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Lifting products and services



**HIRE • SALES • INSPECTION • REPAIRS • ON SITE TESTING • TRAINING • ENGINEERING SERVICES
MANUFACTURE • FALL PROTECTION • CRANE ROPES • INDUSTRIAL DOORS**

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





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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rss Online Tracking System



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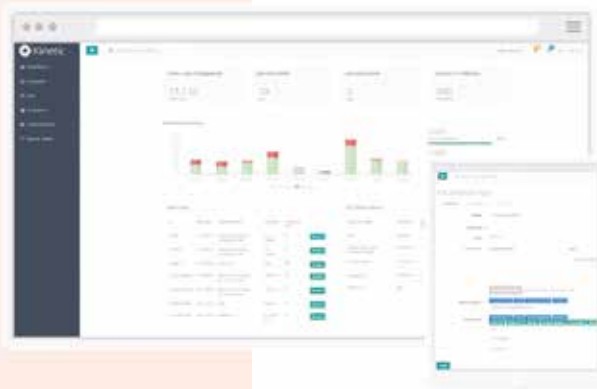
rss online tracking system gives you total control of your LOLER inspections

Our software is built to easily create compliant certificates for Lifting Equipment, Crane and Forklifts, Hose and PSSR.

RSS Web Portal gives you instant access to view reports, view equipment and trace inspection history.

The defect tracker gives an overview of all outstanding defects.

Overdue and upcoming inspections can be easily identified.



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° x1 
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 Chain Slings

Working load limits on G80 and G100 Chain Slings

When ordering please specify the number and length of legs / the requirement for shortening clutches / type of hook.
Uniform Load Rating: All general purpose slings should be rated by the uniform load method as shown in the table below. Figures are in Metric Tonnes.

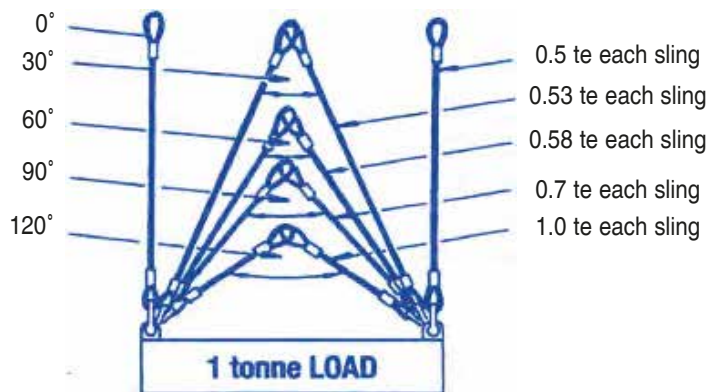
WORKING LOAD LIMITS FOR G100 AND G80 CHAINS

Chain Size (mm)	Grade	WORKING LOAD LIMITS IN TONNES					
		 Single Leg	 Endless	 0°-45°		 45°-60°	
				Two Leg		Three & Four Leg	
6	100	1.4	2.2	2.0	1.4	2.9	2.1
7	80	1.5	2.5	2.12	1.5	3.15	2.24
8	80	2.0	3.15	2.8	2.0	4.25	3.0
8	100	2.5	4.0	3.5	2.5	5.3	3.8
10	80	3.15	5.0	4.25	3.15	6.7	4.75
10	100	4.0	6.4	5.6	4.0	8.4	6.0
13	80	5.3	8.5	7.5	5.3	11.2	8.0
13	100	6.7	10.6	9.5	6.7	14.0	10.0
16	80	8.0	12.5	11.2	8.0	17.0	11.8
16	100	10.0	16.0	14.0	10.0	21.0	15.0
20	80	12.5	20.0	17.0	12.5	26.5	19.0
20	100	16.0	25.6	22.4	16.0	33.6	24.0
22	80	15.0	23.6	21.2	15.0	31.5	22.4
22	100	19.0	30.4	26.5	19.0	40.0	28.0
26	80	21.2	33.5	30.0	21.2	45.0	31.5
26	100	26.5	42.4	37.1	26.5	55.7	39.8
32	80	31.5	50.0	45.0	31.5	67.0	47.5

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.

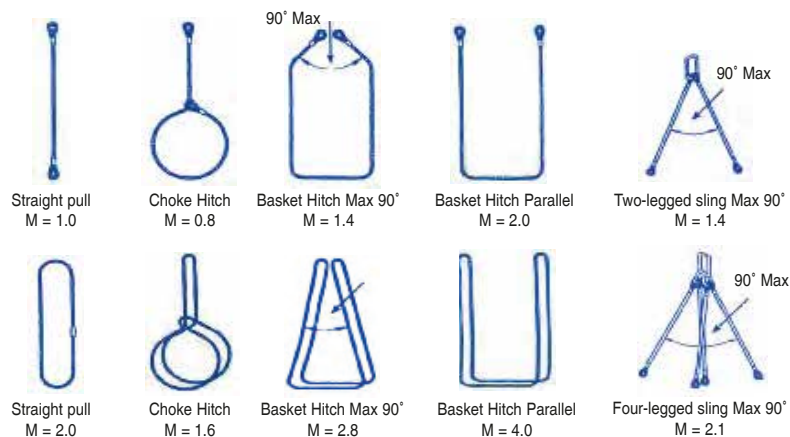


For the above reason, the SWL of a **pair** of single slings decreases as the angle between them increases as shown below:

Angle	SWL =	SWL of one sling x 2	Angle	SWL =	SWL of one sling x 2
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 t					
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_L	1	1,4	1	2,1	1,5	1,6

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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.

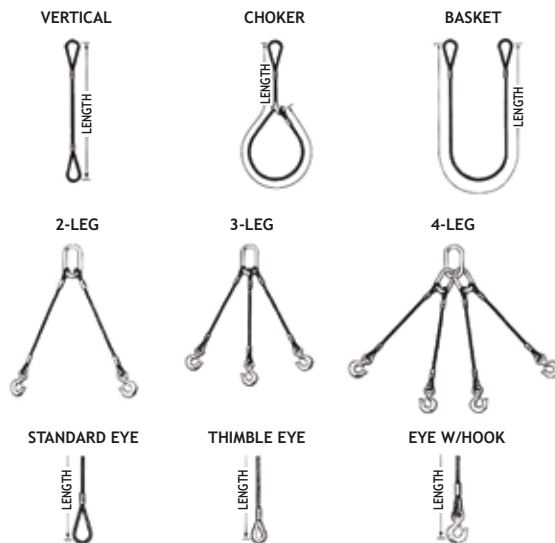
Various end fittings available to suit whatever your requirements may be.



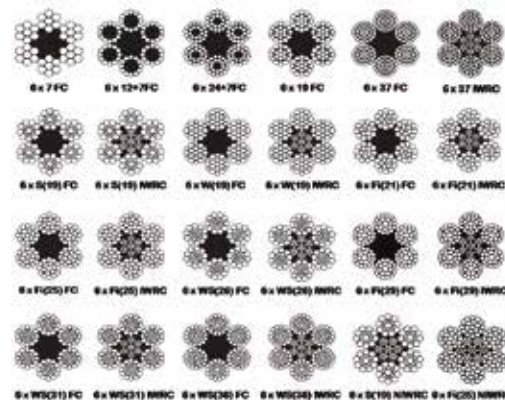
WIRE ROPE SLINGS

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



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

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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/MM2

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

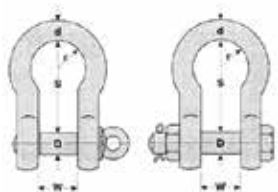


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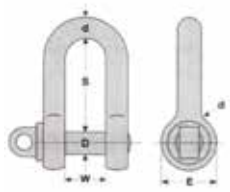
rss Shackles



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



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



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

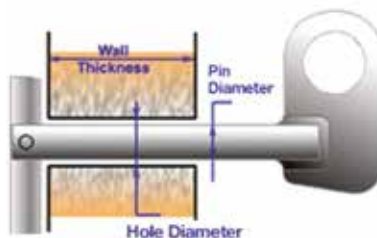
SWL tonnes	d inches	D inches	W inches	S inches	E inches	Weight kgs/each	Self Colour product code	Galvanised product code
0.25	1/4"	3/8"	1/2"	1"	3/4"	0.10	SHHD0025	SHHD0025G
0.50	3/8"	1/2"	3/4"	1 1/2"	1"	0.20	SHHD0050	SHHD0050G
0.75	1/2"	5/8"	1 1/8"	2 1/8"	1 1/4"	0.30	SHHD0075	SHHD0075G
1.50	5/8"	3/4"	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

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rss Lifting Accessories

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

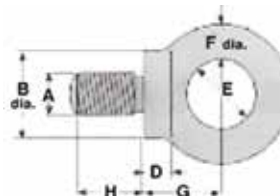
With swivel round eye. Rope available on request.



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

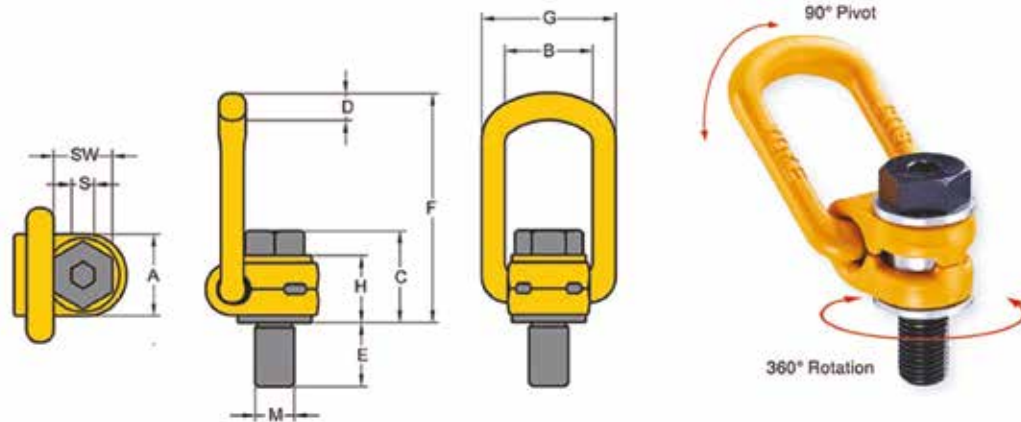
- Collared eyebolts
 - Long shank collared eyebolts
 - EBCM collared eyebolts
- Tested and certified
See charts

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

- Rotates through 360° and pivots 90°.
- Manufactured from alloy steel, quenched and tempered.
- Manufactured and tested in accordance with EN1677-1.
- Certified by DGUV GS-OA 15-04.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test Certification.
- Bolts are Metric thread (ASME / ANSI B18.3.1M).
- Proof tested to 2.5 times the WLL.
- Fatigue rated to 1.5 times the WLL.
- Design Factor 4 : 1
- All YOKE Lifting points meet or exceed all the requirements of ASME B30.26.
- Quick and simple assembly, just a tapped hole is required.

Yoke Lifting Point Metric Thread



Dimensional Specifications

Part Code	WLL tonnes	Thread M	Thread E	Thread Pitch DIN13	A mm	B mm	C mm	D mm	F mm	G mm	H mm	S mm	SW mm	Torque in Nm	Mass kg
8-211-003	0.3	M8	11	1.25	30	35	35	10	85	55	29	6	13	30	0.2
8-211-006	0.63	M10	16	1.5	30	35	36	10	85	55	29	8	17	60	0.3
8-211-010	1.0	M12	18	1.75	33	37	44	14	98	57	36	8	19	100	0.5
8-211-012	1.2	M14	21	2	33	37	45	14	98	57	36	10	22	120	0.5
8-211-015	1.5	M16	24	2	33	37	46	14	98	57	36	10	24	150	0.5
8-211-020	2.0	M18	26	2	50	54	57	17	140	82	44	12	30	200	1.3
8-211-025	2.5	M20	30	2.5	50	54	57	17	140	82	44	12	30	250	1.3
8-211-040	4.0	M24	36	3	50	54	59	17	140	82	44	14	36	400	1.4
8-211-042	4.0	M27	36	3	60	65	79	23	170	99	62	17	41	400	2.8
8-211-050	5.0	M30	46	3.5	60	65	81	23	170	99	62	17	46	500	3.1
8-211-070	7.0	M36	54	4	60	65	88	23	178	99	65	22	55	700	3.3
8-211-080	8.0	M36	62	4	77	85	101	27	225	124	78	22	55	800	5.8
8-211-100	10.0	M42	72	4.5	77	85	104	27	225	124	78	24	65	1000	6.3
8-211-150	15.0	M42	63	4.5	95	104	112	36	256	158	86	24	65	1500	10.9
8-211-200	20.0	M48	72	5	95	104	120	36	259	158	90	27	75	2000	11.6

Bolt in GEOMET finish on request

rss Lifting Accessories



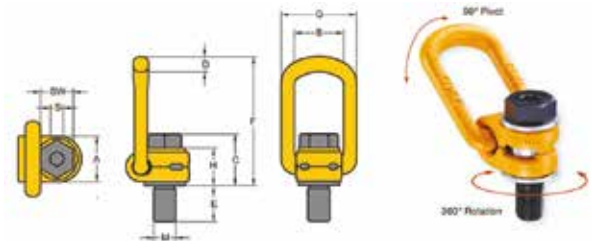
USES

Lifting Point uses can be as follows:

- Suited for lifting objects with no obvious attachment points
- Mold and die handling
- Pump and valve handling
- Ideal for lashing attachment points
- Suitable for attachment to lifting beams and spreader beams

Lifting Point Working Load Application Factors

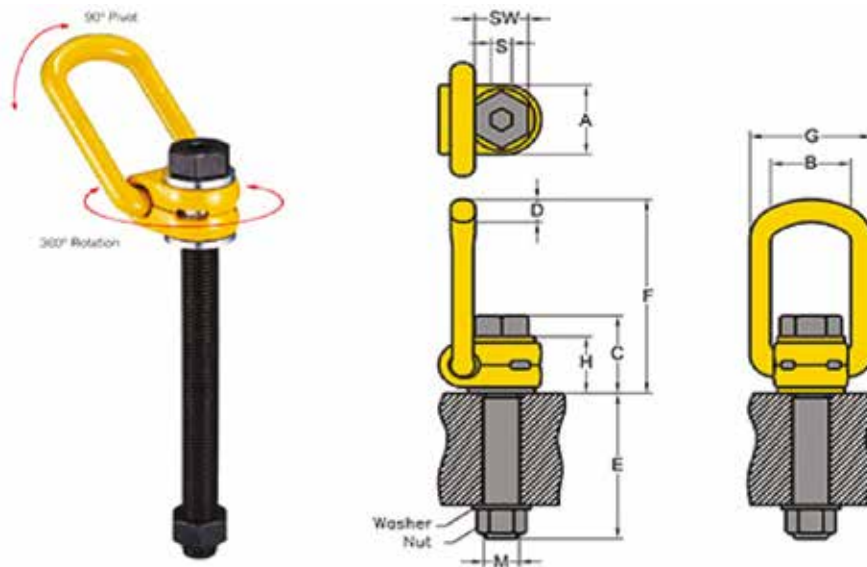
Number of legs		1	2	1	2	2	2	2	3-4	3-4	3-4
Load Direction		0°	0°	90°	90°	0-45°	45-60°	unsymm.	0-45°	45-60°	unsymm.
Part Code	Thread	WLL tonnes									
8-211-003	M8	0.3	0.6	0.3	0.6	0.42	0.3	0.3	0.63	0.45	0.3
8-211-006	M10	0.63	1.26	0.63	1.26	0.88	0.63	0.63	1.32	0.95	0.63
8-211-010	M12	1.0	2.0	1.0	2.0	1.4	1.0	1.0	2.1	1.5	1.0
8-211-012	M14	1.2	2.4	1.2	2.4	1.7	1.2	1.2	2.5	1.8	1.2
8-211-015	M16	1.5	3.0	1.5	3.0	2.1	1.5	1.5	3.1	2.2	1.5
8-211-020	M18	2.0	4.0	2.0	4.0	2.8	2.0	2.0	4.2	3.0	2.0
8-211-025	M20	2.5	5.0	2.5	5.0	3.5	2.5	2.5	5.2	3.7	2.5
8-211-040	M24	4.0	8.0	4.0	8.0	5.6	4.0	4.0	8.4	6.0	4.0
8-211-042	M27	4.0	8.0	4.0	8.0	5.6	4.0	4.0	8.4	6.0	4.0
8-211-050	M30	5.0	10.0	5.0	10.0	7.0	5.0	5.0	10.5	7.5	5.0
8-211-070	M36	7.0	14.0	7.0	14.0	9.8	7.0	7.0	14.7	10.5	7.0
8-211-080	M36	8.0	16.0	8.0	16.0	11.2	8.0	8.0	16.8	12.0	8.0
8-211-100	M42	10.0	20.0	10.0	20.0	14.0	10.0	10.0	21.0	15.0	10.0
8-211-150	M42	15.0	30.0	15.0	30.0	21.0	15.0	15.0	31.5	22.5	15.0
8-211-200	M48	20.0	40.0	20.0	40.0	28.0	20.0	20.0	42.0	30.0	20.0



rss Lifting Accessories

- Rotates through 360° and pivots 90°.
- Manufactured from alloy steel, quenched and tempered.
- Manufactured and tested in accordance with EN1677-1.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test Certification.
- Bolts are Metric thread (ASME / ANSI B18.3.1M).
- Proof tested to 2.5 times the WLL.
- Fatigue rated to 1.5 times the WLL.
- Design Factor 4 : 1
- All YOKE Lifting points meet or exceed all the requirements of ASME B30.26.
- Quick and simple assembly, just a tapped hole is required.

Yoke Lifting Point Long Bolt - Metric Thread (8-211)











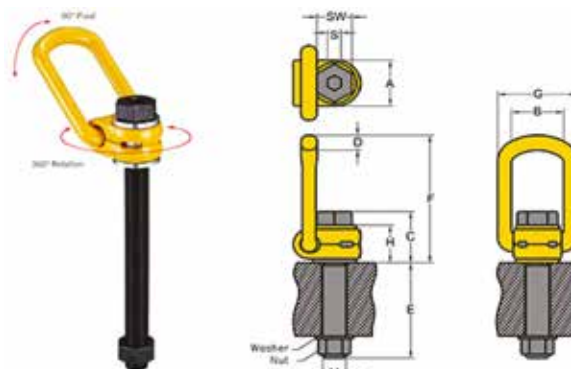
Dimensional Specifications

Part Code	WLL tonnes	Thread M mm	Thread E mm	Thread Pitch DIN13	A mm	B mm	C mm	D mm	F mm	G mm	H mm	S mm	SW mm	Torque in Nm	Mass kg
8-211-003/ 105L	0.3	M8	76	1.25	30	35	35	10	85	55	29	6	13	30	0.3
8-211-006/ 125L	0.63	M10	96	1.5	30	35	36	10	85	55	29	6	17	60	0.4
8-211-010/ 150L	1	M12	114	1.75	33	37	44	14	98	57	36	8	19	100	0.6
8-211-015/ 185L	1.5	M16	149	2	33	37	46	14	98	57	36	10	24	150	0.7
8-211-025/ 230L	2.5	M20	186	2.5	50	54	57	17	140	82	44	12	30	250	1.7
8-211-040/ 265L	4	M24	221	3	50	54	59	17	140	82	44	14	36	400	2.1
8-211-050/ 340L	5	M30	278	3.5	60	65	81	23	170	99	62	17	46	500	4.3
8-211-080/ 300L	8	M36	222	4	77	85	101	27	225	124	78	22	55	800	7.3
8-211-100/ 350L	10	M42	272	4.5	77	85	104	27	225	124	78	24	65	1000	8.7
8-211-150/ 350L	15	M42	264	4.5	95	104	112	36	256	158	86	24	65	1500	13.1
8-211-200/ 385L	20	M48	295	5	95	104	120	36	259	158	90	27	75	2000	15.2

rss Lifting Accessories

Lifting Point Long Bolt Working Load Application Factors

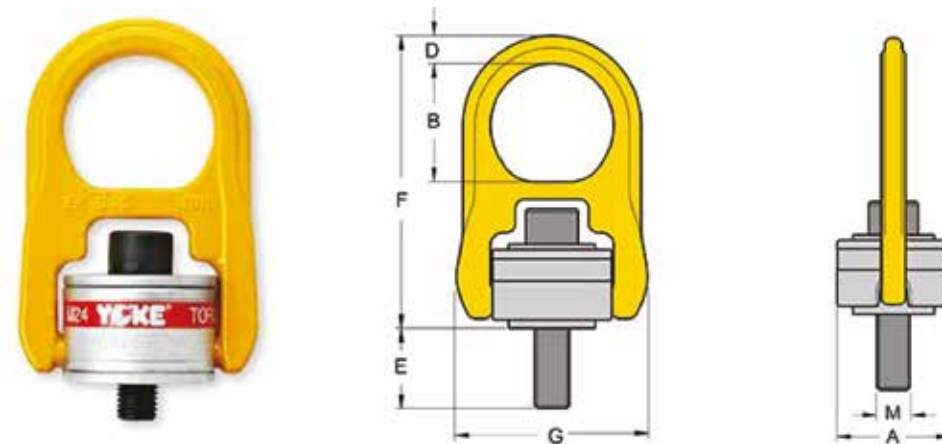
											
Number of legs		1	2	1	2	2	2	3-4	3-4		
Load Direction		0°	0°	90°	90°	0-45°	45-60°	unsymm.	0-45°	45-60°	unsymm.
Part Code	Thread	WLL Tonnes									
8-211-003/10 SL	M8	0.3	0.6	0.3	0.6	0.42	0.3	0.3	0.63	0.45	0.3
8-211-006/12 SL	M10	0.63	1.26	0.63	1.26	0.68	0.63	0.63	1.32	0.95	0.63
8-211-010/15 SL	M12	1	2	1	2	1.4	1	1	2.1	1.5	1
8-211-015/18 SL	M16	1.5	3	1.5	3	2.1	1.5	1.5	3.1	2.2	1.5
8-211-025/23 SL	M20	2.5	5	2.5	5	3.5	2.5	2.5	5.2	3.7	2.5
8-211-040/26 SL	M24	4	8	4	8	5.6	4	4	8.4	6	4
8-211-050/34 SL	M30	5	10	5	10	7	5	5	10.5	7.5	5
8-211-060/30 SL	M36	8	16	8	16	11.2	8	8	16.8	12	8
8-211-100/35 SL	M42	10	20	10	20	14	10	10	21	15	10
8-211-150/35 SL	M42	15	30	15	30	21	15	15	31.5	22.5	15
8-211-200/38 SL	M48	20	40	20	40	28	20	20	42	30	20



rss Lifting Accessories

- Rotates through 360° and pivots 180°, rated at 100% at 90° angle.
- Manufactured from forged alloy steel, quenched and tempered.
- Manufactured and tested in accordance with EN1677-1.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test Certification.
- Bolts are Metric thread (ASME / ANSI B18.3.1M).
- Proof tested to 2.5 times the WLL. on the 4 : 1 factor.
- Fatigue rated to 1.5 times the WLL.
- Design Factor 4 : 1
- All YOKE Lifting points meet or exceed all the requirements of ASME B30.26.
- Quick and simple assembly, just a tapped hole is required.

Yoke Swivel Hoist Ring - type 203 metric thread with alloy steel washer



Dimensional Specifications

Part Code	WLL tonnes	WLL tonnes	Thread M	A mm	B mm	D mm	E mm	F mm	G mm	Torque Nm	Mass Kg	CAD Files
	5 : 1	4 : 1										
8-203-004	0.40	0.50	M8 x 1.25	40	41	9	17	102	65	10	0.4	Format
8-203-005	0.45	0.55	M10 x 1.5	40	41	9	11	102	65	16	0.5	Format
8-203-010	1.05	1.30	M12 x 1.75	65	64	15	15	158	105	38	1.7	Format
8-203-019	1.90	2.40	M16 x 2	65	64	15	20	158	105	81	1.8	Format
8-203-021	2.15	2.70	M20 x 2.5	65	64	15	25	158	105	136	1.8	Format
8-203-042	4.20	5.25	M24 x 3	85	79	19	26	204	134	312	4.2	Format
8-203-070	7.00	8.75	M30 x 3.5	100	100	25	81	241	160	637	6.6	Format
8-203-110	11.00	13.75	M36 x 4	120	111	30	76	286	194	1005	15.0	Format
8-203-125	12.50	15.60	M42 x 4.5	120	111	30	65	286	220	1005	16.0	Format
8-203-135	13.50	16.90	M48 x 5	120	111	30	70	286	220	1350	16.0	Format

Bolt in GEOMET finish on request.

rss Lifting Accessories

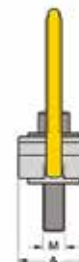
USES

Swivel Hoist Ring uses can be as follows:

- Heavy duty flexible attachment point
- Suited for lifting objects with no obvious attachment points
- Mold and die handling
- Pump and valve handling

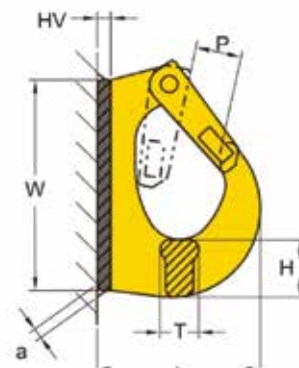
Swivel Hoist Ring - Type 203 Working Load Application Factors

Number of legs		1	2	1	2	2	2	2	3-4	3-4	3-4
Load Direction		0°	0°	90°	90°	0-45°	45-60°	unsym.	0-45°	45-60°	unsym.
Part Code	Thread	WLL tonnes									
8-203-004	M8	0.5	1	0.5	1	0.7	0.5	0.5	1.05	0.75	0.5
8-203-005	M10	0.55	1.1	0.55	1.1	0.77	0.55	0.55	1.16	0.83	0.55
8-203-010	M12	1.3	2.6	1.3	2.6	1.82	1.3	1.3	2.73	1.96	1.3
8-203-019	M16	2.4	4.8	2.4	4.8	3.36	2.4	2.4	5.04	3.6	2.4
8-203-021	M20	2.7	5.4	2.7	5.4	3.78	2.7	2.7	5.67	4.05	2.7
8-203-042	M24	5.25	10.5	5.25	10.5	7.35	5.25	5.25	11.03	7.86	5.25
8-203-070	M30	8.75	17.5	8.75	17.5	12.25	8.75	8.75	18.38	13.13	8.75
8-203-110	M36	13.75	27.5	13.75	27.5	19.25	13.75	13.75	28.88	20.63	13.75
8-203-125	M42	15.6	31.2	15.6	31.2	21.84	15.6	15.6	32.76	23.4	15.6
8-203-135	M48	16.9	33.8	16.9	33.5	23.66	16.9	16.9	35.49	25.35	16.9



* Designed to be a permanent slinging attachment point for jibs and arms on mobile excavators.

Weld On Hook *

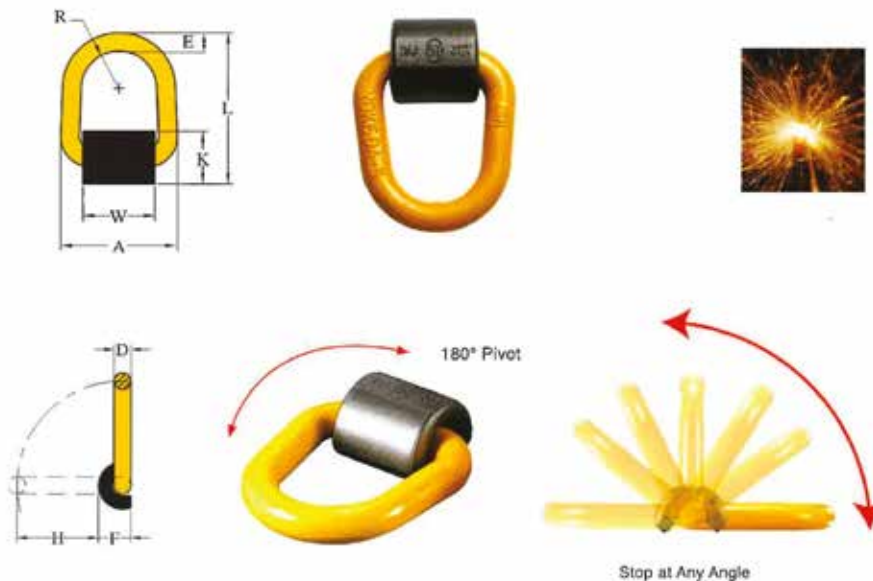


METRIC SPECIFICATIONS

Part Code	WLL tonnes	F mm	H mm	L mm	P mm	T mm	W mm	HV mm	a mm	Box Quantity	Mass Kg
8-081-01	1.0	25	27	70	18	18	95	7	4	24	0.6
8-081-02	2.0	30	30	85	25	20	115	8	5	18	1.0
8-081-03	3.0	35	30	107	28	23	133	9	6	12	1.4
8-081-04	4.0	42	38	114	28	30	142	10	7	12	2.2
8-081-05	5.0	44	47	135	30	31	167	12	7	6	3.0
8-081-08	8.0	50	52	137	32	39	176	12	8	6	3.7
8-081-10	10.0	56	56	170	44	42	222	13	8	4	6.2

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Weld On Lifting Point



METRIC SPECIFICATIONS

Part Code	WLL tonnes	A mm	D mm	E mm	F mm	H mm	K mm	L mm	R mm	W mm	Mass Kg
8-057-1T	1.0	83	14	14	27	57	40	109	24	50	0.5
8-057-3T	3.0	98	17	17	31	53	48	114	29	58	0.9
8-057-5T	5.0	120	22	22	41	77	63	157	33	64	1.3
8-057-8T	8.0	121	26	26	54	69	73	169	34	61	2.6
8-057-10T	10.0	146	20	30	54	88	73	191	41	75	3.1
8-057-20T	20.0	187	25	38	70	106	93	234	50	91	6.5

**OVERNIGHT
DELIVERY
INCLUDING TEST
CERTIFICATE**
0800 6124 360

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load angle
 $\beta = 0-45^\circ$

45° > 45-60°

60°

inclination angles
> 60° are forbidden!

Please regard the RUD user instructions! Service and inspection at regular intervals. Correct handling.

RUD®

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RUD®
Tradition in Dynamic Innovation

Load Tables
Lifting Points / Lifting Chains

VIP 100 **ICE i20**

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email: sales@rssgroup.co.uk

Lifting chains – Grade 80 / 100 / 120





Working Load Limit in [t] at symmetrical load

Lifting Chains Grade 80

Lifting Chains VIP 100 Grade 100

Lifting Chains ICE 120 Grade 120



		1-leg	2-leg	3- and 4-leg	2 x 2-leg balancer		
							
load angle β		0	0-45° 1.4	> 45-60° 1	0-45° 2.1	> 45-60° 1.5	0-45° 2.8
load factor		1					
chain diameter	grade						
4	VIP-10	0.63	0.88	0.63	1.32	0.95	—
4	ICE-12	0.8	1.12	0.8	1.7	1.18	—
6	GK-8	1.12	1.6	1.12	2.36	1.7	—
6	VIP-10	1.5	2.1	1.5	3.15	2.25	4.2
6	ICE-12	1.8	2.5	1.8	3.75	2.7	5.1
8	GK-8	2	2.8	2	4.25	3	—
8	VIP-10	2.5	3.5	2.5	5.25	3.75	7
8	ICE-12	3	4.25	3	6.3	4.5	8.4
10	GK-8	3.15	4.25	3.15	6.7	4.75	—
10	VIP-10	4	5.6	4	8.4	6	11.2
10	ICE-12	5	7.1	5	10.6	7.5	14.1
13	GK-8	5.3	7.5	5.3	11.2	8	—
13	VIP-10	6.7	9.5	6.7	14	10	19
13	ICE-12	8	11.2	8	17	11.8	22.4
16	GK-8	8	11.2	8	17	11.8	—
16	VIP-10	10	14	10	21.2	15	28
16	ICE-12	12.5	17	12.5	26.5	19	35
18	GK-8	10	14	10	21.2	15	—
20	GK-8	12.5	17	12.5	26.5	19	—
20	VIP-10	16	22.4	16	33.6	24	45
22	GK-8	15	21.2	15	31.5	22.4	—
22	VIP-10	20	28	20	42	30	56
26	GK-8	21.2	30	21.2	45	31.5	—
28	VIP-10	31.5	45	31.5	67*	47.5*	88.2
32	GK-8	31.5	45	31.5	67	47.5	—

DGVW-R 100-500 (former BGR 500) chap. 2.8: When using multiple leg slings in an unsymmetrical lift the 1-leg WLL becomes valid. When choke hitch is applied the WLL has to be reduced by 20%!

DGV-R 100-500 (former BGR 500) chap. 2.8: When using multiple leg slings in an unsymmetrical lift the 1-leg WLL becomes valid. When choke hitch is applied the WLL has to be reduced by 20%!

ATTENTION! Before each use of sling chains mind the certification stamp acc. to DIN EN 818, to avoid mixing of sling chains of different quality grades and non-proved chains. Please observe user instruction!
*2 x 2 leg version.



Lifting Points – for welding

max. transport weight in [t]

VRBS-FIX / VIP Load ring FIX weldable

directions of pull...	for 1 lifting point	for 2 lifting point	for 3 lifting point	for 4 lifting point
designation				
VRBS-FIX-4t	4	4	5.6	8.4
VRBS-FIX-6.7t	6.7	6.7	9.4	14.1
VRBS-FIX-10t	10	10	14	21.2
VRBS-FIX-16t	16	16	22.4	33.6
VRBS-FIX-31.5t	31.5	31.5	45	67
VRBS-FIX-50t	50	50	70	105
VRBS-FIX-100t	100	100	140	210



- ✓ pivots up to 180°
- ✓ no crevice corrosion: endless HY weld seam
- ✓ 100% WLL at 90° in the load ring plane possible

VRBK-FIX / VIP Load ring FIX weldable for edges

directions of pull...	for 1 lifting point	for 2 lifting point	for 3 lifting point	for 4 lifting point
designation				
VRBK-FIX-4t	4	4	5.6	8.4
VRBK-FIX-6.7t	6.7	6.7	9.4	14.1
VRBK-FIX-10t	10	10	14	21.2
VRBK-FIX-31.5t	31.5	31.5	45	67
VRBK-FIX-50t	50	50	70	105



- ✓ pivots up to 270°
- ✓ no crevice corrosion: endless HY weld seam
- ✓ Ideal for use on edges. Save up to half the number of lifting points.

ABA / Weldable lifting Point – full WLL in all directions

directions of pull...	for 1 lifting point	for 2 lifting point	for 3 lifting point	for 4 lifting point
designation				
ABA-0.8t	2	0.8	1.12	1.6
ABA-1.6t	4	1.6	2.2	3.4
ABA-3.2t	9	3.2	4.5	6.7
ABA-5t	12	5	7	10.5
ABA-10t	20	10	14	21.2
ABA-20t	20	20	28	42
ABA-31.5t	31.5	31.5	45	67



- ✓ forged lifting point
- ✓ clear marking of the minimum WLL
- ✓ circular fillet weld

* = At inclination angles > 45-60° the WLL must be reduced by 30 %.

ADVICE! If the load is distributed asymmetrically, a single lifting point must be able to bear the entire load!

rss Lifting Accessories



Lifting Points – for bolting

max. transport weight in [t]

ICE-LBG-SR / ICE Load ring for bolting **SUPER ROTATION**

directions of pull...	for 1 lifting point	for 2 lifting points	for 3 lifting points	for 4 lifting points
designation thread size				
ICE-LBG-SR 0.6 t M8	0.6	0.6	0.84	1.26
ICE-LBG-SR 0.9 t M10	0.9	0.9	1.3	1.9
ICE-LBG-SR 1.35 t M12	1.35	1.35	1.9	2.84
ICE-LBG-SR 2.5 t M16	2.5	2.5	3.5	5.25
ICE-LBG-SR 3.5 t M20	3.5	3.5	4.9	7.35
ICE-LBG-SR 4.5 t M24	4.5	4.5	6.3	9.5
ICE-LBG-SR 6.7 t M30	6.7	6.7	9.4	14.1

* = At inclination angles > 45-60° the WLL must be reduced by 30 %.
ADVICE! If the load is distributed asymmetrically, a single lashing point must be able to bear the entire load!



- ✓ ICE-bolt made out of patented steel
- ✓ double SR ball-bearing, rotating 360° under load

✓ swivelling 360°, suspension ring pivots 180°



VLBG-PLUS / VIP Load ring for bolting PLUS

directions of pull...	for 1 lifting point	for 2 lifting points	for 3 lifting points	for 4 lifting points
designation thread size				
VLBG-PLUS-0.63 t-M8	0.63	0.63	0.88	1.32
VLBG-PLUS-0.9 t-M10	0.9	0.9	1.3	1.9
VLBG-PLUS-1.35 t-M12	1.35	1.35	1.9	2.84
VLBG-1.2 t-M14	1.2	1.2	1.68	2.52
VLBG-PLUS-2 t-M16	2	2	2.8	4.25
VLBG-2 t-M18	2	2	2.8	4.25
VLBG-PLUS-3.5 t-M20/M22	3.5 (2.5)	3.5 (2.5)	4.9 (3.5)	7.35 (5.25)
VLBG-PLUS-4.5 t-M24/M27	4.5 (4)	4.5 (4)	6.3 (5.6)	9.5 (8.4)
VLBG-PLUS-6.7 t-M30	6.7	6.7	9.4	14.1
VLBG-PLUS-7 t-M36	7	7	9.8	14.7
VLBG-PLUS-8 t-M36	8	8	11.2	17
VLBG-PLUS-10 t-M42	10	10	14	21.2
VLBG-PLUS-15 t-M42	15	15	21.2	31.5
VLBG-PLUS-20 t-M48	20	20	28	42

EXPLANATION: boltable RUD lifting points are factory-provided equipped with a RFID chip.

RUD System



**M8-M30:
45 % higher
WLL at an
average**

- ✓ ICE-bolt made out of patented steel
- ✓ lifting point pivots 360°, suspension ring pivots 180°
- ✓ clamping springs works as a nose reduction



Lifting Points – for bolting

max. transport weight in [t]

VRS / Vario eye bolt "STARPOINT"

directions of pull...	for 1 lifting point	for 2 lifting points	for 3 lifting points	for 4 lifting points
designation thread size				
VRS-0.1 t-M6	0.5	0.1	0.14	0.21
VRS-0.3 t-M8	1	0.3	0.42	0.63
VRS-0.4 t-M10	1	0.4	0.56	0.84
VRS-0.75 t-M12/M14	2	0.75	1	1.57
VRS-1.5 t-M16/M18	4	1.5	2.12	3.15
VRS-2.3 t-M20/M22	6	2.3	3.22	4.83
VRS-3.2 t-M24/M27	8	3.2	4.5	6.7
VRS-4.5 t-M30/M33	12	4.5	6.3	9.5
VRS-7 t-M36	16	7	9.8	14.7
VRS-9 t-M42	24	9	12.6	18.9
VRS-12 t-M48	32	12	16.8	25.2
VRS-12 t-M56	50	16	22.4	33.6
VRS-12 t-M64	60	20	28	42



✓ Pivoting 360°. Easy adjustment in load direction.

✓ ICE-bolt made out of patented steel

✓ Easy-Fit star profile key



VWBG-V / VWBG / VIP Load ring for bolting -Vario

directions of pull...	for 1 lifting point	for 2 lifting points	for 3 lifting points	for 4 lifting points
designation thread size				
VWBG-V-0.3 t-M8	0.6	0.3	0.42	0.63
VWBG-V-0.45 t-M10	0.9	0.45	0.63	0.94
VWBG-V-0.6 t-M12	1.2	0.6	0.84	1.26
VWBG-V-1 t-M14	2	1	1.4	2.1
VWBG-V-1.3 t-M16	2.6	1.3	1.82	2.73
VWBG-V-1.8 t-M18	3.6	1.8	2.52	3.78
VWBG-V-2 t-M20/M22	4	2	2.8	4.2
VWBG-V-3.5 t-M24/M27	7	3.5	4.9	7.35
VWBG-V-5 t-M30	10	5	7	10.5
VWBG-6 t-M33	15	6	8.4	12.6
VWBG-8 t-M36-M39	15	8	11.2	17
VWBG-12 t-M42-M45	17	12	16.8	25.2
VWBG-12 t-M45	18	12	16.8	25.2
VWBG-13 t-M48-M52	18	13	18.2	27.3
VWBG-14 t-M52	25	14	19.6	29.4
VWBG-16 t-M56-M62	28	16	22.4	33.6
VWBG-16 t-M64-M76	28	16	22.4	33.6
VWBG-31.5 t-M72-M76	50	31.5	45	67
VWBG-35 t-M80-M85	50	35	49	73.5
VWBG-35 t-M90-M150	50	40	56	84



✓ Pivoting 360°. Suspension ring pivots 230°.

✓ ball bearing

✓ patented markings (withdraw of service & load angles)



ADVICE! Special threads possible! Variable thread lengths available. If the load is distributed asymmetrically, a single lashing point must be able to bear the entire load!



Lifting Points – for bolting

max. transport weight in [t]

PP-S / PowerPoint®-Star (universal connection)
PP-B / PowerPoint®-B (ring connection)
PP-VIP / PowerPoint®-VIP chain connection

directions of pull...	for 1 lifting point	for 2 lifting point	for 4 lifting point
designations thread size	G	G	G
PP-0.63t-M12	0.63	0.63	0.88
PP-1.5t-M16	1.5	1.5	2.12
PP-2.5t-M20	2.5	2.5	3.5
PP-4t-M24	4	4	5.6
PP-5t-M30	6.7	5	7
PP-8t-M36	10	8	11.2



✓ Pivoting 360°
Suspension ring
pivots 230°

✓ double ball bearing

✓ can be combined
with most commercial
lifting means

ADVICE! If the load is distributed asymmetrically, a single lashing point must be able to bear the entire load!

Inspection and documentation made easy!

RUD ID System

RUD-ID-POINT®



The components are equipped with the **RUD-ID-Point®** (RFID-Chip) and can be clearly identified by the distinctive chip number.

RUD-ID-READER



The robust **RUD-ID-READER** (reading device) captures the identification number of the **RUD-ID-Point®** and transmits it to the test software **AYE-D.NET** or optionally to your PC applications (e.g. MS Word, Excel, WordPad, SAP), etc.

AYE-D.NET



The expandable test software **AYE-D.NET** assists you with managing and documenting your components.



Lifting Points – for welding

max. transport weight in [t]

WPP-S / **WPPH-S** / PowerPoint®-Star for welding
WPP-B / **WPPH-B** / PowerPoint®-B (ring connect.) for welding
WPP-VIP / **WPPH-VIP** / PowerPoint®-VIP chain connect.

directions of pull...	for 1 lifting point	for 2 lifting point	for 4 lifting point
designations	G	G	G
WPP-0.63t	0.63	0.63	0.88
WPP-1.5t	1.5	1.5	2.1
WPP-2.5t	2.5	2.5	3.5
WPP-4t	4	4	5.6
WPP-5t	6.7	5	7
WPP-8t	10	8	11.2
WPPH-0.63t	0.63	0.63	0.88
WPPH-1.5t	1.5	1.5	2.1
WPPH-2.5t	2.5	2.5	3.5
WPPH-4t	4	4	5.6
WPPH-5t	6.7	5	7
WPPH-8t	10	8	11.2



WPP versions



WPPH versions / fixed

✓ can be combined
with most commercial
lifting means

✓ WPP: Pivoting 360°
Suspension ring
pivots 230°

✓ WPP: double ball
bearing

* = At inclination angles > 45-60° the WLL must be reduced by 30%.

VLBS / **VLBS-U** / VIP Load ring for welding / -undetachable
LBS-RS / Load Ring weldable stainless steel

directions of pull...	for 1 lifting point	for 2 lifting point	for 4 lifting point
designations	G	G	G
VLBS / VLBS-U-1.5t	1.5	1.5	2.1
VLBS / VLBS-U-2.5t	2.5	2.5	3.5
VLBS / VLBS-U-4t	4	4	5.6
VLBS / VLBS-U-6.7t	6.7	6.7	9.5
VLBS / VLBS-U-10t	10	10	14
VLBS-16t	16	16	22.4
LBS-(T)-RS-0.5t	0.5	0.5	0.7
LBS-(T)-RS-1t	1	1	1.4
LBS-(S)-RS-2t	2	2	2.8



✓ suspension ring
pivots 180°

✓ 100% WLL at 90°
in the load ring
please possible

✓ suspension ring can
be adjusted into
required position

rss Lifting Accessories



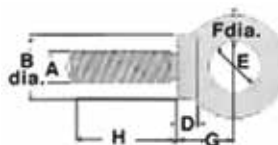
Eye bolts

- Collared eyebolts
- Long shank collared eyebolts
- EBCM collared eyebolts

Tested and certified
See charts

Eye bolts

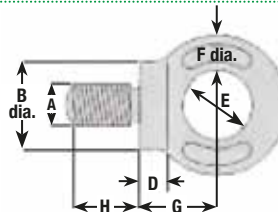
- Long shank collared eyebolts
- Tested and certified
See chart



SWL tonnes	Dimensions								Weight kgs/each	BSW Thread Product Code	Metric Thread Product Code
	A inches	A mm	B mm	D mm	E mm	F mm	G mm	H mm			
0.50	1/2"	M12	28	10	19	11	25	178	0.20	EBLS050	EBLSM12
0.90	5/8"	M16	36	12	24	14	32	178	0.50	EBLS090	EBLSM16
1.40	3/4"	M20	43	14	28	17	38	178	0.80	EBLS014	EBLSM20
2.00	7/8"	M22	50	17	33	20	44	178	1.00	EBLS200	EBLSM22
2.75	1"	M24	57	19	38	22	51	178	1.50	EBLS275	EBLSM24
4.50	1 1/4"	M30	71	24	48	28	64	178	2.90	EBLS450	EBLSM30

Eye bolts

- EBCM collared eyebolts -
Metric to BS4278 Part 1 1984
- Tested and certified
See chart



SWL tonnes	Dimensions								Metric Thread
	A mm	B mm	D mm	E mm	F mm	G mm	H mm	Weight kgs/each	Product Code
0.10	M6	22	7	15	9	20	18	0.07	EBCM06
0.15	M8	22	7	15	9	20	18	0.07	EBCM08
0.33	M10	22	7	15	9	20	18	0.07	EBCM10
0.40	M12	22	7	15	9	20	18	0.07	EBCM12
0.80	M16	29	10	20	12	26	23	0.16	EBCM16
1.00	M18	36	12	24	14	32	28	0.28	EBCM18
1.60	M20	40	14	27	16	36	32	0.44	EBCM20
1.60	M22	45	15	30	18	40	35	0.56	EBCM22
2.50	M24	52	17	35	21	46	40	0.84	EBCM24
4.00	M30	65	22	44	26	58	51	1.66	EBCM30
5.00	M33	72	24	48	28	64	56	2.24	EBCM33
6.30	M36	81	27	54	32	72	63	3.17	EBCM36
6.30	M39	90	30	60	36	80	70	3.92	EBCM39
8.00	M42	101	34	68	40	90	79	6.00	EBCM42
8.00	M45	101	34	68	40	90	79	6.00	EBCM45
10.00	M48	101	34	68	40	90	79	6.00	EBCM48
12.50	M52	115	38	76	46	102	89	9.00	EBCM52

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rss Manual Chain Hoists



Hand Operated Heavy Duty Chain hoists

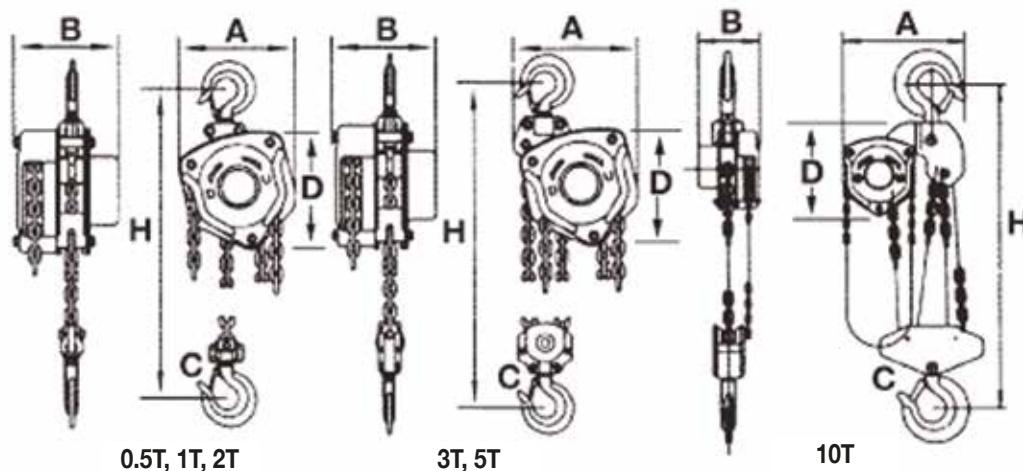
Available from 250kg
to 30 tonne

Lengths of chain
available to suit your
requirements

Standard length
3mtr, but can chain
the hoist longer if
required

Industrial safety
catches

Swivel hooks top &
bottom



Capacity Kgs	Height of Lift Mtrs	A mm	B mm	C mm	D mm	H mm mini	Load Chain Dia/mm	Falls of Load Chain	Weight Kgs/each
500	3	137	131	21.5	145	270	6	1	11
1,000	3	158	140	27	182	317	6	1	14.5
1,500	3	174	161	33	204	399	8	1	19
2,000	3	187	161	30	219	414	8	1	22
3,000	3	199	161	37	219	465	8	2	29
5,000	3	253	186	46	252	636	10	2	48
10,000	3	398	207	51	236	798	10	4	97

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rss Lever Hoists



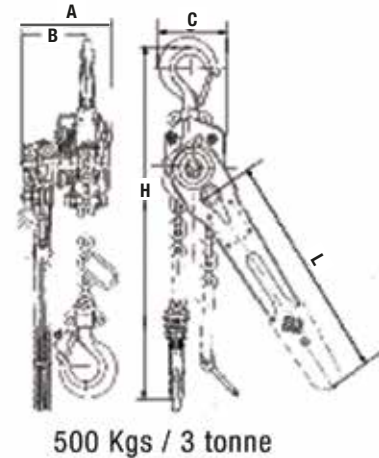
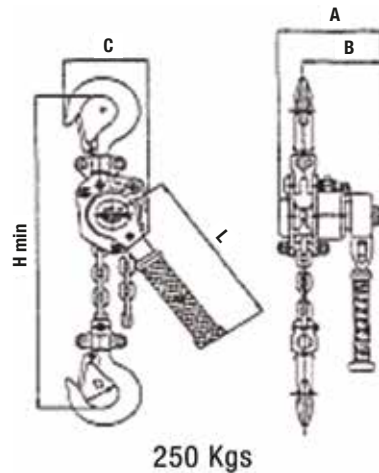
Lever Hoists

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

Available from 250kg to 9 tonne

Standard length is 1.5 metres but we can chain the hoist longer if you require

Industrial safety catches



Capacity Kgs	A mm	B mm	C mm	L mm	D mm	H mm min	Load Chain Dia. mm	Weight Kgs	No of Falls
250	92	72	85	30	23	160	4	1.8	1
500	110	80	95	30	28	300	5	4.5	1
750	155	95	135	285	30	320	6	7.2	1
1,500	180	105	155	370	36	380	8	11.5	1
3,000	215	130	200	420	40	480	10	21	1
6,000	215	130	200	420	50	600	10	31	2
9,000	200	115	320	410	58	700	10	44	3

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rss Beam Clamps



Beam Clamps

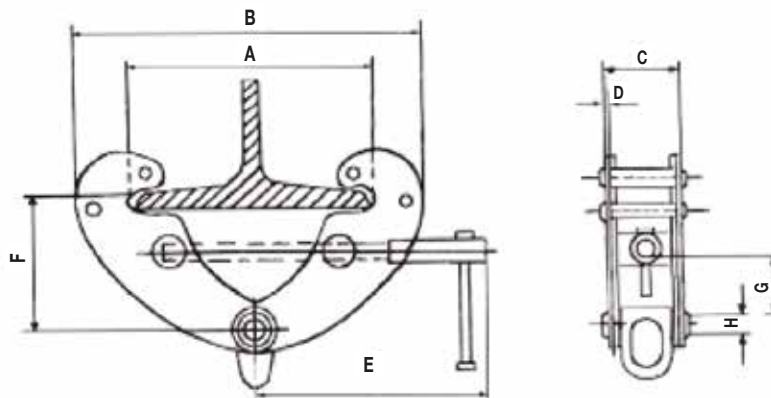
Adjustable Beam
Clamps. Tested and
certified.



Available from
1 tonne to 10
tonne

Easy screw bar
to adjust beam
widths

Large suspension
eye



Capacity kgs	Adj- Beam Width mm	A max mm	min mm	B max mm	C mm	D mm	E mm	Closed mm	F Open mm	G min mm	H mm	Weight Kgs/ each
1,000	70-245	270	183	375	66	4	210	165	102	25	20	4.4
2,000	70-245	270	183	375	74	6	210	165	102	25	20	5.1
3,000	70-355	365	240	520	103	8	258	225	135	45	22	10.5
5,000	70-355	365	240	520	111	10	258	225	135	45	28	17
10,000	80-350	365	260	520	180	12	280	230	160	50	38	19

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rss Beam Trolley



Beam Trolley

Push Travel (Girder)
Trolleys. Tested and
certified.

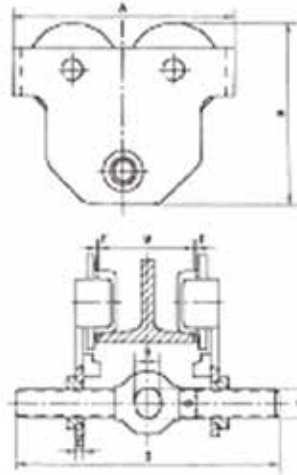


Available from
500kg to 5 tonne

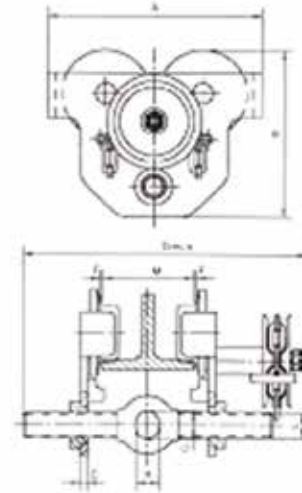
Easy screw bar
to adjust beam
widths

Bearings on
rollers

Large suspension
eye



Push Travel (Girder) Trolleys



Geared Type (Girder) Travel Trolleys

Capacity Kgs	Min Radius Curve in Mtrs	A mm	D mm	B mm	C mm	H mm	E mm	Adjustable Beam Width mm	Weight Each Kgs
500	0.9	225	224	177	8	25	27	50-220	8.5
1,000	1.0	252	283	188	10	30	30	50-220	10.5
2,000	1.2	300	293	226	12	40	38	66-220	18
3,000	1.3	360	307	290	14	48	45	74-220	32
5,000	1.4	400	312	313	16	60	52	90-220	48.5

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rss Gantries & Shear Legs



PORTA-BASE

PORTA-BASE is our flexible, portable socket base for the PORTA-DAVIT 500 jib crane system, with goods and personnel lifting capability.



PORTA-GANTRY

The PORTA-GANTRY range of lightweight, portable gantries brings a new dimension to the professional lifting market.



T-DAVIT

T-DAVIT is lightweight, portable, custom-designed and manufactured around the specific needs of each customer.



PORTA-DAVIT

The portable, aluminium alloy davit from REID Lifting, comes in WLL 500kg and 1000kg models.



PORTA-QUAD

Our mobile yet stable lifting structure is perfectly designed for lifting with higher stability and safety factor than tripod systems.



SOCKETS & EXTENSIONS

Complete your lifting solution with our diverse range of sockets and accessories.

rss Load Measuring



Load Links & Shackles

- Load links & load shackles available from 50kg to 500 tonne (larger available on request.)
- Many of the smaller units can be calibrated to 1kg increments
- Hand held digital readout with a 10 metre lead (longer leads available)
- On many links you can tare back to zero (with a load already in place)
- Battery operated
- Automatic shut off if link is not used
- Supplied with shackles (when requested) link only
- Can be supplied with a heavy duty carrying case
- Shackles can be supplied in dee or bow type
- Submersible shackles can be supplied
- Radio Control models available



NOTE

Load shackles should not be selected for precision weighing or high accuracy load monitoring applications due to the practical difficulties associated with ensuring the load is axially applied through the shackle.

Compressive Load Cells

- Supplied singular or as a system
- Each cell has its own digital read out
- Supplied with 10mtrs of cable (longer available)
- 5 tonne, 20 tonne, 30 tonne & 50 tonne



Hand test weights

- Available 20kg, 25kg 56lbs
- Handle built in for ease of carrying
- Can be supplied verified/calibrated
- Weight cradle also supplied



Block weights

- Available 250kg, 500kg, 1 tonne & 2 tonne increments
- Can be supplied verified/calibrated
- Weight cradles also available
- Water weights also available
- Please contact us for more detailed information



rss Load Measuring



Jumboweigher

- Large bright LED display
- High accuracy
- Aluminium housing
- Power saving mode
- Push button tare
- Hold function
- Large keys make operation simple even if wearing gloves

A popular choice among steel service centres and other heavy industrial applications, the Jumboweigher crane scale offers a cost-effective alternative to its more expensive rivals yet a safe option over low cost crane weighers. The Jumboweigher series of crane scales offers high capacity, quality, accuracy, and safety at low capacity prices and are utilised worldwide in a variety of manufacturing and industrial applications.



Miniweigher plus

- Large 25mm/1" LCD Display
- High Accuracy
- Selectable Units te, lbs, kN & kg
- High Resolution
- Compact Size
- Tare
- Preset Tare
- Lightweight
- Overload Counter
- 90dB Audible Set Point Alarm
- RS-485 Serial Output
- Corrosion Resistant Finish

This small and compact mini crane weigher scale will suit most lifting applications. Available in capacities from 100kg to 5t. The Miniweigher plus crane scale offers robust construction, high accuracy, compact size and extreme portability.

Optional connection to Straightpoint's Handheld plus (SU3343) or Straightpoint's Desktop controller data logging software package (DCP10M).

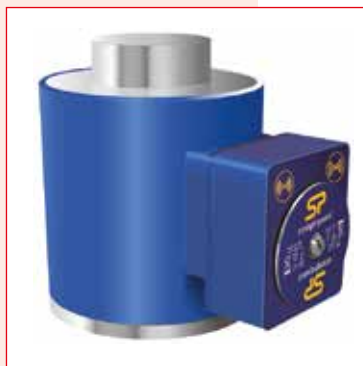
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rss Load Measuring



Radiolink Plus

- Proprietary 2.4 GHz Wireless
- Remote On-Off from handheld display or software
- ATEX Zones 0, 1 & 2 available
- Design validated by F.E.A.
- 2 year warranty
- DNV-GL Type Approval
- Complies with ASME B30.26
- Bluetooth option is available and is supplied with a free HHP App for iOS and Android



The Straightpoint Wireless Compression Load Cell is a cost-effective alternative to standard compression load cells.

Wireless Compression Load Cell



- Proprietary 2.4 GHz wireless
- Industry leading wireless range of 700m/2300ft
- Connects to SW-MWLC, WCOGS & SW-PTP software
- Error free data transmission
- Internal antennae
- Environmentally sealed to IP67/NEMA 6
- No cable assemblies required
- Unrivalled resolution
- Unmatched battery life of 1200hrs
- Reduced maintenance cost
- Compact size
- Remote on-off
- Design validated by F.E.A.
- Bluetooth option is available and is supplied with a free HHP App for iOS and Android

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rss 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)

Minifor electric hoists

- 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

Scaff hoist

- 200kg capacity
- 25 metres height of lift
- 110 volt single phase
- Comes with all clamps & brackets

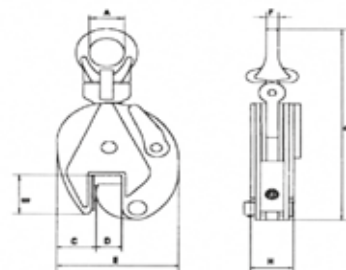


rss Plate Clamps & Magnets



Vertical plate clamps 500kg to 3 tonne

- Hardened steel jaws
- Locking mechanism
- Hinged attachment
- Fully serviceable
- Larger available up to 12t capacity

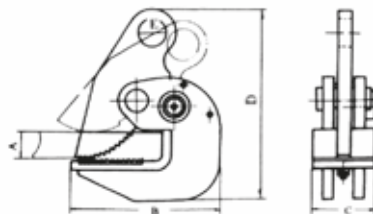


Capacity	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg
500kg	30	43	35	0-15	105	10	218	45	2
1 tonne	48	63	51	0-20	145	12	305	63	5
2 tonne	68	76	59	0-25	175	16	368	68	7.5
3 tonne	74	85	56	0-30	218	20	395	90	15.5



Horizontal plate clamps

- Industrial quality
- Quick & easy installation
- Locking mechanism
- Larger sizes available



Capacity	Jaw Opening mm	A max	B	C	D max	E
750kg ea (1.5 tonne per pair)	0-25	25	125	50	175	25
1.5 tonne ea (3 tonne per pair)	0-30	30	157	65	204	30
2.5 tonne ea (5 tonne per pair)	0-45	45	231	90	310	40



Lifting Magnets

- Heavy duty lifting magnets
- Rated from 100kg to 6 tonne
- Small footprint of base
- Easy to operate handle
- Large ring for connection
- Not suitable for very thin plate sheets, please contact us for operating instructions

rss Modular Spreader Beams



Our technical department

We are able to assist you on many things including:

- Design & Manufacture of custom made beams
- Guidance on Planning & Execution of the Lift
- Advise on Health & Safety surrounding the use of lifting beams
- Beam Accessories

Extensive range of beams for both hire and sale

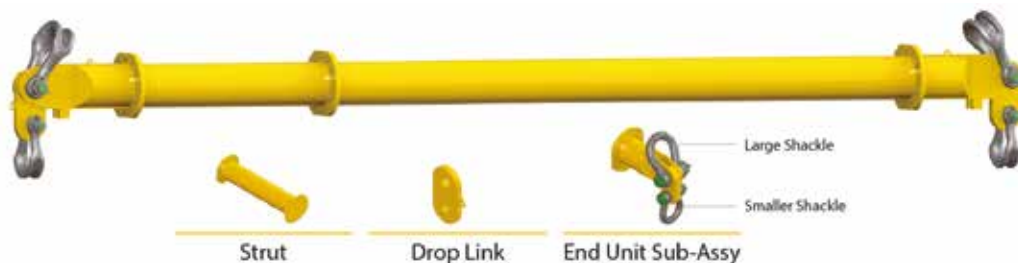
- Fixed Lifting Beams (1-10 tonne)
- Modular Spreader Beams (2-600 tonne)

The modular beam favoured by Rope & Sling Specialists is the Modulift System.

Modular Spreader Beams provide the ideal solution for most lifting requirements - versatile and cost-effective, the Modulift range has capacity from 2t to 5000t with spans up to 100m/330'. The modular configuration and interchangeable components enable Modulift Spreaders to be reused over many lifts. Designed by our engineering experts and manufactured in our own specialist facilities; the Modulift range are the leading Modular Spreader Beams on the market.

Spreader Beams up to 600t are in stock and available worldwide for distribution - please contact Rope & Sling Specialists for an immediate quote or further details.

Every Modulift Modular Spreader Beam consists of a pair of End Units and a pair of Drop Links, with interchangeable struts that can be bolted into the assembly between the End Units to either lengthen or shorten the beam to suit the requirements of the lift, making them reusable at different spans.



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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



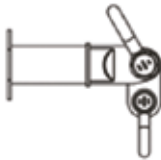
MOD 12

Top: 8.5t
Lower: 6.5t



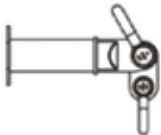
MOD 24

Top: 17t
Lower: 12t



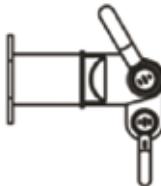
MOD 34

Top: 25t
Lower: 17t



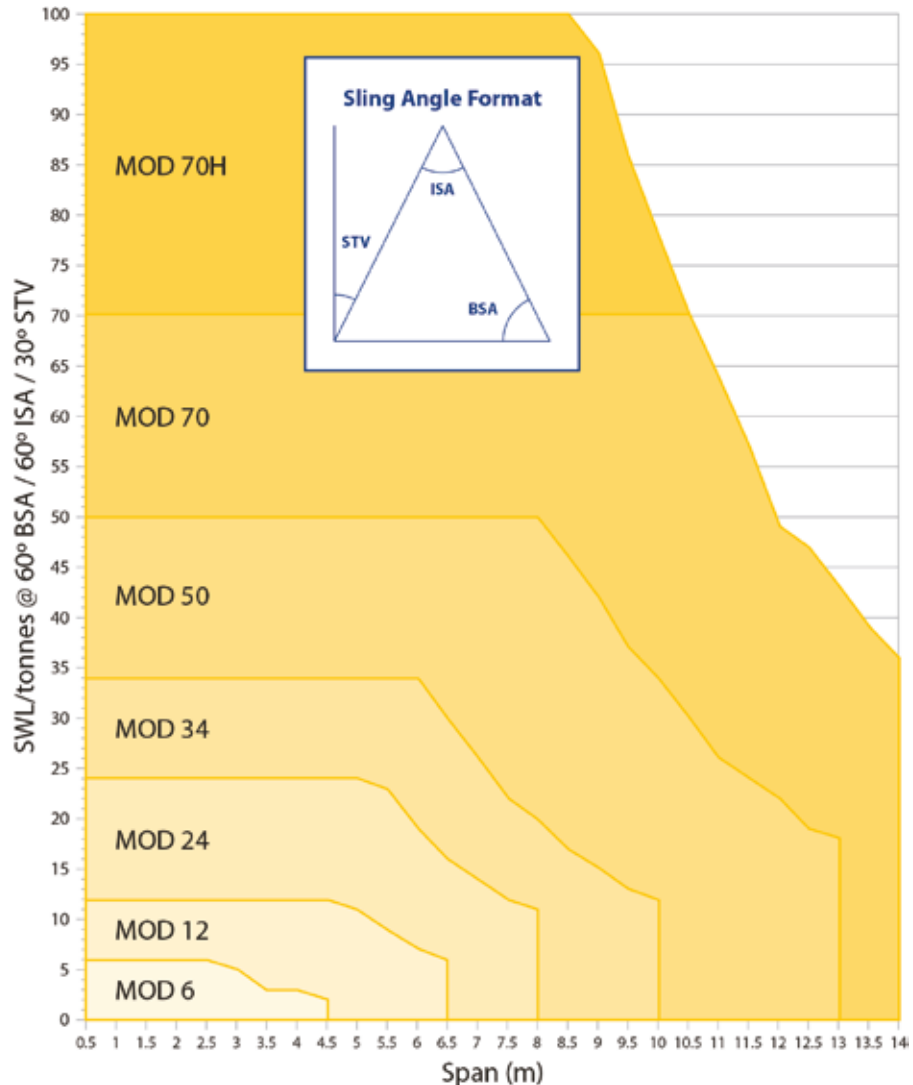
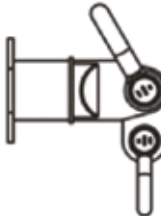
MOD 50

Top: 35t
Lower: 25t



MOD 70/H

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



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rss Modular Spreader Beams



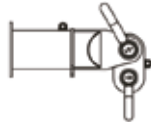
The Heavy Range

Load v Span Chart - Modulift Spreader Beam Heavy Range

What size shackle
do I need?

MOD 110 /H/SH

Top: 85t/120t/150t
Lower: 55t/85t/120t



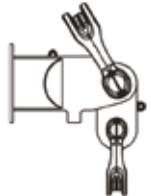
MOD 250

Top: 200t-300t
Lower: 125t-200t



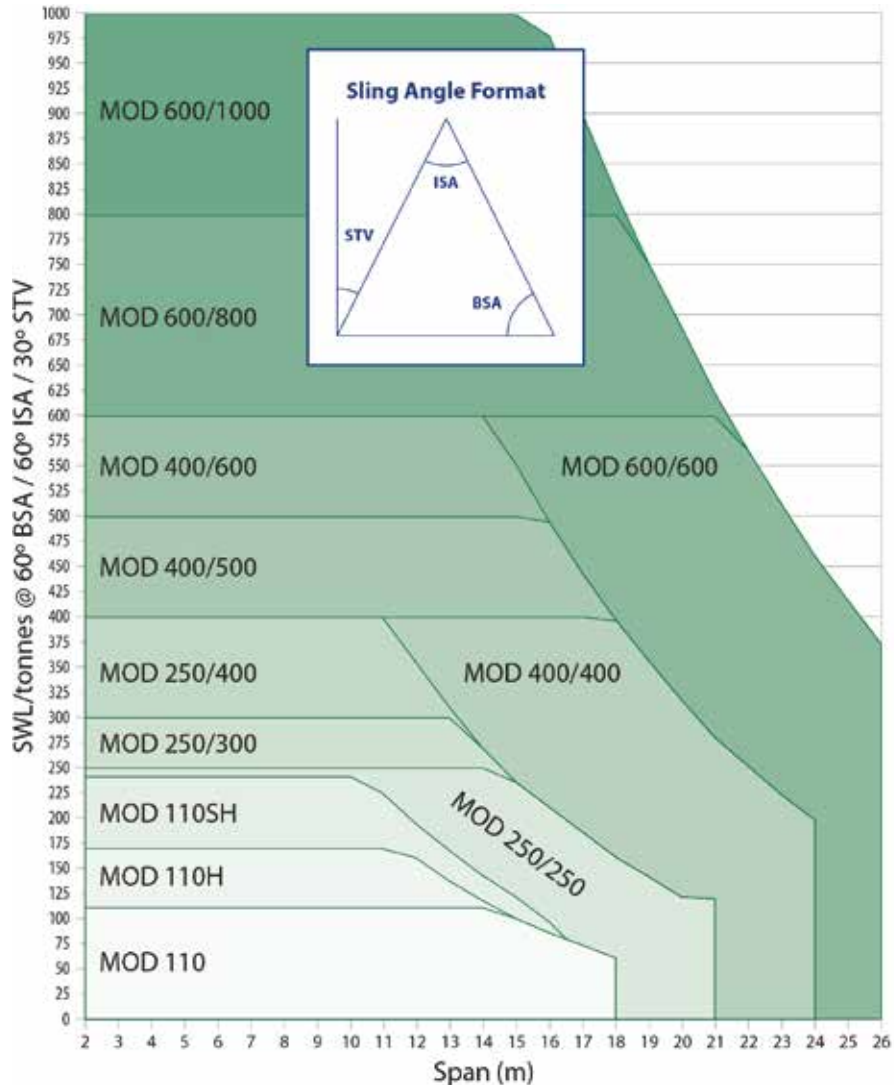
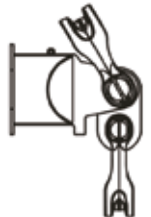
MOD 400

Top: 300t-400t
Lower: 200t-400t



MOD 600+

Top: 300t-600t
Lower: 200t-500t



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.



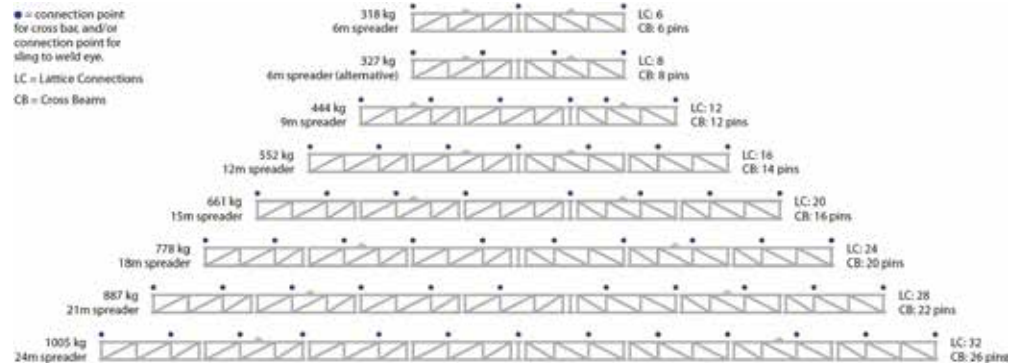
rss Lattice Spreader Beams

Modular Lattice Spreader Beams

Modular Lattice Spreader Beams are ideal for lifting longer, light loads. For example: fragile or flexible pipe sections or roof sheet packs that require multiple supporting lift points along the span.

The Lattice Spreader Beam has been designed to be lightweight for easy transportation and storage as well as being a cost-effective piece of lifting equipment

Lifting Points/Load Connection Points 6-24m Span



Spreader	Configuration (frame types)								No. of Crossbeams
6m	2	3	2						3 or 4
9m	2	1	3	2					6
12m	1	2	3	2	1				7
15m	1	2	1	3	2	1			8
18m	1	2	1	3	1	2	1		10
21m	1	2	1	1	3	1	2	1	11
24m	1	2	1	1	3	1	1	2	13

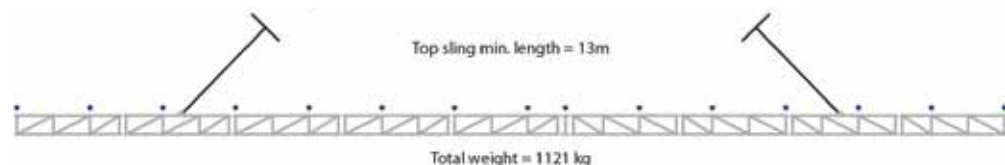
1=Type 1 Frame
2=Type 2 Frame
3=Type 3 Frame

Maximum 1.5m overhang of roofing sheet per end



Spreader	Configuration (frame types)										No. of Crossbeams
27m	1	2	1	1	1	3	1	1	2	1	15
Type 1 Frame x7 Type 2 Frame x2 Type 3 Frame x1	Maximum 1.5m overhang of roofing sheet per end										

Assembled 27m Lattice Spreader Beam

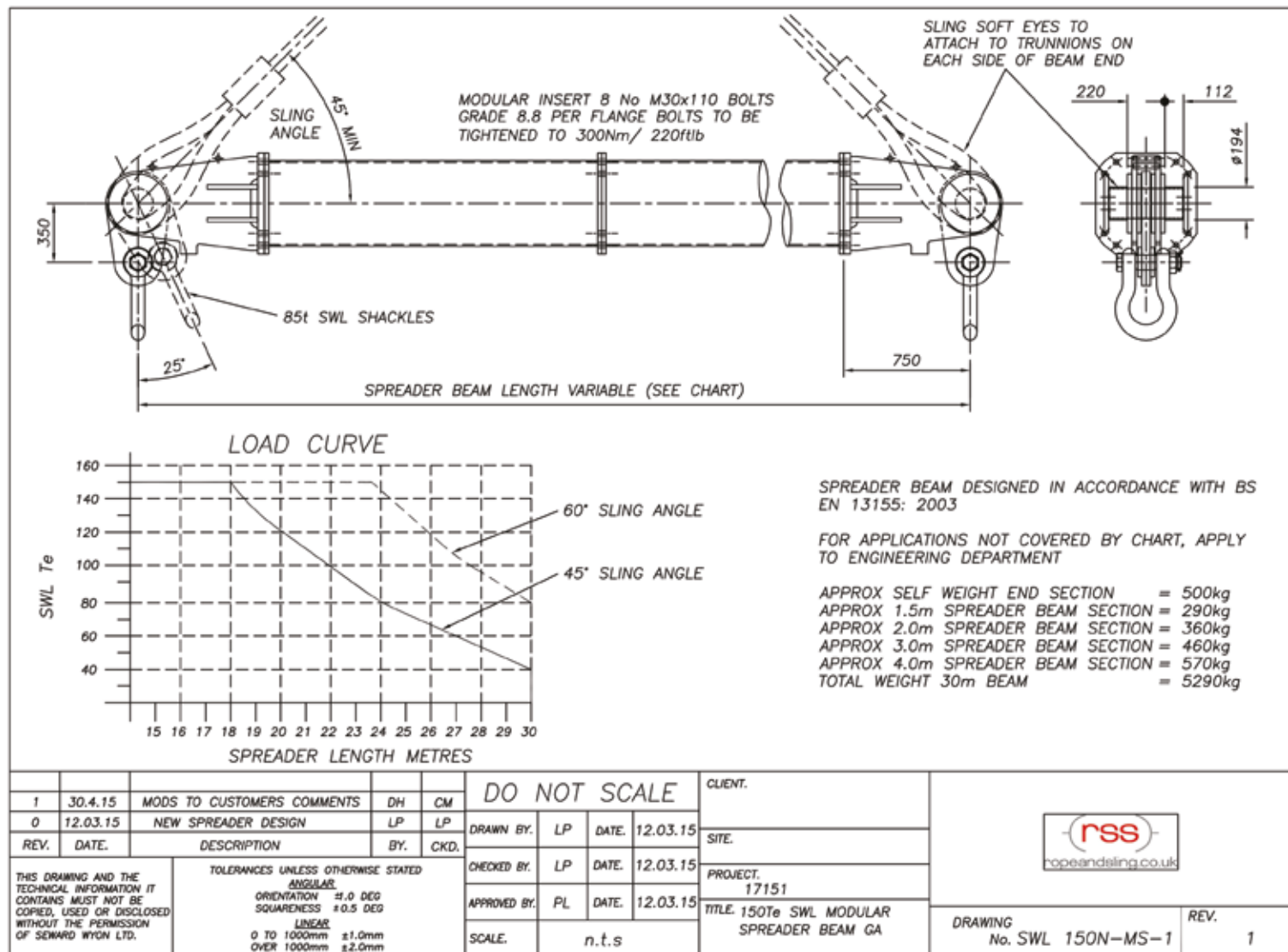


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rss Modular Spreader Beam



RSS 150t Modular Spreader Beam



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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 Mortor 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	725mm	725mm	2185mm	150Kg



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



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rss Crane & Fork Attachments



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

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Lodestar

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- Length of chain available to suit your requirements
- Supplied in 110 volt single phase, 3 phase versions also available
- Well proven industrial hoist from one of the world's largest manufacturers
- Chain bags available



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 ^{1/2}	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



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- 100% Duty Rating



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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.



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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

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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

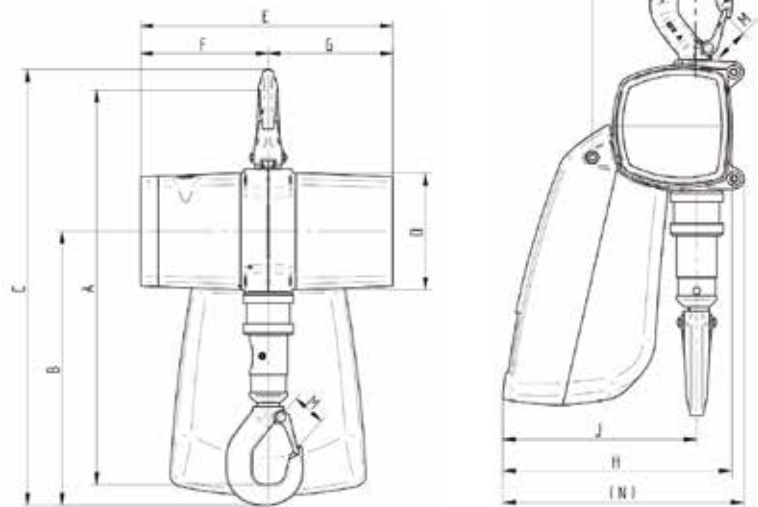
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THE NEW JDN MINI

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

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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 ³ /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 ³ /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 ¹	75 ¹	75 ¹
	kg	27	27	27	27	27.5	28 ¹	34 ¹	34 ¹
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 ² - lifting	dB(A)	73	74	74	75	74	76	74	76
Noise level at full load ² - lowering	dB(A)	77	78	77	78	77	78	77	78

¹With overload protection

²Measured 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

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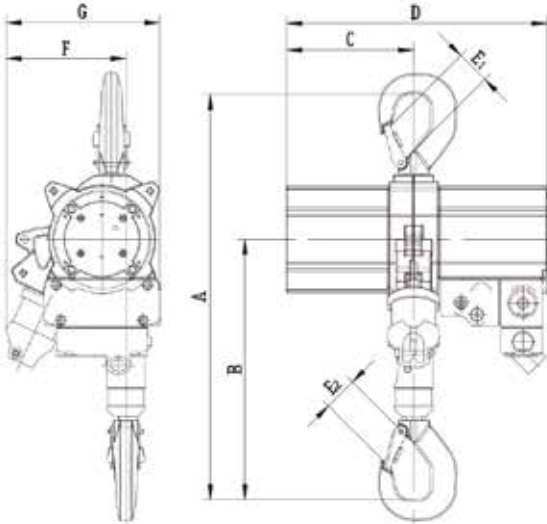


PROFI 025 TI - 2 TI

Dimensions

Type		025 TI	05 TI	1 TI	2 TI
A min. headroom ¹	inch	17.7	17.7	17.7	19.6
	mm	450	450	450	498
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 ₁	inch	1.1	1.1	1.1	1.1
	mm	28	28	28	28
E ₂	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

¹Chain containers increase the hoist headroom



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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 ³ /min	53-92 1.5-2.6	53-92 1.5-2.6
Air consumption at full load - lowering	cfm m ³ /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 ¹ - lifting	dB(A)	73-77	73-77
Noise level at full load ¹ - lowering	dB(A)	78-80	78-80

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



PROFI 1.5 TI



PROFI 3 TI/2

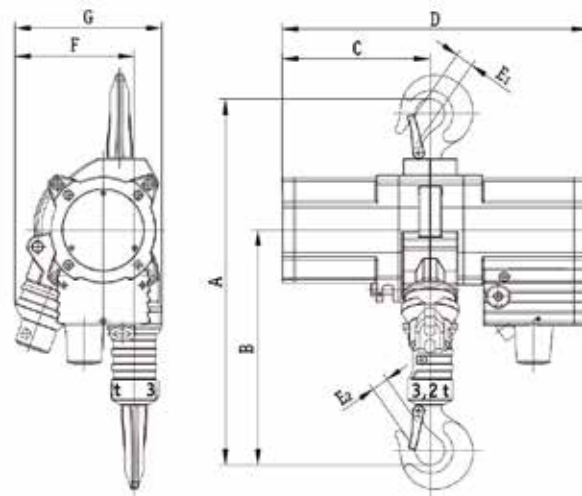


PROFI 1.5 TI and 3 TI/2

Dimensions

Type		1.5 TI	3 TI/2
A min. headroom ¹	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 ₁	inch	1.1	1.1
	mm	28	28
E ₂	inch	1.0	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

¹Chain containers increase the hoist headroom



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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
	bar	4	6	4	6	4
Number of chain strands		1	2	2	3	4
Motor output	kW	1.8	3.5	1.8	3.5	1.8
Lifting speed at full load	ft/min	8.2	16.4	3.9	8.2	2.6
	m/min	2.5	5	1.2	2.5	0.8
Lifting speed without load	ft/min	19.7	32.8	9.8	16.4	6.6
	m/min	6	10	3	5	2
Lowering speed at full load	ft/min	24.6	35.4	11.8	17.7	8.2
	m/min	7.5	10.8	3.6	5.4	2.5
Air consumption at full load - lifting	cfm	71	142	71	142	71
	m ³ /min	2	4	2	4	2
Air consumption at full load - lowering	cfm	124	195	124	195	124
	m ³ /min	3.5	5.5	3.5	5.5	3.5
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 ¹ - lifting	dB(A)	74	78	74	78	74
Noise level at full load ¹ - lowering	dB(A)	79	80	79	80	79

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



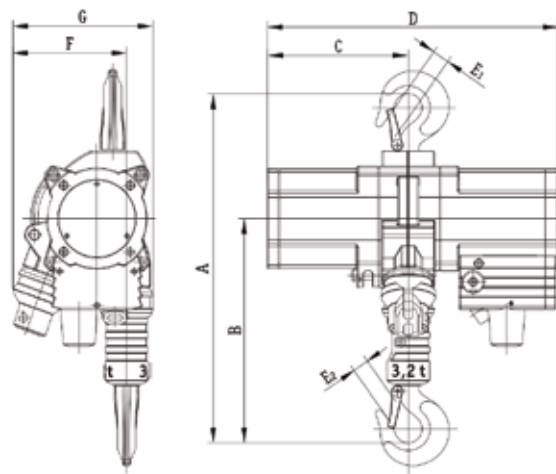
PROFI 6 TI

PROFI 3 TI - 20 TI

Dimensions

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

¹Chain 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 ³ /min			230 6.5				268.5 7.6	
Air consumption at full load - lowering	cfm m ³ /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 ¹ - lifting	dB(A)			78				77	
Noise level at full load ¹ - lowering	dB(A)			82				83	

¹ 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 (1.1m)
4 bar versions on request



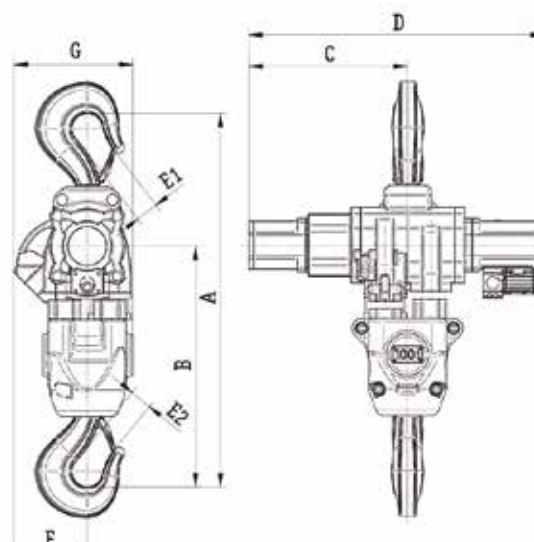
PROFI 100 TI

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 ¹	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	49.2	49.2
	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 ₁	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 ₂	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

¹Chain containers increase the hoist headroom





Panel trolleys

- Ideal for carrying drywall boards and wooden sheets
- Will fit through a standard doorway



Panel trolleys

- 4 wheel type with castors
- 3 or 6 divider options



Loadsurfer material lifts

- Available in four sizes
 - 10 feet
 - 15 feet
 - 20 feet
 - 25 feet
- Quick set up requires no tools
- Compact design - legs fold up when not in use
- Telescopic aluminium mast



Model	Lift Height	Net Weight	W.L.L. @ 40cm Loadcentre
ML10	10 feet	120kg	450kg
ML15	15 feet	145kg	360kg
ML20	20 feet	185kg	360kg
ML25	25 feet	205kg	290kg

rss Shifting

All terrain pallet truck

- Ideal to use on sites where normal pallet trucks will not go
- 1500kg capacity
- Made in Europe



Kerb Lifter

- SWL 200kg
- Suspension lug for crane lugs or carrying handle



Forklift tipping skip

- 1000kg, 1250kg & 1500kg
- Standard or heavy duty models available
- Available with lifting lugs and castor wheels as an option



Wheel barrow chains

- Safe working load of 500kg (proof loaded to 1 tonne)
- Supplied with test certification
- Will fit a standard barrow



rss Shifting



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



rss Shifting



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.

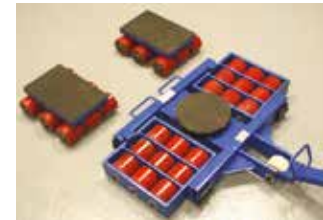
Complete with spacer bar and handle.

Steering skates have easy spin ball bearing turntables.

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

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

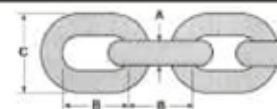
RSS stock a diverse range of heavy, medium & light duty ratchet lashings assemblies. All lengths and an array of fittings are available. Some popular systems are shown below. A full range is available - please call our sales team with your requirements.

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	



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rss Safety at Height Products



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)



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**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**



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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



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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

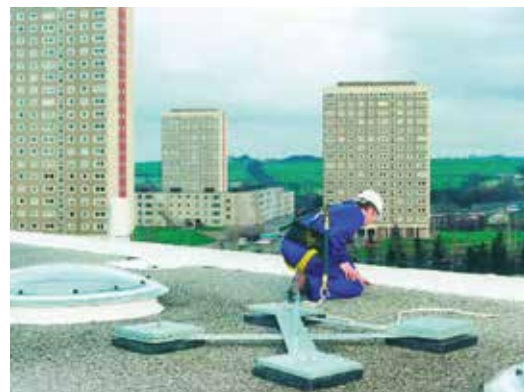
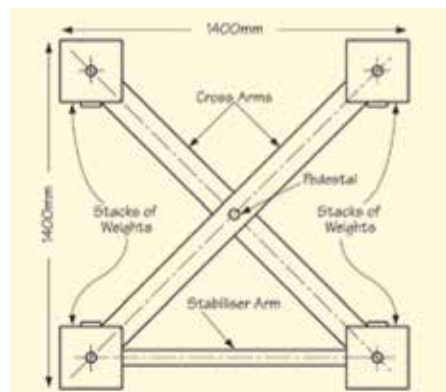
Deadweight Anchor

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



rss Safety at Height Products

Alsipercha

The Alsipercha Fall-Arrest System is designed to prevent falls from height during the decking of horizontal formwork operation.

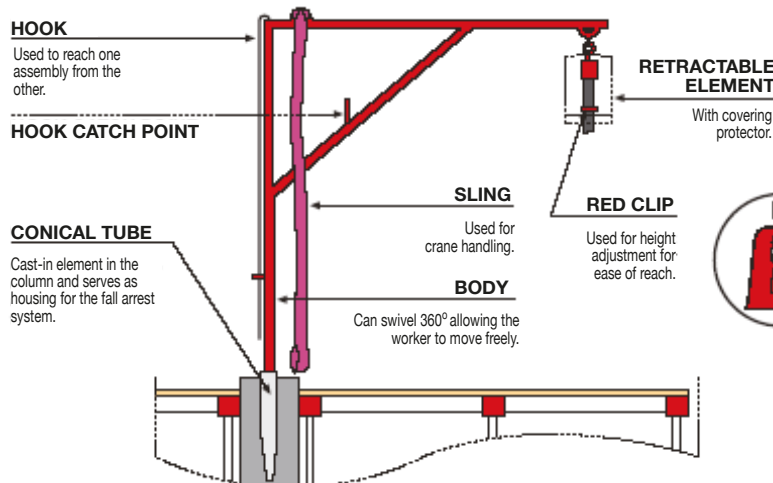
This is a 'zero' factor fall arrest system that is particularly useful on perimeters. It provides total safety when placing decking panels, edge protection, slab edges, stop-ends and generally all situations that may arise during the formworking process, where there is a risk of a fall from height.

It is easy to assemble and use. No external assembly accessories are required.

Alsipercha is designed and manufactured by Encofrados J. Alsina S.A.

Features and Benefits

- Complies with EN 795 Class B
- It allows the workers to safely cover a surface area of up to 125m², and a radius of 6.5m around the column
- Metallic frame in an inverted 'L' shape 2.5m long horizontally and 4.3m long vertically (this reduces to 3.5m in height once it is inserted into the column)
- 80kg metallic structure, made of the highest quality steel (42-46kg/mm² elasticity limit, 61-76kg/m² breakage limit)
- 2.5m maximum length retractable mechanism
- 850mm long cast-in steel conical tube
- Moved by crane
- Has a wide range of accessories that allows it to be situated at any point on the job, providing total safety at all times
- The system has been designed for column spaces at up to 8.5m intervals. (It is imperative that the hook accessory is used, on such column spacings)





COMBISAFE® Loading System

Based around the Alsipercha Fall-Arrest System, the Combisafe Loading System is designed for the loading and unloading of materials from the top of flatbed vehicles in a safe manner. Mobile and demountable, this fall protection system can be positioned adjacent to the lorry bed to permit a person access to the whole area.

The system comprises two counterweighted bases each containing three tonnes of ballast, on top of which an Alsipercha body is placed with an application specific fall arrest block. The anchor position on the units is 6m from the ground, permitting a working height of up to 5m. For lorry beds longer than 6m, the user must be connected to both fall arresters simultaneously.



Features and Benefits

- Satisfies the performance requirements of EN 795 Class B
- Accommodates slopes or uneven ground
- A system of two units provides protection for two 12m lorry beds
- Readily disassembled into components of <1 tonne for ease of transport
- Can be used on site or in a loading yard



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rss Hydraulics



Single-acting general purpose cylinders

- Exclusive Golden Ring bearing design gives long, trouble-free operation
- Collar threads, plunger threads and base mounting holes enable easy fixturing on most models
- Designed for use in all positions
- Removable strap handles for unobstructed fixturing on RC-5013, RC-7513 and both 100 ton models
- High strength alloy steel for durability
- Baked enamel finish for increased corrosion resistance
- Plunger wiper reduces contamination, extending cylinder life



Low height cylinders, single-acting

RSM-Series, Flat-Jac® Cylinders

- Compact, flat design for use where other cylinders will not fit
- RSM-750, 1000 and 1500 have handle for easy carrying
- Mounting holes permit easy fixturing
- CR-400 coupler and dustcap included on all models
- Hard chrome plated high quality steel plungers
- Grooved plunger ends require no saddle
- Single-acting, spring return

RCS-Series, Low Height Cylinders

- Lightweight, low profile design for use in confined spaces
- CR-400 coupler and dustcap included on all models
- Plunger wiper reduces contamination, extending cylinder life
- Grooved plunger end with threaded holes for mounting tilt saddles
- Integral handle on RCS-1002 for easy carrying
- Plated steel plungers
- Single-acting, spring return



Single-acting cylinder-pump sets

- The quickest and easiest way to start working right away
- Sets include 1,8 m safety hose, calibrated gauge with gauge adaptor
- All pumps are two-speed
- Optimum match of individual components

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**Single-acting general
purpose cylinders**

* Also available as
cylinder-pump set.

** RC-50 cylinder
has a non removable
grooved saddle and no
collar thread.

Cylinder Capacity	Stroke	Model Number	Collapsed Height	Weight
ton (kN)	mm		mm	kg
5 (45)	16	RC-50**	41	1
	25	RC-51	110	1
	76	RC-53	165	1,5
	127	RC-55*	215	1,9
	177	RC-57	273	2,4
	232	RC-59	323	2,8
10 (101)	26	RC-101	89	1,8
	54	RC-102*	121	2,3
	105	RC-104	171	3,3
	156	RC-106*	247	4,4
	203	RC-108	298	5,4
	257	RC-1010*	349	6,4
	304	RC-1012	400	6,8
	356	RC-1014	450	8,2
15 (142)	25	RC-151	124	3,3
	51	RC-152	149	4,1
	101	RC-154*	200	5
	152	RC-156*	271	6,8
	203	RC-158	322	8,2
	254	RC-1510	373	9,5
	305	RC-1512	423	10,9
	356	RC-1514	474	11,8
25 (232)	26	RC-251	139	5,9
	50	RC-252*	165	6,4
	102	RC-254*	215	8,2
	158	RC-256*	273	10
	210	RC-258	323	12,2
	261	RC-2510	374	14,1
	311	RC-2512	425	16,3
	362	RC-2514*	476	17,7
30 (295)	209	RC-308	387	18,1
50 (498)	51	RC-502	176	15
	101	RC-504	227	19,1
	159	RC-506*	282	23,1
	337	RC-5013	460	37,6
75 (718)	156	RC-756	285	29,5
	333	RC-7513	492	59
95 (933)	168	RC-1006	357	59
	260	RC-10010	449	72,6

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rss Hydraulics



**Low height cylinders,
single-acting**

Cylinder Capacity	Stroke	Model Number	Collapsed Height	Weight
ton (kN)	mm		mm	kg
5 (45)	6	RSM-50	32	1
10 (101)	12	RSM-100	43	1,4
20 (201)	11	RSM-200	51	3,1
30 (295)	13	RSM-300	58	4,5
45 (435)	16	RSM-500	66	6,8
75 (718)	16	RSM-750	79	11,3
90 (887)	16	RSM-1000	85	14,5
150 (1368)	16	RSM-1500	100	26,3



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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





Hydraulic jacks

Tangye Hydramite Range, Models:

- 8104H : 6.5 tonne, Closed Height : 140 mm, Stroke : 76 mm
- 1105002 : 10 tonne, Closed Height : 182 mm, Stroke : 76 mm
- 1105003 : 15 tonne, Closed Height : 230 mm, Stroke : 92 mm



Tangye Hydraclaw Jack, Model:

- 9501W
- 5 tonne head & 5 tonne toe
- Closed Height 327 mm head
- Closed Height 41 mm toe
- Stroke 178 mm



Tangye Hydralite Range, Claw Type Jack, Models:

- PS620C : 20 tonne on Head & 8 tonne on Claw, 6" Stroke (152 mm)
- PS1220C : 20 tonne on Head & 8 tonne on Claw, 12" Stroke (305 mm)
- PS630C : 30 tonne on Head & 12 tonne on Claw, 6" Stroke (152 mm)
- PS1230C : 30 tonne on Head & 12 tonne on Claw, 12 " Stroke (305 mm)
- PS660C : 60 tonne on Head & 24 tonne on Claw, 6" Stroke (152 mm)
- PS1260C : 60 tonne on Head & 24 tonne on Claw, 12 " Stroke (305 mm)





Hydraulic jacks

Tangye Hydralite Range, Plain Base Jack, Models:

- PS620 : 20 tonne, 6" Stroke (152 mm)
- PS1220 : 20 tonne, 12 " Stroke (305 mm)
- PS630 : 60 tonne, 6" Stroke (152 mm)
- PS1230: 30 tonne, 12" Stroke (305 mm)
- PS660 : 60 tonne, 6" Stroke (152 mm)
- PS1260 : 60 tonne, 12" Stroke (305 mm)
- P6100 : 100tonne, 6" Stroke (152 mm)



Tangye Hydralite Range, Screwed Ram Version, Models:

- PS620S : 20 tonne, 6" Stroke (152 mm)
- PS1220S : 20 tonne, 12" Stroke (305 mm)
- PS630S : 30 tonne, 6" Stroke (152 mm)
- PS1230S : 30 tonne, 12" Stroke (305 mm)
- PS660S : 60 tonne, 6" Stroke (152 mm)
- PS1260S : 60 tonne, 12" Stroke (305 mm)
- P6100S : 100 tonne, 6" Stroke (152 mm)



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



Capacity (head or toe) 5 tonnes	Size of head cap 2 ^{3/4} " x 2 ^{1/2} " (70mm x 63mm)
Lifting range 9 ^{1/4} " (235mm)	Size of toe 2 ^{1/2} " x 1 ^{5/8} " (63mm x 41mm)
Overall height (closed) 15 ^{7/8} " (403mm)	Base size 7 ^{3/4} " x 4 ^{3/4} " (197mm x 120mm)
Overall height (raised) 25 ^{1/8} " (638mm)	Weight (jack only) 39lbs (17.7kg)
Height of toe (closed) 1 ^{5/8} " (41mm)	Weight of lever bar 16.6lbs (7.5kg)
Height of toe (raised) 10 ^{7/8} " (276mm)	Dimensions of lever bar 1 ^{1/4} " 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	690 - 1000	840 - 1150
Minimum Height (mm)	530	680	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	38

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

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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 safe track 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 have tough audits every year to ensure we maintain our quality systems.



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- 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



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

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- LEEA LOLER and PUWER
- LEEA Lifting and Slings
- LEEA Appointed PICOLO



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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.

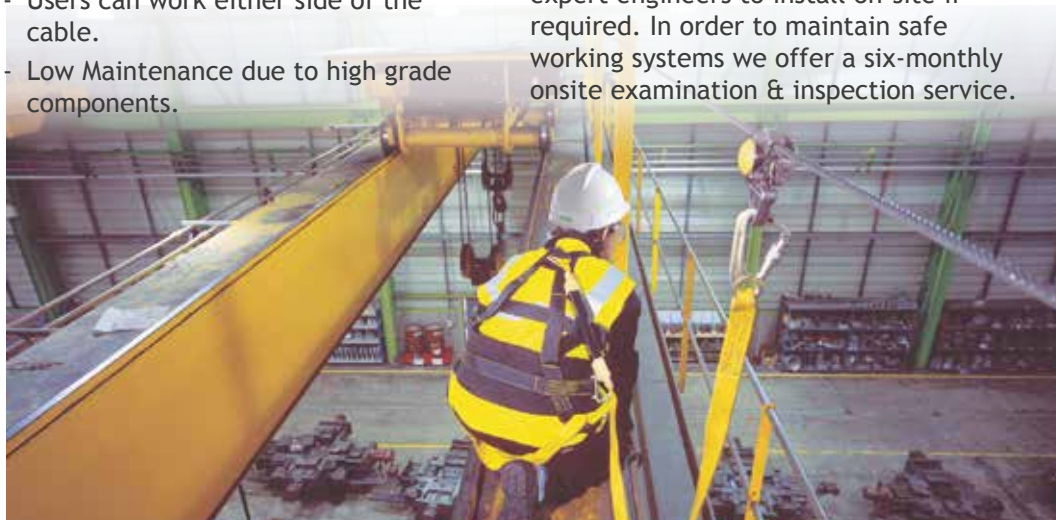
• Dual Protection

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.



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- 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.
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