

• ENGINEERING SERVICES • MANUFACTURE • FALL PROTECTION • CRANE ROPES

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-thehook 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

- 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

www.ropeandsling.co.uk



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

Design & Engineering



rss Online Tracking System





Now on Android, iPhone and iPad

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.

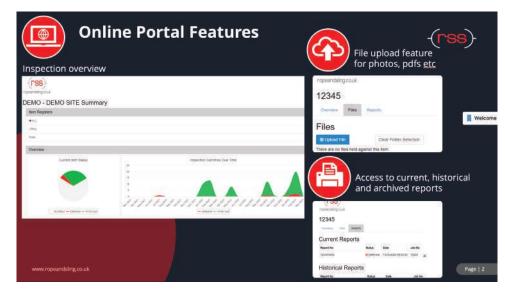


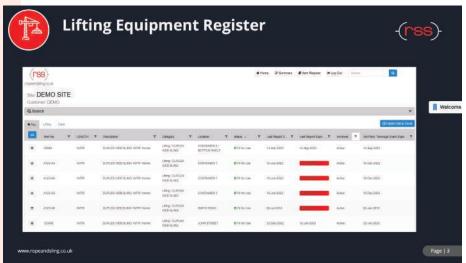


rss Online Tracking System







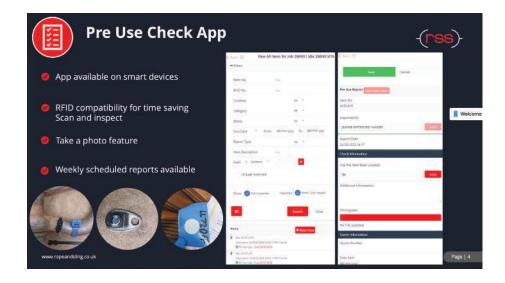


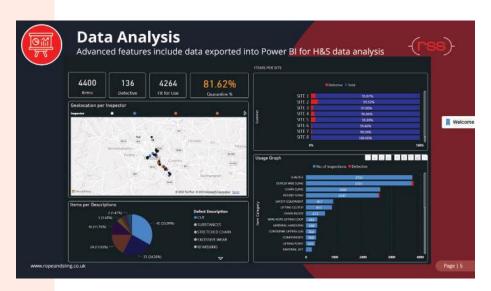


rss Online Tracking System











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













		000000000000000000000000000000000000000			0//00									
	SI	NGLE LI	G	2-LEG	SLING	0-45°	3 LEG	SLING	0-45°	4 LEG SLING 0-45°				
Chain Dimension	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12	Grade 8	Grade 10	Grade 12		
6 mm	1.12	1.50	7/25	1.60	2.12	=	2.36	3.15	(2)	2.36	3.15	2		
7 mm	1.50	- 1	-	2.12	-	-	3.15	-	-	3.15	-	-		
8 mm	2.00	2.50	3.00	2.80	3.50	4.25	4.25	5.20	6.30	4.25	5.20	6.30		
10 mm	3.15	4.00	5.00	4.25	5.60	7.10	6.70	8.40	10.60	6.70	8.40	10.60		
13 mm	5.30	6.70	8.00	7.50	9.50	11.20	11.20	14.00	17.00	11.20	14.00	17.00		
16 mm	8.00	10.00	12.50	11.20	14.00	17.50	17.00	21.00	26.50	17.00	21.00	26.50		
19 mm	11.20	14.00	-	16.00	20.00	-	23.60	30.00	-	23.60	30.00	-		
20 mm	12.50	16.00	-	17.50	22.40	=	26.25	33.60		26.25	33.60	-		
22 mm	15.00	19.00	121	21.20	26.50		31.50	40.00	(2)	31.50	40.00	2		
26 mm	21.20	26.50	-	30.00	37.50	-	45.00	56.00	-	45.00	56.00	-		
32 mm	31.50	40.00	25	45.00	56.00	2	67.00	85.00	123	67.00	85.00	2		

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

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

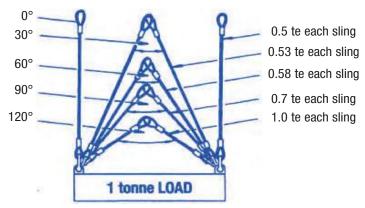


rss Sling Angles



Sling Angles

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



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

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

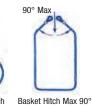
Mode Factor (M)

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



M = 2.0







M = 2.0

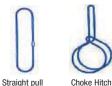


Two-legged sling Max 90° M = 1.4

90° Max

to obtain the SWL of the configuration. (The last four modes / ratings do not apply to 'round' slings).

Multiply the SWL of one leg by the mode factor - M



M = 1.6

Basket Hitch Max 90° M = 2.8

M = 1.4



Basket Hitch Parallel M = 4.0

Four-legged sling Max 90° M = 2.1

before 5pm for next day delivery email: sales@rssgroup.co.uk



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 ferrulesecured eye slings in various configurations. These values have been rounded for the convenience of the user.

	One-leg sling	Two-leg sli	ng	Three and fo	our-leg sling	Endless sling
Angle to	0°	0° to 45°	over 45° to	0° to 45°	over 45°	0°
the vertical			60°		to 60°	-
	oo l				B	
	Direct	Direct	Direct	Direct	Direct	Choke hitch
Nominal rope dia mm	Working lo	ad limits				
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



rss Steel Wire Rope



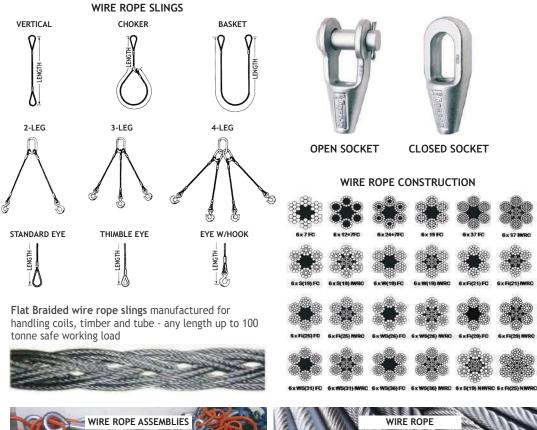


Steel Wire Ropes
All types of rope
construction,
including general
engineering,
rotation resistant
and compacted are
available, as well as
a range of finishes
in galvanised and
stainless steel.

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



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.





8









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





rss Murlink Chain







Murlink Chain

Spectacular ease in handling the synthetic chain.

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

The low own weight of the chain enables to move heavier loads with the same lifting system.

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

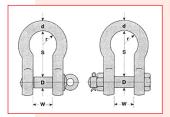
							STRAIGTH PULL	CHOKE	PANALIEL BASKET	NON-PARA	MASSES OF USE FOR I	JFTING LOADS	SUNO I	38.4(6)	3 SUNO
	,	MURLINK SYNTHETIC CI	HAIN RANG	SE		WEIGHT	Š	Š	Ü	Ž		28	3	1/1	\
	_			_	Wet		M=1	M=0,8	M=2	M+1,4	M+I	M+1,4	M=1	M=2,1	M+1,5
WLL UFTING MURLINK (how)	LC LASHING MURUNK (ton)	MUFLINE CODE	Link length (mm)	Link Section (mm)	Nominal Oxl	Weight (kg/m)	B>0*	B>0°	8>0"	ß>0° B<45°	8<45° 8<60°	ß>0* B<45*	8<45* 8<60*	8>0" B<45"	8<45° 8<60°
2,50	5,00	MURLINK 102004	100	20x8	10.000	0,325	2.500	2.000	5.000	3.500	2.500	3.500	2.500	5.250	3.75
3,75	7,50	MURLINK 152006	100	20x12	15.000	0,475	3.750	3.000	7.500	5.250	3.750	5.250	3.750	7.875	5.62
4,38	8,75	MURLINK 172007	100	20x14	17.500	0,585	4.375	3.500	8.750	6.125	4.375	6.125	4.375	9.188	6.56
5,00	10,00	MURLINK 202008	100	20x16	20.000	0,625	5.000	4.000	10.000	7.000	5.000	7,000	5.000	10.500	7.50
6,00	12,00	MURLINK 243006	125	30x12	24.000	0,710	6,000	4.800	12.000	8.400	6.000	8,400	6.000	12.600	9.00
7,00	14,00	MURLINK 283007	125	30x14	28.000	0,835	7.000	5.600	14.000	9.800	7.000	9.800	7.000	14.700	10.50
8,00	16,00	MURLINK 323008	125	30x16	32.000	0,940	8.000	6.400	16.000	11.200	8.000	11.200	8.000	16.800	12,00
10,50	21,00	MURLINK 423010	250	30x20	42.000	1,050	10.500	8.400	21.000	14.700	10.500	14.700	10.500	22.050	15.75
12,50	25,00	MURLINK 503013	250 / 150	30x26	50.000	1,268	12.500	10.000	25.000	17.500	12.500	17.500	12.500	26.250	18.75
13,00	26,00	MURLINK 524010	250	40x20	52.000	1,467	13.000	10.400	26,000	18.200	13.000	18.200	13.000	27.300	19.50
15,00	30,00	MURLINK 604011	250	40x22	60.000	1,612	15.000	12.000	30.000	21.000	15.000	21.000	15.000	31.500	22.50
16,00	32,00	MURLINK 644012	250	40x24	64.000	1,749	16.000	12.800	32.000	22.400	16.000	22.400	16.000	33,600	24.00
18,00	36,00	MURLINK 724013	250	40x26	72.000	1,904	18.000	14.400	36,000	25.200	18.000	25.200	18.000	37.800	27.00
19,00	38,00	MURLINK 764014	250	40x28	76.000	2,050	19.000	15.200	38.000	26.600	19.000	26.600	19.000	39.900	28.50
22,00	44,00	MURLINK 885012	300	50x24	88.000	2,100	22.000	17.600	44,000	30.800	22.000	30.800	22.000	46.200	33.00
25,00	50,00	MURLINK 1005013	300	50x26	100.000	2,275	25.000	20.000	50.000	35.000	25.000	35,000	25.000	52.500	37.50
27,00	54,00	MURLINK 1085014	300	50x28	108.000	2,450	27.000	21.600	54.000	37.800	27.000	37.800	27.000	56.700	40.50
32,00	64,00	MURLINK 1287511	400	75x22	128.000	3,061	32.000	25.600	64.000	44.800	32,000	44.800	32.000	67.200	48.00
36,00	72.00	MURLINK 1447512	400	75x24	144.000	3,337	36.000	28.800	72.000	50.400	36.000	50.400	36.000	75.600	54.00
40,00	80,00	MURLINK 1607513	400	75x26	160.000	3,615	40.000	32.000	80.000	56.000	40.000	56.000	40.000	84,000	60.00
44,00	88,00	MURLINK 1767514	400	75x28	176.000	3,892	44.000	35.200	88.000	61.600	44.000	61.600	44.000	92.400	66.00





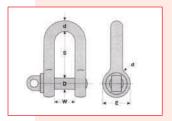


Alloy Bow Shackle 330kg to 85 tonne US Federal Specification RR-C-271D 1V





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



SWL	d	D	S	W	2 x r	Weight	Safety Pin	Screw Pin
tonnes	mm	mm	mm	mm	mm	kgs/each	product code	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

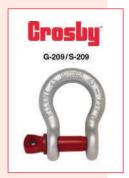
SWL	d	D	W	S	E	Weight	Self Colour	Galvanised
tonnes	inches	inches	inches	inches	inches	kgs/each	product code	product code
0.25	1/4"	3/8"	1/2"	1"	3/4"	0.10	SHHD0025	SHHD0025G
0.50	3/8"	1/2"	3/4"	11/2"	1"	0.20	SHHD0050	SHHD0050G
0.75	1/2"	5/8"	1 ^{1/8} "	21/8"	1 1/4"	0.30	SHHD0075	SHHD0075G
1.50	5/8"	3/4"	1 ^{1/4} "	21/2"	11/2"	0.60	SHHD0150	SHHD0150G
2.00	3/4"	7/8"	11/2"	27/8"	13/4"	1.00	SHHD0200	SHHD0200G
3.00	7/8"	1"	1 ^{3/4} "	31/4"	2"	1.60	SHHD0300	SHHD0300G
3.75	1"	1 ^{1/8} "	2"	33/4"	21/4"	2.40	SHHD0375	SHHD0375G
5.00	11/8"	11/4"	21/8"	41/8"	21/2"	3.20	SHHD0500	SHHD0500G
6.00	13/4"	13/8"	23/8"	41/2"	23/4"	4.50	SHHD0600	SHHD0600G
7.00	13/8"	1 ^{1/2} "	2 ^{5/8} "	5"	3"	6.10	SHHD0700	SHHD0700G
9.50	11/2"	13/4"	23/4"	5 ^{3/8} "	31/2"	8.70	SHHD0950	SHHD0950G
11.25	15/8"	1 ^{7/8} "	3"	5 ^{3/4} "	33/4"	10.00	SHHD1125	SHHD1125G
13.00	13/4"	2"	31/4"	61/8"	4"	12.50	SHHD1300	SHHD1300G
14.25	17/8"	21/8"	35/8"	7"	41/4"	15.20	SHHD1425	SHHD1425G
16.25	2"	21/4"	37/8"	73/8"	41/2"	18.50	SHHD1625	SHHD1625G
18.00	21/8"	23/8"	41/8"	73/4"	5"	20.00	SHHD1800	SHHD1800G
20.00	31/4"	21/2"	4 ^{1/4} "	81/4"	51/4"	22.50	SHHD2000	SHHD2000G

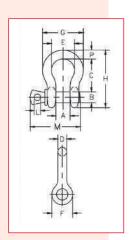
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- · Meets performance requirements of Grade 6 shackles.
- · Forged, Quenched & Tempered, with alloy pins.
- · Working Load Limit and Grade 6 permanently shown on every shackle.
- · Hot-dip galvanized (G) or self colored (S).
- · Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-209 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 2, except for those provisions required of the contractor.
- · Look for the Red Pin®... the mark of genuine Crosby quality.

G-209 / S-209 Screw Pin Anchor Shackles

Nominal Size	Working Load Limit	Stock	k No.	Weight Each					Dime	ensions	(mm)						rance mm)
(in)	(t)	G-209	S-209	(kg)	Α	В	С	D	E	F	G	н	L	M	Р	С	Α
3/16	0.33	1018357	-	.03	9.7	6.4	22.4	4.8	15.2	14.2	24.9	37.3	4.1	29.0	4.8	1.50	1.50
1/4	0.5	1018375	1018384	.05	11.9	7.9	28.7	6.4	19.8	15.7	32.5	46.7	4.8	36.3	6.4	1.50	1.50
5/16	0.75	1018393	1018400	.09	13.5	9.7	30.7	7.9	21.3	19.1	37.1	53.1	5.6	43.4	7.9	3.30	1.50
3/8	1	1018419	1018428	.14	16.8	11.2	36.8	9.7	26.2	23.4	45.5	63.5	6.4	52.3	9.7	3.30	1.50
7/16	1.5	1018437	1018446	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.8	73.9	7.9	60.2	11.2	3.30	1.50
1/2	2	1018455	1018464	.33	20.6	15.7	47.8	12.7	33.3	30.0	58.7	83.3	9.7	68.3	12.7	3.30	1.50
5/8	3.25	1018473	1018482	.62	26.9	19.1	60.5	15.7	42.9	38.1	74.4	106	11.2	84.8	17.5	6.35	1.50
3/4	4.75	1018491	1018507	1.07	31.8	22.4	71.4	19.1	50.8	46.0	88.9	126	12.7	101	20.6	6.35	1.50
7/8	6.5	1018516	1018525	1.64	36.6	25.4	84.1	22.4	57.9	53.3	103	148	12.7	114	24.6	6.35	1.50
1	8.5	1018534	1018543	2.28	42.9	28.4	95.5	25.4	68.3	60.5	119	167	14.2	130	26.9	6.35	1.50
1-1/8	9.5	1018552	1018561	3.36	46.0	31.8	108	29.5	73.9	68.1	131	190	16.0	152	318	6.35	1.50
1-1/4	12	1018570	1018589	4.31	51.6	35.1	119	32.8	82.8	76.2	146	210	17.5	165	35.1	6.35	1.50
1-3/8	13.5	1018598	1018605	6.14	57.2	38.9	133	36.1	91.9	84.1	162	233	19.1	176	38.1	6.35	3.30
1-1/2	17	1018614	1018623	7.80	60.5	41.4	146	38.9	98.6	91.9	176	254	20.6	189	41.1	6.35	3.30
1-3/4	25	1018632	1018641	12.6	73.2	50.8	178	46.7	127	106	224	313	25.4	233	57.2	6.35	3.30
2	35	1018650	1018669	20.4	82.6	57.2	197	52.8	146	122	258	347	28.7	263	61.0	6.35	3.30
2-1/2	55	1018678	1018687	38.9	105	69.9	267	69.1	184	148	324	455	35.1	335	79.5	6.35	6.35

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.











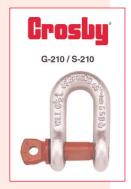


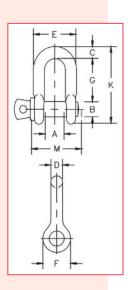












- · Forged, Quenched & Tempered, with alloy pins.
- Working Load Limit and Grade 6 permanently shown on every shackle.
- · Hot-dip galvanized (G) or self colored (S).
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certifications. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- All 209 and 210 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg. at -20° C (-4° F) upon special request.
- · Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- G-210 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 2, except for those provisions required of the contractor.
- · Look for the Red Pin®... the mark of genuine Crosby quality.

G-210 / S-210 Screw Pin Chain Shackles

Nominal Size	Working Load Limit	Sto N	ock o,	Weight Each						nsions nm)						rance - mm)
(in)	(t)	G-210	S-210	(kg)	Α	В	С	D	E	F	G	K	L	M	G	Α
1/4	0.5	1019150	1019169	.05	11.9	7.85	6.35	6.35	24.6	15.5	22.4	40.4	4.85	35.1	1.50	1.50
5/16	0.75	1019178	1019187	.08	13.5	9.65	7.85	7.85	29.5	19.1	26.2	48.5	5.60	42.2	1.50	1.50
3/8	1	1019196	1019203	.13	16.8	11.2	9.65	9.65	35.8	23.1	31.8	58.5	6.35	51.5	3.30	1.50
7/16	1.5	1019212	1019221	.20	19.1	12.7	11.2	11.2	41.4	26.9	36.6	67.5	7.85	60.5	3.30	1.50
1/2	2	1019230	1019249	.27	20.6	16.0	12.7	12.7	46.0	30.2	41.4	77.0	9.65	68.5	3.30	1.50
5/8	3.25	1019258	1019267	.57	26.9	19.1	15.7	16.0	58.5	38.1	51.0	95.5	11.2	85.0	3.30	1.50
3/4	4.75	1019276	1019285	1.20	31.8	22.4	20.6	19.1	70.0	46.0	60.5	115	12.7	101	6.35	1.50
7/8	6.5	1019294	1019301	1.43	36.6	25.4	24.6	22.4	81.0	53.0	71.5	135	12.7	114	6.35	1.50
1	8.5	1019310	1019329	2.15	42.9	28.7	25.4	25.4	93.5	60.5	81.0	151	14.2	129	6.35	1.50
1-1/8	9.5	1019338	1019347	3.06	46.0	31.8	31.8	28.7	103	68.5	91.0	172	16.0	142	6.35	1.50
1-1/4	12	1019356	1019365	4.11	51.5	35.1	35.1	31.8	115	76.0	100	191	17.5	156	6.35	3.30
1-3/8	13.5	1019374	1019383	5.28	57.0	38.1	38.1	35.1	127	84.0	111	210	19.1	174	6.35	3.30
1-1/2	17	1019392	1019409	7.23	60.5	41.4	41.1	38.1	137	92.0	122	230	20.6	187	6.35	3.30
1-3/4	25	1019418	1019427	12.1	73.0	51.0	54.0	44.5	162	106	146	279	25.4	231	6.35	3.30
2	35	1019436	1019445	19.2	82.5	57.0	60.0	51.0	184	122	172	312	31.0	263	6.35	3.30
2-1/2	55	1019454	1019463	32.5	105	70.0	66.5	66.5	238	145	203	377	35.1	330	6.35	6.35

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.













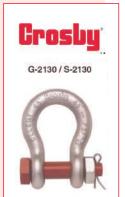
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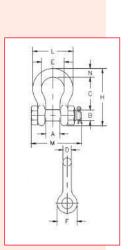


13









- · Working Load Limit and Grade 6 permanently shown on every shackle.
- · Forged, Quenched & Tempered, with alloy bolts.
- Hot-dip galvanized (G) or self colored (S). 85, 120, and 150-metric ton shackles are all hot-dip galvanized bows and the bolts are Dimetcoted® and painted red.
- . Sizes 3/8 and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit (1/3t -55t).
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- . Meets or exceeds all requirements of ASME B30.26.
- Shackles 85 metric tons and larger are individually proof tested to 2.0 times the working load limit.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- 3.1 Certification as standard available for charpy and statistical proof test from 3.25t up to 25 tons to DNV 2.7-1 and EN13889.
- Crosby 3.25t through 25t G-21300C anchor shackles are type approved to DNV Certification Notes 2.7-1Offshore Containers. These Crosby shackles are statistical proof and impact tested to 42 Joules (31 ft-lb)
 min. avg. at -20° C (-4° F). The tests are conducted by Crosby and 3.1 test certification is available upon
 request.
- All other 2130 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg at -20° C (-4° F) when
 requested at time of order.
- Meets the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade A, Class 3, except for those provisions required of the contractor.
- · Look for the Red Pin® ... the mark of genuine Crosby quality.

G-2130 / S-2130 Bolt Type Anchor Shackles

Nominal	Working		Stock No.		Weight					Dimens (mn							rance - mm)
Size (in)	Load Limit (t)	G-2130	S-2130	G-21300C	Each (kg)	A	В	c	D	E	F	н	L	M	N	c	A
3/16	0.33 #	1019464	2	14	.03	9.7	6.4	22.4	4.9	15.2	14.2	37.3	24.9	32.8	4.85		1.50
1/4	0.5	1019466	+	-	.05	11.9	7.9	28.7	6.4	19.8	15.5	46.7	32.5	39.6	6.35	1.50	1.5
5/16	0.75	1019468			.10	13.5	9.7	31.0	7.9	21.3	19.1	53.0	37.3	46.2	7.85	1.50	1.5
3/8	1	1019470	-	-	.15	16.8	11.2	36.6	9.7	26.2	23.1	63.0	45.2	55.1	9.65	1.50	1.5
7/16	15	1019471			.22	19.1	12.7	42.9	11.2	29.5	26.9	74.0	51.5	63,8	11.2	3.30	1.5
1/2	2	1019472	1019481	-	.36	20.6	16.0	47.8	12.7	33.3	30.2	83.5	58.5	71.1	12.7	3,30	1.5
5/8	3.25	1019490	1019506	1262013	.62	26.9	19.1	60.5	16.0	42.9	38.1	106	74.5	90.4	17.5	3.30	1.5
3/4	4.75	1019515	1019524	1262022	1.23	31.8	22.4	71.5	19.1	51.0	46.0	126	89.0	105	20.6	3,30	1.5
7/8	6.5	1019533	1019542	1262031	1.79	36.6	25.4	84.0	22.4	58.0	53.0	148	102	122	24.6	6.35	1.5
1	8.5	1019551	1019560	1262040	2.28	42.9	28.7	95.5	25.4	68.5	60.5	167	119	137	26.9	6,35	1.5
1-1/8	9.5	1019579	1019588	1262059	3.75	46.0	31.8	108	28.7	74.0	68.5	190	131	150	318	6.35	1.5
1-1/4	12	1019597	1019604	1262068	5.31	51.5	35.1	119	31.8	82.5	76.0	210	146	170	35.1	6.35	1.5
1-3/8	13,5	1019613	1019622	1262077	7.18	57.0	38.1	133	35,1	92.0	84.0	233	162	183	38.1	6,35	3.3
1-1/2	17	1019631	1019640	1262086	8.62	60.5	414	146	38.1	98.5	92.0	254	175	196	41.1	6.35	3.3
1-3/4	25	1019659	1019668	1262095	15.4	73.0	51.0	178	44.5	127	106	313	225	246	57.0	6.35	3.3
2	35	1019677	1019686	-	23,7	82.5	57.0	197	51.0	146	122	348	253	275	61.0	6.35	3.3
2-1/2	55	1019695	1019702	-	44.6	105	70.0	267	66.5	184	145	453	327	345	79.5	6.35	6.3
3	†85	1019711		- 1	70	127	82.5	330	76.0	200	165	546	365	384	92.0	6.35	6.3
3-1/2	† 120 ‡	1019739	91	-	120	133	95.5	372	92.0	229	203	626	419	432	105	6.35	6.3
4	† 150 ±	1019757		-	153	140	108	368	104	254	229	653	468	451	116	6.35	6.3

6:1 Design Factor, Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications... † Individually Proof Tested with certification... ‡ Furnished with eye bolts for handling.











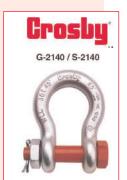


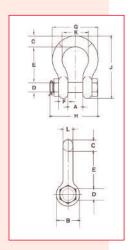












- · Quenched & Tempered.
- · Alloy bows, alloy bolts.
- · Forged alloy steel 2 through 250 metric tons. Cast alloy steel 400 metric tons.
- · Meets performance requirements of Grade 8 shackles.
- . Working Load Limit is permanently shown on every shackle.
- 30, 40, 55, and 85 metric ton shackle bows are available galvanized (G) or self colored (S) with bolts that
 are galvanized and painted red.
- · Size 3/8 inch is mechanically galvanized.
- 120, 150, 175 metric ton shackle bows are hot-dip galvanized; bolts are Dimetcoted and painted red.
- · 200, 250, 300, 400 metric ton shackle bows are Dimetcoted; bolts are Dimetcoted and painted red.
- · Sizes 1-1/2 and larger are RFID equipped.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Shackles are Quenched & Tempered and can meet DNV impact requirements of 42 Joules (31 ft-lb) at -20° C (-4° F).
- Crosby COLD TUFF® shackles that meet the additional requirements of DNV rules for certification of lifting
 applications loose gear are available.
- · Shackles 200 metric tons and larger are provided as follows:
 - · Serialized bolt and bow
 - · Material certification (chemical)
 - · Magnetic particle inspected.
 - · Certification must be requested at time of order.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. 2140 shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Lifting Appliances, Certificates are available when requested at time of order and may include additional charges.
- G-2140 meets the performance requirements of Federal Specification RR-C-2716, Type IVA, Grade B, Class 3, except for those provisions required of the contractor. For additional information, see Warnings & Applications.
- · Look for the Red Pin®... the mark of genuine Crosby quality.

G-2140 / S-2140 Alloy Bolt Type Anchor Shackles

Nominal Shackle	Working Load		Stock No	o.	Weight						Dir	mensio (mm)	ns							leran /- m	
Size (in)	Limit (t)	G-2140	S-2140	G-21400C	Each (kg)	А	В	c	D	E	F	G	н	J	к	L	M	N	A	D	E
3/8	2	1021015	*	-	0.15	16.8	23.1	9.7	11.2	36.6	9.7	45.2	55.1	63.2	26.2	9.7	-	-	1.5	0.3	3.0
7/16	2.67	1021020		-	0.22	19.1	26.9	11.2	12.7	42.9	10.4	51.6	63.8	73.9	29.5	11.2		- 63	1.5	0.3	3.0
1/2	3,33	1021029	- 17		0.36	20.6	30.2	12.7	16.3	47.8	11,7	58.7	71.1	83.3	33,3	12.7	**	-	1.5	0.5	3.5
5/8	5	1021038	-		0.76	26.9	38.1	17.5	19.6	60.5	14.7	74.7	90.4	106.4	42.9	16.0	*	-	1.5	0.5	3.5
3/4	7	1021047			1.23	31.8	46.0	20.6	22.6	71.4	17.5	88.9	105.4	126.2	50.8	19.1	-	-	1.5	0.5	6.4
7/8	9.5	1021056	4	+	1.79	36.6	53.1	24.6	25.9	84.1	20.6	102.4	122.4	148.1	57.9	22.4	4	-	1.5	0.5	6.4
1	12.5	1021065	16	*	2.57	42.9	60.5	26.9	29.2	95.3	23.4	119.1	136.9	166.6	68.3	25.4	+1	40	1.5	0.5	6.4
1-1/8	15	1021074	1.	4	3.75	46.0	68.3	31.8	31.8	108.0	26.4	131.1	149.9	189.7	73.9	28.7	43		1.5	0.5	6.4
1-1/4	18	1021083	-	-	5.31	51.6	76.2	35.1	35.6	119.1	29.5	146.1	169.9	209.6	82.6	32.8	- 1	-	1.5	0.8	6.4
1-3/8	21	1021092		1	7.18	57.2	84.1	38.1	38.9	133.4	32.5	162.1	183.1	232.7	92.2	36.1	-	3	3.3	0.8	6.4
1-1/2	30	1021110	1021129	1262407	8.52	60.5	91.9	41.1	41.4	146	35,3	175	196	254	98.6	38.9			3.3	0.8	6.4
1-3/4	40	1021138	1021147	1262416	15.4	73.2	106	57.2	50.8	178	44.5	224	237	313	127	46.7	-	-	3.3	0.8	6.6
2	55	1021156	1021165	1262425	23,6	82.6	122	61.0	57.2	197	50.8	258	264	347	146	52.8	-		3.3	0.8	6.4
2-1/2	85	1021174	1021183	1262434	43.5	105	148	79.2	69.9	267	66.5	324	345	455	184	68.8		-	6.4	0.8	6.4
3	120	1021192		1262443	81	127	165	92.2	82.6	330	76.2	371	384	546	200	79.2	-		6.4	1.0	6.4
3-1/2	† 150	1021218		1262452	120	133	203	311	95,3	372	95.3	432	448	632	229	91.9	102	46	6.4	0.3	6.4
4	† 175	1021236		1262461	153	140	229	116	108	368	102	457	517	652	254	102	102	46	6.4	0.3	6.4
4-3/4	† 200	1021234			209	184	267	127	121	386	116	529	611	706	279	121	102	46	6.4	0,3	6.4
5	† 250	1021243	- 12		276	216	305	143	127	470	123	600	632	828	330	127	102	46	4.0	0.3	1.8
6	† 300	1021252	1.0		362	213	330	154	152	475	124	629	666	871	330	149	102	46	4.0	0.3	1.8
7*	† 400	1021478			500	210	356	184	178	572	165	660	728	1022	330	152	102	46	6.4	0.3	6.4

4.5.1 Design Factor for sizes 2 through 21 metric tons, 5.4.1 Design Factor for sizes 30 through 175 metric tons. 4.1 Design Factor for 200 through 400 metric tons. Maximum Proof Load is 2 times the Working Load Limit. "Cast alloy steet," Furnished with round head botts with a handle. For Working Load Limit reduction due to side loading applications, see Warnings & Applications.





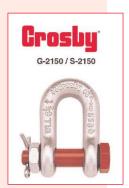


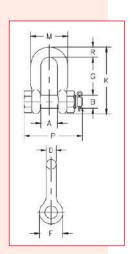












- Working Load Limit and Grade 6 permanently shown on every shackle.
- · Forged, Quenched & Tempered, with alloy pins.
- Hot-dip galvanized (G) or self-colored (S). 85 ton shackles have hot-dip galvanized bows and the bolts are Dimetcoted® and painted red.
- · Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit. (1/2t 55t).
- Approved for use at -40° C (-40 degrees F) to 204° C (400° F).
- . Meets or exceeds all requirements of ASME B30.26.
- Sizes 1/2 25t meet the performance requirements of EN13889:2003.
- Shackles 55 metric tons and smaller can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification when requested at time of order.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Lifting Appliance. Certificates available when requested at time of order and may include additional charges.
- Meets the performance requirements of Federal Specification RR-C-271G, Type IVB, Grade A, Class 3, except for those provisions required of the contractor.
- All 2150 shackles can meet charpy requirements of 42 Joules (31 ft-lb) avg at -20° C (-4° F)
 upon special request.
- Look for the Red Pin[®]... the mark of genuine Crosby quality.

G-2150 / S-2150 Bolt Type Chain Shackles

Nominal	Working Load	Sto	ock o.	Weight				D	imension (mm)	19					mm)
Size (in)	Limit (t)*	G-2150	S-2150	Each (kg)	A	В	D	F	G	К	м	Р	R	G	A
1/4	0.5	1019768	20	.06	11.9	7.9	6.4	15.5	19.1	40.4	24.6	39.6	6.35	1.50	1.50
5/16	0.75	1019770	*:	.10	13.5	9.7	7.9	19.1	25.4	48.5	29.5	46.2	7.85	1.50	1.50
3/8	1	1019772	27	.15	16.8	11.2	9.7	23.1	31.0	58.5	35.8	55.0	9.65	3.30	1.50
7/16	1,5	1019774	*3	22	19.1	12.7	11.2	26.9	36.1	67.5	41.1	63.5	11.2	3.30	1,50
1/2	2	1019775	1019784	.34	20.6	16.0	12.7	30.2	41.4	77.0	46.0	71.0	12.7	3.30	1.50
5/8	3.25	1019793	1019800	.67	26.9	19.1	16.0	38.1	51.0	95.5	58.5	89.5	16.0	3.30	1.50
3/4	4.75	1019819	1019828	1.14	318	22.4	19.1	46.0	60.5	115	70.0	103	20.6	6.35	1.50
7/8	6.5	1019837	1019846	1.74	36.6	25.4	22.4	53.0	71.5	135	81.0	120	24.6	6.35	1.50
1	8.5	1019855	1019864	2.52	42.9	28.7	25.4	60.5	81.0	151	93.5	135	25.4	6.35	1.50
1-1/8	9.5	1019873	1019882	3.45	46.0	31.8	28.7	68.5	91.0	172	103	150	31.8	6.35	1.50
1-1/4	12	1019891	1019908	4.90	515	35.1	31.8	76.0	100	191	115	165	35.1	6.35	1.50
1-3/8	13.5	1019917	1019926	6.24	57.0	38.1	35.1	84.0	111	210	127	183	38.1	6.35	3.30
1-1/2	17	1019935	1019944	7.72	60.5	41.4	38.1	92.0	122	230	137	196	41.1	6,35	3.30
1-3/4	25	1019953	1019962	14.2	73.0	51.0	44.5	106	146	279	162	230	54.0	6.35	3,30
2	35	1019971	1019980	21.2	82.5	57.0	510	122	172	312	184	264	60.0	6.35	3.30
2-1/2	55	1019999	1020004	38.6	105	70.0	66.5	145	203	377	238	344	66.5	6.35	6.35
3	† 85	1020013	and the same	56	127	82.5	76.0	165	216	429	279	419	89.0	6.35	6.38

6:1 Design Factor. Maximum Proof Load is 2 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see Warnings & Applications. † Individually Proof Tested with certification.























S2169 Shackle Wide Body



S209T Theatrical Shackle



S252 Bolt Type Sling Shackle



S281 Web Sling Shackle



S281 Web Sling Shackle



S130A Alloy Bolt Type Shackle



G209 Shackle Screw Pin



G209A Alloy Shackle













G2140 Bolt Type Alloy Shackle



G2140E Easy Lock Shackle



G2150 Bolt Type Chain Shackle



G2160 Wide Body Shackle



G2160E E Easy-Loc Wide Body Shackle



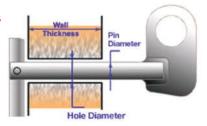
G2100 Release and Retrieve ROV Shackle





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/pir
35mm	170mm	1500kg/pin
38mm	200mm	2000 kg/pir

Green Painted Gin Block

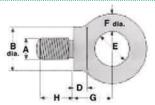
With swivel round eye. Rope available on request.



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

Eye bolts

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





Eve bolts

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

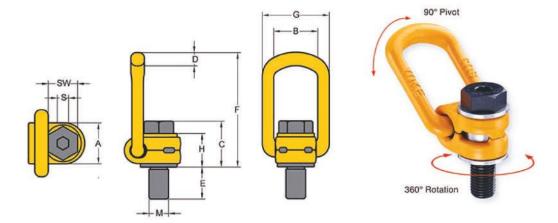
				Din	nensions				BSW Thread
SWL	Α	В	D	E	F	G	н	Weight	Product
tonnes	inches	mm	mm	mm	mm	mm	mm	kgs/each	Code
0.10	1/4"	22	7	15	9	20	18	0.07	EBC0010
0.15	5/16*	22	7	15	9	20	18	0.07	EBC0015
0.25	3/8"	22	7	15	9	20	18	0.07	EBC0025
0.50	1./2*	22	7	15	9	20	18	0.08	EBC0050
0.90	5/8"	29	10	20	12	26	23	0.17	EBC0090
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	11/8*	65	22	44	26	58	51	1.60	EBC0350
4.50	11/4"	72	24	48	29	64	56	1.75	EBC0450
6.50	11/2*	86	29	57	33	76	67	3.60	EBC0650
9.00	13/4"	101	34	68	40	90	79	5.60	EBC0950
12.00	2"	115	38	76	44	102	89	9.10	EBC1200
15.00	21/4"	128	42	85	50	115	101	15.00	EBC1500
20.00	21/2*	143	48	95	55	127	111	17.70	EBC2000
30.00	3"	172	57	115	67	152	133	30.40	EBC3000





- 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	Thread	Thread	Thread	Α	В	С	D	F	G	Н	S	sw	Torque	Mass
	tonnes	M	E mm	Pitch	mm	mm	mm	mm	mm	mm	mm	mm	mm	in Nm	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	6	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	38	3	60	65	79	23	170	99	62	17	41	400	2.8
8-211-050	5.0	M30	48	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





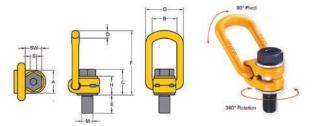
USES

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

		Ġ	\$ \$	G J	J c J	2	a	e G	6	1	
Number of legs		1	2	1	2		2	2	3	-4	3-4
Load Direction	2002	0°	0°	90°	90°	0-45°	45-60°	unsymm.	0-45°	45-60°	unsymm.
Part Code	Thread					WLL	tonnes			1	
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

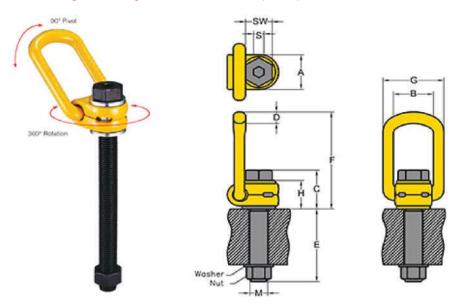






- Rotates through
 360° and pivots 90°.
- Manufactured from alloy steel, quenched and tempered.
- Manufactured and tested in accordance with EN1677-1.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test Certification.
- Bolts are Metric 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

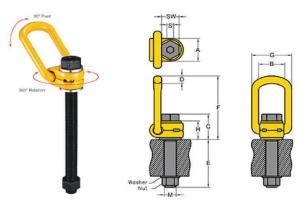
Part Code	WLL	Thread	Thread	Thread	Α	В	С	D	F	G	Н	s	sw	Torque	Mass
	tonnes	M mm	E mm	Pitch	mm	mm	mm	mm	mm	mm	mm	mm	mm	in Nm	kg
8-211-003/ 105L	0.3	M8	76	1.25	30	35	35	10	85	55	29	6	13	30	0.3
8-211-006/ 125L	0.63	M10	96	1.5	30	35	36	10	85	55	29	6	17	60	0.4
8-211-010/ 150L	1	M12	114	1.75	33	37	44	14	98	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





Lifting Point Long Bolt Working Load Application Factors

		Ġ	o o	G	J G J	3	a de la companya de l		6	1	
Number of legs		1	2	1	2		2	2	3	-4	3-4
oad Direction		0°	O ^a	90°	90°	0-45°	45-60°	unsymm.	0-45°	45-60°	unsymm.
Part Code	Thread		7: 17.			WLL 1	Tonnes				35 33
8-211-003/10 5L	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 5L	M10	0.63	1.26	0.63	1.26	0.88	0.63	0.63	1.32	0.95	0.63
8-211-010/15 0L	M12	1	2	1	2	1.4	1	1	2.1	1.5	1
8-211-015/18 5L	M16	1.5	3	1.5	3	2.1	1.5	1.5	3.1	2.2	1.5
8-211-025/23 0L	M20	2.5	5	2.5	5	3.5	2.5	2.5	5.2	3.7	2.5
8-211-040/26 5L	M24	4	8	4	8	5.6	4	4	8.4	6	4
8-211-050/34 0L	M30	5	10	5	10	7	5	5	10.5	7.5	5
8-211-080/30 0L	M36	8	16	8	16	11.2	8	8	16.8	12	8
8-211-100/35 0L	M42	10	20	10	20	14	10	10	21	15	10
8-211-150/35 0L	M42	15	30	15	30	21	15	15	31.5	22.5	15
8-211-200/38 5L	M48	20	40	20	40	28	20	20	42	30	20



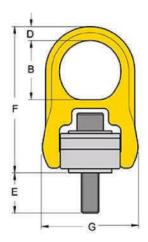


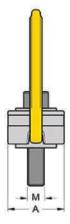


- Rotates through 360° and pivots 180°, rated at 100% at 90° angle.
- Manufactured from forged alloy steel, quenched and tempered.
- Manufactured and tested in accordance with EN1677-1.
- Load rated parts are 100% magnaflux crack detected.
- Individual forged parts and cap screw are traceable to Test 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	WLL	WLL	Thread	Α	В	D	E	F	G	Torque	Mass	CAD
Code				mm	mm	mm	mm	mm	mm		Kg	Files
	tonnes	tonnes	M							Nm		
	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.





USES

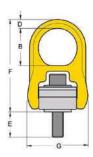
Swivel Hoist Ring uses can be as follows:

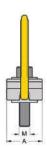
- Heavy duty flexible attachment point
- Suited for lifting objects with no obvious attachment points
- Mold and die handling
- Pump and valve handling

Swivel Hoist Ring - Type 203 Working Load Application Factors

		Ġ	o o	6	Jal	2	3	• 6	0	1	
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			****	7	WLL t	onnes				
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	1.95	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	7.88	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







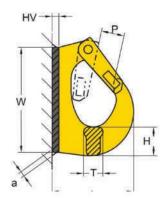


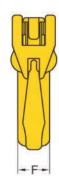


* Designed to be a permanent slinging attachment point for jibs and arms on mobile excavators.

Weld On Hook *







METRIC SPECIFICATIONS

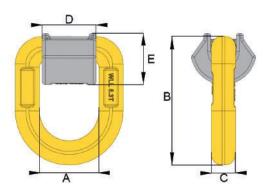
Part Code	WLL tonnes	F mm	H mm	L mm	P mm	T mm	W mm	HV mm	a mm	Box Quantity	Mass Kg
8-081-01	1.0	25	27	70	18	18	95	7	4	24	0.6
8-081-02	2.0	30	30	85	25	20	115	8	5	18	1.0
8-081-03	3.0	35	30	107	28	23	133	9	6	12	1.4
8-081-04	4.0	42	38	114	28	30	142	10	7	12	2.2
8-081-05	5.0	44	47	135	30	31	167	12	7	6	3.0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





Hack8 Weld On 'D' Ring





METRIC SPECIFICATIONS

Part Code	A mm	B mm	C mm	D mm	E mm	Box Qty.	WLL tonnes	Mass kg
8-H08-001	41	78.5	13.0	37.0	33.5	50	1.12	0.40
8-H08-003	45	94.0	17.0	42.5	39.0	30	3.15	0.70
8-H08-005	55	118.0	22.0	50.0	49.0	15	5.30	1.50
8-H08-008	70	141.0	26.5	70.5	54.0	10	8.00	2.50

IMPERIAL SPECIFICATIONS

Part Code	A inch	B inch	C inch	D inch	E inch	Box Qty.	WLL Ibs	Mass Ibs
8-H08-001	1.61	3.09	0.51	1.45	1.31	50	2469	0.88
8-H08-003	1.77	3.70	0.66	1.67	1.53	30	7100	1.54
8-H08-005	2.16	4.64	0.86	2.40	1.92	15	12000	3.30
8-H08-008	2.75	5.55	1.04	2.77	2.12	10	18100	5.51







LOAD ANGLE B

LOAD TABLES Lifting Points, Lifting Chains.



permitted range 0° 60

Please regard the RUD user instructions!

Service and inspection at regular intervalls. Correct handling.



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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



Litting	CHAINS I	CE 120 Grade 120					10 12
		1-leg	2-	leg	3- and	d 4-leg	2 × 2-leg
		+	7	3	3		balancer
load a	ngle β	0	0-45°	> 45-60°	0-45°	> 45-60°	0-45°
load t	factor	. 1	1,4	1	2,1	1,5	2,8
chain diameter	grade						
4	VIP-10	0,63	0,88	0,63		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		2,25	4,2
6	ICE-12	1,8	2,52	1,8	3,75	2,7	5,1
8	GK-8	2	2,8	2	4,25	3	-
	VIP-10	2,5	3,5		5,25	3,75	7
8	ICE-12		4,25		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		6	11,2
10	ICE-12		7,1		10,6	7,5	14,1
13	GK-8	5,3	7,5	5,3	11,2	8	-
	VIP-10	6,7	9,5	6,7		10	19
13	ICE-12	8	11,2	8	17	11,8	22,6
16	GK-8	8	11,2	8	17	11,8	-
16	VIP-10	10	14	10		15	28
16	ICE-12	12,5	17	12,5	26,5	19	35,3
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		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*	89
32	GK-8	31,5	45	31,5	67,5	47,5	-

DGUV-R 109-017: 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 points	for 3/4 lifting points
designation	G	G P	β 1 ± 45°	β ±45°
VRBS-FIX-4t	4	4	5,6	8,4
VRBS-FIX-6,7 t	6,7	6,7	9,4	14,1
VRBS-FIX-10 t	10	10	14	21,2
VRBS-FIX-16t	16	16	22,4	33,6
VRBS-FIX-31,5 t	31,5	31,5	45	66,2
VRBS-FIX-50 t	50	50	70	105
VRBS-FIX-100 t	100	100	140	210



- pivots up to 180°
 no subsurface corrosion: circumferential 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		für 2 Anschlagpunkte	for 3/4 lifting points	
designation	G	G	β 1 ≤ 45°	β ±45°	
VRBK-FIX-4 t	4	4	5,6	8,4	
VRBK-FIX-6,7 t	6,7	6,7	9,4	14,1	
VRBK-FIX-10 t	10	10	14	21,2	
VRBK-FIX-16t	16	16	22,4	33,6	
VRBK-FIX-31,5 t	31,5	31,5	45	67	
VRBK-FIX-50 t	50	50	70	105	



pivots up to 270°
 no subsurface corrosion: circumferential HY weld seam

· ideal for use on edges

ABA/WELDABLE LIFTING POINT - FULL WLL IN ALL DIRECTIONS

directions of pull		or 1 point	for 2 lifting points	for 3/4 lifting points
designation	G	G	β1 ≤45° *	G 245°
ABA-0,8 t	0,8 (2)	0,8 (2)	1,12 (2,8)	1,6 (4,25)
ABA-1,6t	1,6 (4)	1,6 (4)	2,2 (5,6)	3,4 (8,4)
ABA-3,2 t	3,2 (9)	3,2 (9)	4,5 (12,6)	6,7 (18,9)
ABA-5t	5 (12)	5 (12)	7 (16,8)	10,5 (25,2)
ABA-10t	10 (20)	10 (20)	14 (28)	21,2 (42)
ABA-20 t	20	20	28	42
ABA-31,5 t	31,5	31,5	45	67



- forged lifting point
 clear WLL marking
- circular fillet weld

() = WLL X planar to the ring

* = 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!





LIFTING POINTS - FOR BOLTING

max. transport weight in [t]



ACP TURNADO

directions of pull	fo	or 1 point	for 2 lifting points	for 3/4 lifting points
designation thread size	Ġ	*/	0	245
ACP M 8	0,7	0,7	0,98	1,47
ACP M 10	1,0	1,0	1,4	2,1
ACP M 12 / 1/2"	1,35	1,35	1,9	2,84
ACP M 16 / 5/8"	2,5	2,5	3,5	5,25
ACP M 20 / 3/4"	4	4	5,6	8,4
ACP M 24 / 1"	6,3	6,3	8,8	13,2
ACP M 30 / 1 1/4"	8	8	11,2	17
ACP M 36	15	12,5	17	26,5
ACP M 42	18	16	22,4	33,6
ACP 1 1/2"	16	14	19,6	29,4
ACP 1 3/4"	18	16	22,4	33,6



- no stopping of the lift bale
- higher working load limits (WLL) than hoist rings of comparable sizes
- no kinking possible

VWBG-V/VWBG/VIP LOAD RING FOR BOLTING - VARIO

directions of pull	for 1 lifting point	Higher WLL by optimised attachment or application				
designation thread size	<mark>0</mark> G	G 📶	β ≤ 45°	G		
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	3,75		
VWBG-V-2 t-M20/M22	4	2	2,8	4,25		
VWBG-V-3,5 t-M24/M27	7	3,5	4,9	7,35		
VWBG-V-5 t-M30	10	5	7	10,6		
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)
- *= At inclination angles > 45-60° the WLL must be reduced by 30 %.

 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]



VRS/VARIO EYE BOLT "STARPOINT"

directions of pull		or 1 point	for 2 lifting points	for 3/4 lifting points
designation thread size	o G	G 📀	β1 ^{≤45} , G	6 6
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-16 t-M56	50	16	22,4	33,6
VRS-20 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

VLBG-PLUS/VIP LOAD RING FOR BOLTING PLUS

directions of pull	fo lifting		for 2 lifting points	for 3/4 lifting points
designation thread size	G G	G	β ≤45°	G 45
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-2t 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	9,5	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



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 noise reduction

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

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





LIFTING POINTS - FOR BOLTING

max. transport weight in [t]



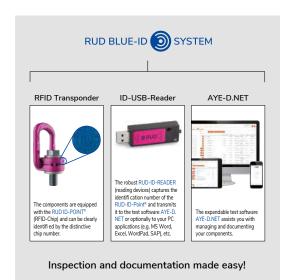
PP-S/POWERPOINT®-STAR (UNIVERSAL CONNECTION) PP-B/POWERPOINT®-B (RING CONNECTION) PP-VIP/POWERPOINT®-VIP-CHAIN CONNECTION

directions of pull	fo	or 1 point	for 2 lifting points	for 3/4 lifting points
designation thread size	g G	G	β 1 ± 45° G	G
PP-0,63 t-M12	0,63	0,63	0,88	1,32
PP-1,5 t-M16	1,5	1,5	2,12	3,15
PP-2,5 t-M20	2,5	2,5	3,5	5,25
PP-4 t-M24	4	4	5,6	8,4
PP-5 t-M30	6,7	5	7	10,6
PP-8t-M36	10	8	11,2	17



- pivoting 360°. Suspension
- double ball bearing
- can be combined with most commercial lifting

^{* =} 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



LIFTING POINTS - FOR WELDING

max. transport weight in [t]

WPP-S/WPPH-S/POWERPOINT®-STAR WPP-B/WPPH-B/POWERPOINT®-B (RING CONNECT) WPP-VIP/WPPH-VIP/PP®-VIP CHAIN CONNECT

directions of pull	fo	or 1 point	_for 2 lifting points	_for 3/4 lifting points
designation	- <mark>Coa</mark> lg	G	\$ 40° G	G
WPP-0,63 t	0,63	0,63	0,88	1,32
WPP-1,5t	1,5	1,5	2,12	3,15
WPP-2,5	2,5	2,5	3,5	5,25
WPP-4t	4	4	5,6	8,4
WPP-5t	6,7	5	7	10,6
WPP-8t	10	8	11,2	17
WPPH-0,63 t	0,63	0,63	0,88	1,32
WPPH-1,5t	1,5	1,5	2,12	3,15
WPPH-2,5	2,5	2,5	3,5	5,25
WPPH-4t	4	4	5,6	8,4
WPPH-5t	6,7	5	7	10,6
WPPH-8t	10	8	11,2	17







- · can be combined with most commercial lifting means
- WPP: Swivels 360° and pivots 230°
- WPP: double ball bearing

VI BS /VI RS-LL/VIP LOAD RING F. WELDING/-UNDETACHABLE

directions of pull	for 1 lifting point		_for 2 lifting points	_for 3/4 lifting points
designation	Q G	G 🖒	β 1 ≤45°	G
VLBS / VLBS-U-1,5 t	1,5	1,5	2,12	3,15
VLBS / VLBS-U-2,5 t	2,5	2,5	3,5	5,25
VLBS / VLBS-U-4 t	4	4	5,6	8,4
VLBS / VLBS-U-6,7 t	6,7	6,7	9,4	14,1
VLBS / VLBS-U-10 t	10	10	14	21,2
VLBS-16t	16	16	22,4	33,6



- suspension ring pivots
- . 100 % WLL at 90° in the load ring plane possible suspension ring can be

* = 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



rss Lifting Accessories



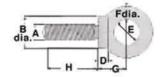


Eye bolts

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

Eye bolts

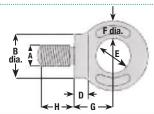
 Long shank collared eyebolts Tested and certified See chart



					Dir	mension	s			BSW Thread	Metric Thread
SWL tonnes	A	A mm	B	D	E	F	G	H	Weight kgs/each	Product Code	Product Code
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	EBSLM20
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	11/4"	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



				Din	nensions				Metric Thread
SWL	Α	В	D	E	F	G	Н	Weight	Product
tonnes	mm	mm	mm	mm	mm	mm	mm	kgs/each	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



rss Manual Chain Hoists



Hand Operated Heavy Duty Chain hoists

Available from 250kg to 30 tonne

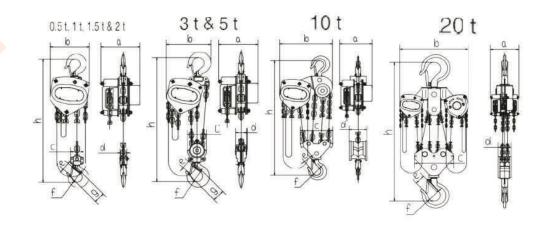
Lengths of chain available to suit your requirements

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

Industrial safety catches

Swivel hooks top & bottom





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



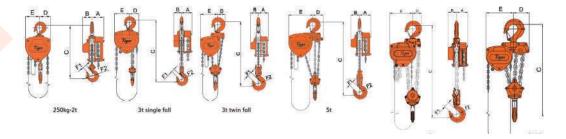
rss PROCB Chain Block

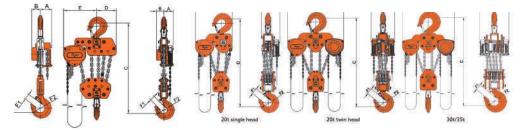


PROCB Chain Block

- Range from 250kg - 35.0t
- Available with slipping clutch overload protection
- Tested and certified for "fleeting", "drifting" and "cross-hauling" applications up to 45° from the vertical atented Quad Cam Pawl System
- Certified 2% light load protection
- Rugged steel body construction yet lightweight and portable
- Double cover protection for brake chamber
- Drop forged & heat-treated alloy hooks
- High quality alloy calibrated load chain







		-00			Dim ens	ions (mm)			Load C	hain	6. 1.1	Weight	Weight for
Product Code	(tonne)	Effort (kg)	Α	В	С	D	Е	FI	F2	Diameter (mm)	No. of falls	Standard HOL (m)	@ std HOL (kg)	extra metre HOI (kg)
CB-0025	0.25	17	64	40	240	36	60	22	31	4.0	1	3	3.8	0.5
CB-0050	0.5	21	93	66	305	52	78	24	38	6.3	1	3	10.5	1.9
CB-0100	1.0	25	93	66	340	63	87	28	45	6.3	1	3	11.5	1.9
CB-0150	1.5	32	98	73	385	78	102	34	51	7.1	- 1	3	16.0	2.1
CB-0200	2.0	34	101	79	420	87	113	35	53	8.0	1	3	20.0	2.4
CB-020L	2.0	42	98	73	399	78	102	35	53	7.1	- 1	3	16.5	2.1
CB-0300	3.0	38	109	84	500	98	157	36	56	10.0	1	3	30.5	3.2
CB-030T	3.0	34	98	73	488	60	148	36	56	7.1	2	3	23.0	3.2
CB-0500	5.0	37	101	79	575	122	209	49	70	8.0	3	3	37.5	5.2
CB-0600	6.0	38	109	84	635	86	220	49	70	10.0	2	3	45.5	5.3
CB-0800	8.0	34	109	84	610	153	263	51	78	10.0	3	3	61.0	7.5
CB-1000	10.0	40	109	84	660	153	263	54	87	10.0	3	3	64.0	7.5
CB-1500	15.0	41	109	84	840	225	378	59	81	10.0	5	3	128.5	11.8
CB-2000	20.0	43	161	90	1050	148	360	81	110	10.0	6	3	178.5	14.2
CB-200T	20.0	43	161	161	1050	383	383	81	110	10.0	6	3	210.5	15.2
CB-3000	30.0	42	220	220	1200	390	390	91	135	10.0	10	3	307.0	23.8
CB-3500	35.0	40	240	240	1200	390	390	91	135	10.0	12	3	365.0	27.0

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rss Lever Hoists



Lever Hoists

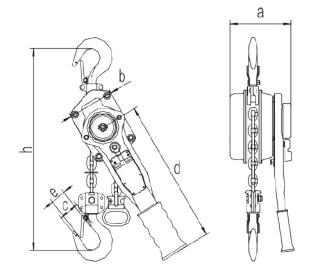
c/w 1.5 Mtr Height of Lift. Tested and certified.

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



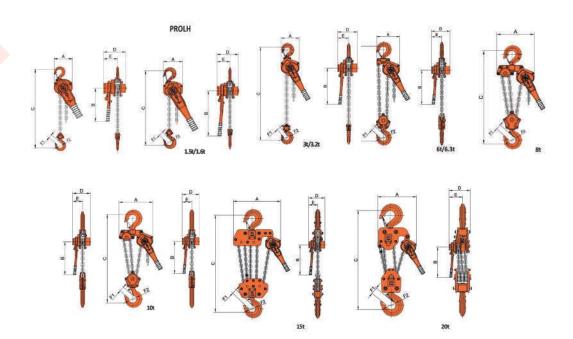
rss PROLH Lever Hoists



PROLH Lever Hoist

- Available with slipping clutch overload protection
- Range from 800kg -20000kg
- Available with forged clevis adaptor components or shipyard hooks
- Equipped with our unique intelligent dual brake system;
- Globally patent protected Quad Cam pawl and ratchet design
- Unique load sensing torsion brake
- Thousands of hours of empirical evidence as proof of design
- One-piece construction pinion gear





		-66 .			Dimen	sions (mm)			Load C	hain	e. 1 1	Weight	Weight for
Product Code	(tonne)	Effort (kg)	Α	В	С	D	(E)	F1	F2	Diameter (mm)	No. of falls	Standard HOL (m)	estd HOL (kg)	extra metre HOI (kg)
PLH-0080	0.8	23	128	240	295	158	99	28	45	6.3	1	1.5	7.5	0.9
PLH-0160	1.6	28	154	360	320	172	104	34	51	7.1	1	1.5	10.5	1.1
PLH-0320	3.2	40	182	360	400	195	108	36	56	10.0	1	1.5	18.0	2.2
PLH-0630	6.3	42	242	360	570	195	108	49	70	10.0	2	1.5	28.5	4.3
PLH-0800	8.0	38	379	360	580	195	108	51	78	10.0	3	1.5	43.0	6.5
PLH-1000	10.0	47	379	360	630	195	108	54	87	10.0	3	1.5	46.0	6.5
PLH-1500	15.0	44	566	360	840	195	108	59	81	10.0	5	1.5	112.0	10.8
PLH-2000	20.0	49	470	360	1050	250	160	81	110	10.0	6	1.5	156.0	13.1

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rss Beam Clamps



Beam Clamps

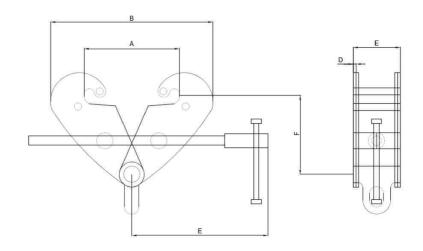
Adjustable Beam Clamps. Tested and certified.



Available from 1 tonne to 10 tonne

Easy screw bar to adjust beam widths

Large suspension eye



1	2	3	5	10
1.5	3	4.5	7.5	15
75-220	75-220	80-320	80-320	80-350
265	260	370	380	390
184	185	220	222	234
367	360	510	522	536
80	74	120	127	134
5	6	8	10	12
230	215	274	276	274
173	155	227	222	245
102	102	132	98	150
24	25	46	45	69
21	22	24	23.2	32.6
4	4.6	9.1	111	14.6
	1.5 75-220 265 184 367 80 5 230 173 102 24	75-220 75-220 265 260 184 185 367 360 80 74 5 6 230 215 173 155 102 102 24 25 21 22	1.5 3 4.5 75-220 75-220 80-320 265 260 370 184 185 220 367 360 510 80 74 120 5 6 8 230 215 274 173 155 227 102 102 132 24 25 46 21 22 24	1.5 3 4.5 7.5 75-220 75-220 80-320 80-320 265 260 370 380 184 185 220 222 367 360 510 522 80 74 120 127 5 6 8 10 230 215 274 276 173 155 227 222 102 102 132 98 24 25 46 45 21 22 24 23.2

38



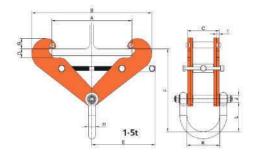
rss BCS Beam Clamp

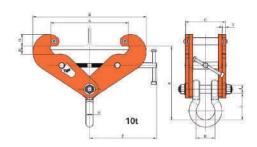


BCS Beam Clamp

- Range from 1.0t to 10.0t
- Quick and versatile rigging point for hoisting equipment
- Shackle suspension point
- Highly flexible for lifting, pulling or as an anchor point
- Multidirectional adjusting screw spindle for easy attachment and safe and secure grip
- Wide Beam flange adjustment range
- Operating temperature -40°C to +80°C (temperature range of -60°C to +80°C available as an option)
- Factor of safety: 5:1 for straight pulling and lifting, 4:1 at angles up to 45° (applying the appropriate reduction in WLL)
- Optional locking device







Product	Capacity					Dim	ensions							Net
Code	(tonne)	А	В	С	D	Е	E	G	Н	1	K	L	Т	Weight (kg)
BCS-0100	1.0	75-210	182-328	77	24	195	250-225	52-38	16	21	81	83	5	4.5
BCS-0200	2.0	75-210	182-328	85	24	195	260-236	52-38	18	21	89	94	6	5.5
BCS-0300	3.0	75-305	214-460	107	25	250	357-311	58-40	22	27	112	105	8	9.5
BCS-0500	5.0	75-305	214-460	121	25	250	363-315	58-40	27	27	125	111	10	11.0
BCS-1000	10.0	120-350	295-510	180	30	300	381-330	71-54	32	37	83	120	16	26.5



rss Beam Trolley



Beam Trolley

Push Travel (Girder) Trolleys. Tested and certified.

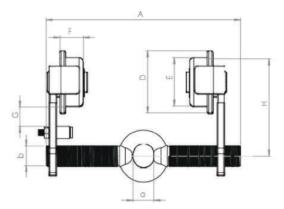


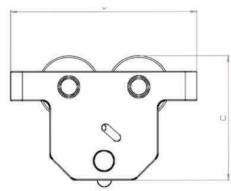
Available from 500kg to 5 tonne

Easy screw bar to adjust beam widths

Bearings on rollers

Large suspension eye





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



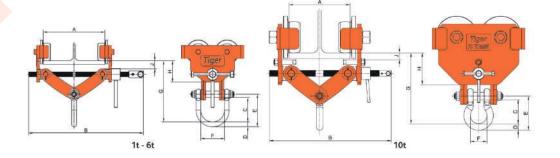
rss APT Beam Trolley



APT Beam Trolley

- Range from 1.0t to 10.0t
- Fitted with a screw spindle which allows lockable adjustment to the various flange sizes within its capacity
- The anti-drop plates design ensures extra safety and prevents damage to wheels when contacting end rail stoppers
- Wheels run on sealed bearings for smoother rolling with less effort and maintenance
- Powder coated universal wheels suit both tapered and flat flange beams
- Locking device with high clamping force
- Operating temperature of -40°C to +80°C (temperature range of -60°C to +80°C available as an option)
- The 5:1 factor of safety allows for use with manual or powered hoists





Product	Туре	Capacity	Track width range (mm)				Dimens	sions (n	nm)			Min.	Net Weight
Code	lype	(tonne)	A	В	С	D	E	F	G	Н	1	ratio (m)	(kg)
APT-0100	Plain	1,0	75-210	391	83	16	110	81	255-208	73	27	1.0	9.5
APT-0200	Plain	2.0	75-210	391	94	18	123	89	276-227	79	38	1.3	13.5
APT-0300	Plain	3.0	75-210	403	105	22	141	112	288-241	99	35	1.5	23.0
APT-0600	Plain	6.0	105-305	521	111	27	151	125	358-290	115	46	1,5	35.5
APT-1000	Plain	10.0	160-305	606	119	32	170	83	407-352	157	33	2.7	110.0



rss Geared Beam Trolley



Geared Beam Trolley

Tested and certified.

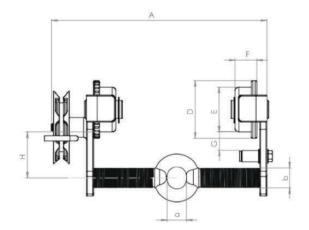


Available from 500kg to 5 tonne

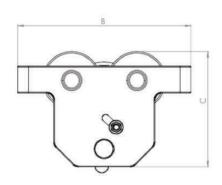
Easy screw bar to adjust beam widths

Bearings on rollers

Large suspension eye



42



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



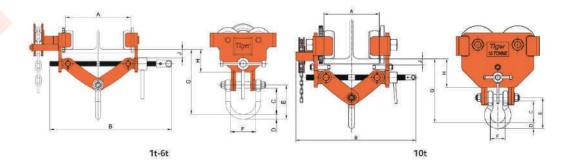
rss AGT Geared Beam Trolley



AGT Geared Beam Trolley

- Range from 1.0t to 10.0t
- Height available 3mtr, 6mtr, 9mtr 12mtr
- Fitted with a screw spindle which allows lockable adjustment to the various flange sizes within its capacity
- The anti-drop plates design ensures extra safety and prevents damage to wheels when contacting end rail stoppers
- Wheels run on sealed bearings for smoother rolling with less effort and maintenance
- Powder coated universal wheels suit both tapered and flat flange beams
- Locking device with high clamping force
- Operating temperature of -40°C to +80°C (temperature range of -60°C to +80°C available as an option)
- The 5:1 factor of safety allows for use with manual or powered hoists





Product	Туре	Capacity	Track width range (mm)				Min, curve	Net Weight					
Code	19,63	(tonne)	А	В	C	D	E	F	G	Н	1	ratio (m)	(kg)
AGT-0100	Geared	1.0	75-210	391	83	16	110	81	255-208	73	27	1.0	13.0
AGT-0200	Geared	2.0	75-210	391	94	18	123	89	276-227	79	38	1.3	17.0
AGT-0300	Geared	3.0	75-210	403	105	22	141	112	288-241	99	35	1.5	28.5
AGT-0600	Geared	6,0	105-305	521	111	27	151	125	358-290	115	46	1.5	40.0
AGT-1000	Geared	10.0	160-305	606	119	32	170	83	407-352	157	33	2.7	120.0



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 Lifiting, 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.







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

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



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.













HOW BLOKCAM WORKS

1. On the hook block and/or boom tip

The sensor captures the audio-visual feed and sends it to the transmitter. The signal is then transmitted to a repeater on the jib, boom or cab.

The battery powers both the transmitter and the sensor. Each component attaches magnetically and can be mounted on the block, including between the cheek plates and on the boom tip.

2. Repeater on the jib/boom and/or cab

The repeater receives the wireless signal from the transmitter and is relayed back to a monitor in the cab. The repeater position and configuration is dependent on the type of crane, type of jib/boom and length of jib/boom.



The live audio-visual feed is then processed and displayed on the screen positioned inside the cab, allowing the operator to see and hear live footage of everything below the camera.







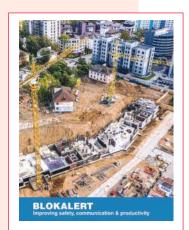




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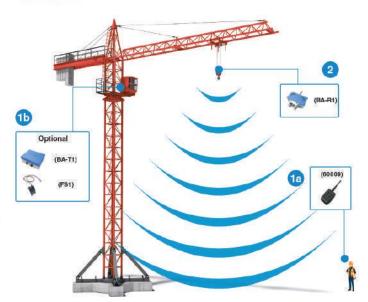
HOW BLOKALERT WORKS

1a The lifting crew/rigger
The handheld fob is activated
by the riggers or lifting crew.
When operated, the signal is
transmitted to the receiver on
the hook block of the crane.

and/or

1b In the operator's cab
The transmitter is activated by a
footswitch in the crane cab. When
operated, the signal is transmitted
to the receiver on the hook block
of the crane.

2 On the hook block On receipt of a signal from a transmitter, the Receiver is activated, alerting the workforce to the proximity of the hook block.









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 costeffective alternative to standard compression load cells.

Wireless Compression Load Cell



- 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



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 lifiting 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 lifiting 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 threephase 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





92 Series Vertical Plate Clamps

Standard plate clamps with safety lock - working load limit 500 - 3000kg

Model	WLL	Jaw (Z) capacity	А	В	С	D	Е	F	G	Н	I	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg**
92-500	50 - 500	0 - 16	99	195	29	33	47	50	48	11	15	1.5
92-1500	100 - 1500	0 - 20	126	225	50	49	70	82	55	13	20	3.0
92-2000	200 - 2000	0 - 32	192	312	80	75	96	100	81	20	24	8.0
92-3000	300 - 3000	0 - 32	192	320	80	75	96	100	81	30	30	12.0

PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order.

*Per clamp. **Weight per clamp with hook ring. ***Standard length of chain = 4-6 links.



CH / HH Horizontal Plate Clamps

Industry standard horizontal plate clamps - working load limit 1000 - 10000kg

Model	WLL	Jaw capacity	А	В	С	D	Е	F	G	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	kg**
CH1***	1000	5 - 32	30	82	60	100	32	44	13	8
CH2	2000	5 - 32	30	82	60	100	50	73	18	11
CH2L	2000	20 - 50	30	82	60	100	50	73	18	12
CH4	4000	5 - 50	40	112	80	100	64	92	25	17
CH4L	4000	50 - 100	40	112	80	100	64	92	25	23
CH6	6000	5 - 75	55	172	100	130	90	130	35	46
CH6L	6000	50 - 125	55	172	100	130	90	130	35	56
CH8	8000	5 - 75	55	172	105	130	90	130	35	53
CH8L	8000	50 - 125	55	172	105	130	90	130	35	60
CH10	10000	5 - 100	65	215	120	150	114	114	37 x 50	95
CH10L	10000	50 - 150	65	215	120	150	114	114	37 x 50	108
CH15	15000	5 - 100	71	230	120	150	114	114	37 x 50	110
CH15L	15000	50 - 150	71	230	120	150	114	114	37 x 50	123
CH20	20000	5 - 100	70	220	118	220	80	120	38 x 60	165
CH20L	20000	50 - 150	70	220	118	220	80	120	38 x 60	172
HH8	8000	5 - 50	55	168	105	130	67	67	24	21
HH8L	8000	50 - 100	55	168	105	130	67	67	24	28

*Per pair.

^{**}Weight per pair of clamps without chains.

^{***}NB. CH1 is fitted with a single jaw.



rss Plate Clamps





CY 'Hinged' Vertical Plate Clamps

Standard plate clamps with hinged hook rings - working load limit 100 - 3000kg

Model	WLL	Jaw (Z)	А	В	С	D	Е	F	G	Н	1
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
CY1	100 - 1000	0 - 20	126	270	50	49	70	95	63	12	23
CY2	200 - 2000	0 - 32	192	382	80	75	96	132	92	20	30
CY3	300 - 3000	0 - 32	192	382	80	75	96	132	92	20	30

*Per clamp.

**Weight per clamp without chains.



TPM Permanent Lifting Magnets

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

	F	lat materia	ıl	Ro	ound mater	ial						
Model	Maximum	Minimum	Maximum	Maximum	Diameter	Maximum	Tear		Dimer	nsions		Weight
	capacity WLL	thickness to obtain max. WLL	length of material	capacity WLL		length of material	off force	А	В	С	D	
	kg**	mm**	mm	kg**	mm	mm	kg	mm	mm	mm	mm	kg
TPM 0.1	100	14	2000	50	40-300	2000	300	122	69	185	160	5.3
TPM 0.3	300	20	2500	150	60-300	2500	900	192	95	225	250	13.5
TPM 0.5	500	24	3000	250	60-400	3000	1500	232	120	270	250	27.5
TPM 0.8	800	34	3500	400	60-400	3500	2400	302	154	320	450	52
TPM 1.0	1000	40	3500	500	80-400	3500	3000	332	154	320	450	57

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



rss Modular Spreader Beams





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

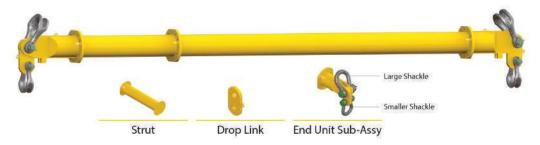
- Fixed Lifting Beams (1-10 tonne)
- Modular Spreader Beams (2-600 tonne)

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.



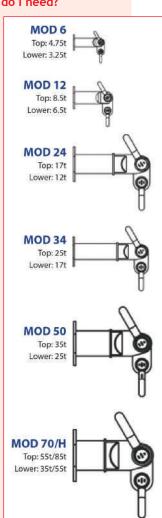
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rss Modular Spreader Beams

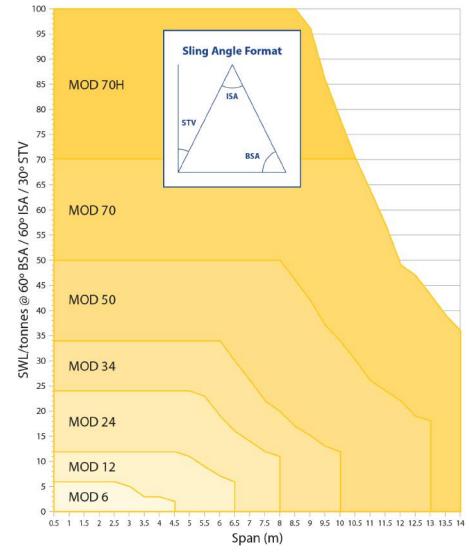


What size shackle do I need?



The Standard Range

Load v Span Chart - Modulift Spreader Beam Standard Range



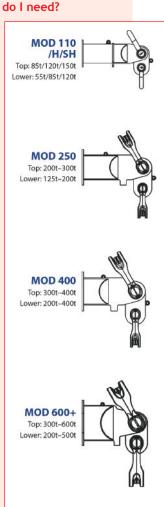
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rss Modular Spreader Beams

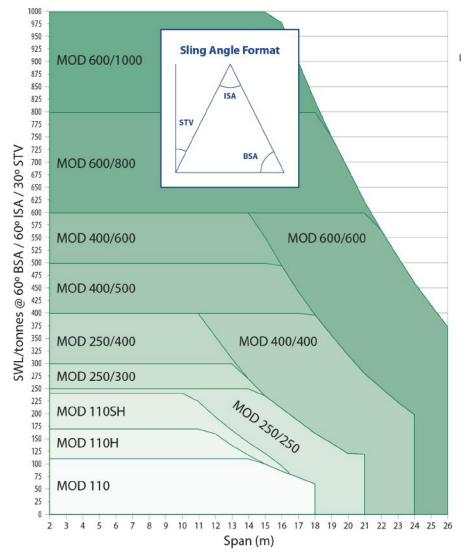


What size shackle



The Heavy Range

Load v Span Chart - Modulift Spreader Beam Heavy Range



54



rss CMOD Spreader Frames



System Benefits

- More cost effective and easier to transport than a fixed system
- Easy to set up, handle and manneuvre
- 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.



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

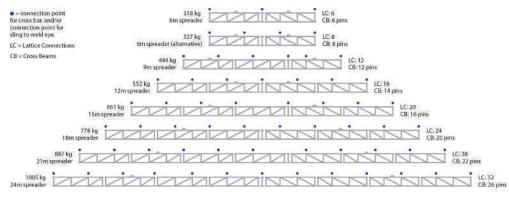


Modular Lattice Spreader Beams

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



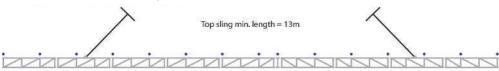
Spreader		C	onfig	urati	on (f	rame	type	es)		No. of Crossbeams
6m	2	3	2							3 or 4
9m	2	1	3	2						6
12m	1	2	3	2	1					7
15m	1	2	1	3	2	1				8
18m	1	2	1	3	1	2	1			10
21m	1	2	1	1	3	1	2	1		11
24m	1	2	1	1	3	1	1	2	1	13
=Type 1 Frame =Type 2 Frame =Type 3 Frame			Maximum 1,5m overha of roofing sheet per er							





Spreader			Con	figur	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						Maxi of ro	mum	1.5m g shee	ovei et pei	hanç end)

Assembled 27m Lattice Spreader Beam

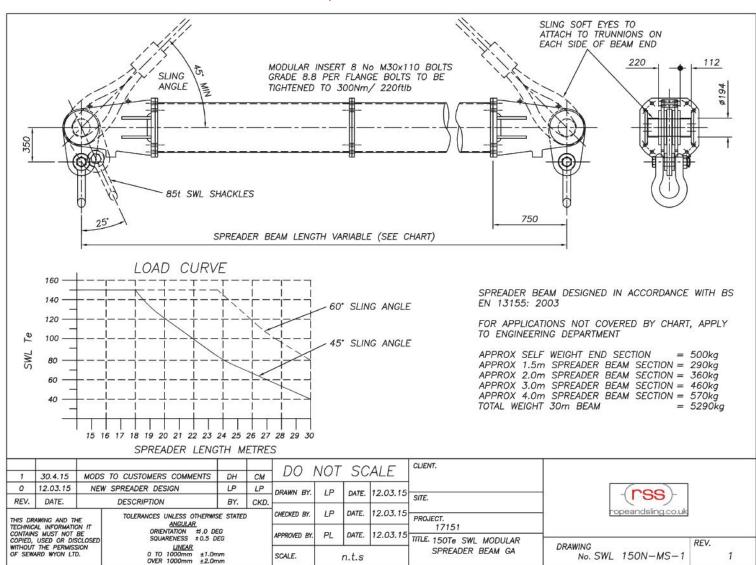




rss Modular Spreader Beam



RSS 150t Modular Spreader Beam







Rope & Sling **Specialists**

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





Rescue / Stretcher Cage

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

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



Crane Forks

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

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

Goods Carrying Cage

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

58

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







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Plastic Mortor Tub

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

Product	SWL	Capacity	Height	Width	Length	Weight
Code	(kg)	(Itrs)	(mm)	(mm)	(mm)	(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 Dimaeter (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

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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









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





rss Winches & hoists





Rope & Sling Specialists

Full range of winches and accessories are available. Please call for advice on what best suits your requirements.

Lodestar

- Available from 136kg to 3 tonne
- 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 inches mm	Head Load tonnes	Wire Rope dia mm	A1 mm	Dimensions C mm	B mm
3 76 4 ^{1/2} 114 6 152 8 203 8 203 10 254 12 305 14 357 16 406	4 4.00 2 8.00 2 8.00 3 8.00 3 15.00 4 12.00 5 15.00 7 22.00	7-9 10-12 16 20-22 20-22 20-22 20-22 24-26 28-30 28-30	286 345 475 475 475 620 679 767 952 1019	70 70 93 93 93 98 114 133 140 140	82 120 160 160 160 210 260 310 365 415





rss Winches & hoists



Rope & Sling Specialists

Take the strain out of lifting heavy loads by using a powered hoist.

Full technical support from our sales team who can advise on suitability and planning.

Air Operated Chain Hoist

- Various height of Lift
- Up to 100 tonne lifting capacity
- Compact size/light weight
- 100% Duty Rating



Electric Chain Hoist

- Various Height of Lift
- Up to 10 tonne lifting capacity
- 110/415volt available



Powered Winches

- Various wire capacity
- Up to 10 tonne lifting/pulling
- 110/415volt available







The Highest Benchmark in Hoisting Technology

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

THE NEW JDN MINI

More Safety

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

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

Sensitive Control

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







Custom-fit Configuration

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

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

THE NEW JDN MINI

Easy Maintenance

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

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

Higher speed

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

Longer Lifetime

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

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

The New JDN Mini Hoist





The Highest Benchmark in Hoisting Technology

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

THE NEW JDN MINI

Technical Data

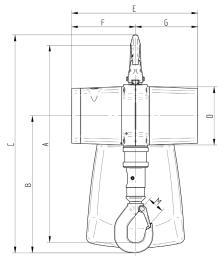
Туре		mini 125	mini 250	mini 500	mini 1000
Air pressure	bar	6	6	6	6
Capacity	kg	125	250	500	980
Number of chain strands		1	1	1	1
Motor output	kW	0.4	0.4	1	1
Lifting speed at full load	m/min	15	8	12	5.5
Lifting speed without load	m/min	40	20	20	11.5
Lowering speed at full load	m/min	30	16	18	11.5
Lowering speed without load	m/min	24	12	12	6.5
Air connection		G 3/8	G ³ /8	G 1/2	G ½
Hose dimension (Ø inside)	mm	9	9	13	13
Weight at 3 m standard lift/ 2 m control length	kg	9.5	10.5	20	22
Chain dimension	mm	4.7 x 14.1	4.7 x 14.1	7.4 x 22	7.4 x 22
Weight of 1 m chain	kg	0.48	0.48	1.2	1.2

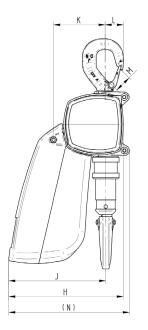




THE NEW JDN MINI

Dimensions





Туре		mini 125	mini 250	mini 500	mini 1000
A	mm	370	370	491	491
В	mm	266	266	350	350
С	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
Н	mm	175	175	250	250
J	mm	173	173	213	213
K	mm	87	87	112	112
L	mm	28	28	40	40
М	mm	19	19	28	28
(N)	mm	200	200	265	265





PROFI 025 TI - 2 TI

Technical Data

Туре		02!	ī 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 bar	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 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 <i>m/min</i>	65.6 20	65.6 20	32.8 10	36.1 11	16.4 5	18 5.5	8.2 2.5	8.9 2.7
Lifting speed without load	ft/min <i>m/min</i>	123 37.5	137.8 42	52.5 16	62.3 19	32.8 10	36.1 11	16.4 5	18 5.5
Lowering speed at full load	ft/min <i>m/min</i>	124.7 38	124.7 <i>38</i>	55.8 17	55.8 17	32.8 10	36.1 11	16.4 5	18 5.5
Air consumption at full load – lifting	cfm m³/min	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42. 1.2
Air consumption at full load – lowering	cfm m³/min	28.3 0.8	53 1.5	28.3 0.8	53 1.5	28.3	53 1.5	28.3 0.8	53 1.5
Air connection	5)	G	1/2	G	1/2	G	1/2	G	1/2
Hose dimension (ø inside)	inch mm		/2 3		/2 3		/ ₂ 3	1	/2 !3
Weight with standard lift, rope control	lbs <i>kg</i>	59.5 27	59.5 27	59.5 27	59.5 27	61.6 27.5	61.7 ¹ 28 ¹	75 ¹ 34 ¹	75 34
Chain dimension	mm	7 x	21	7 x	21	7 x	21	7 x	21
Weight of chain	lbs/ft <i>kg/m</i>		67 .0		67 .0	0.	67 .0		.0
Standard lift	ft m		0 3		.0 3		0 3		10 3
Length of control at standard lift	ft m	6.5 2			.5 2		.5 ?		.5 2
Noise level at full load ² – lifting	dB(A)	73	74	74	75	74	76	74	76
Noise level at full load2 - lowering	dB(A)	77	78	77	78	77	78	77	78

With 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)





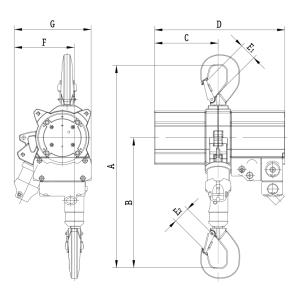


PROFI 025 TI - 2 TI

Dimensions

Туре		025 TI	05 TI	1 TI	2 TI
A min. headroom ¹	inch	17.7	17.7	17.7	19.6
	<i>mm</i>	<i>450</i>	450	450	<i>498</i>
В	inch	11.3	11.3	11.3	13.2
	mm	288	288	288	336
С	inch	5.7	5.7	5.7	5.7
D	<i>mm</i>	145	145	145	145
	inch	11.7	11.7	11.7	11.7
E ₁	<i>mm</i>	<i>297</i>	297	297	<i>297</i>
	inch	1.1	1.1	1.1	1.1
	<i>mm</i>	<i>28</i>	28	28	28
	inch	1.1	1.1	1.1	1.1
E2	mm	28	28	28	28
F up to hook centre	inch	5.4	5.4	5.4	5.4
	<i>mm</i>	137	137	137	137
G maximum width	inch	6.9	6.9	6.9	7.2
	<i>mm</i>	176	176	<i>176</i>	183

¹Chain containers increase the hoist headroom



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PROFI 1.5 TI and 3 TI/2

Technical Data

	rechni	cal Data	
Туре		1.5 TI	3 TI/2
Capacity	mt	1.6	3.2
Air pressure range	psi	60-87	60-87
	bar	<i>4-6</i>	4-6
Number of chain strands		1	2
Motor output	kW	1.3-2	1.3-2
Lifting speed at full load	ft/min	13.1-19.7	6.6-9.8
	m/min	4-6	<i>2-3</i>
Lifting speed without load	ft/min	27.6-32.8	13.8-16.4
	m/min	8.4-10	4.2-5
Lowering speed at full load	ft/min	36.1-39.4	18.0-19.7
	m/min	11-12	5.5-6
Air consumption at full load –	cfm	53-92	53-92
lifting	m³/min	1.5-2.6	1.5-2.6
Air consumption at full load –	cfm	78-127	78-127
lowering	m³/min	2.2-3.6	2.2-3.6
Air connection		G 3/4	G 3/4
Hose dimension (Ø inside)	inch	3/4	3/4
	mm	19	19
Weight with standard lift, rope control	lbs	123	146
	kg	56	<i>66</i>
Chain dimension	mm	9 x 27	9 x 27
Weight of chain	lbs/ft	1.2	1.2
	kg/m	1.8	1.8
Standard lift	ft	10	10
	m	3	3
Length of control at standard lift	ft	6,5	6,5
	m	2	2
Noise level at full load¹ – lifting	dB(A)	73-77	73-77
Noise level at full load1 – lowering	dB(A)	78-80	78-80

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



70



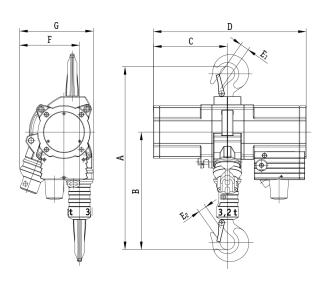


PROFI 1.5 TI and 3 TI/2

Dimensions

Туре		1.5 TI	3 TI/2
A min. headroom ¹	inch	18.9	21.4
	<i>mm</i> inch	480 11.5	544 14.0
В	mm	293	356
•	inch	7.9	7.9
C	mm	200	200
D	inch	16.2	16.2
D	mm	412	412
E ₁	inch	1.1	1.1
LI	mm	28	28
E ₂	inch	1.0	1.1
Lz	mm	26	28
F up to hook centre	inch	6.7	5.5
r up to nook centre	mm	170	140
G maximum width	inch	8.5	8.5
d maximum width	mm	215	215

¹Chain containers increase the hoist headroom







PROFI 3 TI - 20 TI

Technical Data

	recnnic	al D	ala								
Туре		3	ΤΙ	6	TI	10	TI	16	TI	20	II
Capacity	mt	3	.2	6	.3	1	0	1	6	2	20
Air pressure	psi bar	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6
Number of chain strands		9	1		2		2	1	3	- 3	4
Motor output	kW	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5
Lifting speed at full load	ft/min m/min	8.2 2.5	16.4 5	3.9 1.2	8.2 2.5	2.6 0.8	5.2 1.6	1.6 0.5	3.3	1.3 0.4	0.3
Lifting speed without load	ft/min m/min	19.7 6	32.8 10	9.8 3	16.4 5	6.6	10.5 3.2	4.3 1.3	6.6 2	3.3	4.0
Lowering speed at full load	ft/min <i>m/min</i>	24.6 7.5	35.4 10.8	11.8 3.6	17.7 5.4	8.2 2.5	11.2 3.4	5.3 1.6	6.9 2.1	3.9 1.2	5.3
Air consumption at full load – lifting	cfm m³/min	71 2	142 4	71 2	142 4	71 2	142	71 2	142 4	71 2	14
Air consumption at full load – lowering	cfm m³/min	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	19 5.
Air connection		G ³ /4		G	3/4	G	3/4	G	3/4	G 3/	
Hose dimension (Ø inside)	inch mm	3/4 19		3/4 19		3/4 19		3/4 19		3/4 19	
Weight with standard lift, rope control	lbs kg		9.6 86		2.5 10	343.9 156			9.1 40		27 85
Chain dimension	mm	13	x 36	13	x 36	16	x 45	16	x 45	16	x 45
Weight of chain	lbs/ft kg/m		.6 .8	273	.6 .8	3 5	.9 .8	35	.9 .8	273	.9 .8
Standard lift	ft m		.0 3		0		10 3	39	.0		0 3
Length of control at standard lift	ft m		.5 2		.5 2	6.5 2		6.5 2		6.5 2	
Noise level at full load1 – lifting	dB(A)	74	78	74	78	74	78	74	78	74	78
Noise level at full load ¹ – lowering	dB(A)	79	80	79	80	79	80	79	80	79	80

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





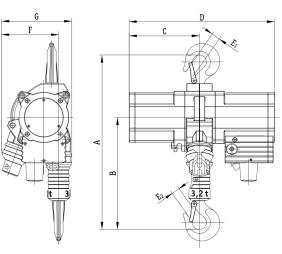


PROFI 3 TI - 20 TI

Dimensions

Туре		3 TI	6 TI	10 TI	16 TI	20 TI
A min. headroom ¹	inch	23.3	26.5	32	35.4	40.6
	<i>mm</i>	593	<i>674</i>	813	898	1030
В	inch	14.7	17.9	21.6	23.5	26.4
	<i>mm</i>	<i>373</i>	<i>454</i>	<i>548</i>	598	<i>670</i>
C	inch	9.2	9.2	12.1	15	15
	<i>mm</i>	<i>233</i>	<i>233</i>	<i>308</i>	<i>382</i>	<i>382</i>
D	inch	19	19	22.6	27.2	27.2
	<i>mm</i>	<i>483</i>	<i>483</i>	<i>575</i>	<i>692</i>	692
E ₁	inch	1.6	1.6	1.7	2.1	2.8
	<i>mm</i>	40	40	44	53	70
E2	inch	1.2	1.6	1.7	2.1	2.8
	<i>mm</i>	30	40	44	53	70
F up to hook centre	inch	7.4	6.1	7.8	7.8	7.1
	<i>mm</i>	187	<i>154</i>	197	199	180
G maximum width	inch	9.2	9.2	12	12.1	12.4
	<i>mm</i>	233	<i>233</i>	<i>306</i>	<i>308</i>	<i>315</i>

¹Chain containers increase the hoist headroom



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PROFI 25 TI - 100 TI

Tochnical Data

			echnic	al Data	a				
Туре		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 T
Capacity	mt	25	30	37.5	40	50	60	75	100
Air pressure	psi bar								
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
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 m³/min		230 6.5						
Air consumption at full load – lowering	cfm m³/min		102 2.9						
Air connection	- 05				G 1	1/2			
Hose dimension (Ø inside)	inch mm					1/2 15			
Weight with standard lift, rope control	lbs kg	1213 550	1213 550	1874 <i>850</i>	1874 <i>850</i>	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				.2				4.3 1.3
Standard lift	ft m								
Length of control at standard lift	ft m								
Noise level at full load¹ – lifting	dB(A)			7	8			7	77
Noise level at full load ¹ – lowering	dB(A)			8	32			8	33



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¹Measured at 1 m distance acc. to DIN 45635 part 20 Group mechanism at 6 bar: PROFI 25TI, 37TI, 50TI, 75TI, 100TI: M3 (1 Bm), PROFI 30TI, 40TI, 60TI: M2 (1 Cm) 4 bar versions on request



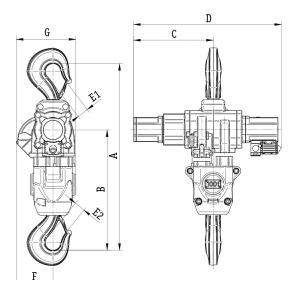


PROFI 25 TI - 100 TI

Dimensions

Туре		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
A IIIII. Headiooiii-	mm	1260	1260	1470	1470	1485	1485	1930	1930
В	inch	32.6	32.6	36.8	36.8	37.4	37.4	49.2	49.2
D	mm	827	827	935	935	950	950	1250	1250
С	inch	17.7	17.7	21.3	21.3	21.3	21.3	32.5	32.5
C	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
U	mm	900	900	1080	1080	1080	1080	1535	1535
E1	inch	2.8	2.8	3.9	3.9	3.9	3.9	4.7	4.7
C1	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
LZ	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
r up to nook centre	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
d IIIaxiiiiuiii Wlutii	mm	445	445	450	450	430	430	600	600

¹Chain containers increase the hoist headroom



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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



Material lifts

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

Model	Lift Height	Weight	Capacity
SLA10	3.49mtr	118kg	454kg
SLA15	4.98mtr	151kg	363kg
SLA20	6.46mtr	184kg	363kg
SLA25	7.94mtr	204kg	295kg





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









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









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 Wldth (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 Wldth (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

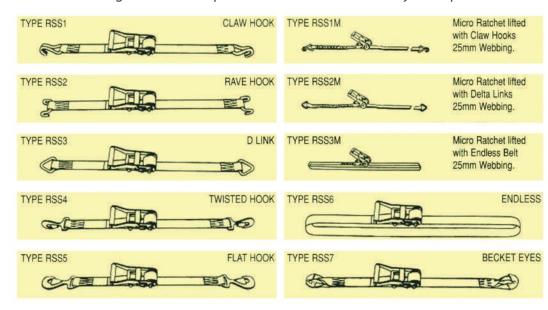
10mm - 13mm Drop forged See chart

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.



			Drop Forged	n .
Chain Size	Ultimate	Weight	Product	N I
inches	lbs	kgs/each	Code	1
5/16 - 3/8	19000	4.75	RLB516	_ /A
3/8 - 1/2	33000	5.85	RLB38	Carrie Gara
1/2 - 5/8	46000	6.54	RLB12	3 33)

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

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Rope & Sling Specialists

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







Safety Harness with 4 point Attachment









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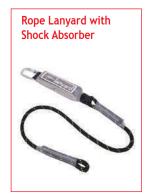


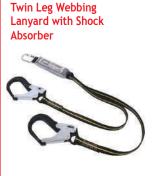




















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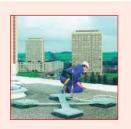




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Deadweight Anchor

- 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

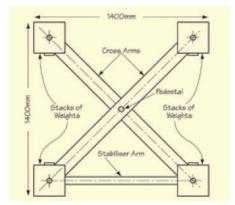
WeightAnkA is a mobile, deadweight anchor device for use on roofs of up to 5 degrees pitch, where the absence of guardrails or permanent anchor devices would otherwise preclude safe means of access. WeightAnkA is the first Class "E" anchor device to be approved for use on all roof surfaces when wet and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





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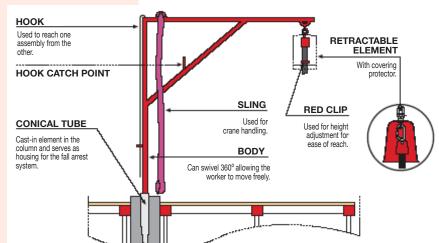
Alsipercha

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)

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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
- \cdot Can be used on site or in a loading yard



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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







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





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









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	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



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Section 8 | Hydraulic Products







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:

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)

• PS620 : 20 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



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 09001:2015

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

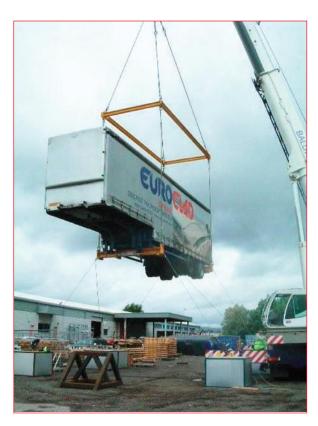
Inspection / testing (in house or on site)

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

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

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

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





rss Specialist Services



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

On site Inspection and testing

top right:

Millennium Stadium test

bottom right: *Gas Pipeline*

below: Test lugs at Llanwern







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rss Training





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

- LEEA Lifting Equipment Appreciation
- LEEA LOLER and PUWER
- · LEEA Lifting and Slinging
- LEEA Appointed PICOLO





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.

Low Maintenance due to high grade

- Users can work either side of the cable.
- components.

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

Dual Protection

The lifeline system has a dual purpose in fall protection.

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

Installation & Certification

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



rss Workshop Facilities





Manufacture and repair
Full in-house facilities for manufacture, repair and testing

Our workshop facilities are extensive and offer:

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

Testing

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









rss Design & Engineering



Design and Engineering Full in-house facilities.













Our experience is extensive and we offer:

- Design Services
- Bespoke Lifting Engineering/Manufacture

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- · Lifting Products
 - Swing Jibs
 - Gantry
 - Lifting Frames
- Workshop Fabrication
- Site Services
- Machinery Installations
- General Engineering





rss Design & Engineering























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ENGINEERING SERVICES • MANUFACTURE • FALL PROTECTION • CRANE ROPES