



# Rope and Sling Specialists Ltd



Rope and Sling Specialists are fully accredited.

Our Accreditation and Policy documents are available for viewing and download on our website at [www.ropeandsling.co.uk](http://www.ropeandsling.co.uk)





*It is a pleasure to welcome existing and prospective customers to the Rope and Sling Specialists Ltd (RSS) product catalogue.*

*This easy-to-read publication introduces you to lifting, rigging and below-the-hook equipment from one of the largest independent companies in the field of lifting equipment engineering in the UK. The catalogue also covers tracking, moving, working-at-height, inspection and other services that complete our unrivalled portfolio.*

*Here at RSS, we are dedicated to providing industry with a complete service covering:*

- The manufacture, supply and hire of quality lifting equipment;*
- Service and repair of all types of lifting equipment;*
- Proof load testing and thorough examination to meet statutory requirements.*

*Our fully trained staff have many years of experience in providing mechanical handling solutions. Our widespread and varied customer base ensures that the company is fully conversant with the requirements of modern industry, especially in providing a consultative service to ensure safety and productivity in the workplace.*

*It is worth keeping in mind that there are over 350 acts and regulations that lay down the duties of employers, employees, manufacturers and suppliers in matters of health and safety. Equipment used at work for lifting, lowering and suspending loads requires careful consideration in its selection, use, maintenance and periodic examination.*

*Current UK legislation in the form of the Provision and Use of Work Equipment Regulations 1998 (PUWER) and the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) place stringent responsibilities on owners and users of such equipment.*

*RSS staff will make sure that you have the right equipment for your needs in full compliance with current legislation. We look forward to serving you.*

*Steve Hutin*

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We specialise in overnight delivery making things easy, simple, fast and safe.

Call 0800 6124 360 to place an order or seek advice, we've a team of experts here to help you.

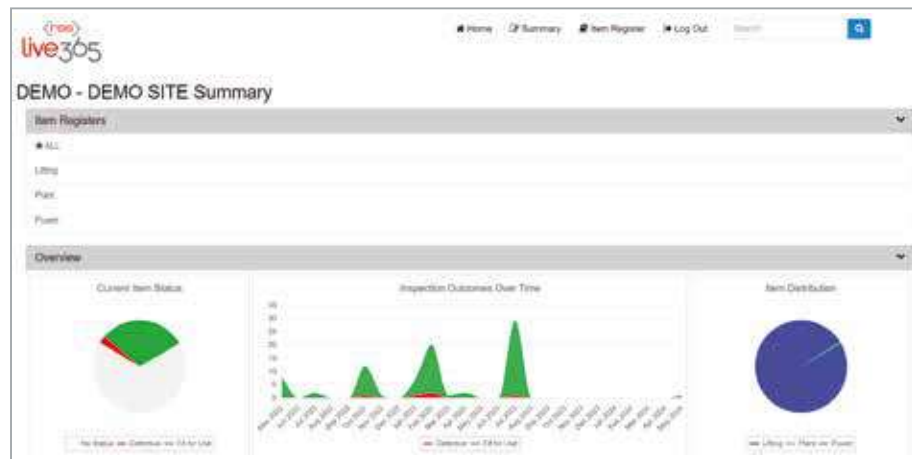




At Rope and Sling Specialists, we are committed to our pledge towards compliance within the lifting industry.

live365 combines our digitalised inspection services with comprehensive data analysis software to analyse safety trends.

live365 centres on the importance of maintaining essential safety documentation - current and historical - along with any time access. Digitalisation is the key to a safer lifting industry for all.



# ASSET REGISTER

The screenshot shows a web application interface for an RSS system. At the top, there is a navigation bar with links for Home, Summary, Item Register, Log Out, and a user profile icon. Below the navigation bar, the page title is "DEMO SITE" with a subtitle "Custom: DEMO". A search bar is located below the title. The main content area displays a table of products. The table has columns for ID, Name, Price, Category, Status, and Actions. The first row shows a product with ID 10000, Name "10000", Price "10000", Category "10000", Status "10000", and Actions "10000". The second row shows a product with ID 10001, Name "10001", Price "10001", Category "10001", Status "10001", and Actions "10001". The third row shows a product with ID 10002, Name "10002", Price "10002", Category "10002", Status "10002", and Actions "10002". The fourth row shows a product with ID 10003, Name "10003", Price "10003", Category "10003", Status "10003", and Actions "10003". The fifth row shows a product with ID 10004, Name "10004", Price "10004", Category "10004", Status "10004", and Actions "10004". The sixth row shows a product with ID 10005, Name "10005", Price "10005", Category "10005", Status "10005", and Actions "10005". The seventh row shows a product with ID 10006, Name "10006", Price "10006", Category "10006", Status "10006", and Actions "10006". The eighth row shows a product with ID 10007, Name "10007", Price "10007", Category "10007", Status "10007", and Actions "10007". The ninth row shows a product with ID 10008, Name "10008", Price "10008", Category "10008", Status "10008", and Actions "10008". The tenth row shows a product with ID 10009, Name "10009", Price "10009", Category "10009", Status "10009", and Actions "10009".



## CUSTOMER APP



### Pre-Use Check App

*live365 enables on-site personnel to access inspection data and record digital pre-use checks via an app.*

- Item register
- Item status
- Searchable filters
- Digital pre-use check
- RFID optional
- Geolocation record
- Photo recording function
- Record defects

### Data Analysis

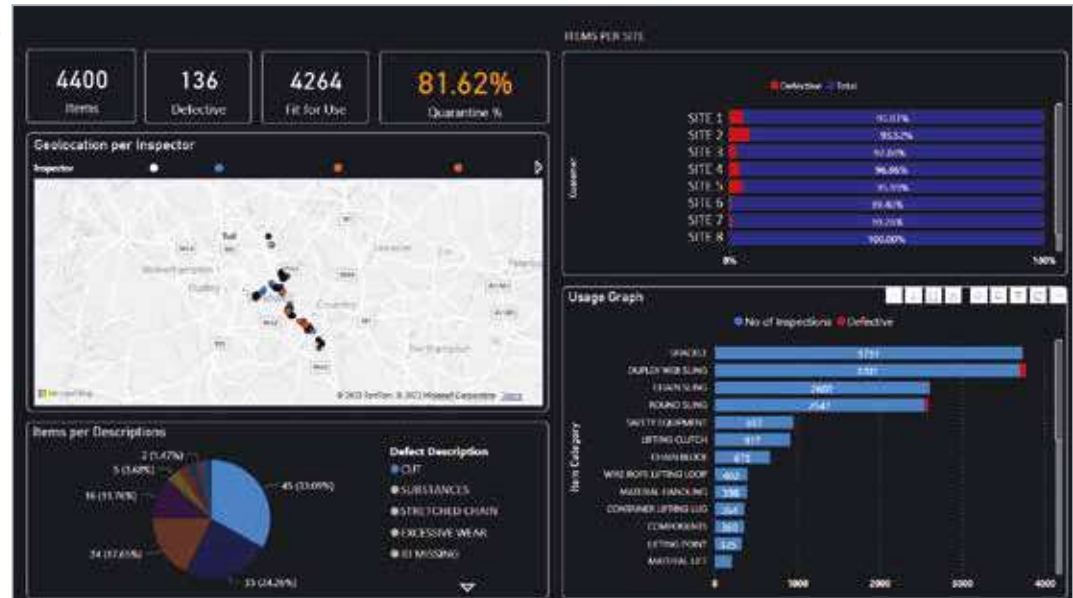
*live365 offers the next generation in data analysis for insight into safety data trends.*

*By utilising the information acquired from digitalised pre-use checks and Power BI functionality, live365 offers customers powerful analytics to prevent potential accidents before they occur. By analysing failure rates across sites, customers can see patterns of misuse and identify potential training deficiencies.*

*Utilising data analysis in this way ensures continuous safety improvements across all lifting operations.*

### Power BI

- Utilisation
- Quarantined percentages
- Safety trends across sites
- Defect trends
- Manufacturer failure rates
- Graphical analysis



## ENVIRONMENT

### Sustainability



Digitalisation of previously paper-based processes ensures we are moving towards more sustainable working operations.



Digitalising processes also promotes continuous improvements and streamlines working procedures, improving the environmental impact and long-term cost reductions.

### Recycle



Identifying the provenance of equipment increases the likelihood that equipment can be repaired rather than replaced. Repairing equipment not only is a more cost-effective solution but ensures we are working towards more environmentally sustainable operations.

# rss Web and Round Slings



**When ordering  
please state . . .**

Safe working load in  
tonnes  
Effective working  
length or  
circumference (if  
endless)



**Dyneema ®**

Round Slings  
Less damaging to the  
load.

Dyneema has a  
high resistance  
against chemicals  
combined with a  
very high abrasion  
and cut resistance.  
A high performance  
product.

**WARNING - Never exceed the working load limit marked on the sling.**

Lifting Factor Lifting Mode	Vertical x 1 	Choke x 0.8 	Basket 0° x 2 	Basket 0°-45° x1.4 	Basket 45°-60° x 1 
Colour	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
Black	500kg	400kg	1.0	700kg	500kg
Violet	1.0	800kg	2.0	1.4	1.0
White	1.5	1.2	3.0	2.1	1.5
Green	2.0	1.6	4.0	2.8	2.0
Yellow	3.0	2.4	6.0	4.2	3.0
Grey	4.0	3.2	8.0	5.6	4.0
Red	5.0	4.0	10.0	7.0	5.0
Brown	6.0	4.8	12.0	8.4	6.0
Blue	8.0	6.4	16.0	11.2	8.0
Orange	10.0	8.0	20.0	14.0	10.0
Orange	12.0	9.6	24.0	16.8	12.0
Orange	15.0	12.0	30.0	21.0	15.0
Orange	20.0	16.0	40.0	28.0	20.0
Orange	25.0	20.0	50.0	35.0	25.0
Orange	30.0	24.0	60.0	42.0	30.0
Orange	40.0	32.0	80.0	56.0	40.0
Orange	50.0	40.0	100.0	70.0	50.0



# rss Grade 8, 10 and 12 Chain Slings










												
	SINGLE LEG			2-LEG SLING 0-45°			3 LEG SLING 0-45°			4 LEG SLING 0-45°		
Chain Dimension	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12
6 mm	1.12	1.50	-	1.60	2.12	-	2.36	3.15	-	2.36	3.15	-
7 mm	1.50	-	-	2.12	-	-	3.15	-	-	3.15	-	-
8 mm	2.00	2.50	3.00	2.80	3.50	4.25	4.25	5.20	6.30	4.25	5.20	6.30
10 mm	3.15	4.00	5.00	4.25	5.60	7.10	6.70	8.40	10.60	6.70	8.40	10.60
13 mm	5.30	6.70	8.00	7.50	9.50	11.20	11.20	14.00	17.00	11.20	14.00	17.00
16 mm	8.00	10.00	12.50	11.20	14.00	17.50	17.00	21.00	26.50	17.00	21.00	26.50
19 mm	11.20	14.00	-	16.00	20.00	-	23.60	30.00	-	23.60	30.00	-
20 mm	12.50	16.00	-	17.50	22.40	-	26.25	33.60	-	26.25	33.60	-
22 mm	15.00	19.00	-	21.20	26.50	-	31.50	40.00	-	31.50	40.00	-
26 mm	21.20	26.50	-	30.00	37.50	-	45.00	56.00	-	45.00	56.00	-
32 mm	31.50	40.00	-	45.00	56.00	-	67.00	85.00	-	67.00	85.00	-

RSS can offer Grade 8, 10 and 12 chain slings. We offer a range of chain from 6 mm to 32 mm diameter.

Chain slings can be assembled with many different types of hooks and length required.

# rss Grade 8 Chain Slings








Master Links & Sub-Assemblies							
		1-leg		2-leg		3 & 4-leg	
							
Super Alloy Chain Ø		Master Link	Special Master Link	Master Link	Special Master Link	Sub-Assembly	Special Sub-Assembly
SA		A	T	A	T	G	TG
mm	inch	Code	Code	Code	Code	Code	Code
6	1/4	A 13	T 13	A 13	T 13	G 06/7.8	
7	9/32	A 13	T 13	A 16	T 13	G 06/7.8	TG 07.8
8	5/16	A 16	T 13	A 18	T 16	G 08.8	TG 08.8
10	3/8	A 18	T 16	A 22	T 20	G 10.8	TG 10.8
13	1/2	A 22	T 20	A 26	T 26	G 13.8	TG 13.8
16	5/8	A 26	T 26	A 32	T 32	G 16.8	TG 16.8
18	11/16	A 32	T 32	A 36	T 38	G 18.8	
20	3/4	A 36	T 32	A 36	T 38	G 20.8	
22	7/8	A 36	T 38	A/T 45	A/T 45	G 22.8	
26	1	A/T 45	A/T 45	A/T 50	A/T 50	G 26.8	
32	1 1/4	A/T 50	A/T 50	A/T 56	A/T 56	G 32.8	
36		A/T 56	A/T 56	A/T 56	A/T 56		
40		A/T 56					

# rss Grade 8 Chain Slings

## Connecting & Shortening Elements

							
Super Alloy Chain Ø		Connecting Link	Omega Shackle	Webbing Coupling Link	Eye Grab Hook	Clevis Grab Hook	Clevis Shortening Clutch (with Securing Part) VKL
SA		V	VU	RSK	P	PK	
mm	inch	Code	Code	Code	Code	Code	Code
6	1/4	V 06.8 U	VU 06.8		P-06.8		VKL 06.8
7	9/32	V 07.8 U	VU 07.8		P 07/8.8	PK 07/8.8	VKL 07.8
8	5/16	V 08.8 U	VU 08.8	RSK 08.8 U	P 07/8.8	PK 07/8.8	VKL 08.8
10	3/8	V 10.8 N	VU 10.8	RSK 10.8/N	P 10.8	PK 10.8	VKL 10.8
13	1/2	V 13.8 U	VU 13.8	RSK 13.8 U	P 13.8	PK 13.8	VKL 13.8
16	5/8	V 16.8 U	VU 16.8	RSK 16.8 U	P 16.8	PK 16.8	
18	11/16						
20	3/4	V 20.8 U	VU 20.8		P 20.8	PK 20.8	
22	7/8	V 22.8			P 22.8		
26	1	V 26.8	VU 26.8		P 26.8		
32	1 1/4	V 32.8 U			P 32.8		


# rss Grade 8 Chain Slings

Sling Hooks							
							
Super Alloy Chain Ø		Eye Sling Hook with Forged Safety Latch	Clevis Sling Hook with Forged Safety Latch	Eye Self Locking Hook	Clevis Self Locking Hook	Swivel Safety Locking Hook	Foundry Hook
SA		HS	HKS	HSB	HKSB	WSB	GH
mm	inch	Code	Code	Code	Code	Code	Code
6	1/4	HS 06.8 U	HKS 06.8 U	HSB 06.8	HKSB 06.8 U	WSB 06.8	
7	9/32	HS 07/8.8 U	HKS 07/8.8 U	HSB 07/8.8	HKSB 07/8.8 U	WSB 07/8.8	GH 07/8.8
8	5/16	HS 07/8.8 U	HKS 07/8.8 U	HSB 07/8.8	HKSB 07/8.8 U	WSB 07/8.8	GH 07/8.8
10	3/8	HS 10.8 U	HKS 10.8 U	HSB 10.8	HKSB 10.8 U	WSB 10.8	GH 10.8
13	1/2	HS 13.8 U	HKS 13.8 U	HSB 13.8	HKSB 13.8 U	WSB 13.8	GH 13.8
16	5/8	HS 16.8 U	HKS 16.8 U	HSB 16.8	HKSB 16.8 U	WSB 16.8	GH 16.8
18	11/16	HS 20.8 U		HSB 20.8			GH 20.8
20	3/4	HS 20.8 U	HKS 20.8 U	HSB 20.8			GH 20.8
22	7/8	HS 22.8 U	HKS 22.8 U	HSB 22.8			
26	1	HS 26.8 U					
32	1 1/4	HS 32.8 U					






# rss Grade 8 Chain Slings

## Super Alloy G 80 - Characteristics

Chain Quality:	Super Alloy Chain	SA	Corresponds with EN 818-2 & machinery directive 2006/42/EC
Stress at Load Capacity Limit:			200 N/mm <sup>2</sup>
Test Stress:			500 N/mm <sup>2</sup> – corresponds to 2.5 times the load capacity
Breaking Stress:			800 N/mm <sup>2</sup> – corresponds to 4 times the load capacity
Breaking Elongation:			min. 20 %
Bending acc. to EN 818-2:			0.8 x nominal diameter
Permissible Working Temperature:	Super Alloy Chain	SA	max. 400 °C
	Components		max. 400 °C
Grade marking:	Super Alloy Chain	SA	8
	Components		8
Surface:	Super Alloy Chain	SA	Black painted
	Components		Powder coated
Working Load Tag:	Super Alloy Chain	SA	

All the required data is shown on the working load tag.

Note: Working load tags should only be assembled acc. EN 818-4 and by competent persons. Working load tags should be used, solely when the respective chain & KWB components are assembled in the chain sling. Should alternative Working load limits arise in the chain sling through the use of special parts, the tags are impermissible. Disregard of these instructions can lead to material damage and personal injury. KWB will not assume liability.

Temperature	-40° to 200 °C	above 200° to 300 °C	above 300° to 400 °C
Load Factor Super Alloy	1	0.9	0.75
Asymmetric Load Distribution	In this case the working load limit must be reduced by at least one chain leg, for example a 3-leg or 4-leg sling is to be classified as a 2-leg chain sling. In case of doubt, it must be supposed that only one of the chain legs carries the entire load.		
Edge Loads	R = larger than 2x chain Ø 	R = larger than chain Ø 	R = chain Ø or smaller 
Load Factor	1	0.7	0.5
Impact Load	slight impact	medium impact	strong impact
Load Factor	1	0.7	impermissible

# rss Stainless Steel Pump Chain



## All-round power packs.

The high-grade pump chains have a load capacity that ranges from 320 to max. 12,000 kg. Their welded design, solid construction and range of components makes them particularly suitable for submersible pumps and breathers in water and wastewater applications.

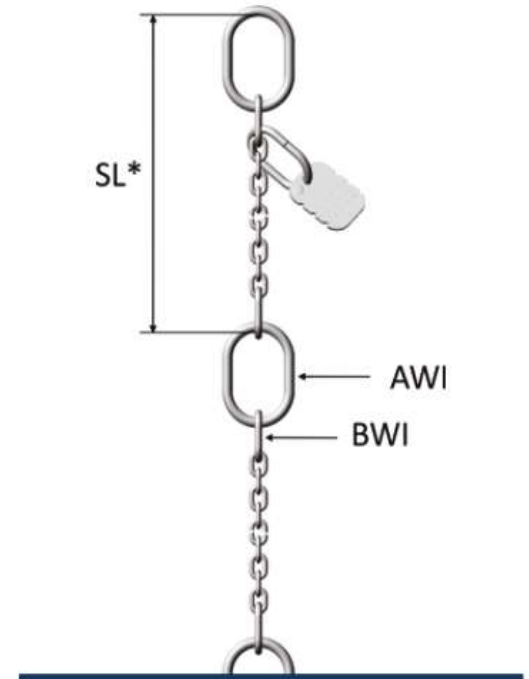
### Systematic expediency

These pump chains are tested for perfection and serialised with a dedicated identification tag and test certificate, issued individually for each chain. Enlarged master links at the beginning, at segmented intervals and at the end of the chain make them ideally suited for step-by-step lowering, lifting or locking.

Upon request, we also offer customised variations:

- Two-legged system with "Y" for pumps equipped with 2 eye screws.
- Alternative end fittings, such as eye hooks, BWI links or shackles.
- Additional stabilisation chain.
- Variation of standard segment length.
- Customised models available.
- Stainless steel hoist chains for pump stations are available upon request.

We recommend safety shackles type SSWI for joining the pump to the chain. When placing an order, please indicate the desired total length of the chain or the number of segments as well as the end fitting (e.g. AWI Master link). **Note:** The actual length is a multiple of the segment length, plus the length of the end fitting!



Code	WLL [kg]	Master link	Dimensions AWI [mm]	Transition link	Dimensions BWI [mm]	Chain type	Number of links	Segment length* [mm]	Weight SL* [kg]	Appropriately shackle / typ**
PCWI 4-6/320	320	AWI 6	6x60x35	-	-	WOX 4x12-5	77	984	0.39	SSWI 0.63 t -S/-W
PCWI 4-6/400	400	AWI 8	8x60x35	BWI 5	5x26x13	WOX 4x12	73	988	0.39	SSWI 0.63 t -S/-W
PCWI 5-6/560	560	AWI 8	8x60x35	BWI 7	7x36x16	WOX 5x15	53	943	0.43	SSWI 0.63 t -S/-W
PCWI 5-6/630	630	AWI 10	10x80x50	BWI 7	7x36x16	WOX 5x15	53	963	0.62	SSWI 0.63 t -S/-W
PCWI 6-6	850	AWI 10	10x80x50	BWI 7	7x36x16	WOX 6x18	47	998	0.68	SSWI 0.9 t -S
PCWI 7-6	1,250	AWI 13	13x110x60	BWI 9	9x44x20	WOX 7x21	37	975	1.35	SSWI 1.6 t -S
PCWI 8-6	1,600	AWI 13	13x110x60	BWI 10	10x44x20	WOX 8x24	33	990	1.70	SSWI 1.6 t -S
PCWI 10-6	2,500	AWI 16	16x110x60	BWI 13	13x54x25	WOX 10x30	25	968	2.60	SSWI 2.5 t -S
PCWI 13-6	3,500	AWI 18	18x135x75	BWI 16	16x70x34	WOX 13x39	19	1,016	4.50	SSWI 4.25 -S
PCWI 16-6	6,300	AWI 22	23x160x90	BWI 20	20x85x40	WOX 16x48	15	1,050	8.00	SSWI 6.3 t -S
PCWI 20-5	8,000	AWI 26	27x180x100	BWI 22	23x115x50	WOX 20x60	27	2,030	21.00	SSWI 26-C
PCWI 26-4+	12,000	AWI 45	45x340x180	BWI 32	32x150x70	WOX 26x78	19	2,122	43.20	SSWI 26-C

# rss Stainless Steel Pump Chain



Full Member

## Withstands any vibrations.

Yet another quality product made from high-grade steel that is forged, stamped and tested to within an inch of its life before it is put to use. This stainless steel safety shackle with a reinforced suspension bolt is designed for use as an end fitting in chain and wire rope slings and in connection with pump chains for the lifting of submersible pumps and breathers, where maximum safety is key. The product comes with a safety mechanism to protect against unintentional release. Please note that it cannot be mounted directly onto the chain and onto some transition links.

If used correctly, the SSWI Safety shackle easily withstands vibrations. Each of these safety products bears the CE-mark and has a code on the bolt and pins for added traceability.

Preferred areas of application for the shackle are water and wastewater applications and the product can also be used in connection with chemicals and food products; however, restrictions will apply and we recommend that you contact the manufacturer for advice prior to exposing the product to such use.



SSWI Safety shackle	Code	Load capacity [kg]	e [mm]	a [mm]	b [mm]	d [mm]	d1 [mm]	c [mm]	Weight [kg/pc.]
	SSWI 0,9 t-S	900	41	10	21.50	10	11	22	0.14
	SSWI 0,63 t-S	630	33	8	18	8	9	18	0.07
	SSWI 0,63 t-S-W	630	35	8	21.50	8	9	18	0.08
	SSWI 1,6 t-S	1,600	41	12	26	12	13	25	0.22
	SSWI 2,5 t-S	2,500	62	15	36	15	17	32	0.52
	SSWI 4,25 t-S	4,250	78	18	42	18	21	46	1.00
	SSWI 6,3 t-S	6,300	109	24	58	24	29	59	2.40
	SSWI 26-C <sup>1)</sup>	13,000	152	34	76	34	38	75	5.80

<sup>1)</sup> Maximum temperature in use is 110° C.

Other sizes and special models available on request!  
Stronger shackles are also available on request.  
Currently SSWI without UKCA marking, on request possible with UKCA marking.

### Bolt safety mechanism:

S = with safety splint

C = with bolt adhesive, at the moment only size SSWI 26 is available, further sizes upon request.

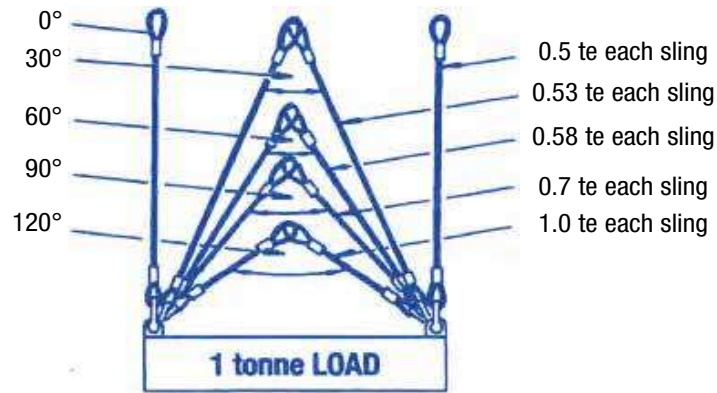
Material: 1.4404 (AISI 316 L) from SSWI 0,63t-S to SSWI 6,3t-S

Material: 1.4542 (AISI 630) from SSWI 26-C

# rss Sling Angles

## Sling Angles

When lifting with multi-leg slings, they are rated at a certain tonnage *from* 0° to 90° internal or 0° to 45° angle to vertical and this SWL should **NOT** be exceeded even if the angle is less than 90°. When using single slings in *pairs* however, you must always be aware of the increased loadings in the slings when lifting at an angle.

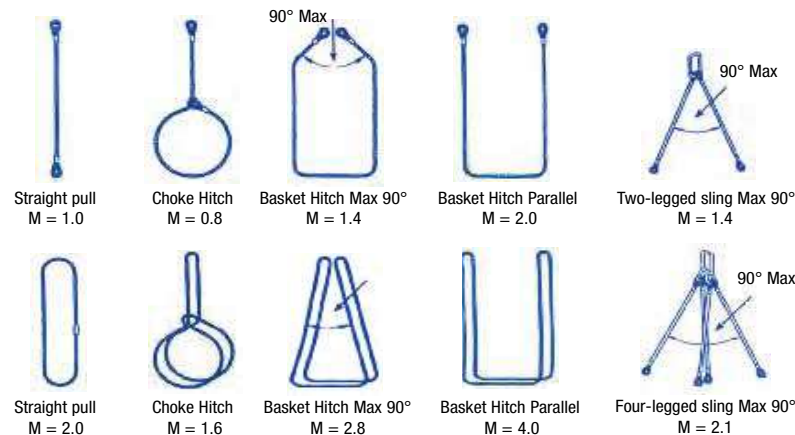


For the above reason, the SWL of a **pair** of single slings decreases as the angle between them increases as shown below:

0°	:	SWL =	SWL of one sling x 2	0°	:	SWL =	SWL of one sling x 2
30°	:	SWL =	SWL of one sling x 2 x 0.966	30°	:	SWL =	SWL of one sling x 1.93
60°	:	SWL =	SWL of one sling x 2 x 0.866	60°	:	SWL =	SWL of one sling x 1.73
90°	:	SWL =	SWL of one sling x 2 x 0.707	90°	:	SWL =	SWL of one sling x 1.414
120°	:	SWL =	SWL of one sling x 2 x 0.5	120°	:	SWL =	SWL of one sling only

## Mode Factor (M)

Always consider the variation in sling capacity when slinging in various configurations.



Multiply the SWL of one leg by the mode factor - M to obtain the SWL of the configuration. (The last four modes / ratings do not apply to 'round' slings).



# rss Wire Rope Slings

BS EN 13414-1:2003+A2:2008



**Working load limits for slings using steel cored rope of classes 6x19, 6x36 and 8x36 in grade 1770 and having ferrule-secured eye terminations**

#### NOTE 1

The working load limits (WLLs) given in the Table are based on the assumption that soft eyes of single-leg slings are used over bearing points having diameters not less than twice the nominal diameter of the rope.

#### NOTE 2

The Table shows working load limit values for ferrule-secured eye slings in various configurations. These values have been rounded for the convenience of the user.

	One-leg sling		Two-leg sling		Three and four-leg sling		Endless sling
Angle to the vertical	0°		0° to 45°	over 45° to 60°	0° to 45°	over 45° to 60°	0°
	Direct		Direct	Direct	Direct	Direct	Choke hitch
Nominal rope dia mm	Working load limits kN						
8	0,750		1,05	0,750	1,55	1,10	1,20
9	0,950		1,30	0,950	2,00	1,40	1,50
10	1,15		1,60	1,15	2,40	1,70	1,85
11	1,40		2,00	1,40	3,00	2,12	2,25
12	1,70		2,30	1,70	3,55	2,50	2,70
13	2,00		2,80	2,00	4,15	3,00	3,15
14	2,25		3,15	2,25	4,80	3,40	3,70
16	3,00		4,20	3,00	6,30	4,50	4,80
18	3,70		5,20	3,70	7,80	5,65	6,00
20	4,60		6,50	4,60	9,80	6,90	7,35
22	5,65		7,80	5,65	11,8	8,40	9,00
24	6,70		9,40	6,70	14,0	10,0	10,6
26	7,80		11,0	7,80	16,5	11,5	12,5
28	9,00		12,5	9,00	19,0	13,5	14,5
32	11,8		16,5	11,8	25,0	17,5	19,0
36	15,0		21,0	15,0	31,5	22,5	23,5
40	18,5		26,0	18,5	39,0	28,0	30,0
44	22,5		31,5	22,5	47,0	33,5	36,0
48	26,0		37,0	26,0	55,0	40,0	42,0
52	31,5		44,0	31,5	66,0	47,0	50,0
56	36,0		50,0	36,0	76,0	54,0	58,0
60	42,0		58,0	42,0	88,0	63,0	67,0
leg factor $K_1$	1		1,4	1	2,1	1,5	1,6

# rss Steel Wire Rope



## Steel Wire Ropes

All types of rope construction, including general engineering, rotation resistant and compacted are available, as well as a range of finishes in galvanised and stainless steel.

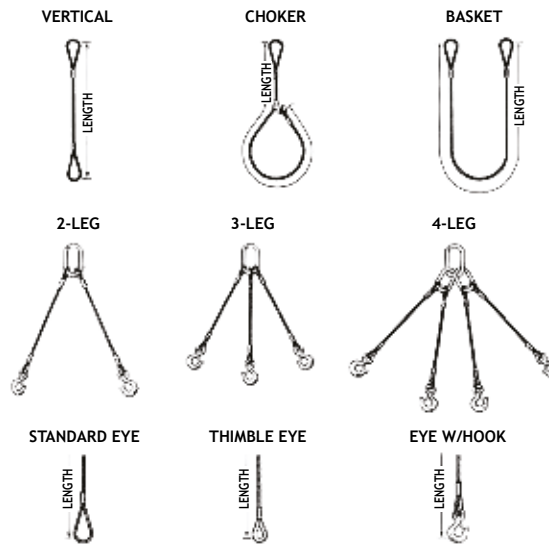
Various end fittings available to suit whatever your requirements may be.



WIRE ROPE SLINGS

Rope and Sling offer a complete service for the design, manufacture and testing of steel wire rope slings and assemblies from 1mm to 64mm diameter.

## WIRE ROPE SLINGS

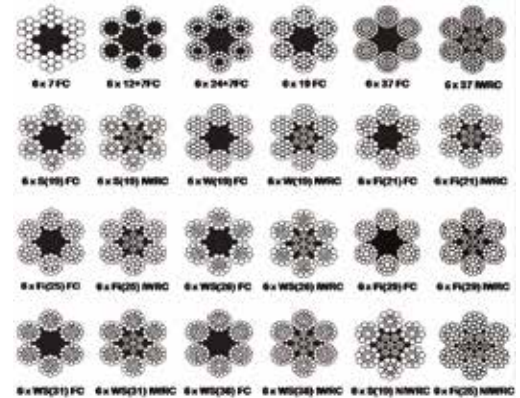


OPEN SOCKET



CLOSED SOCKET

## WIRE ROPE CONSTRUCTION



Flat Braided wire rope slings manufactured for handling coils, timber and tube - any length up to 100 tonne safe working load



## WIRE ROPE ASSEMBLIES



## WIRE ROPE



# rss Cable Laid Endless Grommets



## Grommets

BS EN13414-3  
Constr, 7x6x36+7  
IWRC galvanized  
Using wire rope  
conforming to  
EN 12385-4  
Tensile strength:  
1960 N/MM<sup>2</sup>

dia mm	Minimum Circumference	FOS	WLL Kg	MBL t
24	0,84	5,0	9.800	49
27	0,95	5,0	12.400	62
30	1,05	5,0	15.300	76
33	1,16	5,0	18.500	92
36	1,26	5,0	22.000	110
39	1,37	5,0	26.000	130
42	1,47	5,0	30.000	150
48	1,68	5,0	39.400	197
54	1,89	5,0	49.700	248
60	2,11	5,0	61.000	305
66	2,31	4,88	76.000	370
72	2,52	4,75	93.000	441
78	2,73	4,61	112.600	519
84	2,94	4,48	134.400	602
90	3,15	4,35	159.800	693
96	3,36	4,22	186.700	787
102	3,57	4,09	218.000	891
108	3,78	3,95	251.800	994
114	3,90	3,82	291.000	1111
120	4,10	3,69	334.000	1232
126	4,30	3,56	380.000	1352
132	4,50	3,43	433.000	1485



# rss Murlink Chain









## Murlink Chain

Spectacular ease in handling the synthetic chain.

The synthetic chain, thanks to its flexibility and softness, is perfectly suited for lifting delicate loads and for protecting delicate surfaces, in preventing the damage of the cargo by the lifting system.

This lightweight chain enables movement of heavier loads with the same lifting system.

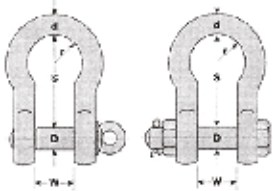
Murlink® synthetic chain range is a perfect replacement for grade 80 and grade 100 steel chains.

MURLINK SYNTHETIC CHAIN RANGE						WEIGHT	MAXIMUM LOADS OF USE FOR LIFTED LOADS									
WLL OFFSHORE (ton)	L2 LADING MURLINK (ton)	MURLINK CODE	Link length (mm)	Link Section (mm)	WLL Minimum (ton)		E=0°			OFF-DIAGONAL E=0°		E=45°		E=60°		
																
													M1.1	M1.2	M1.3	M1.4
							E=0°	E=0°	E=0°	E=0° E=45°	E=45° E=60°	E=0° E=45°	E=45° E=60°	E=0° E=45°	E=45° E=60°	
2,5k	5,0k	MURLINK 102004	300	30x8	10,000	6,525	2,500	2,000	5,000	3,000	2,500	5,500	2,500	5,250	3,750	
3,75	7,5k	MURLINK 152006	300	30x12	15,000	6,475	3,750	3,000	7,500	5,250	3,750	5,250	3,750	5,750	4,875	
4,3k	8,75	MURLINK 172007	300	30x14	17,500	6,585	4,375	3,500	8,750	6,125	4,375	6,125	4,375	6,188	5,563	
5,0k	10,0k	MURLINK 203008	300	30x16	20,000	6,625	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500	
6,0k	12,0k	MURLINK 243009	325	30x12	24,000	6,710	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000	
7,0k	14,0k	MURLINK 283007	325	30x14	28,000	6,835	7,000	5,600	14,000	9,800	7,000	9,800	7,000	14,700	10,500	
8,0k	16,0k	MURLINK 323010	325	30x16	32,000	6,940	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000	
10,5k	21,0k	MURLINK 423012	350	30x20	42,000	7,020	10,500	8,400	21,000	14,700	10,500	14,700	10,500	22,050	15,750	
12,5k	25,0k	MURLINK 503013	350 / 350	30x26	50,000	7,188	12,500	10,000	25,000	17,500	12,500	17,500	12,500	26,250	18,750	
13,0k	26,0k	MURLINK 524015	350	40x20	52,000	7,467	13,000	10,400	26,000	18,300	13,000	18,300	13,000	27,300	19,500	
15,0k	30,0k	MURLINK 604011	350	40x23	60,000	7,612	15,000	12,000	30,000	21,000	15,000	21,000	15,000	31,500	22,500	
16,0k	32,0k	MURLINK 644012	350	40x24	64,000	7,749	16,000	12,800	32,000	22,400	16,000	22,400	16,000	33,600	24,000	
18,0k	36,0k	MURLINK 724013	350	40x26	72,000	7,904	18,000	14,400	36,000	25,200	18,000	25,200	18,000	37,800	27,000	
19,0k	38,0k	MURLINK 764014	350	40x28	76,000	7,950	19,000	15,200	38,000	26,000	19,000	26,000	19,000	39,900	28,500	
22,0k	44,0k	MURLINK 805012	350	50x24	80,000	7,590	22,000	17,600	44,000	30,800	22,000	30,800	22,000	46,200	31,000	
25,0k	50,0k	MURLINK 1005013	350	50x26	100,000	7,775	25,000	20,000	50,000	31,000	25,000	31,000	25,000	52,500	37,500	
27,0k	54,0k	MURLINK 1005014	350	50x28	108,000	7,450	27,000	21,600	54,000	37,800	27,000	37,800	27,000	56,700	40,500	
32,0k	64,0k	MURLINK 1287511	400	75x23	128,000	7,862	32,000	25,600	64,000	44,800	32,000	44,800	32,000	67,200	48,000	
36,0k	72,0k	MURLINK 1407512	400	75x24	144,000	7,937	36,000	28,800	72,000	50,400	36,000	50,400	36,000	75,600	54,000	
40,0k	80,0k	MURLINK 1607513	400	75x26	160,000	7,615	40,000	32,000	80,000	56,000	40,000	56,000	40,000	84,000	60,000	
44,0k	88,0k	MURLINK 1767514	400	75x28	176,000	7,892	44,000	35,200	88,000	61,600	44,000	61,600	44,000	92,400	66,000	





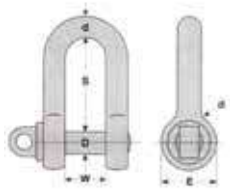
**Alloy Bow Shackle**  
330kg to 85 tonne  
US Federal  
Specification  
RR-C-271D 1V



SWL tonnes	d mm	D mm	S mm	W mm	2 x r mm	Weight kgs/each	Safety Pin product code	Screw Pin product code
0.33	5	6	22	9.5	16	0.02	-	SHAB0033
0.50	6	8	29	12	20	0.06	-	SHAB0053
0.75	8	10	32	13.5	22	0.09	-	SHAB0075
1.00	10	11	36.5	17	26	0.15	SHAB0100E	SHAB0100
1.50	11	13	43	19	29	0.24	SHAB0150E	SHAB0150
2.00	13	16	51	20	33	0.39	SHAB0200E	SHAB0200
3.25	16	19	64	27	43	0.73	SHAB0325E	SHAB0325
4.75	19	22	76	31	51	1.30	SHAB0475E	SHAB0475
6.50	22	25	83	36	58	1.82	SHAB0650E	SHAB0650
8.50	25	28	95	43	68	2.59	SHAB0850E	SHAB0850
9.50	28	32	108	47	75	3.60	SHAB0950E	SHAB0950
12.00	32	35	115	51	83	5.12	SHAB1200E	SHAB1200
13.50	35	38	133	57	92	6.96	SHAB1350E	SHAB1350
17.00	38	42	146	60	99	8.93	SHAB1700E	SHAB1700
25.00	45	50	178	74	126	14.24	SHAB2500E	SHAB2500
35.00	50	57	197	83	138	21.10	SHAB3500E	SHAB3500
55.00	65	70	260	105	180	40.00	SHAB5500E	SHAB5500
85.00	75	83	329	127	190	62.00	SHAB8500E	SHAB8500



**Large Dee Shackle**  
250kg to 20 tonne  
To BS 3032 1958  
with Type 'A' Pin



SWL tonnes	d inches	D inches	W inches	S inches	E inches	Weight kgs/each	Self Colour product code	Galvanised product code
0.25	1/4"	3/8"	1/2"	1"	3/4"	0.10	SHHD0025	SHHD0025G
0.50	3/8"	1/2"	3/4"	1 1/2"	1"	0.20	SHHD0050	SHHD0050G
0.75	1/2"	5/8"	1 1/8"	2 1/8"	1 1/4"	0.30	SHHD0075	SHHD0075G
1.50	5/8"	3/4"	1 1/4"	2 1/2"	1 1/2"	0.60	SHHD0150	SHHD0150G
2.00	3/4"	7/8"	1 1/2"	2 7/8"	1 3/4"	1.00	SHHD0200	SHHD0200G
3.00	7/8"	1"	1 3/4"	3 1/4"	2"	1.60	SHHD0300	SHHD0300G
3.75	1"	1 1/8"	2"	3 3/4"	2 1/4"	2.40	SHHD0375	SHHD0375G
5.00	1 1/8"	1 1/4"	2 1/8"	4 1/8"	2 1/2"	3.20	SHHD0500	SHHD0500G
6.00	1 3/4"	1 3/8"	2 3/8"	4 1/2"	2 3/4"	4.50	SHHD0600	SHHD0600G
7.00	1 3/8"	1 1/2"	2 5/8"	5"	3"	6.10	SHHD0700	SHHD0700G
9.50	1 1/2"	1 3/4"	2 3/4"	5 3/8"	3 1/2"	8.70	SHHD0950	SHHD0950G
11.25	1 5/8"	1 7/8"	3"	5 3/4"	3 3/4"	10.00	SHHD1125	SHHD1125G
13.00	1 3/4"	2"	3 1/4"	6 1/8"	4"	12.50	SHHD1300	SHHD1300G
14.25	1 7/8"	2 1/8"	3 5/8"	7"	4 1/4"	15.20	SHHD1425	SHHD1425G
16.25	2"	2 1/4"	3 7/8"	7 3/8"	4 1/2"	18.50	SHHD1625	SHHD1625G
18.00	2 1/8"	2 3/8"	4 1/8"	7 3/4"	5"	20.00	SHHD1800	SHHD1800G
20.00	3 1/4"	2 1/2"	4 1/4"	8 1/4"	5 1/4"	22.50	SHHD2000	SHHD2000G

# rss Shackles

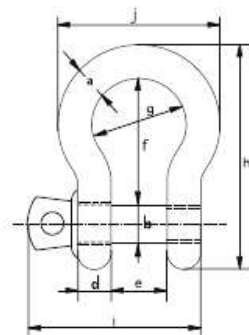


## Green Pin® Bow Shackle SC

### Standard bow shackle with screw collar pin



G-4161



- **Material:** bow and pin high tensile steel, grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** ISO 2415, EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2, grade A, from 2 t and upward these shackles comply with ASME B30.26
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* DNV 0378 CE IIA ABS PDA ABS MA

working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
0.33	5	6	12	5	9.5	22	16	36	29.5	26	0.02
0.5	7	8	16	7	12	29	20	48	38	34	0.05
0.75	9	10	20	9	13.5	32	22	56	46.5	40	0.10
1	10	11	23	10	17	37	26	64	54	46	0.14
1.5	11	13	25	11	19	43	29	73	59.5	51	0.19
2	13.5	16	34	13	22	51	32	90	73	59	0.36
3.25	16	19	40	16	27	64	43	110	89	75	0.63
4.75	19	22	46	19	31	76	51	129	103	89	1.01
6.5	22	25	52	22	36	83	58	144	119	102	1.50
8.5	25	28	59	25	43	95	68	164	137	118	2.21
9.5	28	32	67	28	47	108	75	186	153	131	3.16
12	32	35	73	32	51	115	83	201	170	147	4.31
13.5	35	38	79	35	57	133	92	227	186	162	5.58
17	38	42	88	38	60	146	99	249	203	175	7.43
25	45	50	104	45	74	178	126	300	243	216	12.5
35	50	57	112	50	83	197	138	332	272	238	17.2
42.5	57	65	132	57	95	222	160	378	310	274	26.3
55	65	70	145	65	105	260	180	433	344	310	37.6

# rss Shackles

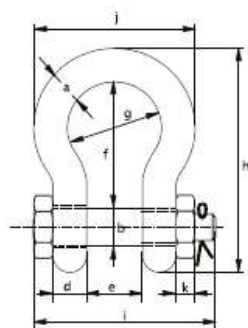


## Green Pin® Bow Shackle BN

Standard bow shackle with safety bolt



G-4163



- **Material:** bow and pin high tensile steel, grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** ISO 2415, EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, grade A, from 2 t and upward these shackles comply with ASME B30.26
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* DNV 2.7-1\* DNV 2.7-1\* DNV 0378 CE IIA ABS PDA ABS MA

working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
0.5	7	8	16	7	12	29	20	48	42	34	4	0.06
0.75	9	10	20	9	13.5	32	22	56	50	40	5	0.11
1	10	11	23	10	17	37	26	64	60	46	8	0.16
1.5	11	13	25	11	19	43	29	73	67	51	11	0.22
2	13.5	16	34	13	22	51	32	90	80	59	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	115	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	67	28	47	108	75	186	166	131	27	3.66
12	32	35	73	32	51	115	83	201	184	147	30	4.91
13.5	35	38	79	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	39	8.19
25	45	50	104	45	74	178	126	300	243	216	45	14
35	50	57	112	50	83	197	138	332	269	238	50	18.8
42.5	57	65	132	57	95	222	160	378	301	274	57	28.3
55	65	70	145	65	105	260	180	433	329	310	65	39.6
85	75	83	167	75	127	330	190	530	381	340	83	62



# rss Shackles



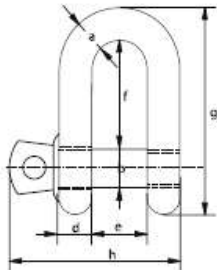
## Green Pin® Dee Shackle SC

### Standard dee shackle with screw collar pin

- **Material:** bow and pin high tensile steel, grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** ISO 2415, EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 2, grade A, from 2 t upward these shackles comply with ASME B30.26
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 21 22 31 MTC\* DNV 0378 CE IIA ABS PDA ABS MA



G-4151



working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	length	length bolt	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
0.33	5	6	12	5	9.5	19	33	29.5	0.02
0.5	7	8	16	7	12	22.5	41.5	38	0.05
0.75	9	10	20	9	13.5	27	51	46.5	0.09
1	10	11	23	10	17	32	59	54	0.14
1.5	11	13	25	11	19	37	67	59.5	0.19
2	13.5	16	34	13	22	43	82	73	0.32
3.25	16	19	40	16	27	51	97	89	0.54
4.75	19	22	46	19	31	59	112	103	0.87
6.5	22	25	52	22	36	73	134	119	1.34
8.5	25	28	59	25	43	85	154	137	2.08
9.5	28	32	67	28	47	90	168	153	2.77
12	32	35	73	32	51	94	180	170	3.72
13.5	35	38	79	35	57	115	209	186	5.44
17	38	42	88	38	60	127	230	203	6.85
25	45	50	104	45	74	149	271	243	11.5
35	50	57	112	50	83	171	306	272	16.9
42.5	57	65	132	57	95	190	346	310	24.6
55	65	70	145	65	105	203	376	344	32.7

# rss Shackles

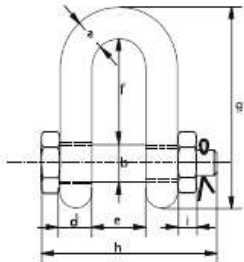


## Green Pin® Dee Shackle BN

### Standard dee shackle with safety bolt



G-4153



- **Material:** bow and pin high tensile steel, grade 6, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** ISO 2415, EN 13889, ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 3, grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* DNV 2.7-1\* \* DNV 2.7-1\* \* DNV 0378 CE IIA ABS PDA ABS MA

working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	length	length bolt	thickness nut	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
2	13.5	16	34	13	22	43	82	80	13	0.39
3.25	16	19	40	16	27	51	97	98	17	0.67
4.75	19	22	46	19	31	59	112	115	19	1.08
6.5	22	25	52	22	36	73	134	130	22	1.66
8.5	25	28	59	25	43	85	154	150	25	2.46
9.5	28	32	67	28	47	90	168	166	27	3.40
12	32	35	73	32	51	94	180	184	30	4.51
13.5	35	38	79	35	57	115	209	197	33	6.10
17	38	42	88	38	60	127	230	202	19	7.63
25	45	50	104	45	74	149	271	243	23	12.9
35	50	57	112	50	83	171	306	269	26	17.4
42.5	57	65	132	57	95	190	346	301	29	25.9
55	65	70	145	65	105	203	376	329	32	35.3
85	75	83	167	75	127	229	429	381	39	53



# rss Shackles

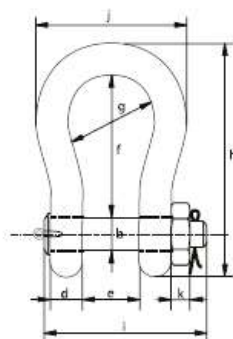


## Green Pin® Heavy Duty Bow Shackle BN

High load capacity bow shackle with safety bolt



P-6036



- **Material:** bow and pin alloy steel, grade 8 quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26
- **Finish:** shackle bow painted silver, pin painted green
- **Temperature range:** -40 °C up to +200 °C ≤ WLL 600 t
- **Certification:** 2.1 2.2 3.1 MTC<sup>a</sup> CE IIA Optional<sup>\*\*\*</sup>: MTC<sup>b</sup> LROS<sup>\*\*</sup> MPI<sup>a</sup> US<sup>a</sup>

working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight pin	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg	kg
120	95	95	204	95	147	400	238	644	453	428	50	28.1	114
150	105	108	235	105	169	410	275	686	496	485	50	39.2	155
200	120	130	270	120	179	513	290	833	564	530	71	69.2	235
250	130	140	284	130	205	554	305	896	614	565	71	85.5	295
300	140	150	308	140	205	618	305	987	644	585	81	102	366
400	170	175	376	164	231	669	325	1115	698	665	70	151	620
500	180	185	398	164	256	719	350	1191	728	710	70	173	720
600	200	205	444	189	282	719	375	1244	810	775	70	228	975
700	210	215	454	204	308	718	400	1263	870	820	70	265	1075
800	210	220	464	204	308	718	400	1270	870	820	70	276	1100
900	220	230	485	215	328	718	420	1296	920	860	70	319	1250
1000	240	240	515	215	349	718	420	1336	940	900	70	351	1460
1250	260	270	585	230	369	768	450	1456	1025	970	70	481	1940
1500	280	290	625	230	369	818	450	1556	1025	1010	70	556	2305

# rss Shackles



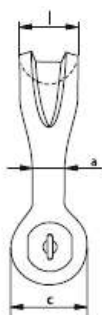
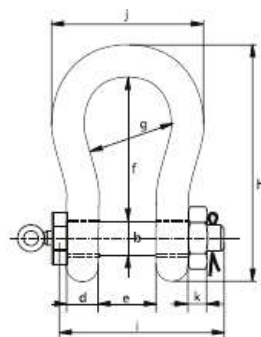
## Green Pin® Sling Shackle BN

High load capacity bow shackle with safety bolt

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26 ≤ WLL 600 t
- **Finish:** shackle bow painted silver, pin painted green  
(WLL 7 t up to 55 t shackles are hot dipped galvanized)
- **Temperature Range:** -40 °C up to +200 °C ≤ WLL 600 t  
-20 °C up to +200 °C ≥ WLL 700 t
- **Certification:** 2.1 2.2 3.1 MTC<sup>a</sup> CE IIA Optional<sup>\*\*\*</sup>: MTC<sup>b</sup> LROS<sup>\*\*</sup> MPI<sup>a</sup> US<sup>b</sup>



P-6033



working load limit	diameter body	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	bearing surface	weight pin	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	l mm	kg	kg
7	22	22	46	19	32	96	64	153	115	110	19	41	0.99	1.97
12.5	28	28	61	25	44	120	82	197	151	146	24	54	1.82	4.27
18	35	35	69	30	54	148	102	239	171	180	29	64	2.35	6.85
30	40	42	90	35	69	165	126	279	207	200	34	79	4.23	12.5
40	55	51	109	45	84	199	140	331	252	235	38	97	4.32	20.3
55	60	57	115	55	90	240	160	389	294	270	45	100	4.6	30.4
75	68	70	126	54	110	290	185	473	317	331	40	120	11.4	45
125	85	80	156	85	137	366	220	583	413	390	40	150	18.6	92
150	94	95	181	89	147	391	253	648	445	449	50	170	27.3	140
200	110	105	201	100	158	481	280	759	480	500	50	205	36.9	205
250	126	120	229	110	179	542	300	860	535	552	60	240	54.3	264
300	136	134	246	134	195	601	350	946	590	620	70	265	79.4	360
400	160	160	295	145	231	576	370	995	687	710	80	320	127	583
500	170	180	330	160	263	681	450	1161	762	850	90	340	176	862
600	190	200	360	170	289	741	490	1264	827	930	100	370	234	1134
700	200	215	392	190	315	751	540	1284	879	901	100	400	290	1142
800	218	230	420	200	342	851	554	1426	942	947	110	420	350	1418
900	242	255	466	220	368	851	580	1488	1023	1023	120	440	464	1810
1000	260	270	490	240	399	851	614	1532	1103	1107	120	460	559	2385
1250	285	300	510	260	452	931	650	1666	1227	1182	150	530	782	3110
1550	285	320	550	280	483	950	680	1710	1300	1253	150	560	918	3655

# rss Shackles

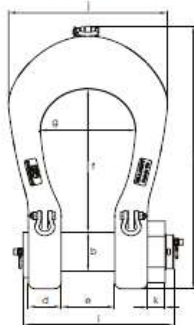


## Green Pin Power Sling® Shackle BN

High load capacity, grade 8 shackle with safety bolt



P-6043



- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26
- **Finish:** shackle bow painted silver, pin painted green
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC<sup>b</sup> DNV PL MPI<sup>b</sup> US<sup>b</sup> DNV 0377 DNV 0378 CE IIA

working load limit	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	bearing surface	weight pin	weight each
t	b	c	d	e	f	g	h	i	j	k	l	kg	kg
125	81	165	89	134	365	220	632	382	370	36	205	17.3	97
150	95	182	90	144	390	250	703	408	420	42	248	26.1	134
200	105	204	100	154	480	276	838	446	474	47	290	35.4	196
250	120	238	110	174	540	300	938	503	513	60	314	54.8	273
300	134	260	121	189	600	350	1032	550	604	60	345	71.9	371
400	160	305	140	224	620	370	1123	635	653	70	392	114	562
500	180	340	152	255	680	450	1239	699	763	70	440	157	783
600	200	365	170	280	741	490	1354	768	818	70	475	212	1003
700	215	405	190	320	751	540	1415	849	893	70	512	271	1276
800	230	430	200	347	851	554	1547	904	917	70	536	328	1484
900	255	476	215	373	851	580	1599	963	972	70	560	426	1808
1000	270	500	232	405	851	614	1643	1030	1022	70	590	508	2132
1250	300	570	245	436	930	650	1813	1114	1144	70	670	673	2891
1550	320	590	270	469	950	680	1890	1220	1210	70	704	827	3517



# rss Shackles



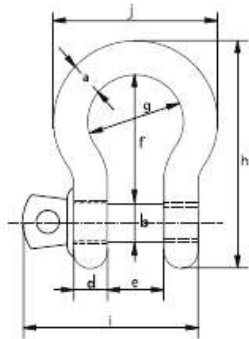
## Green Pin Super® Bow Shackle SC

### Grade 8 bow shackle with screw pin

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2, grade B
- **Finish:** hot dipped galvanized
- **Temperature Range:** -20 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC<sup>a</sup> CE IIA ABS PDA<sup>\*</sup> ABS MA<sup>\*</sup>



G-5261



working load limit	diameter body	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
3.3	13.5	16	34	13	22	51	32	90	73	59	0.36
5	16	19	40	16	27	64	43	110	89	75	0.63
7	19	22	46	19	31	76	51	129	103	89	1.01
9.5	22	25	52	22	36	83	58	144	119	102	1.50
12.5	25	28	59	25	43	95	68	164	137	118	2.21
15	28	32	67	28	47	108	75	186	153	131	3.16
18	32	35	73	32	51	115	83	201	170	147	4.31
21	35	38	79	35	57	133	92	227	186	162	5.58
30	38	42	88	38	60	146	99	249	203	175	7.43
40	45	50	104	45	74	178	126	300	243	216	12.5
55	57	57	119	57	83	197	138	341	286	252	17.2
85*	70	70	145	70	105	260	180	437	354	320	37.6



# rss Shackles



## Green Pin Super® Bow Shackle BN

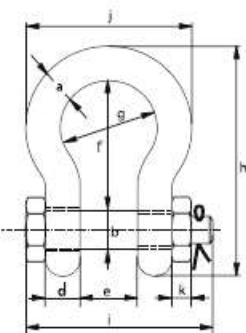
### Grade 8 bow shackle with safety bolt

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, grade B
- **Finish:** hot dipped galvanized (150 t and upward are painted)
- **Temperature Range:** -20 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* LROS\* CE IIA ABS PDA\* ABS MA\*



G-5263

working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
3.3	13.5	16	34	13	22	51	32	90	80	59	13	0.40
5	16	19	40	16	27	64	43	110	98	75	17	0.73
7	19	22	46	19	31	76	51	129	115	89	19	1.19
9.5	22	25	52	22	36	83	58	144	130	102	22	1.73
12.5	25	28	59	25	43	95	68	164	150	118	25	2.56
15	28	32	67	28	47	108	75	186	166	131	27	3.60
18	32	35	73	32	51	115	83	201	184	147	30	4.95
21	35	38	79	35	57	133	92	227	197	162	33	6.62
30	38	42	88	38	60	146	99	249	202	175	39	8.11
40	45	50	104	45	74	178	126	300	243	216	46	14.8
55	57	57	119	57	83	197	138	342	283	252	54	24.2
85	70	70	145	70	105	260	180	438	339	320	66	45.1
120	83	83	164	83	127	329	190	537	397	356	78	72
150*	95	95	204	95	147	400	238	644	453	428	91	112
175*	105	108	235	105	169	410	275	686	496	485	101	160



# rss Shackles



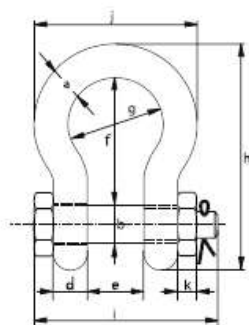
## Green Pin Polar® Bow Shackle BN

Grade 8 bow shackle with safety bolt  
for use under low temperatures



G-5163

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 7 x WLL  
for shackles with WLL 55 t and 85 t the MBL equals 6 x WLL
- **Standard:** ISO 2415, EN 13889, ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, grade A
- **Finish:** hot dipped galvanized
- **Temperature Range:** -60 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* DNV 2.7-1\* DNV 2.7-1\* DNV 0378 CE IIA ABS PDA ABS MA



working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
2	13.5	16	34	13	22	51	32	90	80	59	13	0.42
3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
4.75	19	22	46	19	31	76	51	129	115	89	19	1.18
6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
9.5	28	32	67	28	47	108	75	186	166	131	27	3.66
12	32	35	73	32	51	115	83	201	184	147	30	4.91
13.5	35	38	79	35	57	133	92	227	197	162	33	6.54
17	38	42	88	38	60	146	99	249	202	175	39	8.19
25	45	50	104	45	74	178	126	300	243	216	43	14.2
35	50	57	112	50	83	197	138	332	269	238	49	19.9
42.5	57	65	132	57	95	222	160	378	301	274	55	28.3
55	65	70	145	65	105	260	180	433	329	310	63	39.6
85	75	83	167	75	127	330	190	530	381	340	75	62

# rss Shackles



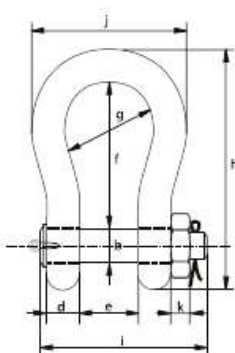
## Green Pin Polar® Heavy Duty Bow Shackle BN

High load capacity, grade 8 bow shackle with safety bolt for use under low temperatures



P-6031

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 5 x WLL
- **Standard:** ASME B30.26
- **Finish:** shackle bow painted silver, pin painted green
- **Temperature Range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* CE IIA Optional\*\*\*: MTC<sup>b</sup> \* LROS \*\* MPI\* US\*



working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight pin	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg	kg
120	95	95	204	95	147	400	238	644	453	428	50	28.1	110
150	105	108	235	105	169	410	275	686	496	485	50	39.2	160
200	120	130	270	120	179	513	290	833	564	530	71	69.2	235
250	130	140	284	130	205	554	305	896	614	565	71	85.5	285
300	140	150	308	140	205	618	305	987	644	585	81	102	368
400	170	175	376	164	231	668	325	1114	690	665	70	151	560
500	180	185	398	164	256	718	350	1190	720	710	70	173	716
600	200	205	444	189	282	718	375	1243	810	775	70	228	975
700	210	215	454	204	308	718	400	1263	870	820	70	265	1075
800	210	220	464	204	308	718	400	1270	870	820	70	276	1100
900	220	230	485	215	328	718	420	1296	920	860	70	319	1250
1000	240	240	515	215	349	718	420	1336	940	900	70	351	1460
1250	260	270	585	230	369	768	450	1456	1025	970	70	481	1940
1500	280	290	625	230	369	818	450	1556	1025	1010	70	556	2305



# rss Shackles



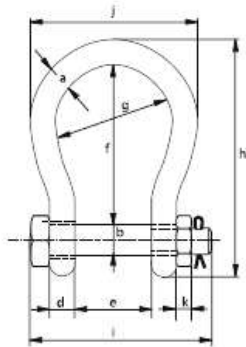
## Green Pin BigMouth® Bow Shackle BN

Grade 8 bow shackle with safety bolt and wider shackle mouth



G-4263

- **Material:** bow and pin alloy steel, grade 8, quenched and tempered
- **Safety Factor:** MBL equals 6 x WLL
- **Standard:** ASME B30.26
- **Finish:** hot dipped galvanized
- **Temperature Range:** -20 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC\* CE IIA



working load limit	diameter bow	diameter pin	diameter eye	width eye	width inside	length inside	width bow	length	length bolt	width	thickness nut	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
4.75	22	25	52	22	63	112	88	173	157	132	22	2.08
6.5	25	28	59	25	75	135	105	204	183	155	25	3.14
8.5	28	32	66	28	82	148	115	225	205	171	27	4.36
9.5	32	35	72	32	90	162	126	248	224	190	30	5.95
12	35	38	79	35	100	180	140	274	245	210	33	7.87
16	38	42	88	38	106	216	159	319	248	235	39	10.2
25	45	50	103	45	127	248	175	370	296	265	23	16.7
30	50	57	118	50	146	273	207	411	332	307	26	25
55	65	70	145	65	165	314	213	487	389	343	32	45
75	83	83	164	83	184	330	254	537	455	420	39	70



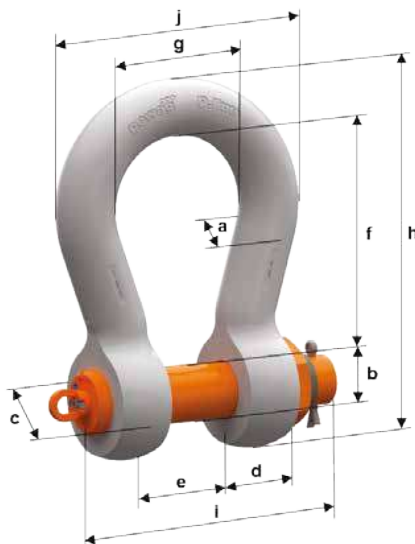
## pewag D.line shackles 85t to 1500t WLL

The safety factor of pewag D.line shackles is fully assessed by in-house FEA and confirmed by physical testing during DNV Type approval process. pewag D.line Heavy Lifting Shackles comply or exceed design and testing requirements of ASME B30.26-1 and Federal Specification RR-C-271.



Type	D.line (P285)	D.line Plus (P485)	D.line Star (P685)
Working Load Limit Range (WLL)	85t - 1500t	120t - 175t	85t - 600t
Charpy value at Temperature	27J / -20°C	27J / -20°C	42J / -40°C
Operating Temperature Range	-20°C / +200°C	-20°C / +200°C	-60°C / +200°C

# rss Shackles



Type		WLL	bow diameter a	pin diameter b (+/- 0,5)	inside width g	jaw gap e (min./max.)	inside height f	eye diameter c (min./max.)	eye thickness d	pin length i	total height h (max.)	total width j (max.)	aprox. weight
		[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
D.line P285	D.line Star P685	85	85	83	190	127/133	330	162/177	80	398	574	376	78
		120	95	95	238	144/150	380	200/215	89	438	659	444	115
		150	105	108	275	165/173	385	230/245	100	508	696	503	162
		200	120	125	280	180/188	450	270/288	110	550	807	540	240
		250	130	140	305	205/215	520	290/308	115	590	914	585	306
		300	140	150	305	205/215	530	315/335	120	605	952	605	368
		400	160	175	325	230/240	575	365/387	160	715	1,057	667	602
		500	180	185	350	250/262	650	385/410	160	740	1,168	734	735
		600	200	205	375	275/288	650	430/458	185	828	1,222	800	969
		700	210	215	400	300/315	650	440/468	200	885	1,242	847	1,091
	800	210	220	400	300/315	650	450/478	200	890	1,247	847	1,106	
	1,000	240	240	420	340/357	700	500/530	210	955	1,366	928	1,476	
	1,250	260	270	450	360/378	750	570/600	225	1,010	1,486	1,000	1,955	
	1,500	280	290	450	360/378	800	610/640	225	1,010	1,586	1,040	2,327	
	D.line Plus P485	120	85	83	190	127/133	330	162/177	80	398	574	376	78
150		95	95	238	144/150	380	200/215	89	438	659	444	115	
175		105	108	275	165/173	385	230/245	100	508	696	503	162	

PL = 2 x WLL exceeding the class requirements. All dimensions in mm

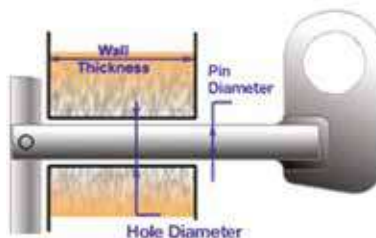
# rss Lifting Accessories



Full Member

## Manhole Lifting Pins

Pin dia 25mm /  
32mm / 35mm /  
38mm  
See chart >>



Pin Dia	Max. wall Thickness	SWL
25mm	120mm	750 kg/pin
32mm	150mm	1000 kg/pin
35mm	170mm	1500kg/pin
38mm	200mm	2000 kg/pin

## Green Painted Gin Block

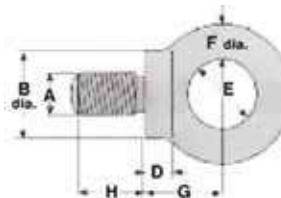
With swivel round eye. Rope available on request.



Sheave Dia mm	SWL kgs	Proof Load kgs	Weight kgs/each	Product Code
254	250	1000	4.5	GW

## Eye bolts

• Collared eyebolts BSW to BS4278 Table 4 1984 - Tested and certified  
See chart



### Eye bolts

- Collared eyebolts
  - Long shank collared eyebolts
  - EBCM collared eyebolts
- Tested and certified  
See charts

SWL tonnes	Dimensions								BSW Thread Product Code
	A inches	B mm	D mm	E mm	F mm	G mm	H mm	Weight kgs/each	
0.10	1/4"	22	7	15	9	20	18	0.07	EBC0010
0.15	5/16"	22	7	15	9	20	18	0.07	EBC0015
0.25	3/8"	22	7	15	9	20	18	0.07	EBC0025
0.50	1/2"	22	7	15	9	20	18	0.08	EBC0050
0.90	5/8"	29	10	20	12	26	23	0.17	EBC0090
1.40	3/4"	45	14	30	17	40	35	0.54	EBC0140
2.00	7/8"	52	17	35	21	46	40	0.88	EBC0200
2.75	1"	52	17	35	21	46	40	0.90	EBC0275
3.50	1 1/8"	65	22	44	26	58	51	1.60	EBC0350
4.50	1 1/4"	72	24	48	29	64	56	1.75	EBC0450
6.50	1 1/2"	86	29	57	33	76	67	3.60	EBC0650
9.00	1 3/4"	101	34	68	40	90	79	5.60	EBC0950
12.00	2"	115	38	76	44	102	89	9.10	EBC1200
15.00	2 1/4"	128	42	85	50	115	101	15.00	EBC1500
20.00	2 1/2"	143	48	95	55	127	111	17.70	EBC2000
30.00	3"	172	57	115	67	152	133	30.40	EBC3000

# rss Lifting Accessories





## pewag winner profilift alpha. Simply the best.

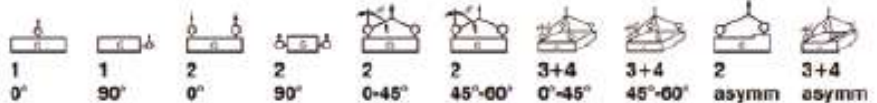
This lifting point is 360° rotatable. The load ring is rotatable across a wide range and can be positioned at any required angle due to its replaceable and patented spring. The hexagonal special screw is also replaceable and secured against loss. The PLAW pewag winner profilift alpha screw is made from 10.9 grade material, 100% crack-tested, covered with a chromate VI-free protection agent against corrosion and marked with the working load limit and thread size.

The pewag winner profilift alpha screw is able to withstand a 4-fold safety factor against breakage in all directions and every single lifting point is marked with an individual serial number. pewag winner profilift alpha is available with metric or UNC-thread. The versions with metric thread are also available with customised thread lengths. All working load limits, categorised by type of application, the number of legs and angle of inclination, are contained in a table that forms an integral part of the operating manual included with each lifting point.



# rss Lifting Accessories

Lashing type  
Number of legs  
Angle of inclination



Code	Thread [mm]	Torque [Nm]	Working load limit [kg]									
PLAW 0.3 t	M8	35	300	300	600	600	400	300	600	400	300	300
PLAW 0.63 t	M10	70	630	630	1.260	1.260	850	630	1.300	900	630	630
PLAW 1 t	M12	120	1.000	1.000	2.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLAW 1.5 t	M16	150	1.500	1.500	3.000	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLAW 2.5 t	M20	170	2.500	2.500	5.000	5.000	3.500	2.500	5.300	3.700	2.500	2.500
PLAW 4 t (/13)	M24	400	4.000	4.000	8.000	8.000	5.800	4.000	8.400	6.000	4.000	4.000
PLAW 6 t	M30	500	6.000	6.000	12.000	12.000	8.500	6.000	12.700	9.000	6.000	6.000
PLAW 7 t	M36	700	7.000	7.000	14.000	14.000	9.800	7.000	14.800	10.500	7.000	7.000
PLAW 9 t	M36	900	9.000	9.000	18.000	18.000	11.300	9.000	16.900	12.000	9.000	9.000
PLAW 10 t	M42	1.500	10.000	10.000	20.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLAW 15 t	M42	1.500	15.000	15.000	30.000	30.000	21.000	15.000	31.500	22.500	15.000	15.000
PLAW 20 t	M48	2.000	20.000	20.000	40.000	40.000	28.000	20.000	42.000	30.000	20.000	20.000

## pewag winner profilift gamma eyebolt. Close to perfection.

The PLGW gamma lifting point was developed and manufactured according to the latest standards. Simply tighten by hand, then align in the load direction - a system that is ideally suited for frequent assembly/disassembly. This patented system has been a great success from the word go and offers unsurpassed ease-of-use.

The eyebolt is 360° rotatable, comes with an interchangeable special screw that is 100% crack-tested as well as chrome VI-free finish-protection against corrosion and is marked with the working load limit and the thread size. The surface of the load is protected by an integrated sleeve. The batch number displayed on all load-bearing parts such as the eye and screws as well as the serial number make identification, traceability and performance of mandatory, regular inspections easier than ever.

### **PLGW supreme: tool-free assembly and disassembly**

Latch in position 1: The latch is not in direct contact with the screw (fig. PLGW supreme rotatable)

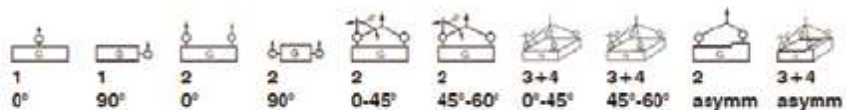
Latch in position 2: The latch is in direct contact with the screw (fig. PLGW supreme assembly/disassembly)



- The latch is held in place with a patented spring.
- The eyebolt is rotatable.
- The latch is held in place with a patented spring.
- Eyebolt is not rotatable i.e. the fastening torque is transmitted to the screw and thus the eyebolt can be (re)assembled.

# rss Lifting Accessories

Lashing type  
Number of legs  
Angle of inclination



Code	Thread [mm]	Torque [Nm]	Working load limit [kg]									
PLGW 0,3 t	M8	Simply tighten by hand	1.000	300	2.000	600	420	300	630	450	300	300
PLGW 0,5 t	M10		1.500	500	3.000	1.000	700	500	1.080	750	500	500
PLGW 0,7 t	M12		2.000	700	4.000	1.400	980	700	1.480	1.050	700	700
PLGW 1,5 t	M16		4.000	1.500	8.000	3.000	2.100	1.500	3.180	2.200	1.500	1.500
PLGW 2,3 t	M20		5.000	2.300	10.000	4.800	3.200	2.300	4.800	3.400	2.300	2.300
PLGW 3,2 t	M24		6.500	3.200	13.000	6.400	4.500	3.200	6.700	4.800	3.200	3.200
PLGW 4,9 t	M30		12.000	4.900	24.000	9.800	6.900	4.900	10.300	7.300	4.900	4.900
PLGW 7 t	M36		15.000	7.000	30.000	14.000	9.800	7.000	14.800	10.500	7.000	7.000
PLGW 9 t	M42		22.000	9.000	44.000	18.000	12.600	9.000	19.000	13.500	9.000	9.000
PLGW 12 t	M48		30.000	12.000	60.000	24.000	16.900	12.000	25.400	18.000	12.000	12.000



## pewag winner profilift gamma supreme ring nut Globally unique.

This ring nut works on the principle of tool-free assembly, making it unique worldwide. It is the logical continuation of the successful pewag PLGW supreme eyebolt and is used on loads that come with a threaded bolt instead of a thread.

Alternatively, the PLGW-SN supreme lifting point may be attached in a through-hole using a standard screw, which has the additional advantage of being able to use the same lifting point with different material thicknesses. This method requires just crack-tested screws (strength category 10.9) of different lengths.











For additional details and information, please refer to the full operating manual.

### **Other benefits of the PLGW-SN pewag winner profilift gamma supreme lifting point:**

- No tools are required for assembly or disassembly
- Saves time especially with frequent assembly/disassembly
- The lifting point is rotatable (may be set in the load direction) and loadable in all directions.



# rss Lifting Accessories

Lashing type										
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm	asymm

Code	Thread [mm]	Working load limit [kg]									
PLGW-SN 0,3 t	M8	1.000	300	2.000	600	400	300	600	400	300	300
PLGW-SN 0,5 t	M10	1.500	500	3.000	1.000	700	500	1.000	700	500	500
PLGW-SN 0,7 t	M12	2.000	700	4.000	1.400	1.000	700	1.400	1.000	700	700
PLGW-SN 1,5 t	M16	4.000	1.500	8.000	3.000	2.100	1.500	3.000	2.200	1.500	1.500
PLGW-SN 2,3 t	M20	5.000	2.300	10.000	4.600	3.200	2.300	4.800	3.400	2.300	2.300
PLGW-SN 3,5 t	M24	6.500	3.500	13.000	7.000	4.900	3.500	7.400	5.200	3.500	3.500
PLGW-SN 4,9 t	M30	12.000	4.900	24.000	9.000	6.900	4.900	10.300	7.300	4.900	4.900

## pewag winner profilift delta. Rotatable even under load.

This lifting point comes with a ball bearing and is rotatable by 360° even under load. The high-strength lifting eye is movable by 180°. The special screw is 100% crack-tested, protected against corrosion and marked with the working load limit and thread size. In addition, each lifting point is marked with its own individual serial number. The lifting eye comes with a ring and is wide enough to accommodate even larger hooks.

All working load limits, categorised by lashing type, number of legs and angle of inclination are contained in a table that forms an integral part of the operating manual included with each lifting point. The pewag winner profilift delta lifting points are marked with the admissible working load limit for the most unfavourable application mode, with four-fold safety against break in all directions. In addition, working load limits are higher in case of vertical loading. pewag winner profilift delta is available with a metric or UNC thread, up to a thread size of M100 or a working load limit of 60,000kg.

Optionally also available with peTAG (NFC chip) or PIP (colour marking).

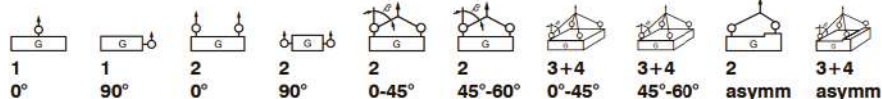


# rss Lifting Accessories



Full Member

Lashing type  
Number of legs  
Angle of inclination



Code	Thread [mm]	Torque [Nm]	Working load limit [kg]									
PLDW 0,3 t	M8	10	600	300	1.200	600	400	300	600	400	300	300
PLDW 0,5 t	M10	10	1.200	500	2.400	1.000	700	500	1.000	750	500	500
PLDW 0,7 t	M12	15	1.800	700	3.600	1.400	950	700	1.400	1.000	700	700
PLDW 1 t *	M14	25	2.400	1.000	4.800	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLDW 1,5 t	M16	30	2.800	1.500	5.600	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLDW 2,5 t	M20	80	5.000	2.500	10.000	5.000	3.500	2.500	5.300	3.500	2.500	2.500
PLDW 4 t	M24	150	7.000	4.000	14.000	8.000	5.500	4.000	8.400	6.000	4.000	4.000
PLDW 5,3 t	M30	230	7.000	5.300	14.000	10.600	7.400	5.300	11.200	7.900	5.300	5.300
PLDW 6,7 t	M30	230	10.000	6.700	20.000	13.400	9.400	6.700	14.200	10.000	6.700	6.700
PLDW 8 t	M36	450	12.500	8.000	25.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLDW 10 t	M42	600	16.000	10.000	32.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLDW 12 t	M45	600	16.000	12.000	32.000	24.000	16.900	12.000	25.400	18.000	12.000	12.000
PLDW 13 t	M48	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW 13 t	M52	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW 24 t	M56	800	28.000	24.000	56.000	48.000	33.900	24.000	50.900	36.000	24.000	24.000
PLDW 25 t	M64	800	28.000	25.000	56.000	50.000	35.300	25.000	53.000	37.500	25.000	25.000
PLDW 40 t	M72	1.200	60.000	40.000	120.000	80.000	56.500	40.000	84.800	60.000	40.000	40.000
PLDW 45 t	M80	1.400	60.000	45.000	120.000	90.000	63.600	45.000	95.400	67.500	45.000	45.000
PLDW 55 t	M90	1.500	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000
PLDW 55 t	M100	1.600	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000

\* Custom designs available upon request only



## pewag winner profilift lifting point PLZW zeta.

### Disassembled in no time.

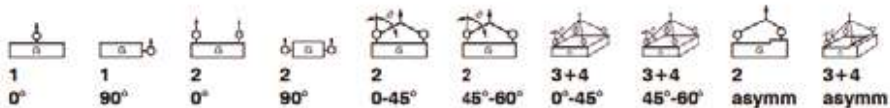
Thanks to its innovative design, the pewag winner profilift lifting point PLZW zeta may be assembled and disassembled without the use of tools (applies up to thread size M24). The PLZW zeta therefore makes it possible to directly attach closed lifting equipment such as eye sling hooks or rope loops, without having to use additional shackles.

The latest addition to the pewag lifting point portfolio comes with a five-fold safety factor against breakage, is rotatable by 360° and may be loaded in all directions. The individual serial number and the batch number make it possible to clearly identify the lifting point at all times. The PLZW zeta protects the surface of the load from damage thanks to an integrated sleeve. The screw is 100% crack-tested, comes with a chromate VI-free protection against corrosion and is marked with the working load limit, thread size and torque. The PLZW zeta is mounted in the desired position using a tool.



# rss Lifting Accessories

Lashing type  
Number of legs  
Angle of inclination



Code	Thread [mm]	Torque [Nm]	Working load limit [kg]									
PLZW 0,4 t*	M8	10	800	400	1.600	800	560	400	840	600	400	400
PLZW 0,63 t*	M10	10	1.100	630	2.200	1.260	890	630	1.330	940	630	630
PLZW 0,95 t*	M12	15	1.100	950	2.200	1.900	1.340	950	2.010	1.420	950	950
PLZW 1,8 t*	M16	50	2.900	1.800	5.800	3.600	2.540	1.800	3.810	2.700	1.800	1.800
PLZW 2,5 t*	M20	100	2.900	2.500	5.800	5.000	3.530	2.500	5.300	3.750	2.500	2.500
PLZW 4 t*	M24	160	6.500	4.000	13.000	8.000	5.650	4.000	8.480	6.000	4.000	4.000
PLZW 6,3 t	M30	250	6.500	6.300	13.000	12.600	8.900	6.300	13.360	9.450	6.300	6.300
PLZW 10 t	M36	320	15.000	10.000	30.000	20.000	14.100	10.000	21.200	15.000	10.000	10.000
PLZW 13 t	M42	400	15.000	13.000	30.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLZW 15 t	M48	600	15.000	15.000	30.000	30.000	21.200	15.000	31.800	22.500	15.000	15.000

## pewag winner prosecute gamma PSA anchorage point for personal fall protection equipment.

The pewag PLGW-PSA anchorage point is part of the anchorage system to which personal fall protection equipment may be attached. It was developed and tested in accordance with the stringent safety requirements for personal protection equipment according to EU Directive 89/686/EEC and already complies with the new EN795:2012 and CEN/TS 16415 standards. For all other details, please refer to the operating manual.

The PLGW-PSA is available in a "Basic" and "Supreme" version: The PLGW-PSA Basic is intended for permanent attachment to the anchorage system (e.g. tripod) and is mounted using a commercial Allen key. The PLGW-PSA Supreme is based on a patented system that allows for tool-free assembly and disassembly. The anchorage point is therefore easy to remove after usage. For detailed information on functionalities, please refer to the operating manual.

Thanks to the varnish in RAL 1003, both versions are also permitted for usage on stationary antennae systems (radio masts). The pewag PLGW-PSA anchorage point is available in size M12 (for 1 person), M16 and M20 (for max. 2 persons). All sizes are also available with a customised thread length.

Each anchorage point is marked with the thread size and the permissible number of persons as well as additional information. The individual serial number enables complete documentation of the required test procedures.

Optionally also available with peTAG (NFC chip) or PIP (colour marking).



pewag PLGW-PSA supreme for tool-free assembly



PLGW-PSA rotatable



PLGW-PSA dis-/assembly



Loadable on all sides



Marking on sleeve and screw  
Part number and location of the identification details on the product

Code	Thread [mm]	Persons	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	Hexagon [mm]	Weight [kg/unit]
PLGW PSA M12 <sup>1)</sup>	M12	1	30	55	12	32	63	55	20	160	8	0.30 / 0.42
PLGW PSA M16	M16	2	35	64	14	36	70	62	25	160	10	0.47 / 0.69
PLGW PSA M20	M20	2	40	73	16	41	81	66	30	160	12	0.60 / 0.95

<sup>1)</sup> Also available with US certification (complies with ANSI standard)

**Information:** The data in the weight column [kg/unit] refers to the standard length [n (mm)] and the maximum length [n max (mm)].



# rss Manual Chain Hoists

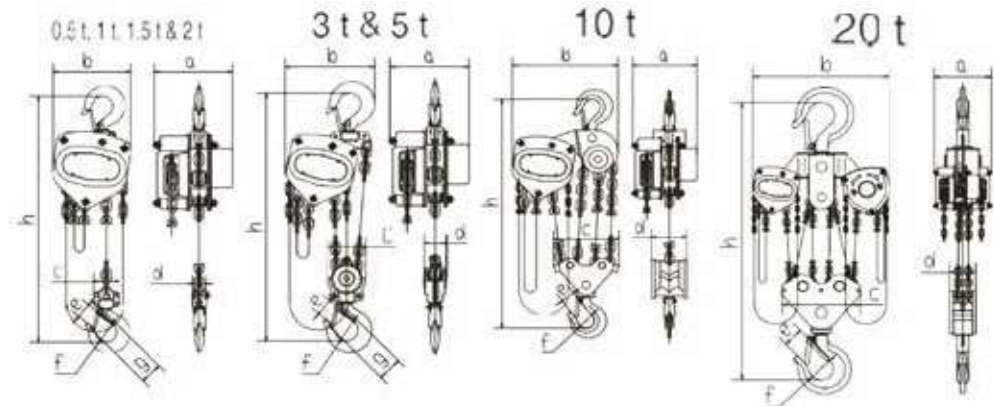
## Hand Operated Heavy Duty Chain hoists

Available from 250kg to 30 tonne

Standard chain length: 3 metres, other lengths available on request

Industrial safety catches

Swivel hooks top & bottom



Capacity (tonnes)	0.5	1	1.5	2	3	5	10	20
Proof Load (tonnes)	0.75	1.5	2.25	3	4.5	7.5	15	30
Load Chain (mm)	5x15	6x18	8x24	8x24	8x24	10x30	10x30	10x30
No. of Falls	1	1	1	1	2	2	4	8
Pull to Rated Load (N)	250	330	340	340	350	390	410	410x2
Hand Chain	5x25x17	5x25x17	5x25x17	5x25x17	5x25x17	5x25x17	5x25x17	5x25x17
A	127	147	147	179	147	179	179	207
B	144	157	174	204	206	263	367	873
C	285	315	340	380	475	600	740	870
D	25	30	34	34	56	74	96	123
F	27	33	33.5	37	43.5	51	64	82
G	35	45	47	52	62.5	78	78	78
Net Weight (kg)	9.0	12.2	14.5	21.0	22	40.0	89.4	214.7
Weight of Load Chain (kg)M	0.54	0.75	1.42	1.42	1.42	2.075	2.075	2.075



# rss WH C4 Chain Block

## WH C4 Chain Block

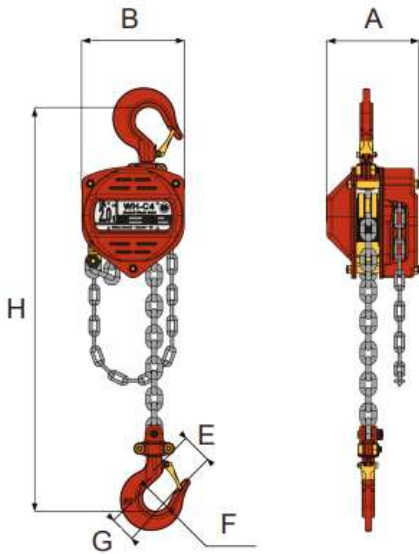
- WLL Range:  
500kg - 50t
- Proof Load Test:  
1.5 x WLL
- Safety Factor: 4:1
- Temp Range:  
-20°C to +120°C
- Sectors:
  - Construction
  - Industrial
  - Transportation
  - Entertainment

The WH C4 Chain Hoist is designed, manufactured and proof load tested in the UK. This tough, heavy duty manual hoist has created the foundations for other developed models such as the C4 QP and SS C4 QP.

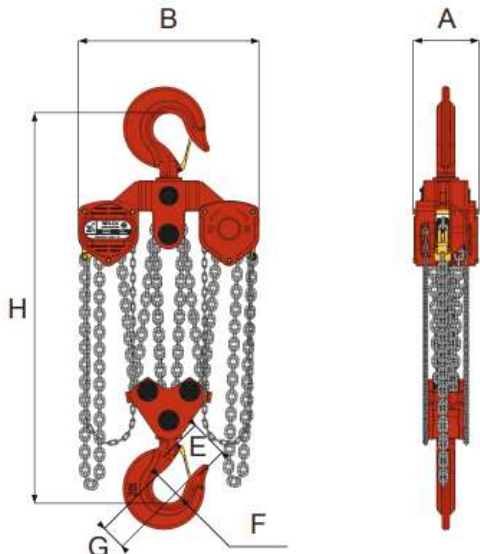
The WH C4 is perfect for everyday use or one-off lifts. We provide a full range of spare parts and can offer training on safe use and inspection.



Single Fall



Multi Fall



## Specifications

Part Code	WLL tonnes	No. of Falls	Load Chain mm	Hand Chain mm	Standard Lift m	A mm	B mm	E mm	F mm	G mm	H mm	Mass kg 3m HOL	Extra Weight per m kg
022.053	0.50	1	5 x 15	5 x 25	3	125	130	42.5	40	20.5	305	7.8	1.4
022.103	1.00	1	6 x 18	5 x 25	3	134	155	49.0	40	25.5	350	11.1	1.7
022.163	1.60	1	8 x 24	5 x 25	3	151	173	51.5	40	30.0	390	15.8	2.2
022.203	2.00	1	8 x 24	5 x 25	3	157	185	54.5	44	30.0	410	16.8	2.2
022.32D03	3.20	2	8 x 24	5 x 25	3	157	235	61.0	48	37.5	495	24.2	3.6
022.503	5.00	2	10 x 30	5 x 25	3	180	262	85.0	60	43.0	635	38.4	5.2

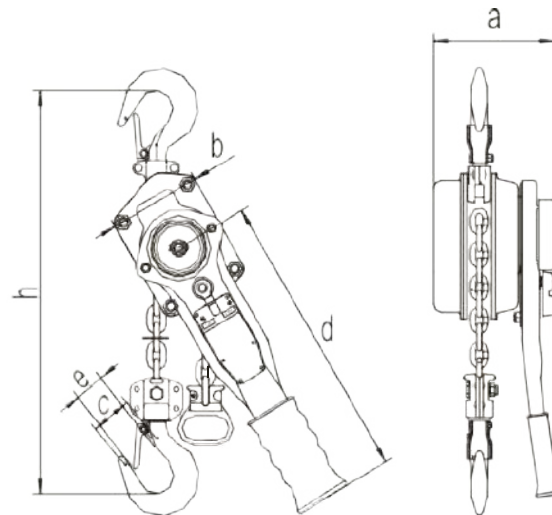
# rss Lever Hoists

**Lever Hoists**  
c/w 1.5 Mtr Height  
of Lift. Tested and  
certified.

Available from 250kg  
to 9 tonne

Standard length:  
1.5 metres,  
other lengths  
available on request

Industrial safety  
catches



Capacity (tonnes)	0.75	1	1.5	3	6	9
Proof Load (tonnes)	1.13	1.5	2.25	4.5	9	13.5
Load Chain (mm)	6x18	6x18	8x24	10x30	10x30	10x30
No. of Falls	1	1	1	1	2	3
Pull to Rated Load (N)	150	204	193	409	420	430
A	148	128	128	5	191	191
B	144	128	148	181	244	314
C	37	45	47	62	78	78
D	256	256	268	268	268	268
G	28	33	33.5	43.5	51	64
H	295	310	335	405	550	680
Net Weight (kg)	6.9	7.1	9.7	16.3	26.7	38.5
Weight of Load Chain (kg/M)	0.75	0.75	1.42	2.075	2.075	2.075

# rss L4 Lever Hoists

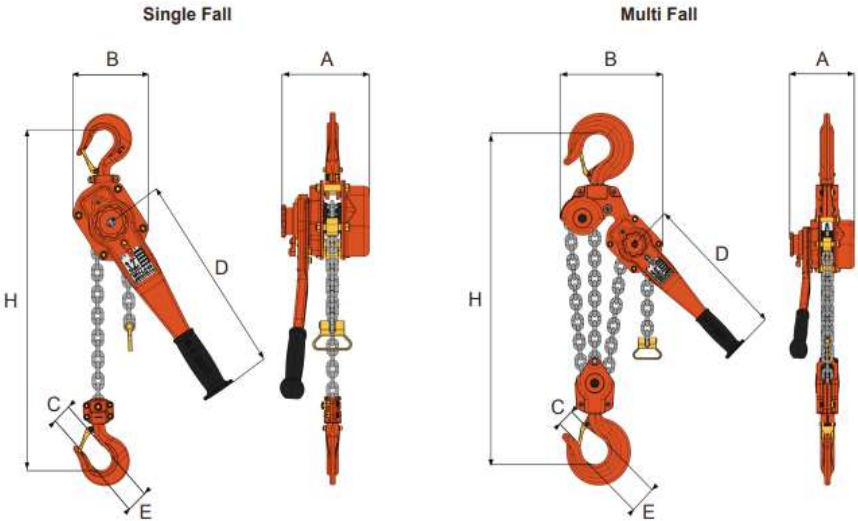


## L4 Lever Hoist

- WLL Range:  
800kg - 15t
- Proof Load Test:  
1.5 x WLL
- Safety Factor: 4:1
- Temp Range:  
-20°C to +120°C
- Sectors:
  - Construction
  - Industrial
  - Overhead Line
  - Entertainment

The L4 Lever Hoist is designed, manufactured and proof load tested in the UK.

This tough and robust lever hoist can lift or pull and is great for everyday use or one-off lifts. We provide a full range of spare parts and can offer training on safe use and inspection. The Shipyard Hook adaptation is available on request.



## Specifications

Part Code	WLL tonnes	No. of Falls	Load Chain mm	Standard Lift m	A mm	B mm	C mm	D mm	E mm	H mm	Mass Kg 1.5M HOL	Extra Weight per M kg
033.080	0.8	1	5.6 x 17	1.5	148.0	121	41.5	265	28.0	280	6.2	0.7
033.160	1.6	1	7.1 x 21	1.5	165.5	141	52.0	350	33.0	350	9.6	1.1
033.320	3.2	1	10 x 30	1.5	194.5	178	61.9	415	42.5	420	15.5	2.2
033.630	6.3	2	10 x 30	1.5	194.5	228	84.3	415	51.0	570	27.0	4.4
033.900	9.0	3	10 x 30	1.5	194.5	310	88.0	415	56.0	680	38.3	6.6
033/1500	15.0	6	10 x 30	1.5	194.5	420	-	415	80.0	1000	90.0	13.2



# rss Beam Clamps

## Beam Clamps

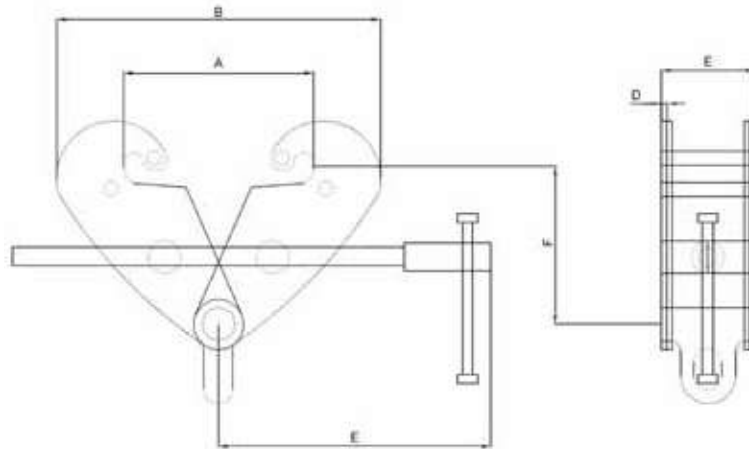
Adjustable Beam Clamps. Tested and certified.



Available from  
1 tonne to 10  
tonne

Easy screw bar  
to adjust beam  
widths

Large suspension  
eye



Capacity (tonnes)	1	2	3	5	10
Proof Load (tonnes)	1.5	3	4.5	7.5	15
I-Beam Width (mm)	75-220	75-220	80-320	80-320	80-350
A (max)	265	260	370	380	390
B (min)	184	185	220	222	234
B (max)	367	360	510	522	536
C	80	74	120	127	134
D	5	6	8	10	12
E	230	215	274	276	274
F (max)	173	155	227	222	245
F (min)	102	102	132	98	150
G	24	25	46	45	69
H	21	22	24	23.2	32.6
Weight (kg)	4	4.6	9.1	11	14.6
Weight with shackle (kg)	4.7	5.1	10.2	11.94	15.14

# rss WH Super Clamp

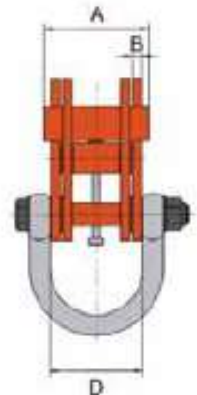
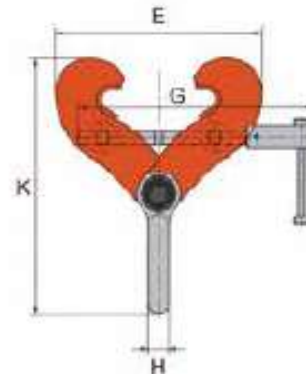
## WH Super Clamp

- WLL Range:  
2t - 15t
- Proof Load Test:  
2 x WLL
- Safety Factor: 4:1
- Temp Range:  
-20°C to +120°C
- Sectors:
  - Construction
  - Industrial
  - Oil and Gas
  - Utilities

The WH Super Clamp is designed, developed and tested in the UK.

This heavy-duty clamp is easy to assemble and can be used on any beam. It is fitted with a 'gusset' in both jaws maximising contact between the beam and clamp thus increasing the grip.

A shackle is fitted to the bottom allowing an easy connection of the hoist to be attached. This fixed jaw super clamp can be used to an angle of 45° to the vertical. We can offer training on safe use and inspection.



## Specifications

Part Code	Model No.	WLL tonnes	Beams Range mm	Max. Beam Thickness mm	A mm	B mm	D mm	E max mm	E min mm	G mm	K max mm	K min mm	H mm	Mass kg
027-200	WH-BC2	2.0	76-100	25	130	3	90	254	133	275	253	223	20	4.0
027-320	WH-BC3	3.2	76-100	25	130	12	102	275	160	275	289	251	20	8.0
027-320 E	WH-BC3V	3.2	105-300	25	130	12	102	438	228	560	375	294	25	11.6
027-400	WH-BC4	4.0	150-254	24	130	10	112	371	185	410	369	308	25	11.0
027-500	WH-BC5	5.0	76-100	24	130	12	110	309	191	295	338	300	25	10.0
027-500 E	WH-BC5V	5.0	150-305	24	130	10	110	402	264	410	410	360	25	15.0
027-600	WH-BC6	6.0	203-457	34	140	12	116	608	287	560	511	402	25	16.8
027-1000	WH-BC10	10.0	203-457	38	140	20	110	608	287	560	530	421	32	28.0
027-1600	WH-BC16	16.0	303-457	68	170	20	116.5	848	400	660	684	608	40	49.5
027-1500 E	WH-BC15V	15.0	408-610	68	170	20	116.5	800	660	810	812	708	40	58.5



# rss Beam Trolley

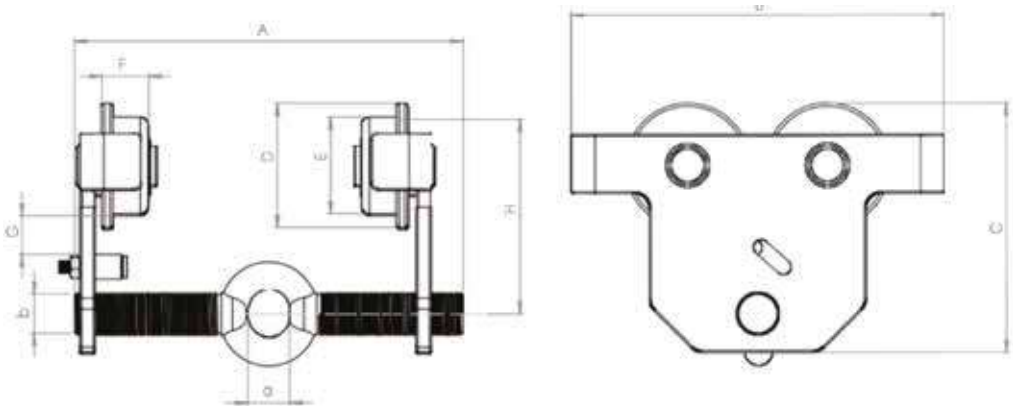
**Beam Trolley**  
Push Travel (Girder)  
Trolleys. Tested and  
certified.

Available from  
500kg to 5 tonne

Easy screw bar  
to adjust beam  
widths

Bearings on  
rollers

Large suspension  
eye



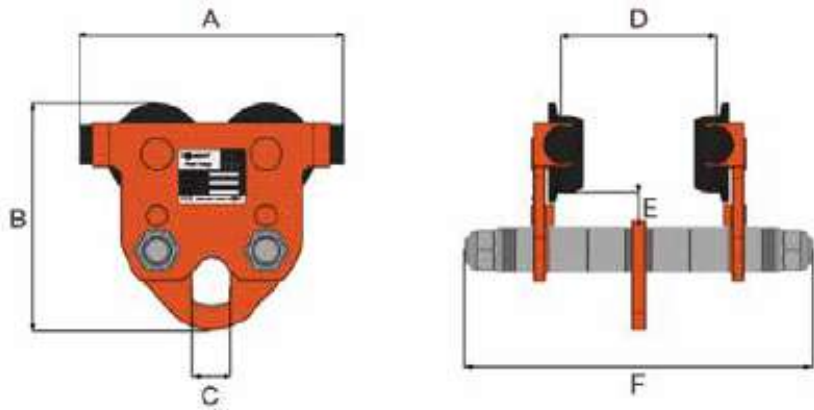
Capacity (tonnes)	0.5	1	2	3	5
Proof Load (tonnes)	0.75	1.5	3	4.5	7.5
I-Beam Width (mm)	50-220	58-220	66-220	74-220	90-220
A	292	306	310	332	360
B	200	240	280	335	375
C	158	185	208	248	295
D	79	93	108	129	144
E	57	68	80	100	110
F	27	30	35	39	50
G	7	8.5	10	11.5	12.5
H	65	70	75	98	100
a	24	30	35	46	50
b	27	34	46	57	62
Min. Radius Curve	1	1	1.1	1.3	1.4
Weight (kg)	4.8	8.38	13.4	22.4	36.6

# rss WH Push Trolley

## WH Push Trolley

- WLL Range:  
500kg - 10t
- Proof Load Test:  
1.5 x WLL
- Safety Factor: 4:1
- Temp Range:  
-20°C to +120°C
- Sectors:
  - Construction
  - Industrial
  - Utilities

The WH Push Trolley is designed, developed and tested in the UK. It has 2 bars which creates greater stability and has various sized spacers which are used to determine the distance between the 2 plates and the beam width. The trolley can be pushed along the beam and has rubber end stops to prevent damage. The hanging plate has a large eye which can accept various sized lifting hooks. We can offer training on safe use and inspection.



### Specifications

Part Code	WLL tonnes	Min. radius of Curve m	A mm	B mm	C mm	E mm	I Beam width D mm		F mm		Mass kg	
							Std. Range1	Ext. Range 2	Std. Range1	Ext. Range 2	Std. Range1	Ext. Range 2
047.050	0.50	0.60	188	109	22	29	50-203	-	294	-	6.9	-
047.100	1.00	0.90	221	120	30	29.5	64-203	64-305	308	412	9.0	10.0
047.200	2.00	1.00	266	226	36	30	88-203	88-305	327	431	14.8	16.0
047.300	3.00	1.00	304	279	45	45.5	100-203	100-305	351	457	25.2	27.7
047.500	5.00	1.00	401	311	55	50	114-203	114-305	368	470	38.3	42.0
047.1000	10.00	2.00	526	383.5	66	60	124-203	124-305	393	496	68.5	73.0



# rss Geared Beam Trolley

## Geared Beam Trolley

Tested and  
certified.

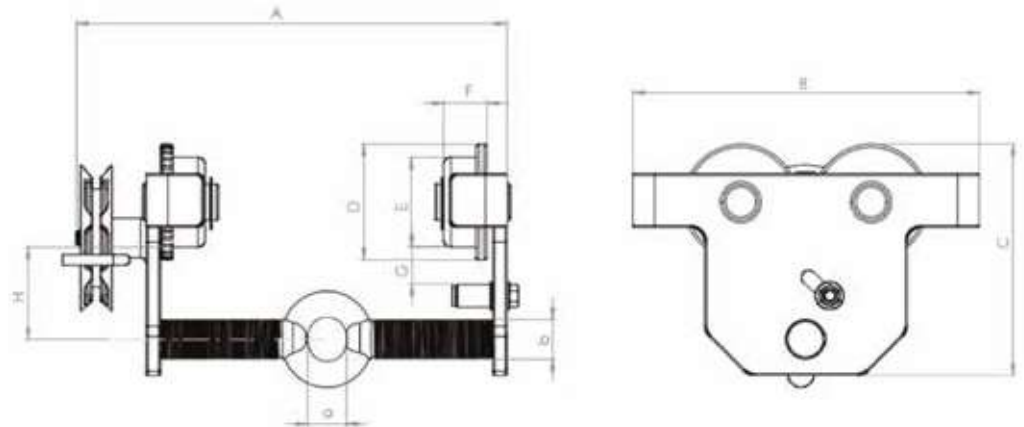


Available from  
500kg to 5 tonne

Easy screw bar  
to adjust beam  
widths

Bearings on  
rollers

Large suspension  
eye



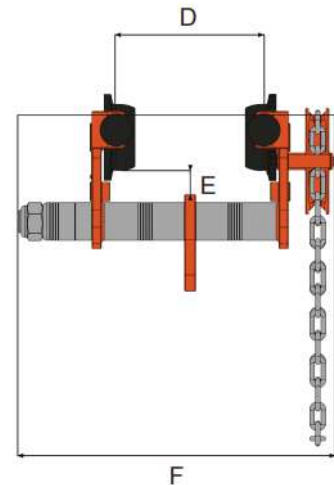
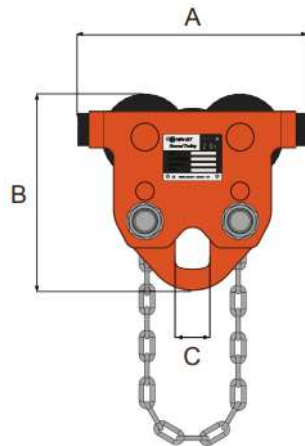
Capacity (tonnes)	1	2	3	5
Proof Load (tonnes)	1.5	3	4.5	7.5
I-Beam Width (mm)	58-220	66-220	74-220	90-220
A	362	366	380	415
B	237	279	326	375
C	181	208	248	295
D	93	108	129	144
E	67	80	100	110
F	30	35	39	50
G	8.5	10	11.5	12.5
H	70	75	98	100
a	30	35	46	50
b	34	46	55	62
Min. Radius Curve	1	1.1	1.3	1.4
Weight (kg)	12	17.2	26.7	40.4

# rss WH Geared Trolley

## WH Geared Trolley

- WLL Range:  
500kg - 10t
- Proof Load Test:  
1.5 x WLL
- Safety Factor: 4:1
- Temp Range:  
-20°C to +120°C
- Sectors:
  - Construction
  - Industrial
  - Oil and Gas
  - Utilities

The WH Geared Trolley is designed, developed and tested in the UK. It has 2 bars which creates greater stability and has various sized spacers which are used to determine the distance between the 2 plates and the beam width. The trolley is maneuvered along the beam by pulling the handchain which is attached to a drive gear. This is helpful when the trolley is suspended out of reach. We can offer training on safe use and inspection.



## Specifications

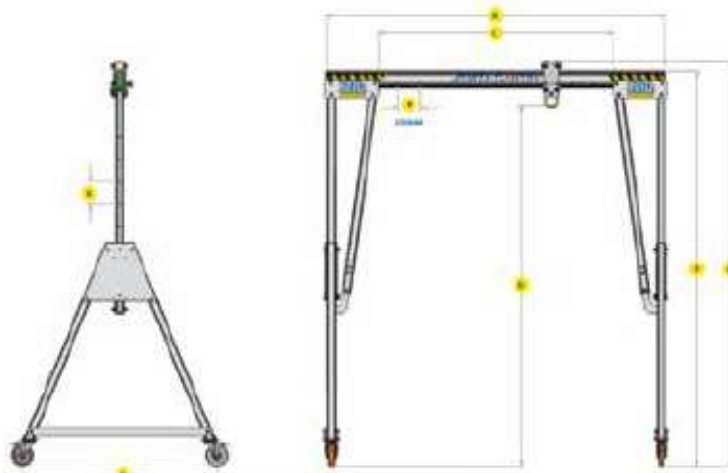
Part Code	WLL tonnes	Min radius of Curve m	A mm	B mm	C mm	E mm	I Beam width D mm		F mm		Mass kg	
							Sid. Range 1	Ext. Range 2	Sid. Range 1	Ext. Range 2	Sid. Range 1	Ext. Range 2
057.000	0.50	0.80	189	158	22	26	50-203	-	322	-	7.6	-
057.100	1.00	0.90	221	185	30	30	64-263	64-305	325	431	9.8	11.2
057.200	2.00	1.00	288	228	36	36	80-293	80-308	340	488	15.7	17.0
057.300	3.20	1.20	334	279	45	45.5	100-203	100-305	365	472	26.4	28.9
057.500	5.00	1.30	437	311	55	50	114-203	114-305	391	493	39.6	43.4
057.1000	10.00	2.00	525	383.5	65	60	124-203	124-305	400	505	70.5	75.0

# rss Aluminium Gantry



**PORTAGANTRY 500-5000**

- A Beam length
- B Beam adjustment
- C Clear opening space
- D Height of hanging base
- E Height of base
- F Height of hanging base
- G Height of base
- H Width
- I Height of base of stand



Standard Beam Length (mm) (Clear Opening Size  $L = A - 810$  mm)

# (mm)	1100	1500	1815	2170	2500	3000	4482	5000
C 2400 (mm)	1140	1540	2100	2000	2910	3480	3880	4180
G (Max) (mm)	1180	1580	2100	2040	2950	3520	3920	4220
Wt (kg)	30	32	35	38	42	48	55	60
Wt (kg)	30	32	35	38	42	48	55	60
Wt (kg)	30	32	35	38	42	48	55	60
Wt (kg)	30	32	35	38	42	48	55	60
Wt (kg)	30	32	35	38	42	48	55	60

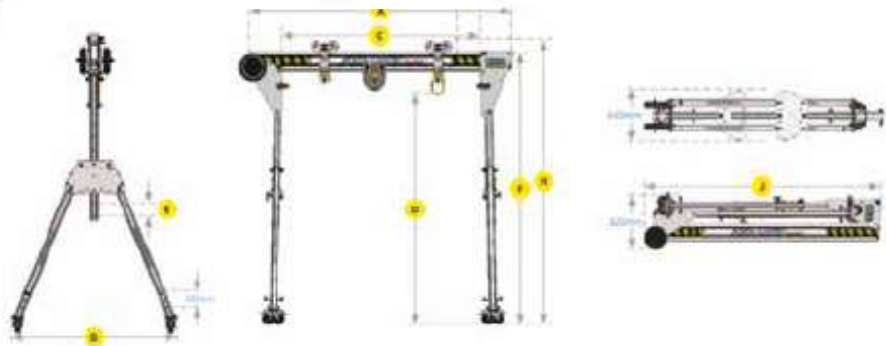
Weight of Beams (kg)

# rss Aluminium Gantry



## PORTA GANTRY (RANGE) 250-500

- A Beam length
- B Beam adjustment
- C Clear operating span
- D Height to lifting eye
- E Height increment
- F Height to top of beam
- G Width
- H Height to top of roller
- I Trolley dimensions



Dimensions [mm]

WLL

Product Code	A Beam Length	B Beam Adjustment	CMin Clear Operating Span	CMax Clear Operating Span	DMin Height to lifting eye	DMax Height to lifting eye	E Height increment	FMin Height to top of beam	FMax Height to top of beam	G Width	HMin Height to top of roller	HMax Height to top of roller	J Folding dimensions	Unit Weight*** [kg]	Goods Capacity [kg]	Fall Arrest Capacity**	Personnel Positioning** [kg]
PGRS20	2000	2 x 200	1100	1500	1445	2045	6 x 100	1776	2376	1158	1856	2456	2080	37	500	3	250
PGRS23	2300	3 x 200	1200	1800									2380	38	400	2	200
PGRS40	4000	3 x 200	2900	3500									4080	43	250	1	125
PGRM20	2000	2 x 200	1100	1500	1449	2149	7 x 100	1780	2480	1215	1860	2560	2080	38	400	2	200
PGRM23	2300	3 x 200	1200	1800									2380	38			
PGRM40	4000	3 x 200	2900	3500									4080	44			
PGR720*	2000	2 x 200	665	1065	1923	2923	10 x 100	2254	3254	1586	2334	3334	2645	42	250	1	125
PGR723*	2300	3 x 200	765	1365									2380	43			
PGR740*	4000	3 x 200	2465	3065									4080	48			

\*Trolley stops fitted to beam \*\*Ratings using European standards. Contact REID for other standards. \*\*\* Weight includes castor inserts.

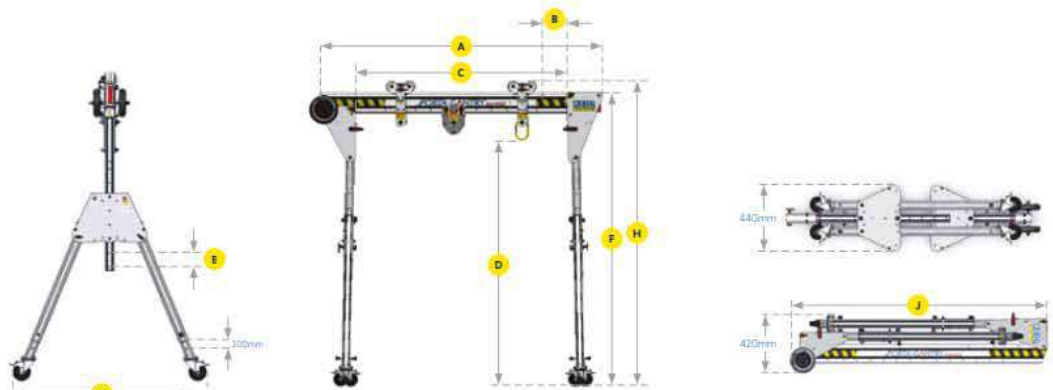


# rss Aluminium Gantry



## PORTAGANTRY<sup>®</sup> RAPIDE<sup>®</sup> 1000

- A** Beam length
- B** Beam adjustment
- C** Clear operating span
- D** Height to lifting eye
- E** Height increment
- F** Height to top of beam
- G** Width
- H** Height to top of roller
- J** Folding dimensions



Dimensions [mm]

WLL

Product Code	A Beam Length	B Beam Adjustment	CMin Clear Operating Span	CMax Clear Operating Span	DMin Height to lifting eye	DMax Height to lifting eye	E Height increment	FMin Height to top of beam	FMax Height to top of beam	G Width	HMin Height to top of roller	HMax Height to top of roller	J Folding dimensions	Unit Weight*** [kg]	Goods Capacity [kg]	Fall Arrest Capacity**	Personnel Positioning** [kg]
PGR1TS20	2000	2 x 200	1102	1502	1496	1996	5 x 100	1822	2322	1270	1904	2404	2077	52	1000	3	500
PGR1TS30	3000	3 x 200	1902	2502									3077	57	1000	3	500
PGR1TS40	4000	3 x 200	2902	3502									4077	61	1000	3	500
PGR1TM20	2000	2 x 200	1102	1502	1735	2435	7 x 100	2061	2761	1484	2143	2843	2200	56	1000	3	500
PGR1TM30	3000	3 x 200	1902	2502									3077	60	1000	3	500
PGR1TM40	4000	3 x 200	2902	3502									4077	65	1000	3	500
PGR1TT20*	2000	2 x 200	665	1065	1975	2875	9 x 100	2301	3201	1698	2383	3283	2830	60	1000	3	500
PGR1TT30*	3000	3 x 200	1465	2065									3077	64	1000	3	500
PGR1TT40*	4000	3 x 200	2465	3065									4077	69	1000	3	500

\*Trolley stops fitted to beam. \*\*Ratings using European standards. Contact REID for other standards. \*\*\* Weight includes castor inserts.

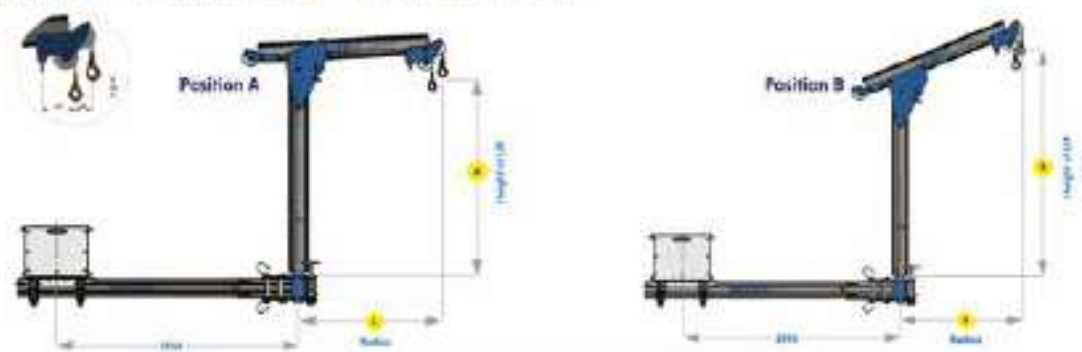
**TDAVIT**

Our TDAVIT is both lightweight and portable. It is available in a wide range of standard sizes but can also be custom-designed to meet any bespoke requirements.

Truly pioneering, it offers a lifting capacity of up to 600kg and 360° rotation under a full load.



PORTARASE Counterbalance | TDAVIT Double Winched



PRODUCT CODE	HEIGHT ON LIFT (m) (mm)		RADIUS (mm)		WLL			HEIGHT OF LIFT
	Position A	Position B	Position A	Position B	Goods (kg)	Personnel (kg)	Net Weight	
TDAVIT001	1100	1300	500	300	400	200	Lightweight	10
TDAVIT002	1100	1400	500	300	500	250	Lightweight	12
TDAVIT003	1400	1600	600	350	600	300	Lightweight	15
TDAVIT004	1400	1700	800	400	800	400	Lightweight	18
TDAVIT005	1700	1900	1000	500	1000	500	Lightweight	20
TDAVIT006	1700	2000	1200	600	1200	600	Lightweight	22

## PortaDavit

Our PortaDavit Quantum is a rapidly deployable, lightweight solution to heavy lifting and lowering of goods and personnel.

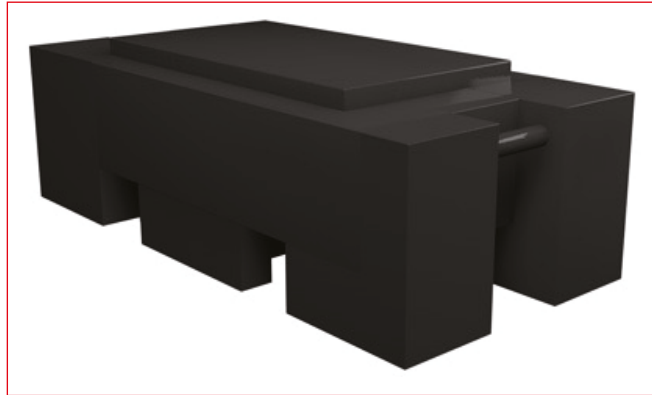
Weighing from just 18.5kg when fully assembled, it can be manually operated by one person while maintaining a lifting capacity of up to 600kg.



# rss Test Weights

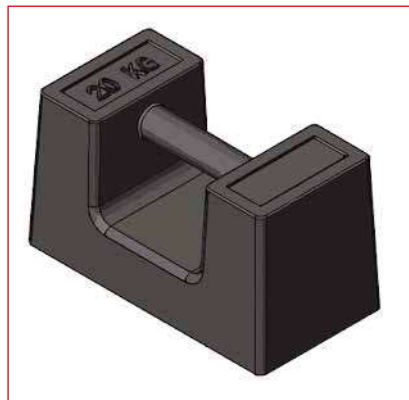
## Slab Test Weights

- Cast iron centre with steel calibration chamber.
- Black lacquer paint finish.
- Stackable.
- Manoeuvrable via forklift.
- 2 integral lifting points.
- Marked with weight.
- Certification states calibration.
- Certs available 2.1
- Available in 250kg, 500kg, 1tonne, 2tonne and 5tonne



## 20kg Hand Test Weights

- Cast iron.
- Black lacquer paint finish.
- Marked with weight.
- Certification states calibration
- Certs available 2.1



## Hand test weight trolley



## Load Link

Accurate and reliable tensile load monitoring for lifting applications.

Suitable for all industry sectors including marine, offshore and subsea. Due to the robust, lightweight high tensile aluminium design these load links are ideal for mobile applications and available as either cabled or wireless with a range of options.

Retro-fit load monitoring to existing applications where shackles are already available and fits all major shackle manufacturers including Van Beest, Crosby and GN Rope.



### Options



Wireless &  
Internal Antenna



Matched Telemetry  
Displays



Want this item



Cabled with 49.2ft  
Flying cable

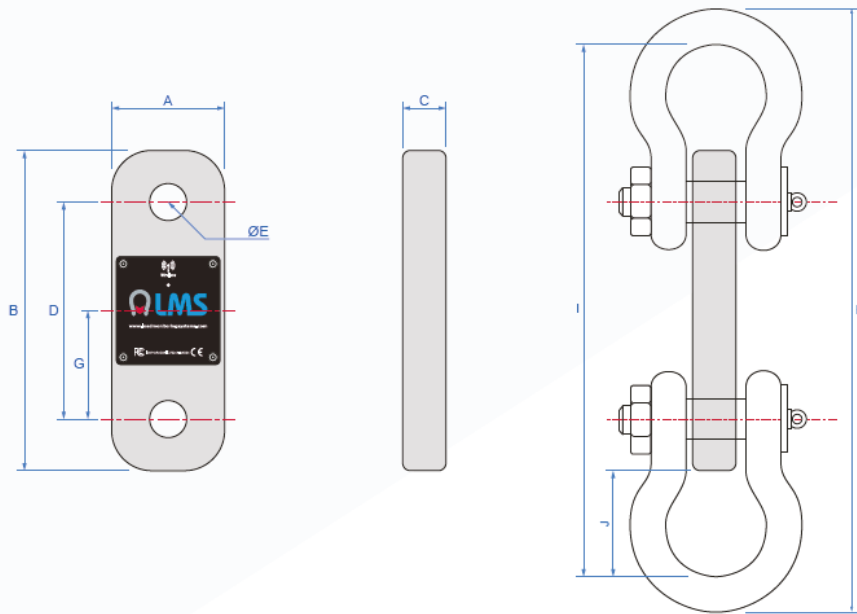


2.8 Data Logging  
Software Available



ATEX version

# rss Load Measuring



Load Link Dimensions mm																
Capacity Tonne	1	3.25	6.5	13.5	17	25	35	55	85	100	150	200	250	300	400	500
A	52	60	84	84	93	127	137	163	198	236	272	331	353	398	490	540
B	151	183	238	292	302	332	386	466	518	610	695	769	829	937	1037	1137
C	31	31	32	45	50	60	70	75	104	105	136	150	175	190	198	198
D	117	133	162	182	182	206	226	286	310	350	395	419	469	517	547	607
ØE	12	20	27	40	43	55	61	75	86	100	118	135	145	158	180	190
G	58.5	66.5	81	91	91	103	113	143	155	175	197.5	209.5	234.5	258.5	273.5	303.5
Weight (kg)	0.35	0.65	1.35	2.3	3	5.7	8.25	16	23.45	36.05	59.5	89.5	123.5	167	251	311
Load Link & Shackle Dimensions mm																
H	221	312	397	556	592	702	777	1006	1201	1435	1533	1815	1977	2183	2398	2588
I	201	280	353	486	516	612	677	876	1051	1245	1323	1575	1717	1903	2058	2228
J	25	48.5	57.5	97	107	140	145.5	205	266.5	317.5	314	403	444	483	510.5	545.5
Combined Weight (kg)	0.67	2.13	4.89	15.38	19.38	34.14	47.31	95.18	147.45	256.05	409.5	559.5	693.5	847	1371	1681
Kit Weight (kg)	2.5	6	5	6	6.7	9.5	12	23	30	47	74	106.15	140.15	183.65	267.65	327.65

## Compressive Load Cell

Compressive load monitoring indoors, outdoors or subsea.

Perfectly at home in the laboratory or hostile marine environment, the compact and robust stainless steel design can be used for weighing, force measurement and calibration.

Standard capacities from 2Te to 1000Te, accuracy better than 1% and each unit proof loaded to 200% (LOLER compliant) and certified.



### Options



Wireless &  
Internal Antenna



Matched Telemetry  
Displays



Rent this item



Cabled with 49.2ft  
flying cable



Data Logging  
Software Available



ATEX version

## Features

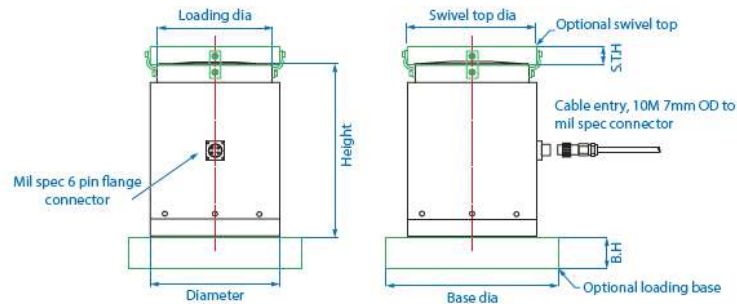
- Cells designed to your application
- Safety factor of 5:1
- Operating temperature -20°C to +80°C as standard
- Enclosure IP67 rated
- Output options include mV, mA, V, RS232 with others available, on request
- Single, dual and redundant bridge designs
- Extra support base flanges available on request
- Plug-in connector versions available
- Integral signal conditioning available
- Subsea variants available on request



Supplied with domed top and spherical loading cap



Cabled versions with 10m glanded exit flying cable as standard. Other lengths available on request.



## Typical Load Cell Sizes

Capacity (Tonne)		50	100	200	300	500	1000
Diameter (mm)	øA	75	120	125	150	200	290
Height (mm)	B	110	142	180	180	300	425
Loading Diameter (mm)	øC	60	90	110	130	170	250
Spherical Cap Diameter (mm)	øF	65	93	125	150	200	290
Spherical Cap Height (mm)	G	10	18	30	30	50	50

These sizes are a guide, larger or smaller sizes are available. We can design and manufacture a load cell to suit your exact application so that you achieve the maximum performance.

## New Centre of Gravity Feature

The Centre of Gravity (COG) function found within T24LOG100 gives you the tools to quickly calculate and visualise centre of gravity from up to eight sources of weight data. Choose your weight data, specify the X and Y co-ordinates and let LOG100 do the work to calculate and display the position of COG.



with a free HHP App for iOS and Android



## Air Skates

Air skates are an innovative and cost-effective solution for moving heavy loads

Air skates are robust, low profile, high capacity load-moving modules used in sets of four or more to enable large or heavy objects to be moved with ease.



## Modular Air Bearing System (MLS) TECHNICAL INFORMATION

Type <sup>1</sup>	Capacity per set of 4 <sup>2</sup>		Air consumption <sup>3</sup>		A mm	B mm	C mm	D in	E <sup>5</sup> in
	kg	lbs	NI/min	SCFM					
MLS 412X-S-A	7000	15400	1120	39	304	31/51 <sup>4</sup>	15	1/2	1
MLS 415X-S-A	10000	22000	2200	77	380	31/51 <sup>4</sup>	20	1/2	1
MLS 418X-S-A	11200	24200	2600	92	457	58	20	3/4	1
MLS 421X-S-A	14000	31000	3000	106	534	58	25	3/4	1
MLS 427X-S-A	24000	53000	3400	120	684	65	35	3/4	1 1/2
MLS 436X-S-A	44000	97000	4000	141	914	71	50	3/4	1 1/2
MLS 418X-H-A	20000	44000	4600	162	457	58	20	3/4	1
MLS 421X-H-A	28000	62000	5200	184	534	58	25	3/4	1 1/2
MLS 427X-H-A	48000	106000	6000	212	684	65	35	3/4	1 1/2
MLS 436X-H-A	80000	176000	7000	247	914	71	50	1	1 1/2
MLS 442X-H-A	120000	265000	7500	262	1070	71	65	1	2
MLS 448X-H-A	160000	353000	8000	282	1220	71	75	1	2
MLS 460X-H-A	240000	528000	11000	388	1505	71	75	1	2

Type <sup>1</sup>	Capacity per set of 6 <sup>2</sup>		Air consumption <sup>3</sup>		A mm	B mm	C mm	D in	E <sup>5</sup> in
	kg	lbs	NI/min	SCFM					
MLS 612X-S-A	10500	23000	1680	59	304	31/51 <sup>4</sup>	15	1/2	1
MLS 615X-S-A	15000	33000	3300	116	380	31/51 <sup>4</sup>	20	1/2	1
MLS 618X-S-A	16800	37000	3600	126	457	58	20	3/4	1 1/2
MLS 621X-S-A	21000	46000	4500	158	534	58	25	3/4	1 1/2
MLS 627X-S-A	36000	79000	5100	179	684	65	35	3/4	1 1/2
MLS 636X-S-A	66000	145000	6000	210	914	71	50	3/4	1 1/2
MLS 618X-H-A	30000	66000	6300	221	457	58	20	3/4	1 1/2
MLS 621X-H-A	42000	92000	7800	273	534	58	25	3/4	1 1/2
MLS 627X-H-A	72000	158000	9000	315	684	65	35	3/4	1 1/2
MLS 636X-H-A	120000	264000	10500	368	914	71	50	1	2
MLS 642X-H-A	180000	396000	11100	389	1070	71	65	1	2
MLS 648X-H-A	240000	529000	12000	420	1220	71	75	1	2
MLS 660X-H-A	360000	792000	16500	582	1500	71	75	1	2

- 1) A' refers to standard plastic support bars under the control unit. Other features are available under 'Options' below.
- 2) The modules must be placed under the load so that each one sees no more than one quarter of the full system capacity.
- 3) These figures refer to good floor conditions, i.e. power-trowelled and sealed concrete surfaces.
- 4) Cast aluminium/Extruded aluminium construction.
- 5) Supply hose ID and shut-off-valve thread size.

with a free HHP App for iOS and Android

# rss Electric Hoists

## Minifor electric hoists

- Safe operation:  
Brake motor.  
Pendant control  
station with  
emergency stop.  
Adjustable upper &  
lower limit switches
- Options:  
Radio control  
Sheave block kit  
Spring reeler (20m  
or 35m)

- Capacities: 100, 300, 500 and 950kg
- No limit to the length of the lifting wire rope
- Easy to handle, very compact & lightweight
- Carrying handle
- Quick set up with swivelling suspension hook
- Multiposition: lifting or pulling
- Reduced maintenance
- Sturdy design
- IP 55 protection
- Single phase or three-phase version



Complies with:  
European directive: 98/37  
European standard: EN 292

## Tirak electric hoists

- Capacities: 300, 500 800, 980, 2000 & 3000kg
- Very compact & lightweight
- No limit to the length of the lifting wire rope
- Available with winder for long wire rope
- Multiposition: adapts to all lifting configurations
- Pulls in both directions at nominal load in the T 1000 version
- IP 55 protection
- Single phase (except X2000, 3000) or three-phase versions (all models)
- Various speeds
- Pneumatic version: 300, 500, 800, 980, 2000 & 3000kg
- Additional capacities by reeling



Complies with:  
European directive: 98/37  
European standard: EN 292

## CM Lodestar Electric chain hoist

**Capacity**  
250kg - 3000kg  
110v, 230v & 400v

The Lodestar hoist is a tough and durable electric chain hoist, designed to keep working in the most arduous applications. This hoist is recognised and proven within the hire industry as the number one hoist, where high duty, combined with long heights of lift are required. From hook suspension in the rental industry to trolley mounted in a factory production line, the Lodestar has a proven reputation as the solution for industrial strength lifting.

**Standard operating voltage:**  
110v 1ph 50Hz, 230v 1ph 50Hz, and 400v 3ph 50Hz.

**Standard operating temperature**  
-10° to +65°C

### Features:

- Tough lightweight aluminium alloy covers totally enclose the mechanical and electrical components providing protection and efficient heat dissipation. The design enables easy access for installation and service.
- Adjustable upper and lower limit switches.
- 48v control, IP65 pendant as standard (Hoist is IP54).
- Thermal overload protection as standard.
- FEM classification 2m (40% duty - 24 minutes continuous use per hour).
- Motor classification H4.
- Excellent closed height dimensions.
- A lifetime lubricated gearbox contributes to exceptional service and maintenance characteristics.
- Load hook with axial bearing.
- Ideal for long heights of lifts.
- Large frame, single phase hoists are supplied with handles and 1mtr supply cable with Cee-Form plug.





# rss Electric Hoists

## Scaffold hoist



2 Bucket carrier



4 Bucket carrier



Brick basket



Bucket

### ET 200N

Maximum capacity	kg	200
Av. full load lifting speed	m/min	19
Max. working height	m	30
Ø steel rope	mm	5
Rope length	m	31
Electric power supply	V / Hz	230 / 50 Sph 110 / 50 Sph
Motor power rate	kW	0.75
Motor speed	rpm	1380
Running current 230 V (110 V)	A	7.2 (14)
Machine weight	kg	42
SPL in operator's position	dB(A)	<70
Dimensions w/l/h	mm	330/770/520
Packing dimensions w/l/h	mm	350/820/500

# rss Niko Scaffolding Runway System

## The Scaffolding Runway System

is unique to Niko Ltd and provides a solution for lifting and moving loads throughout a scaffolding support structure.

### Features

- Clamps to existing scaffolding structure
- Lift and move loads up to 2000kg
- Cantilever over the end of the scaffolding
- Available in straight and curved sections
- Change direction with junction switches
- Suspend a bridge from 2 runways to create a crane system
- Supplied in kit form for ease of installation, extension and relocation
- Some components approved to EN795 for fall arrest

SWL (kg)	NIKO Profile	Support Centres (m)	Trolley Type
100	24.000	1.5	24.T48
250	25.000	1.5	25.T48
500	26.000	1.5	26.T48
1000	27.000	1.5	27.T48
1600	27.000	1	27.T24
2000	27.000	0.75	27.T49



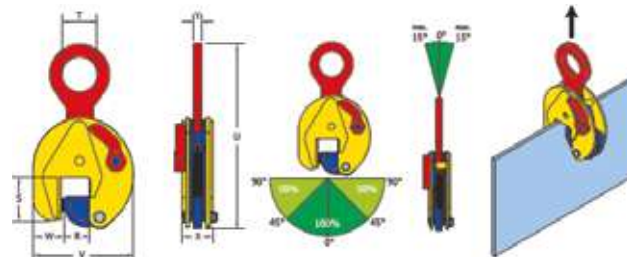
# rss Plate Clamps

## Heavy duty lightweight vertical lifting clamp

Application:

- For vertical lifting, transporting and turning of all steel plates and structures
- Jaw openings available from: 0 to 150 mm
- TSE/STS types are supplied with enlarged jaw-opening
- Working load limit (WLL) 750 - 30000 kg (Higher WLL available upon request)
- Min. WLL is 10% of max. WLL

Note: The plate surface of the material must have a hardness level of max. HRC 37/345 Hb



Article No.	Type	Capacity (kg/pc)	Jaw opening (R) (mm)	Dimensions in mm							Weight (kg/pc)
				S	T	U	V	W	X	Y	
850000	0.75 TS	750	0 - 13	47	30	202	100	37	37	10	1.7
850880	1 TSE	1000	0 - 25	56	45	263	141	37	47	15	3.5
850901	2 TSE *	2000	0 - 35	78	64	326	183	56	56	16	7
850331	3 TSE *	3000	0 - 35	78	64	326	183	56	56	16	7
850441	4.5 TS	4500	0 - 25	85	70	423	203	60	77	20	15
850451	4.5 TSE	4500	0 - 45	85	70	425	238	60	78	20	14
850301	6 TS	6000	0 - 32	114	75	490	225	78	78	20	18
851411	6 TSE	6000	0 - 50	114	75	490	259	82	78	20	21
850401	7.5 TS	7500	0 - 40	111	75	530	246	76	82	20	24
851501	7.5 TSE	7500	0 - 55	111	75	522	267	70	86	20	26
851551	9 TS	9000	0 - 55	111	75	522	267	70	86	20	27
850501	12 TS	12000	0 - 52	148	85	617	295	100	94	44	37
915000	15 TS	15000	0 - 76	209	86	810	373	136	106	49	70
917000	17 TS	17000	0 - 76	209	86	810	373	136	106	49	71
920000	20 TS	20000	0 - 80	250	100	923	563	153	140	66	149
925000	25 TS	25000	5 - 85	250	100	925	563	148	140	66	149
930000	30 TS	30000	10 - 90	250	100	918	568	153	142	66	155.5

## Best selling lightweight heavy duty clamp for universal lifting

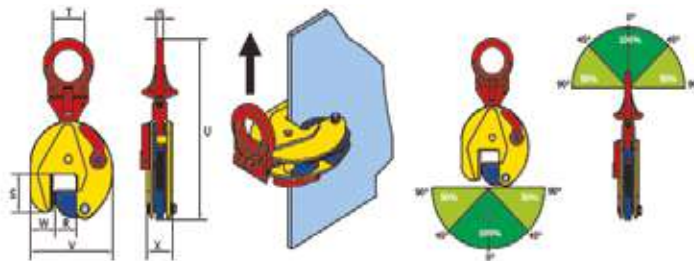
Application:

- For vertical lifting, transporting and turning of all steel plates and structures

from all positions

- Jaw openings available from: 0 to 150 mm
- TSEU / STSU types are supplied with enlarged jaw opening
- Working load limit (WLL) 750 - 30000 kg (Higher WLL available upon request)
- Min. WLL is 10% of max. WLL

Note: The plate surface of the material must have a hardness level of max. HRC 37/345 Hb



\* Remote control

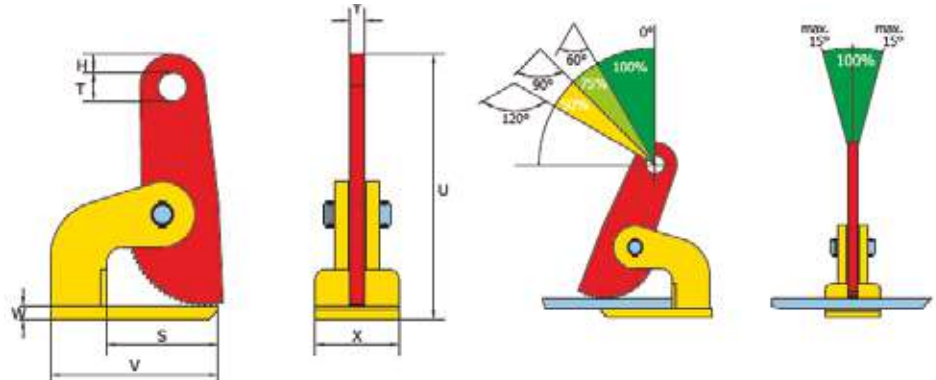
Article No.	Type	Capacity (kg/pc)	Jaw opening (R) (mm)	Dimensions in mm							Weight (kg/pc)
				S	T	U	V	W	X	Y	
855000	0.75 TSU	750	0 - 13	47	30	203	100	37	37	10	1.8
865800	1 TSU	1000	0 - 25	56	50	292	141	37	47	15	3.8
855601	2 TSU *	2000	0 - 35	78	70	372	183	56	56	16	8
865331	3 TSU *	3000	0 - 35	78	70	372	183	56	56	16	8
865441	4.5 TSU	4500	0 - 25	85	70	429	203	60	77	20	16
865301	4.5 TSU	4500	0 - 45	85	70	431	228	60	78	20	16.5
865401	6 TSU	6000	0 - 32	114	78	528	225	78	78	32	22
865411	6 TSU	6000	0 - 50	114	78	527	259	82	78	32	24
865601	7.5 TSU	7500	0 - 40	111	78	567	246	76	82	32	27
855400	7.5 TSU	7500	0 - 55	111	78	560	267	70	86	32	28
855405	9 TSU	9000	0 - 55	111	78	560	267	70	86	32	29
865901	12 TSU	12000	0 - 52	148	85	648	295	100	94	48	41
955150	15 TSU	15000	0 - 76	209	85	816	373	136	106	48	73
955170	17 TSU	17000	0 - 76	209	85	816	373	136	106	48	74
955200	20 TSU	20000	0 - 80	250	100	948	563	153	140	71	160
955250	25 TSU	25000	5 - 85	250	100	948	563	148	140	71	160
955300	30 TSU	30000	10 - 90	250	100	944	568	153	142	71	167

# rss Plate Clamps

## Lightweight heavy duty clamp for horizontal lifting

### Application:

- For horizontal lifting and transporting of steel plates and other non-deflecting materials
- Terrier FHX/FHSX lifting clamps must always be used with a minimum of 2 pieces or with multiples thereof.
- Jaw openings available from: 0 to 150 mm
- FHSX types are supplied with enlarged jaw opening
- Working load limit (WLL) 1000 - 25000 kg per pair (Higher WLL available upon request)



Article Nr.	Type	Capacity (kg/pair)	Jaw opening (R) (mm)	Dimensions in mm								Weight (kg/pc)
				V	S	W	T	H	X	U	Y	
953100	1 FHX	1000	0 - 35	140	99	10	25	11,5	65	188	15	2,6
953200	2 FHX	2000	0 - 60	180	118	15	30,5	19,5	90	287	16	7
953300	3 FHX	3000	0 - 60	180	118	20	30,5	19,5	90	291	16	8
953400	4 FHX	4000	0 - 60	220	145	25	30,5	19,5	105	304	20	13
953600	6 FHX	6000	0 - 60	220	145	25	30,5	19,5	110	307	20	14
953800	8 FHX	8000	0 - 60	225	135	35	30,5	19,5	120	336	30	19
953010	10 FHX	10000	0 - 60	225	135	35	30,5	19,5	120	336	30	19
953012	12 FHX	12000	0 - 60	225	135	35	30,5	19,5	120	336	30	19
953015	15 FHX	15000	0 - 60	262	147	35	43	21,5	160	344	35	30
953025	25 FHX	25000	0 - 60	262	147	40	43	21,5	175	349	35	33

## TPM Permanent Lifting Magnets

Ideal tools for easy, quick and economical transport of heavy objects made from ferro-magnetic material.



Model	Flat material			Round material			Tear off force	Dimensions				Weight
	Maximum capacity WLL	Minimum thickness to obtain max. WLL	Maximum length of material	Maximum capacity WLL	Diameter	Maximum length of material		A	B	C	D	
	kg**	mm**	mm	kg**	mm	mm	kg	mm	mm	mm	mm	kg
TPM 0.1	100	14	2000	50	40-300	2000	300	122	69	185	160	5.3
TPM 0.3	300	20	2500	150	60-300	2500	900	192	95	225	250	13.5
TPM 0.5	500	24	3000	250	60-400	3000	1500	232	120	270	250	27.5
TPM 0.8	800	34	3500	400	60-400	3500	2400	302	154	320	450	52
TPM 1.0	1000	40	3500	500	80-400	3500	3000	332	154	320	450	57

**\*\*Maximum lifting capacity is achieved by using mild steels with the noted minimum thickness.**  
Mild steel st37 - Fe 360 to BS EN 10 025 1990 (DIN 17100).



# rss Modular Spreader Beams

## The Standard Range

### Load v Span Chart - Modulift Spreader Beam Standard Range

What size shackle  
do I need?

#### MOD 6

Top: 4.75t  
Lower: 3.25t

#### MOD 12

Top: 8.5t  
Lower: 6.5t

#### MOD 24

Top: 17t  
Lower: 12t

#### MOD 34

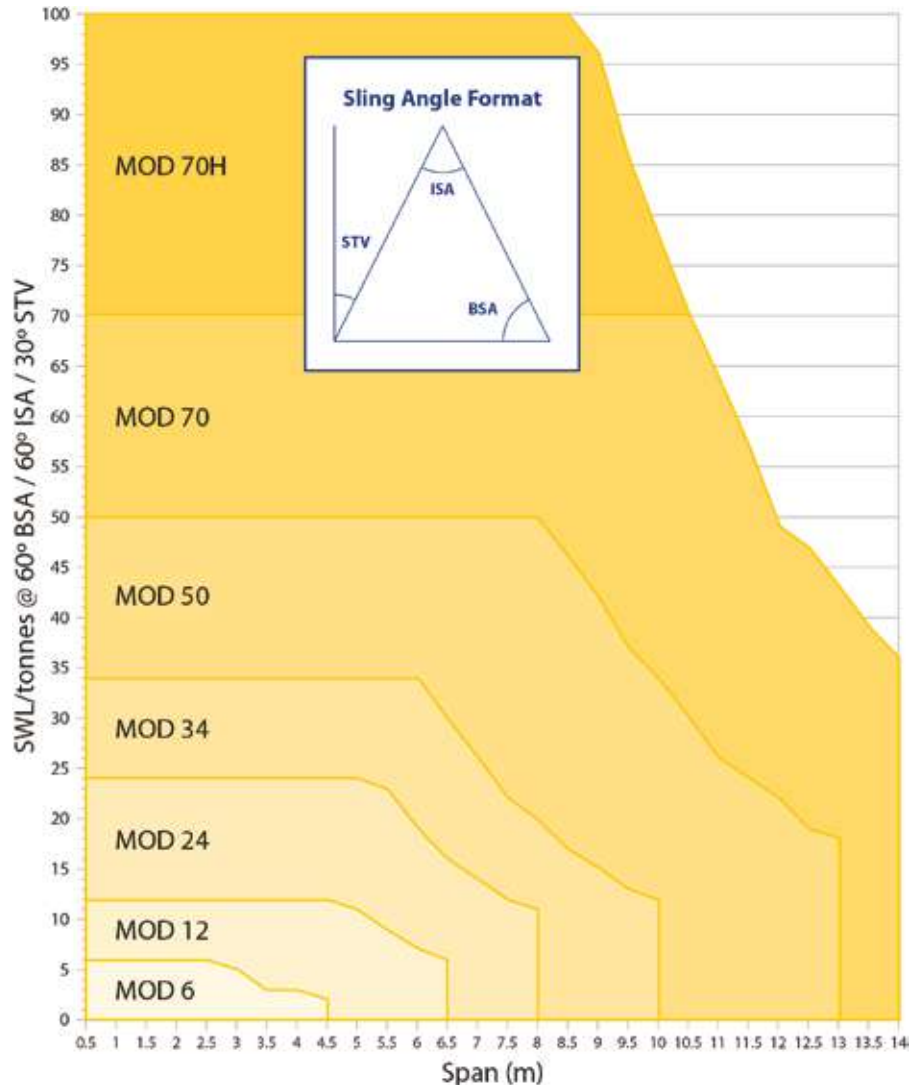
Top: 25t  
Lower: 17t

#### MOD 50

Top: 35t  
Lower: 25t

#### MOD 70/H

Top: 55t/85t  
Lower: 35t/55t



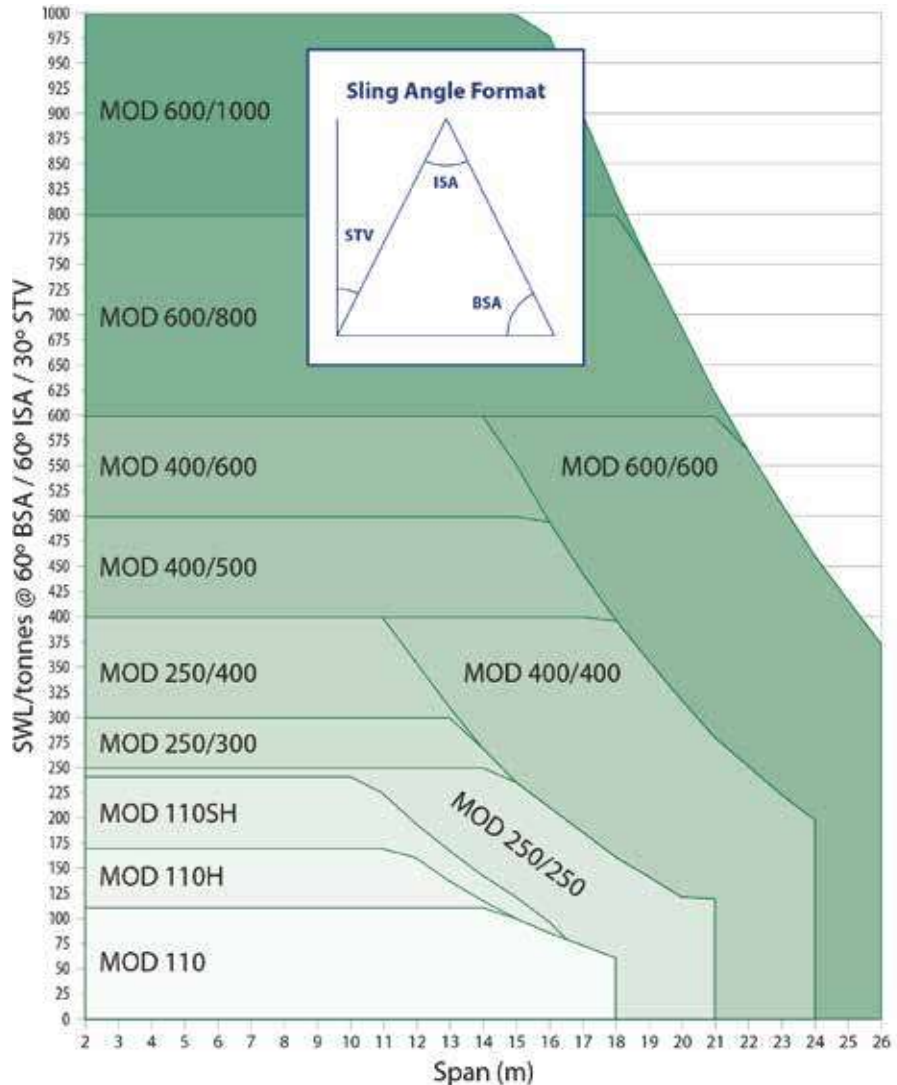
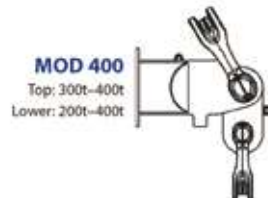
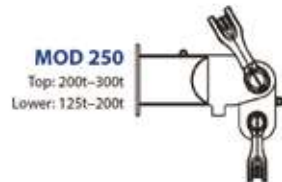


# rss Modular Spreader Beams

## The Heavy Range

### Load v Span Chart - Modulift Spreader Beam Heavy Range

What size shackle  
do I need?



# rss CMOD Spreader Frames

## System Benefits

- More cost effective and easier to transport than a fixed system
- Easy to set up, handle and manoeuvre
- Re-configure the frame to any size to allow for multiple uses

## System Specifications

The CMOD comes in the following sizes: CMOD 6, CMOD 12, CMOD 24, CMOD 34, CMOD 50, CMOD 70, CMOD 110 and CMOD 250.

It spans from 0.5m/1'6" x 0.5m/1'6" to 20m/66' x 20m/66', whilst adapting to all rectangular shapes in between. The systems will lift up to 300t\*

*\* The system's SWL will de-rate as the shape of the frame becomes 'more rectangular'. Higher capacities and longer spans are in development.*

## Modulift's CMOD Spreader Frame works with existing struts from the Spreader Beam Range

Spreader Frames are recommended for loads that have more than two lifting points; they can also be the ideal lifting equipment for when headroom is limited.

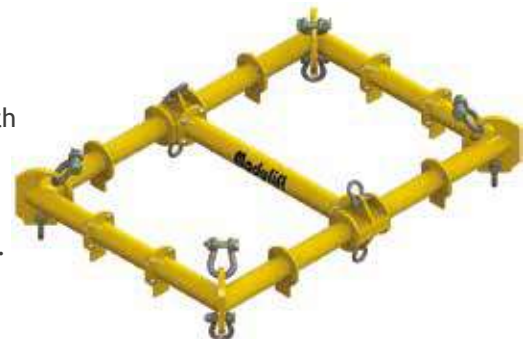


Modulift's most economical option is the CMOD Modular Spreader Frame which is designed to expand the capabilities of our Modular Spreader Beam System. The Struts from the Spreader Beam are combined with 4 Corner Units to complete the Frame. Customers that already have Modulift Struts can re-use these with the Corner Units to achieve 4-Point lifts, making this a versatile solution.

## CMOD T-pieces

Elaborating on this concept Modulift has now developed a T-Piece to work in conjunction with the CMOD.

This allows the frame to become a 6-point lift, (8-point, 10-point etc on request) adding yet another dimension to your Modulift equipment. Spans of up to 40m x 16m and capacities of up to 200t are available as standard.



# rss Lattice Spreader Beams

## LATTICE

### Modular lattice beam for long, light loads

6 to 42m span

2t and 5t options

Lower slings can attach every 2m for even load distribution

**The go-to choice for lengthy lifts.**  
Use for long pipe sections, wind turbine blades and roof sheet packs

**CE UK CA**

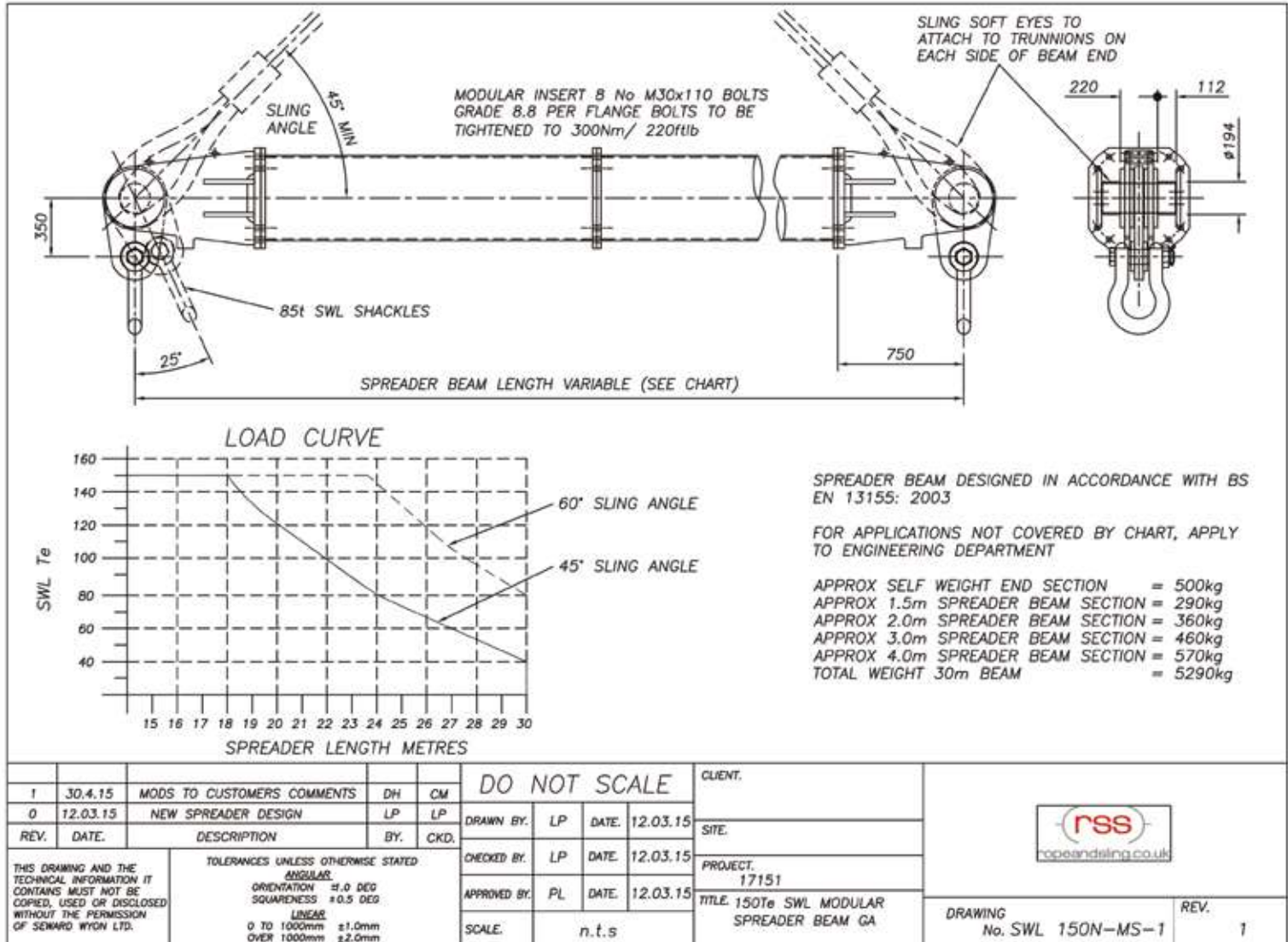
## Which size LATTICE?

Select the required load and spar

Span	WLL	Components required				
		Type 1	Type 2	Type 3	Cross beams	Connection pins
6m	3 tonnes	-	2	1	3	8
	5 tonnes	-	2	1	3	8
9m	3 tonnes	1	2	1	6	12
	5 tonnes	-	3	1	6	12
12m	3 tonnes	2	2	1	7	16
	5 tonnes	-	4	1	7	16
15m	3 tonnes	3	2	1	8	20
	5 tonnes	-	5	1	8	20
18m	3 tonnes	4	2	1	10	24
	5 tonnes	-	6	1	10	24
21m	3 tonnes	4	3	1	11	28
	5 tonnes	-	7	1	11	28
24m	3 tonnes	5	3	1	13	32
	5 tonnes	-	8	1	13	32
27m	3 tonnes	6	3	1	15	36
	5 tonnes	-	9	1	15	36
30m	3 tonnes	6	4	1	16	40
	5 tonnes	-	10	1	16	40
33m	3 tonnes	7	4	1	18	44
	5 tonnes	-	11	1	18	44
36m	3 tonnes	6	6	1	19	48
	5 tonnes	-	12	1	19	48
39m	3 tonnes	7	6	1	20	52
	5 tonnes	-	13	1	20	52
42m	3 tonnes	8	6	1	21	56
	5 tonnes	-	14	1	21	56

# rss Modular Spreader Beams

## RSS 150t Modular Spreader Beam





# rss Modular Spreader Beams

## The Vita Load Navigator

The Vita Load Navigator is a lifting solution that significantly enhances the control, capability and safety of navigating heavy-duty loads faster and more precisely.

Our system detects load movement in real time and adjusts the load with high powered fans to eliminate spinning and rotations ensuring lifts are stabilised.

- Lift and control loads up to 40MT
- Rechargeable batteries working all day
- Removes the use of tag lines
- Precision load positioning
- Continuous stabilisation, stops loads spinning



### Product Benefits:

- Remote control operation keeps workers out of the drop/ danger zone - up to 182m away
- Reduction to crane related injury and property damage
- Memory function to record precise lift position - point A to B

### Specification:

Model/Product Code	VLN Model 40T-7	VLN Model 40T-11	VLN Model 40T-15
Spreader Bar Length	2 m	3 m	4 m
Size (L x W x H) (cm)	307 x 117 x 94	432 x 117 x 94	559 x 117 x 94
Weight (kg)	800	965	1,050
Nominal Inertia Rating (kg*m2)	130,000	175,000	200,000
Available Torque (nm)	678	949	1,085





# rss Crane & Fork Attachments

## Rope & Sling Specialists

We can offer a wider range of attachments to suit cranes, forklift trucks & telehandlers.



## Rescue / Stretcher Cage

The 1075 stretcher cage is supplied as a crane evacuation cage for use where a casualty needs to be evacuated from height. Suitable for 2 personnel (1 casualty and 1 attendant) and supplied in white with relevant signage. Each unit is supplied complete with four leg chain sling (rated at 10/1 ratio as required by CE regulations) attached to the main lifting points with connectors.

Capacity	Width	Length	Height	SWL	Weight
2 Man	770 mm	2570 mm	2130 mm	250Kg	450Kg



## Crane Forks

The 1055T gives flexibility when moving packs of block and bricks as well as palletised goods around site. Supplied with heavy duty sprung lifting eye allowing automatic levelling of any load being carried and with net hooks.

Product Code	SWL (kg)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1058.3	1500	1000	1250	1250	170
1058.3R	1500	1000	1250	1250	170
1058.5	3000	1000	2500	1250	350



## Goods Carrying Cage

The 1058 heavy duty goods carrying cage is the ideal answer to moving un-palletised bulk products and items around site by either fork lift truck or crane, with a choice of 1500kg or 3000kg capacity.

Product Code	SWL (kg)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1058.3	1500	1000	1250	1250	170
1058.3R	1500	1000	1250	1250	170
1058.5	3000	1000	2500	1250	350



# rss Crane & Fork Attachments

## Plastic Mortar Tub

High quality UV resistant plastic mortar tubs, easily stackable these tubs can be lifted by crane or telehandler.

Product Code	SWL (kg)	Capacity (ltrs)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1225.2	500	250	570	670	1060	25



## Pallet Truck

Euro pallet compatible standard pallet truck. With a heavy duty load capacity of 2500Kg the 1107-Nrw will meet all your pallet moving needs.

Product Code	SWL (kg)	Fork Height (mm)	Steering Wheel Size (mm)	Fork Roller (mm)	Fork Length (mm)	Fork Width (mm)	Total Width (mm)	Weight (kg)
1107	2500	80 min 200 max	180 x 50	73 x 55	1150	155	540	75

## Gas Bottle Cage

The 1328 is the perfect solution to moving various bottled products around your site. Supplied as standard with both crane lift point and fork lift pockets to increase flexibility and ease of use as well as rigid locations for up to 6 bottles (depending on model).

Product Code	Bottle Capacity	Bottle Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
1328.1	4 Small	250	2010	600	870	120
1328.2	4 Mixed	250 / 380	2010	750	1130	100
1328.3	6 Small	250	2010	600	1130	100



## Block Grab

Specifically designed and developed for the UK market to lift palletized brickloads (Note: bricks must be securely bound). Suitable for handling all types of concrete products such as slabs, steel-strapped bricks, block kerb stones and paving blocks. palletized bound loads. Lined with hard rubber pads to minimise damage to load.

Item Code	SWL	Internal Height	Jaw Width	Weight
1083.80	1800Kg	800mm	400-1150mm	200Kg
1083.100	1600Kg	1000mm	400-1150mm	215Kg

## Single Man Cage

The 1074 1 Man Cage is built primarily with safety in mind, the cage conforms fully to BSEN 14502 and PM28. This cage has solid walled sides to half height and close mesh to the rear to prevent accidental injury but maintain visibility. The cage also benefits from internal overhead harness points.

The 1074 has been designed to meet increasing requirements for access to areas where a standard man cage is unable to reach. The design incorporates the four lifting points as well as the fork pockets to enable the unit to be truly universal in any situation.

Capacity	width	Length	Height	SWL
1 Man	730mm	810mm	2185mm	100kg



## 4 Person Access Cage

The 1074 4 Man Cage is built primarily with safety in mind, the cage conforms fully to BSEN 14502 and PM28. This cage has solid walled sides to half height and close mesh to the rear to prevent accidental injury but maintain visibility. The cage also benefits from internal overhead harness points.

Capacity	width	Length	Height	SWL
4 Man	1625mm	2150mm	2185mm	660Kg



## Fork Lift Access Cage

The 1073.3 Foldable fork lift access platform is ideal for general use where high level access is necessary by fork lift truck. Secured safely to forklift trucks by heel pins and folds down flat to increase storage space.



Capacity	width	Length	Height	SWL	Weight
2 Man	1200mm	1000mm	1250mm	250Kg	95Kg

## 2 Person Access Cage

The 1073 is the contractor's universal working platform of choice for easy efficient and safe high level access. Manufactured with safety in mind the 1073 boasts overhead protection from falling objects, high kick plate to ensure items cannot be kicked over the edge and large working tray to the front. This unit can be used with either Crane or Fork lift making it a universal piece of site equipment



Capacity	width	Length	Height	SWL	Weight
2 Man	1060mm	1200mm	2250mm	250Kg	190Kg

## Rope winches

- Available in the following sizes:  
800kg, 1600kg, 3200kg and NEW 5.4 tonne model
- Various rope lengths available
- Body made of high strength cast aluminium
- Shear pin in case of over loading



## Snatch blocks with swivel shackle/hook

Sheave		Head Load tonnes	Wire Rope dia mm	Dimensions		
inches	mm			A1 mm	C mm	B mm
3	76	2.00	7-9	286	70	82
4 <sup>1/2</sup>	114	4.00	10-12	345	70	120
6	152	8.00	16	475	93	160
6	152	8.00	20-22	475	93	160
8	203	8.00	20-22	475	93	160
8	203	15.00	20-22	620	98	210
10	254	12.00	20-22	679	114	260
12	305	15.00	24-26	767	133	310
14	357	22.00	28-30	952	140	365
16	406	30.00	28-30	1019	140	415





# rss Winches & hoists

## CABLE PULLING WINCH - CABLE•PULLER

AC2500a (1500 / 2500kg) 110v x 1ph

AC2500b (1500 / 2500kg) 240v x 1ph

CABLE•PULLER cable pulling winch is available as 110v or 240v options.

The CABLE•PULLER provides the perfect solution to installing long or heavy lengths of cable in difficult locations.

CABLE•PULLER takes the strain and makes the job easier.

It reduces manpower hours required to meet installation deadlines and is safer and faster. Suitable for continuous pulling to tackle the toughest pulling applications.

The unit is supplied with the options of either a foot or toggle switch.

With both forward and reverse actions the CABLE•PULLER cable pulling winch is available with either a metal or standard brake cover.



# rss Air hoists

## The Highest Benchmark in Hoisting Technology

The new JDN Mini is the most compact hoist, with a carrying capacity of up to 980 kg and an integrated NFC sensor with service app that makes it truly unique in the industry.

## THE NEW JDN MINI

### More Safety

When it comes to safety, the JDN Mini offers a new global innovation that meets the needs of a specific customer segment: A redundant optional fall support capable of holding the maximum capacity of a hoist coming free of the supporting structure.

The new limit switches offer another safety bonus. They will switch off the lifting and lowering movement as soon as the bumper touches the stop valve. This slows the movement and keeps the chain from being overloaded. All of these features enhance occupational safety significantly and minimise safety hazards and wear risks.

### Sensitive Control

The new JDN Mini brings together the advantages of direct and indirect control. The control is connected with the casing via a single hose with pull relief, bundling three control lines inside. This enhances operating comfort and flexibility. Added to this are the completely new precision valves, enabling even more precise dosing of the air supply and thus making it possible to lift and lower loads smoothly.



## Custom-fit Configuration

The JDN developers have also come up with some innovative ideas when it comes to flexibility: A standardised “interface” for using various types of hooks. Hooks are also available in steel and stainless steel.

Together with a load sleeve and chain made of stainless steel as well as a motor housing of uncoated cast aluminium the JDN Mini is perfect for use in fields such as the food industry.

## THE NEW JDN MINI

### Easy Maintenance

The smartest new development in the area of maintenance is the NFC sensor integrated into the service flap. The user can access the operating instructions and certificates for the hoist by getting on a smartphone and using the new JDN service app.

Much of the maintenance work such as lubricating the motor chamber, exchanging the chain guide, and even exchanging the motor unit can now be carried out on the new JDN Mini “on the hook” - without dismounting the Mini. This also saves an incredible amount of time and increases occupational safety.

### Higher speed

The new JDN Mini 500 will reach a maximum lifting speed of 12 m/min at full load (500 kg). This makes it up to 20 % faster than its predecessor - even when it is in constant use and with double lifetime! It doesn't get more productive than that. The maximum speed can also be continuously preset, so reduced, without losing power at a given carrying capacity. This can protect loads even more when necessary and, at the same time, the speed can also be more finely managed.

### Longer Lifetime

Its intelligent construction increases the number of operating hours of the new JDN Mini through targeted optimisation to 800 hours, thus doubling the amount of time. This considerably enhances its efficiency in comparison to the previous model.

Doubling the lifetime makes a significant contribution to the reduction of the total cost of ownership (TCO), since the extended service life means that new devices are purchased much less frequently to replace units that have reached the end of their service life.

## The New JDN Mini Hoist

The Highest  
Benchmark in  
Hoisting Technology

The new JDN Mini is the most compact hoist, with a carrying capacity of up to 980 kg and an integrated NFC sensor with service app that makes it truly unique in the industry.

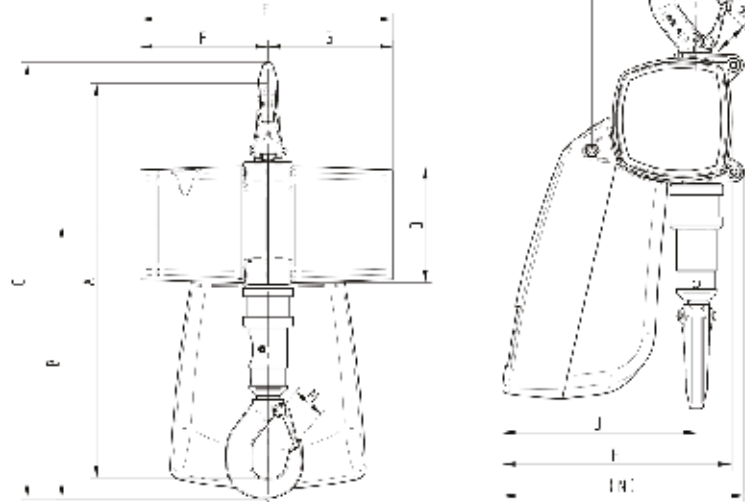
THE NEW JDN MINI

Technical Data

Type		mini 125	mini 250	mini 500	mini 1000
Air pressure	bar	6	6	6	6
Capacity	kg	125	250	500	980
Number of chain strands		1	1	1	1
Motor output	kW	0.4	0.4	1	1
Lifting speed at full load	m/min	15	8	12	5.5
Lifting speed without load	m/min	40	20	20	11.5
Lowering speed at full load	m/min	30	16	18	11.5
Lowering speed without load	m/min	24	12	12	6.5
Air connection		G 3/8	G 3/8	G 1/2	G 1/2
Hose dimension (Ø inside)	mm	9	9	13	13
Weight at 3 m standard lift/ 2 m control length	kg	9.5	10.5	20	22
Chain dimension	mm	4.7 x 14.1	4.7 x 14.1	7.4 x 22	7.4 x 22
Weight of 1 m chain	kg	0.48	0.48	1.2	1.2

## THE NEW JDN MINI

Dimensions



Type		mini 125	mini 250	mini 500	mini 1000
A	mm	370	370	491	491
B	mm	266	266	350	350
C	mm	400	400	540	540
D	mm	100	100	135	135
E	mm	219	219	292	292
F	mm	111	111	148	148
G	mm	108	108	144	144
H	mm	175	175	250	250
J	mm	173	173	213	213
K	mm	87	87	112	112
L	mm	28	28	40	40
M	mm	19	19	28	28
(N)	mm	200	200	265	265



## PROFI 025 TI - 2 TI

### Technical Data

Type		025 TI		05 TI		1 TI		2 TI	
Capacity	mt	0.16	0.25	0.32	0.5	0.63	1	1.25	2
Air pressure	psi	60	87	60	87	60	87	60	87
	bar	4	6	4	6	4	6	4	6
Number of chain strands		1		1		1		2	
Motor output	kW	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Lifting speed at full load	ft/min	65.6	65.6	32.8	36.1	16.4	18	8.2	8.9
	m/min	20	20	10	11	5	5.5	2.5	2.7
Lifting speed without load	ft/min	123	137.8	52.5	62.3	32.8	36.1	16.4	18
	m/min	37.5	42	16	19	10	11	5	5.5
Lowering speed at full load	ft/min	124.7	124.7	55.8	55.8	32.8	36.1	16.4	18
	m/min	38	38	17	17	10	11	5	5.5
Air consumption at full load - lifting	cfm	24.7	42.4	24.7	42.4	24.7	42.4	24.7	42.4
	m <sup>3</sup> /min	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Air consumption at full load - lowering	cfm	28.3	53	28.3	53	28.3	53	28.3	53
	m <sup>3</sup> /min	0.8	1.5	0.8	1.5	0.8	1.5	0.8	1.5
Air connection		G 1/2		G 1/2		G 1/2		G 1/2	
Hose dimension (ø inside)	inch	1/2		1/2		1/2		1/2	
	mm	13		13		13		13	
Weight with standard lift, rope control	lbs	59.5	59.5	59.5	59.5	61.6	61.7 <sup>1</sup>	75 <sup>1</sup>	75 <sup>1</sup>
	kg	27	27	27	27	27.5	28 <sup>1</sup>	34 <sup>1</sup>	34 <sup>1</sup>
Chain dimension	mm	7 x 21		7 x 21		7 x 21		7 x 21	
Weight of chain	lbs/ft	0.67		0.67		0.67		0.67	
	kg/m	1.0		1.0		1.0		1.0	
Standard lift	ft	10		10		10		10	
	m	3		3		3		3	
Length of control at standard lift	ft	6.5		6.5		6.5		6.5	
	m	2		2		2		2	
Noise level at full load <sup>2</sup> - lifting	dB(A)	73	74	74	75	74	76	74	76
Noise level at full load <sup>2</sup> - lowering	dB(A)	77	78	77	78	77	78	77	78

<sup>1</sup>With overload protection

<sup>2</sup>Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism at 6 bar: PROFI 025TI M5 (2 m), PROFI 05TI - PROFI 2TI M4 (1 Am)



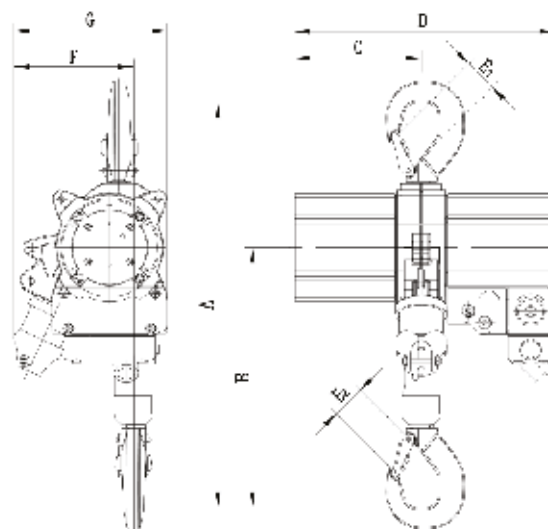
PROFI 1TI

## PROFI 025 TI - 2 TI

### Dimensions

Type		025 TI	05 TI	1 TI	2 TI
A min. headroom <sup>1</sup>	inch	17.7	17.7	17.7	19.5
	mm	450	450	450	493
B	inch	11.3	11.3	11.3	13.2
	mm	288	288	288	336
C	inch	5.7	5.7	5.7	5.7
	mm	145	145	145	145
D	inch	11.7	11.7	11.7	11.7
	mm	297	297	297	297
E <sub>1</sub>	inch	1.1	1.1	1.1	1.1
	mm	28	28	28	28
E <sub>2</sub>	inch	1.1	1.1	1.1	1.1
	mm	28	28	28	28
F up to hook centre	inch	5.4	5.4	5.4	5.4
	mm	137	137	137	137
G maximum width	inch	6.9	6.9	6.9	7.2
	mm	176	176	176	183

<sup>1</sup>Chain containers increase the hoist headroom



## PROFI 1.5 TI and 3 TI/2 Technical Data

Type		1.5 TI	3 TI/2
Capacity	mt	1.6	3.2
Air pressure range	psi bar	60-87 4-6	60-87 4-6
Number of chain strands		1	2
Motor output	kW	1.3-2	1.3-2
Lifting speed at full load	ft/min m/min	13.1-19.7 4-6	6.6-9.8 2-3
Lifting speed without load	ft/min m/min	27.6-32.8 8.4-10	13.8-16.4 4.2-5
Lowering speed at full load	ft/min m/min	36.1-39.4 11-12	18.0-19.7 5.5-6
Air consumption at full load - lifting	cfm m <sup>3</sup> /min	53-92 1.5-2.6	53-92 1.5-2.6
Air consumption at full load - lowering	cfm m <sup>3</sup> /min	78-127 2.2-3.6	78-127 2.2-3.6
Air connection		G 1/4	G 1/4
Hose dimension (Ø inside)	inch mm	3/4 19	3/4 19
Weight with standard lift, rope control	lbs kg	123 56	146 66
Chain dimension	mm	9 x 27	9 x 27
Weight of chain	lbs/ft kg/m	1.2 1.8	1.2 1.8
Standard lift	ft m	10 3	10 3
Length of control at standard lift	ft m	6,5 2	6,5 2
Noise level at full load <sup>1</sup> - lifting	dB(A)	73-77	73-77
Noise level at full load <sup>1</sup> - lowering	dB(A)	78-80	78-80

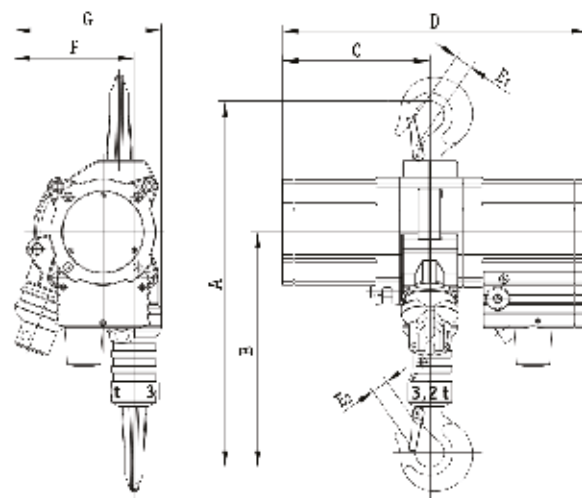
<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism: M3 (1.8m)



## PROFI 1.5 TI and 3 TI/2 Dimensions

Type		1.5 TI	3 TI/2
A min. headroom <sup>1</sup>	inch	18.9	21.4
	mm	480	544
B	inch	11.5	14.0
	mm	293	356
C	inch	7.9	7.9
	mm	200	200
D	inch	16.2	16.2
	mm	412	412
E <sub>1</sub>	inch	1.1	1.1
	mm	28	28
E <sub>2</sub>	inch	1.3	1.1
	mm	26	28
F up to hook centre	inch	6.7	5.5
	mm	170	140
G maximum width	inch	8.5	8.5
	mm	215	215

<sup>1</sup>Chain containers increase the hoist headroom



## PROFI 3 TI - 20 TI

### Technical Data

Type		3 TI	6 TI	10 TI	16 TI	20 TI
Capacity	mt	3.2	6.3	10	16	20
Air pressure	psi	60 87	60 87	60 87	60 87	60 87
	bar	4 6	4 6	4 6	4 6	4 6
Number of chain strands		1	2	2	3	4
Motor output	kW	1.8 3.5	1.8 3.5	1.8 3.5	1.8 3.5	1.8 3.5
Lifting speed at full load	ft/min	8.2 16.4	3.9 8.2	2.6 5.2	1.6 3.3	1.3 2.3
	m/min	2.5 5	1.2 2.5	0.8 1.6	0.5 1	0.4 0.7
Lifting speed without load	ft/min	19.7 32.8	9.8 16.4	6.6 10.5	4.3 6.6	3.3 4.6
	m/min	6 10	3 5	2 3.2	1.3 2	1 1.4
Lowering speed at full load	ft/min	24.6 35.4	11.8 17.7	8.2 11.2	5.3 6.9	3.9 5.3
	m/min	7.5 10.8	3.6 5.4	2.5 3.4	1.6 2.1	1.2 1.6
Air consumption at full load - lifting	cfm	71 142	71 142	71 142	71 142	71 142
	m <sup>3</sup> /min	2 4	2 4	2 4	2 4	2 4
Air consumption at full load - lowering	cfm	124 195	124 195	124 195	124 195	124 195
	m <sup>3</sup> /min	3.5 5.5	3.5 5.5	3.5 5.5	3.5 5.5	3.5 5.5
Air connection		G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Hose dimension (Ø inside)	inch	3/4	3/4	3/4	3/4	3/4
	mm	19	19	19	19	19
Weight with standard lift, rope control	lbs	189.6	242.5	343.9	529.1	627
	kg	86	110	156	240	285
Chain dimension	mm	13 x 36	13 x 36	16 x 45	16 x 45	16 x 45
Weight of chain	lbs/ft	2.6	2.6	3.9	3.9	3.9
	kg/m	3.8	3.8	5.8	5.8	5.8
Standard lift	ft	10	10	10	10	10
	m	3	3	3	3	3
Length of control at standard lift	ft	6.5	6.5	6.5	6.5	6.5
	m	2	2	2	2	2
Noise level at full load <sup>1</sup> - lifting	dB(A)	74 78	74 78	74 78	74 78	74 78
Noise level at full load <sup>1</sup> - lowering	dB(A)	79 80	79 80	79 80	79 80	79 80

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism at 6 bar: M3 (1.8m)



PROFI 6 TI

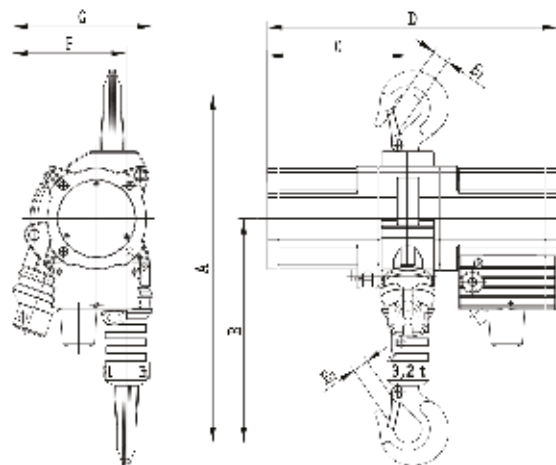


## PROFI 3 TI - 20 TI

### Dimensions

Type		3 TI	6 TI	10 TI	16 TI	20 TI
A min. headroom <sup>1</sup>	incl	23.3	26.5	32	35.4	40.6
	mm	593	674	813	898	1030
B	incl	14.7	17.9	21.6	23.5	26.4
	mm	373	454	548	598	670
C	incl	9.2	9.2	12.1	15	15
	mm	233	233	308	382	382
D	incl	19	19	22.6	27.2	27.2
	mm	483	483	575	692	692
E <sub>1</sub>	incl	1.6	1.6	1.7	2.1	2.8
	mm	40	40	44	53	70
E <sub>2</sub>	incl	1.2	1.6	1.7	2.1	2.8
	mm	30	40	44	53	70
F up to hook centre	incl	7.4	6.1	7.8	7.8	7.1
	mm	187	154	197	199	180
G maximum width	incl	9.2	9.2	12	12.1	12.4
	mm	233	233	306	308	315

<sup>1</sup>Chain containers increase the hoist headroom



# rss Air hoists

## PROFI 25 TI - 100 TI Technical Data

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
Capacity	mt	25	30	37.5	40	50	60	75	100
Air pressure	psi bar					87 6			
Number of chain strands		2	2	3	3	4	4	3	4
Motor output	kW				6.3			9	9
Lifting speed at full load	ft/min m/min	4.1 1.25	3.3 1.0	2.5 0.75	2.3 0.7	1.8 0.55	1.5 0.45	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	7.9 2.4	7.9 2.4	5.6 1.7	5.6 1.7	4.3 1.3	4.3 1.3	4.4 1.33	3.3 1
Lowering speed at full load	ft/min m/min	9.2 2.8	9.2 2.8	6.6 2.0	6.6 2.0	5.3 1.6	5.3 1.6	4.1 1.25	3.1 0.95
Air consumption at full load - lifting	cfm m <sup>3</sup> /min				230 6.5			268.5 7.6	
Air consumption at full load - lowering	cfm m <sup>3</sup> /min				102 2.9			212 6	
Air connection					G 1 1/2				
Hose dimension (Ø inside)	inch mm				1 1/2 35				
Weight with standard lift, rope control	lbs kg	1213 550	1213 550	1874 850	1874 850	2072 940	2072 940	3968 1800	4409 2000
Chain dimension	mm				23.5 x 66			32 x 90	
Weight of chain	lbs/ft kg/m				8.2 12.2			14.3 21.3	
Standard lift	ft m				10 3				
Length of control at standard lift	ft m				6.5 2				
Noise level at full load <sup>1</sup> - lifting	dB(A)				78			77	
Noise level at full load <sup>1</sup> - lowering	dB(A)				82			83	

<sup>1</sup> Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism at 6 bar: PROFI 25TI, 37TI, 50TI, 75TI, 100TI: M3 (1.8m), PROFI 30TI, 40TI, 60TI: M2 (1.6m)

4 bar versions on request



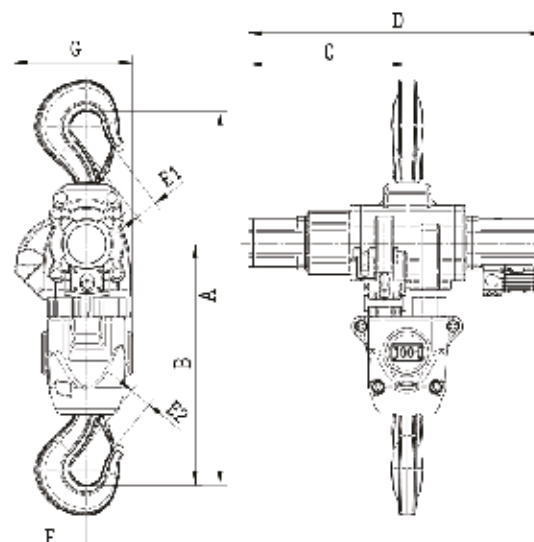
PROFI 100 TI

## PROFI 25 TI - 100 TI

### Dimensions

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
A min. headroom <sup>1</sup>	inch	49.6	49.6	57.9	57.9	58.5	58.5	76	76
	mm	1260	1260	1470	1470	1485	1485	1930	1930
B	inch	32.6	32.6	36.8	36.8	37.4	37.4	43.2	45.2
	mm	827	827	935	935	950	950	1250	1250
C	inch	17.7	17.7	21.3	21.3	21.3	21.3	32.5	32.5
	mm	450	450	540	540	540	540	825	825
D	inch	35.4	35.4	42.5	42.5	42.5	42.5	60.4	60.4
	mm	900	900	1080	1080	1080	1080	1535	1535
E <sub>1</sub>	inch	2.8	2.8	3.9	3.9	3.9	3.9	4.7	4.7
	mm	70	70	100	100	100	100	120	120
E <sub>2</sub>	inch	2.8	2.8	3.9	3.9	3.9	3.9	4.7	4.7
	mm	70	70	100	100	100	100	120	120
F up to hook centre	inch	10.6	10.6	11.2	11.2	9.8	9.8	15.9	14.4
	mm	270	270	285	285	250	250	405	365
G maximum width	inch	17.5	17.5	17.7	17.7	16.9	16.9	23.6	23.6
	mm	445	445	450	450	430	430	600	600

<sup>1</sup>Chain containers increase the hoist headroom



## BVZ Universal Handle

A large adjustable opening range means the BVZ can be universally used for all gardening- and landscaping-design products.

- Removable handles.
- Exchangeable rubber metal bars as gripping elements.
- Galvanised finish.
- Pin bolts to adjust the opening width.

WLL 200kg - 0-550mm Gripping range



## EASYGRIP EXG Border Stone Handle

The mechanical pliers EASYGRIP EXG grips parallel, flat and non-tapered concrete elements and is still small, light and handy.

Small, lightweight, easy to handle but nonetheless ultra-strong!

EASYGRIP EXG is a mechanical grab suitable for handling parallel, plane and non-conical concrete elements, such as border stones, slabs, block steps and kerb stones.

550kg WLL - 0-300mm Gripping range



## FTZ Grab for Prefabricated Concrete Products

FTZ-I: special compact clamp for laying heavy granit kerbs.

FTZ-BB: designed kerb stones with high concave section for bus stops ("Kassel Kerb").

FTZ-UNI: Universal clamp for all kind of precast elements.

FTZ-MAXI: As FTZ-UNI but with a very large gripping range.



Type	Order no.	Gripping Range	Weight Dead Weight	Inside Height	Working Load Limit/WLL	Length of Gripper
FTZ-I	53100120	50-520 mm	55 kg	170 mm	900 kg	420 mm
FTZ-BB	53100202	50-480 mm	60 kg	290 mm	900 kg	420 mm
FTZ-UNI-15	53100256	0-750 mm	88 kg	255 mm	1500 kg	420 mm
FTZ-UNI-25	53100313	0-750 mm	111,860 kg	255 mm	2500 kg	420 mm
FTZ-MAXI-25	53100344	200-1200 mm	132 kg	255 mm	2500 kg	420 mm
FTZ-UNI-50	53100362	0-850 mm	245 kg	200 mm	5000 kg	720 mm
FTZ-MAXI-50	53100363	400-1250 mm	260 kg	240 mm	5000 kg	720 mm



**FXAH-120-GRABO-GREENLINE Vacuum Hand Laying Device**

Designed for landscape contractors and tilers, for quick and ergonomic lifting, moving and laying of absorbent concrete slabs, natural stones, tiles and other absorbent building materials.

**Hydraulic Man Hole Cover Lifter**

BATTERY-HANDY is placed on building materials, switched on, and then sucks onto the surface without any downward pressure. The vacuum is released again by pressing another switch.

Attachment to optionally available handles or laying trolleys makes the laying of absorbent building materials even more ergonomic and allows larger slabs or up to 2 slabs to be laid at the same time.

120kg WLL



**Technical details**

Type	Order no.	Force Pulling Force	Weight Dead Weight	Height Lifting Height	Working Width	Working Width Hook Centres
SDH-H-15	54800002	1500 daN	36 kg	310 mm	1050 mm	260/950 mm
SDH-H-15-UK	54800006	1500 daN	56 kg	310 mm	1050 mm	260/950 mm

## STONEMAGNET SM Vacuum Lifting Device

Powerful, battery-operated vacuum lifting device for suction-tight stone slabs, concrete elements or steps.

The STONEMAGNET SM is the ideal tool for demanding installation work on absorbent stone slabs, concrete elements and steps - independent of the mains power supply thanks to the replaceable 12 V battery.

The battery can be changed in seconds and the charge level indicator informs you of the remaining capacity at all times. The robust, galvanised housing has an integrated crane suspension for attachment to any lifting device.

Thanks to the quick-release fastener, the suction plates can be exchanged effortlessly so that the device is quickly ready for any application.



Type	Order no.	Description	Type of Drive electric/Battery	Working Voltage	Weight Dead Weight	Working Load Limit/WLL -500 mbar
SM-1200	52720009	Basic device, without suction plate	0,093 kW	12 V	40 kg	1200 kg
SM-600-POWER	52720007	Basic device, with stronger pump, without suction plate	0,054/0,108 kW	12 V	35 kg	600 kg
SM-600-POWER- FFS	52720008	Basic device, with stronger pump and remote control	0,054-0,108 kW	12 V	35 kg	600 kg

## VACUUM-HANDY VH-1/25

One-man operation  
for lightweight slabs  
and short  
transportation  
distance

To install non porous slabs, the vacuum suction force is produced by only pressing the device down onto the surface of the slab. Afterwards the slab can be lifted by hand.

To release the slab, just a finger tip is necessary to open a simple valve.

**Attention:** Can only be used on non porous materials nearby the ground level.

25/50kg WLL - 280mm outside diameter



## VACUUM-POWER -HANDY VPH-150- GREENLINE

Flexible and powerful  
hand operated laying  
device for dense  
products, such as  
granite or high  
quality concrete  
elements.

Special seal, consisting of 2 components for optimised sealing. Even when the suction plate is sitting on sharp edges for a long time, no permanent marks are left in the seal.

Therefore no “foldable rests” are necessary to save guard the seal. Wheel Set VPH-RS can be retrofitted to any VPH device at any time. Thus dense slabs can be installed by just one person.

150kg WLL



## Toughlift



## MATERIAL LIFTS SPECIFICATIONS

	Models			
	ML-10	ML-15	ML-20	ML-25
<b>LOAD CAPACITY, WEIGHT &amp; OPERATING ANGLE</b>				
Load capacity	Please refer to the table below for the load capacities at different load centres.			
Machine weight <sup>(1)</sup>	129kg	153kg	190kg	214kg
Maximum allowable chassis inclination	0°	0°	0°	0°
<b>DIMENSIONS - WORKING HEIGHTS</b>				
With standard forks down	2.97m	4.46m	5.94m	7.42m
With standard forks up	3.49m	4.98m	6.46m	7.94m
With load platform forks down <sup>(2)</sup>	2.97m	4.46m	5.94m	7.42m
With load platform forks up <sup>(2)</sup>	3.49m	4.98m	6.46m	7.94m
With boom	3.28m	4.76m	6.25m	7.42m
<b>OTHER DIMENSIONS</b>				
Width with stabilisers deployed	N/A	N/A	1.84m	1.84m
Length with front legs deployed	1.51m	1.88m	2.06m	2.06m
Stowed width	0.81m	0.81m	0.81m	0.81m
Stowed length	0.76m	0.76m	0.76m	0.81m
Stowed height	2.02m	2.02m	2.02m	2.02m
Ground clearance <sup>(3)</sup>	52mm	52mm	52mm	52mm
<b>AVERAGE TURNS OF WINCH PER METRE</b>				
Carriage moving	42/m	42/m	42/m	42/m
Mast moving	19/m	19/m	19/m	19/m
<b>NOISE EMISSIONS</b>				
	<70dB			

(1) Excluding load handling attachments. (2) With standard forks only. (3) Measurement from the ground to the bottom of the lifting shackle.

## LOAD CAPACITIES

LOAD CENTRE							
Model	46cm	51cm	56cm	61cm	66cm	71cm	76cm
ML-10	454kg	454kg	454kg	454kg	414kg	374kg	335kg
ML-15	363kg	363kg	363kg	363kg	346kg	329kg	312kg
ML-20	363kg	332kg	303kg	272kg	255kg	238kg	221kg
ML-25	295kg	264kg	235kg	204kg	193kg	181kg	170kg
LOAD CENTRE							
Model	81cm	86cm	91cm	97cm	102cm	107cm	
ML-10	295kg	272kg	249kg	227kg	204kg	181kg	
ML-15	295kg	281kg	268kg	254kg	240kg	227kg	
ML-20	204kg	195kg	186kg	177kg	168kg	159kg	
ML-25	159kg	150kg	141kg	132kg	122kg	113kg	



## Sack truck

- Fitted with large pneumatic wheels
- Large base plate
- 270kg carrying capacity
- Other models available



## Site trolley

- Solid or pneumatic wheel option
- Plywood Bed. Size 5' x 2.5'
- Easy to steer
- Sturdy construction



## Furniture equipment movers

- W.L.L. 1800kgs per pair
- Lift height 250mm
- Ideal for lifting & moving bulky items
- Hand operated hydraulic pump unit



## Beam and pipe trolley

- Designed to carry long lengths of materials for example drainage pipes, scaffolding tubes and steel sections
- 500kg SWL





## Liftkar Powered Stair Climber

- **Load Capacity:** Models available with capacities of 190 kg and 310 kg, catering to different operational needs.
- **Folding Handle:** Equipped with a folding handle for compact storage and ease of transportation.
- **Automatic Braking System:** The MTK 310 model includes an automatic brake for enhanced safety during operation.
- **Climbing Speed:** Efficient climbing speeds ranging from 8 to 18 steps per minute, depending on the model.
- **Battery Performance:** Capable of climbing up to 170 steps per charge, ensuring prolonged operational use.
- **Versatility:** Suitable for use on steep and spiral staircases, adapting to various environments.
- **Ease of Use:** User-friendly controls ensure quick learning and operation, enhancing productivity.



## PowerMate M Series heavy-duty powered stair climbers

- Single operator usage cuts the manpower required
- Reduce the risk of manual handling injury
- Improve efficiency of business operations
- Speeds loading and delivery
- Manoeuvrability on tight landings
- Eliminates product and premises damage
- Minimises physical effort
- Removable battery with in-transit charging kit
- Bespoke accessories for different sectors
- 680kg maximum capacity





## Skates

Available in the following sizes: (set of 3)

- 8 tonne
- 16 tonne
- 20 tonne
- 30 tonne

All have polyurethane wheels with bearings to prevent floor damage.

Complete with spacer bar and handle.

Steering skates have easy spin ball bearing turntable

Solid construction.

Replaceable spare parts.

Skates can be sold separately if required.



Model No	Steering Skate Length mm	Steering Skate Width mm	Trailing Skate Length mm	Trailing Skate Width mm	Height mm (all skates)
8 Tonne Set 4 Tonne Steering & 2 x 2 Tonne Trailing	240	210	170	130	110
16 Tonne Set 8 Tonne Steering & 2 x 4 Tonne Trailing	500	645	200	200	110
20 Tonne Set 10 Tonne Steering & 2 x 5 Tonne Trailing	530	750	200	220	110



## 360 Rotating Machinery Moving Skate

Each wheel rotates 360° to allow movement in all directions with minimum effort. Turntable has bearing for easy turning. Polyurethane wheels to reduce the risk of change to the floor. Handle used to pull and steer the load. SWL 4tonne and 10tonne



# rss Forklift Attachments

## Rope & Sling Specialists Tip

This unit must be used in conjunction with your machines capabilities, please refer to the machine manufacturers guidelines for further information.

## 2082 - Adjustable Crane Jib

The 2082 has been designed to convert a standard forklift truck into a universal mobile crane unit (as the 2081). With the benefit of having an adjustable lifting angle for the movement of tall and awkward items such as roof trusses.



Product Code	Capacity (kg)	Extension Range (mm)	Fork pocket (mm)	Height (mm)	Width (mm)	Weight (kg)
2082	2500	700-3700	190x80	635	640*	210
2082	5000	700-3700	190x80	635	640*	210

\* Including restraint pin

### LOAD RATING FOR 2500Kg MODEL

Length (mm)	610	810	1010	1210	1410	1610	2100	2300	2500	2700	2900	3100	3300	3500	3700
Load (Kg)	2500	2500	2500	2500	1800	1400	1200	1050	950	850	770	700	650	600	560

### LOAD RATING FOR 5000Kg MODEL

Length (mm)	610	810	1010	1210	1410	1610	2100	2300	2500	2700	2900	3100	3300	3500	3700
Load (Kg)	5000	3550	2750	2500	2250	1950	1700	1600	1500	1450	1250	1100	1050	1000	950

# rss Forklift Attachments

## Rope & Sling Specialists Tip

These units must be used in conjunction with your machines capabilities, please refer to the machine manufacturers guidelines for further information.

## 2084 - Fork Mounted Hook

The fork mounted load hook enables the conversion of any fork lift unit into a simple mobile crane unit allowing the lifting of items by chains and slings in a secure and safe manner. As with all Eichinger fork mounted units the 2084 is secured to the fork lift by a heel pin NOT chain. Always use the load hook in relation to the load capacity of the fork lift truck.



Product Code	Capacity (kg)	Pocket Length (mm)	Pocket Width (mm)	Width (mm)	Max Fork Size (mm)	Weight (kg)
2084.2	2000	940	210	650	160 x 60	45
2084.3	3000	940	210	730	190 x 70	60
2084.5	5000	940	210	730	190 x 70	60

## 2111 - Fork Extensions

Standard Fork Extensions for increased stability when handling awkward loads, Eichinger fork extensions conform to ISO 13284 the British Standard for Fork Extensions.

Always use the load hook in relation to the load capacity of the fork lift truck.



Product Code	UDLPER PER PAIR (kg)	Pocket Width (mm)	Length (mm)	Weight Per Fork (kg)
2111.2	4000	148 x 60	1829	26
2111.3	4000	148 x 60	2440	39

# rss Lashing Systems



## Lashing Systems

We can supply systems to suit every requirement, examples include:

- Retaining heavy loads on vehicles & trailers
- Internal cargo restraint to secure loads within box vans
- Vehicle Recovery
- Car Transporters

Complies with current standards & manufactured under ISO Quality System.

**Ratchet Load Binder**  
10mm - 13mm  
Drop forged  
See chart


**Loadbinder Chain**  
10mm - 12mm  
Short Link Chain  
Electrically welded mild steel  
See chart

## Lashing Systems

RSS stock a diverse range of heavy, medium & light duty ratchet lashings assemblies. All lengths and an array of fittings are available. Some popular systems are shown below. A full range is available - please call our sales team with your requirements.

TYPE RSS1	CLAW HOOK	TYPE RSS1M	Micro Ratchet lifted with Claw Hooks 25mm Webbing.
TYPE RSS2	RAVE HOOK	TYPE RSS2M	Micro Ratchet lifted with Delta Links 25mm Webbing.
TYPE RSS3	D LINK	TYPE RSS3M	Micro Ratchet lifted with Endless Belt 25mm Webbing.
TYPE RSS4	TWISTED HOOK	TYPE RSS6	ENDLESS
TYPE RSS5	FLAT HOOK	TYPE RSS7	BECKET EYES

Chain Size inches	Ultimate lbs	Weight kgs/each	Drop Forged Product Code	
5/16 - 3/8	19000	4.75	RLB516	
3/8 - 1/2	33000	5.85	RLB38	
1/2 - 5/8	46000	6.54	RLB12	

Dimensions				Weight kgs/per m.	Self Colour Product Code	Galvanised Product Code	
A inches	A mm	B mm	C mm				
3/8	10	28	33	1.88	SLC10	SLCG10	
1/2	12	38	44	3.42	SLC12	SLCG12	



## Rope & Sling Specialists

Wide range of safety harnesses available. Please call and talk to our experts.

### Safety Harness with Rear D Attachment



### Safety Harness with Front and Rear D Attachment



### Safety Harness with Front & Rear D Attachment Quick Release



### Safety Harness with 4 point Attachment



### Safety Harness with Rescue Point



### Safety Harness with Glow Webbing



### Multi Task Comfort Harness (Front & Rear D)



# rss Safety at Height Products

19mm Steel  
Screwgate Karabiner



17mm Steel Twistlock  
Karabiner



Scaffold Snap Hook



Webbing Lanyard with  
Shock Absorber



Rope Lanyard with  
Shock Absorber



Twin Leg Webbing  
Lanyard with Shock  
Absorber



Rope Restraint  
Lanyard



Adjustable Restraint  
Lanyard



Elasticated Webbing  
Lanyard with Shock  
Absorber



Twin Leg Elasticated  
Webbing Lanyard with  
Shock Absorber



# rss Safety at Height Products

2.5mtr Webbing Fall Arrest Block



Wire Fall Arrest block



15mtr Wire Fall Arrest & Rescue Block



2.7m Aluminium Rescue Tripod



Temporary Web Lifeline Kit



Helmet



Stretcher with haulage strops



Rescue Kit Complete



Rescue Winch



## TR3 Height Adjustable Tripod

Ultra lightweight, tough, and with a durable alloy construction, the TR3 Tripod is primarily to be used as personal protective equipment, to provide access or fall protection in confined space environments.

- Pulleys are protected from damage by an extended crown
- Spring Loaded Sliding Pulleys for ease of setup and retaining pin to prevent cable coming off the pulley
- Automatic leg lock out catches with trigger release



## PPEW2000 Man Riding / Material Winch

The PPEW2000 functions as a secondary back up device where there is no assistance for the descent such as a ladder. An essential piece of equipment to meet the requirements of the EN 795 Class B Standard.

- 250kg capacity
- 20m lift
- Harken lokhead fibre rope capstan winches are also available for longer lengths. Hoisting speed can be increased by using a portable power tool



## FABX2R & FABXLR Recovery Blocks

- The FABX2R 18mtr & FABXLR 40mtr function as standard Fall Arrest Block, but in the event of a fall, the rewind/rescue mechanism can be engaged to raise and/or lower a fallen worker
- Fitted as standard with a bracket to suit either the TR3 Tripod or the PGR Porta Gantry Rapide



# rss Confined Space Equipment

## **BW Microclip XL Multi-Gas Detector**

The BW GasAlertMicroClip XL portable multi-gas detector can be configured to monitor combinations of Combustible gases. The Microclip XL detector has been redesigned and rebranded as the BW Gas Alert Micro Clip XL and given a brand-new cutting-edge battery providing 18 hours operation.



## **MSA Altair 4XR Multigas Detector (LEL/O2/CO/H2S) Charcoal**

The MSA Altair 4XR multi-gas detector can detect combustible gases, oxygen, carbon monoxide and hydrogen sulphide levels with XCell sensors. This particular version has charcoal housing. It's a reliable, rugged and real-time instrument.



## **Dräger CF10 & CF15 Escape Sets**

The Dräger Saver CF10/15 is an escape set, suitable for making a safe and effective escape from hazardous situations. The CF10/15 features an escape hood with positive pressure and will provide the user with a 10/15 minute supply of air to escape from environments where smoke or toxic fumes may be present. This particular version of the escape set comes in a soft bag.







## Deadweight Anchor

- Conforms to Class E EN 795, BS 7883 & ISO 14567
- CE Approved to PPE Directive
- Galvanised to BS EN 1461
- Does not penetrate the roof surface

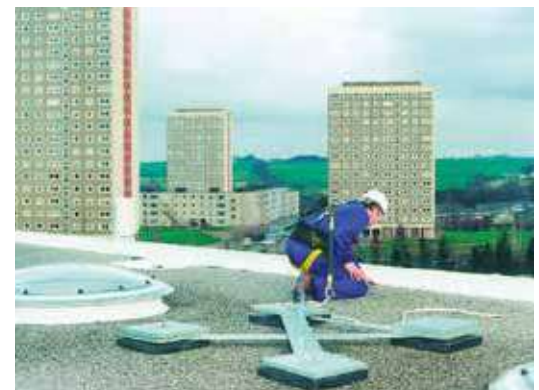
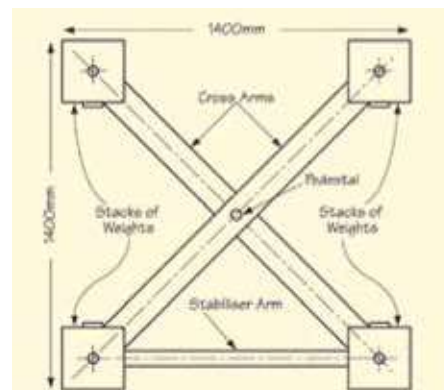
## Deadweight Anchor

WeightAnkA is a mobile, deadweight anchor device for use on roofs of up to 5 degrees pitch, where the absence of guardrails or permanent anchor devices would otherwise preclude safe means of access. WeightAnkA is the first Class “E” anchor device to be approved for use on all roof surfaces when wet and also for

use downhill on metal clad roofs (subject to the addition of two extra weights). WeightAnkA utilises a central pedestal (attachment point) which raises the height at which the arrest force is applied, thus reducing the distance the anchor device moves during a fall arrest event.

## Features and benefits

- No need for expensive inertia reels
- Rubber moulded base weights prevent rubber pads ‘peeling’ at the edges
- With the correct model it can be used on any of the following roof surfaces in Wet or DRY conditions:
  - Single Ply Membrane Asphalt
  - Steel Cladding Concrete
  - Stone Chippings (Brushed) Mineral Felt
- Can be used on roofs up to 5° pitch
- For fall restraint up to 2 workers may be attached providing they cannot get to less than 500mm from the edge
- Easy and quick to assemble with fewer loose components than others on the market
- Independently tested at N.E.L. (National Engineering Laboratory, East Kilbride N.B. 0320)
- Conforms to CLASS E EN 795, BS 7883 & ISO 14567
- CE Approved to PPE Directive
- Galvanised to BS EN ISO 1461
- Does not penetrate the roof surface
- Base weights fully encased in rubber moulding, with 10 year guarantee
- Raised central pedestal reduces the distance of travel during a fall arrest event



## MiTower

- One Man Tower
- One Person 10 Mins Assembly
- All MiTowers have adjustable legs, with 220mm variance.
- Easy Transport and Storage Pack
- Compact, Strong & Robust
- Small Footprint
- Up to 6m Working Height





## CHOOSE holmatro mastering power

Holmatro delivers high-performance hydraulic equipment for industrial and tactical applications, prioritising quality and safety in critical situations. These extensive range of tools and systems are designed for demanding environments, backed by ongoing research and development to meet professionals' evolving needs worldwide. Choose Holmatro for reliable hydraulic lifting solutions that enhance efficiency and safety.

### Holmatro Industrial Tools

Holmatro hydraulic cylinders, pumps, and system components provide flexible and controlled power ranging from 5 to 300 tons. These tools are designed for safe and efficient use across various industrial applications, including:

- Maintenance and repair
- Production
- Heavy lifting and transportation
- Shipbuilding
- Civil engineering
- Construction and installation
- Tank construction and repair
- Offshore wind installation and transport
- Mining
- Oil and gas



**Holmatro tools ensure reliable performance in diverse industrial settings.**



Hydraulic Cylinders



Hydraulic Pumps



System Components



Lifting Wedges



Mechanical Jacks



Specialist

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## Single Acting Multi-Purpose Cylinders

### Spring Return



#### Features and Benefits:

- Duplex Powder Coating makes the plunger corrosion resistant
- Duo Power Ring: a combination of a superior steel and an extremely strong composite bearing for a longer life span
- Thread protector protects the thread around the cylinder housing
- XL Saddle+; QPQ saddle protects the plunger against corrosion and limits undesired eccentric loads
- Optional Tilt Saddle
- Steel Material
- Operating Pressure- 720 bar / 10,443 psi

#### Supplied with:

- Collar thread and base mounting holes
- Internal plunger thread on all models to 50 tons
- High Flow Female Coupler A118
- Flat Saddle

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Cylinder Capacity tons (kN)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number
<b>5</b> (49)	50	130	1.3	HGC555
	75	155	1.5	HGC557.5
	125	206	1.8	HGC5512.5
	175	268	2.3	HGC5517.5
<b>10</b> (98)	50	122	2.5	HGC1055
	100	172	3.4	HGC10510
	150	240	4.6	HGC10515
	200	290	5.5	HGC10520
	250	340	6.4	HGC10525
<b>15</b> (147)	50	148	3.9	HGC1555
	100	198	4.9	HGC15510
	150	265	6.4	HGC15515
	200	315	7.4	HGC15520
	250	365	8.4	HGC15525
<b>25</b> (245)	50	165	6.4	HGC2555
	100	215	8.0	HGC25510
	150	265	9.7	HGC25515
	200	315	11.3	HGC25520
	250	374	13.3	HGC25525
<b>35</b> (343)	50	184	9.3	HGC3555
	100	234	11.4	HGC35510
	150	284	13.5	HGC35515
	200	334	15.5	HGC35520
<b>50</b> (490)	50	176	15.1	HGC5055
	100	226	18.9	HGC50510
	150	276	22.6	HGC50515
	200	326	26.4	HGC50520
	250	376	30.1	HGC50525
<b>75</b> (735)	150	285	30.9	HGC75515
	350	485	50.0	HGC75535
<b>100</b> (980)	50	218	35.3	HGC10055
	100	268	42.2	HGC100510
	150	318	50.0	HGC100515
	250	418	64.1	HGC100525

Available  
as  
complete  
kits



Double Acting Cylinders  
Available- Please Contact us

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## Single Acting Low Height Cylinders

### Spring Return

(Also Known As: Pad Jacks,  
Pancake Cylinders, Low  
Height Cylinders)



#### Features and Benefits:

- Compact, flat version efficient in case of limited space
- Stroke of 15mm on HFC models and 50mm on HSC models
- Steel Material
- Operating Pressure- 720 bar / 10,443 psi

#### Supplied with:

- HFC models provided with fixing holes for easy assembly
- Dirt scraper ring- protects against pollution and increases the life span
- Superior seal for an excellent static and dynamic sealing
- Splined plunger, no saddle needed
- High flow female coupler A118

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Cylinder Capacity tons (kN)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number
5 (49)	15	44	1.0	HFCSS1.5
100 (98)	15	46	1.6	HFCC10S1.5
20 (196)	15	55	2.9	HFC20S1.5
30 (294)	15	60	4.2	HFC30S1.5
50 (490)	15	71	7.0	HFC50S1.5
75 (735)	15	80	11.0	HFC75S1.5
100 (980)	15	90	18.1	HFC100S1.5

Cylinder Capacity tons (kN)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number
10 (98)	50	100	2.9	HSC10S5
20 (196)	50	103	5.5	HSC20S5
30 (294)	50	106	6.1	HSC30S5
50 (490)	50	117	9.7	HSC50S5
100 (980)	50	141	22.2	HSC100S5

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# Hollow Plunger Cylinders

## Spring & Hydraulic

Features and Benefits:

- Suitable for pulling, lifting, tensioning in all positions
- Protected against ejection of the plunger
- Hollow Saddle; prevents damage to the plunger
- Operating Pressure- 720 bar / 10,443 psi
- Steel Body

Supplied with:

- High flow female coupler A118
- Hollow Saddle with exceptions to HHJ5S2.5, HH12S5, & HHJ12S15



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Cylinder Capacity tons (kN)	Stroke (mm)	Centre Hole Diameter (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	Spring Return
5 (49)	25	17	87	1.9	HHJ5S2.5	
12 (117)	50 150	21 21	156 298	6.3 11.0	HHJ12S5 HHJ12S15	
17 (166)	50	27	192	7.3	HHJ17S5	
20 (196)	50 150	27 27	182 389	8.6 18.0	HHJ20S5 HHJ20S15	
30 (294)	75 150	33 33	226 362	15.0 25.0	HHJ30S7.5 HHJ30S15	
45 (441)	150	39	388	35.5	HHJ45S15	
60 (588)	75	45	272	34.5	HHJ60S7.5	
110 (1,078)	75	80	315	78.3	HHJ110S7.5	

Cylinder Capacity tons (kN)	Stroke (mm)	Centre Hole Diameter (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	Hydraulic Return
30 (294)	150	33	285	23.0	HHJ30H20	
60 (588)	200	45	334	40.0	HHJ60H20	
100 (980)	200	54	395	78.0	HHJ100H20	

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## Aluminium Cylinders

### Spring Return & Hydraulic Return

Available  
as  
complete  
kits



**Aluminium VS Steel:**  
Lighter and easier to handle  
Lasts the lifetime of use in average heavy duty applications

Cylinder Capacity tons (kN)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	S P R I N G  R e t u r n
20 (196)	50	164	2.6	HAC20S5	
	100	214	3.2	HAC20S10	
	150	264	3.9	HAC20S15	
30 (294)	50	182	3.7	HAC30S5	
	100	232	5.9	HAC30S10	
	150	282	7.0	HAC30S15	
50 (490)	50	183	6.9	HAC50S5	
	100	233	8.3	HAC50S10	
	150	283	9.6	HAC50S15	
100 (980)	50	225	17.8	HAC100S5	
	100	275	20.9	HAC100S10	
	150	325	24.1	HAC100S15	

Cylinder Capacity tons (kN)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	H y d r a u l i c  R e t u r n
30 (294)	50	197	6.9	HAC30H5	
	100	247	8.5	HAC30H10	
	150	297	10.2	HAC30H15	
50 (490)	50	201	9.5	HAC50H5	
	100	251	11.5	HAC50H10	
	150	301	13.3	HAC50H15	
100 (980)	50	246	19.7	HAC100H5	
	100	296	23.0	HAC100H10	
	150	346	26.9	HAC100H15	
150 (1,470)	50	248	27.7	HAC150H5	
	100	298	32.3	HAC150H10	
	150	348	38.0	HAC150H15	

#### Features and Benefits:

- Operating Pressure- 720 bar / 10,443 psi
- Up to 50% lighter compared to steel cylinders- improved ergonomics
- Duo power ring: a combination of a superior seal and an extremely strong composite bearing for a longer life span
- XL Saddle optimally protects the plunger and guides load effectively
- Coated plunger with a hardened anodised layer, wear and corrosion resistant
- Optional Tilt Saddle
- Available in single and double acting

#### Supplied with:

- High Flow Female Coupler A118
- Flat Saddle
- Larger Cylinders equipped with handles for easy carrying

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## Aluminium Hollow Cylinders

### Spring Return & Hydraulic Return

#### Features and Benefits:

- Operating Pressure- 720 bar / 10,443 psi
- Up to 60% lighter compared to steel cylinders - easy & ergonomic
- Compact design and a lower build-in
- Suitable for pulling, lifting, tensioning in all positions
- Duo power ring; a combination of a superior seal and an extremely strong composite bearing for a longer life span
- The plunger is coated with a hardened anodized layer, which makes it extremely wear & corrosion resistant
- Safety valve for protection against overpressure on return side
- Available in single and double acting

#### Supplied with:

- High Flow Female Coupler A118
- Larger Cylinders equipped with handles for easy carrying

Available  
as  
complete  
kits



Cylinder Capacity tons (kN)	Stroke (mm)	Centre Hole Diameter (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	S p r i n g  R e t u r n
20 (196)	50	27	170	3.4	HAHC20S5	
	150	27	310	5.5	HAHC20S15	
	250	27	429	7.1	HAHC20S25	
30 (294)	50	34	185	6.1	HAHC30S5	
	150	34	325	9.5	HAHC30S15	
	250	34	450	12.6	HAHC30S25	
60 (588)	50	56	243	15.5	HAHC60S5	
	150	56	363	21.8	HAHC60S15	
	250	56	518	29.0	HAHC60S25	

Cylinder Capacity tons (kN)	Stroke (mm)	Centre Hole Diameter (mm)	Collapsed Height (mm)	Weight (kg)	Model Number	H y d r a u l i c  R e t u r n
100 (980)	50	80	229	28.2	HAHC100H5	
	150	80	329	39.7	HAHC100H15	
	250	80	429	51.2	HAHC100H25	
150 (1,470)	50	80	247	41	HAHC150H5	
	150	80	347	56	HAHC150H15	
	250	80	447	71	HAHC150H25	

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## Pulling Cylinders

### Spring Return

#### Features and Benefits:

- Suitable for pulling, lifting, tensioning in all positions
- Protected against over pressure; A418 Valve

#### Supplied with:

- High Flow Female Coupler A118, with Pressure Relief Valve

#### Required Accessories:

- 2 Pulling Eyes OR
- 2 Clevis Eyes



Cylinder Capacity tons (kN)	Stroke (mm)	Retracted Length (mm)	Weight (kg)	Model Number
11 (107)	150	320	11.5	HPJ11S15
30 (294)	150	470	26.0	HPJ30S15
60 (588)	150	530	45	HPJ60S15



### Pulling Eyes

Eye Length (mm)	Outer Length (mm)	Eye Width (mm)	Thickness (mm)	To Suit
120	200	35	35	HPJ11S15
120	200	35	35	HPJ30S15
150	260	45	45	HPJ60S15



### Clevis Eyes

Length (mm)	Hole Diameter (mm)	Width (mm)	Inner Width (mm)	To Suit
160	30	35	30	HPJ11S15
188	35	35	36	HPJ30S15



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## Hydraulic Pumps

### Hydraulic Hand & Foot Pumps



#### Features and Benefits:

- Ergonomic design which is lightweight and easy to carry and operate
- Minimal user effort
- Push and Unlock pump handle lock
- Oil level glass in the tank- ability to check in both vertical and horizontal position
- Integrated filler funnel- top up oil easily and quickly
- Maximum Operating Pressure- 720 bar / 10,443 psi

Oil Capacity (cc)	1st Stage Output (per stroke) (cc)	2nd Stage Output (per stroke) (cc)	Operator Type	Double Acting Option	Weight (kg)	Model Number
500	18.4	1.4	Hand	No	3.4	PA04H2
1,000	22.0	2.1	Hand	No	4.7	PA09H2
1,990	42.8	3.1	Hand	Yes	7.6	PA18H2
4,150	42.8	3.1	Hand	Yes	11.4	PA38H2
6,150	50.5	4.0	Hand	Yes	14.6	PA58H2
1,990	42.8	3.1	Foot	Yes	8.3	PA18F2

### Hydraulic Compact Electric Pump



Effective Oil Capacity (cc)	1st Stage Output (per min) (cc)	2nd Stage Output (per min) (cc)	Operator Type	Engine	Weight (kg)	Model Number
1,650	2,000	250	Pendant	230 VAC 0.35 kW 50Hz 1Ph	11.6	EHW1650RC

#### Features and Benefits:

- Lightweight and Ideal for small spaces
- Can be used vertically and horizontally
- Suitable for all single acting tools and cylinders
- Maximum Operating Pressure- 720 bar / 10,443 psi

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## Hydraulic Electric Pumps

### Hydraulic VARI Pumps

#### Features:

- 115V, 230V, 400V, 460V or Petrol Power Source
- 1-stage, 2-stage
- 6-50 Litre Oil Tank Capacities
- 0,6-1,8 l/min Output
- Various Control Valves
- Operating Pressure- 720 bar / 10,443 psi

#### Benefits:

- Safe- In case of power failure, the oil pressure is maintained, and also protected against pressure drop by a pressure-controlled non-return valve

#### Step 1

Select the power source

#### Step 2

Select the pump type

#### Step 3

Select the correct content for the oil tank

#### Step 4

Select the correct output in litres per minute

#### Step 5

Select the correct control valve

POWER SOURCE	PUMP TYPE	OIL CONTENT	OUTPUT	CONTROL VALVE
115V 50Hz	Q			M311
115V 60Hz	G	1 Stage S	6 Litres 65 0,6 l/min 06	M322
230V	D		12 Litres 12 0,9 l/min 09	M304
400V	E		25 Litres 25 1,2 l/min 12	M323
460V	F	2 Stage W		M326
Petrol	P	50 Litres 50	1,8 l/min 18	

## Control Valves

Vari Pumps	Description	Model
	Single Acting 3 way 3 position 3/8" NPT Female Thread	M311
	Double Acting 4 way 3 position Non-return valves 3/8" NPT Female Thread	M322
	Double Acting (dead man's function) Non-return Valves 4 way 3 position	M323
	Remote Control Double Acting Non Return Valves 3 position 4 way EC version Vari Pumps	M326
	Single/Double Acting (SADA) Switch with A + B function	M304



By adding a M304 SADA switch your pump is able to control both Single and Double Acting Cylinders



## Wedges

### Spring & Hydraulic Return

#### Features:

Holmatro hydraulic wedges, otherwise known as spreaders or lifting wedges, are used to lift heavy loads or to separate parts of a construction from one another. The shape of the hydraulic wedge make it possible to use it with a minimal insertion space (5 to 10 mm). There are hydraulic (lifting) wedges that only lift vertically and wedges that can be used in all positions. Hydraulic wedges are lightweight and compact and can therefore be used in small spaces where it is not possible to use other lifting mechanisms.

#### Benefits:

- Usable in confined spaces
- Lightweight
- Usable in all positions (except HVLW16S2 which is vertical lift only)

Cylinder Capacity tons (kN)	Lifting Stroke (mm)	Min. Insertion Space (mm)	Max. Spreading Force (kN)	Return Type	Weight (kg)	Model Number
1 (9.8)	90	15	156.6	Spring	8.8	HW1000
16 (156)	20	9	156.6	Spring	8.8	HVLW16S2
24 (235)	51	6	235.4	Hydraulic	8.1	HWJ25U

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## System Components

### Flowpanels (valve blocks)

#### Features and Benefits:

- Excellent control over load
- Regulator valves
- Carry-handle

#### Supplied with:

- Couplers & 100mm Gauges



Type	Number of Port Outlets	Dimension - length (mm)	Weight (kg)	Model Number
Single Acting	2	238	9.0	HMS2
Single Acting	4	480	17.8	HMS4
Single Acting	6	722	26.6	HMS6
Double Acting	2	238	10.0	HMD2
Double Acting	4	480	19.4	HMD4
Double Acting	6	722	29.1	HMD6

### Hoses

#### Features and Benefits:

- 1, 2, 3, 5, 10, 15 & 20M lengths
- 720 bar operating pressure
- 4:1 Safety Ratio
- 10 year lifespan
- Anti-kink spring on both sides

#### Supplied with:

- Filled with oil already



Connection A	Connection B	Length(m)	Model Number
3/8" NPT Male	3/8" NPT Male	1	H1S0
3/8" NPT Male	3/8" NPT Male	2	H2S0
3/8" NPT Male	3/8" NPT Male	3	H3S0
3/8" NPT Male	3/8" NPT Male	5	H5S0
3/8" NPT Male	3/8" NPT Male	10	H10S0
3/8" NPT Male	A119	1	H1S0U
3/8" NPT Male	A119	2	H2S0U
3/8" NPT Male	A119	3	H3S0U
3/8" NPT Male	A119	5	H5S0U
3/8" NPT Male	A119	10	H10S0U
A119	A118	1	VL1S0U
A119	A118	2	VL2S0U
A119	A118	3	VL3S0U
A119	A118	5	VL5S0U
A119	A118	10	VL10S0U
A119	A118	15	VL15S0U
A119	A118	20	VL20S0U



Always have a pressure relief tool available to use.

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## Mechanical Jacks

Cast Iron

### Features and Benefits:

- Unique ratchet handle for engagement for both wheel and plunger
- Low maintenance
- Robust- can be used near welding and under water

### Supplied with:

- Handle Bar



## Transversing Beds

Cast Iron

### Features and Benefits:

- For use with mechanical jacks
- for smooth horizontal movement of heavy loads
- Screw shaft and handle bar- for easy operation
- Self-locking
- Low Maintenance
- Robust- can be used near welding and under water



Cylinder Capacity (tons)	Stroke (mm)	Collapsed Height (mm)	Weight (kg)	Model Number
10	150	280	12.0	JJ1015
15	125	255	12.0	JJ1513
25	125	255	16.0	JJ2513
35	130	280	24.0	JJ3513
50	130	290	31.0	JJ5013

Suitable for jack	Horizontal Displacement (mm)	Length (mm)	Height (mm)	Width (mm)	Weight (kg)	Model Number
JJ 2513	300	470	90	185	25.0	TB2530
JJ 5013	450	670	128	220	66.00	TB5045

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## Skidding System

Available to purchase/ hire as a hydraulic kit

User-friendly, modular skidding systems for the horizontal movement of heavy loads Holmatro's Skidding Systems provide reliable and effective solutions for transporting industrial objects of exceptional sizes and weights to their intended locations. With the flexibility and strength of these modular systems, moving heavy loads becomes a manageable and efficient process, offering an alternative to traditional crane-based operations. Thanks to the user friendly modular construction of both systems they are easy to adapt to each load size and project.

### Features & benefits

- Each system consists of a set of tracks, beams and push-pull units with a push-pull cylinder.
- The load rests on the beams, which move horizontally in the tracks.
- The tracks are fitted with extremely low-friction sliding pads.
- The beams are connected to the push-pull units, with equal pushing and pulling capacity.
- This allows the system to perform both actions safely and in a controlled manner.
- The push-pull units are connected to a hydraulic pump via hoses.
- This powerful Twin pump has two equal oil flows that can be controlled independently



### 200-ton Skidding System

Light weight This system is exceptionally lightweight and designed for loads up to 200 tons. It boasts an impressively low construction height and consists of lightweight components. Set up can easily be done by two persons; no need for additional lifting tools like a forklift. The 200-ton Skidding System is ideal for moving objects in situations with limited insertion space.

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### 400-ton Skidding System

The 400-ton Skidding System is extremely robust and capable of handling heavy loads, making it suitable for moving very large and heavy objects, such as large transformers. This system's strength ensures smooth and efficient movement even for highly challenging tasks.

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## Ring Climb Cylinder Set

Available to purchase/ hire as a hydraulic kit

The Holmatro Industrial equipment Ring Climbing Cylinder Set allows you to execute challenging lifting operations, in limited space;

- With the stacking rings & blocks, you safely achieve a lifting height of up to 600mm
- Starting with a compact cylinder, on a small footprint
- Lightweight; ergonomic
- Lifting & securing the load by one product; safe
- Perfect combination with our Skidding Systems



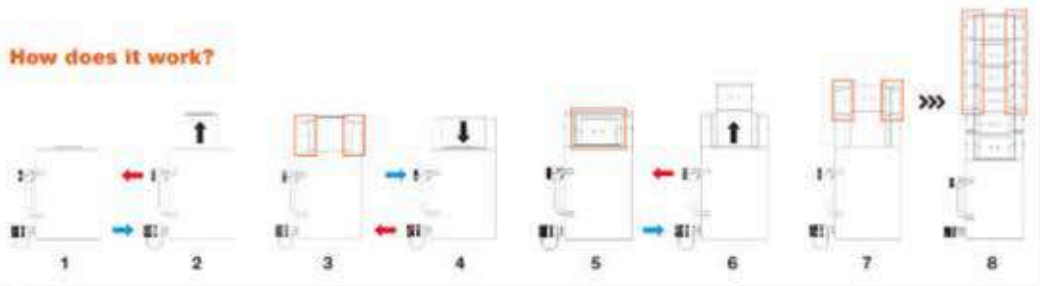
### Features & benefits

The Ring climbing cylinder sets allow you to execute challenging lifting operations, in limited space.

- Safely achieve a lifting height of up to 600mm
- Less need for stacking wood, filler blocks
- Small footprint
- Light weight; ergonomic
- Lifting & securing the load; safe
- 100 ton capacity
- 130mm stroke
- 300mm closed height



### How does it work?



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## Premium Service Centre

We have an extensive repair facility where inspection, testing, and repairs are conducted on a diverse array of industrial tooling within our fully equipped modern workshop based in the West Midlands.

Our competent workshop engineers possess extensive experience in servicing hydraulics and other equipment, supported by substantial inventories of OEM spare parts. Our facilities include:

- Comprehensive assessments of all equipment
- Free quotations provided

Additionally, we offer customized service and repair packages to help our customers manage their long-term repair costs effectively.



## Asset Management System

Holmatro's online portal is designed to provide you with comprehensive information about your hydraulic equipment. You can check when your equipment's service is due, request services online, view various locations, and register all new purchases seamlessly. The user-friendly interface ensures that you have all the necessary information at your fingertips, making the management of your hydraulic assets both efficient and straightforward. If you need to schedule a routine maintenance check, the portal is designed to simplify these processes, saving you valuable time and effort. By leveraging this online tool, you can ensure your equipment remains in optimal condition, minimizing downtime and maximizing productivity.



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at our Netherton Depot**



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## Safety Posters

Request yours today

**Use your BRAIN before using your hands!**

- Believe in creating a safe and neat work environment
- Read the instructions and use the equipment as specified
- Always work with Personal Protective Equipment
- Inspect your equipment; scheduled maintenance and certification is required
- Never work with damaged equipment

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Tangye jacks facilitate the safe lifting and positioning of heavy loads, with capacities from 5 to 100 tonnes. They offer tailored options for different scenarios, such as low ground clearance claws and screwed rams for stability. Lightweight and user-friendly, models like Hydralite, Hydraclaw, and Hydramite can be operated safely by one person.



Hydramite Jack

The equipment comes in 6.5, 10, and 15-tonne capacities, making it ideal for various heavy lifting tasks. With thousands of units in use worldwide, it is known for its reliability and ease of servicing. Safety features include a relief valve to prevent overloading, while its compact, lightweight design enhances portability. It operates in any orientation, is fully enclosed, and performs well in dusty conditions. Additionally, it is easy to operate with a simple lever for lifting and lowering.

Product Code	Capacity (tonnes)	Stroke (mm)	Closed Height (mm)	Ram Diameter (mm)	Weight (kg)
8104H	6.5	75	140	30	3.6
1105002	10	115	182	38	6.3
1105003	15	152	230	47.5	10.0



Hydraclaw Jack

The Hydraclaw hydraulic jack offers a strong 5-tonne lifting capacity at both ends and weighs just 18kg, making it highly portable. Key features include a fast operation with a 5.5mm lift per stroke, a maximum height of 178mm, a minimum height of 41mm, and a robust steel construction for durability. Its stable base ensures safety under load, and it includes a positive stop feature and a pressure relief valve to prevent overloads.

Product Code	Capacity (tonnes)	Stroke (mm)	Closed Height (mm)	Low Clearance (mm)	Weight (kg)
9501W	5	75	325	41	18.0



Supplied with handles for usage

The Tangye aluminium Hydralite jack is a popular choice, offering lifting capacities of 20, 30, 60, and 100 tonnes. Its lightweight construction makes it portable, and claw models are available for low ground clearances. The design enables easy operation by a single user with minimal effort. The lever can be adjusted for optimal height, and the jack features reliable, enclosed moving parts for durability and easy maintenance.

## Hydralite Jack - Plain Base

Product Code	Capacity (tonnes)	Stroke (mm)	Closed Height (mm)	Ram Diameter (mm)	Weight (kg)
PS620	20	152	263	60	10.90
PS1220	20	305	438	60	16.7
PS630	30	152	263	76	15.4
PS1230	30	305	451	76	23.4
PS660	60	152	293	108	27.4
PS1260	60	305	500	108	43.7
P6100	100	152	357	140	49



## Hydralite Jack - Claw Base

Product Code	Capacity (tonnes)	Stroke (mm)	Closed Height (mm)	Ram Diameter (mm)	Weight (kg)
PS620C	20	152	276	60	14.5
PS1220C	20	305	452	60	22.2
PS630C	30	152	281	76	20.3
PS1230C	30	305	470	76	31.0
PS660C	60	152	327	108	43.1
PS1260C	60	305	533	108	64.9



## Hydralite Jack - Screwed Ram

Product Code	Capacity (tonnes)	Stroke (mm)	Closed Height (mm)	Ram Diameter (mm)	Weight (kg)
PS620S	20	152	289	60	10.90
PS1220S	20	305	464	60	16.7
PS630S	30	152	292	76	15.4
PS1230S	30	305	479	76	23.40
PS660S	60	152	330	108	27.4
PS1260S	60	305	479	108	43.7
P6100S	100	152	357	140	53.0





## Torque and Bolting

Torque wrenches and industrial bolting technology  
Innovative bolting equipment for your individual requirements.

Plarad is a leading manufacturer of premium torque equipment, providing advanced bolting solutions for a wide range of industries. This comprehensive product range includes hydraulic torque wrenches, electric torque tools, and manual torque equipment, all engineered for precision, reliability, and safety. Trusted in sectors such as oil and gas, aerospace, manufacturing, and power generation, Plarad tools ensure that every bolting application meets the highest standards of performance and accuracy. Designed for durability and optimized for efficiency, Plarad torque equipment delivers the confidence and reliability needed to tackle even the most demanding bolting tasks.



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## Rope & Sling Specialists

We offer a comprehensive range of hydraulic equipment to aid with lifting & pulling heavy loads.

Our range includes Hydraulic Jacks, Manual & Power Driven Pumps, Cylinders, Spreader Wedges and many more.

We can offer advice on planning the lift and what equipment would be best suited.

The range shown is just a small proportion of the kit we have available. Please contact us for further information or advice.

## Floor Crane

- Folds easily for storage
- Heavy duty castors
- Side access pumping handle
- High quality pump unit
- Fine adjustment on pump
- Spare parts available



Model	Lifting Capacity position 1 kg	Lifting Capacity position 2 kg	Lifting Capacity position 3 kg	Lifting Capacity position 4 kg	Weight kg
1 tonne	1000	750	500	250	75
2 tonne	2000	1500	1000	500	120

## Hydraulic trolley jack

Model No	Capacity Kgs	Min height mm	Max height mm	Product size mm	Weight kgs
ATJ-03100	2000	135	342	471 x 199 x 135	9.5
ATJ-03105 Heavy Duty Model	2250	145	490	695 x 1344 x 180	34.5



## Swivel toe jack

Capacity t	Lifting of foot mm	Lifting of head mm	Lowest of foot/head mm
5	230	575	25/368
10	260	650	30/420
25	275	720	58/500



# rss Ratchet Toe Jack

## Typical uses

- Machine moving
- Maintenance
- Fork truck lifting
- Mining & quarrying
- Railway maintenance
- Building & construction
- Garage & transport
- General engineering applications

## 5 tonne ratchet toe jack

- Capable of lifting 5 tonnes on either head or toe
- Each jack tested to withstand 25% overload
- Ideally suited for work in arduous conditions
- Low maintenance
- Long life construction
- Supports the load indefinitely
- Two year warranty



<b>Capacity (head or toe)</b> 5 tonnes	<b>Size of head cap</b> 2 <sup>3/4</sup> " x 2 <sup>1/2</sup> " (70mm x 63mm)
<b>Lifting range</b> 9 <sup>1/4</sup> " (235mm)	<b>Size of toe</b> 2 <sup>1/2</sup> " x 1 <sup>5/8</sup> " (63mm x 41mm)
<b>Overall height (closed)</b> 15 <sup>7/8</sup> " (403mm)	<b>Base size</b> 7 <sup>3/4</sup> " x 4 <sup>3/4</sup> " (197mm x 120mm)
<b>Overall height (raised)</b> 25 <sup>1/8</sup> " (638mm)	<b>Weight (jack only)</b> 39lbs (17.7kg)
<b>Height of toe (closed)</b> 1 <sup>5/8</sup> " (41mm)	<b>Weight of lever bar</b> 16.6lbs (7.5kg)
<b>Height of toe (raised)</b> 10 <sup>7/8</sup> " (276mm)	<b>Dimensions of lever bar</b> 1 <sup>1/4</sup> " dia x 48" (32mm dia x 1220mm)

# rss Cable Drum Jack



## Cable drum jack (screw type)

- Lifting Capacities : 3.0 to 8.0 tonnes
- Improved screw design
- Extra strong base plates
- Robust and easy to use
- Lifting Height 310mm
- Improved screw assembly
- Two carry handles
- Designed for heavy duty use



Specifications	031951009	031952005	031953001
Capacity Each (tonnes)	1.5	3	4
Cable Drum Size (mm)	540 - 840	890 - 1000	840 - 1150
Minimum Height (mm)	530	580	830
Lifting Height (mm)	310	310	310
Maximum Height (mm)	840	990	1140
Base Height (mm)	300 x 300	300 x 460	300 x 600
Weight Each (kg)	19	22	36

Spindles Solid Steel Bars	DS4	DS6	DS12
Capacity (tonnes)	1.5 - 6.0	1.5 - 6.0	10.0
Spindle Diameter (mm)	50	50	75
Length (mm)	1219	1828	1282

Collars To Suit Spindle Diameter	SC4	SC6	SC12
Capacity (tonnes)	1.5 - 6.0	1.5 - 6.0	10.0
Spindle Diameter (mm)	50	50	75
Length (mm)	1219	1828	1282



# rss Specialist Services



## The RSS Group

The RSS Group of companies are a single source supplier of quality lifting and height safety equipment together with specialist training and consultancy services.

## Quality Accreditation ISO 9001:2015

The company currently operate a quality management system which meets the provisions of ISO 9001:2015.

## Inspection / testing (in house or on site)

Rope and Sling offer an excellent inspection and testing service, this can be done on site or at our various locations around the UK. All service engineers are LEEA trained and have the necessary qualifications to ensure that all work carried out is first class.

All our customers have access to our new RSS online tracking and inspection programme. This will help our customers have instant access to their inspection reports on line 24 hours a day 7 days a week.

Our on site teams can provide years of experience with on site proof testing using calibrated weights, water bags or jacking equipment. We can also weigh items with our calibrated compressive load cells. Our engineering teams also have a wealth of experience installing permanent life line systems horizontal and vertical. We also install stainless steel rigging products.

Rope and Sling Specialists have a wide range of customers from steel plants, petrochemical, ship yards, construction, oil and gas. Rope and Sling are also full members of the Lifting Equipment Engineers Association (LEEA) and strictly audited every year to ensure we maintain our quality systems.



- Site testing
- Modular weighings
- Inspections
- Repairs
- In house testing
- LEEA Approved engineers
- Life line systems
- Installations

## On site Inspection and testing

top right:  
*Millennium Stadium test*

bottom right:  
*Gas Pipeline*

below:  
*Test lugs at Llanwern*





## Rope & Sling Specialists Ltd are a fully accredited LEEA training centre

LEEA Lifting and Slinging

LEEA Lifting Equipment Appreciation

LEEA LOLER and PUWER

RSS Pico (Person in Charge of Lifting Operations)

RSS Management Of Lifting Operations

RSS Bespoke Lifting Courses

RSS Counterbalance Forklift Truck up to 5000kg

RSS Hoist Training

RSS Overhead Traveling Crane Lifting and Slinging

RSS Lifting Audits and Compliance

Tower Crane Rescue & Evacuation at Height Course

Harness User Training

Working At Height PPE Inspector



# rss Lifeline System



## RSS Horizontal Lifeline System

When safety & productivity are on the line, there is no room for compromise, which is why architects and engineers have put their trust in RSS for over a decade.

We are a recognised supplier & installer of permanent height safety systems & provider of personal fall protection equipment.

Whether for cleaning or maintenance work, inspection of an installation, or simply accessing a worksite safely, A Horizontal Lifeline System is the ideal solution for protecting workers during operations at height.

## RSS Horizontal Lifeline System

### • Discreet

The state of the art design of Horizontal Lifeline system, with its high-grade corrosion resistant stainless steel components, provides a discreet yet highly effective system that blends in with any structure.

### • Functional

Developed to allow increased freedom of movement at any angle, it is adapted to any type of work at height where a fixed horizontal safety system is required, be it in a straight line or around corners and bends.

### • Versatile

- Simultaneous use by up to 7 people.
- Users can work either side of the cable.
- Low Maintenance due to high grade components.

- Range of supports and brackets.
- Calculation Software.
- Reduced installation time.

### • Dual Protection

The lifeline system has a dual purpose in fall protection.

- It can restrain the workers from reaching the point where a potential fall hazard exists or,
- It can provide fall arrest protection in the event of a fall.

### • Installation & Certification

RSS can offer full advice on the supply, installation & certification of the device and can arrange for our own team of expert engineers to install on-site if required. In order to maintain safe working systems we offer a six-monthly onsite examination & inspection service.





# rss Workshop Facilities



## Manufacture and repair

Full in-house facilities for manufacture, repair and testing

### Our workshop facilities are extensive and offer:

- 50,000 sq ft of workshop space.
- 2 x 1000 tonne hydraulic wire rope presses for manufacture of wire rope slings up to 64mm diameter.
- 3 x 150 tonne hydraulic wire rope press. Up to 22mm diameter.
- Portable hand wire rope presses for on-site rigging.
- White metal/resin socketing.
- Hand splicing of wire rope & fibre rope.
- Manufactures of webbing cargo restraints

### Testing

- 2 x Grade 1 120 tonne and 2 x 60 tonne hydraulic tensile test machines
- 15 metres long for the proof load testing of slings, loose lifting gear etc.
- 4 x 120 tonne compressive test machines for proof loading hydraulic jacks, rams and cylinders.
- 150 tonne of “live” weight - block, slab and hand weights.
- Fabrication of jigs to allow testing of non-standard items.





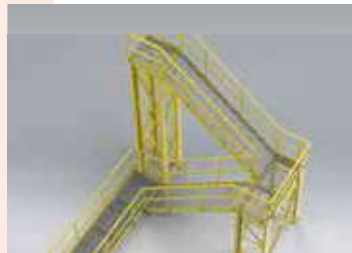
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Full in-house facilities.



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- Lifting Products
  - Swing Jibs
  - Gantry
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- Workshop Fabrication
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