bow type configuration
- Commercial Electro Galvanised Shackles are available in Dee type configuration only
- Screw pin type only
- Unlike other types of shackles, commercial shackles have the same diameter pin as the body
- Not suitable for lifting or towing



BEAVER GRADE 'S' SHACKLES IN BUCKETS

Beaver's shackles in buckets offer less handling to reduce cost whilst enabling better inventory control. Supplied in merchandise display friendly buckets with a P.O.S. Barcode Sales Aid available.

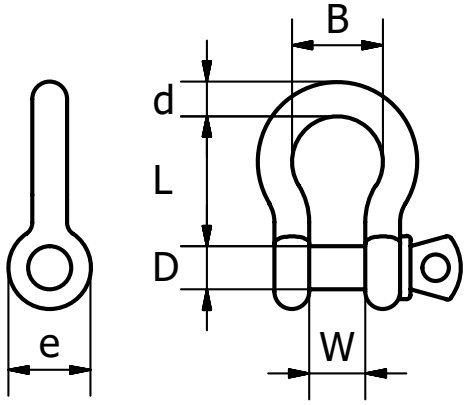


BEAVER COLOUR CODED SCREW PIN

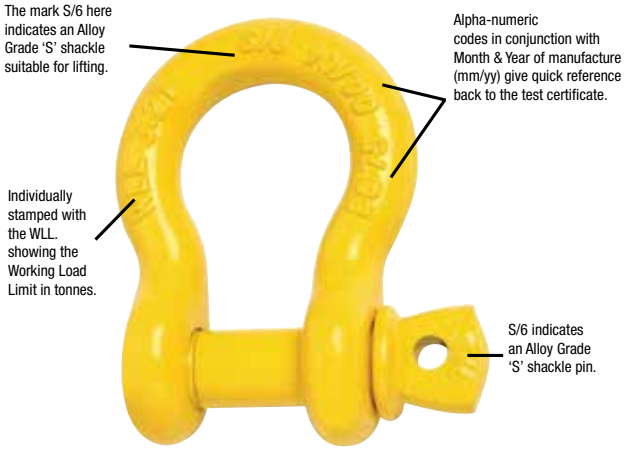
Sizes 10mm - 25mm

Beaver Code	Size mm	Working Load Limit tonnes	Shackle Colour	Dia. d mm	Pin Dia. D mm	Inside Width W mm	Inside Length L mm	Dia. Boss e mm	Width of Bow B mm	Approx. Weight each kg	Square Bucket	Qty / Bucket	Weight / Bucket
242310MP	10 x 11	1.00	Violet	10	11	17	37	25	26	0.15	2L	30	4.23
242313MP	13 x 16	2.00	Green	13	16	21	48	33	33	0.37	2L	14	4.62
242316MP	16 x 19	3.20	Yellow	16	19	27	61	40	43	0.65	5L	20	12.40
242319MP	19 x 22	4.70	Grey	19	22	32	72	48	51	1.06	5L	10	10.70
242322MP	22 x 25	6.50	Brown	22	25	37	84	54	58	1.56	5L	8	13.12
242325MP	25 x 29	8.50	Blue	25	29	43	95	60	68	2.32	5L	4	9.20

- Beaver Alloy Grade 'S' colour coded shackles have been developed in accordance with Australian Standard AS 2741
- All Beaver Grade 'S' shackles are easily identified with prominent stamping indicating MM/YY for quick reference of the products manufacture and working load limit
- Test certificates are readily available on request
- Suitable for mining, resource and construction industry applications
- Our colour coded shackles take the guess work out of choosing the right capacity when matching lifting components







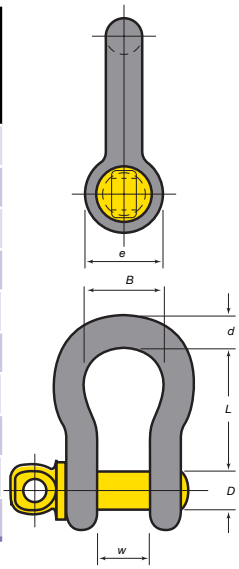
SHACKLES



BEAVER HOT DIPPED GALVANISED SCREW PIN

Bow Shackle Bucket - Sizes 5mm - 25mm

Beaver Code	Size mm	Working Load Limit tonnes	Dia. d mm	Pin Dia. D mm	Inside Width w	Width of Bow B mm	Inside Length L mm	Dia. Boss e mm	Square Bucket	Qty / Bucket	Weight / Bucket
242305P	5 x 6	0.33	5	6	10	15	22	14	2L	100	2.70
242306P	6 x 8	0.50	6	8	12	20	29	17	2L	100	3.00
242308P	8 x 10	0.75	8	10	13	21	31	21	2L	50	4.30
242310P	10 x 11	1.0	10	11	17	26	37	25	2L	30	4.36
242311P	11 x 13	1.50	11	13	18	29	43	27	2L	20	4.44
242313P	13 x 16	2.00	13	16	21	33	48	33	2L	14	4.62
242316P	16 x 19	3.20	16	19	27	43	61	40	5L	20	12.40
242319P	19 x 22	4.70	19	22	32	51	72	48	5L	10	10.70
242322P	22 x 25	6.50	22	25	37	58	34	54	5L	8	13.12
242325P	25 x 29	8.50	25	29	43	68	95	60	5L	4	9.20



NOTE: Dimensions are nominal.
Actual dimensions fall within the tolerances of AS 2741.

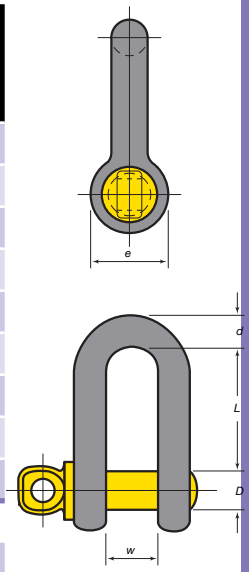
BOW SHACKLES UP TO 8.5T ARE ONLY AVAILABLE IN BUCKETS



BEAVER HOT DIPPED GALVANISED SCREW PIN

Dee Shackle Bucket - Sizes 6mm - 25mm

Beaver Code	Size mm	Working Load Limit tonnes	Shackle Colour	Dia. d mm	Pin Dia. D mm	Inside Width W mm	Inside Length L mm	Dia. Boss e mm	Square Bucket	Qty / Bucket	Weight / Bucket
241306P	6 x 8	0.5	HDG	6	8	12	22	17	2L	100	2.80
241308P	8 x 10	0.75	HDG	8	10	13	26	21	2L	50	3.85
241310P	10 x 11	1.00	HDG	10	11	17	32	25	2L	30	3.90
241311P	11 x 13	1.50	HDG	11	13	18	37	27	2L	20	4.00
241313P	13 x 16	2.00	HDG	13	16	21	41	33	2L	14	4.20
241316P	16 x 19	3.20	HDG	16	19	27	51	40	5L	20	11.60
241319P	19 x 22	4.70	HDG	19	22	32	60	48	5L	10	10.20
241322P	22 x 25	6.50	HDG	22	25	37	71	54	5L	8	11.44
241325P	25 x 29	8.50	HDG	25	29	43	81	60	5L	4	8.62



NOTE: Dimensions are nominal.
Actual dimensions fall within the tolerances of AS 2741.

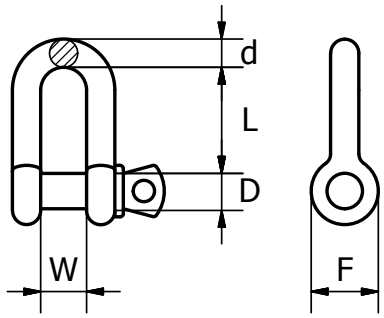
DEE SHACKLES UP TO 8.5T ARE ONLY AVAILABLE IN BUCKETS

BEAVER YELLOW PIN GRADE 'S' SHACKLES

BEAVER YELLOW PIN GRADE 'S' SCREW PIN SHACKLES TO AS 2741

Chain Dee Type - Capacities 9.5 - 35 tonne

Code	Size mm	WLL Tonne	Type	Shape	Closing Method	DIA d mm	DIA PIN D mm	Inside Width W mm	Inside Length L mm	DIA Boss F mm	Approx Weight Kg	UOM	Pack Qty
241329	29 x 32	9.50	Grade S	Dee	Screw	29	32	46	90	67	3.28	Each	8
241332	32 x 35	12.00	Grade S	Dee	Screw	32	35	52	100	76	4.51	Each	5
241335	35 x 38	13.50	Grade S	Dee	Screw	35	38	57	113	84	5.43	Each	4
241338	38 x 41	17.00	Grade S	Dee	Screw	38	41	60	124	92	7.89	Each	3
241344	44 x 51	25.00	Grade S	Dee	Screw	44	51	73	146	110	13.4	Each	2
241351	51 x 57	35.00	Grade S	Dee	Screw	51	57	83	171	127	18.85	Each	1

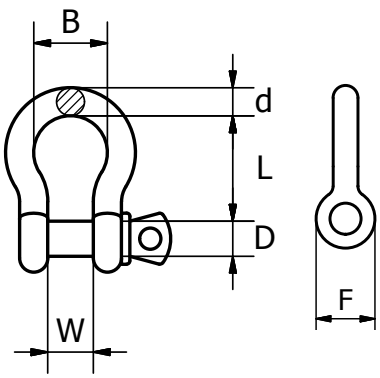




BEAVER YELLOW PIN GRADE 'S' SCREW PIN SHACKLES TO AS 2741

Anchor Bow Type - Capacities 9.5 - 55 tonne

Code	Size mm	WLL Tonne	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 F mm	Approx Weight Kg	UOM	Pack Qty
242329	29 x 32	9.5	Grade S	Bow	Screw	29	32	46	108	74	67	3.28	Each	6
242332	32 x 35	12	Grade S	Bow	Screw	32	35	52	119	83	76	4.51	Each	5
242335	35 x 38	13.5	Grade S	Bow	Screw	35	38	57	133	92	84	5.43	Each	3
242338	38 x 41	17	Grade S	Bow	Screw	38	41	60	146	98	92	7.89	Each	3
242344	44 x 51	25	Grade S	Bow	Screw	44	51	73	178	127	110	13.40	Each	2
242351	51 x 57	35	Grade S	Bow	Screw	51	57	83	197	146	127	18.85	Each	1
242363	63 x 70	55	Grade S	Bow	Screw	63	70	105	267	184	152	37.86	Each	1



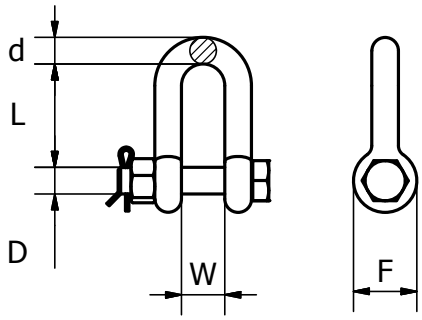


BEAVER YELLOW PIN GRADE 'S' SAFETY PIN SHACKLES

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

Dee Type - Capacities 2.0 - 13.5 tonne

Code	Size mm	WLL Tonne	Type	Shape	Closing Method	DIA d mm	DIA PIN D mm	Inside Width W mm	Inside Length L mm	DIA Boss F mm	Approx Weight Kg	UOM	Pack Qty
243313	13 x 16	2.00	Grade S	Dee	Safety Pin	13	16	21	41	33	0.44	Each	60
243316	16 x 19	3.20	Grade S	Dee	Safety Pin	16	19	27	51	40	0.79	Each	35
243319	19 x 22	4.70	Grade S	Dee	Safety Pin	19	22	32	60	48	1.26	Each	20
243322	22 x 25	6.50	Grade S	Dee	Safety Pin	22	25	37	71	54	1.88	Each	12
243325	25 x 29	8.50	Grade S	Dee	Safety Pin	25	29	43	81	60	2.78	Each	10
243329	29 x 32	9.50	Grade S	Dee	Safety Pin	29	32	46	90	67	3.87	Each	8
243332	32 x 35	12.00	Grade S	Dee	Safety Pin	32	35	52	100	76	5.26	Each	4



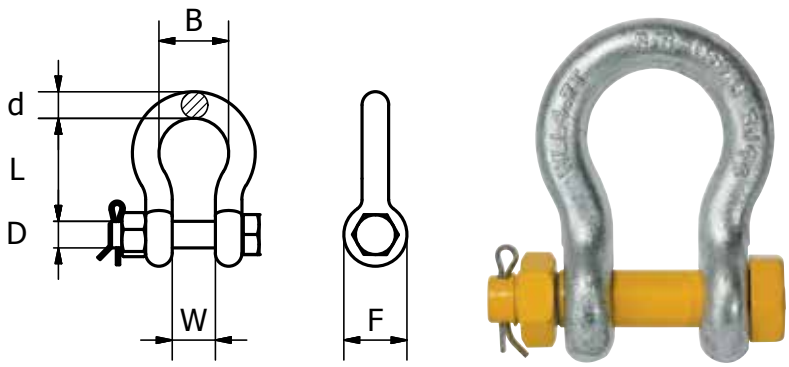




BEAVER YELLOW PIN GRADE 'S' SAFETY PIN SHACKLES TO AS 2741

Anchor Bow Type - Capacities 2.0 - 55 tonne

Code	Size mm	WLL Tonne	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 F mm	Approx Weight Kg	UOM	Pack Qty
244313	13 x 16	2.00	Grade S	Bow	Safety Pin	13	16	21	48	33	33	0.44	Each	50
244316	16 x 19	3.20	Grade S	Bow	Safety Pin	16	19	27	61	43	40	0.79	Each	30
244319	19 x 22	4.70	Grade S	Bow	Safety Pin	19	22	32	72	51	48	1.26	Each	20
244322	22 x 25	6.50	Grade S	Bow	Safety Pin	22	25	37	84	58	54	1.88	Each	12
244325	25 x 29	8.50	Grade S	Bow	Safety Pin	25	29	43	95	68	60	2.78	Each	10
244329	29 x 32	9.50	Grade S	Bow	Safety Pin	29	32	46	108	74	67	3.87	Each	6
244332	32 x 35	12.00	Grade S	Bow	Safety Pin	32	35	52	119	83	76	5.26	Each	4
244335	35 x 38	13.50	Grade S	Bow	Safety Pin	35	38	57	133	92	84	6.94	Each	4
244338	38 x 41	17.00	Grade S	Bow	Safety Pin	38	41	60	146	98	92	8.79	Each	2
244345	45 x 51	25.00	Grade S	Bow	Safety Pin	45	51	73	178	127	110	14.99	Each	1
244351	51 x 57	35.00	Grade S	Bow	Safety Pin	51	57	83	197	146	127	20.65	Each	1
244357	57 x 63	45.00	Grade S	Bow	Safety Pin	57	63	97	218	156	136	32.50	Each	1
244363	63 x 70	55.00	Grade S	Bow	Safety Pin	63	70	105	267	184	152	41.05	Each	1

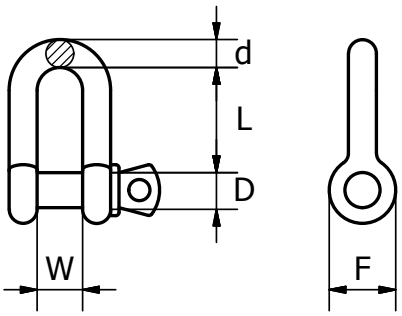


BEAVER GRADE 'M' SHACKLES

BEAVER GRADE 'M' LARGE DEE SHACKLES AS 2741

Self Colour - Capacities 0.5 - 20 tonne

Code	Size mm	WLL Tonne	Type	Finish	Shape	Closing Method	DIA d mm	DIA PIN D mm	Inside Width W mm	Inside Length L mm	DIA Boss F mm	Approx Weight Kg	UOM	Pack Qty
230010	10 x 13	0.50	Grade M	Self Colour	Dee	Screw	10	13	19	38	25	0.16	Each	200
230013	13 x 16	0.75	Grade M	Self Colour	Dee	Screw	13	16	28	54	32	0.35	Each	80
230016	16 x 19	1.50	Grade M	Self Colour	Dee	Screw	16	19	32	63	38	0.61	Each	50
230020	19 x 22	2.00	Grade M	Self Colour	Dee	Screw	19	22	38	73	44	1.10	Each	30
230023	22 x 25	3.00	Grade M	Self Colour	Dee	Screw	22	25	44	83	51	1.50	Each	25
230025	25 x 29	3.80	Grade M	Self Colour	Dee	Screw	25	29	51	95	57	2.14	Each	15
230028	29 x 32	5.00	Grade M	Self Colour	Dee	Screw	29	32	54	105	63	2.98	Each	10
230032	32 x 35	6.00	Grade M	Self Colour	Dee	Screw	32	35	60	114	70	3.10	Each	5
230035	35 x 38	7.00	Grade M	Self Colour	Dee	Screw	35	38	67	127	76	4.61	Each	5
230038	38 x 44	9.50	Grade M	Self Colour	Dee	Screw	38	44	70	137	89	8.01	Each	5
230042	41 x 48	11.00	Grade M	Self Colour	Dee	Screw	41	48	76	146	95	10.48	Each	3
230045	44 x 51	13.00	Grade M	Self Colour	Dee	Screw	44	51	83	156	102	12.65	Each	3
230050	51 x 57	16.00	Grade M	Self Colour	Dee	Screw	51	57	98	114	114	18.50	Each	1
230056	57 x 63	20.00	Grade M	Self Colour	Dee	Screw	57	63	108	210	127	28.00	Each	1

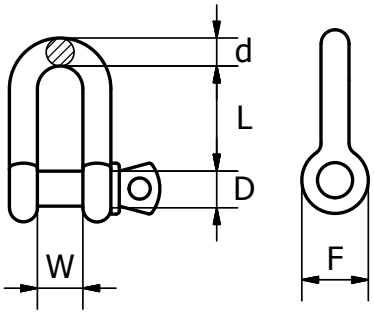




BEAVER GRADE 'M' GRADE DEE SHACKLES AS 2741

Galvanised - Capacities 0.25 - 20 tonne

Code	Size mm	WLL Tonne	Type	Finish	Shape	Closing Method	DIA d mm	DIA PIN D mm	Inside Width W mm	Inside Length L mm	DIA Boss F mm	Approx Weight Kg	UOM	Pack Qty
230306	6 x 10	0.25	Grade M	Galvanised	Dee	Screw	6	10	13	25	19	0.061	Each	600
230310	10 x 13	0.50	Grade M	Galvanised	Dee	Screw	10	13	19	38	25	0.16	Each	200
230313	13 x 16	0.75	Grade M	Galvanised	Dee	Screw	13	16	28	54	32	0.35	Each	80
230316	16 x 19	1.50	Grade M	Galvanised	Dee	Screw	16	19	32	63	38	0.61	Each	50
230320	19 x 22	2.00	Grade M	Galvanised	Dee	Screw	19	22	38	73	44	1.10	Each	30
230323	22 x 25	3.00	Grade M	Galvanised	Dee	Screw	22	25	44	83	51	1.50	Each	25
230325	25 x 29	3.80	Grade M	Galvanised	Dee	Screw	25	29	51	95	57	2.14	Each	15
230328	29 x 32	5.00	Grade M	Galvanised	Dee	Screw	29	32	54	105	63	2.98	Each	10
230332	32 x 35	6.00	Grade M	Galvanised	Dee	Screw	32	35	60	114	70	3.10	Each	5
230335	35 x 38	7.00	Grade M	Galvanised	Dee	Screw	35	38	67	127	76	4.61	Each	5
230338	38 x 44	9.50	Grade M	Galvanised	Dee	Screw	38	44	70	137	89	8.01	Each	5
230342	41 x 48	11.00	Grade M	Galvanised	Dee	Screw	41	48	76	146	95	10.48	Each	3



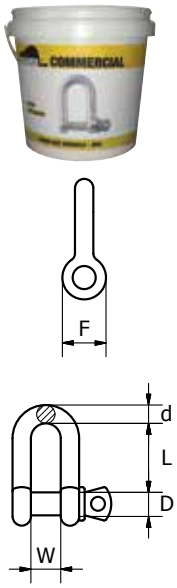


BEAVER COMMERCIAL GRADE SHACKLES IN BUCKETS

BEAVER COMMERCIAL HOT DIPPED GALVANISED

Dee Shackle - Sizes 5mm - 25mm

Code	Size mm	Finish	Shape	Closing Method	Round Bucket Litres	W (mm)	L (mm)	D (mm)	d (mm)	F (mm)	Qty / Bucket	Weight / Bucket kg
200305P	5	Galvanised	Dee	Screw	0.75	11	19	7	4.5	10	50	0.68
200306P	6	Galvanised	Dee	Screw	0.75	13	26	7	5.5	11	50	1.24
200308P	8	Galvanised	Dee	Screw	1	18	32	9	7.8	16	40	2.2
200310P	10	Galvanised	Dee	Screw	2	19	38	11	9.8	19	30	3.36
200313P	13	Galvanised	Dee	Screw	4	29	55	15	13	26	30	7.0
200316P	16	Galvanised	Dee	Screw	4	33	60	18	15.5	30	20	9.18
200320P	20	Galvanised	Dee	Screw	2	39	75	22	19	33	6	5.8
200323P	23	Galvanised	Dee	Screw	4	45	80	25	22	38	6	5.8
200325P	25	Galvanised	Dee	Screw	4	45	80	25	22	38	6	10.2



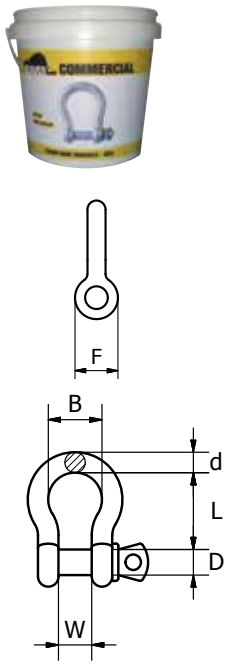
NOT TO BE USED FOR LIFTING

Commercial products specifications may vary to + or - 10% on actual dimensions

BEAVER COMMERCIAL HOT DIPPED GALVANISED

Bow Shackle - Sizes 5mm - 25mm

Code	Size mm	Finish	Shape	Closing Method	Round Bucket Litres	W (mm)	L (mm)	D (mm)	d (mm)	B (mm)	F (mm)	Qty / Bucket	Weight / Bucket kg
205305P	5	Galvanised	Bow	Screw	0.75	11	22	7	4.5	16	11	50	0.36
205306P	6	Galvanised	Bow	Screw	0.75	13	26	7	5.5	20	12	50	1.32
205308P	8	Galvanised	Bow	Screw	1	18	31	9	7.8	24	16	40	2.3
205310P	10	Galvanised	Bow	Screw	2	19	38	11	9.8	30	18	30	3.4
205313P	13	Galvanised	Bow	Screw	4	29	55	15	13	38	26	30	6.98
205316P	16	Galvanised	Bow	Screw	4	33	58	18	15.5	45	29	20	9.68
205320P	20	Galvanised	Bow	Screw	2	39	76	22	19	56	33	6	5.4
205325P	25	Galvanised	Bow	Screw	4	50	96	27	24	76	45	6	10.66



NOT TO BE USED FOR LIFTING

Commercial products specifications may vary to + or - 10% on actual dimensions

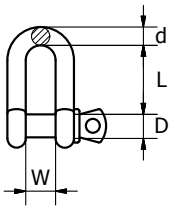
BEAVER COMMERCIAL ELECTRO GALVANISED

Dee Shackle - Sizes 5mm - 25mm

Code	Size mm	Finish	Shape	Closing Method	Round Bucket Litres	W (mm)	L (mm)	D (mm)	d (mm)	F (mm)	Qty / Bucket	Weight / Bucket kg
200205P	5	Electro Galvanised	Dee	Screw	0.75	11	19	7	4.5	10	50	0.7
200206P	6	Electro Galvanised	Dee	Screw	0.75	13	26	7	5.5	11	50	1.24
200208P	8	Electro Galvanised	Dee	Screw	1	18	32	9	7.8	16	40	2.2
200210P	10	Electro Galvanised	Dee	Screw	2	19	38	11	9.8	19	30	3.24
200213P	13	Electro Galvanised	Dee	Screw	4	29	55	15	13	26	30	6.88
200216P	16	Electro Galvanised	Dee	Screw	4	33	60	18	15.5	30	20	8.98
200220P	20	Electro Galvanised	Dee	Screw	2	39	75	22	19	33	6	4.88
200225P	25	Electro Galvanised	Dee	Screw	4	50	90	27	24	45	6	9.86







NOT TO BE USED FOR LIFTING

Commercial products specifications may vary to + or - 10% on actual dimensions







SECTION 5 / RIGGING HARDWEAR

CONTENTS

BEAVER RIGGING SCREWS
BEAVER STUB TURNBUCKLES
BEAVER SUPER BUCKLES
BEAVER COMMERCIAL TURNBUCKLES
BEAVER LIFTING EYEBOLTS – COLLARED
BEAVER LIFTING EYEBOLTS – SHOULDERED
BEAVER LIFTING EYENUTS – SHOULDERED
BEAVER CHAIN SPLIT LINKS
BEAVER SNAP HOOKS, QUICK LINKS, MOORING SWIVELS
BEAVER MOORING SWIVELS



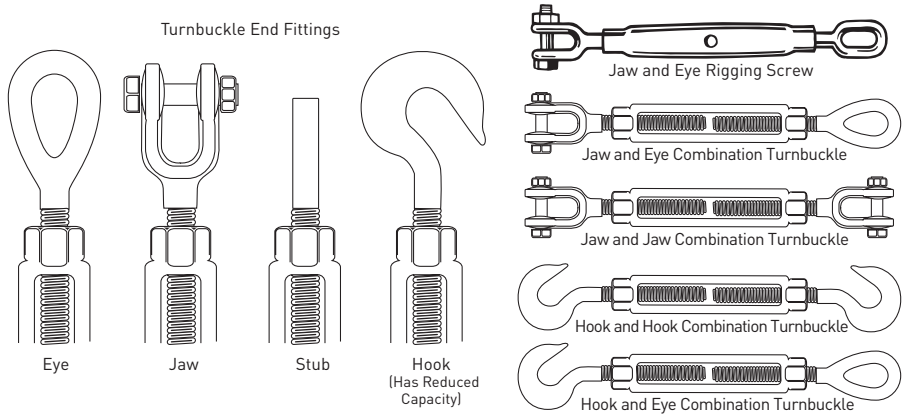
Beaver maintains a comprehensive range of rigging hardware items for the most rigorous working environment. Comprising of turnbuckles in all configurations, collared eyebolts and eye nuts, chain split links, snap hooks, quick links and swivels we have the range to suit your work load.

BEAVER RIGGING SCREWS

BEAVER RATED RIGGING HARDWARE

Beaver Rated Rigging Hardware complies with a number of different standards. They have a working load limit (WLL) and are rated for lifting applications. Beaver's range of quality rigging hardware is manufactured from the finest milling techniques and designed for both heavy industry use and general hardware applications.

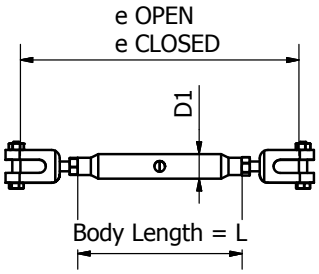
BEAVER RIGGING SCREWS AND TURNBUCKLES

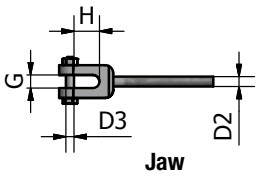


BEAVER JAW AND JAW RIGGING SCREWS WITH LOCKNUTS BS 4429

Tested Hot Dipped Galvanised

Code	Size mm	Finish	e Open mm	e Closed mm	L mm	D1 mm	D2 mm	D3 mm	G mm	H mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
328310	10	Galvanised	349	235	152	21	10	8	11	21	0.3	100	44	Each
328313	13	Galvanised	524	343	229	25	13	9	19	35	0.5	50	85	Each
328316	16	Galvanised	550	361	229	27	16	13	22	51	0.75	30	140	Each
328320	20	Galvanised	550	387	229	34	20	16	22	48	1.25	20	220	Each
328324	24	Galvanised	822	556	356	42	24	22	32	65	2.5	10	450	Each
328333	33	Galvanised	872	604	381	51	33	24	38	76	5	5	640	Each
328338	38	Galvanised	949	670	407	57	38	33	47	90	6	10	1260	Each
328350	50	Galvanised	977	743	407	76	48	42	51	121	10	5	2400	Each







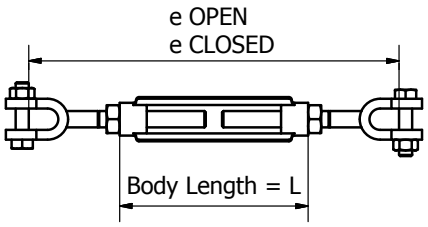


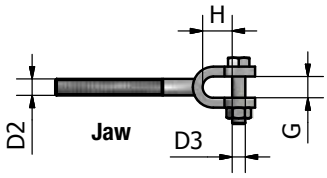
BEAVER SUPER BUCKLES

BEAVER SUPER BUCKLES JAW AND JAW WITH LOCK NUTS. FEDERAL SPEC FF-T-791

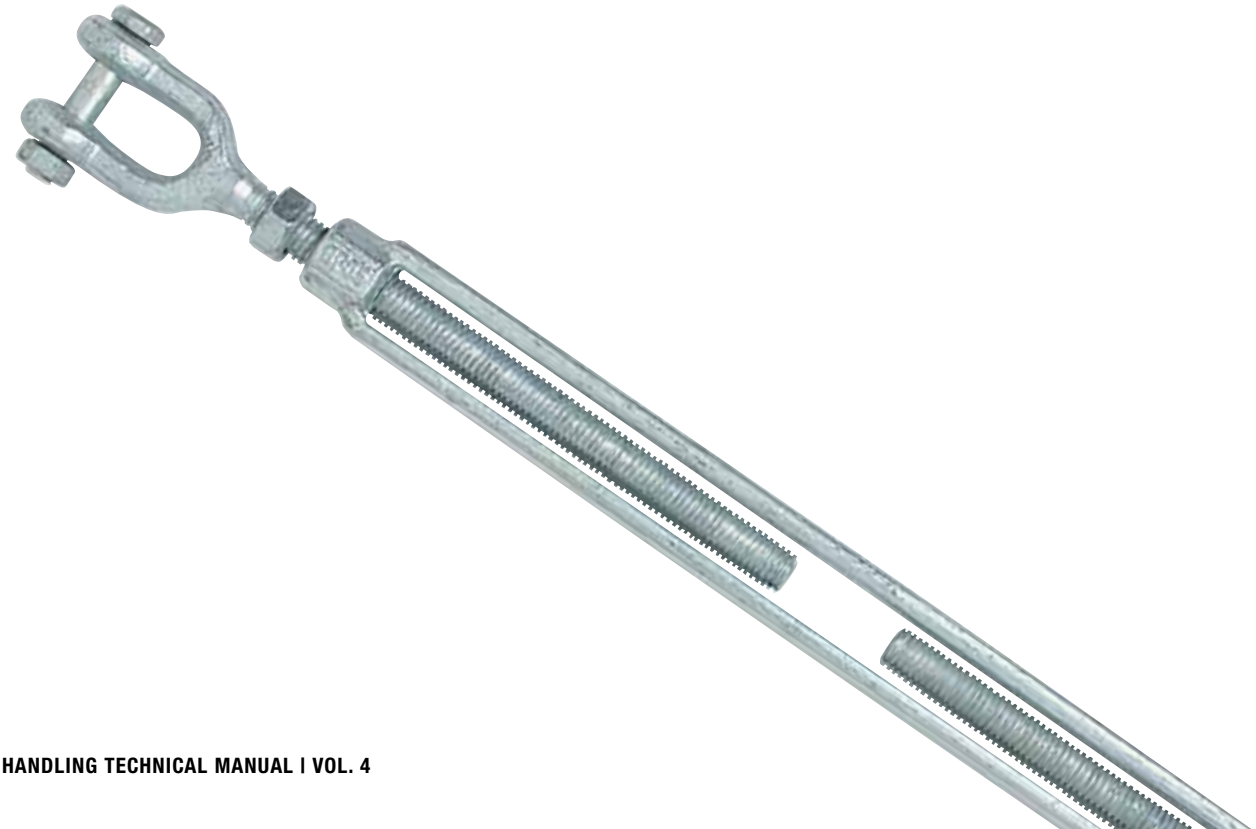
Forged Hot Dipped Galvanised

Code	Size Inches	Finish	e Open mm	e Closed mm	L mm	D2 mm	D3 mm	G mm	H mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
322412	12 x 305	Galvanised	760	465	343	12.4	10	16.8	28.7	0.9	20	109	Each
322416	16 x 305	Galvanised	795	510	350	15.5	12.5	19.3	35.3	1.5	10	177.5	Each
322419	19 x 305	Galvanised	810	520	359	18.9	15.9	21.6	37.9	2.3	8	298	Each
322422	22 x 305	Galvanised	850	560	365	21.5	19.9	28.4	42.6	3.2	5	371	Each
322425	25 x 305	Galvanised	890	610	374	25.5	22.1	28.4	52	4.5	4	596.5	Each









BEAVER COMMERCIAL TURNBUCKLES

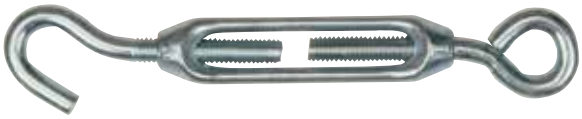
BEAVER COMMERCIAL RIGGING HARDWARE

Beaver Commercial Rigging Hardware intended use is for non-lifting applications, such as; guying and rigging of fences, pillars etc. In order to increase corrosion against the toughest environment, they are available in both hot dipped galvanised and electro plated.

BEAVER HOOK AND EYE COMMERCIAL TURNBUCKLES

Electro Plated

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
320205	5	Electro Plated	500	15	Each
320206	6	Electro Plated	200	16	Each
320208	8	Electro Plated	150	24	Each
320210	10	Electro Plated	100	39	Each

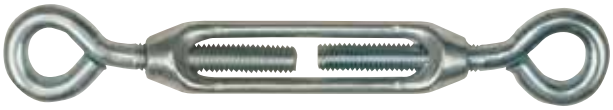


Size & Dimension will have a +10% or -10%

BEAVER EYE AND EYE COMMERCIAL TURNBUCKLES

Electro Plated

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
321205	5	Electro Plated	500	15	Each
321206	6	Electro Plated	200	16	Each
321208	8	Electro Plated	150	24	Each
321210	10	Electro Plated	75	39	Each



Size & Dimension will have a +10% or -10%

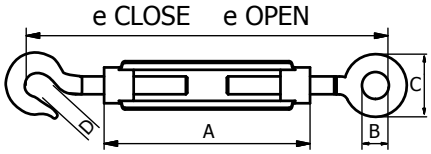
BEAVER COMMERCIAL TURNBUCKLES (CONT'D)

BEAVER HOOK AND EYE COMMERCIAL TURNBUCKLES

Forged Hot Dipped Galvanised

Code	Size mm	Open mm	Closed mm	A mm	B mm	C mm	D mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
323206	6	225	153	99.5	9	19	9	Galvanised	250	8	Each
323208	8	250	161	120	11	22	11.5	Galvanised	150	14	Each
323210	10	330	220	150	14	27	14.5	Galvanised	100	26	Each
323213	13	415	265	191	16.5	34	14.5	Galvanised	40	50	Each
323216	16	520	335	250	24	46.5	19	Galvanised	25	100	Each
323220	20	595	400	290	27.3	53	25.5	Galvanised	15	168	Each
323223	22	700	440	325	31.5	66	24.5	Galvanised	8	246	Each
323225	25	720	480	337	32.5	67	26	Galvanised	8	256	Each

Size & Dimension will have +10% or -10%



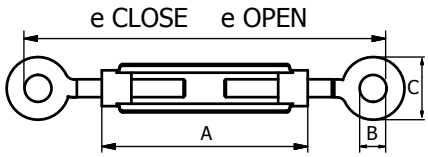


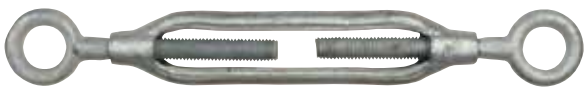
BEAVER EYE AND EYE COMMERCIAL TURNBUCKLES

Forged Hot Dipped Galvanised

Code	Size mm	Open mm	Closed mm	A mm	B mm	C mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
324206	6	200	132	98	10	19.5	Galvanised	250	8	Each
324208	8	250	166	123	11	22	Galvanised	150	14	Each
324210	10	295	188	144	12	25	Galvanised	100	26	Each
324213	13	420	255	297	17	33.5	Galvanised	40	50	Each
324216	16	525	340	250	24	45.5	Galvanised	25	100	Each
324220	20	605	395	285	28	52	Galvanised	15	168	Each
324225	25	720	490	345	32.5	67	Galvanised	8	256	Each

Size & Dimension will have +10% or -10%



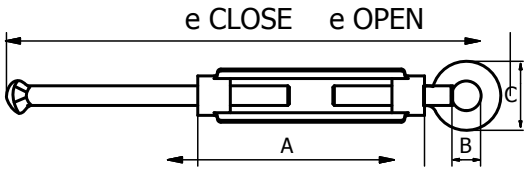


BEAVER FENCE STRAINING SCREWS

Forged Hot Dipped Galvanised

Code	Size mm	Open mm	Closed mm	A mm	B mm	C mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
326216	16	740	555	250	25	50	Galvanised	20	124	Each

Size & Dimension will have +10% or -10%



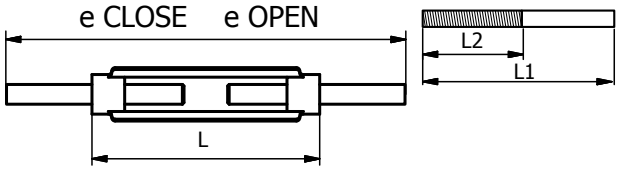


BEAVER FORGED STUB AND STUB COMMERCIAL TURNBUCKLES

Hot Dipped Galvanised Body and Black Stub End

Code	Size mm	Finish	Open mm	Closed mm	L mm	L1 mm	L2 mm	Pack Qty	Weight Per 100 (kg)	UOM
325010	10	Galvanised	500	320	144	170	80	100	26	Each
325013	13	Galvanised	560	395	190	200	100	40	50	Each
325016	16	Galvanised	682	500	250	240	115	25	100	Each
325020	20	Galvanised	759	555	295	260	130	15	168	Each
325023	23	Galvanised	800	585	320	270	140	8	246	Each
325025	25	Galvanised	800	610	350	300	170	8	256	Each

Size & Dimension will have +10% or -10%. NOTE: Size does not represent thread.

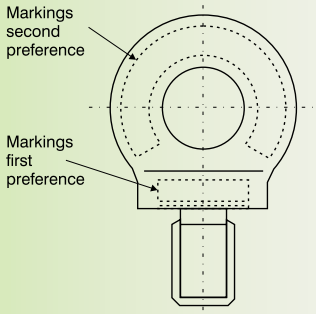




BEAVER LIFTING EYEBOLTS – COLLARED

BEAVER LIFTING EYEBOLTS AND EYENUTS

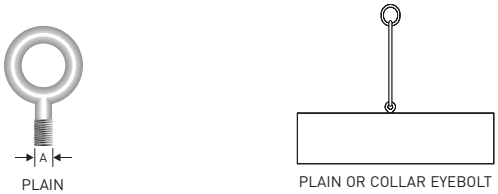
Beaver Lifting Eyebolts and Eyenuts come in a range of threads including BSW, UNC and Metric and are predominately used for lifting applications.
Eyebolts and Eyenuts both carry the markings as depicted in image below.



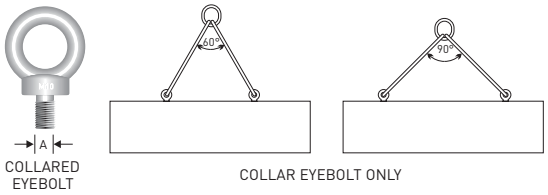
It is recommended that all Eyebolts used for lifting be of forged steel and be equipped with shoulders or collars. The plain or shoulderless eyebolt is fine for vertical loading but as soon as it is loaded at an angle it is subjected to bending and the load it can safely carry is reduced.

BEAVER LIFTING EYEBOLTS AND EYENUTS

VERTICAL LIFT ONLY
PLAIN EYEBOLT IS ACCEPTABLE



ANGULAR LIFTS
COLLARED EYEBOLT ONLY



The Australian Standard covering collared Eyebolts is AS 2317-1984.
The section on "Care and Use of Eyebolts" is taken from that standard.

NB: Only use rated Eyebolts for lifting.

WLL for Class 3 load application as specified by AS 1418, Part 1

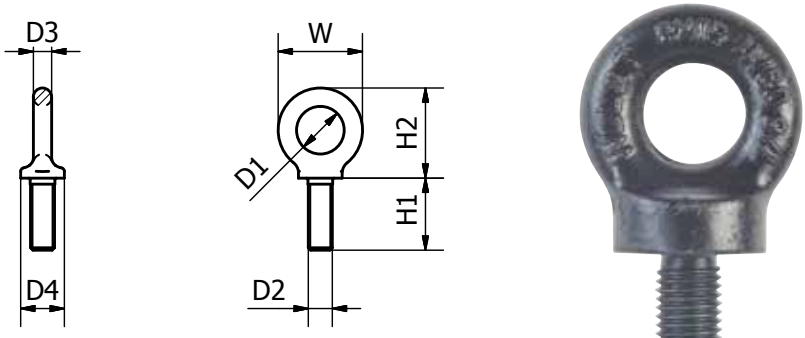
tonnes

1	2	3	4	5	6	7
Nominal size of Eyebolt	WLL for Class 3 load application as specified by AS 1418, Part 1					
	Single Eyebolt		Pair of Eyebolts (see note)			
	Axial	Trunnion-type mounting	Perpendicular	Included angle 30°	Included angle 60°	Included angle 90°
M12	0.32	0.08	0.16	0.40	0.26	0.16
M16	0.63	0.16	0.32	0.79	0.50	0.32
M20	1.25	0.31	0.63	1.60	1.00	0.63
M24	2.00	0.50	1.00	2.50	1.60	1.00
M30	3.20	0.80	1.60	4.00	2.60	1.60
M36	6.00	1.30	2.60	6.30	4.00	2.50
M42	6.30	1.60	3.20	7.90	5.00	3.20
M48	8.00	2.00	4.00	10.00	6.40	4.00
M56	12.00	3.00	6.00	15.00	9.60	6.00
M64	16.00	4.00	8.00	20.00	13.00	8.00
M72	20.00	6.00	10.00	25.00	16.00	10.00
	Reduction factor for single Eyebolt					
	1	0.25	0.25	0.63	0.40	0.25

BEAVER LIFTING COLLARED EYEBOLTS WITH B.S.W THREAD

Conforms to AS 2317

Code	Size Inches	Finish	W mm	H1 mm	H2 mm	D1 mm	D2 mm	D3 mm	D4 mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
358010	3/8”	Self Colour	32	17	37	15	9.53	9	21	0.25	400	5.5	Each
358013	1/2”	Self Colour	41	22	42.5	19	12.05	11	28	0.4	150	14.6	Each
358016	5/8”	Self Colour	52	28	58	24	15.88	14	35	0.8	60	30	Each
358019	3/4”	Self Colour	62	33	69	28	19.05	17	43	1.6	40	52.5	Each
358022	7/8”	Self Colour	73	39	80.5	33	22.23	20	50	2	20	90	Each
358025	1”	Self Colour	82	44	92	38	25.40	22	57	2.5	15	106	Each
358028	1-1/8”	Self Colour	92	50	103	42	28.58	25	64	3.5	10	160	Each
358032	1-1/4”	Self Colour	104	55	116	47	31.75	28	71	5	6	260	Each





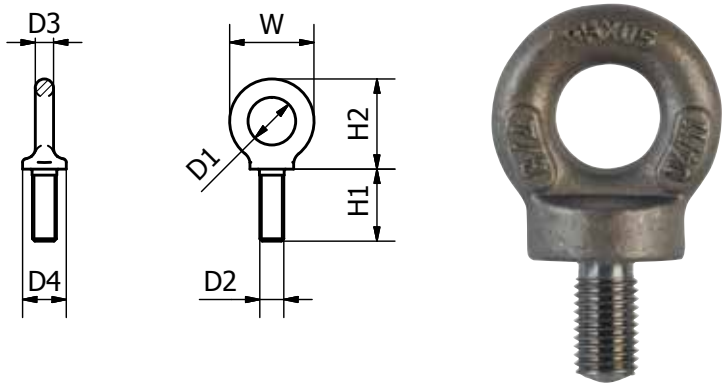


BEAVER LIFTING EYEBOLTS - COLLARED (CONT'D)

BEAVER LIFTING COLLARED EYEBOLTS WITH UNC THREAD BS 529

Conforms to AS 2317

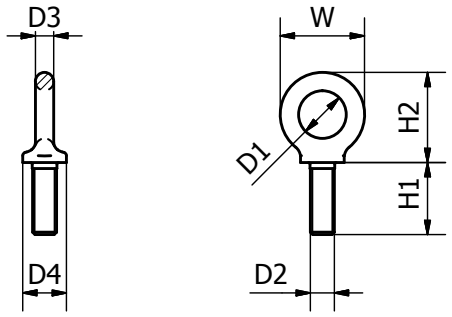
Code	Size Inches	Finish	W mm	H1 mm	H2 mm	D1 mm	D2 mm	D3 mm	D4 mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
360010	3/8"	Self Colour	33	9	36	15	9.53	9	22	0.25	400	6	Each
360012	1/2"	Self Colour	44	24	48	20	12.70	11	28	0.4	150	15	Each
360016	5/8"	Self Colour	52	14	58	24	15.88	14	36	0.8	60	27	Each
360019	3/4"	Self Colour	66	37	73	28.5	19.05	19	45	1.4	40	54	Each
360022	7/8"	Self Colour	77	20	84	35	22.23	21	52	2	40	85	Each
360025	1"	Self Colour	85	22	94	39	25.40	23	58	2.5	25	113	Each
360032	1-1/4"	Self Colour	106	28	117	48	31.75	29	72	5	6	237	Each
360038	1-1/2"	Self Colour	118	66	131	54	38.10	32	81	7	6	312	Each



BEAVER LIFTING COLLARED EYEBOLTS WITH METRIC THREADS BS 4278

"Gold" Zinc Dichromate Finish, Conforms to AS 2317

Code	Size mm	Finish	W mm	H1 mm	H2 mm	D1 mm	D2 mm	D3 mm	D4 mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
359008	8	Zinc Dichromate	33	18	36	15	8	18	22	0.15	400	6	Each
359010	10	Zinc Dichromate	33	18	36	15	10	18	22	0.25	180	6	Each
359012	12	Zinc Dichromate	33	18	36	15	12	18	22	0.4	110	6	Each
359016	16	Zinc Dichromate	44	23	48	20	16	24	29	0.8	80	15	Each
359020	20	Zinc Dichromate	59	32	65	27	20	32	40	1.6	45	38	Each
359022	22	Zinc Dichromate	64	35	73	30	22	34	45	1.6	30	54	Each
359024	24	Zinc Dichromate	77	40	84	35	20	42	52	2.5	10	85	Each
359030	30	Zinc Dichromate	96	51	106	44	30	52	65	4	4	162	Each

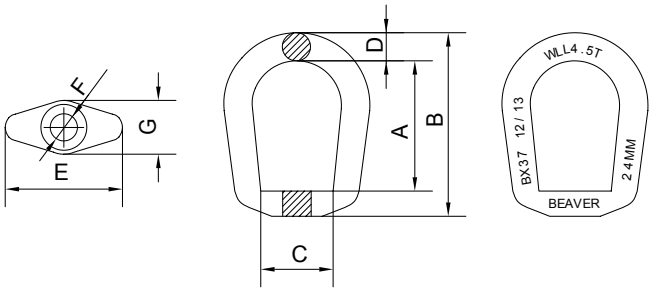




BEAVER LIFTING EYE NUT WITH METRIC THREAD

Self Colour Finish, Conforms to AS 2317

Code	Size mm	Finish	A	B	C	D	E	F	G	WLL. (tonnes)	Weight (Kg)	UOM
360024	24	Self Colour	77	126	47.5	22	89	24	53	4.5	1.47	Each



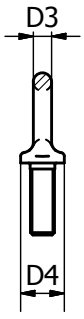


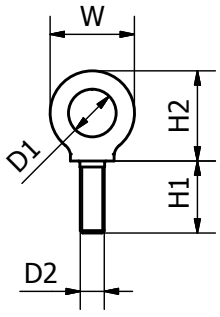
BEAVER LIFTING EYEBOLTS – SHOULDERED

BEAVER METRIC SHOULDERED EYEBOLTS

"Gold" Zinc Dichromate Finish, Conforms to AS 2317

Code	Size mm	Finish	W mm	H1 mm	H2 mm	D1 mm	D2 mm	D3 mm	D4 mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
359108	8	Zinc Dichromate	36	13	36	20	8	8	20	0.14	400	6	Each
359110	10	Zinc Dichromate	45	17	45	25	10	10	25	0.23	180	11	Each
359112	12	Zinc Dichromate	54	20.5	52	30	12	12	30	0.34	110	18	Each
359116	16	Zinc Dichromate	63	27	61	35	16	14	35	0.7	80	28	Each
359120	20	Zinc Dichromate	72	30	70	40	20	16	40	1.2	50	45	Each
359122	22	Zinc Dichromate	81	35	80	45	22	18	45	1.5	30	67	Each
359124	24	Zinc Dichromate	90	36	90	50	24	20	50	1.8	20	87	Each
359130	30	Zinc Dichromate	108	45	110	60	30	24	65	3.6	4	166	Each
359136	36	Zinc Dichromate	126	54	130	70	36	28	75	5.1	4	265	Each







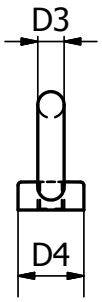


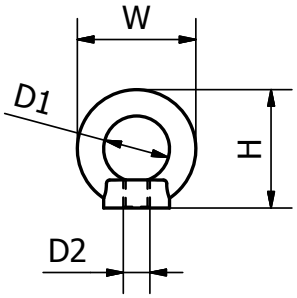
BEAVER LIFTING EYE NUTS – SHOULDERED

BEAVER METRIC SHOULDERED EYE NUTS TO DIN 582

"Gold" Zinc Dichromate Finish

Code	Size mm	Finish	W mm	H mm	D1 mm	D2 mm	D3 mm	D4 mm	WLL Tonne	Pack Qty	Weight Per 100 (kg)	UOM
359208	8	Zinc Dichromate	36	36	20	8	8	20	0.14	400	5	Each
359210	10	Zinc Dichromate	45	45	25	10	10	25	0.23	180	9	Each
359212	12	Zinc Dichromate	54	52	30	12	12	30	0.34	110	16	Each
359216	16	Zinc Dichromate	63	61	35	16	14	35	0.7	80	24	Each
359220	20	Zinc Dichromate	72	70	40	20	16	40	1.2	50	36	Each
359222	22	Zinc Dichromate	81	80	45	22	18	45	1.5	30	58	Each
359224	24	Zinc Dichromate	90	90	50	24	20	50	1.8	20	72	Each









BEAVER CHAIN SPLIT LINKS

BEAVER CHAIN SPLIT LINKS

Electro Galvanised

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
420103	3.5	Electro Galvanised	5000	0.41	Each
420105	5	Electro Galvanised	1500	1.72	Each
420106	6	Electro Galvanised	800	3	Each
420108	8	Electro Galvanised	400	6.9	Each
420110	10	Electro Galvanised	200	12	Each
420113	13	Electro Galvanised	120	23	Each



BEAVER CHAIN SPLIT LINKS

Hot Dipped Galvanised

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
420303	3.5	Hot Dipped Galvanised	5000	0.41	Each
420305	5	Hot Dipped Galvanised	1500	1.72	Each
420306	6	Hot Dipped Galvanised	800	3	Each
420308	8	Hot Dipped Galvanised	400	6.9	Each
420310	10	Hot Dipped Galvanised	200	12	Each
420313	13	Hot Dipped Galvanised	120	23	Each



BEAVER SNAP HOOKS, QUICK LINKS, MOORING SWIVELS

BEAVER SNAP HOOKS

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
425204	4	Electro Galvanised	2500	1.4	Each
425205	5	Electro Galvanised	1400	1.6	Each
425206	6	Electro Galvanised	1000	2.7	Each
425207	7	Electro Galvanised	700	4.4	Each
425208	8	Electro Galvanised	400	6.5	Each
425210	10	Electro Galvanised	200	12.7	Each



BEAVER QUICK LINKS

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
420603	3.5	Electro Galvanised	3000	0.908	Each
420605	5	Electro Galvanised	1250	2.27	Each
420606	6	Electro Galvanised	800	3.632	Each
420608	8	Electro Galvanised	400	8.172	Each



BEAVER MOORING SWIVELS

BEAVER COMMERCIAL MOORING SWIVELS

Eye and Bow Type

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
330306	6	Galvanised	250	8.4	Each
330308	8	Galvanised	150	16.2	Each
330310	10	Galvanised	80	27.8	Each
330313	13	Galvanised	35	48.3	Each
330316	16	Galvanised	25	85.0	Each
330320	20	Galvanised	12	134.1	Each
330323	23	Galvanised	10	200.0	Each
330325	25	Galvanised	5	315.0	Each
330328	28	Galvanised	5	640.0	Each



BEAVER COMMERCIAL CHAIN SWIVELS

Bow and Bow Type

Code	Size mm	Finish	Pack Qty	Weight Per 100 (kg)	UOM
335306	6	Galvanised	250	6.0	Each
335308	8	Galvanised	150	13.5	Each
335310	10	Galvanised	80	25.0	Each
335313	13	Galvanised	35	56.0	Each
335316	16	Galvanised	25	120.0	Each
335320	20	Galvanised	12	180.0	Each
335323	23	Galvanised	10	250.0	Each
335325	25	Galvanised	5	410.0	Each





SECTION 6 / STEEL WIRE & ROPE FITTINGS

CONTENTS

BEAVER STEEL WIRE AND ROPE FITTINGS PRODUCT INFORMATION
BEAVER 6X24 G1570 FIBRE CORE GALVANISED WIRE
BEAVER 6X19 G1570 FIBRE CORE GALVANISED WIRE
BEAVER 6X7 G1570 FIBRE CORE GALVANISED WIRE
BEAVER PVC G1570 FIBRE CORE GALVANISED WIRE
BEAVER 7X19 / 6X25 / 7X7 G2070 / G1570 IWRC GALVANISED WIRE
BEAVER 7X7 G2070 WRC RHOL GALVANISED WIRE
BEAVER 6X36 G1770 IWRC GALVANISED WIRE
BEAVER 6X25 B1770 / G2070 BLACK & GALVANISED WIRE
BEAVER 19X7 / 35X7 G2070 / B2070 NON-ROTATING WIRE
BEAVER WIRE ROPE GRIPS GALVANISED AS 2076
BEAVER WIRE ROPE THIMBLES AS 1138
BEAVER WIRE ROPE FERRULES DIN 3902
BEAVER COMMERCIAL WIRE ROPE THIMBLES AND GRIPS
BEAVER CLOSED TYPE SOCKETS
BEAVER OPEN TYPE SOCKETS



Beaver maintains a wide range of wire rope and fittings that can be used for towing and lifting applications. Furthermore Beaver has the ability to offer manufactured slings made to order. With Beaver's ISO Quality and NATA accredited testing facilities Beaver remains the primary choice for your wire rope and fitting requirements.

Beaver offer a full in depth range comprising of wire rope, thimbles, ferrules, sockets and grips.

BEAVER STEEL WIRE & ROPE FITTINGS PRODUCT INFORMATION

TABLE OF WORKING LOAD LIMITS FOR STANDARD GALVANISED SLINGS

Grade 1570, Fibre Core to AS 1666.1 & AS 1666.2

Wire Rope DIA. mm MN Breaking Force KN		Direct Load	Choke Hitch		Direct Load			Choke Hitch				Basket Hitch							
			Round Load	Rectangular Load				Round Load		Other Than Round Load		Round Load				Other Than Round Load			
								Single Wrap	Double Wrap	Single Wrap	Double Wrap								
Included Angle					0°-60°	90°	120°	0°-45°	0°-60°	0°-45°	0°-60°	0°	60°	90°	120°	0°	60°	90°	120°
Loading Factors		1x 0.95	0.75 x 0.95	0.5 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.30 x 0.95		0.87 x 0.95		2 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1 x 0.95	0.87 x 0.95	0.71 x 0.95	0.5 x 0.95
WLL in Tonnes for 1570 Grade Fibre Core																			
8	28.7	0.55	0.41	0.27	0.96	0.78	0.55	0.72		0.48		1.11	0.96	0.78	0.55	0.55	0.48	0.39	0.27
9	35.4	0.70	0.52	0.35	1.21	0.99	0.70	0.91		0.61		1.40	1.21	0.99	0.70	0.70	0.61	0.50	0.35
10	4439	0.86	0.65	0.43	1.50	1.22	0.86	1.13		0.75		1.73	1.50	1.22	0.86	0.86	0.75	0.61	0.43
11	54.3	1.05	0.78	0.52	1.81	1.48	1.05	1.36		0.91		2.10	1.81	1.48	1.05	1.05	0.91	0.74	0.52
12	64.0	1.23	0.92	0.61	2.14	1.74	1.23	1.61		1.07		2.47	2.14	1.74	1.23	1.23	1.07	0.88	0.61
13	74.9	1.47	1.10	0.73	2.54	2.07	1.47	1.91		1.27		2.94	2.54	2.04	1.47	1.47	1.27	1.04	0.73
14	88.0	1.70	1.27	0.85	2.94	2.40	1.70	2.21		1.48		3.40	2.94	2.40	1.70	1.70	1.48	1.21	0.85
16	115	2.22	1.67	1.11	3.85	3.14	2.22	2.89		1.93		4.45	3.85	3.14	2.22	2.22	1.93	1.58	1.11
18	145	2.80	2.10	1.40	4.85	3.95	2.80	3.65		2.44		5.61	4.85	3.95	2.80	2.80	2.44	1.99	1.40
20	180	3.48	2.61	1.74	5.63	4.91	3.48	4.53		3.03		6.97	6.0	4.91	3.48	3.48	3.03	2.47	1.74
22	217	4.20	3.15	2.10	7.27	5.92	4.20	5.46		3.65		8.40	7.27	5.92	4.20	4.20	3.65	2.98	2.10
24	259	5.01	3.76	2.50	8.67	6.9	5.01	6.52		4.36		10.03	8.67	7.07	5.01	5.01	4.36	3.56	2.50
26	304	5.88	4.41	2.94	10.18	8.30	5.88	7.65		5.12		11.77	10.18	8.30	5.88	5.88	5.12	4.18	2.94
28	352	6.81	5.11	3.40	11.79	9.61	6.81	8.86		5.93		13.63	11.79	9.61	6.81	6.81	5.93	4.84	3.40
32	460	8.9	6.68	4.45	15.41	12.56	8.9	11.58		7.75		17.81	15.11	12.56	8.90	8.90	7.75	6.32	4.45

TABLE OF WORKING LOAD LIMITS FOR STANDARD GALVANISED SLINGS

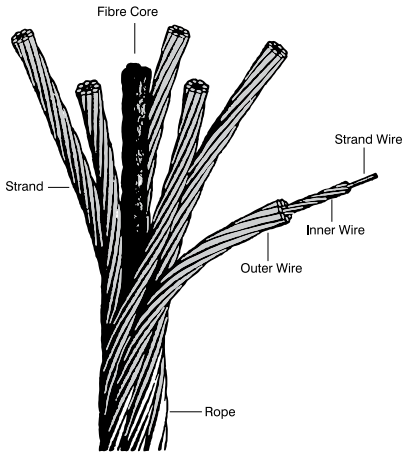
Grade 1770, Steel Core to AS 1666.1 & AS 1666.2

Wire Rope DIA. mm MN Breaking Force KN		Direct Load	Choke Hitch		Direct Load			Choke Hitch				Basket Hitch							
			Round Load	Rectangular Load				Round Load		Other Than Round Load		Round Load				Other Than Round Load			
								Single Wrap	Double Wrap	Single Wrap	Double Wrap								
Included Angle					0°-60°	90°	120°	0°-45°	0°-60°	0°-45°	0°-60°	0°	60°	90°	120°	0°	60°	90°	120°
Loading Factors		1x 0.95	0.75 x 0.95	0.5 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.30 x 0.95		0.87 x 0.95		2 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1 x 0.95	0.87 x 0.95	0.71 x 0.95	0.5 x 0.95
WLL in Tonnes for 1770 Grade Steel Core																			
8	40.2	0.78	0.58	0.39	1.35	1.1	0.78	1.01		0.68		1.56	1.35	1.1	0.78	0.78	0.68	0.55	0.39
9	51.1	0.99	0.74	0.49	1.71	1.4	0.99	1.29		0.86		1.98	1.71	1.4	0.99	0.99	0.86	0.7	0.49
10	63.1	1.22	0.92	0.61	2.1	1.72	1.22	1.59		1.06		2.4	2.1	1.72	1.22	1.22	1.06	0.87	0.61
11	76.3	1.48	1.11	0.74	2.6	2.1	1.48	1.92		1.29		3	2.6	2.1	1.48	1.48	1.29	1.05	0.74
12	90.8	1.76	1.32	0.88	3	2.5	1.76	2.3		1.53		3.5	3	2.5	1.76	1.76	1.53	1.25	0.88
13	107.0	2.1	1.55	1.04	3.6	2.9	2.1	2.7		1.8		4.1	3.6	2.9	2.1	2.1	1.8	1.47	1.04
14	124.0	2.4	1.8	1.2	4.2	3.4	2.4	3.1		2.1		4.8	4.2	3.4	2.4	2.4	2.1	1.71	1.2
16	161.0	3.1	2.3	1.56	5.4	4.4	3.1	4.1		2.7		6.2	5.4	4.4	3.1	3.1	2.7	2.2	1.56
18	204.0	4.0	3	1.98	6.8	5.6	4	5.1		3.4		7.9	6.8	5.6	4	4	3.4	2.8	1.98
20	252.0	4.9	3.7	2.4	8.4	6.9	4.9	6.3		4.2		9.8	8.4	6.9	4.9	4.9	4.2	3.5	2.4
22	305.0	5.9	4.4	3	10.2	8.3	5.9	7.7		5.1		11.8	10.2	8.3	5.9	5.9	5.1	4.2	3
24	363.0	7	5.3	3.5	12.2	9.9	7	9.1		6.1		14.1	12.2	9.9	7	7	6.1	5	3.5
26	426.0	8.3	6.2	4.1	14.3	11.6	8.3	10.7		7.2		16.5	14.3	11.6	8.3	8.3	7.2	5.9	4.1
28	494.0	9.6	7.2	4.8	16.6	13.5	9.6	12.4		8.3		19.1	16.6	13.5	9.6	9.6	8.3	6.8	4.8
32	646.0	12.5	9.4	6.3	22	17.6	12.5	16.3		10.9		25	22	17.6	12.5	12.5	10.9	8.9	6.3
36	817.0	15.8	11.9	7.9	27	22	15.8	21		13.8		32	27	22	15.8	15.8	13.8	11.2	7.9
40	1010.0	19.6	14.7	9.8	34	28	19.6	25		17		39	34	28	19.6	19.6	17	13.9	9.8
44	1220.0	24	17.7	11.8	41	33	24	31		21		47	41	33	24	24	21	16.8	11.8
48	1450.0	28	21	14	49	40	28	37		24		56	49	40	28	28	24	19.9	14
52	1710.0	33	25	16.6	57	47	33	43		29		66	57	47	33	33	29	24	16.6
56	1980.0	38	29	19.2	66	54	38	50		33		77	66	54	38	38	33	27	19.2
60	2270.0	44	33	22	76	62	44	57		38		88	76	62	44	44	38	31	22

BEAVER STEEL WIRE & ROPE FITTINGS PRODUCT INFORMATION

Beaver's Wire Rope and Fittings are manufactured by the finest mills throughout the world. Our wire rope and fittings meet all the Australian Standards and have been tried and tested in the toughest applications.

All wire rope is manufactured with three basic components: Wires, Strands and a Core.

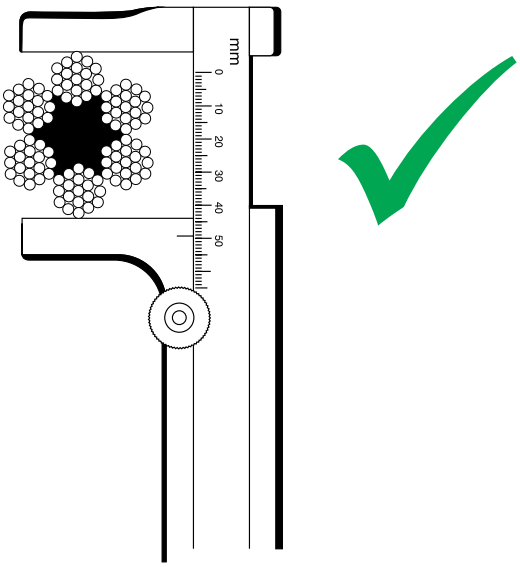


DIAMETER AND TOLERANCES

Nominal Diameter is always measured from its widest point as per diagram below.

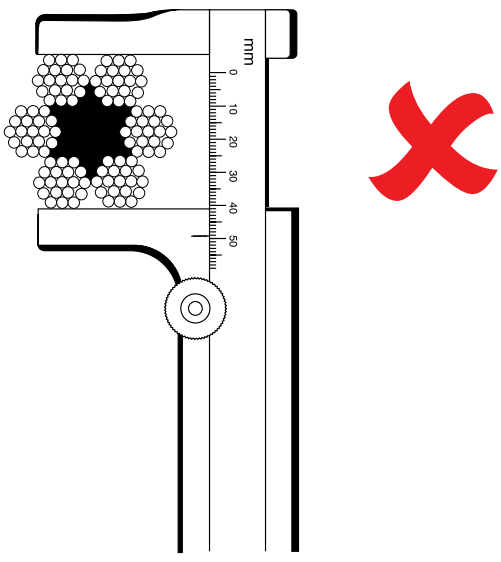
Correct Way

This gives correct Diameter



Incorrect Way

This does not give correct Diameter

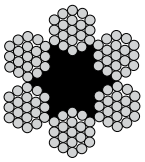


Measurements can be taken when the wire rope is subject to a load which is 5% of the minimum breaking strength for a more accurate result.

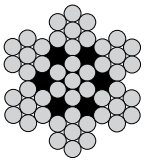
STEEL WIRE ROPE

CONSTRUCTION

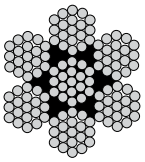
The number of strands and wires will influence the flexibility, fatigue and wear resistance of any given wire rope. Rope selection is often a compromise. Generally the more load bearing wires in the rope the greater the flexibility, however the smaller the wires the less abrasion resistance. For example, the same nominal diameter 7 x 7 wire would be less flexible than a 7 x 19 wire, hence a large number of small size wire and strands produce a flexible rope with good resistance to bending fatigue wear. The construction of wire rope is defined by the number of outer strands (first number), and the number of wires within that strand (second number) and then by the arrangement of the wires in each strand (shown in brackets). The wires in each strand can be arranged in several ways, for example a 6 x 19 construction the 19 wires in each strand are laid 6 around 1 centre wire.



6 X 19 Fibre Core Wire



7 X 7 Steel Core Wire



7 X 19 Steel Core Wire

CORE

The core of a steel wire rope serves as a foundation for the strands, providing stability by keeping them in place throughout the life of the rope. Wire ropes can be supplied with either a fibre or wire rope core.

GRADE

Wire rope can be supplied in several different grades. The grade of wire rope affects the ultimate breaking strength of the wire rope but will also influence the life of the rope. The higher the grade, the higher the minimum breaking strength. Common grades that are available include 1570,1770, 1960, 2070 and 2160.

FINISH

Wire Ropes can be supplied as Black (self-colour), Galvanized or Stainless Steel.
Wire rope is lubricated at time of manufacture, this helps reduce friction between wires and strands, and the friction between the rope and drum or sheave. In addition the lubrication retards corrosion and inhibits possible rotting of the fibre core.

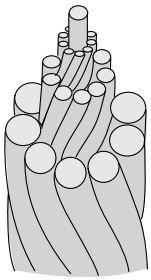
BEAVER STEEL WIRE & ROPE FITTINGS PRODUCT INFORMATION

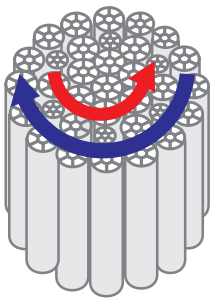
CONSTRUCTION AND LAYS

RHOL	Right Hand Ordinary Lay
LHOL	Left Hand Ordinary Lay
RHLL	Right Hand Lang's Lay
LHLL	Left Hand Lang's Lay
RHAL	Right Hand Alternate Lay
Pref	Preformed (Compressed)
Post	Postformed
IWRC	Independent Wire Rope Core
WRC	Wire Rope Core
FC	Fibre Core
FW	Filler Wire Strand Construction
D or d	Diameter (in millimetres)

Rotating or Non-Rotating

Rotation resistant wire ropes are manufactured to resist rotation under load and are suitable for crane use and where long lengths are required.





Non-Rotating or rotation resistant wire rope should be used when:

- Lifting an unguided load in single part
- Lifting an unguided load at great height with multi part reeving

A regular rope (rotating) wire rope should be used when:

- Lifting a guided load on several falls at a small height (e.g. overhead crane)
- When lifting loads with right-hand and left-hand ropes in pairs

STEEL WIRE ROPE

TYPICAL STEEL WIRE ROPE SLING DESCRIPTION

- 13 mm 6x25 B1770 RHOL WRC Pref G2
- 200 mm soft eye each end
- Machine spliced WLL 2.1 Tonne
- 3.0 metres effective length

GLOSSARY

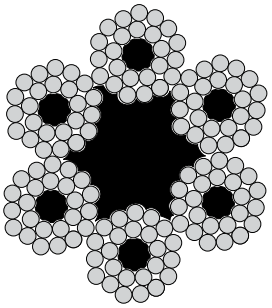
SWR	Steel Wire Rope
F/C	Fibre Core.
13mm	Diameter (nominal) of SWR measured over “crowns”
6x25	Construction (six strands, each with twenty five wires)
B	Self Colour (black)
G	Galvanised Finish
1770	Tensile grade of wires (in MegaPascals)
RHOL	Right Hand Ordinary Lay (strands laid up to the RIGHT, wires in each strand to the LEFT)
WRC	Wire Rope Core (approx 7.5% stronger and 11% heavier than F/C)
PREF	Strands shaped (helix formed) before laying up into a rope
G2	Lubricant (Petroleum Jelly)
200mm	Eye size.
Machine Splice	Steel, copper or aluminium alloy ferrule pressed around the looped end of wire rope
WLL	Maximum load that can be lifted on a particular service
Length	For restrictions refer to AS 1666



BEAVER 6x24 G1570 FIBRE CORE GALVANISED WIRE ROPE

6X24 FIBRE CORE GRADE 1570 RHOL DRY LUB. A2 GALVANISED WIRE ROPE

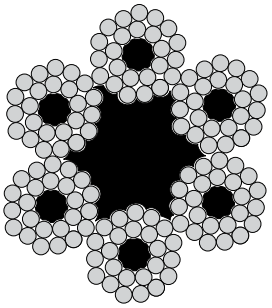
Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
711308	8	6x24	1570	Galvanised	Fibre	RHOL	28	20.4	Metre	1000
711309	9	6x24	1570	Galvanised	Fibre	RHOL	35.6	25.8	Metre	1000
711310	10	6x24	1570	Galvanised	Fibre	RHOL	44	31.8	Metre	1000
711311	11	6x24	1570	Galvanised	Fibre	RHOL	53	38.5	Metre	1000
711312	12	6x24	1570	Galvanised	Fibre	RHOL	63	45.8	Metre	1000
711313	13	6x24	1570	Galvanised	Fibre	RHOL	74	53.8	Metre	1000
711314-500	14	6x24	1570	Galvanised	Fibre	RHOL	86	62.4	Metre	500
711316	16	6x24	1570	Galvanised	Fibre	RHOL	113	81.5	Metre	1000
711318-500	18	6x24	1570	Galvanised	Fibre	RHOL	143	103	Metre	500
711320-500	20	6x24	1570	Galvanised	Fibre	RHOL	176	127	Metre	500
711322-500	22	6x24	1570	Galvanised	Fibre	RHOL	213	154	Metre	500
711324-500	24	6x24	1570	Galvanised	Fibre	RHOL	253	183	Metre	500
711332	32	6x24	1570	Galvanised	Fibre	RHOL	450	326	Metre	500



6X24 FIBRE CORE G1570 RHOL DRY LUB. (100 MTR REEL) A2 GALVANISED WIRE ROPE

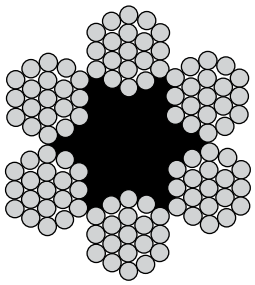
Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
711308-100	8	6x24	1570	Galvanised	Fibre	RHOL	28	20.4	Metre	100
711310-100	10	6x24	1570	Galvanised	Fibre	RHOL	44	31.8	Metre	100

Cut lengths available on request



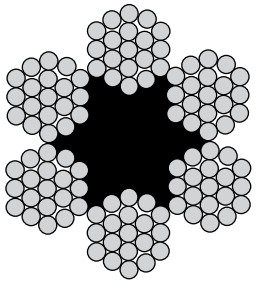
BEAVER 6x19 G1570 FIBRE CORE GALVANISED WIRE ROPE

6X19 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE



Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
709303	3	6x19	1570	Galvanised	Fibre	RHOL	4.3	3.2	Metre	1000
709303A	3.5	6x19	1570	Galvanised	Fibre	RHOL	5.8	4.3	Metre	1000
709304	4	6x19	1570	Galvanised	Fibre	RHOL	7.7	5.8	Metre	1000
709305	5	6x19	1570	Galvanised	Fibre	RHOL	12	8.8	Metre	1000
709306	6	6x19	1570	Galvanised	Fibre	RHOL	17.6	12.4	Metre	1000
709308	8	6x19	1570	Galvanised	Fibre	RHOL	30.8	22.5	Metre	1000
709309	9	6x19	1570	Galvanised	Fibre	RHOL	39	28.4	Metre	1000
709310	10	6x19	1570	Galvanised	Fibre	RHOL	48.2	35.1	Metre	1000
709312	12	6x19	1570	Galvanised	Fibre	RHOL	69.4	50.5	Metre	1000

6X19 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

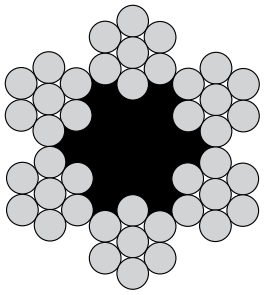


Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
709303-100	3	6x19	1570	Galvanised	Fibre	RHOL	4.3	3.2	Metre	100
709304-100	4	6x19	1570	Galvanised	Fibre	RHOL	7.7	5.8	Metre	100
709305-50	5	6x19	1570	Galvanised	Fibre	RHOL	12	8.8	Metre	50
709305-100	5	6x19	1570	Galvanised	Fibre	RHOL	12	8.8	Metre	100
709306-50	6	6x19	1570	Galvanised	Fibre	RHOL	17.6	12.4	Metre	50
709306-100	6	6x19	1570	Galvanised	Fibre	RHOL	17.6	12.4	Metre	100
709306-250	9	6x19	1570	Galvanised	Fibre	RHOL	17.6	12.4	Metre	250
709308-50	8	6x19	1570	Galvanised	Fibre	RHOL	30.8	22.5	Metre	50
709308-100	8	6x19	1570	Galvanised	Fibre	RHOL	30.8	22.5	Metre	100

BEAVER 6x7 G1570 FIBRE CORE GALVANISED WIRE ROPE

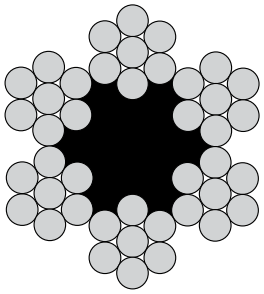
6X7 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
707302	2	6x7	1570	Galvanised	Fibre	RHOL	2.1	1.4	Metre	1000
707302A	2.5	6x7	1570	Galvanised	Fibre	RHOL	3.2	2.65	Metre	1000
707303	3	6x7	1570	Galvanised	Fibre	RHOL	4.7	3.22	Metre	1000
707304	4	6x7	1570	Galvanised	Fibre	RHOL	8.4	5.5	Metre	1000
707305	5	6x7	1570	Galvanised	Fibre	RHOL	13.1	8.6	Metre	1000
707306	6	6x7	1570	Galvanised	Fibre	RHOL	18.8	12.4	Metre	1000



6X7 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
707302-100	2	6x7	1570	Galvanised	Fibre	RHOL	2.1	1.4	Metre	100
707303-100	3	6x7	1570	Galvanised	Fibre	RHOL	4.7	3.22	Metre	100

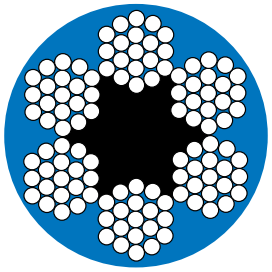




BEAVER PVC G1570 FIBRE CORE GALVANISED WIRE ROPE

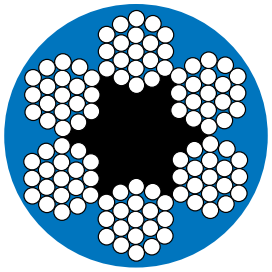
6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE BLUE COLOURED

Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706030	3	5	6x19	1570	Galvanised	Blue	Fibre	RHOL	4.34	3.16	Metre	1000
706030A	3.5	5.5	6x19	1570	Galvanised	Blue	Fibre	RHOL	5.92	4.2	Metre	1000
706040	4	6	6x19	1570	Galvanised	Blue	Fibre	RHOL	7.72	5.5	Metre	1000
706050	5	7	6x19	1570	Galvanised	Blue	Fibre	RHOL	12.06	8.6	Metre	1000
706060	6	8	6x19	1570	Galvanised	Blue	Fibre	RHOL	17.39	12.4	Metre	1000
706080	8	10	6x19	1570	Galvanised	Blue	Fibre	RHOL	30.9	22.1	Metre	1000
706100	10	12	6x19	1570	Galvanised	Blue	Fibre	RHOL	48.2	34.6	Metre	1000



6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE BLUE COLOURED

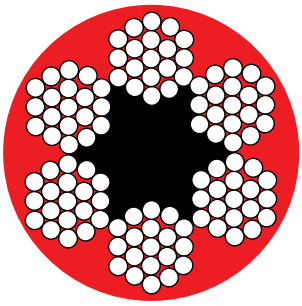
Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706040-50	4	6	6x19	1570	Galvanised	Blue	Fibre	RHOL	7.72	5.5	Metre	50



BEAVER PVC G1570 FIBRE CORE GALVANISED WIRE ROPE

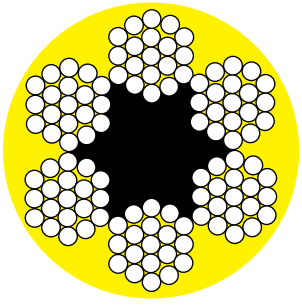
6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE RED COLOURED

Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706030AR	3.5	5.5	6x19	1570	Galvanised	Red	Fibre	RHOL	5.92	4.2	Metre	1000
706050R	5	7	6x19	1570	Galvanised	Red	Fibre	RHOL	12.06	8.6	Metre	1000



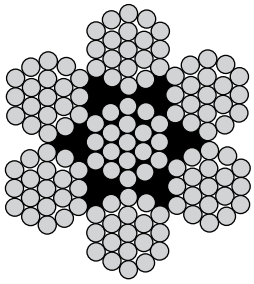
6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE YELLOW COLOURED

Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706040Y	4	6	6x19	1570	Galvanised	Yellow	Fibre	RHOL	7.72	5.5	Metre	1000



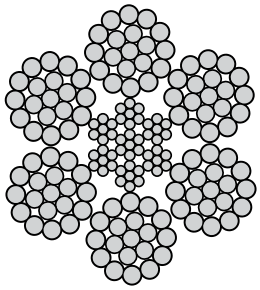
BEAVER 7x19 / 6x25 / 7x7 GALVANISED WIRE ROPE

7X19 G2070 RHOL DRY LUB GALVANISED WIRE ROPE



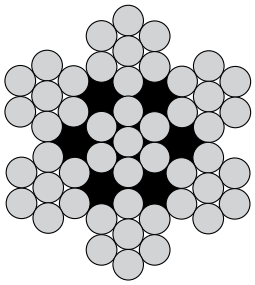
Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
712403	3.2	7x19	2070	Galvanised	Wire	RHOL	7.1	4.4	Metre	1000
712404	4	7x19	2070	Galvanised	Wire	RHOL	11.2	6.22	Metre	1000
712405	5	7x19	2070	Galvanised	Wire	RHOL	17.2	8.6	Metre	1000
712406	6	7x19	2070	Galvanised	Wire	RHOL	25	12.4	Metre	1000
712408	8	7x19	2070	Galvanised	Wire	RHOL	43.5	24.4	Metre	1000
712410	10	7x19	2070	Galvanised	Wire	RHOL	64.4	46.1	Metre	1000

6X25 G2070 TIRFOR ROPE GALVANISED WIRE ROPE



Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
712411	11	6x25	2070	Galvanised	Wire	RHOL	89	50.9	Metre	1000
712416-500	16	6x25	2070	Galvanised	Wire	RHOL	188	106	Metre	500

7X7 G1570 WRC RHOL DRY LUB GALVANISED WIRE ROPE

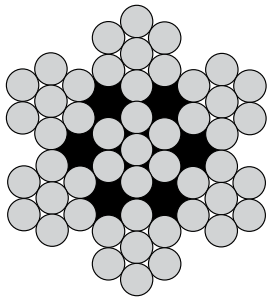


Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
716301	1.6	7X7	1570	Galvanised	Wire	RHOL	1.73	1.26	Metre	1000
716302	2	7X7	1570	Galvanised	Wire	RHOL	2.3	1.5	Metre	1000
716302A	2.5	7X7	1570	Galvanised	Wire	RHOL	3.61	2.6	Metre	1000
716303	3	7X7	1570	Galvanised	Wire	RHOL	5.1	3.5	Metre	1000
716304	4	7X7	1570	Galvanised	Wire	RHOL	9	6.1	Metre	1000
716305	5	7X7	1570	Galvanised	Wire	RHOL	14.1	9.6	Metre	1000
716306	6	7X7	1570	Galvanised	Wire	RHOL	20.3	13.8	Metre	1000
716306-500	6	7X7	1570	Galvanised	Wire	RHOL	20.3	13.8	Metre	500
716308	8	7X7	1570	Galvanised	Wire	RHOL	36.1	24.6	Metre	1000
716310	10	7X7	1570	Galvanised	Wire	RHOL	56.2	38.4	Metre	1000

BEAVER 7x7 G2070 WRC RHOL GALVANISED WIRE ROPE

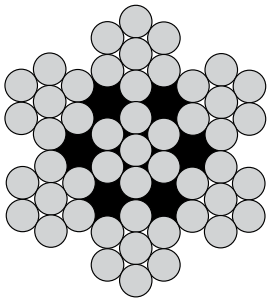
7X7 G2070 WRC RHOL DRY LUB GALVANISED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
708305	5	7X7	2070	Galvanised	Wire	RHOL	18.9	10.4	Metre	1000
708306	6	7X7	2070	Galvanised	Wire	RHOL	27.2	14.3	Metre	1000
708307	7	7X7	2070	Galvanised	Wire	RHOL	37.2	20.2	Metre	1000
708308	8	7X7	2070	Galvanised	Wire	RHOL	47.5	25.66	Metre	1000
708309	9	7X7	2070	Galvanised	Wire	RHOL	59.3	32	Metre	1000
708310	10	7X7	2070	Galvanised	Wire	RHOL	73	39.4	Metre	1000



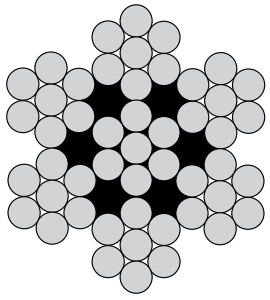
7X7 G2070 WRC RHOL DRY LUB GALVANISED WIRE ROPE - 3000 MTR REELS

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
708306B	6	7X7	2070	Galvanised	Wire	RHOL	27.2	14.3	Metre	3000
708307B	7	7X7	2070	Galvanised	Wire	RHOL	37.2	20.2	Metre	3000
708308B	8	7X7	2070	Galvanised	Wire	RHOL	47.5	25.66	Metre	3000
708309B	9	7X7	2070	Galvanised	Wire	RHOL	59.3	32	Metre	3000
708310B	10	7X7	2070	Galvanised	Wire	RHOL	73	39.4	Metre	3000



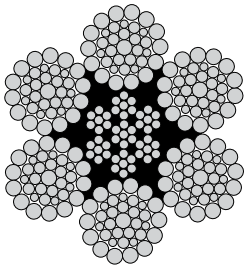
7X7 G2070 WRC RHOL DRY LUB GALVANISED WIRE ROPE C/W SWAGED THIMBLE EYE ON INSIDE OF REEL

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
7083084	8	7X7	2070	Galvanised	Wire	RHOL	47.5	25.66	Roll	410
7083096	9	7X7	2070	Galvanised	Wire	RHOL	59.3	32	Roll	610



BEAVER 6x36 G1770 IWRC GALVANISED WIRE ROPE

6X36 G1770 IWRC GALVANISED WIRE ROPE

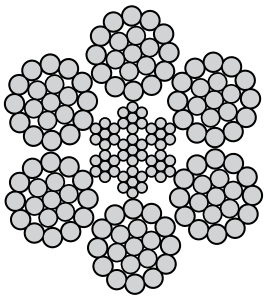


Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
713410	10	6x36	1770	Galvanised	Wire	RHOL	63	41.8	Metre	1000
713412	12	6x36	1770	Galvanised	Wire	RHOL	90	60.2	Metre	1000
713413	13	6x36	1770	Galvanised	Wire	RHOL	107	70.7	Metre	1000
713414-500	14	6x36	1770	Galvanised	Wire	RHOL	124	82	Metre	500
713416	16	6x36	1770	Galvanised	Wire	RHOL	161	107	Metre	1000
713418	18	6x36	1770	Galvanised	Wire	RHOL	204	135	Metre	1000
713420-500	20	6x36	1770	Galvanised	Wire	RHOL	252	167	Metre	500
713422-500	22	6x36	1770	Galvanised	Wire	RHOL	304	202	Metre	500
713424-500	24	6x36	1770	Galvanised	Wire	RHOL	363	241	Metre	500
713426-500	26	6x36	1770	Galvanised	Wire	RHOL	426	283	Metre	500
713428-500	28	6x36	1770	Galvanised	Wire	RHOL	493	328	Metre	500
713432-500	32	6x36	1770	Galvanised	Wire	RHOL	644	428	Metre	500
713436-250	36	6x36	1770	Galvanised	Wire	RHOL	816	542	Metre	250
713438-250	38	6x36	1770	Galvanised	Wire	RHOL	911	604	Metre	250
713440-250	40	6x36	1770	Galvanised	Wire	RHOL	1009	669	Metre	250
713444-250	44	6x36	1770	Galvanised	Wire	RHOL	1220	810	Metre	250



BEAVER 6x25 G1770 / G2070 BLACK & GALVANISED WIRE ROPE

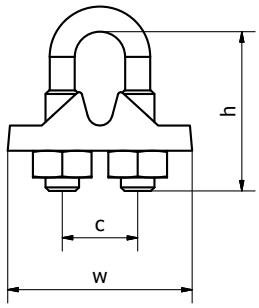
6X25 G1770 IWRC RHOL GALVANISED WIRE ROPE

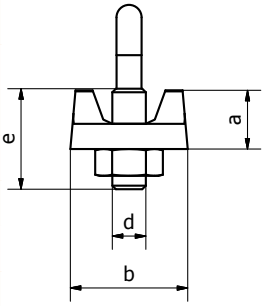


Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
712310	10	6x25	1770	Galvanised	Wire	RHOL	63.1	41.8	Metre	1000

BEAVER WIRE ROPE GRIPS GALVANISED AS 2076

WIRE ROPE GRIPS HOT DIPPED GALVANISED AS 2076





Code	Wire Dia mm	c mm	h mm	w mm	e mm	d mm	b mm	a mm	UOM	Pack Qty	U-Bolt
303306	6	13	29	28	20	6	15	13	Each	400	Electro Galvanised
303308	8	18	32	34	22	8	19	14.5	Each	300	Electro Galvanised
303310	9-10	22	41	42	28	10	24	18	Each	200	Electro Galvanised
303312	11-12	26	49	50	33	12	30	21	Each	100	Hot Dipped Galvanised
303316	16	28	52	52	33	12	31	22	Each	75	Hot Dipped Galvanised
303318	18	34	69	66	44	16	37	26	Each	60	Hot Dipped Galvanised
303320	20	36	74	68	44	16	38	29	Each	50	Hot Dipped Galvanised
303322	20 - 22	38	77	89	44	16	40	31	Each	50	Hot Dipped Galvanised
303326	24 - 26	40	80	89	44	16	40	32.5	Each	20	Hot Dipped Galvanised
303328	28	50	96	90	55	22	48	38	Each	20	Hot Dipped Galvanised
303332	32	52	102	92	55	22	48	39	Each	20	Hot Dipped Galvanised
303338	38	56	105	112	55	22	48	41.5	Each	10	Hot Dipped Galvanised

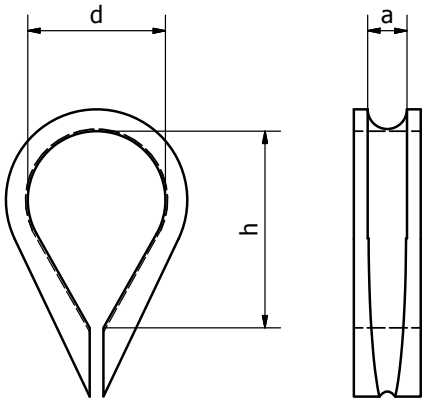
NOT SUITABLE FOR LIFTING



BEAVER WIRE ROPE THIMBLES AS 1138

WIRE ROPE THIMBLES HOT DIPPED GALVANISED AS 1138

Code	Size mm	a mm	d mm	h mm	UOM	Pack Qty
312306	6	7	16	25	Each	400
312308	8	7.9	22	33	Each	400
312310	10	10.3	25	38	Each	400
312311	11	12.7	29	41	Each	200
312313	13	14.3	32	44	Each	100
312314	14	15	32	46	Each	100
312316	16	15.9	41	59	Each	75
312320	20	21.6	52	75	Each	30
312322	22	22.2	57	83	Each	25
312324	24	25.4	64	92	Each	20
312326	26	27	72	108	Each	15
312328	28	28.6	76	112	Each	15
312332	32	33.4	95	133	Each	10
312335	35	38	105	152	Each	7
312338	38	43	114	165	Each	5
312342	42	43	120	180	Each	5
312345	45	47	127	178	Each	2
312348	48	51	134	190	Each	2
312350	50	55	140	203	Each	2





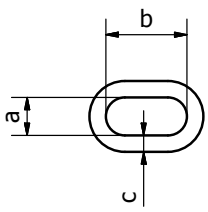


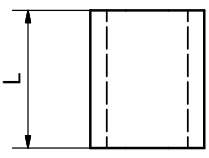
BEAVER WIRE ROPE FERRULES EN 13411

ALUMINIUM FERRULES TO EN 13411

Code	DIN Code	a mm	b mm	c mm	L mm	UOM	Pack Qty
317101A	1.5	1.8	3.6	1.05	6	Each	100
317102	2	2.2	4.4	0.90	7	Each	100
317102A	2.5	2.7	5.4	1.05	9	Each	100
317103	3	3.3	6.6	1.25	11	Each	100
317103A	3.5	3.8	7.6	1.5	13	Each	100
317104	4	4.4	8.8	1.7	14	Each	100
317105	5	5.5	11.0	2.1	18	Each	100
317106	6	6.6	13.2	2.5	21	Each	100
317106A	6.5	7.2	14.4	2.7	23	Each	100
317107	7	7.8	15.6	2.9	25	Each	100
317108	8	8.8	17.6	3.3	28	Each	100
317109	9	9.9	19.8	3.7	32	Each	100
317110	10	10.9	21.8	4.1	35	Each	100
317111	11	12.1	24.2	4.5	39	Each	100
317112	12	13.2	26.4	4.9	42	Each	100
317113	13	14.2	28.4	5.4	46	Each	100
317114	14	15.3	30.6	5.8	49	Each	100
317116	16	17.5	35.0	6.7	56	Each	100

Code	DIN Code	a mm	b mm	c mm	L mm	UOM	Pack Qty
317118	18	19.6	39.2	7.6	63	Each	100
317120	20	21.7	43.4	8.4	70	Each	100
317122	22	24.3	48.6	9.2	77	Each	100
317124	24	26.4	52.8	10.0	84	Each	100
317126	26	28.5	57.0	10.9	91	Each	100
317128	28	31.0	62.0	11.7	98	Each	100
317130	30	33.1	66.2	12.5	105	Each	100
317132	32	35.2	70.4	13.4	112	Each	100
317134	34	37.8	75.6	14.2	119	Each	100
317136	36	39.8	79.6	15	126	Each	100
317138	38	41.9	83.8	15.8	133	Each	100
317140	40	44.0	88.0	16.6	140	Each	100
317142	42	45.0	90.0	17.4	147	Each	100
317144	44	48.4	96.8	18.3	154	Each	100
317146	46	49.0	98.0	19	161	Each	100
317152	52	57.2	114.4	21.6	182	Each	100
317156	56	61.6	123.2	23.3	196	Each	100
317178	78	81.5	160.1	31.5	252	Each	100







BEAVER COMMERCIAL WIRE ROPE GRIPS IN BUCKETS

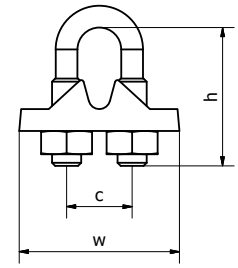


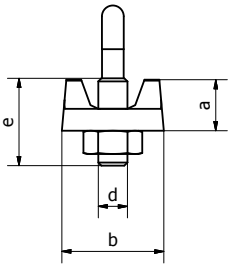
COMMERCIAL WIRE ROPE GRIPS ELECTRO GALVANISED

Wire Rope Grip Bucket - Sizes 3mm - 25mm

Code	Size mm	w mm	c mm	h mm	a mm	d mm	b mm	Finish	Round Bucket Litre	Qty / Bucket	Bucket Weight kg
301203P	3	19.5	9	17	9.5	4	10.5	Electro Galvanised	0.75	100	0.8
301205P	5	22.5	11	19	10	5	11	Electro Galvanised	0.75	100	1.3
301206P	6	24	13	23	10.5	5	12	Electro Galvanised	0.75	50	0.8
301208P	8	28	15	28	14	6	14	Electro Galvanised	0.75	80	1.4
301210P	10	33	18.5	34	16	8	18	Electro Galvanised	0.75	50	2.7
301213P	13	41	23	45	21	10	22	Electro Galvanised	0.75	20	3.3
301216P	16	49	29.5	52	25	12	25	Electro Galvanised	1	15	2.7
301220P	20	52	32	62	30	12	28	Electro Galvanised	1	10	2.35
301222P	22	61	37	68	34	14	33	Electro Galvanised	1	5	1.4
301225P	25	70	41	78	39	14	34	Electro Galvanised	1	5	1.97

NOT SUITABLE FOR LIFTING





COMMERCIAL WIRE ROPE THIMBLES GALVANISED

Code	Size mm	UOM	Pack Qty
310304	4	Each	2000
310305	5	Each	2000
310306	6	Each	1000
310308	8	Each	400
310310	10	Each	400
310313	13	Each	100
310314	14	Each	100
310316	16	Each	75
310320	20	Each	30
310323	23	Each	25
310325	25	Each	20
310328	28	Each	15
310332	32	Each	10

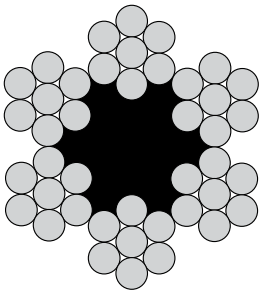
NOT SUITABLE FOR LIFTING



BEAVER 6x7 G1570 FIBRE CORE GALVANISED WIRE ROPE

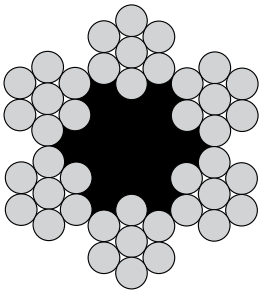
6X7 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
707302	2	6x7	1570	Galvanised	Fibre	RHOL	2.1	1.4	Metre	1000
707302A	2.5	6x7	1570	Galvanised	Fibre	RHOL	3.2	2.65	Metre	1000
707303	3	6x7	1570	Galvanised	Fibre	RHOL	4.7	3.22	Metre	1000
707304	4	6x7	1570	Galvanised	Fibre	RHOL	8.4	5.5	Metre	1000
707305	5	6x7	1570	Galvanised	Fibre	RHOL	13.1	8.6	Metre	1000
707306	6	6x7	1570	Galvanised	Fibre	RHOL	18.8	12.4	Metre	1000



6X7 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
707302-100	2	6x7	1570	Galvanised	Fibre	RHOL	2.1	1.4	Metre	100
707303-100	3	6x7	1570	Galvanised	Fibre	RHOL	4.7	3.22	Metre	100

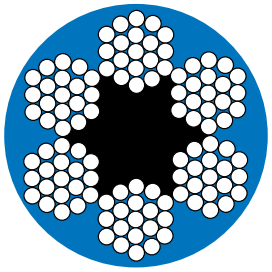




BEAVER PVC G1570 FIBRE CORE GALVANISED WIRE ROPE

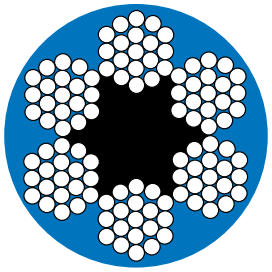
6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE BLUE COLOURED

Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706030	3	5	6x19	1570	Galvanised	Blue	Fibre	RHOL	4.34	3.16	Metre	1000
706030A	3.5	5.5	6x19	1570	Galvanised	Blue	Fibre	RHOL	5.92	4.2	Metre	1000
706040	4	6	6x19	1570	Galvanised	Blue	Fibre	RHOL	7.72	5.5	Metre	1000
706050	5	7	6x19	1570	Galvanised	Blue	Fibre	RHOL	12.06	8.6	Metre	1000
706060	6	8	6x19	1570	Galvanised	Blue	Fibre	RHOL	17.39	12.4	Metre	1000
706080	8	10	6x19	1570	Galvanised	Blue	Fibre	RHOL	30.9	22.1	Metre	1000
706100	10	12	6x19	1570	Galvanised	Blue	Fibre	RHOL	48.2	34.6	Metre	1000



6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE BLUE COLOURED

Code	Wire Dia mm	PVC Outside Dia mm	Construction	Grade	Wire Finish	PVC	Core	Lay	MBF (KN)	Approx. Mass (Kg/100m)	UOM	Metre Per Reel
706040-50	4	6	6x19	1570	Galvanised	Blue	Fibre	RHOL	7.72	5.5	Metre	50







SECTION 7 / STAINLESS STEEL PRODUCTS

CONTENTS

BEAVER STAINLESS PRODUCT INFORMATION

BEAVER GRADE 50 CHAIN AND COMPONENTS

BEAVER STAINLESS STEEL WIRE ROPE

BEAVER STAINLESS STEEL FITTINGS



Stainless Steel is a great material for use in corrosive environments. Beaver has assembled an extensive range of Stainless Steel Products to meet your working environment.



BEAVER STAINLESS PRODUCT INFORMATION

BEAVER STAINLESS STEEL WIRE ROPES AND FITTINGS

Beaver Stainless Steel Wire Ropes and Fittings are manufactured from both 304 and 316 stainless steel. We source our stainless steel worldwide and pride ourselves on our quality and consistency.
Stainless steel is mainly used in corrosive applications, in particular marine and waste management. Stainless steel's other applications include decorative balustrading and outdoor use.

304 and 316 Grade Stainless Steel
- 304 Grade stainless steel is considered to be a standard grade. It has excellent resistance to corrosion, however has some limitations in higher corrosive environments.
- 316 Grade stainless steel, also known as marine grade stainless steel. It has a higher corrosion resistance than 304 grade stainless steel and is better in harsher corrosive applications, such as salt water environments. It is suitable for food and pharmaceutical processing applications and is commonly used on boats, and in any coastal environment.

There are three common constructions of stainless steel wire rope used in rigging applications:

7 X 19
The most common and versatile construction of stainless steel wire rope is 7 x 19. It consists of 7 strands each with 19 wires and is the most flexible and the easiest construction to work with. 7 x 19 can be used in either fixed rigging or for limited working rope applications such as on a boat winch.

7 X 7
A wire that is not as flexible as 7 x 19, is 7x7 wire rope, it consists of 7 strands each with 7 wires. 7x7 is an excellent choice for fixed rigging applications such as balustrading and safety barrier rail.

1 X 19
A single strand wire is 1x19, this consists of a single strand with 19 wires. It is very stiff and is suitable for fixed "straight line" rigging only such as mast stays, guy ropes and structural applications.

STAINLESS STEEL PRODUCTS

BEAVER GRADE 50 STAINLESS STEEL LIFTING CHAIN

Beaver Grade 50 Stainless Steel Lifting Chain is manufactured from Grade 316 stainless steel and is tested in accordance with Australian Standard AS 4797. It's high corrosive properties make it ideal for lifting in environments such as water treatment plants, waste management and food processing facilities.

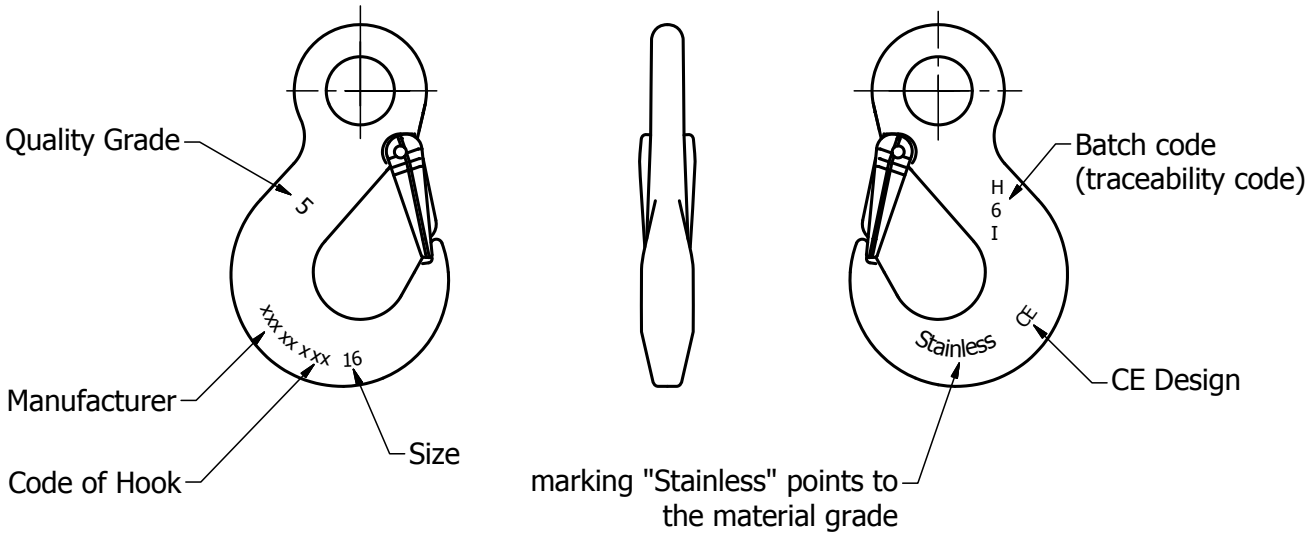
- Beaver Grade 50 Chain carries the mark "PWG5", stamped on every link along its entire length for easy identification

BEAVER GRADE 50 STAINLESS STEEL LIFTING COMPONENTS

Beaver Grade 50 Stainless Steel Lifting Components are manufactured from Grade 316 stainless steel and is tested in accordance with Australian Standard AS 4797. It's high corrosive properties make it ideal for lifting in environments such as water treatment plants, waste management and food processing facilities.

- Beaver Grade components – see image 4.1

IMAGE 4.1 GRADE 50 COMPONENT MARKINGS

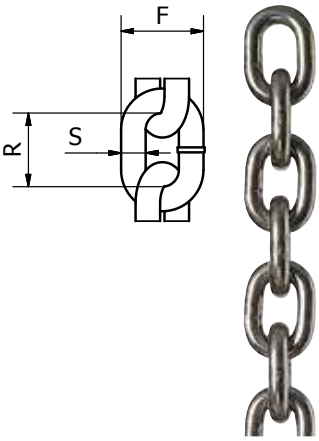


BEAVER GRADE 50 CHAIN AND COMPONENTS

BEAVER GRADE 50 STAINLESS STEEL LIFTING CHAIN G316

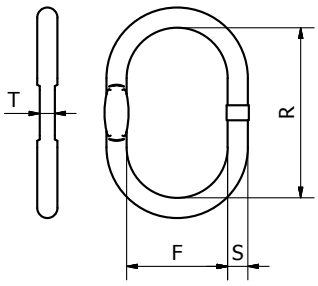
Complies to AS 4797

Code	W.L.L kg	Size mm	S mm	R mm	F mm	Finish	Weight kg/m	UOM	Metres per 100 kg
WOX5	500	5	5	16	17.5	Stainless Steel	0.56	Metre	178
WOX7	1000	7	7	21	23.53	Stainless Steel	1.1	Metre	90
WOX10	2000	10	10	30	33.5	Stainless Steel	2.2	Metre	45
WOX13	3200	13	13	39	43.5	Stainless Steel	3.8	Metre	26



BEAVER STAINLESS STEEL MASTER LINK GRADE 50 G316

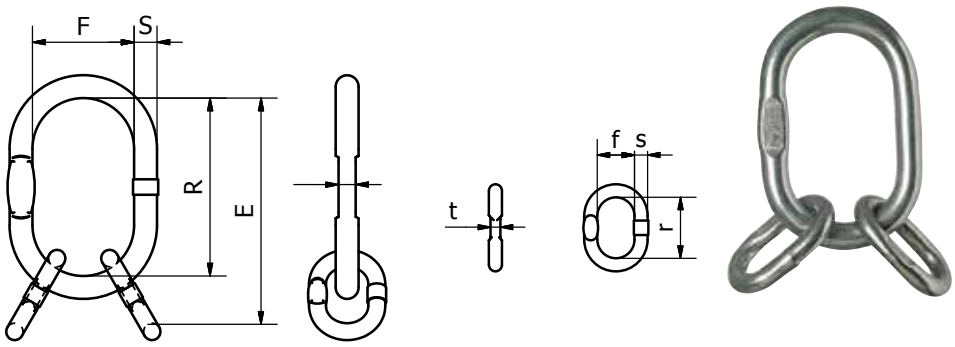
Code	Chain Size mm 1 Leg	Chain Size mm 2 Leg	W.L.L kg	S mm	R mm	F mm	T mm	Approx Weight (kg)	UOM	Pack Qty
AWI10	5	5	700	10	80	50	-	0.14	Each	20
AWI13	7	-	1050	13	110	60	10	0.34	Each	20
AWI16	-	7	1400	16.5	110	60	14	0.53	Each	20
AWI18	10	-	2000	18.5	135	75	14	0.92	Each	20
AWI22	13	10	3200	23	160	90	17	1.6	Each	5
AWI26	16	13	5000	27	180	100	20	2.46	Each	5
AWI32	-	16	7100	33	200	110	26	4.14	Each	5





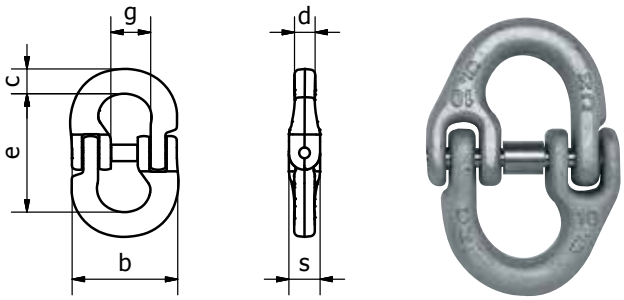
BEAVER GRADE 50 STAINLESS STEEL MULTI LINK ASSEMBLY G316

Code	Chain Size mm	W.L.L kg	S mm	E mm	R mm	F mm	T mm	s mm	r mm	f mm	t mm	Approx Weight (kg)	UOM	Pack Qty
VWI5	5	1050	13	154	110	60	10	10	44	20	-	0.52	Each	10
VWI7	7	3200	23	230	160	90	17	16	70	34	14	2.32	Each	10
VWI10	10	5000	27	265	180	100	20	20	85	40	-	3.68	Each	10
VWI13	13	7100	33	315	200	110	26	23	115	50	17	6.46	Each	5
VWI16	16	10500	36	400	260	140	29	27	140	65	20	10.06	Each	5



BEAVER STAINLESS STEEL CONNECTING LINK GRADE 50 G316

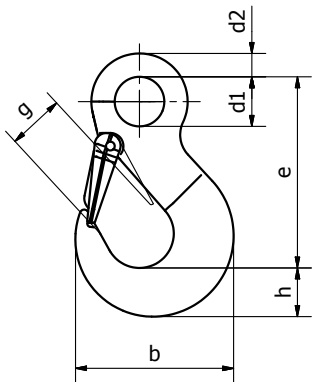
Code	Chain Size mm	W.L.L kg	e mm	c mm	b mm	g mm	s mm	d mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin
CWI5	5	500	36	7	34.4	12.7	9.5	7	0.05	Each	50	CBHWI5
CWI7	7	1000	54	9	50.8	16.6	13	9	0.12	Each	50	CBHWI7
CWI10	10	2000	73	13	69.8	24.6	18	13	0.33	Each	50	CBHWI10
CWI13	13	3200	92	17	85.4	28.6	23	17	0.7	Each	20	CBHWI13
CWI16	16	5000	104	21	105.3	36.5	28	21	1.22	Each	20	CBHWI16



BEAVER GRADE 50 CHAIN AND COMPONENTS (CONT'D)

BEAVER STAINLESS STEEL EYE SLING HOOK C/W SAFETY LATCH GRADE 50 G316

Code	Chain Size mm	W.L.L kg	e mm	h mm	d1 mm	d2 mm	b mm	g mm	Approx Weight (kg)	UOM	Pack Qty	Replacement Pin
HSWI5	5	500	80	20	21	8	66	22	0.25	Each	1	SFGWI5
HSWI7	7	1000	104	28	24	11	90	29	0.6	Each	1	SFGWI7
HSWI10	10	2000	125	33	31	14	108	35	1.2	Each	1	SFGWI10
HSWI13	13	3200	155	43	39	17	134	43	2.1	Each	1	SFGWI13
HSWI16	16	4500	175	47.4	47	22	152.5	48	3	Each	1	SFGWI16

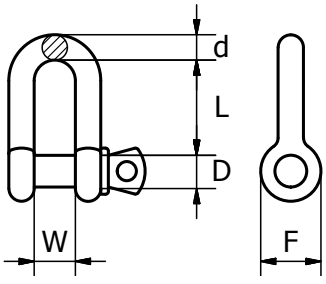




BEAVER- GRADE 50 SCREW PIN SHACKLES

Chain Dee Type

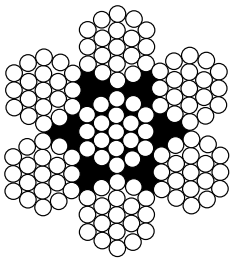
Code	Size mm	W.L.L kg	Type	Shape	Closing Method	DIA d	D mm	W mm	L mm	F mm	Approx Weight (kg)	UOM	Pack Qty
SMSWI4/5	8x9	500	Grade 50	Dee	Screw Pin	8	9	17	22	18	0.07	Each	30
SMSWI6/7/8	12x13	1250	Grade 50	Dee	Screw Pin	12	13	25	40	25	0.22	Each	30
SMSWI10	16x17	2000	Grade 50	Dee	Screw Pin	16	17	32	60	32	0.52	Each	30
SMSWI13	13x16	3200	Grade 50	Dee	Screw Pin	13	16	25	50	32	0.35	Each	10
SMSWI16	16x19	5000	Grade 50	Dee	Screw Pin	25	27	50	100	50	0.36	Each	1





BEAVER STAINLESS STEEL WIRE

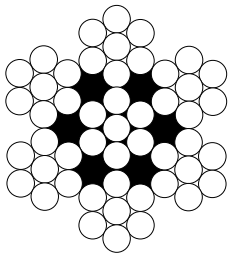
BEAVER 7X19 G316 STAINLESS STEEL RHOL WIRE ROPE



Code	Dia mm	Construction	Grade	Finish	Lay	MBF kN	Approx Mass Kg/100m	UOM	Metre Per Reel
720016	1.6	7x19	316	Stainless Steel	RHOL	1.9	1.03	Metre	305
720025	2.4	7x19	316	Stainless Steel	RHOL	3.64	2.38	Metre	305
720030	3.2	7x19	316	Stainless Steel	RHOL	5.24	4.18	Metre	305
720040	4	7x19	316	Stainless Steel	RHOL	8.21	6.71	Metre	305
720050	5	7x19	316	Stainless Steel	RHOL	11.08	9.5	Metre	305
720060	6.4	7x19	316	Stainless Steel	RHOL	21.01	17	Metre	305
720080	8	7x19	316	Stainless Steel	RHOL	32.85	26.9	Metre	305

MBF (Minimum Breaking Force)

BEAVER 7X7 G316 STAINLESS STEEL RHOL

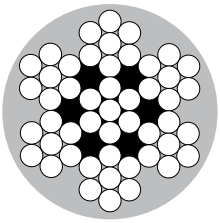


Code	Dia mm	Construction	Grade	Finish	Lay	MBF kN	Approx Mass Kg/100m	UOM	Metre Per Reel
702116	1.6	7x7	316	Stainless Steel	RHOL	1.89	1.12	Metre	305
702120	2	7x7	316	Stainless Steel	RHOL	2.58	1.62	Metre	305
702125	2.4	7x7	316	Stainless Steel	RHOL	3.64	2.38	Metre	305
702130	3.2	7x7	316	Stainless Steel	RHOL	6.96	4.32	Metre	305
702140	4	7x7	316	Stainless Steel	RHOL	9.5	6.48	Metre	305
702150	4.8	7x7	316	Stainless Steel	RHOL	14.64	9.84	Metre	305
702160	6.4	7x7	316	Stainless Steel	RHOL	25.32	16.37	Metre	305
702180	8	7x7	316	Stainless Steel	RHOL	35.6	25.96	Metre	305

BEAVER STAINLESS STEEL WIRE (CONT'D)

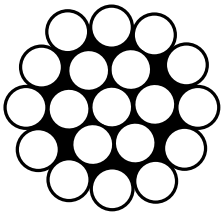
BEAVER 7X7 PVC G304 STAINLESS STEEL RHOL PVC COATED WIRE ROPE

Code	Dia mm	Construction	Grade	Finish	PVC	Lay	MBF kN	Approx Mass Kg/100m	UOM	Metre Per Reel
705030	3	7x7	304	Stainless Steel	White	RHOL	10.01	6.6	Metre	305
705040	4	7x7	304	Stainless Steel	White	RHOL	10.67	7.5	Metre	305
705050	5	7x7	304	Stainless Steel	White	RHOL	16.44	11.65	Metre	305



BEAVER 1X19 G316 STAINLESS STEEL RHOL WIRE ROPE

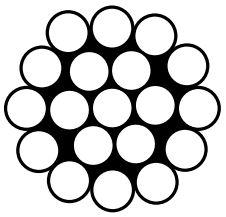
Code	Dia mm	Construction	Grade	Finish	Lay	MBF kN	Approx Mass Kg/100m	UOM	Metre Per Reel
701115	1.6	1x19	316	Stainless Steel	RHOL	1.98	1.3	Metre	305
701120	2	1x19	316	Stainless Steel	RHOL	3.17	2	Metre	305
701130	3.2	1x19	316	Stainless Steel	RHOL	8.34	5.08	Metre	305
701140	4	1x19	316	Stainless Steel	RHOL	13.05	8.17	Metre	305
701150	5	1x19	316	Stainless Steel	RHOL	18.59	11.57	Metre	305
701180	8	1x19	316	Stainless Steel	RHOL	52.01	32.8	Metre	305



STAINLESS STEEL PRODUCTS

BEAVER 1X19 G304 STAINLESS STEEL RHOL WIRE ROPE

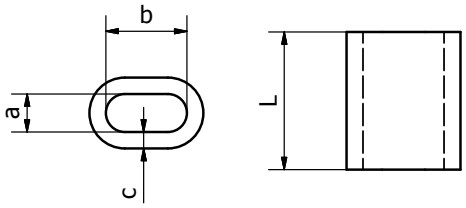
Code	Dia mm	Construction	Grade	Finish	Lay	MBF kN	Approx Mass Kg/100m	UOM	Metre Per Reel
701015	1.5	1x19	304	Stainless Steel	RHOL	1.78	1.14	Metre	305
701020	2	1x19	304	Stainless Steel	RHOL	3.56	2	Metre	305
701025	2.5	1x19	304	Stainless Steel	RHOL	5.5	3.09	Metre	305
701030	3	1x19	304	Stainless Steel	RHOL	7.4	4.59	Metre	305
701040	4	1x19	304	Stainless Steel	RHOL	13.1	8.17	Metre	305
701050	5	1x19	304	Stainless Steel	RHOL	20.58	12.77	Metre	305



BEAVER COPPER FERRULES TO DIN 3093

Code	Size mm	a mm	b mm	c mm	L mm	UOM	Pack Qty
617402	2	2.2	4.4	0.90	7	Each	5000
617402A	2.5	2.7	5.4	1.05	9	Each	5000
617403	3	3.3	6.6	1.25	11	Each	4000
617403A	3.5	3.8	7.6	1.5	13	Each	3000
617404	4	4.4	8.8	1.7	14	Each	1000
617404A	4.5	4.9	9.8	1.9	16	Each	1000
617405	5	5.5	11.0	2.1	18	Each	1000
617406	6	6.6	13.2	2.5	21	Each	1000
617406A	6.5	7.2	14.4	2.7	23	Each	1000
617407	7	7.8	15.6	2.9	25	Each	500

Code	Size mm	a mm	b mm	c mm	L mm	UOM	Pack Qty
617408	8	8.8	17.6	3.3	28	Each	100
617409	9	9.9	19.8	3.7	32	Each	100
617410	10	10.9	21.8	4.1	35	Each	100
617411	11	12.1	24.2	4.5	39	Each	100
617412	12	13.2	26.4	4.9	42	Each	100
617413	13	14.2	28.4	5.4	46	Each	100
617414	14	15.3	30.6	5.8	49	Each	100
617416	16	17.5	35.0	6.7	56	Each	50
617418	18	19.6	39.2	7.6	63	Each	25
617420	20	21.7	43.4	8.4	70	Each	20

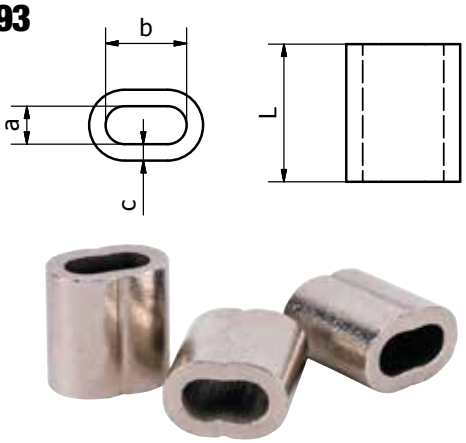




BEAVER STAINLESS STEEL WIRE (CONT'D)

BEAVER NICKLE PLATED COPPER FERRULES TO DIN 3093

Code	Size mm	a mm	b mm	c mm	L mm	UOM	Pack Qty
617416NP	1.6	1.8	3.6	1.05	6	Each	100
617402NP	2	2.2	4.4	0.90	7	Each	100
617402ANP	2.5	2.7	5.4	1.05	9	Each	100
617403NP	3	3.3	6.6	1.25	11	Each	100
617404NP	4	4.4	8.8	1.7	14	Each	100
617405NP	5	5.5	11.0	2.1	18	Each	100
617406NP	6	6.6	13.2	2.5	21	Each	100



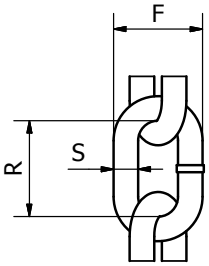
BEAVER G304 STAINLESS STEEL CHAIN SHORT LINK

Short Link – Sizes 4-10mm

Code	Size mm	S mm	R mm	F mm	Weight Per Mtr	Finish	UOM	Metres Per 100 kg
147104	4	4	18.6	16	0.32	Polished	Metre	384.6
147106	6	6	26	23.5	0.72	Polished	Metre	137.3
147108	8	8	32.2	29.5	1.28	Polished	Metre	80
147110	10	10	39	36.2	2.06	Polished	Metre	49.6

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





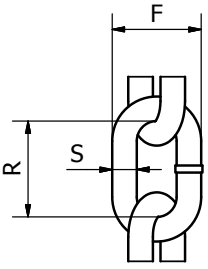
BEAVER G316 STAINLESS STEEL CHAIN SHORT LINK

Short Link – Sizes 2-13mm

Code	Size mm	S mm	R mm	F mm	Weight Per Mtr	Finish	UOM	Metres Per 100 kg
146102	2	2	14.8	8.25	0.08	Polished	Metre	1666.6
146104	4	4	18.6	16	0.32	Polished	Metre	384.6
146106	6	6	26	23.5	0.72	Polished	Metre	137.3
146108	8	8	32.2	29.5	1.28	Polished	Metre	80
146110	10	10	39	36.2	2.06	Polished	Metre	49.6
146113	13	13	49.1	46.1	3.36	Polished	Metre	28.7

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





BEAVER STAINLESS STEEL CHAIN (CONT'D)

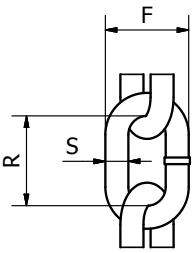
BEAVER GRADE 316 STAINLESS STEEL CHAIN

Short Link – Sizes 4-10mm

Code	Size mm	S mm	R mm	F mm	Weight Per Mtr	Finish	UOM	Metres Per 100 kg
146204	4	4	24	13	0.32	Polished	Metre	312.5
146206	6	6	30.5	19.2	0.8	Polished	Metre	133.3
146208	8	8	40	25.6	1.4	Polished	Metre	74.8

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





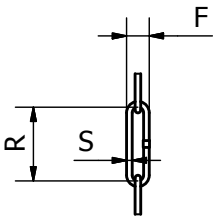
BEAVER GRADE 316 STAINLESS STEEL CHAIN

LONG LINK

Code	Size mm	S mm	R mm	F mm	Weight Per Mtr	Finish	UOM	Metres Per 100 kg
146102L	2	2	26	8	0.061	Polished	Metre	1639

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





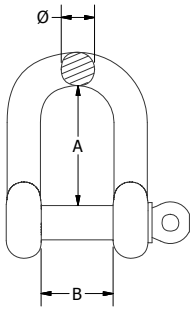


BEAVER STAINLESS STEEL FITTINGS

BEAVER G316 STAINLESS STEEL STANDARD DEE SHACKLES

Code	Grade	Shape	Closing Method	Dia Ø mm	A mm	B mm	Weight Kg	UOM	Pack Qty
615404	316	Dee	Screw	4	15	8.3	0.007	Each	1000
615405	316	Dee	Screw	5	17	11.3	0.013	Each	500
615406	316	Dee	Screw	6	22	12.3	0.021	Each	400
615408	316	Dee	Screw	8	28.6	17	0.052	Each	120
615410	316	Dee	Screw	10	35	20	0.11	Each	70
615412	316	Dee	Screw	12	45.5	25	0.19	Each	40
615416	316	Dee	Screw	16	56	32	0.37	Each	15
615419	316	Dee	Screw	19	67	38.5	0.72	Each	10

NOT TO BE USED FOR LIFTING

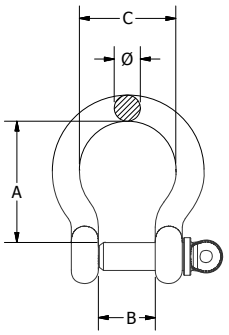




BEAVER G316 STAINLESS STEEL STANDARD BOW SHACKLES

Code	Grade	Shape	Closing Method	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
615504	316	Bow	Screw	4	20	8	13	0.01	Each	1000
615505	316	Bow	Screw	5	23	10.8	17	0.02	Each	500
615506	316	Bow	Screw	6	31	13	21	0.03	Each	400
615508	316	Bow	Screw	8	36.5	17.5	28	0.06	Each	120
615510	316	Bow	Screw	10	44	21.5	35.5	0.11	Each	70
615512	316	Bow	Screw	12	52.5	27	41	0.22	Each	40
615516	316	Bow	Screw	16	73.5	32	54	0.49	Each	15

NOT TO BE USED FOR LIFTING

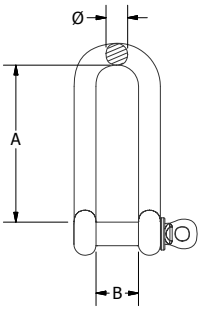




BEAVER G316 STAINLESS STEEL LONG DEE SHACKLES

Code	Grade	Shape	Closing Method	Dia Ø mm	A mm	B mm	Weight Kg	UOM	Pack Qty
611404	316	Dee	Screw	4	31.3	7.5	0.01	Each	300
611406	316	Dee	Screw	6	45.3	13.5	0.03	Each	200
611408	316	Dee	Screw	8	60	16.5	0.07	Each	100
611410	316	Dee	Screw	10	75.5	20.8	0.16	Each	50
611412	316	Dee	Screw	12	90	25	0.27	Each	25

NOT TO BE USED FOR LIFTING



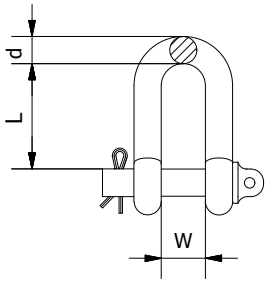


BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL DEE SHACKLE C/W CAPTIVE PIN

Code	Grade	Shape	Closing Method	d mm	L mm	W mm	Weight Kg	UOM	Pack Qty
615305	316	Dee	Screw	5	17.8	10.4	0.01	Each	500
615306	316	Dee	Screw	6	22.5	13	0.02	Each	400
615308	316	Dee	Screw	8	24.5	17.3	0.05	Each	100
615310	316	Dee	Screw	10	35.6	28.6	0.09	Each	60
615312	316	Dee	Screw	12	42.4	25	0.18	Each	40

NOT TO BE USED FOR LIFTING

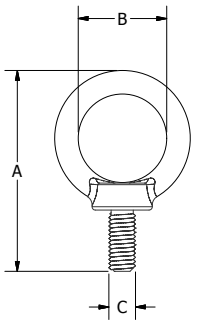




BEAVER G316 STAINLESS STEEL EYE BOLTS

Code	Grade	Size mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
612406	316	6	37.4	16.8	M6	0.01	Each	300
612408	316	8	47	20.6	M8	0.02	Each	200
612410	316	10	60.7	25.6	M10	0.05	Each	100
612412	316	12	72.3	29.7	M12	0.1	Each	50
612416	316	16	86	35	M16	0.15	Each	20

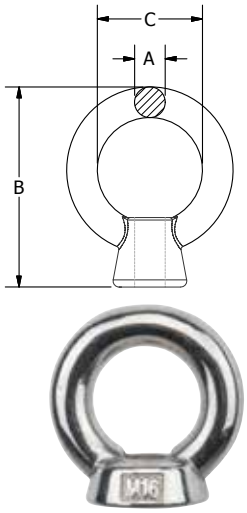
NOT TO BE USED FOR LIFTING





BEAVER STAINLESS STEEL FITTINGS (CONT'D)

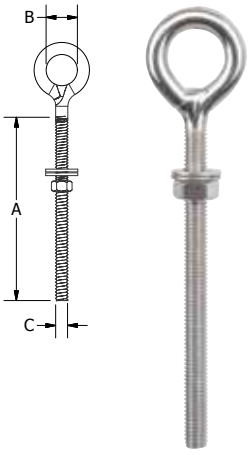
BEAVER G316 STAINLESS STEEL EYE NUTS



Code	Grade	Size mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
612506	316	6	4.7	31.3	16.3	0.015	Each	200
612508	316	8	5	38.7	21	0.024	Each	200
612510	316	10	7	48.9	25.8	0.05	Each	100
612512	316	12	9.6	59.7	30.3	0.08	Each	50
612516	316	16	12	70.3	35.3	0.18	Each	50

NOT TO BE USED FOR LIFTING

BEAVER G304 STAINLESS STEEL EYE BOLTS WITH NUT & 2 WASHERS



Code	Grade	Size mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
618451	304	5 x 50	50	11	M5	0.01	Each	300
618461	304	6 x 40	40	13	M6	0.02	Each	200
618462	304	6 x 80	80	13	M6	0.03	Each	200
618463	304	6 x 55	55	13	M6	0.02	Each	200
618464	304	6 x 100	100	13	M6	0.03	Each	200
618481	304	8 x 80	80	17	M8	0.06	Each	120
618482	304	8 x 100	100	17	M8	0.06	Each	100
618483	304	8 x 120	120	17	M8	0.07	Each	100
618493	304	10 x 120	120	21	M10	0.12	Each	50
618496	304	12 x 120	120	25	M12	0.17	Each	25

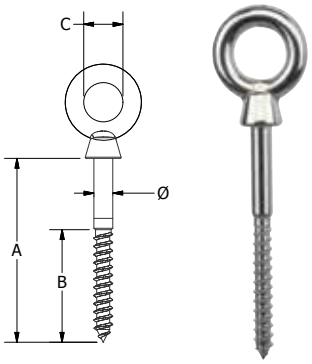
NOT TO BE USED FOR LIFTING

BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL EYE SCREW

Code	Grade	Size mm	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
618060	316	6x60	6	60	36	14	0.027	Each	250
618080	316	8x80	8	81	48	18.4	0.05	Each	200
618010	316	10x100	10	98	60	22	0.12	Each	50
618012	316	12x120	12	122.5	72	27.3	0.2	Each	20

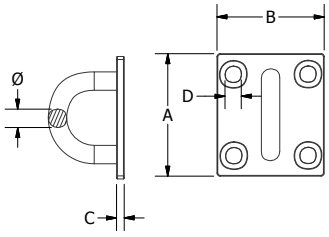
NOT TO BE USED FOR LIFTING



BEAVER G304 STAINLESS STEEL SQUARE PAD EYE

Code	Grade	Size mm	Dia Ø mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
616205	304	5	4.1	35	30.6	2.4	5	0.01	Each	200
616206	304	6	5.3	40	40.8	2.5	6	0.03	Each	100
616208	304	8	5.6	50	45.5	3.5	8	0.06	Each	80

NOT TO BE USED FOR LIFTING

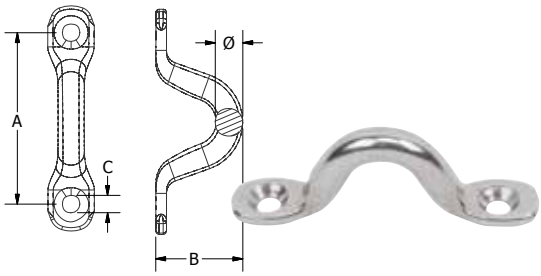




BEAVER G304 STAINLESS STEEL WIRE EYE SADDLES

Code	Grade	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
617704	304	4	32	15.8	3.2	0.004	Each	1400
617705	304	5	40	18	4.3	0.007	Each	600
617706	304	6	44	22	5.3	0.013	Each	500
617708	304	8	51	23	5.2	0.025	Each	200

NOT TO BE USED FOR LIFTING

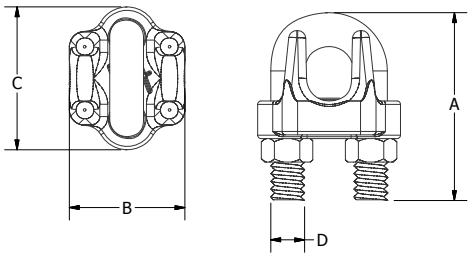


BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL WIRE ROPE GRIPS

Code	Grade	Size mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
612202	316	2	18	13	15.3	M3	0.01	Each	800
612203	316	3	24.5	14.5	15.8	M4	0.015	Each	800
612204	316	4	24	18	18.5	M4	0.02	Each	500
612205	316	5	29	19.6	23	M5	0.022	Each	300
612206	316	6	31	20.5	26.3	M6	0.03	Each	200
612208	316	8	41	27	33.5	M8	0.08	Each	100
612210	316	10	52	33.8	42.7	M10	0.15	Each	50
612212	316	12	61	37.8	50	M12	0.23	Each	30
612214	316	14	67.5	42	50.6	M12	0.28	Each	25
612216	316	16	76	47	60	M14	0.41	Each	20

NOT TO BE USED FOR LIFTING

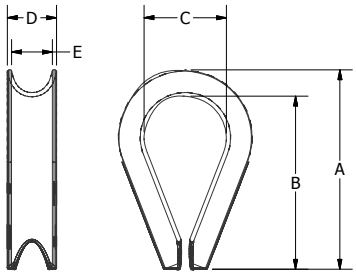




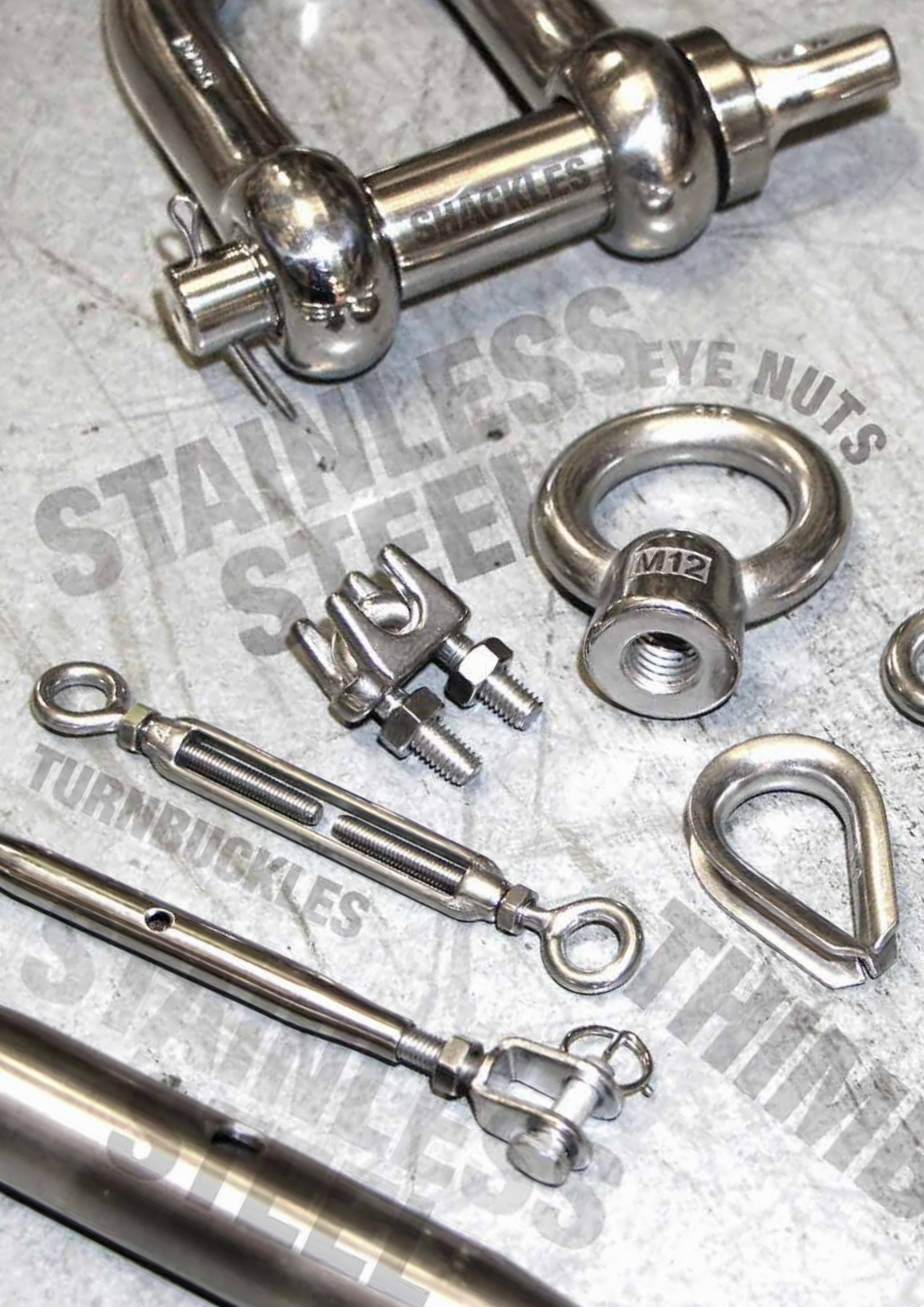
BEAVER G316 STAINLESS STEEL WIRE ROPE THIMBLES

Code	Grade	Size mm	A mm	B mm	C mm	D mm	E mm	Weight Kg	UOM	Pack Qty
612302	316	2	20.6	18	7.5	4.5	3	0.005	Each	1000
612303	316	3	24.3	21	10	6	4.3	0.007	Each	800
612304	316	4	27.8	24.8	11	6.6	5.2	0.008	Each	500
612305	316	5	30.5	26	13	8.5	6.8	0.009	Each	400
612306	316	6	37	32.6	15.5	10	8.8	0.01	Each	250
612308	316	8	51.5	45.5	23	12.5	10	0.02	Each	130
612310	316	10	56.4	50	27	14.6	12	0.03	Each	50
612312	316	12	68	61	32.5	18	14.5	0.05	Each	30
612316	316	16	82.7	75	37.5	22	19	0.09	Each	25

NOT TO BE USED FOR LIFTING





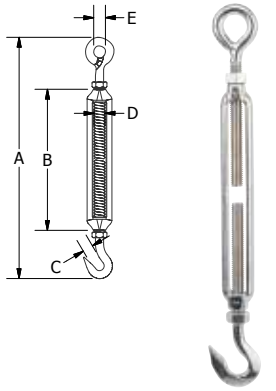

SHACKLES
STAINLESS STEEL
EYE NUTS
M12
TURNBUCKLES

BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL HOOK & EYE TURNBUCKLES WITH LOCK NUTS

Code	Grade	Size mm	A mm	B mm	C mm	D mm	E mm	Weight Kg	UOM	Pack Qty
600404	316	4	110	61.5	9	M4	8	0.02	Each	300
600405	316	5	127.5	71	9.5	M5	10	0.05	Each	150
600406	316	6	163	90.5	9	M6	12	0.08	Each	90
600408	316	8	212	122	10.3	M8	14	0.15	Each	50
600410	316	10	259	151.5	12.5	M10	16	0.29	Each	20
600412	316	12	321	201	14	M12	18	0.59	Each	10

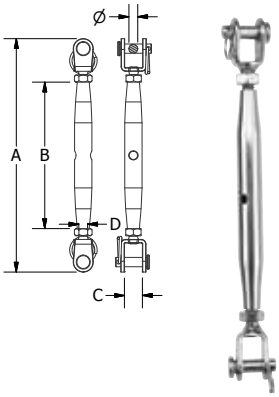
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL JAW & JAW BOTTLE SCREW WITH LOCK NUTS

Code	Grade	Size mm	Dia Ø mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
601505	316	5	5	138	81	10.3	M5	0.04	Each	80
601506	316	6	6	153	92	10.3	M6	0.07	Each	50
601508	316	8	8	188	112	11.2	M8	0.15	Each	50
601510	316	10	10	212	121	15	M10	0.28	Each	50
601512	316	12	12	266	150	17.5	M12	0.49	Each	30

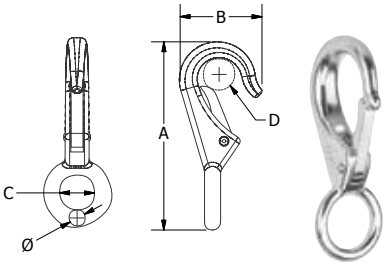
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL RIGID EYE SNAP HOOK

Code	Grade	Dia Ø mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
618810	316	3.8	55.8	23.5	12.2	8.8	0.02	Each	300
618815	316	4.5	72.8	29.6	16.7	8.8	0.037	Each	300

NOT TO BE USED FOR LIFTING

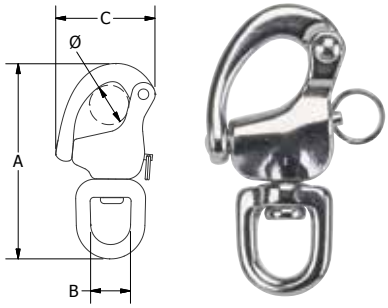


BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL SWIVEL EYE SNAP SHACKLE

Code	Grade	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
618512	316	12	71	13	33	0.06	Each	150
618516	316	16	86	15	42	0.11	Each	100
618522	316	22	122	20.6	58	0.4	Each	50

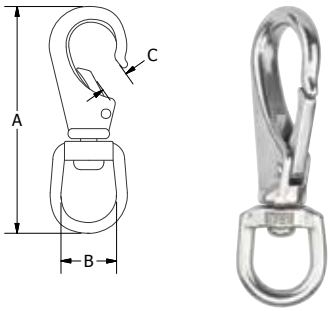
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL SWIVEL EYE SNAP

Code	Grade	Size mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
616812	316	12	87.5	21.5	9.8	0.05	Each	100
616816	316	16	101	21.9	11.5	0.1	Each	50
616825	316	25	118.5	22.3	12	0.15	Each	10

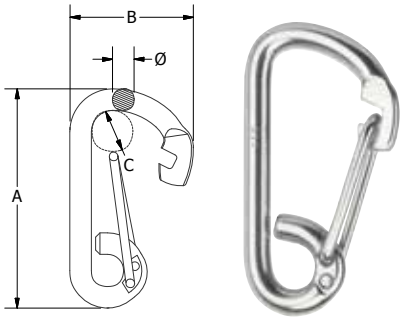
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL ANGLED SPRING HOOKS

Code	Grade	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
616606	316	6	60	34.5	12.5	0.03	Each	500
616608	316	8	80	46	17	0.06	Each	100
616610	316	10	100	55	23.5	0.19	Each	50
616612	316	12	120	72	28	0.23	Each	50

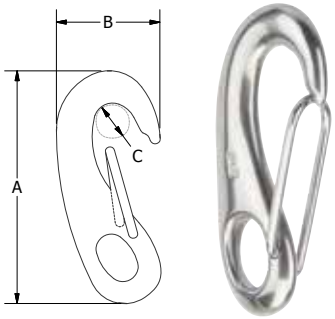
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL SPRING SNAP HOOKS

Code	Grade	Dia mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
616705	316	5	49.5	25	8	0.02	Each	400
616707	316	7	68.8	31.5	12.5	0.04	Each	150
616710	316	10	97	47	20	0.12	Each	50

NOT TO BE USED FOR LIFTING

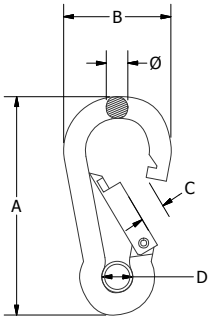


BEAVER STAINLESS STEEL FITTINGS (CONT'D)

BEAVER G316 STAINLESS STEEL CARBINE EYE HOOKS

Code	Grade	Dia Ø mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
618304	316	4	42	20	6	5	0.01	Each	500
618305	316	5	50	26.5	7	7.8	0.02	Each	400
618306	316	6	60	30	7.5	7.8	0.03	Each	300
618308	316	8	80	40.5	10	10.8	0.06	Each	100
618310	316	10	100	50	12	14	0.15	Each	50
618312	316	12	140	64	21	20	0.24	Each	25

NOT TO BE USED FOR LIFTING

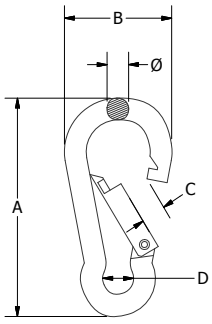




BEAVER G316 STAINLESS STEEL CARBINE HOOKS

Code	Grade	Dia Ø mm	A mm	B mm	C mm	D mm	Weight Kg	UOM	Pack Qty
618204	316	4.5	42	20.5	6	6.5	0.01	Each	600
618205	316	5	50	26.5	7	8	0.018	Each	500
618206	316	6	60	30	7.5	8.5	0.028	Each	400
618208	316	8	80	40.5	10	12	0.055	Each	100
618210	316	10	100	50	12	15	0.145	Each	50
618211	316	11	120	58	16	19	0.18	Each	40

NOT TO BE USED FOR LIFTING

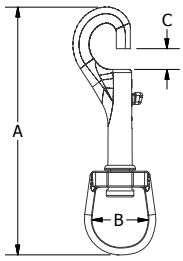




BEAVER G316 STAINLESS STEEL SWIVEL EYE SNAP HOOK

Code	Grade	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
616995	316	16	90	15.8	12	0.05	Each	140
616996	316	20	93	19	11.3	0.055	Each	100

NOT TO BE USED FOR LIFTING

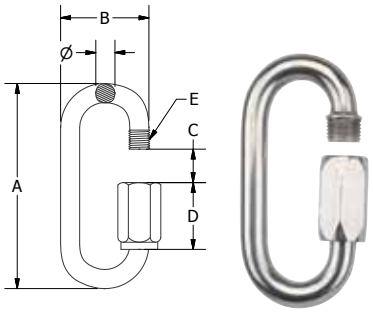




BEAVER G316 STAINLESS STEEL QUICK LINKS

Code	Grade	Dia mm	A mm	B mm	C mm	D mm	E mm	Weight Kg	UOM	Pack Qty
601604	316	4	43	18.5	7	14	4	0.011	Each	300
601605	316	5	52	22.5	8.5	18	5	0.02	Each	300
601606	316	6	61.5	27	9.5	21	6	0.03	Each	200
601608	316	8	77	35.5	11	25	8	0.07	Each	150
601610	316	10	89	42	13.5	28	10	0.14	Each	100

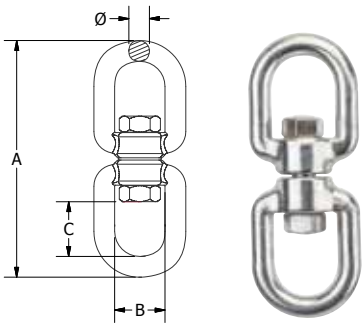
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL EYE & EYE SWIVELS

Code	Grade	Dia mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
619106	316	6	66	15	15.5	0.05	Each	100
619108	316	8	90	19	21.5	0.12	Each	100
619110	316	10	112	23.5	26.5	0.21	Each	100
619113	316	13	148	33	33	0.51	Each	50

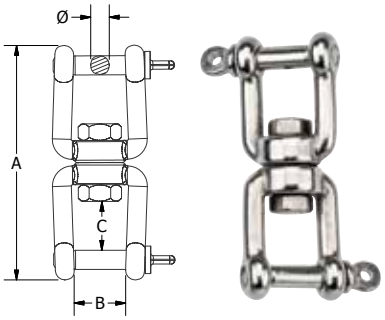
NOT TO BE USED FOR LIFTING



BEAVER G316 STAINLESS STEEL JAW & JAW SWIVELS

Code	Grade	Dia Ø mm	A mm	B mm	C mm	Weight Kg	UOM	Pack Qty
619306	316	6	64.4	12	12	0.07	Each	100
619308	316	8	87	16	15.5	0.14	Each	100
619310	316	10	111	18.5	20.5	0.258	Each	50
619313	316	13	143.5	26	25.5	0.62	Each	25

NOT TO BE USED FOR LIFTING







SECTION 8 / FLAT & ROUND SLINGS

CONTENTS

BEAVER FLAT AND ROUND PRODUCT INFORMATION

BEAVER FLAT SLINGS

BEAVER ENDLESS FLAT SLINGS

BEAVER ROUND SLINGS

BEAVER PROTECTIVE SLEEVING

BEAVER BOAT LIFTING SLINGS

BEAVER LIFTING NETS

BEAVER SAFETY CARGO NET

BEAVER – TWIN-PATH® SLINGS

BEAVER SLINGMAX®

Made from quality materials and tested to AS 1353.1 and AS 4497.1, the Beaver Flat and Round Polyester Slings are used in a variety of lifting and towing applications.

Our unique "Twin-Path®" licensed and patented sling range is made to order and used for heavy lifts up to 13, 500 tonne. The Twin-Path® range offers the ultimate in abrasion resistance and contains a check fast tag and external warning indicator for a pass/fail inspection of the internal load bearing core yarn. The Twin-Path® is renowned as the market leader in ergonomically designed synthetic slings, furthermore it can be repaired in most instances.

BEAVER FLAT AND ROUND POLYESTER SLINGS PRODUCT INFORMATION

BEAVER SYNTHETIC SLINGS – FLAT AND ROUND

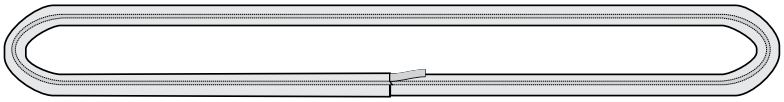
Beaver's synthetic webbing slings have the advantage of high strength combined with low weight and ease of handling. In lifting applications they stretch less than rope slings yet still absorb shock load well.

The two most commonly used synthetic webbing slings used for lifting in Australia are "Flat" and "Round" slings. (Shown below are examples of these two types of slings). Both types combine dimensional stability with great flexibility and shape instantly to the load cradling it with balance and security. They are very suitable for handling highly polished surfaces etc. They are available in a variation of colours, depicting the load rating, as required by Australian Standards AS 4497.1 and AS 1353.1.

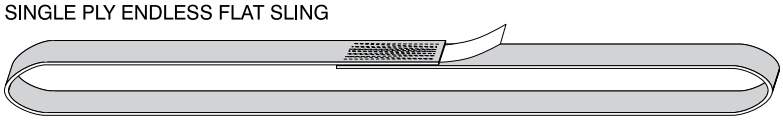
ENDLESS ROUND AND FLAT SLINGS

Beaver Endless Slings are made in both flat and round configurations and comply with the relevant Australian Standards. Beaver Round Slings are manufactured from a hank of polyester yarn of one or more strands wound together continuously to form an endless sling. The sling is protected by an outer sleeve which is non-load bearing.
Beaver Endless Flat Slings are manufactured from woven synthetic-fibre webbing and sewn together to form an endless sling. The Endless Flat Slings comes in both single and double ply configurations.

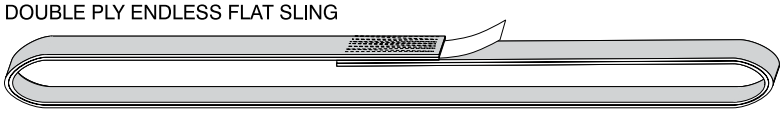
MEGA ROUND SLING



SINGLE PLY ENDLESS FLAT SLING



DOUBLE PLY ENDLESS FLAT SLING



FLAT SLINGS – COMPLETE WITH EYE AND FITTINGS

Beaver Flat Slings are constructed of woven synthetic-fibre webbing and consist of an eye at each end, please see diagram 2.1. The folds for the eyes come in a series of configurations – please see diagram 2.2.

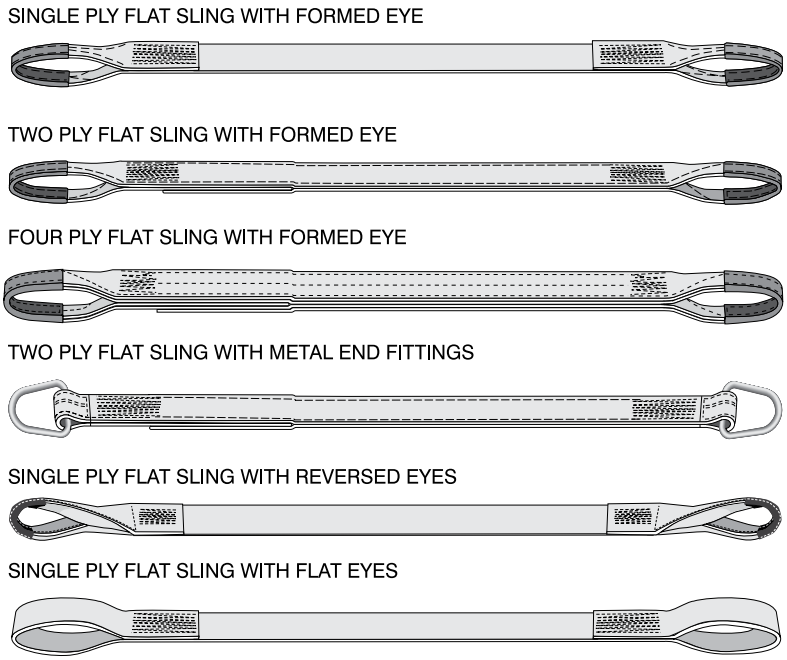


Diagram 2.1

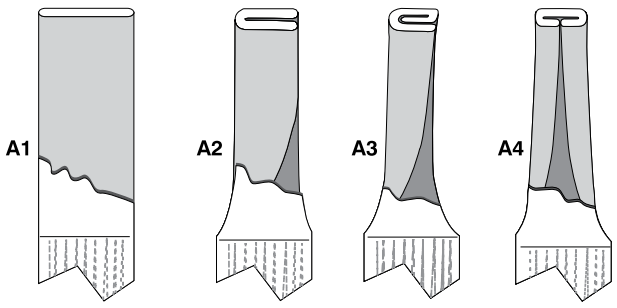
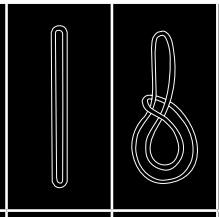
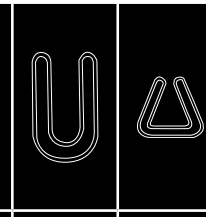
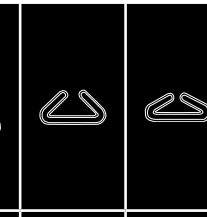
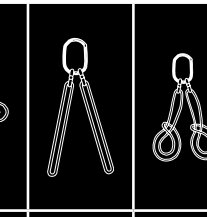
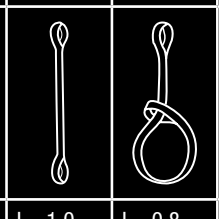
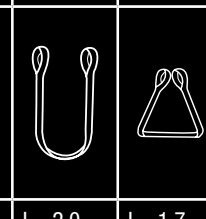
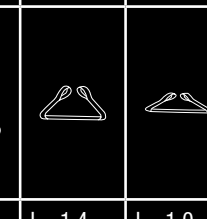
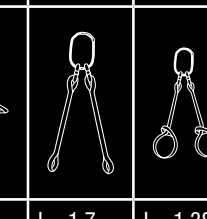


Diagram 2.2

BEAVER FLAT AND ROUND POLYESTER SLINGS PRODUCT INFORMATION

POLYESTER ROUND SLINGS & FLAT WEBBING SLINGS

Round Slings Manufactured to AS 4497.1.1 Flat Slings Manufactured to AS 1353.1

All Beaver Flat and Round Slings are Fully Tested Test Certificate Supplied With All Slings		ROUND SLINGS Comply to AS4497.1									
		FLAT SLINGS Comply to AS1353.1									
		L - LOAD FACTOR		L - 1.0	L - 0.8	L - 2.0	L - 1.7	L - 1.4	L - 1.0	L - 1.7	L - 1.38
ROUND SLINGS Code	FLAT SLINGS Code	Colour Code	WLL Tonnes	Vertical WLL Tonnes	Choke WLL Tonnes	Basket WLL Tonnes	60° WLL Tonnes	90° WLL Tonnes	120° WLL Tonnes	60° WLL Tonnes	60° Choke WLL Tonnes
MRS1000	FS-2-1000	Violet	1.0	1.0	0.8	2.0	1.73	1.41	1.0	1.73	1.38
MRS2000	FS-2-2000	Green	2.0	2.0	1.3	4.0	3.46	2.82	2.0	3.46	2.76
MRS3000	FS-2-3000	Yellow	3.0	3.0	2.4	6.0	5.19	4.23	3.0	5.19	4.14
MRS4000	FS-2-4000	Grey	4.0	4.0	3.2	8.0	6.92	5.63	4.0	6.92	5.52
MRS5000	FS-2-5000	Red	5.0	5.0	4.0	10.0	8.65	7.05	5.0	8.65	6.90
MRS6000	FS-2-6000	Brown	6.0	6.0	4.8	12.0	10.38	8.46	6.0	10.38	8.28
MRS8000	FS-2-8000	Blue	8.0	8.0	6.4	16.0	13.84	11.28	8.0	13.84	11.4
MRS10000	FS-2-10000	Orange	10.0	10.0	8.0	20.0	17.30	14.10	10.0	17.30	13.80

CARE AND USE

1. Check Australian Standard AS 4497.1 and AS 1353.1 for use and inspection guidelines.
2. Never overload the equipment.
3. Do not use if ID tag if removed or illegible.
4. Inspect sling for damage prior to use.
5. Do not use sling if there is any sign of cut webbing, snagging, heat or chemical damage, excessive wear, damaged seams, any other defect or presence of grit, abrasive materials or other deleterious matter.
6. Do not tie knots in sling webbing.
7. Protect sling webbing from sharp edges of load. Use protective sleeves.
8. Do not expose slings to temperatures above 90°C.
9. Do not allow abrasive or other damaging grit to penetrate the fibres.
10. Consult with manufacturer's recommendations before immersing a sling in a chemical solution.
11. Keep away from strong alkalis and phenolic compounds.

BEAVER FLAT SLINGS

Flat Slings commonly known as webbing slings are an all-purpose lifting sling enabling a strong and non-damaging lift of a load. They are extremely light in weight and flexible. The Beaver Flat Sling is a continuous length made from polyester webbing sewn into a continuous length with an eye at each end. When used they cover a broad support area, which cushions the load against damage and reduces slipping. The low stretch characteristics of the polyester webbing also prevent 'load bounce' when hoisting very heavy weights.

- Manufactured to AS 1353.1
- Test Certificate available on request

BEAVER SINGLE PLY FLAT SLINGS TO AS 1353.1

WLL 1000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-1-1000X1	1000	1	75	Violet	Each	1
FS-1-1000X1.5	1000	1.5	75	Violet	Each	1
FS-1-1000X2	1000	2	75	Violet	Each	1
FS-1-1000X3	1000	3	75	Violet	Each	1
FS-1-1000X4	1000	4	75	Violet	Each	1
FS-1-1000X6	1000	6	75	Violet	Each	1



BEAVER SINGLE PLY FLAT SLINGS TO AS 1353.1

WLL 2000kg x metres

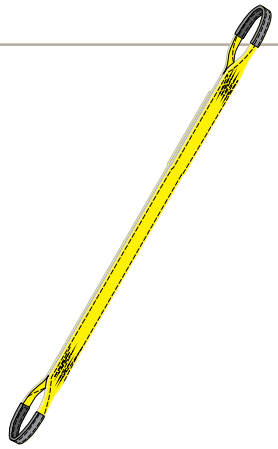
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-1-2000X1.5	2000	1.5	120	Green	Each	1
FS-1-2000X2	2000	2	120	Green	Each	1
FS-1-2000X3	2000	3	120	Green	Each	1
FS-1-2000X4	2000	4	120	Green	Each	1
FS-1-2000X6	2000	6	120	Green	Each	1



BEAVER FLAT SLINGS (CONT'D)

BEAVER SINGLE PLY FLAT SLINGS TO AS 1353.1

WLL 3000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-1-3000X1.5	3000	1.5	200	Yellow	Each	1
FS-1-3000X2	3000	2	200	Yellow	Each	1
FS-1-3000X3	3000	3	200	Yellow	Each	1
FS-1-3000X6	3000	6	200	Yellow	Each	1

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 1000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-1000X0.5	1000	0.5	50	Violet	Each	40
FS-2-1000X1	1000	1	50	Violet	Each	40
FS-2-1000X1.5	1000	1.5	50	Violet	Each	30
FS-2-1000X2	1000	2	50	Violet	Each	30
FS-2-1000X2.5	1000	2.5	50	Violet	Each	25
FS-2-1000X3	1000	3	50	Violet	Each	20
FS-2-1000X3.5	1000	3.5	50	Violet	Each	20
FS-2-1000X4	1000	4	50	Violet	Each	20
FS-2-1000X4.5	1000	4.5	50	Violet	Each	15
FS-2-1000X5	1000	5	50	Violet	Each	15
FS-2-1000X6	1000	6	50	Violet	Each	15
FS-2-1000X8	1000	8	50	Violet	Each	10

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 2000kg x metres

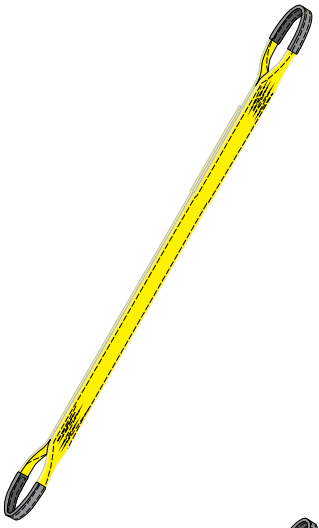


Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-2000X1	2000	1	65	Green	Each	20
FS-2-2000X1.5	2000	1.5	65	Green	Each	20
FS-2-2000X2	2000	2	65	Green	Each	15
FS-2-2000X2.5	2000	2.5	65	Green	Each	12
FS-2-2000X3	2000	3	65	Green	Each	12
FS-2-2000X3.5	2000	3.5	65	Green	Each	10
FS-2-2000X4	2000	4	65	Green	Each	10
FS-2-2000X4.5	2000	4.5	65	Green	Each	8
FS-2-2000X5	2000	5	65	Green	Each	8
FS-2-2000X6	2000	6	65	Green	Each	8
FS-2-2000X8	2000	8	65	Green	Each	5
FS-2-2000X10	2000	10	65	Green	Each	4
FS-2-2000X12	2000	12	65	Green	Each	3

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 3000kg x metres

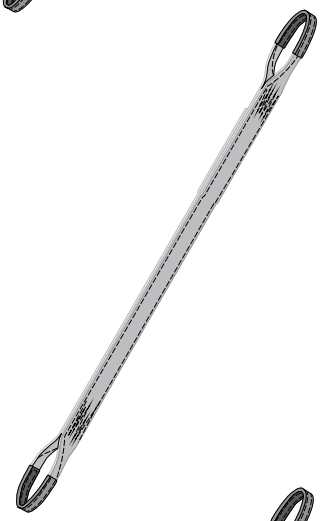
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-3000X1	3000	1	90	Yellow	Each	15
FS-2-3000X1.5	3000	1.5	90	Yellow	Each	12
FS-2-3000X2	3000	2	90	Yellow	Each	12
FS-2-3000X2.5	3000	2.5	90	Yellow	Each	10
FS-2-3000X3	3000	3	90	Yellow	Each	9
FS-2-3000X3.5	3000	3.5	90	Yellow	Each	7
FS-2-3000X4	3000	4	90	Yellow	Each	6
FS-2-3000X5	3000	5	90	Yellow	Each	6
FS-2-3000X6	3000	6	90	Yellow	Each	5
FS-2-3000X8	3000	8	90	Yellow	Each	4
FS-2-3000X10	3000	10	90	Yellow	Each	3
FS-2-3000X12	3000	12	90	Yellow	Each	2



BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 4000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-4000X2	4000	2	120	Grey	Each	8
FS-2-4000X2.5	4000	2.5	120	Grey	Each	7
FS-2-4000X3	4000	3	120	Grey	Each	6
FS-2-4000X4	4000	4	120	Grey	Each	4
FS-2-4000X5	4000	5	120	Grey	Each	4
FS-2-4000X6	4000	6	120	Grey	Each	4
FS-2-4000X8	4000	8	120	Grey	Each	3
FS-2-4000X10	4000	10	120	Grey	Each	2
FS-2-4000X12	4000	12	120	Grey	Each	1



BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 5000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-5000X2	5000	2	150	Red	Each	5
FS-2-5000X2.5	5000	2.5	150	Red	Each	5
FS-2-5000X3	5000	3	150	Red	Each	5
FS-2-5000X4	5000	4	150	Red	Each	4
FS-2-5000X5	5000	5	150	Red	Each	3
FS-2-5000X6	5000	6	150	Red	Each	2
FS-2-5000X8	5000	8	150	Red	Each	2
FS-2-5000X10	5000	10	150	Red	Each	2
FS-2-5000X12	5000	12	150	Red	Each	1



BEAVER FLAT SLINGS (CONT'D)

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 6000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-6000X2	6000	2	200	Brown	Each	4
FS-2-6000X3	6000	3	200	Brown	Each	3
FS-2-6000X4	6000	4	200	Brown	Each	2
FS-2-6000X5	6000	5	200	Brown	Each	2
FS-2-6000X6	6000	6	200	Brown	Each	2
FS-2-6000X8	6000	8	200	Brown	Each	1
FS-2-6000X10	6000	10	200	Brown	Each	1
FS-2-6000X12	6000	12	200	Brown	Each	1

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 8000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-8000X3	8000	3	240	Blue	Each	3
FS-2-8000X4	8000	4	240	Blue	Each	2
FS-2-8000X5	8000	5	240	Blue	Each	2
FS-2-8000X6	8000	6	240	Blue	Each	2
FS-2-8000X8	8000	8	240	Blue	Each	1
FS-2-8000X10	8000	10	240	Blue	Each	1
FS-2-8000X12	8000	12	240	Blue	Each	1

BEAVER DOUBLE PLY FLAT SLINGS TO AS 1353.1

WLL 10000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-2-10000X4	10000	4	300	Orange	Each	1
FS-2-10000X6	10000	6	300	Orange	Each	1
FS-2-10000X8	10000	8	300	Orange	Each	1
FS-2-10000X10	10000	10	300	Orange	Each	1
FS-2-10000X12	10000	12	300	Orange	Each	1

BEAVER FOUR PLY FLAT SLINGS TO AS 1353.1

WLL 16000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-4-16000X4	16000	4	240	Blue	Each	1
FS-4-16000X6	16000	6	240	Blue	Each	1
FS-4-16000X8	16000	8	240	Blue	Each	1
FS-4-16000X10	16000	10	240	Blue	Each	1
FS-4-16000X12	16000	12	240	Blue	Each	1



BEAVER FOUR PLY FLAT SLINGS TO AS 1353.1

WLL 20000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
FS-4-20000X4	20000	4	300	Orange	Each	1
FS-4-20000X6	20000	6	300	Orange	Each	1
FS-4-20000X8	20000	8	300	Orange	Each	1
FS-4-20000X10	20000	10	300	Orange	Each	1
FS-4-20000X12	20000	12	300	Orange	Each	1



BEAVER ENDLESS FLAT SLINGS

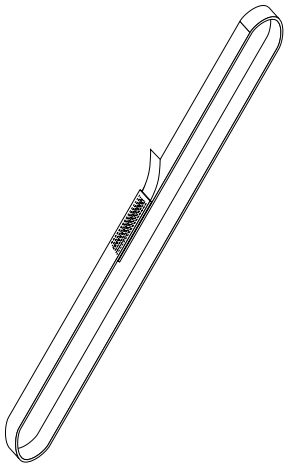
The Beaver Endless Flat Sling is an all-purpose lifting sling enabling a strong and non-damaging lift of its load. They are extremely light in weight and flexible. Endless Flat Slings are a continuous length made from polyester webbing. When used they cover a broad support area, which cushions the load against damage and reduces slipping. The low stretch characteristics of the polyester webbing also prevents 'load bounce' when hoisting very heavy weights.

- Manufactured to AS 1353.1
- Test Certificate available on request

BEAVER SINGLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 250kg x metres

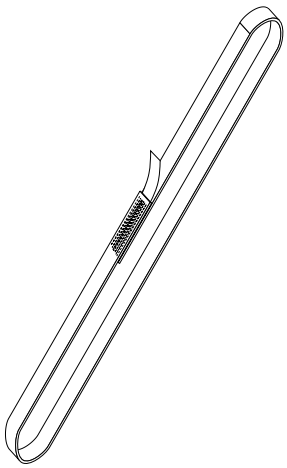
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-1-250X0.5	250	0.5	25	White	Each	1
ES-1-250X1	250	1	25	White	Each	1
ES-1-250X1.5	250	1.5	25	White	Each	1
ES-1-250X2	250	2	25	White	Each	1
ES-1-250X3	250	3	25	White	Each	1
ES-1-250X4	250	4	25	White	Each	1
ES-1-250X6	250	6	25	White	Each	1



BEAVER SINGLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 500kg x metres

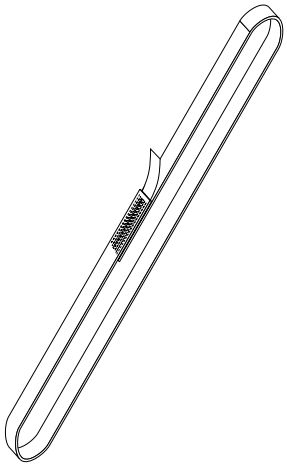
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-1-500X0.5	500	0.5	35	White	Each	1
ES-1-500X1	500	1	35	White	Each	1
ES-1-500X1.5	500	1.5	35	White	Each	1
ES-1-500X2	500	2	35	White	Each	1
ES-1-500X3	500	3	35	White	Each	1
ES-1-500X4	500	4	35	White	Each	1
ES-1-500X6	500	6	35	White	Each	1



BEAVER SINGLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 1000kg x metres

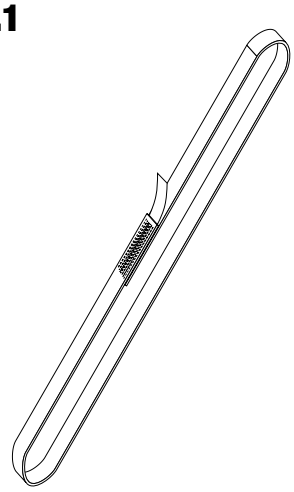
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-1-1000X1	1000	1	50	White	Each	1
ES-1-1000X1.5	1000	1.5	50	White	Each	1
ES-1-1000X2	1000	2	50	White	Each	1
ES-1-1000X3	1000	3	50	White	Each	1
ES-1-1000X4	1000	4	50	White	Each	1
ES-1-1000X6	1000	6	50	White	Each	1



BEAVER SINGLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 2000kg x metres

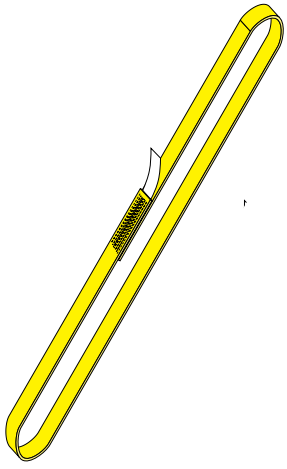
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-1-2000X1	2000	1	60	White	Each	1
ES-1-2000X1.5	2000	1.5	60	White	Each	1
ES-1-2000X2	2000	2	60	White	Each	1
ES-1-2000X3.5	2000	3.5	60	White	Each	1
ES-1-2000X4	2000	4	60	White	Each	1
ES-1-2000X6	2000	6	60	White	Each	1



BEAVER SINGLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 3000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-1-3000X1	3000	1	90	Yellow	Each	1
ES-1-3000X1.5	3000	1.5	90	Yellow	Each	1
ES-1-3000X2	3000	2	90	Yellow	Each	1
ES-1-3000X3	3000	3	90	Yellow	Each	1
ES-1-3000X4	3000	4	90	Yellow	Each	1
ES-1-3000X6	3000	6	90	Yellow	Each	1

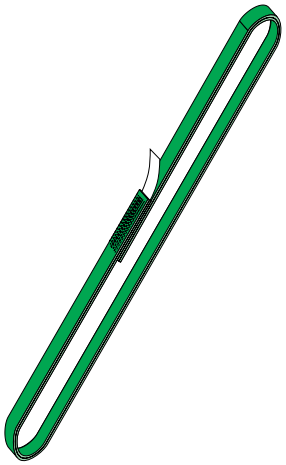


BEAVER ENDLESS FLAT SLINGS (CONT'D)

BEAVER DOUBLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 2000kg x metres

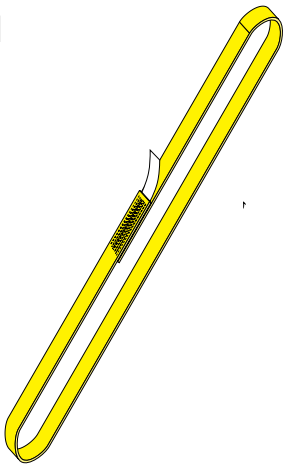
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-2-2000X1	2000	1	50	Green	Each	1
ES-2-2000X1.5	2000	1.5	50	Green	Each	1
ES-2-2000X2	2000	2	50	Green	Each	1
ES-2-2000X3	2000	3	50	Green	Each	1
ES-2-2000X4	2000	4	50	Green	Each	1
ES-2-2000X6	2000	6	50	Green	Each	1



BEAVER DOUBLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 3000kg x metres

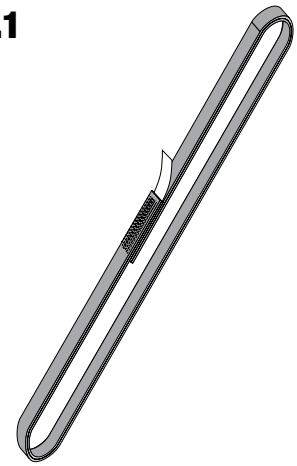
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-2-3000X1	3000	1	75	Yellow	Each	1
ES-2-3000X2	3000	2	75	Yellow	Each	1
ES-2-3000X3	3000	3	75	Yellow	Each	1
ES-2-3000X4	3000	4	75	Yellow	Each	1



BEAVER DOUBLE PLY ENDLESS FLAT SLINGS TO AS 1353.1

WLL 4000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
ES-2-4000X1.5	4000	1.5	60	Grey	Each	1
ES-2-4000X2	4000	2	60	Grey	Each	1
ES-2-4000X3	4000	3	60	Grey	Each	1
ES-2-4000X4	4000	4	60	Grey	Each	1
ES-2-4000X6	4000	6	60	Grey	Each	1





BEAVER ROUND SLINGS

Beaver Round slings are an all-purpose lifting sling enabling a strong and non-damaging lift of its load. They are extremely light in weight and flexible in multiple directions, allowing easy and quick manipulation even when fragile loads are being lifted. Beaver Round Slings are a continuous loop made from polyester yarn encased in a sleeve of polyester or nylon fabric. The sleeve is constructed so it protects the internal rows of yarn filament and keeps them in a parallel formation at all times.

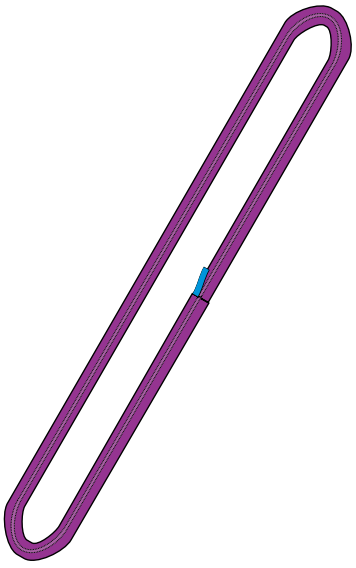
The yarn fibre (core) is free to spread out where the round sling is in contact with its load. This provides a broad support, which cushions the load against damage and reduces slipping. The low stretch characteristics of the polyester yarn also prevent 'load bounce' when hoisting very heavy weights.

- Manufactured to AS 4497.1
- Test Certificate available on request

BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 1000kg x metres

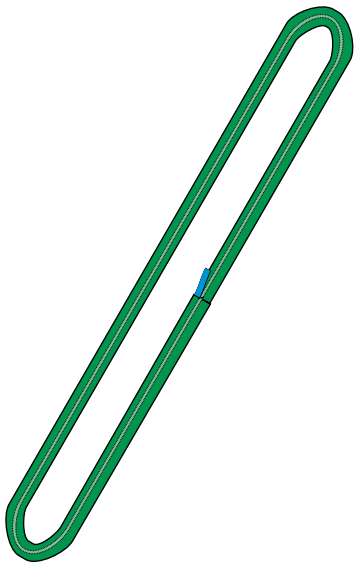
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS1000X0.5	1000	0.5	47	Violet	Each	100
MRS1000X1	1000	1	47	Violet	Each	80
MRS1000X1.5	1000	1.5	47	Violet	Each	50
MRS1000X2	1000	2	47	Violet	Each	40
MRS1000X2.5	1000	2.5	47	Violet	Each	30
MRS1000X3	1000	3	47	Violet	Each	28
MRS1000X4	1000	4	47	Violet	Each	20
MRS1000X5	1000	5	47	Violet	Each	15
MRS1000X6	1000	6	47	Violet	Each	12
MRS1000X8	1000	8	47	Violet	Each	10



BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 2000kg x metres

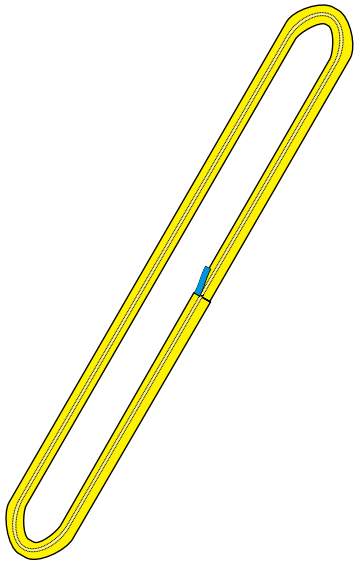
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS2000X0.5	2000	0.5	51	Green	Each	60
MRS2000X1	2000	1	51	Green	Each	40
MRS2000X1.5	2000	1.5	51	Green	Each	30
MRS2000X2	2000	2	51	Green	Each	25
MRS2000X2.5	2000	2.5	51	Green	Each	20
MRS2000X3	2000	3	51	Green	Each	17
MRS2000X3.5	2000	3.5	51	Green	Each	14
MRS2000X4	2000	4	51	Green	Each	12
MRS2000X4.5	2000	4.5	51	Green	Each	12
MRS2000X5	2000	5	51	Green	Each	10
MRS2000X6	2000	6	51	Green	Each	8
MRS2000X8	2000	8	51	Green	Each	6
MRS2000X10	2000	10	51	Green	Each	5



BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 3000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS3000X0.5	3000	0.5	66	Yellow	Each	40
MRS3000X1	3000	1	66	Yellow	Each	35
MRS3000X1.5	3000	1.5	66	Yellow	Each	24
MRS3000X2	3000	2	66	Yellow	Each	18
MRS3000X2.5	3000	2.5	66	Yellow	Each	15
MRS3000X3	3000	3	66	Yellow	Each	13
MRS3000X3.5	3000	3.5	66	Yellow	Each	10
MRS3000X4	3000	4	66	Yellow	Each	10
MRS3000X5	3000	5	66	Yellow	Each	7
MRS3000X6	3000	6	66	Yellow	Each	5
MRS3000X8	3000	8	66	Yellow	Each	5
MRS3000X10	3000	10	66	Yellow	Each	3

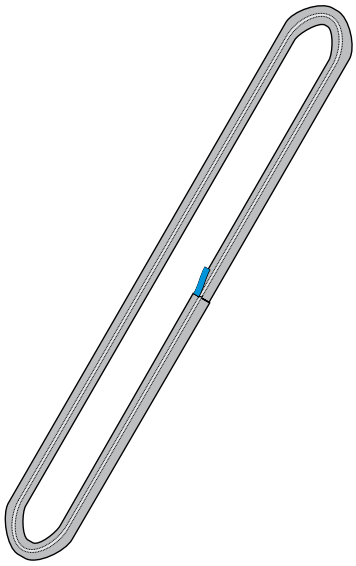


BEAVER ROUND SLINGS

BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 4000kg x metres

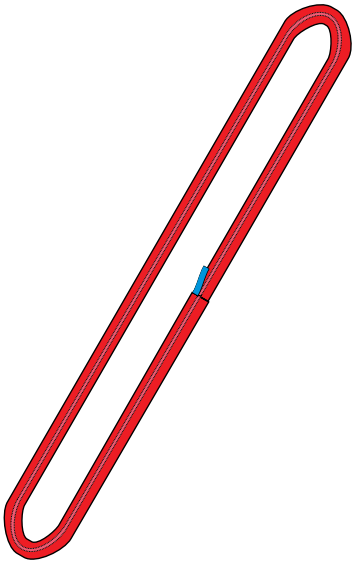
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS4000X1	4000	1	70	Grey	Each	20
MRS4000X2	4000	2	70	Grey	Each	13
MRS4000X2.5	4000	2.5	70	Grey	Each	10
MRS4000X3	4000	3	70	Grey	Each	9
MRS4000X3.5	4000	3.5	70	Grey	Each	9
MRS4000X4	4000	4	70	Grey	Each	6
MRS4000X5	4000	5	70	Grey	Each	5
MRS4000X6	4000	6	70	Grey	Each	4
MRS4000X8	4000	8	70	Grey	Each	3
MRS4000X10	4000	10	70	Grey	Each	2



BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 5000kg x metres

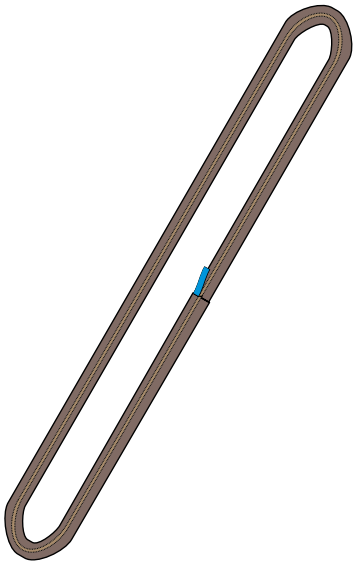
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS5000X1	5000	1	80	Red	Each	20
MRS5000X2	5000	2	80	Red	Each	10
MRS5000X3	5000	3	80	Red	Each	7
MRS5000X4	5000	4	80	Red	Each	5
MRS5000X5	5000	5	80	Red	Each	4
MRS5000X6	5000	6	80	Red	Each	4
MRS5000X8	5000	8	80	Red	Each	3
MRS5000X10	5000	10	80	Red	Each	2



BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 6000kg x metres

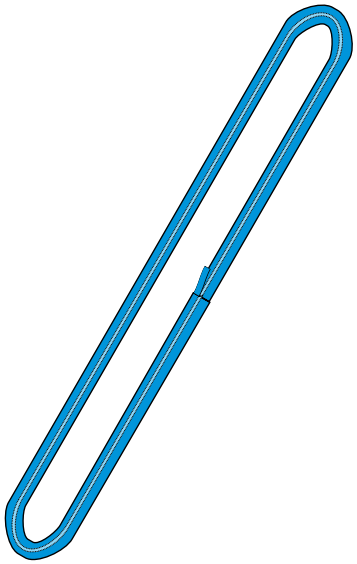
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS6000X1	6000	1	80	Brown	Each	15
MRS6000X2	6000	2	80	Brown	Each	8
MRS6000X3	6000	3	80	Brown	Each	5
MRS6000X4	6000	4	80	Brown	Each	4
MRS6000X5	6000	5	80	Brown	Each	3
MRS6000X6	6000	6	80	Brown	Each	3
MRS6000X8	6000	8	80	Brown	Each	2
MRS6000X10	6000	10	80	Brown	Each	1



BEAVER MEGA ROUND SLINGS TO AS 4497.1

WLL 8000kg x metres

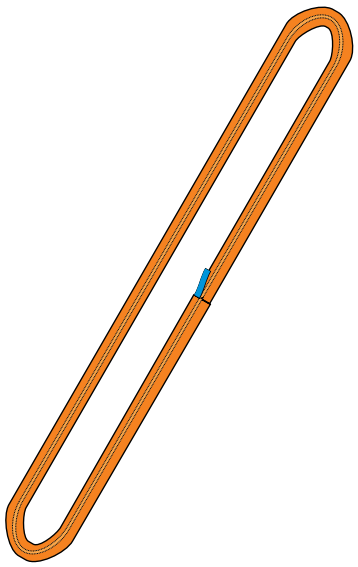
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS8000X1	8000	1	86	Blue	Each	10
MRS8000X2	8000	2	86	Blue	Each	6
MRS8000X3	8000	3	86	Blue	Each	4
MRS8000X4	8000	4	86	Blue	Each	3
MRS8000X5	8000	5	86	Blue	Each	3
MRS8000X6	8000	6	86	Blue	Each	2
MRS8000X8	8000	8	86	Blue	Each	1
MRS8000X10	8000	10	86	Blue	Each	1
MRS8000X12	8000	12	86	Blue	Each	1



BEAVER ROUND SLINGS (CONT'D)

BEAVER MEGA ROUND SLINGS TO AS 4497.1

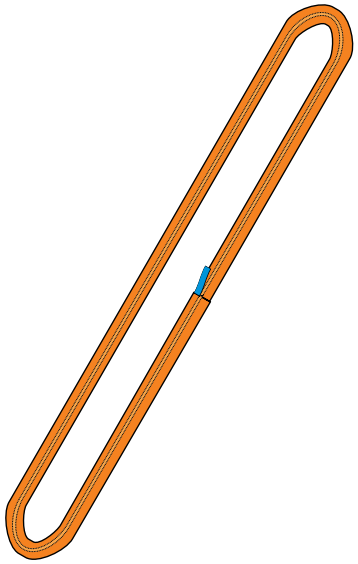
WLL 10000kg x metres



Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
MRS10000X1	10000	1	100	Orange	Each	10
MRS10000X2	10000	2	100	Orange	Each	6
MRS10000X3	10000	3	100	Orange	Each	3
MRS10000X4	10000	4	100	Orange	Each	3
MRS10000X5	10000	5	100	Orange	Each	2
MRS10000X6	10000	6	100	Orange	Each	2
MRS10000X8	10000	8	100	Orange	Each	1
MRS10000X10	10000	10	100	Orange	Each	1
MRS10000X12	10000	12	100	Orange	Each	1
MRS10000X15	10000	15	100	Orange	Each	1

BEAVER JUMBO ROUND SLINGS TO AS 4497.1

WLL 15000kg x metres

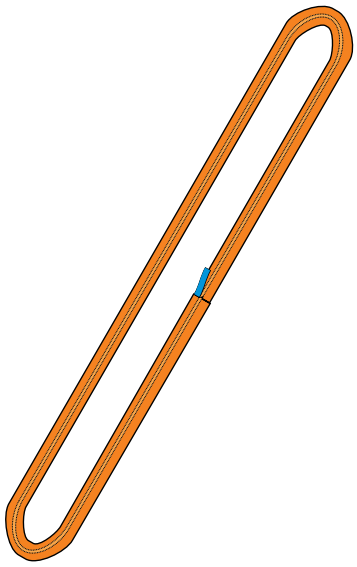


Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
SRS15000X2	15000	2	70	Orange	Each	2
SRS15000X3	15000	3	70	Orange	Each	2
SRS15000X4	15000	4	70	Orange	Each	2
SRS15000X5	15000	5	70	Orange	Each	1
SRS15000X6	15000	6	70	Orange	Each	1
SRS15000X8	15000	8	70	Orange	Each	5
SRS15000X10	15000	10	70	Orange	Each	4
SRS15000X12	15000	12	70	Orange	Each	3

BEAVER JUMBO ROUND SLINGS TO AS 4497.1

WLL 20000kg x metres

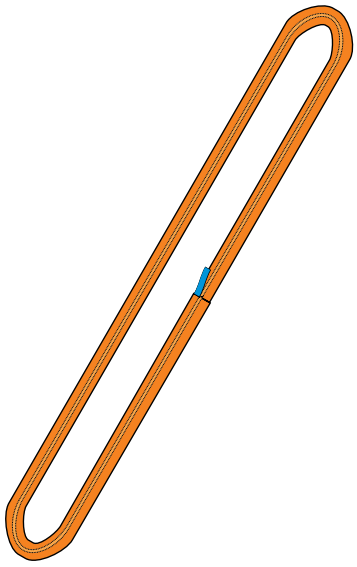
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
SRS20000X1	20000	1	80	Orange	Each	2
SRS20000X2	20000	2	80	Orange	Each	2
SRS20000X3	20000	3	80	Orange	Each	2
SRS20000X4	20000	4	80	Orange	Each	1
SRS20000X5	20000	5	80	Orange	Each	1
SRS20000X6	20000	6	80	Orange	Each	1
SRS20000X8	20000	8	80	Orange	Each	4
SRS20000X10	20000	10	80	Orange	Each	3
SRS20000X12	20000	12	80	Orange	Each	3
SRS20000X15	20000	15	80	Orange	Each	2
SRS20000X20	20000	20	80	Orange	Each	1



BEAVER JUMBO ROUND SLINGS TO AS 4497.1

WLL 30000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
SRS30000X3	30000	3	90	Orange	Each	1
SRS30000X4	30000	4	90	Orange	Each	5
SRS30000X5	30000	5	90	Orange	Each	4
SRS30000X6	30000	6	90	Orange	Each	3
SRS30000X8	30000	8	90	Orange	Each	2
SRS30000X10	30000	10	90	Orange	Each	2
SRS30000X12	30000	12	90	Orange	Each	1
SRS30000X15	30000	15	90	Orange	Each	1

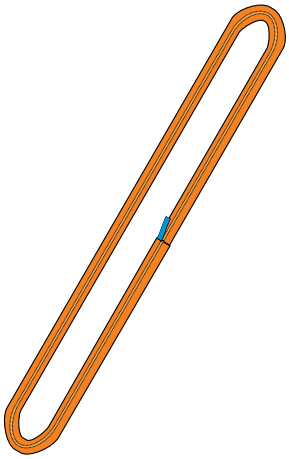


BEAVER ROUND SLINGS (CONT'D)

BEAVER JUMBO ROUND SLINGS TO AS 4497.1

WLL 50000kg x metres

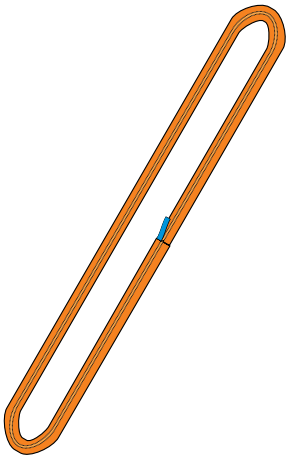
Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
SRS50000X2	50000	2	120	Orange	Each	1
SRS50000X3	50000	3	120	Orange	Each	1
SRS50000X4	50000	4	120	Orange	Each	3
SRS50000X5	50000	5	120	Orange	Each	3
SRS50000X6	50000	6	120	Orange	Each	2
SRS50000X8	50000	8	120	Orange	Each	1
SRS50000X10	50000	10	120	Orange	Each	1
SRS50000X12	50000	12	120	Orange	Each	1
SRS50000X15	50000	15	120	Orange	Each	2



BEAVER JUMBO ROUND SLINGS TO AS 4497.1

WLL 80000kg x metres

Code	WLL (kg)	Length (Mtr)	Width (mm)	Colour	UOM	Pack Qty
SRS80000X6	80000	6	120	Orange	Each	1
SRS80000X8	80000	8	120	Orange	Each	1
SRS80000X10	80000	10	120	Orange	Each	1



BEAVER CABLE STRAP

Code	Type	Length (mm)	Width (mm)	UOM	Pack Qty
340025RH	Susp Cable Web/Strap c/w Reflective S Hooks at each end	290	25	Each	200
340025RS	Susp Cable Web/Strap c/w Reflective S Hooks at each end	290	25	Each	200



BEAVER PROTECTIVE SLEEVING

BEAVER PROTECTIVE SLEEVING - WEBBING HEAVY DUTY

Code	Suit Sling Diameter (mm)	Suit Flat Sling Size (kg)	Suit Round Sling Size (kg)
PSL050WEB	35	500	
PSL065WEB	50	1000	1000 & 2000
PSL075WEB	60		2000
PSL090WEB	65	2000	3000
PSL120WEB	90	3000	4000
PSL150WEB	120	4000	5000
PSL200WEB	150	5000	6000 & 8000
PSL240WEB	180	6000	10000
PSL300WEB	240	8000	



BEAVER PROTECTIVE SLEEVING - HERRING BONE

Code	Suit Sling Diameter (mm)	Suit Flat Sling Size (kg)	Suit Round Sling Size (kg)
PSL050HER	50	1000	1000 & 2000
PSL065HER	65	2000	3000
PSL075HER	75	2000	
PSL090HER	90	3000	
PSL100HER	100		4000
PSL120HER	120	4000	5000
PSL150HER	150	5000	6000 & 8000
PSL180HER	180	6000	10000
PSL240HER	240	8000	
PSL300HER	300	10000	



BEAVER PROTECTIVE SLEEVING - LEATHER

Code	Suit Sling Diameter (mm)	Suit Flat Sling Size (kg)	Suit Round Sling Size (kg)
PSL050LEA	50	1000	1000 & 2000
PSL065LEA	65	2000	3000
PSL090LEA	90	3000	4000
PSL120LEA	120	4000	5000
PSL150LEA	150	5000	6000 & 8000
PSL200LEA	200	6000	10000
PSL240LEA	240	8000	
PSL300LEA	300	10000	



BEAVER PROTECTIVE SLEEVING - PVC

Code	Suit Sling Diameter (mm)	Suit Flat Sling Size (kg)	Suit Round Sling Size (kg)
PSL038PVC	50	1000	1000 & 2000
PSL050PVC	65	2000	3000
PSL065PVC	90	3000	
PSL075PVC	100	3000	4000
PSL100PVC	120	4000	5000
PSL150PVC	200	6000	10000
PSL200PVC	300	10000	



BEAVER BOAT LIFTING SLINGS

BEAVER BOAT LIFTING SLINGS

- Boat lifting slings are available in lengths from 2 metres
- 3 Finger and 4 Finger configurations available (See Diagram 1.1 & 1.2)

WLL 20000KG X METRES

Code	Number of fingers	Suit Sling Diameter mm	Suit Flat Sling Size Kg	Suit Round Sling Size Kg	WLL Vertical Sling Kg
545320F	3	3	2	10000	10000
545330F	3	3	3	10000	10000
545340F	3	3	4	10000	10000
545350F	3	3	5	10000	10000
545360F	3	3	6	10000	10000
545370F	3	3	7	10000	10000
545380F	3	3	8	10000	10000
545420F	4	4	2	10000	10000
545430F	4	4	3	10000	10000
545440F	4	4	4	10000	10000
545450F	4	4	5	10000	10000
545460F	4	4	6	10000	10000
545470F	4	4	7	10000	10000
545480F	4	4	8	10000	10000

NB: Joining Pin Assemblies Not Supplied

Note: Custom lengths are also available by special order



BEAVER OPTIONAL SHORTENING EYE

Code	Eye Length	Length Metres
545308F	1	1.5

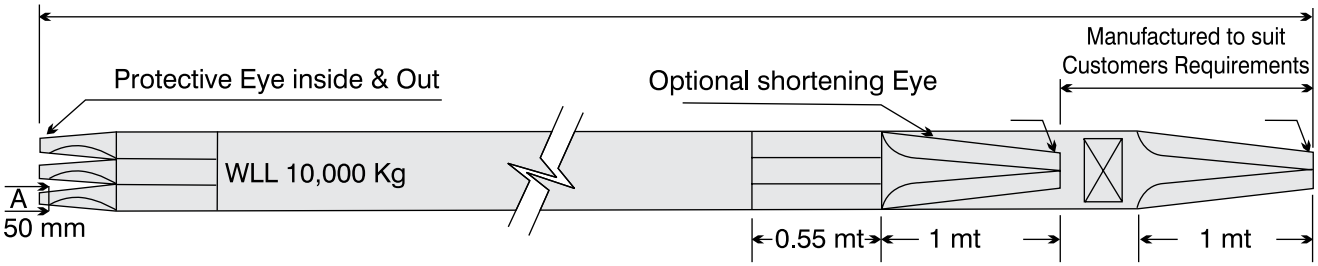


DIAGRAM 1.1

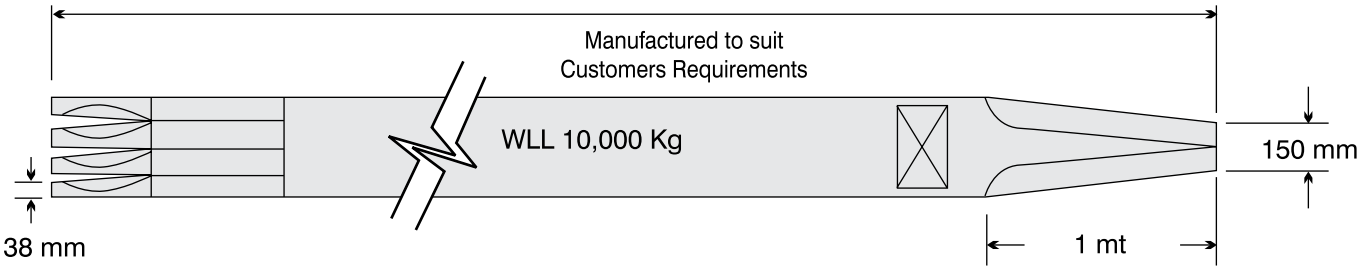
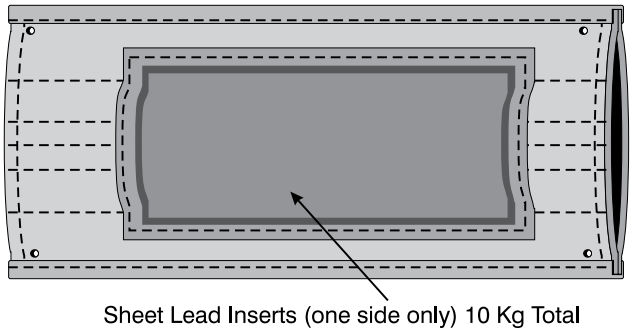


DIAGRAM 1.2

STANDARD CHINE PAD



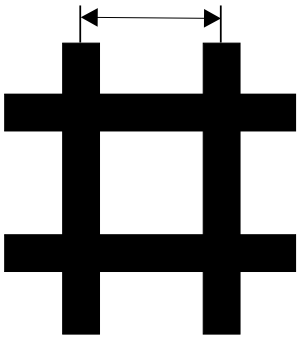
STANDARD KEEL PAD WITH LEAD INSERT



BEAVER LIFTING NETS

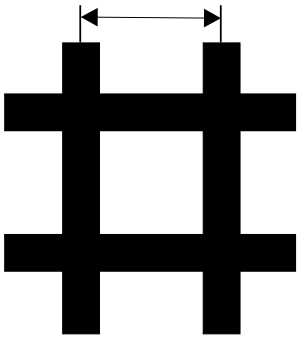
BEAVER LIFTING NETS POCKET PITCH 125MM CENTRE TO CENTRE

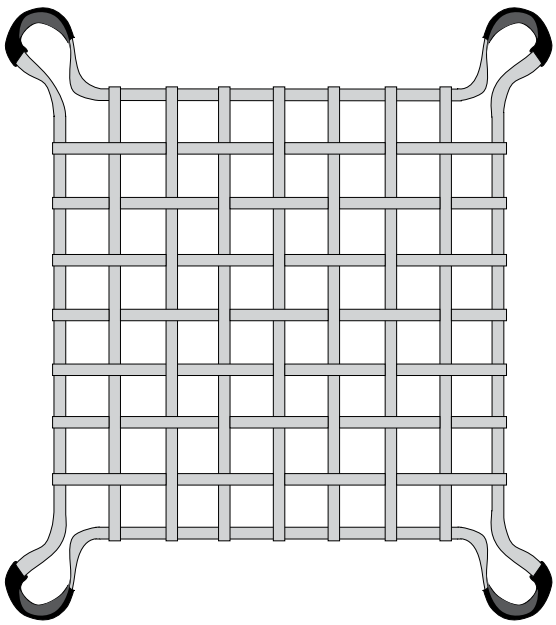
Code	WLL	Pocket Pitch mm
BSX0250101	2000	125
BSX0250202	2000	125
BSX0250303	2000	125
BSX0250404	2000	125
BSX0250505	2000	125



BEAVER LIFTING NETS - POCKET PITCH 200MM CENTRE TO CENTRE

Code	WLL	Pocket Pitch mm
BSX5500202	5000	200
BSX5500303	5000	200
BSX5500404	5000	200
BSX5500505	5000	200
BSX5500606	5000	200



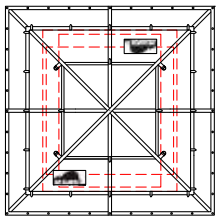


BEAVER SAFETY CARGO NET

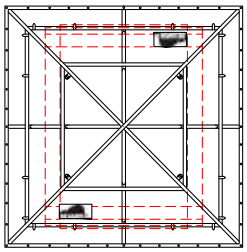
- Beaver's Safety Cargo Net is easily connected to an AS/NZS 4380 compliant load restraint system with the addition of the simple RTD kit nominated
- Beaver's Safety Cargo Net is load tested to 1000kg
- All states in Australia have regulations for covering loads with penalties being enforced

NOTE: NETTING SYSTEMS ALONE ARE NOT COMPLIANT WITH AS/NZS 4380

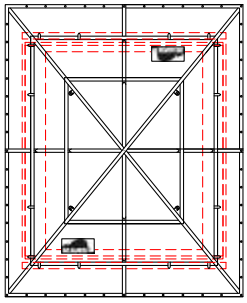
SIZES & APPLICATIONS			APPLICATIONS		
CODE	SIZE	NET SIZE SIZES MM	TRAILERS SIZES MM	CABS / UTES SIZES MM	MID SIZE TRUCK SIZES MM
NETSYS1	SMALL	2460 x 2460	1200 x 1800	1500 x 1500 1580 x 1900	-
NETSYS2	MEDIUM	2800 x 2840	1500 x 2400	1850 x 1880 1850 x 2180	2330 x 1850 2400 x 2330
NETSYS3	LARGE	2800 x 3440	-	-	2480 x 2330 2400 x 2550 2400 x 2630 2400 x 2780



SMALL



MEDIUM



LARGE



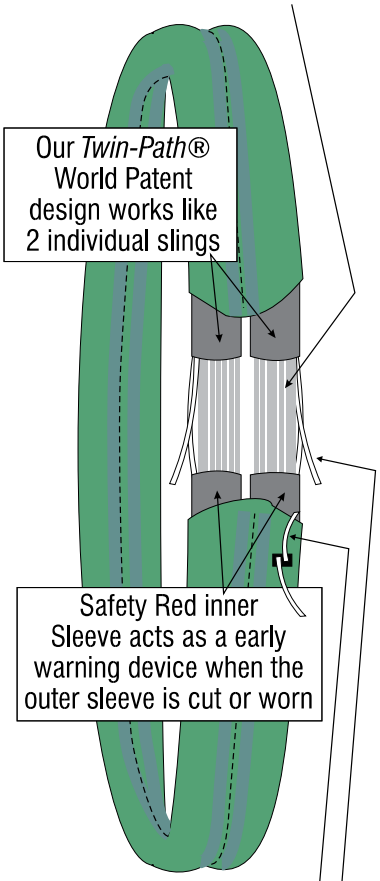


BEAVER TWIN-PATH® SLINGS

TWIN-PATH® EXTRA SLING WITH COVERMAX® AND K-SPEC® CORE YARN TPXC

- This is the world's strongest sling manufactured in Australia by Beaver under licence
- Covermax® covers for superior abrasion resistance
- Sizes up to 600 tons vertical rated capacity (larger capacity slings are available on special order)
- Overload indicators, inner red cover, and are used worldwide in place of wire rope slings for heavy lifts
- They are approximately 10% of the weight of a steel sling
- The Twin-Path® patented design provides the rigger with two connections between the hook and the load for redundant back-up protection. These slings have less than 1% stretch at rated capacity
- If ergonomics, productivity and safety are important, then these slings are the only choice
- This is the lightest and strongest sling on the market today with K-Spec® – the longest lasting load bearing core yarn, backed by independent testing

Our High performance fibres known as (*K-Spec*) have 1% elongation at rated capacity. With a high resistance to chemicals, heat & moisture.



Our optical fibre allows for internal integrity check of the core yarn.

Tell-Tails
When the sling is stretched beyond its elastic limit, they retreat and eventually disappear under the tag. Take out of service if Tell-Tails are not visible.

CHECK-FAST® INSPECTION SYSTEM

- The Check-Fast® System is designed to improve job-site safety
- The Fast® Tag and External Warning Indicator (EWI) on a round sling product provides for a pass/fail inspection of the internal load bearing core yarn
- Damage to the core yarn from ultraviolet (UV) light degradation, fibre on fibre abrasion, fatigue, and severe overload can be detected
- If the sling is mistakenly overloaded beyond rated capacity, the EWI is designed to disappear before the sling fails. The sling inspector now has a GO/NO-GO inspection device rather than relying on a subjective hand-over-hand inspection to make an educated guess if the load bearing core yarns are in good condition

FIBRE OPTIC INSPECTION FOR TWIN-PATH® SLINGS

- Twin-Path® slings have the Fibre Optic inspection system
- The condition of the internal core yarn can be inspected just by checking the continuity of the fibre optic cable
- ability to transmit light from one end to the other giving the inspector a reason to remove the sling from service and send it in for repair evaluation
- The fibre optic cable will conduct light using natural, overhead or flashlight sources
- The inspector simply covers and removes his finger from one end and watches the other end for blinking which indicates that the sling is OK to use for another lift
- NOTE: Not recommended in Twin-Path® Slings above 100T rated.

SYNTHETIC ARMOR™ PADS: ABRASION PROTECTION

- Synthetic ArmorTM pads protect slings from abrasion damage which can be caused by contact with rough surfaces such as concrete beams and structures
- They are also used to protect finished or painted loads from marring
- These pads can be made to fit any length or width sling
- They can also be made in long lengths which the customer can cut into suitable sizes on the job
- Double or triple thickness provides resistance for the more severe conditions
- There is no maximum width and a variety of materials are used to protect slings and to protect loads depending on the degree of abrasion expected in the application

SPARKEATER®: FIRE RESISTANT SOFT SLING

Beaver's Fire Resistant Soft Sling is designed for steel workshops, welders, boiler makers etc. and is perfect for construction sites that need to weld in steel while held by a crane.
It has the same advantages as normal Twin-Path® – ie: Weight saving and ease of handling, ability to reduce the rigging gear tare weight.

BEAVER TWIN-PATH® SLINGS

SPARKEATER®: FIRE RESISTANT SOFT SLING (CONT'D)

The Sparkeater® sling is ideal for hot environments up to 150°C, enabling a lift without marring the surface of the lifted piece. Also, for stage rigging giving protection from fire, heat, sparks and pyrotechnics. Black is available for theatre or yellow for all other applications.

When lifting heated steel, wire rope or chain slings might scratch the load causing expensive rework. Fire exposure testing was performed by London Scientific and the product was identified as being as good as wire rope or chain for use in off-shore applications in the oil industry.

- All Sparkeater® Slings are yellow to distinguish them from other types and make them identifiable on site. They are approx 10% more expensive than twin path so use your Twin-Path® Calculator and add 10% to cost them up
- Sparkeater® comes with EWI (External Warning Indicators) same as you see on Twin-Path®
- These slings are manufactured by Beaver under licence from an aramid high performance core yarn



BEAVER TWIN-PATH® SLINGS

BEAVER TWIN-PATH® CHART 7:1 - LIFTING

Code	Vertical WLL Kg	Choke WLL Kg	Basket WLL Kg	60° WLL Kg	Tube Width mm	Weight Per Metre Kg
TPXC5	5000	4000	10000	8500	75	0.57
TPXC6	6000	4800	12000	10200	75	0.68
TPXC8	8000	6400	16000	13600	75	0.91
TPXC10	10000	8000	20000	17000	100	1.14
TPXC12	12000	9600	24000	20400	125	1.36
TPXC15	15000	12000	30000	25500	125	1.7
TPXC20	20000	16000	40000	34000	125	2.27
TPXC25	25000	20000	50000	42500	150	2.84
TPXC30	30000	24000	60000	51000	150	3.41
TPXC35	35000	28000	70000	59500	200	3.98
TPXC40	40000	32000	80000	68000	200	4.55
TPXC45	45000	36000	90000	76500	200	5.11
TPXC50	50000	40000	100000	85000	200	5.68
TPXC55	55000	44000	110000	93500	250	6.25
TPXC60	60000	48000	120000	102000	250	6.82
TPXC65	65000	52000	130000	110500	250	7.39
TPXC70	70000	56000	140000	119000	300	7.96
TPXC75	75000	60000	150000	127500	300	8.52
TPXC80	80000	64000	160000	136000	300	9.09
TPXC85	85000	68000	170000	144500	300	9.66
TPXC90	90000	72000	180000	153000	300	10.23
TPXC95	95000	76000	190000	161500	300	10.8
TPXC100	100000	80000	200000	170000	300	11.37
TPXC105	105000	84000	210000	178500	250 & 100	11.93
TPXC110	110000	88000	220000	187000	250 & 100	12.5
TPXC115	115000	92000	230000	195500	250 & 100	13.07
TPXC120	120000	96000	240000	204000	250 & 100	13.64
TPXC125	125000	100000	250000	212500	250 & 100	14.21
TPXC130	130000	104000	260000	221000	250 & 100	14.77
TPXC135	135000	108000	270000	229500	250 & 150	15.34

BEAVER TWIN-PATH® SLINGS CONT'D

(CONT'D) - BEAVER TWIN-PATH® CHART 7:1 - LIFTING

Code	Vertical WLL Kg	Chocker WLL Kg	Basket WLL Kg	60° WLL Kg	Tube Width mm	Weight Per Metre Kg
TPXC140	140000	112000	280000	238000	250 & 150	15.91
TPXC145	145000	116000	290000	246500	250 & 150	24.72
TPXC150	150000	120000	300000	255000	250 & 150	25.27
TPXC155	155000	124000	310000	263500	250 & 150	26.42
TPXC160	160000	128000	320000	272000	250 & 150	27.28
TPXC165	165000	132000	330000	280500	250 & 150	28.13
TPXC170	170000	136000	340000	289000	250 & 150	28.98
TPXC175	175000	140000	350000	297500	250 & 150	29.83
TPXC180	180000	144000	360000	306000	250 & 200	30.69
TPXC185	185000	148000	370000	314500	250 & 200	31.54
TPXC190	190000	152000	380000	323000	250 & 200	32.39
TPXC195	195000	156000	390000	331500	250 & 200	33.24
TPXC200	200000	160000	400000	340000	250 & 200	34.1

Also Available Beaver Twin-Path® Chart 5:1 - Towing

BEAVER 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

MBS (Minimum Breaking Strain)



SECTION 9 / FIBRE ROPE

CONTENTS

BEAVER FIBRE ROPE PRODUCT INFORMATION

BEAVER SILVER ROPE

BEAVER POLYPROPYLENE ROPE

BEAVER SISAL ROPE

BEAVER SUPERDAN ROPE



Beaver's complete range of fibre ropes comprises general purpose through to UV treated high tenacity specialised ropes to ensure the best for your application.

BEAVER FIBRE ROPE PRODUCT INFORMATION

SYNTHETIC (MAN MADE) FIBRE ROPE

For any given diameter, ropes made from synthetic materials are generally far stronger and much cheaper than those made from natural fibers. Because of low water absorption the breaking strain of synthetic rope remains constant even when wet; when it breaks however, it does so without warning. Synthetic rope is resistant to rot, has a longer life, and can be colored for ease of recognition.
Rope ends can be heat sealed to prevent unlaying of the strands. The relatively low melting point of most man-made fibers means that it is important to avoid friction or synthetic ropes binding against each other - knots can actually fuse together when put under load.



NYLON

- Nylon is the generic description for synthetic polymers
- High breaking strength
- Light weight per unit of strength
- Excellent elasticity and tensile recovery
- Superior absorption of impact and shock loads
- Excellent flexibility and abrasion resistance, which is ideal for pulley systems or winches
- High resistance to creep under sustained loads
- Is not damaged by oil or most chemicals
- Does not become progressively softer with a rise in temperature
- Excellent resistance to rotting
- Good sunlight and weather resistance
- High melting point
- Absorb moisture and lose approximately 10% of their strength when wet
- Nylon is unsuitable for lifting as the slings would stretch and cause the loads to bounce
- Are sensitive to phenols, strong acids, concentrated formic acid, sunlight
- Has resistance to acetones, organic solvent, mineral and organic acids

MECHANICAL PROPERTIES:

- Specific gravity: 1.14 g/cm3 (Doesn't float on water)
- Melting point: 215-260°C
- Resistance to short term Heat: 130°C
- Tensile Strength of Nylon: 100 kg/mm2
- Elongation at break points: 18-24%
- Ultra Violet (UV) resistance: Good
- Resistance to Alkalis: Good at low concentration
- Resistance to Acids: Predominantly good

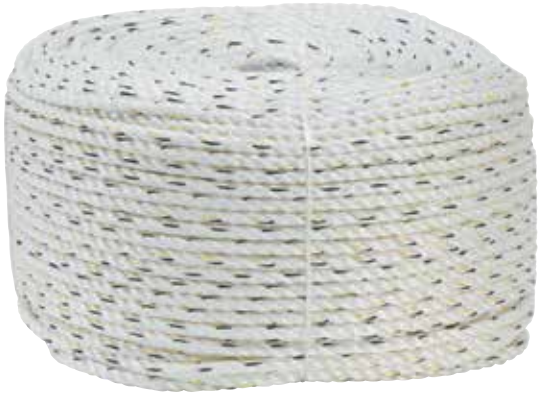
FIBRE ROPE

POLYESTER

- Polyester is very close to Nylon in strength when a steady force is applied
- Unlike nylon, polyester stretches very little and therefore cannot absorb shock loads
- It is as equally resistant as nylon to moisture and chemicals
- Is superior in resistance to abrasion and sunlight and is the best rope material for outdoor
- Easy to dye - particular lines can be colour coded for ease of recognition
- Soft feel for handling but a little heavier than Nylon
- Typically only lose 10% of its breaking strength after 2 years of outdoor use
- Does not soften progressively with a rise in temperature
- Minimal strength loss when wet
- Has a very high resistance to the degrading effects of sunlight and weather
- It is not susceptible to attack by rot and mildew
- Unlike nylon, polyester is resistant to acids and attack by alkalis
- Is sensitive to hot caustic soda, concentrated ammonia, concentrated sulphuric acid
- Has resistance to organic mineral and nitric acids, oxidizing agents, diluted alkali

MECHANICAL PROPERTIES:

- Specific gravity: 1.38 g/cm3 (Doesn't float on water)
- Melting point: 225-240°C
- Resistance to short term Heat: 170°C
- Tensile Strength of Polyester: 115 kg/mm2
- Elongation at break points: 10-17%
- Ultra Violet (UV) resistance: Excellent
- Resistance to Alkalis: Good at room temperature
- Resistance to Acids: Predominantly good



BEAVER FIBRE ROPE PRODUCT INFORMATION

POLYPROPYLENE

- Light weight with ability of floating on water
- Doesn't lose strength in wet environments
- Immune to attack by rot and mildew
- Highly resistant to attack by acids and alkalis
- Often sleeved with a braided material for softer handling
- Affected by sunlight deterioration, more so than any other synthetic
- Not as strong as nylon or polyester, but 2-3 times stronger than manila
- Softens progressively with a rise in temperature
- Begins to weaken and melt at 150°c
- Excellent dielectric ability and does not conduct an electric current and acts as an insulator
- Lacks stretch memory. When stretched, it will not return to its normal size
- Sensitive to bleaching agents (sodium hypochlorite), cleaning agents (trichloroethylene)
- Resistance to most alkalis and acids, solvent and oxidizing agents

MECHANICAL PROPERTIES:

- Specific gravity: 0.91 g/cm3 (Float on water)
- Melting point: 150-175°C
- Resistance to short term Heat: 80°C
- Tensile Strength of polypropylene: Approx 60 kg/mm2
- Elongation at break points: 13-17 %
- Ultra Violet (UV) resistance: Fair
- Resistance to Alkalis: Excellent
- Resistance to Acids: Excellent



FIBRE ROPE

POLYETHYLENE

- Low in strength compared with other synthetic fibre rope
- Identical with polypropylene in appearance but somewhat more slippery
- Softens progressively with a rise in temperature
- Resistant to strong and weak acids and alkalis (excepting nitric acid)
- Resistant to alcohol and bleaching solutions
- Floats on water and its tensile strength remains the same dry or wet
- Not damaged by ultraviolet effects, doesn't need to be dyed
- Most commonly found in small diameters. e.g. as a water-ski towline
- It is slightly heavier than polypropylene rope
- Has a lower breaking strength when compared to a high tenacity Polypropylene rope such as Superdan
- Is sensitive to Xylene at 93°C deteriorates on very long exposure to sunlight or heat, hot nitric or sulphuric acids
- Has resistance to most acids, alkalis, grease oil, organic solvent and water

MECHANICAL PROPERTIES:

- Specific gravity: 0.93 g/cm3 (Float on water)
- Melting point: 135°C
- Resistance to short term Heat: 70°C
- Tensile Strength of Polyethylene: Approx 40 kg/mm2
- Elongation at break points: 20-24%
- Ultra Violet (UV) resistance: Fair
- Resistance to Alkalis: Excellent
- Resistance to Acids: Excellent (excepting nitric acid)



BEAVER SILVER ROPE

Beaver Silver Rope is made from synthetic polyethylene fibres with a three strand construction. It has medium strength and durability, and a medium to soft lay for easy handling. Fibrillated film produces hairs that protrude from the rope providing excellent knotting and anti-abrasion properties.

It is resistant to oil, petrol, acid, rot, mildew, sunlight and weathering; making this rope suitable for external use. Silver Rope floats and can be stored wet.It is suitable for tying down loads on trucks, trailers and for farm use.

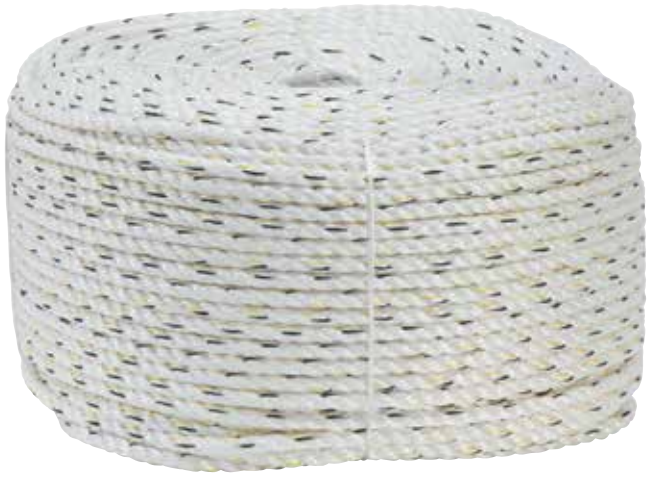
- Made to Australian Standard AS4142.2

BEAVER SILVER STAPLE ROPE POLYETHYLENE TO AS 4142.2

(3 Strand) Tie-down Rope for Transport (Full Coils Only) Natural White Colour Z Twist, UV Treated, Medium Lay

Code	Size mm	Min breaking force kN	Coil Length mtr
347004DA	4	1.8	250
347006	6	3.69	250
347008	8	6.1	250
347010	10	9.26	250
347012	12	12.4	250
347014	14	14.1	250
347016	16	20.8	250
347018	18	25.4	250
347024	24	43.1	250

EASILY IDENTIFIABLE 3 STRAND SILVER (POLYETHYLENE) LASHING ROPE BY THE UNIQUE BLACK AND YELLOW EXTERNAL TRACERS IDENTIFYING THE GENUINE BEAVER TRUCKERS' ROPE.



FIBRE ROPE

BEAVER SILVER STAPLE ROPE POLYETHYLENE TO AS 4142.2

(3 Strand - Full Flanged Reels Only) (coloured white)

Code	Size mm	Min breaking force kN	Reel Length mtr
347006A	6	3.69	125
347008A	8	6.1	125
347010A	10	9.26	125
347012A	12	12.4	125
347014A	14	14.1	125
347016A	16	20.8	125
347018A	18	25.4	125
347020A	20	31	125



BEAVER "TRUCKERS" - TRUCKERS SILVER LASHING ROPE TO AS 4142.2

(3 Strand Polyethelene - Ultra-violet treated) Full Cartons Only
Z Twist, Medium Lay - White Coil with Black & Yellow External Tracer

Code	Size mm	Min breaking force kN	Coil Length	Hanks Per Carton
347010HC	10	9.26	10m	10
347010HD	10	9.26	12m	10
347012HD	12	12.4	12m	10



BEAVER POLYPROPYLENE FILM ROPE

Beaver Polypropylene Film Rope is made from synthetic polypropylene and has a three strand twisted construction.

It has high strength properties and is very durable and easy to handle. It is resistant to oil, petrol, acid, rot, mildew, sunlight and weathering; as a result this rope is suitable for exterior use. It is suitable for tying down loads on cars, trailers, trucks and for farm use.

It can be used as an anchor rope, dinghy mooring line, interior and exterior clothesline as well as for general purpose applications.

- Made to Australian Standard AS4142.2

POLYPROPYLENE FILM ROPE TO AS 4142.2

(3 Strand - Z Twist, UV Treated, Medium Lay, Colour Yellow c/w 2 black external tracers) Full Coils Only

Code	Size mm	Min breaking force kN	Coil Length mtr
347204	4	2.1	300
347206	6	4.48	250
347208	8	10.4	250
347210	10	15.3	250
347212	12	21.7	250
347214	14	29.9	250
347216	16	37	250
347218	18	47.2	250
347220	20	56.9	250
347222	22	68.2	250
347224	24	79.7	250
347232	32	132	220



POLYPROPYLENE FILM ROPE TO AS 4142.2

(3 Strand - Z Twist, UV Treated, Medium Lay, Colour Yellow c/w 2 black external tracers) Full Coils Only

Code	Size mm	Min breaking force kN	Reel Length mtr
347206A	6	4.48	125
347208A	8	10.4	125
347210A	10	15.3	125
347212A	12	21.7	125
347214A	14	29.9	125





BEAVER SISAL ROPE

Beaver Sisal Rope is made from natural staple fibres with a three strand twisted construction. It has exposed fiber ends that provide an ability to hold knots.

It is biodegradable, however has a natural resistance to sunlight and weather allowing a reasonably long life in external applications. It is ideal for tying down loads on trailers, trucks and for farm use, as well as for camping.

- Made to Australian Standard AS4142.2

BEAVER SISAL ROPE TO AS 4142.2

(3 Strand - Full Coils Only) Natural Colour

Code	Size mm	Min breaking force kN	Coil Length mtr
347606	6	2.55	250
347608	8	4.73	250
347610	10	6.22	250
347612	12	9.36	250
347616	16	17.7	250
347618	18	20.1	250
347620	20	27.9	250
347624	24	39.9	250



BEAVER SISAL ROPE TO AS 4142.2

(3 Strand - Full Flanged Reels Only) Natural Colour

Code	Size mm	Min breaking force kN	Coil Length mtr
347606A	6	2.55	125
347608A	8	4.73	125
347610A	10	6.22	125
347612B	12	9.36	80



SECTION 10 / TRANSPORT RESTRAINT EQUIPMENT

CONTENTS

BEAVER TRANSPORT RESTRAINT PRODUCT INFORMATION

BEAVER TRUCK WINCHES

BEAVER RATCHET ASSEMBLIES

BEAVER GRADE 70 LASHING CHAIN AND FITTINGS

BEAVER GRADE 70 LOADBINDERS

BEAVER GRADE 70 WEB DOG

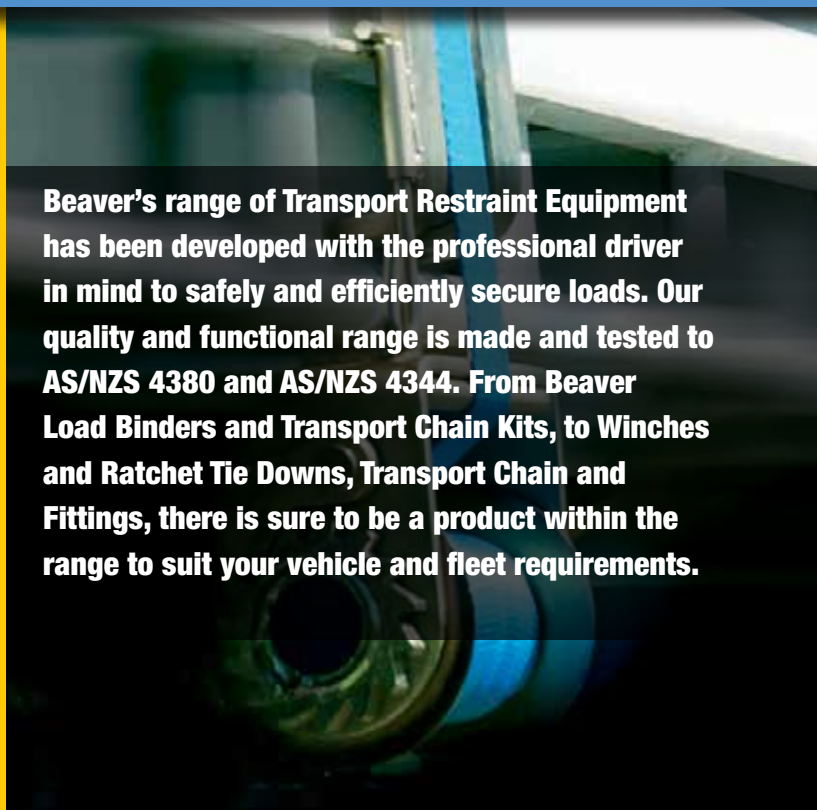
BEAVER POLYESTER REPLACEMENT STRAPS

BEAVER WINCH BAR

BEAVER TRANSPORT GENERAL

BEAVER PRODUCTS

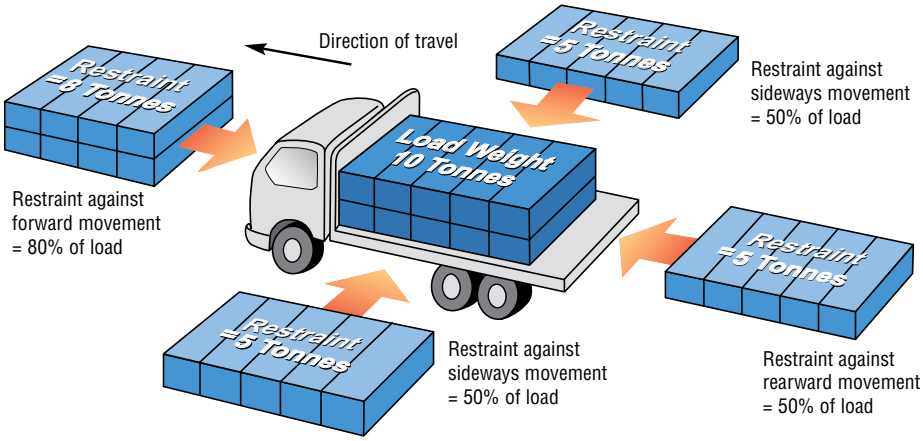
BEAVER JACK SERIES



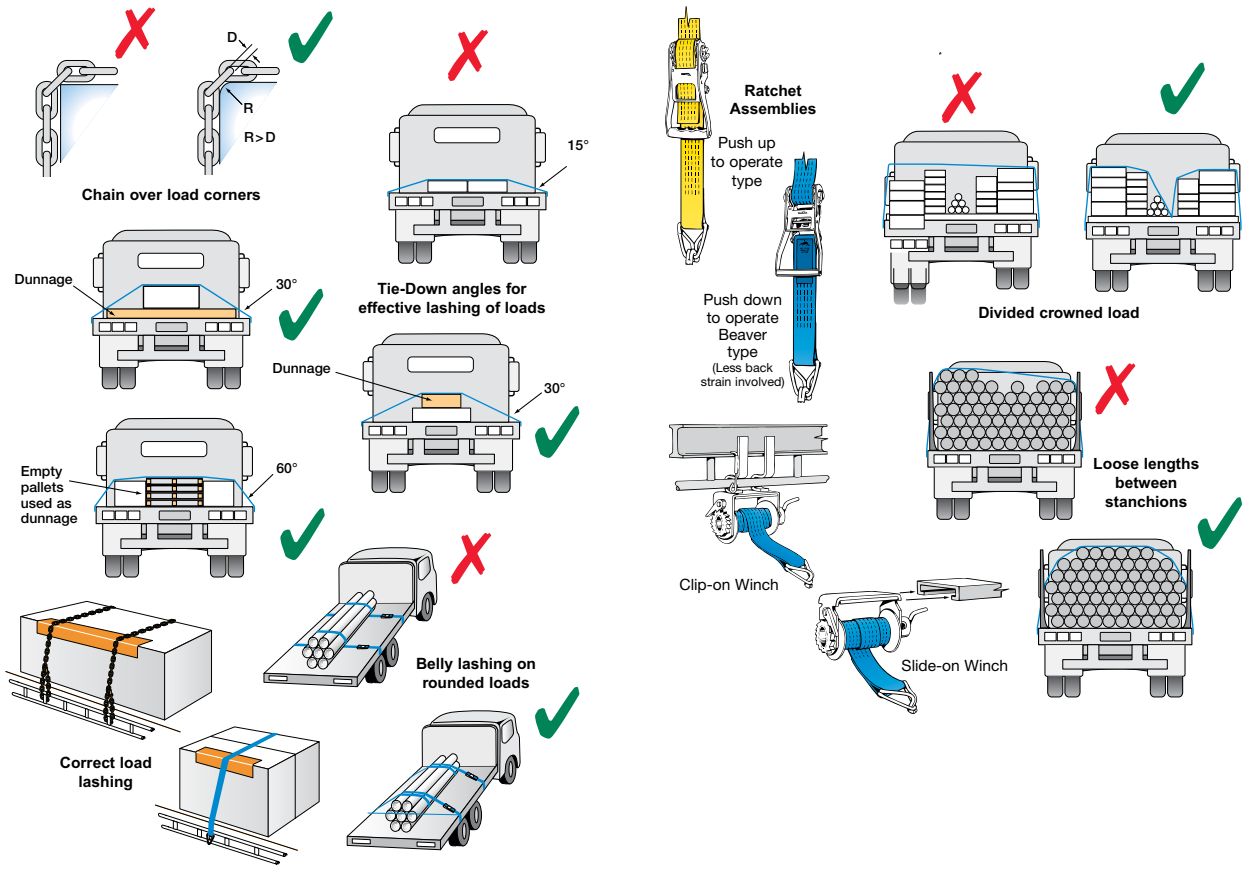
Beaver's range of Transport Restraint Equipment has been developed with the professional driver in mind to safely and efficiently secure loads. Our quality and functional range is made and tested to AS/NZS 4380 and AS/NZS 4344. From Beaver Load Binders and Transport Chain Kits, to Winches and Ratchet Tie Downs, Transport Chain and Fittings, there is sure to be a product within the range to suit your vehicle and fleet requirements.

BEAVER TRANSPORT RESTRAINT PRODUCT INFORMATION

SAFE LOAD RESTRAINT GUIDE



Minimum Horizontal Restraint



BEAVER TRUCK WINCHES

TRUCK WINCH GUIDELINES



- Keep it tight - not loose
- Make sure gear teeth are in good working order
- Make certain appropriate winch is used
- If you are using a Clip-on Winch – ensure the arms are straight not bent
- When in use, ensure that at least 3 loops of webbing remain on winch drum

BEAVER MARK VI CLIP-ON TRUCK WINCHES

Complies to AS/NZS 4380

Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
342109-9A	Clip-on winch c/w 9m strap	Hook & Keeper	50	9	2500	7.45	Each
342109-12A	Clip-on winch c/w 12m strap	Hook & Keeper	50	12	2500	7.85	Each



BEAVER MARK VI SLIDE-ON TRUCK WINCHES

Complies to AS/NZS 4380

Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
342009-9	Slide-on winch c/w 9m strap	Hook & Keeper	50	9	2500	10.25	Each

Compatible with Beaver's Reversible Ratchet Winch Bar (342420)



WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR LIFTING

BEAVER TRUCK WINCHES

BEAVER REVERSIBLE RATCHET WINCH BAR

To suit Mark VI Truck Winches ONLY

Code	Description	Weight (Kg)	UOM
342420	Reversible Ratchet Winch Bar	2.1	Each

Compatible with Beaver's Reversible Ratchet Winch Bar (342420)





BEAVER RATCHET ASSEMBLIES

RATCHET ASSEMBLY GUIDELINES

- Ratchet with hook and keeper must be fitted correctly, refer to the markings showing the lashing capacity
- The Beaver ratchet has a double pawl and locking action safety system that prevents it accidently slipping off the load
- All Beaver webbing is treated with polyurethane, so as to resist grit penetration
- All Beaver Truckers ratchet assemblies are provided with 2 protective sleeves



- Reinforced eyes are provided with Beaver hook and keeper to add life to the unit
- Safety and ID labels are sewn into the webbing for traceability with lashing capacity and date of manufacture shown to aid the driver in planning their WH&S risk

NOT ALL RATCHET TIE-DOWN (RTD) ASSEMBLIES ARE THE SAME!

Beaver Truckers' Ratchet Tie-down (RTD) Assemblies, ranging from 25mm to 100mm, have been developed with the following principles:

Safety
All Ratchet assemblies comply to Australian Cargo Restraint System Standards AS/NZS 4380.

Quality
RTD Straps are 100% polyester which is heat set, stretched and polyurethane (PU) impregnated, resulting in low strain, long life, wear resistance, and durability demanded in flatbed tie-down requirements.

Traceability
All RTD straps come complete with blue polyester safety labels, identifying the manufacturer / supplier, the material the straps are made from, the standard, the date of manufacture and the length. Also included is the serial number together with the date of manufacture which is stitched into the webbing for traceability, in the event the label is dislodged.

Testing
All RTD Assemblies are subject to testing criteria of our manufacturing process. In order to verify their lashing capacities after manufacture/assembly these are traced back to their batch serial numbers that appear on the blue polyester safety labels. This enables the products to be identified by our manufacturing procedure that is verified by further break tests in our NATA laboratories.

User friendly visual features
Consist of being able to recognise, at a glance the lashing capacity, which is stencilled on to the webbing and also the two (2) protective sleeves.

Flexibility
All RTD straps come complete with standard hook & keepers, clearly marked with lashing capacity and ID marks. Longer lengths of webbing, different webbing widths, together with an abundance of various end fittings are available on request and are made to order.

Back-up service
Beaver's nation-wide distribution branches, that are NATA accredited, can offer after-sales service in the form of inspection and testing of Ratchet assemblies & RTD straps by competent personnel.

BEAVER RATCHET ASSEMBLIES

BEAVER 25MM CAM BUCKLE ASSEMBLY

c/w Black vinyl "S" Hooks at each end. Complies to AS/NZS 4380

Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
MBT020	25mm x 2m Motor Bike Tie Down (1 pair)	S	25	2	250	0.8	Each

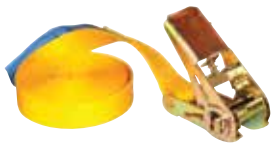


BEAVER 25MM MULTI PURPOSE RATCHET TIE DOWN ASSEMBLY

Complies to AS/NZS 4380

Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
RTD025SD04E	25mm x 4m endless S/Duty	n/a endless	25	4	900	0.6	Each
349025RB	25mm x 5m rubber grip handle c/w hook & keeper	Hook & Keeper	25	5	500	0.8	Each
349025RSB	25mm x 4m rubber grip handle c/w black vinyl "S" hooks	S	25	4	450	0.75	Each





BEAVER 35MM MULTI PURPOSE RATCHET TIE DOWN ASSEMBLY

Complies to AS/NZS 4380

Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
RTD035SD06T	35mm x 6m Boat tie down assy. S/Duty	J & S	35	6	500	1.5	Each
RTD035HD06H	35mm x 6m c/w hook & keeper	Hook & Keeper	35	6	1250	1.5	Each
349035RB	35mm x 6m rubber grip handle c/w hook & keeper	Hook & Keeper	35	6	1500	1.6	Each
349035RSB	35mm x 6m rubber grip handle c/w black vinyl "S" hooks	S	35	6	1000	1.5	Each



⚠ WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR LIFTING

BEAVER 50MM MULTI PURPOSE RATCHET TIE DOWN ASSEMBLY

Complies to AS/NZS 4380



Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
RTD050LD06H	50mm x 6m c/w hook & keeper L/Duty	Hook & Keeper	50	6	1000	1.6	Each
RTD050LD06S	50mm x 6m c/w "S" hooks L/Duty	S	50	6	500	1.5	Each
RTD055PL-4	50mm x 4m c/w hook & keeper	Hook & Keeper	50	4	2500	1.2	Each
RTD050HD08J	50mm x 8m H/D Ratchet Assy. f/w J Hook	J Hook	50	8	2500	2.8	Each
RTD055PL	50mm x 9m c/w hook & keeper	Hook & Keeper	50	9	2500	3.1	Each
RTD055PL-12	50mm x 12m c/w hook & keeper	Hook & Keeper	50	12	2500	3.4	Each

BEAVER 50MM HEAVY DUTY RATCHET TIE DOWN ASSEMBLY

Rubber Grip Handle Complies to AS/NZS 4380



Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
349053	50mm x 9m c/w hook & keeper	Hook & Keeper	50	9	3000	3.5	Each
349053-12	50mm x 12m c/w hook & keeper	Hook & Keeper	50	12	3000	4.2	Each

BEAVER 75MM HEAVY DUTY RATCHET TIE DOWN ASSEMBLY

Complies to AS/NZS 4380



Code	Description	Hook Type	Width mm	Length m	LC (Kg)	Weight (Kg)	UOM
349075	75mm x 9m c/w hook & keeper H/Duty	Hook & Keeper	75	9	5000	7.5	Each
349075-12	75mm x 12m c/w hook & keeper H/Duty	Hook & Keeper	75	12	5000	8.2	Each
RTD075HD09E	75mm x 9m Endless	n/a Endless	75	9	5000	7.5	Each
RTD075HD10E	75mm x 10m Endless	n/a Endless	75	10	10000	8.0	Each

WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR LIFTING

BEAVER GRADE 70 LASHING CHAIN AND FITTINGS

BEAVER GRADE 70 TRANSPORT CHAIN AND FITTINGS

Beaver Transport Chain and fittings are manufactured from heat treated carbon steel, in accordance with Australian/ New Zealand Standards AS/NZS 4344.

- Transport Chain and Components are primarily used in lashing applications to tie down loads on transport equipment
- Beaver G70 Chain is high quality and has undergone stringent testing and quality control
- All Beaver G70 Chain and Fittings are clearly marked Grade 70 with lashing capacity "LC" and size of chain
- Beaver Chain Kits are supplied in convenient resealable poly buckets for immediate use and easy storage
- The yellow Di-chromate (gold) plating makes it easily recognisable even from a distance

TRANSPORT CHAIN FITTINGS GUIDELINES

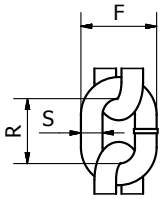
- Transport G70 Chain is NOT to be used for any lifting purpose
- Ensure your G70 Chain is marked showing capacity and Australian Standard for easy viewin confirmation of load size



BEAVER GRADE 70 TRANSPORT CHAIN

Zinc Di-chromate(Gold Finish) High Tensile – to AS/NZS 4344

Code	Lashing Capacity Tonnes	Size mm	S mm	R mm	F mm	Weight Per m	Finish	UOM	Metres Per 100 (Kg)
145006	2.3	6	6	18.5	20	0.8	Zinc Di-chromate	Metre	125
145007	3.0	7	7	22	24	1.1	Zinc Di-chromate	Metre	92
145008	3.8	8	8	24	28	1.43	Zinc Di-chromate	Metre	70
145010	6.0	10	10	30	35	2.23	Zinc Di-chromate	Metre	45
145013	9.0	13	13	39	45.5	3.75	Zinc Di-chromate	Metre	26.8





NOT TO BE USED FOR LIFTING

Metres per drum are subject to + or - 10% on actual metreage

GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES

* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

NOT APPROVED FOR LIFTING

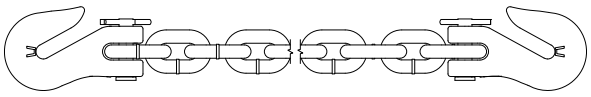
BEAVER GRADE 70 LOAD CHAIN KIT WITH GRAB HOOKS EACH END 6 METRES OF G70 CHAIN

Zinc Di-chromate (Gold Finish) Complies to AS/NZS 4344

Code	Chain Size mm	Chain Length m	Chain Part Number	Grab Hook Part Number	LC Kg	Weight Kg	UOM
400603	6	6	145006	354006	2300	5.28	Each
409003	7.1	6	145007	354008	3000	7.3	Each
401003	8	6	145008	354008	3800	9.34	Each
406003	10	6	145010	354010	6000	14.32	Each





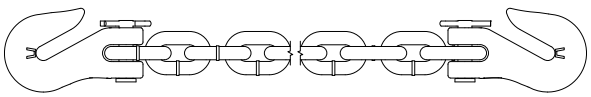


BEAVER GRADE 70 LOAD CHAIN KIT WITH WINGED GRAB HOOKS* EACH END 9 METRES OF G70 CHAIN

Zinc Di-chromate (Gold Finish) Complies to AS/NZS 4344

Code	Chain Size mm	Chain Length m	Chain Part Number	Grab Hook Part Number	LC Kg	Weight Kg	UOM
400903	6	9	145006	354006	2300	7.68	Each
411003	7.1	9	145007	354008	3000	10.57	Each
145128	8	9	145008	354008	3800	13.63	Each
408003	10	9	145010	354010	6000	20.98	Each





GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES

* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

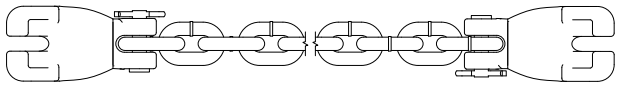
NOT APPROVED FOR LIFTING

BEAVER GRADE 70 LASHING CHAIN AND FITTINGS

BEAVER GRADE 70 TRANSPORT CHAIN WITH CLAW HOOKS EACH END 6 METRES OF G70 CHAIN

Zinc Di-chromate (Gold Finish) Complies to AS/NZS 4344

Code	Chain Size mm	Chain Length m	Chain Part Number	Claw Hook Part Number	LC (Kg)	Weight (Kg)	UOM
401002	8	6	145008	352008	3800kg	9.68	Each
406002	10	6	145010	352010	6000kg	14.5	Each

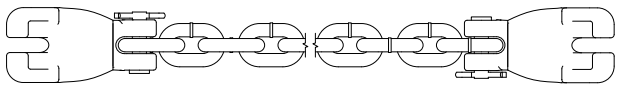




BEAVER GRADE 70 TRANSPORT CHAIN WITH CLAW HOOKS EACH END 9 METRES OF G70 CHAIN

Zinc Di-chromate (Gold Finish) Complies to AS/NZS 4344

Code	Chain Size mm	Chain Length m	Chain Part Number	Claw Hook Part Number	LC (Kg)	Weight (Kg)	UOM
411002	7.1	9	145007	352008	3000kg	10.91	Each
405002	8	9	145008	352008	3800kg	13.97	Each
408002	10	9	145010	352010	6000kg	21.16	Each





GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES

* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

NOT APPROVED FOR LIFTING

BEAVER "GOLD" DRAG CHAIN KIT

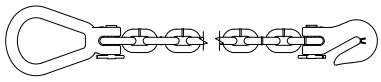
Grade 70 Hi Tensile 5m Combo Kit c/w Lug Link, Slip Hook & Grab Hooks & 5m of G70 chain.*
Zinc Di-chromate (Gold Finish)

Code	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
412007	7.1	5	145007	354008	353008	356008	3000kg	6.69	Each
412008	8	5	145008	354008	353008	356008	3800kg	8.39	Each
412010	10	5	145010	354010	353010	356010	6000kg	12.8	Each
412013	13	5	145013	354013	353013	356013	9000kg	20.17	Each









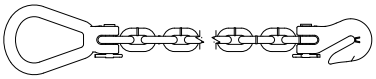
BEAVER "GOLD" DRAG CHAIN KIT

5m of Grade 70 Hi Tensile chain c/w Lug Link & Grab Hook
Zinc Di-chromate (Gold Finish)

Code	Chain Size mm	Chain Length m	Chain Part Number	Grab Hook Part Number	Lug Link Part Number	LC (Kg)	Weight (Kg)	UOM
410007	7.1	5	145007	354008	353008	3000kg	6.33	Each
410008	8	5	145008	354008	353008	3800kg	8.03	Each
410010	10	5	145010	354010	353010	6000kg	12.2	Each
410013	13	5	145013	354013	353013	9000kg	20.78	Each







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* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

NOT APPROVED FOR LIFTING

BEAVER GRADE 70 LASHING CHAIN AND FITTINGS

BEAVER "GOLD" DRAG CHAIN KIT

5m of Grade 70 Hi Tensile chain c/w Lug Link & Slip Hook, Zinc Di-chromate (Gold Finish)

Code	Chain Size mm	Chain Length m	Chain Part Number	Slip Hook Part Number	Lug Link Part Number	LC (Kg)	Weight (Kg)	UOM
411007	7.1	5	145007	356008	353008	3000kg	6.31	Each
411008	8	5	145008	356008	353008	3800kg	8.01	Each
411010	10	5	145010	356010	353010	6000kg	12.3	Each
411013	13	5	145013	356013	353013	9000kg	21.26	Each



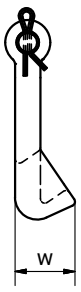


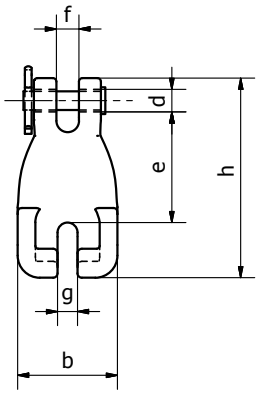


BEAVER CLEVIS CLAW HOOKS

Grade 70 "Gold" Hi Tensile Fittings, Zinc Di-chromate (Gold Finish)
Complies to AS/NZS 4344

Code	Chain Size mm	f mm	d mm	e mm	h mm	g mm	b mm	w mm	LC (Kg)	Weight (Kg)	UOM
352008	7-8	12.5	10.2	40	88	9.5	47	32	3800kg	0.55	Each
352010	10	12.5	12.5	46	103	11.5	55	37.5	6000kg	0.59	Each







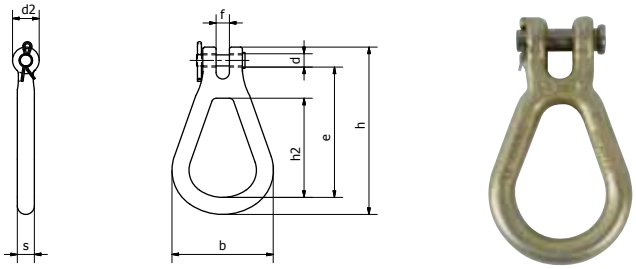
GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

NOT APPROVED FOR LIFTING

BEAVER CLEVIS LUG LINKS

Grade 70 "Gold" Hi Tensile Fittings, Zinc Di-chromate (Gold Finish)
Complies to AS/NZS 4344

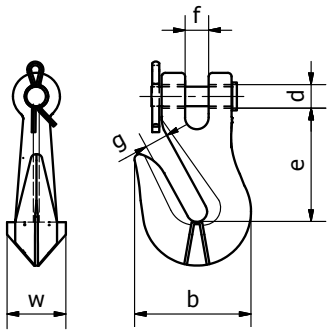
Code	Chain Size mm	f mm	d mm	e mm	h mm	h2 mm	b mm	s mm	d2 mm	LC (Kg)	Weight (Kg)	UOM
353008	7-8	12.5	10	108.5	141.7	78	86.5	16.25	24	3800kg	0.5	Each
353010	10	12.5	12.5	107.25	141.7	78	86.5	16.25	24	6000kg	0.6	Each
353013	13	16.6	16	127.2	169	95.5	100.4	18.6	33	9000kg	1.5	Each



BEAVER CLEVIS GRAB HOOKS* W/- WINGS

Grade 70 "Gold" Hi Tensile Fittings, Zinc Di-chromate (Gold Finish)
Complies to AS/NZS 4344

Code	Chain Size mm	f mm	d mm	e mm	b mm	g mm	w mm	LC (Kg)	Weight (Kg)	UOM
354006	6	9.2	8.5	46.4	49	9.2	22	2300kg	0.24	Each
354008	7-8	10.4	10.5	49	57	10.5	28	3800kg	0.38	Each
354010	10	12.4	12.5	60.5	66.5	13.5	39	6000kg	0.5	Each
354013	13	19.5	16.5	84	88	18	39	9000kg	0.63	Each





GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

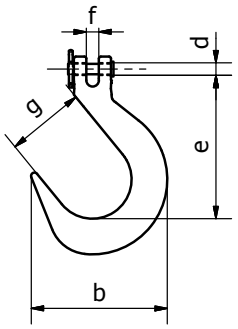
NOT APPROVED FOR LIFTING

BEAVER GRADE 70 LASHING CHAIN AND FITTINGS

BEAVER CLEVIS SLIP HOOKS

Grade 70 "Gold" Hi Tensile Fittings, Zinc Di-chromate (Gold Finish)
Complies to AS/NZS 4344

Code	Chain Size mm	f mm	d mm	e mm	b mm	g mm	LC (Kg)	Weight (Kg)	UOM
356006	6	9	7.8	63	69	19	2300kg	0.22	Each
356008	7-8	11	9.5	69	80	26	3800kg	0.36	Each
356010	10	12	12	79.5	90	33	6000kg	0.6	Each
356013	13	19	16.3	102	121.5	43	9000kg	1.19	Each





BEAVER SILVER ROPE

BEAVER "TRUCKERS" - TRUCKERS SILVER LASHING ROPE TO AS 4142.2

(3 Strand Polyethelene - Ultra-violet treated) Full Cartons Only
Z Twist, Medium Lay - White Coil with Black & Yellow External Tracer

Code	Size mm	Min breaking force kN	Coil Length	Hanks Per Carton
347010HC	10	9.26	10m	10
347010HD	10	9.26	12m	10
347012HD	12	12.4	12m	10



BEAVER GRADE 70 LOADBINDERS

TRANSPORT LOADBINDERS GUIDELINES



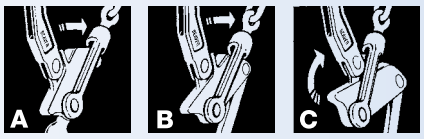
- Avoid injury – operate by hand only from a standing position
- Load binding systems store energy which can release suddenly, causing injury. Stay clear of handle, as it could suddenly release with force
- Routinely inspect loadbinders before using, for wear, bending, cracks and gouges. Do not use the loadbinder if any of the above are present and replace any damaged or defective loadbinders
- Use only the appropriate size and grade of chain with the loadbinder
- Do not use handle extensions (pipes or cheater bars) as they can overload and weaken the entire system
- Make sure loadbinders are tight before moving. Stop and recheck tightness frequently
- Never discard warning instructions. Keep them and share them with others using the loadbinder

BX600

The Safety Release Handle makes this Loadbinder less dangerous than other lever style loadbinders on the market today.

The loadbinder design allows the user to release the loadbinder tension without any recoil of the handle, typical of over centre style loadbinder. The centre body of the loadbinder independently rotates, free of the handle to release the tension smoothly and easily. This reduces the chance of injury from the handle swinging with substantial force when released.

Unique Cam Movement



A — The handle of the BX600 moves freely to the beginning of the release point.

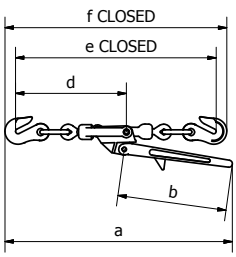
B — The body cam centre begins to rotate independently of the handle at this stage.

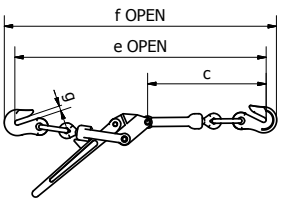
C — As the chain tension is released, the handle will remain almost in the same positon.

BEAVER GRADE 70 SAFETY RELEASE LEVER BX600 TYPE

Recoilless Loadbinders AS/NZS 4344

Code	Chain Size and Description	f Closed mm	e Closed mm	d mm	b mm	a mm	f Open mm	e Open mm	c mm	g mm	LC (Kg)	Weight (Kg)	UOM
344208	7-8mm c/w winged eye grab hooks	555	500	280	320	603	665	610	280	9.5	3800	4.4	Each
344210	10mm c/w winged eye grab hooks	663	595	335	390	703	773	705	335	10.5	6000	6.6	Each





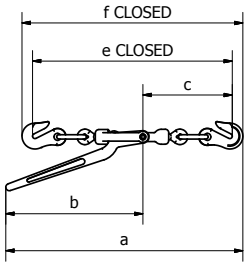


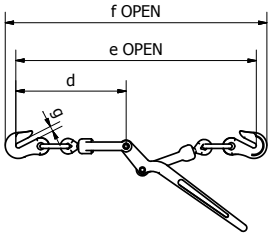
BEAVER GRADE 70 LOADBINDERS

BEAVER GRADE 70 DOUBLE SWIVEL (OVER CENTRE LOADBINDER)

Lever Loadbinders (Forged) AS/NZS 4344

Code	Chain Size and Description	f Closed mm	e Closed mm	d mm	b mm	a mm	f Open mm	e Open mm	c mm	g mm	LC (Kg)	Weight (Kg)	UOM
345006A	6mm c/w winged eye grab hooks*	409	365	215	293	470	484	440	164	6.5	2300	1.68	Each
348000	7-8mm c/w winged eye grab hooks*	558	503	287	383	600	662	607	217	8.5	3800	3.7	Each
348010	10mm c/w winged eye grab hooks*	638	570	325	420	760	758	690	250	10.5	6000	5.7	Each
348013	13mm c/w winged eye grab hooks*	747	661	375	490	819	876	790	285	13.5	9000	10.5	Each



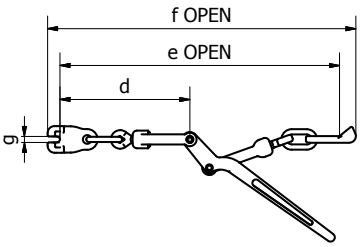


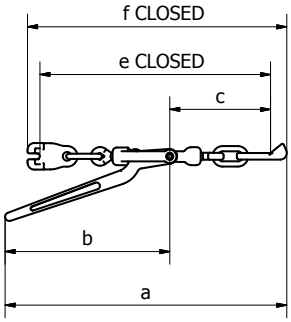


BEAVER GRADE 70 DOUBLE SWIVEL (OVER CENTRE LOADBINDER)

Claw Lever Loadbinders (Forged) AS/NZS 4344

Code	Chain Size and Description	f Closed mm	e Closed mm	d mm	b mm	a mm	f Open mm	e Open mm	c mm	g mm	LC (Kg)	Weight (Kg)	UOM
348000EC	7-8mm c/w eye claw hooks	529	489	280	400	601	633	593	208	8.5	3800	3.9	Each







GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES

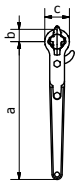
* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

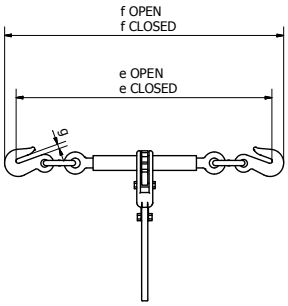
NOT APPROVED FOR LIFTING

BEAVER GRADE 70 RATCHET TYPE LOADBINDERS

Yellow Painted Finish – to AS/NZS 4344

Code	Chain Size and Description	f Closed mm	e Closed mm	g mm	b mm	a mm	f Open mm	e Open mm	c mm	LC (Kg)	Weight (Kg)	UOM
344006	6mm c/w winged eye grab hooks*	459	415	6.5	21	205	572	528	42	2300	1.69	Each
344008	7-8mm c/w winged eye grab hooks*	638	583	8.5	32.5	350	799	744	65	3800	4.7	Each
344010	10mm c/w winged eye grab hooks*	671	603	10.5	32.5	350	836	768	65	6000	5.1	Each
344013	13mm c/w winged eye grab hooks*	776	690	13.5	32.5	350	946	860	65	9000	7.18	Each







GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES

* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

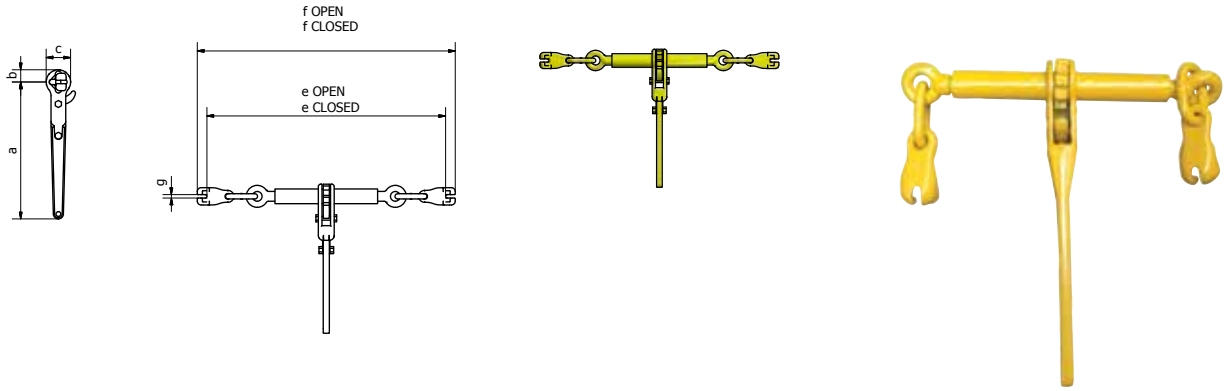
NOT APPROVED FOR LIFTING

BEAVER GRADE 70 LOADBINDERS (CONT'D)

BEAVER GRADE 70 RATCHET TYPE LOADBINDERS C/W EYE CLAW HOOKS

Yellow Painted Finish – to AS/NZS 4344

Code	Chain Size and Description	f Closed mm	e Closed mm	d mm	b mm	a mm	f Open mm	e Open mm	c mm	LC (Kg)	Weight (Kg)	UOM
344108	7-8mm c/w eye claw hooks	667	609	9.5	32.5	355	831	773	65	3800	4.9	Each
344110	10mm c/w eye claw hooks	712	644	11.5	32.5	355	877	809	65	6000	5.3	Each

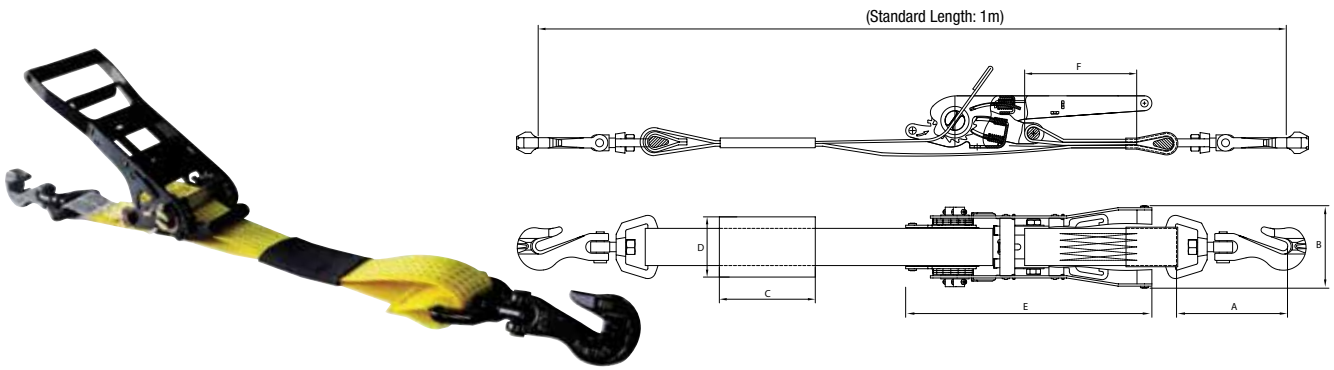


BEAVER GRADE 70 WEB DOG

BEAVER GRADE 70 WEB – DOG

Complies to AS/NZS 4344 and AS/NZS 4380

Code	Chain Size and Description	A mm	B mm	C mm	D mm	E mm	F mm	Length m	LC (Kg)	Weight (Kg)	UOM
348000WF	50mm Ratchet assembly fitted with 8mm grab hooks* & 1m of 50mm heavy duty webbing	150	110	120	75	335	145	1	3800	3.8	Each



GRADE 70 LASHINGS & FITTINGS ARE **NOT APPROVED FOR LIFTING**

* NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS 4344

BEAVER POLYESTER REPLACEMENT STRAPS

BEAVER CARGO WINCH POLYESTER REPLACEMENT STRAPS

c/w 2 x wear sleeves & Hook & keeper (unless otherwise stated) Complies to AS/NZS 4380

Code	Description	LC (Kg)	Hook Type	Width mm	Length Mtr	Weight (Kg)	UOM
342305WF	50mm x 5m Gate Winch Replacement Strap c/w Double "J" Hook	2000kg	J Hook	50	5	0.76	Each
342313	50mm x 9m Winch Replacement Strap	3000kg	Hook & Keeper	50	9	2	Each
342313-12	50mm x 12m Winch Replacement Strap	3000kg	Hook & Keeper	50	12	2.5	Each
CWS075SD09H	75mm x 9m Strap c/w hook & Keeper S/Duty	3500kg	Hook & Keeper	75	9	3	Each



BEAVER RATCHET TIE-DOWN (RTD) POLYESTER REPLACEMENT STRAPS

c/w 2 x wear sleeves & Hook & keeper (unless otherwise stated)
Complies to AS/NZS 4380

Code	Description	LC (Kg)	Hook Type	Width mm	Length Mtr	Weight (Kg)	UOM
342309	50mm x 9m RTD Replacement Strap	2500kg	Hook & Keeper	50	9	2	Each
342312	50mm x 12m RTD Replacement Strap	2500kg	Hook & Keeper	50	12	2.5	Each
349305R	75mm x 9m RTD Replacement Strap	5000kg	Hook & Keeper	75	9	3	Each
349305R-12	75mm x 12m RTD Replacement Strap	5000kg	Hook & Keeper	75	12	3.5	Each





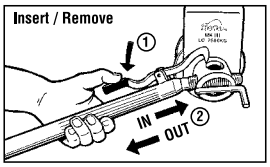
BEAVER WINCH BAR

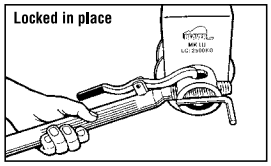
BEAVER TRUCKERS WINCH BAR

c/w Safety trigger and knurled non-slip handle for easy grip (all steel construction and chrome plated) for use with all Mark IV winches

Code	Description	Weight (Kg)	UOM
343400S	winch bar, chrome plated with safety retaining device	2.5	Each







⚠ WARNING

- Never release the winch bar Safety Retaining Device without checking that the ratchet pawl is fully engaged between the ratchet gear teeth.
- Releasing a winch bar without the ratchet pawl being fully engaged can cause serious injury to the user or bystanders.

Safety and Operating Instructions

- "Cheater Bars"(extenders) should not be used with winch bars.
- To prevent the winch bar from slipping out and overloading the tip and / or end cap, the tip of the winch bar shall be inserted through both opposing slotted holes on the winch drum end cap of the Beaver Mark III Truck Winches.

BEAVER TRANSPORT GENERAL

BEAVER CORNER PROTECTOR



Code	Description	Pack Qty	Weight (Kg)	UOM
340000	Corner Protector 140 x 140 x 1040mm	1	2	Each
340010	Corner Protector 85 x 85 x 300mm	10	0.022	Each

BEAVER EPM RUBBER TIE DOWNS FOR TARPS



Code	Strap Length Inch	Max. Safe Stretch Inch	Qty Per Bag	Weight Each (Kg)	UOM	Bags Per Carton
340721	21	32	10	0.12	Each	10
340731	31	46	5	0.16	Each	20

BEAVER PRODUCTS

BEAVER ROVAL TRUCK WHEEL WRENCHES

Code	Description	Weight Each (Kg)	UOM
TWB032	32mm x 17mm x 300mm	2.375	Each
TWB035	35mm x 17mm x 300mm	2.375	Each
TWB038	38mm x 21mm x 395mm	3.667	Each
TWB041	41mm x 21mm x 395mm	4.000	Each
TWB041A	41mm x 19mm x 395mm	3.833	Each
TWB114A	11/4" x 11/16" x 395mm	3.500	Each
TWB118	11/8" x 15/16" x 395mm	3.500	Each
TWB516	15/16" x 21mm x 395mm	3.500	Each
TWB516A	15/16" x 11/4" x 395mm	3.500	Each
BARTWW040	400mm Wrench Bar Only	0.920	Each
BARTWW050	500mm Wrench Bar Only	1.917	Each

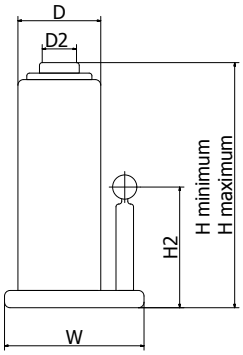


BEAVER JACK SERIES

BEAVER JAX BLACK SERIES

Complies to AS/NZS 2693

Code	Description	Capacity Tonnes	D mm	D2 mm	H2 mm	W mm	Screw Adjusting Height mm	Lift Height mm	Minimum Height H mm	Maximum Height H mm	Weight kg	UOM
Jax004	Bottle Jack	4	70	32	79	100	70	140	210	420	4.02	Each
Jax006	Bottle Jack	6	70	29	81	109	80	155	230	465	4.96	Each
Jax008	Bottle Jack	8	85	40	83	135	80	155	235	465	6.7	Each
Jax010	Bottle Jack	10	95	43	84	148	80	155	240	470	7.2	Each
Jax015	Bottle Jack	15	102	45	85	158	55	160	245	460	10.44	Each
Jax020	Bottle Jack	20	114	54	86	165	90	192	278	560	16.4	Each



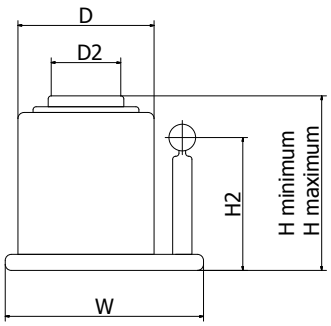


BEAVER JACK SERIES

BEAVER JAX SQUAT SERIES

Complies to AS/NZS 2693 – Designed for use where 12 – 20 tonne lift is required, but ground clearance does not exceed 195mm

Code	Description	Capacity Tonnes	D mm	D2 mm	H2 mm	W mm	Screw Adjusting Height mm	Lift Height mm	Minimum Height H mm	Maximum Height H mm	Weight kg	UOM
BJS012	Squat Bottle Jack	12	95	43	84	136	65	105	191	361	7.6	Each
BJS020	Squat Bottle Jack	20	114	45	92	166	72	113	191	376	11.3	Each

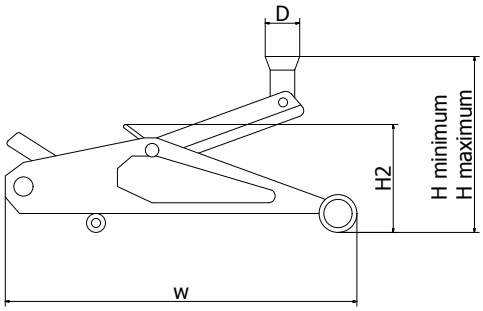




BEAVER ROVAL TROLLEY JACK

Complies to AS/NZS 2615 - D.I.Y. Home Mechanic

Code	Description	Capacity Tonnes	D mm	H2 mm	W mm	Wheelbase Length mm	Minimum Height H minimum mm	Maximum Height H maximum mm	Nett Weight (Kg)	UOM
TJK014	Trolley Jack	1.4	50	132	492	410	130	350	11	Each

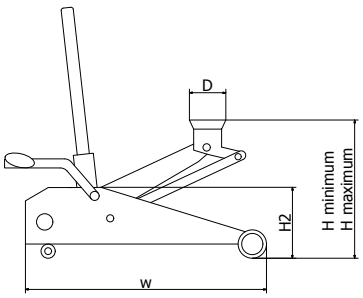




BEAVER ROVAL TROLLEY JACK GARAGE

Complies to AS/NZS 2615 With quick lift pedal

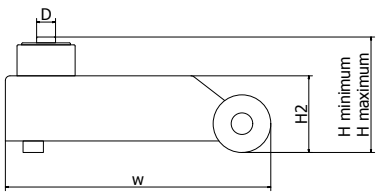
Code	Description	Capacity Tonnes	D mm	H2 mm	W mm	Wheelbase Length mm	Minimum Height H minimum mm	Maximum Height H maximum mm	Nett Weight (Kg)	UOM
GJK022	Trolley Jack w/- quick lift pedal	2.25	120	155	685	520	145	490	39.5	Each





BEAVER ROVAL AIR / HYDRAULIC TROLLEY JACK

Code		Description	Capacity Tonnes	D mm	H2 mm	W mm	Minimum Height H minimum mm	Maximum Height H maximum mm	Nett Weight (Kg)	UOM
GJK200	TQ22001	Air/Hydraulic Trolley Jack	20	280	360	660	265	510	46	Each



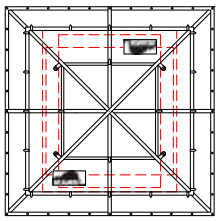


BEAVER SAFETY CARGO NET

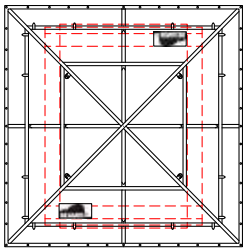
- Beaver's Safety Cargo Net is easily connected to an AS/NZS 4380 compliant load restraint system with the addition of the simple RTD kit nominated
- Beaver's Safety Cargo Net is load tested to 1000kg
- All states in Australia have regulations for covering loads with penalties being enforced

NOTE: NETTING SYSTEMS ALONE ARE NOT COMPLIANT WITH AS/NZS 4380

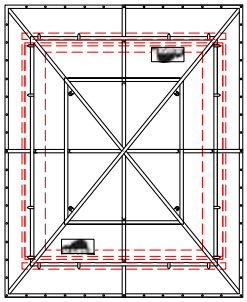
SIZES & APPLICATIONS			APPLICATIONS		
CODE	SIZE	NET SIZE SIZES MM	TRAILERS SIZES MM	CABS / UTES SIZES MM	MID SIZE TRUCK SIZES MM
NETSYS1	SMALL	2460 x 2460	1200 x 1800	1500 x 1500 1580 x 1900	-
NETSYS2	MEDIUM	2800 x 2840	1500 x 2400	1850 x 1880 1850 x 2180	2330 x 1850 2400 x 2330
NETSYS3	LARGE	2800 x 3440	-	-	2480 x 2330 2400 x 2550 2400 x 2630 2400 x 2780



SMALL



MEDIUM



LARGE







SECTION 11 / BLACK RAT 4WD

CONTENTS

BLACK RAT – NYLON RECOVERY STRAPS
BLACK RAT – TREE TRUNK PROTECTORS
BLACK RAT – SAFETY RECOVERY KIT
BLACK RAT – SPARE BAGS
BLACK RAT – WIRE ROPE WINCH
BLACK RAT – CABLE PULLER
BLACK RAT – OFF ROAD BLOCK
BLACK RAT – RECOVERY SHOVEL
BLACK RAT – EQUALISING STRAPS
BLACK RAT – BOW SHACKLES
BLACK RAT – WEB SNATCH BLOCK
BLACK RAT – TOWING HOOK ASSEMBLY
BLACK RAT – TOWING KIT
BLACK RAT – RATCHET ASSEMBLY
BLACK RAT – GRADE 70 DRAG CHAIN
BLACK RAT – GRUNT 12V AIR COMPRESSOR



Recreational 4 wheel driving should be challenging and enjoyable. For the professional, it can be a necessity to get across some wild and difficult terrain, so when you get into a jam you need to know that you have the right equipment to get out of it safely, efficiently and that your gear will stand up to the harshest of environments.

The Black Rat range of products, with ease of functionality and application in mind has the solution for all situations involving unpredictable terrain.



BLACK RAT 4WD ACCESSORIES

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

Specifically designed to recover your vehicle when bogged. This heavy duty nylon strap is 9 metres long x 60mm wide complete with reinforced eyes. It has a 20% stretch factor for ease of vehicle recovery with a minimum breaking strain "MBS" of 9,000 kgs, also available "MBS" 12,000kgs.

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 WLL & Carry Bag.	9000	4.2	Each	1
342322BHK	Each Kit contains, 9m x 75mm Heavy Duty Snatch Strap w/- red overload indicator fibre, Leather Safety Gloves, 2 Bow Shackles 16 x 22mm 4.7t WLL & Carry Bag.	12000	4.4	Each	1



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

c/w Red overload indicator fibres

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
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 TREE TRUNK PROTECTOR STRAP WITH CARRY BAG

Black Rat Tree Trunk Protectors are designed for tying off or anchoring a vehicle to a tree. It is used when attempting to reverse, steer up or pull out of an awkward position. The 3 metres long x 75mm wide polyester webbing has a minimum breaking strain "MBS" of 12,000 kgs.

Code	Description	MBS (Kg)	Weight (Kg)	UOM	Pack Qty
342312B	3m x 75mm Tree Trunk Protector	12000	1.5	Each	8



BLACK RAT 4WD POLYESTER WINCH EXTENSION STRAPS

Black Rat Extension Straps are designed for extending winch cable when the cable is too short. They are made from 50mm black polyester webbing and have a minimum breaking strain "MBS" of 4,000 kgs. They have yellow reinforced eyes, protection at both ends and are available in 10, 20 & 30 metre lengths.

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 KIT

Code	Description	Weight (Kg)	UOM	Pack Qty
342350BK	4WD Safety Recovery Kit	11.6	Each	1

THE KIT CONTAINS:

- 1 x 4WD recovery bag
- 1 x 9 metre x 60mm heavy duty snatch strap
- 1 x Heavy duty off road block to suit 11 mm maximum wire rope
- 1 x 3 metre x 75mm tree truck protector with 12,000kgs MBS
- 1 x 5 metre x 25mm heavy duty ratchet tie down assembly LC 500 kg
- 1 x 16 x 19mm screw pin bow grade S shackle, WLL 3.2T
- 1 x 19 x 22mm screw pin bow grade S shackle, WLL 4.7T
- 1 x Open mesh drying bag
- 1 x Pair of riggers leather gloves



BLACK RAT 4WD OPEN WEAVE MESH DRYING BAG

Code	Description	Weight (Kg)	UOM	Pack Qty
342351B	4WD Open Weave Mesh Drying Bag	0.3	Each	12



BLACK RAT 4WD SAFETY RECOVERY BAG

Code	Description	Weight (Kg)	UOM	Pack Qty
342350B	4WD Safety Recovery Bag	0.9	Each	25



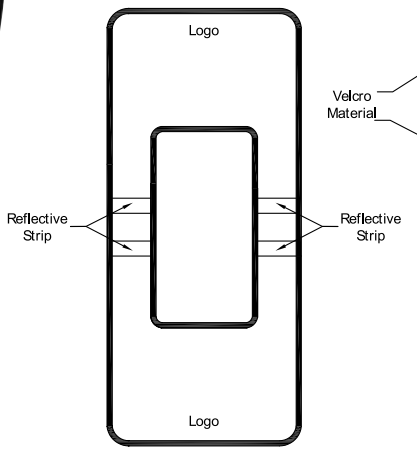
BLACK RAT 4WD RECOVERY DAMPER

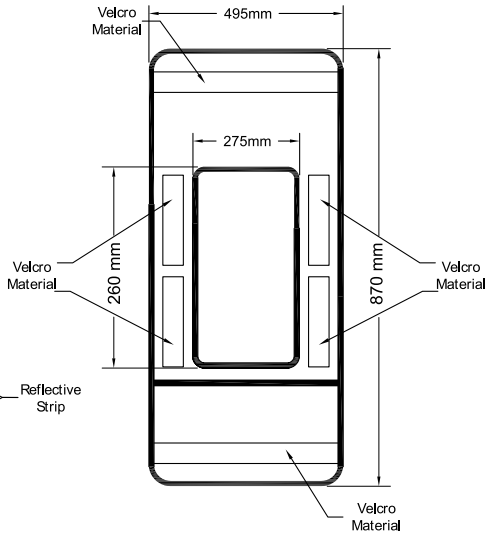
Black Rat Recovery Damper is an essential item for any four wheel drive enthusiast that plans to use a cable and straps during recovery. The recovery damper is designed to absorb the energy from a cable or strap in the event of a failure. Thus reducing recoil and further preventing the likelihood of harm or damage to equipment. Long internal velcro strips reduce slipping.

Code	Description	Weight (Kg)	Dimensions mm (folded)	UOM	Pack Qty
340074RD	4WD Safety Recovery Damper - Yellow w/ reflective tape	1.0	500 x 440	Each	1









BLACK RAT 4WD ACCESSORIES

BLACK RAT 4WD 2 TONNE CABLE PULLER

This lightweight multi-purpose wire rope puller is a great asset when off road. It has all steel construction with drop forged hooks and comes complete with safety latches. One hook has a built-in sheave block for ease of recovery. It comes with 1.5 metres of 5mm galvanised wire rope with a 2 tonne pulling capacity.



Code	Description	Weight (Kg)	UOM	Pack Qty
341002B	2 TONNE Cable Puller c/w 1.5m Wire Rope	3.8	Each	4

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

Specially designed for off-road use, a robust sheave block that has two heavy duty steel cover plates, zinc passivated (gold) finish that allows for an easy insertion of wire rope on to the sheaves. Sheaves are made from high grade cast iron which are precision machine grooved to accept wire rope to a maximum of 11mm. The off-road block comes complete with a pressure grease lubrication bearing on one side and an "R" type retaining pin, packed in a vinyl storage pouch. Minimum breaking strain "MBS" of 8,000 kgs.



Code	Description	Wire Rope (mm)	Weight (Kg)	UOM	Pack Qty
514125B	Off Road Block with Carry bag, MBS 8,000kg	11	3.8	Each	1

BLACK RAT 4WD RECOVERY FOLDING SHOVEL WITH HANDY CARRY POUCH

This compact, light weight shovel is made from steel for durability with a serrated blade for tough jobs. It also has a knurled collar to easily secure the blades in position. It comes with a carry pouch and measures 425mm x 152mm in folded position.



Code	Description	Weight (Kg)	UOM	Pack Qty
519507BP	Folding Shovel c/w Carry Pouch	1.1	Each	20



BLACK RAT 4WD ACCESSORIES

To be used on both front recovery points of the vehicle to equalise the forces on the chassis when the use of a snatch strap or winch is required.

BLACK RAT 4WD POLYESTER EQUALISING STRAPS

Code	Description	MBS (Kg)	Weight (Kg)	UOM	Pack Qty
519503B	4m x 50mm Equalising Straps c/w G80 Eye Sling Hooks & Latches each end	4000	1.3	Each	1



When you need to ensure reliability, use only AS 2741 Grade 'S' 4WD Bow Shackles. These shackles are individually tested and stamped with the working load limit for safety & conform to Australian Standards AS 2741. Common sizes are 16 x 19mm (WLL 3.2 tonne) and 19 x 22mm (WLL 4.7 tonne). Other sizes are available. Full spec sheet available.

BLACK RAT 4WD RATED BOW SHACKLES (BOXED)

Code	Description	WLL (tonnes)	Weight (Kg)	UOM	Pack Qty
342216BK	16 x 19mm 3.2t	3.2	0.65	Each	2
342219BK	19 x 22mm 4.7t	4.7	1.115	Each	1

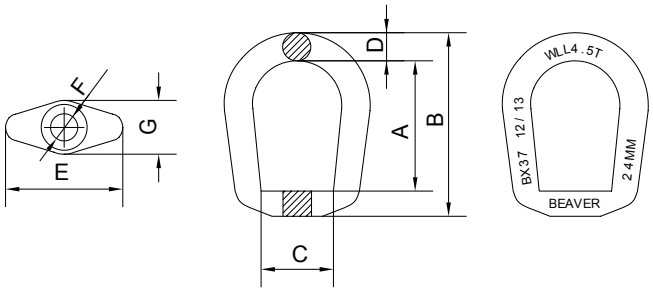


BLACK RAT EYE NUT WITH METRIC THREAD

Self Colour Finish, Conforms to AS 2317

Code	Size mm	Finish	A	B	C	D	E	F	G	WLL (tonnes)	Weight (Kg)	UOM
360024	24	Self Colour	77	126	47.5	22	89	24	53	4.5	1.47	Each





BLACK RAT 4WD TOWING ASSEMBLY

This handy accessory on your vehicle allows for easy coupling of recovery equipment. These hooks are manufactured from forged steel and come in a black or chrome finish with nuts, bolts and plate to suit standard tow bars.
Rated to 4,545 kg MBS.



Code	Description	Weight (Kg)	UOM	Pack Qty
519501B	Towing Hook Assembly (BLACK) MBS 4,545kg	1.015	Each	6

BLACK RAT 4WD WEB SNATCH BLOCK

Thoroughly inspected and tested in accordance with AS 2089. Solid all steel construction with roller bearings for easy movement. Each Web Snatch Block has a special side design for easy web assembly and fully machined sheave. All Beaver Web Snatch Blocks have an individual test serial number stamped on the identification plate. Minimum breaking strain "MBS" of 3,000kgs.



Code	Description	Sheave Dia. (mm)	Weight (Kg)	WLL (Kg)	Web Dia. (mm)	UOM	Pack Qty
557075	750kg Hook Type Web Snatch Block	60	2.68	750	50-56	Each	1

BLACK RAT 4WD ACCESSORIES

BLACK RAT 4WD TOWING KIT

With safety and ease of handling in mind, Black Rat have produced a 4 metre polyester (snatch-em) towing strap that has built-in, an elasticised retention cord which incorporates the safety technology of polyester load bearing fibres that are traditionally incorporated in round sling manufacture and comes complete with black reinforced eye protection at each end. In the event of the strap being pulled to its breaking strain, the inner load bearing fibres will bunch up and not spring back, therefore eliminating the sling shot effect that would normally occur in a nylon snatch-em strap. It has the advantages of having a 30% stretch factor of its original length, which enables the user to slowly pull/move a vehicle out of a problem situation. It has a minimum breaking strain "MBS" of 12,000 kgs. Supplied in vinyl carry bag.

Code	Description	MBS (Kg)	Weight (Kg)	UOM	Pack Qty
342309BK	4m Towing Kit c/w Carry Bag	12000	3.5	Each	1



BLACK RAT 4WD ACCESSORIES

GRUNT 12V AIR COMPRESSOR

Code	Description	Max. Duty Cycle	Power Supply DC	Max Pressure PSI	Current Amps	Air Flow L/Min	Cord with Battery Clips	PU Hose mtr	Weight (Kg)	UOM	Pack Carton
GC400	12V Air Compressor- Max 85 litres/ min. Twin Cylinder	40 min @ 40psi 24°C	12V	150	30	84	2.4	5	4.5	Each	4





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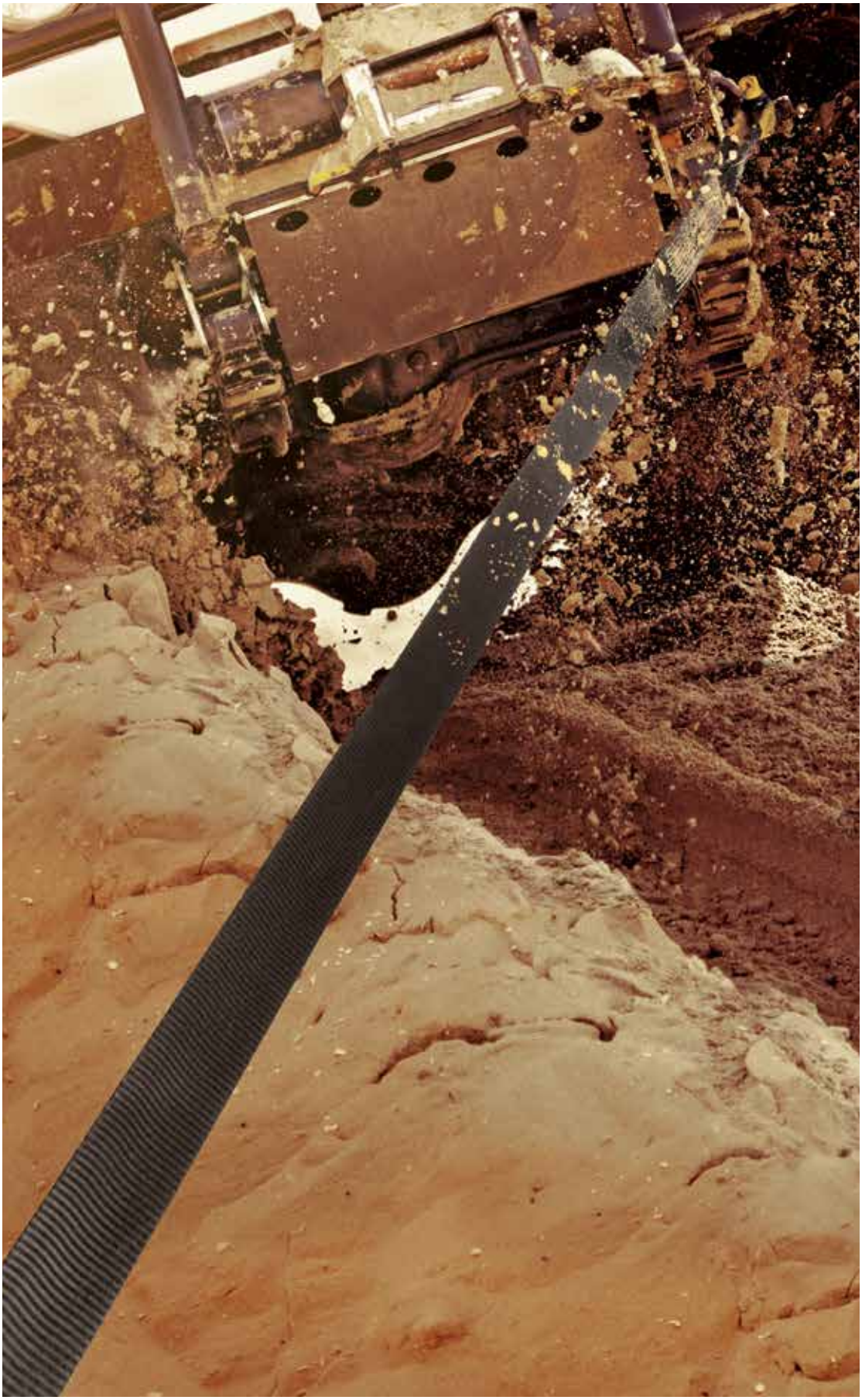
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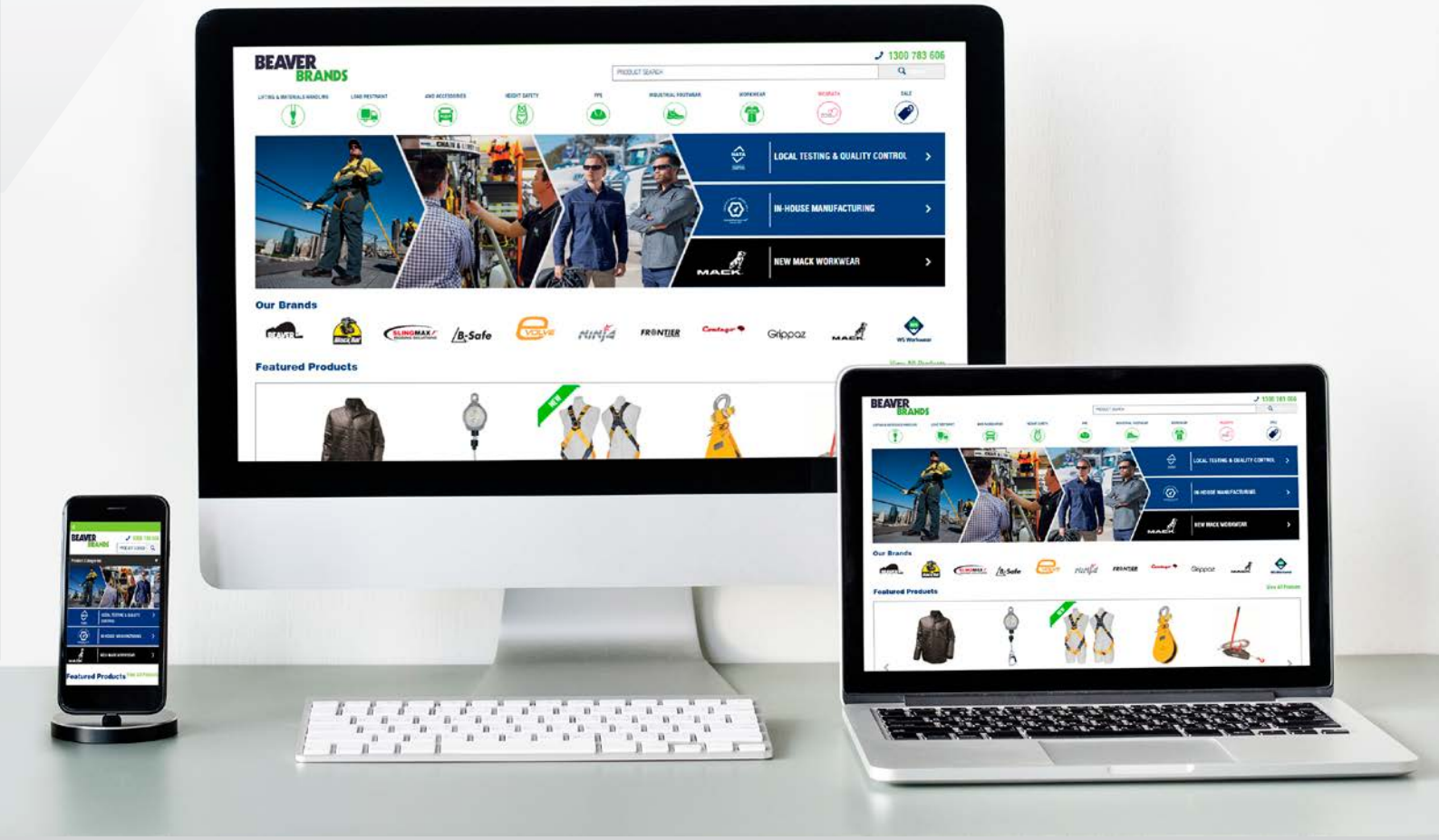
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