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# 3 Synthetic Flat & Round Slings

2014 edition

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# Synthetic Flat & Round Slings



# 3

Synthetic Slings can be used for a variety of lifting and towing applications and have many advantages over lifting chain, including low weight and ease of handling.

Robertsons' stocks a diverse range of flat, round and Twin-Path slings with custom lengths available on request.

Each sling is individually proof tested to Australian Standards and supplied with a Test Certificate.

Capacities range from 0.5 tonne to 600 tonnes.

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## Types of Slings

### Twin-Path Slings

Our unique Twin-Path licensed and patented sling range is made to order and used for heavy lifts up to 600 tonnes. 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 Sling is renowned as the market leader in ergonomic design and can be repaired in most instances.

### Webbing Slings

Synthetic webbing slings are high strength, low weight and easy to handle. In lifting applications they stretch less than rope slings but still absorb shock load extremely well.

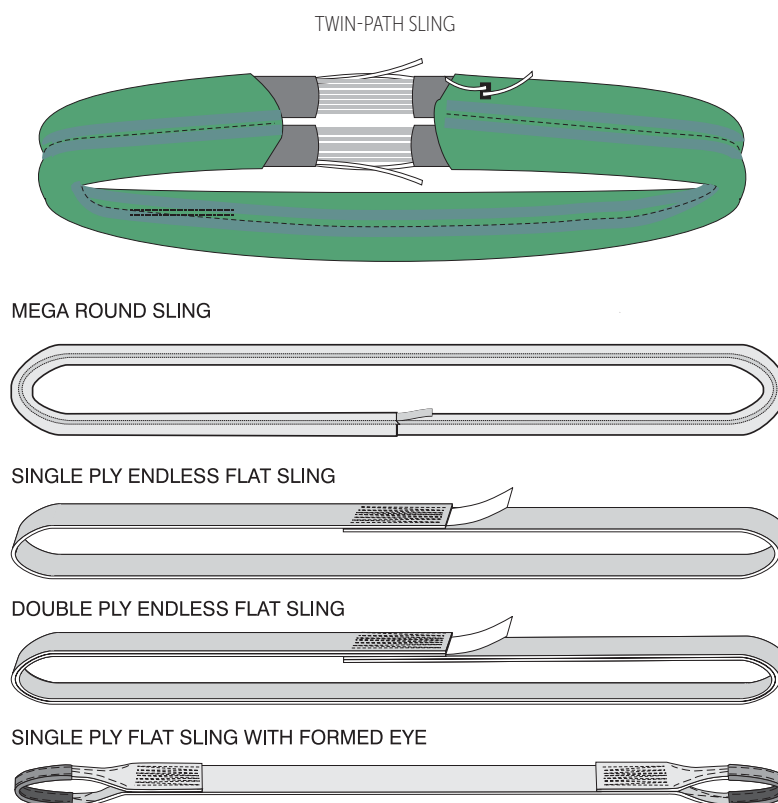
The two most commonly used synthetic webbing slings used for lifting in Australia are "Flat" and "Round" Slings. (Shown below are examples of these two types of slings). Both types combine dimensional stability with great flexibility and shape instantly to the load cradling it with balance and security. They are very suitable for handling highly polished surfaces without damage, and are colour coded to conform to Australian Standards AS4497 and AS1353.

### Endless Slings

Endless Slings are made in both flat and round configurations and comply with the relevant Australian Standards.

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.

Endless Flat Slings are manufactured from woven synthetic-fibre webbing and sewn together to form an endless sling. The Endless Flat Slings come in both single and double ply configurations.



# Types of Slings

## Polyester Round Slings & Flat Webbing Slings – W.L.L.'s



ROUND SLINGS Code		FLAT SLINGS Code		ROUND SLINGS Comply to AS4497.1		FLAT SLINGS Comply to AS1353.1		L - LOAD FACTOR		L - LOAD FACTOR	
				Vertical WLL (t)	Choke SWL (t)	Basket SWL (t)	60° SWL (t)	90° SWL (t)	120° SWL (t)	60° SWL (t)	60° Choke SWL (t)
				L - 1.0	L - 0.8	L - 2.0	L - 1.7	L - 1.4	L - 1.0	L - 1.7	L - 1.38
Colour Code	WLL (t)	Vertical WLL (t)	Choke SWL (t)	Basket SWL (t)	60° SWL (t)	90° SWL (t)	120° SWL (t)	60° SWL (t)	60° Choke SWL (t)		
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 AS4497 and AS1353 for use and inspection guidelines.
2. Never overload the equipment.
3. Do not use if ID tag is removed.
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.

# Flat Slings

## 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 weight and flexible. The Beaver Flat Sling is 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 lifting.

- › Manufactured to AS 1353
- › All Flat Slings are supplied with a Test Certificate.

## Double Ply Flat Slings to AS 1353

W.L.L. 1000kg x metres

Code	WLL (kg)	Length (m)	Width (mm)	Colour	UOM	Pack Qty
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
FS-2-1000X10	1000	10	50	Violet	Each	8

Note: Other lengths available by special order.





## Flat Slings

### Double Ply Flat Slings To AS 1353

W.L.L. 2000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.

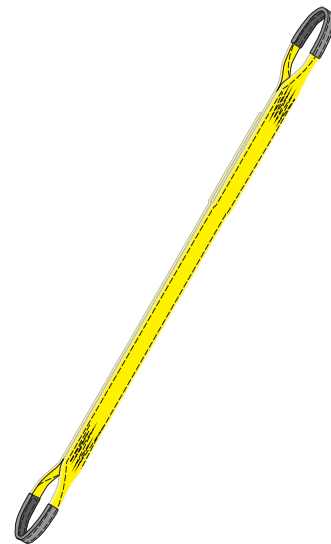


### Double Ply Flat Slings To AS 1353

W.L.L. 3000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



## Flat Slings

### Double Ply Flat Slings To AS 1353

W.L.L. 4000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



### Double Ply Flat Slings To AS 1353

W.L.L. 5000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



## Endless Flat Slings

### Double Ply Flat Slings To AS 1353

W.L.L. 6000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



### Double Ply Flat Slings To AS 1353

W.L.L. 8000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.





# Round Slings

## Round Slings



Round slings are an all-purpose lifting sling enabling a strong and non-damaging lift of a load. They are extremely light weight and flexible in multiple directions, allowing easy and quick manipulation even when fragile loads are being lifted. Round slings are a continuous loop made from polyester yarn encased in a sleeve of polyester or nylon fabric. The sleeve is constructed, so that 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 lifting.

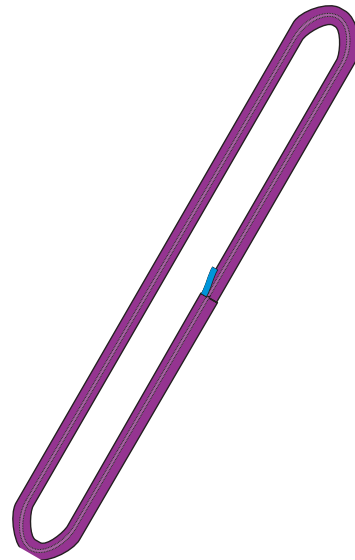
- › Manufactured to AS 1353
- › All Round Slings are supplied with a Test Certificate.

## Mega Round Slings To AS4497

W.L.L. 1000kg x metres

Code	WLL (kg)	Length (m)	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
MRS1000X10	1000	10	47	Violet	Each	8

Note: Other lengths available by special order.



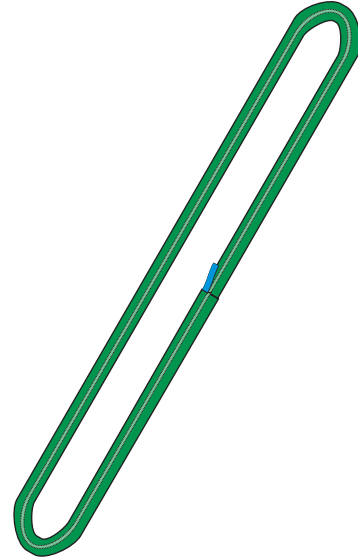


## Mega Round Slings To AS4497

W.L.L. 2000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.

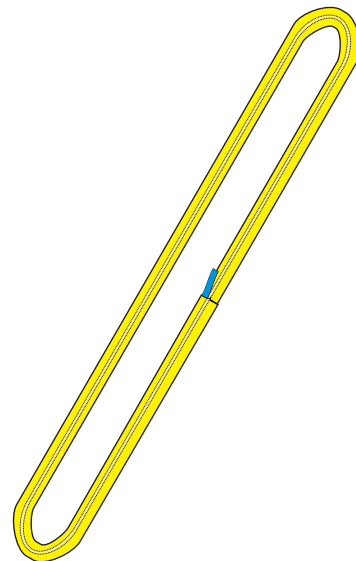


## Mega Round Slings To AS4497

W.L.L. 3000kg x metres

Code	WLL (kg)	Length (m)	Width (mm)	Colour	UOM	Pack Qty
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

Note: Other lengths available by special order.



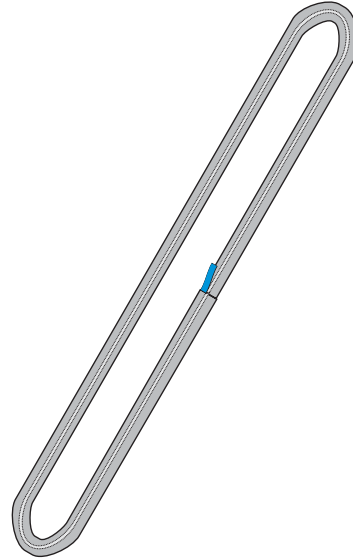
## Round Slings

### Mega Round Slings To AS4497

W.L.L. 4000kg x metres

Code	WLL (kg)	Length (m)	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
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

Note: Other lengths available by special order.

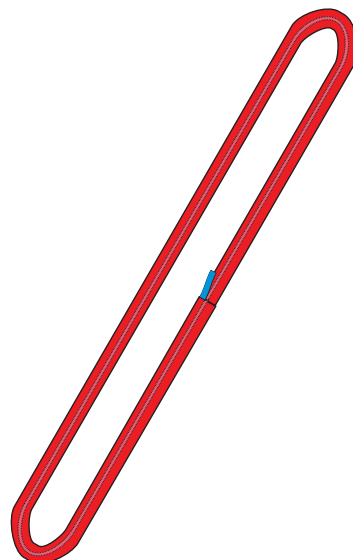


### Mega Round Slings To AS4497

W.L.L. 5000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



## Round Slings

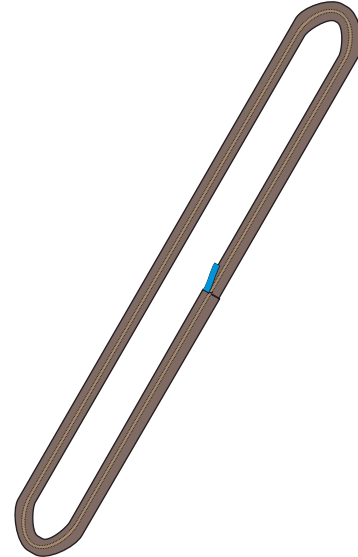


### Mega Round Slings To AS4497

W.L.L. 6000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.

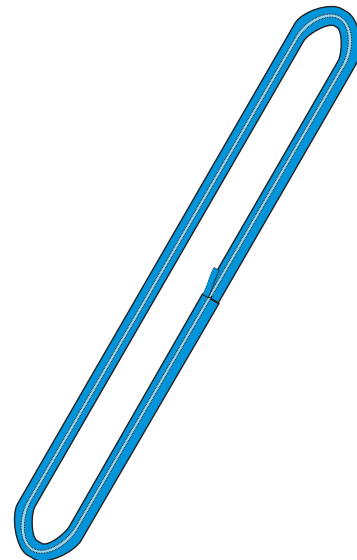


### Mega Round Slings To AS4497

W.L.L. 8000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.



# Round Slings

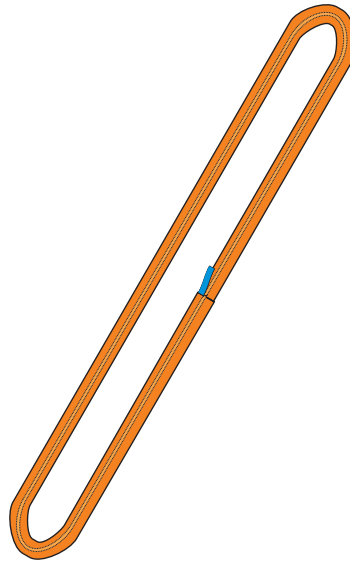
## Mega Round Slings To AS4497

W.L.L. 10000kg x metres



Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.

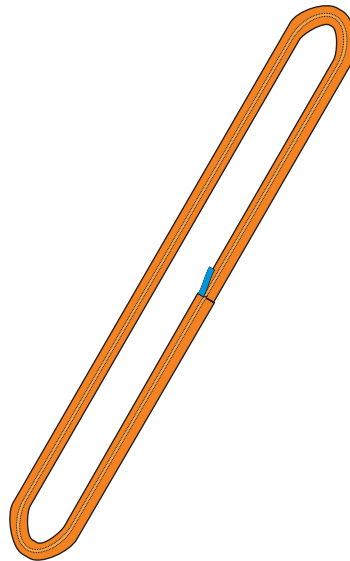


## Jumbo Round Slings To AS4497

W.L.L. 15000kg x metres

Code	WLL (kg)	Length (m)	Width (mm)	Colour	UOM	Pack Qty
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

Note: Other lengths available by special order.



## Round Slings

### Jumbo Round Slings To AS4497

W.L.L. 20000kg x metres

Code	WLL (kg)	Length (m)	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

Note: Other lengths available by special order.

### Jumbo Round Slings To AS4497

W.L.L. 30000kg x metres

Code	WLL (kg)	Length (m)	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

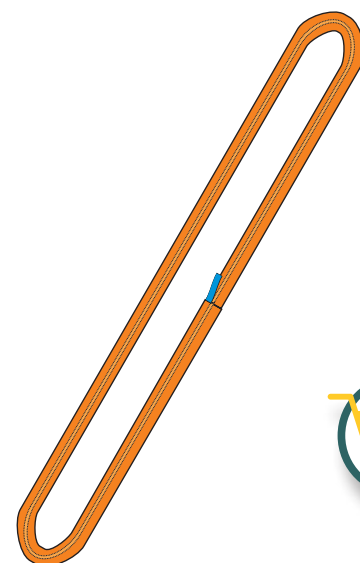
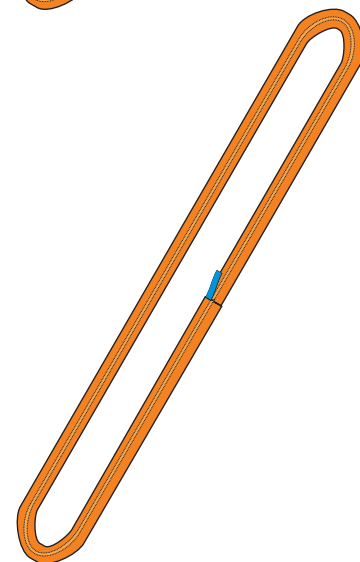
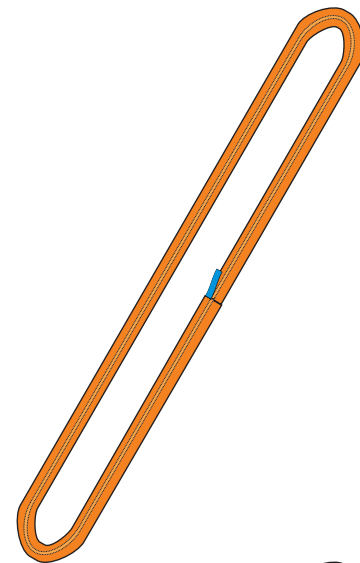
Note: Other lengths available by special order.

### Jumbo Round Slings To AS4497

W.L.L. 50000kg x metres

Code	WLL (kg)	Length (m)	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
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

Note: Other lengths available by special order.





# Protective Sleevings

## Protective Sleevings – Webbing

Code	Suit Diameter Sling (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	



## Protective Sleevings – Herring Bone

Code	Suit Diameter Sling (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	



## Protective Sleevings – Leather

Code	Suit Diameter Sling (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	



## Protective Sleevings – PVC

Code	Suit Diameter Sling (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	



# Boat Lifting Slings & Lifting Nets



## Boat Lifting Slings

Boat lifting slings are used with travel lift cranes for a wide load bearing lifting surface to minimize damage to hulls etc. The slings are available in lengths from 2 metres in 3 finger and 4 finger configurations.

- › Chine pads are available for protection from extrusions and keels.
- › A range of salt water resistant polyurethane protective sleeves are also available on request.
- › The slings are generally supplied in two parts with finger joints near the middle for convenient rigging practices.

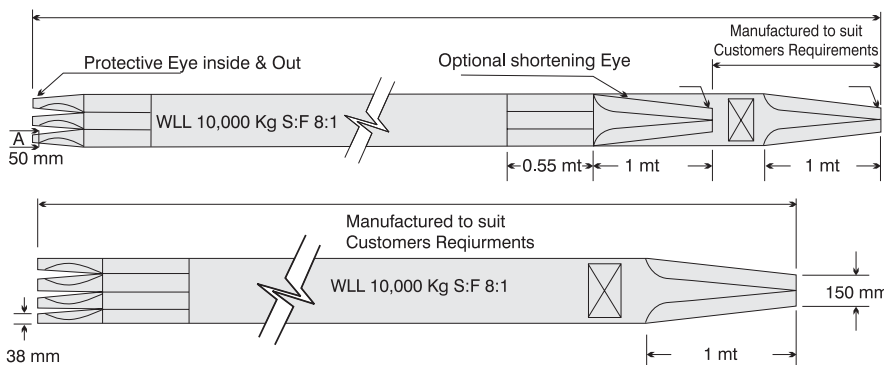
Note: All Boat Lifting Slings are supplied with a Test Certificate.

W.L.L. 20,000kg x metres

Code	Number of Fingers	Sling Length (m)	WLL Vertical Sling (kg)	Basket Sling (kg)
545320F	3	2	10,000	20,000
545330F	3	3	10,000	20,000
545340F	3	4	10,000	20,000
545350F	3	5	10,000	20,000
545360F	3	6	10,000	20,000
545370F	3	7	10,000	20,000
545380F	3	8	10,000	20,000
545420F	4	2	10,000	20,000
545430F	4	3	10,000	20,000
545440F	4	4	10,000	20,000
545450F	4	5	10,000	20,000
545460F	4	6	10,000	20,000
545470F	4	7	10,000	20,000
545480F	4	8	10,000	20,000



NB: Joining Pin Assemblies Not Supplied. Note: Custom lengths also available by special order

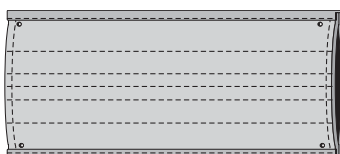


### Optional Shortening Eye

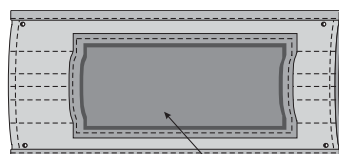
Code	Eye Length	Length (m)
545308F	1	1.5

### Chine & Keel Pads

Standard Chine Pad



Standard Keel Pad with Lead Insert



Sheet Lead Inserts (one side only) 10 Kg Total

Note: Please specify length of pads required when ordering.



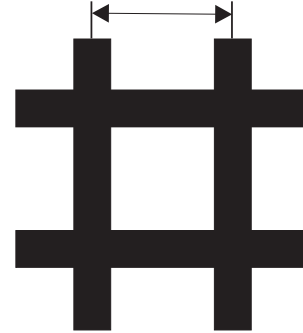
# Boat Lifting Slings & Lifting Nets

## Lifting Nets



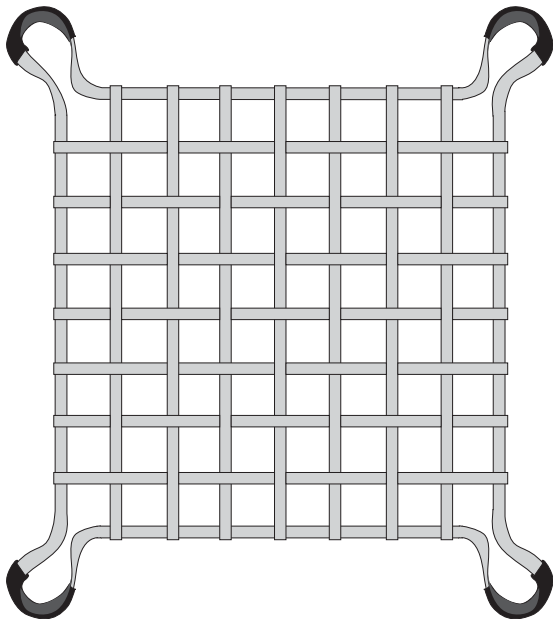
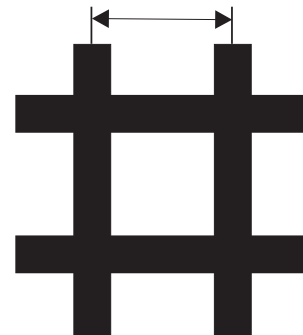
Pocket Pitch 125mm Centre to Centre

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



Pocket Pitch 200mm Centre to Centre

Code	WLL (kg)	Pocket Pitch (mm)
BSX5500202	5,000	200
BSX5500303	5,000	200
BSX5500404	5,000	200
BSX5500505	5,000	200
BSX5500606	5,000	200



## Twin-Path Heavy Lift Slings



# Twin-Path Heavy Lift Slings

## Twin-Path Slings

Capacities: 5 tonne to 600 tonne

### Features

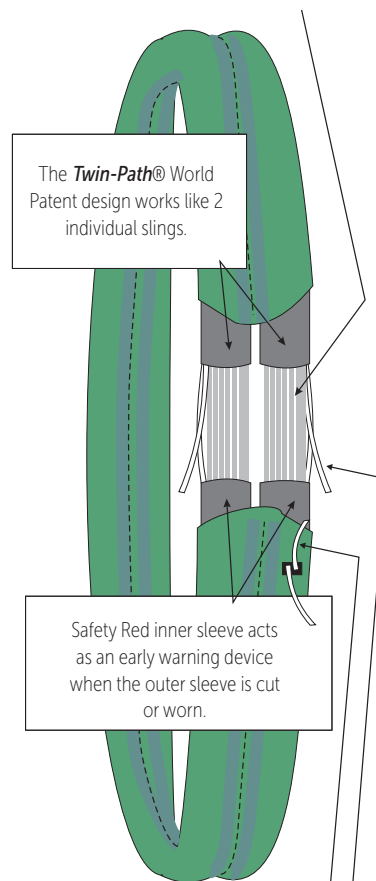
- › **Twin-Path Patent Design:**  
Constructed using two independent paths each capable of carrying the rated working load limit.
- › **Low Stretch:** 1% elongation at WLL.
- › **Chemical Environments:** Safe to use in chemical environments.
- › **Tell-Tails Patent Safety Device:**  
Allows for continual monitoring of overload solutions. An extension of the core fibre is used and if constantly overloaded the Tell-Tail will retract and warn the operator.
- › **Optic Fibres:** The optic fibre system can alert you to heat exposure, cutting and chemical damage of the core fibre.
- › **Check Fast:** Immediate and highly visible indication of extreme overload before the sling fails.
- › **Weight Advantage:** 80% lighter than wire rope and chain slings and 50% lighter than polyester slings.
- › **Control of Slings:** Rigging becomes easier due to the low weight.

- › **Marine Applications:** Does not absorb moisture and is naturally buoyant.
- › **Storage retrieval and salvage:** Easily rolled up and shelved after use. Transportable and can easily be tossed in the back of a car or van.
- › **Wear Resistant Outer Cover:** The fabric is four times more abrasive resistant than common Nylon or Polyester.
- › **Repairable:** When the safety Red Inner Sleeve is visible due to abrasion or a cut in the outer sleeve, the Twin-Path slings can cost effectively be repaired and re-tested by the manufacturer.
- › **Reduced Rigging Times:** Actual rigging can be reduced by as much as 80%.

**Note:** Twin-Path Slings are also available in 'Sparkeater' Fire Resistant versions, for use in workshops where a load needs to be welded while suspended (up to 148 degrees Celcius).

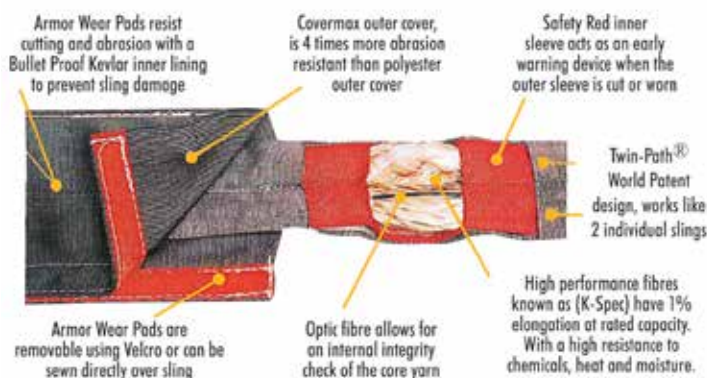


The high performance fibres known as (K-Spec) have 1% elongation at rated capacity. With a high resistance to chemicals, heat and moisture.



The optical fibres allow 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. Remove from service if Tell-Tails are not visible.





# Twin-Path Technical Specifications

## Twin-Path Chart 7:1 - Lifting



Product Code	Vertical WLL (kg)	Choke WLL (kg)	Basket WLL (kg)	60 Deg WLL	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
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

Note: To obtain the MBS (Minimum Breaking Strength) for towing multiply the WLL by 5. Example: TPXC5 = WLL 5000kg x 5 = 25,000kg



# Twin-Path Technical Specifications



## Twin-Path Chart 5:1 - Towing

Product 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

Product 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





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