KRYFS
POWER COMPONENTS LIMITED

Slingset®

Manufactured in Technical collaboration with

SLINGMAX® RIGGING SOLUTIONS USA

World s only Twin Path Slings

Global Exports to 35+ Countries



www.kashvicommunications.com

Lift with ease, Lift with SLINGSET.









Marketed by:

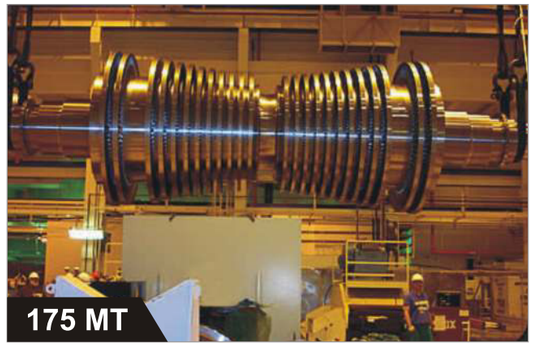
KRYFS
POWER COMPONENTS LIMITED

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Applications at a glance

















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Slingset®

Polyester Webbing Slings

- Four varieties available - Simplex / Duplex / Triplex / Quardruplex
- Polyester Double Layered Duplex Webbing Sling
- Wide and Flat load bearing surface
- Sling has reinforced eyes at both end
- Colour coded for easy identification
- Capacity from 1 MT to 30 MT
- Produced as per EN 1492 - 1 in safety factor 5:1 and 7:1



VERTICAL MODE - KGs	CHOKER MODE - KGs	BASKET MODE - KGs	0-90 DEG. KGs	91-120 DEG. - KGs	SAFETY RATIO	WEBBING SLING Width (MM)			
						SDW	SSW	STW	SQW
1000	800	2000	1400	1000	5.1	25	50	-	-
					7.1	25	50	-	-
1500	1200	3000	2100	1500	5.1	-	-	25	-
					7.1	-	-	25	-
2000	1600	4000	2800	2000	5.1	50	100	-	25
					7.1	50	100	-	25
3000	2400	6000	4200	3000	5.1	75	150	50	-
					7.1	75	150	50	-
4000	3200	8000	5600	4000	5.1	100	200	-	50
					7.1	100	200	-	50
4500	3600	9000	6300	4500	5.1	-	-	75	-
					7.1	-	-	75	-
5000	4000	10000	7000	5000	5.1	125	250	-	-
					7.1	125	250	-	-
6000	4800	12000	8400	6000	5.1	150	300	100	75
					7.1	150	300	100	75
7500	6000	15000	10500	7500	5.1	-	-	125	-
					7.1	-	-	125	-
8000	6400	16000	11200	8000	5.1	200	-	-	100
					7.1	200	-	-	100
9000	7200	18000	12600	9000	5.1	-	-	150	-
					7.1	-	-	150	-
10000	8000	20000	14000	10000	5.1	250	-	-	125
					7.1	250	-	-	125
12000	9600	24000	16800	12000	5.1	300	-	200	-
					7.1	300	-	200	-
15000	12000	30000	21000	15000	5.1	-	-	250	150
					7.1	-	-	250	150
16000	12800	32000	22400	16000	5.1	-	-	-	200
					7.1	-	-	-	200
18000	14400	36000	25200	18000	5.1	-	-	300	-
					7.1	-	-	300	-
20000	16000	40000	28000	20000	5.1	-	-	-	250
					7.1	-	-	-	250
24000	19200	48000	33600	24000	5.1	-	-	-	300
					7.1	-	-	-	300

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Slingset®

Polyester Round Slings

- Produced as per BS EN 1492-2, two varients - 5:1 and 7:1 Safety Factor
- Endless Round sling made from High Tenacity Polyester Yarn
- Overload Indicator safety feature can be provided as a special option
- Suitable for low cost applications
- Available in capacities from 1 MT to 50 MT



VERTICAL MODE KGs	CHOKER MODE KGs	BASKET MODE KGs	0-90 DEG. KGs	91-120 DEG. KGs	SEFTY RATIO	ROUND SLING (Approx Dia.)				
						Single Path Regular	Single Path Super	Single Path With Covermax	Single Path Endless Eye & Eye round sling	Single Path Super Endless Eye & Eye round sling
						SR	SS	SSC	SRE	SSE
1000	800	2000	1400	1000	5.1	12	14	14	18	21
					7.1	14	16	16	21	23
2000	1600	4000	2800	2000	5.1	16	18	18	23	25
					7.1	19	21	21	25	27
3000	2400	6000	4200	3000	5.1	21	23	23	27	29
					7.1	24	26	26	30	32
4000	3200	8000	5600	4000	5.1	24	26	26	34	36
					7.1	26	28	28	35	38
5000	4000	10000	7000	5000	5.1	27	29	29	36	38
					7.1	29	31	31	38	40
6000	4800	12000	8400	6000	5.1	29	31	31	38	40
					7.1	32	34	34	40	42
8000	6400	16000	11200	8000	5.1	32	34	34	46	48
					7.1	39	41	41	48	50
10000	8000	20000	14000	10000	5.1	36	38	38	48	50
					7.1	42	44	44	50	52
12000	9600	24000	16800	12000	5.1	40	42	42	50	52
					7.1	44	46	46	54	56
15000	12000	30000	21000	15000	5.1	42	44	44	55	57
					7.1	49	51	51	59	61
20000	16000	40000	28000	20000	5.1	48	50	50	58	60
					7.1	52	54	54	62	64
25000	20000	50000	35000	25000	5.1	50	52	52	66	68
					7.1	62	64	64	70	72
30000	24000	60000	42000	30000	5.1	53	55	55	74	76
					7.1	68	70	70	76	78
35000	28000	70000	49000	35000	5.1	62	64	64	78	80
					7.1	72	74	74	80	82
40000	32000	80000	56000	40000	5.1	66	67	67	80	82
					7.1	76	78	78	88	90
45000	36000	90000	63000	45000	5.1	67	69	69	90	92
					7.1	79	81	81	94	96
50000	40000	100000	70000	50000	5.1	70	72	72	96	98
					7.1	82	84	84	100	102

Higher capacities / non-standard lengths also available upon request.

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Slingset®

Polyester Twin Path Slings

- Capacity of 1 MT to 50 MT Safe Working Load (SWL)
- Overload indicator (Tell-Tails) indicate ifs sling is overloaded as special safety feature
- Fibre Optic inspection available.
- Heavy Duty abrasion resistant covermax cover available (optional)
- Higher capacity available on request
- Manufactered as per ASME B30.9, chapter 6



Twin Path Slings have safety feature known as fiber optic inspection system. The condition of the internal core yarn can be inspected by just checking the continuity of the fibre optic cable externaly.





VERTICAL MODE KGs	CHOKER MODE KGs	BASKET MODE KGs	0-90 DEG. KGs	91-120 DEG. KGs	SAFETY RATIO	TWIN PATH (App Widht)						
						Slingset Twinpath sling with Double Cover STP	Slingset Twinpath sling with Covermax Cover STPC	Slingset Twinpath Eye & Eye Sling STP	Slingset Twinpath Eye & Eye with Covermax cover STPEC	Econo Twinpath Sling ESTP	Econo Slingset with covermax cover ESTP	Econo Twinpath Eye & Eye sling ESTP
						STP	STPC	STPE	STPCE	ESTP	ESTPC	ESTPE
1000	800	2000	1400	1000	5.1	50	50	75	75	50	50	75
					7.1	60	75	100	100	60	75	100
2000	1600	4000	2800	2000	5.1	60	75	100	100	60	75	100
					7.1	60	75	100	100	60	75	100
3000	2400	6000	4200	3000	5.1	60	75	100	100	60	75	100
					7.1	60	75	100	100	60	75	100
4000	3200	8000	5600	4000	5.1	60	75	100	100	60	75	100
					7.1	75	75	100	100	75	75	100
5000	4000	10000	7000	5000	5.1	75	75	100	100	75	75	100
					7.1	90	100	120	120	90	100	120
6000	4800	12000	8400	6000	5.1	90	100	120	120	90	100	120
					7.1	100	100	120	120	100	100	120
8000	6400	16000	11200	8000	5.1	100	100	120	120	100	100	120
					7.1	120	120	120	120	120	120	120
10000	8000	20000	14000	10000	5.1	120	120	150	150	120	120	150
					7.1	120	120	150	150	120	120	150
12000	9600	24000	16800	12000	5.1	120	120	150	150	120	120	150
					7.1	120	120	150	150	120	120	150
15000	12000	30000	21000	15000	5.1	120	120	150	150	120	120	150
					7.1	150	120	200	200	150	120	200
20000	16000	40000	28000	20000	5.1	150	150	250	250	150	150	250
					7.1	200	200	250	250	200	200	250
25000	20000	50000	35000	25000	5.1	200	200	250	250	200	200	250
					7.1	200	200	250	250	200	200	250
30000	24000	60000	42000	30000	5.1	200	200	250	250	200	200	250
					7.1	200	200	250	250	200	200	250
35000	28000	70000	49000	35000	5.1	200	200	250	250	200	200	250
					7.1	200	200	250	250	200	200	250
40000	32000	80000	56000	40000	5.1	200	200	300	300	200	200	300
					7.1	250	250	300	300	250	250	300
45000	36000	90000	63000	45000	5.1	200	250	300	300	200	250	300
					7.1	250	250	300	300	250	250	300
50000	40000	100000	70000	50000	5.1	250	250	300	300	250	250	300
					7.1	250	250	300	300	250	250	300

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K-SPEC Twin Path Slings



This is a patented Slingmax material. The K-Spec Yarn is a combination of two high performance fibers for better yarn on yarn abrasion resistance.

Twin Path K-spec sling is a patented design of SLINGMAX USA and we are the only Indian company to have a technical collaboration and manufacturing lisense from SLINGMAX USA for Twin Path Sling

- Patented K-Spec Fibre used instead of Polyester Core Yarn
- K-Spec Twin Path Sling are made out of Tube in Tube Covermax Cover which is 5 times more abbression resistant than normal polyster cover
- K-Spec Fibre is only 20% the weight of polyester and only 5% the weight of Steel
- K-spec Fibre has stretch equivalent to steel and ideal for application were low elasticity is important
- K-spec Twin Path Sling are available with special safety feature like Check fast and fibre optic inspection system
- Manufactered as per ASME B30.9, chapter 6 • Has Repairing Facility

Twin Path Selection Material K-Spec

VERTICAL MODE - KGs	CHOKER MODE - KGs	BASKET MODE - KGs	0-90 DEG. KGs	91-120 DEG. - KGs	SEFTY RATIO	TWIN PATH (App Width)							
						STP+	STPC+	STPE+	STPEC+	ESTP+	ESTP+	ESTPEC+	ESTPE+
3000	2400	6000	4200	3000	5:1	60	75	100	100	60	75	100	100
4000	3200	8000	5600	4000	5:1	60	75	100	100	60	75	100	100
5000	4000	10000	7000	5000	5:1	60	75	100	100	60	75	100	100
6000	4800	12000	8400	6000	5:1	60	75	100	100	60	75	100	100
8000	6400	16000	11200	8000	5:1	60	75	100	100	75	75	100	100
10000	8000	20000	14000	10000	5:1	75	75	100	100	75	75	100	100
12000	9600	24000	16800	12000	5:1	75	100	120	125	90	100	125	120
15000	12000	30000	21000	15000	5:1	90	100	120	125	100	100	125	120
20000	16000	40000	28000	20000	5:1	100	100	120	125	100	100	125	120
25000	20000	50000	35000	25000	5:1	100	125	150	150	120	125	150	150
30000	24000	60000	42000	30000	5:1	120	125	150	150	120	125	150	150
35000	28000	70000	49000	35000	5:1	120	125	200	200	120	125	200	200
40000	32000	80000	56000	40000	5:1	120	150	200	200	150	150	200	200
45000	36000	90000	63000	45000	5:1	150	150	200	200	150	150	200	200
50000	40000	100000	70000	50000	5:1	150	200	250	250	200	200	250	250
60000	48000	120000	84000	60000	5:1	200	200	250	250	200	200	250	250
70000	56000	140000	98000	70000	5:1	200	200	250	250	200	200	250	250
80000	64000	160000	112000	80000	5:1	200	200	300	300	200	200	300	300
90000	72000	180000	126000	90000	5:1	250	250	300	300	250	250	300	300
100000	80000	200000	140000	100000	5:1	250	250	300	300	250	250	300	300
120000	96000	240000	168000	120000	5:1	250	250	300	300	250	250	300	300
130000	104000	260000	182000	130000	5:1	300	300	300	300	300	300	300	300
140000	112000	280000	196000	140000	5:1	300	300	300	300	300	300	300	300
1500000	120000	300000	210000	1500000	5:1	300	300	300	300	300	300	300	300

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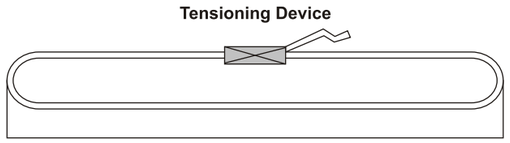
Slingset®

Ratchet Lashing Straps Safe

Made as per EN 12195-2



Endless Type

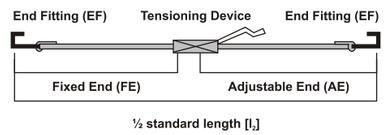


SlingSet Ratchet Lashing

Product code	Width	WLL Ton
RLTP25	25	2000
RLTP35	35	3000
RLTP50	50	5000
RLTP75	75	10000



Two Part Type



Slingset Multi - legged

Also available in

Combination of 2 leg, 3 leg or leg slings (Code SM)

- Slingset Multi-leg slings can lift large obects with mulitiple lifting points
- These slings combined with Twin Path bridle, G-links and other custom made hardware, are available only from Slingset
- Variety of end fitting and hooks available to suit every lifting application



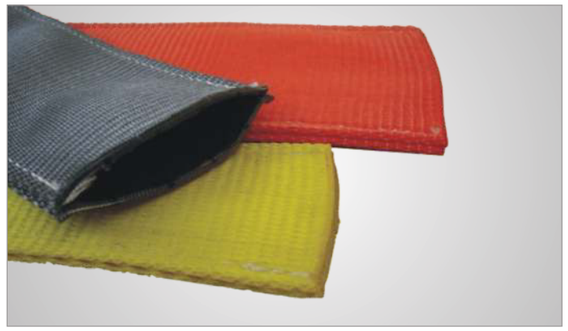
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Slingset®

Slingset Range Of Sling Protection

Anti Abrasive Sleeves - AAS

- Heavy Duty Anti Abrasive Sleeves protect slingset slings from rough abrasive surface and prolonged sling life.
- Available in either clip-on from (with Velcro attachment) or Sewn into the length of the sling as required.





Anti Cutting Sleeve - ACS

- Light Duty Anti Cutting Sleeves with Heavy Duty Kevlar (Found in Bullet Proof Vests) is sewn inside heavy duty covermax to protect sling from sharp edges during rigging. A must for rigging loads with sharp razor like edges

Cornermax Sleeve Heavy Duty - CRNMX

- This cornermax cut protection device prevents an edge on the load from touching the slings. In fact the edge even does not touch the cornermax protector!
- This protector will handle the most extreme circumstances lifting steel and concrete

A comparison of Twin Path Vs the rest			
Features	Slingset Twin Path	Slingset Single Path	Stee Wire ropes / Chains
100% back-up protection	✓	✖	✖
Overload Indicators	✓	Optional	✖
Fibre Optic inspection	✓	Optional	✖
Repairability	✓	✖	✖
Weight (Ratio)	1 (K-Spec Yarn)	5 (Polyester Yarn)	20 (80 Grade Steel)
Aging	✖	✖	✓
Rusting	✖	✖	✓
Damage to load	✖	✖	✓
Good Insulator	✓	✓	✖
Absorbs shocks	✓	✓	✖
High productivity	✓	✓	✖
Lower capital M/c downtime	✓	✓	✖
Easy visual Inspection	✓	✓	✖
High Flexibility	✓	✓	✖
Low storage cost	✓	✓	✖
Low enjury to workers	✓	✓	✖
Kinking / Twisting	✖	✖	✓
Grease / Hand gloves	✖	✖	✓
Long life / Durability	✓	✓	✖



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SpanSet®

SpanSet Duplex Web Sling (B) to BS EN 1492-1, 7:1 Safety Factor

Span Setduplex web sling (B) to BS EN 1492-1, 7:1 Safety Factor		
Colour	Marked WLL (kg)	Spanset Make Width of Sling
Purple	1000	30
Green	2000	60
Yellow	3000	90
Gray	4000	120
Red	5000	150
Maroon	6000	180
Blue	8000	240
White	10,000	300



ROUNDSLINGS



SpanSet Econolift Roundslings (E) to BS EN 1492-2, 7:1 Safety Factor				
Colour	Marked WLL	Minimum Length (m)	Maximum length (m)	Weight p/m (kg)
Purple	1000	0.5	15	0.35
Green	2000	0.5	15	0.5
Yellow	3000	0.5	15	0.6
Gray	4000	0.5	15	0.9
Red	5000	0.5	60	1
Maroon	6000	1	60	1.3
Blue	8000	1	60	1.7

Protective Sleeving

Power Flex SLEEVE (PF-1)

FOR EXTRA ABRASION PROTECTION
Thanks to the PowerFlex caoting



For round slings WLL 0.5t — 40t
For web slings WLL 1t — 20t

SECUTEX SINGLE SIDED PROTECTIVE SLEEVE (SF- 1)

Single sided Secutex* sleeve for anti-cut performance with flexibillity



For round slings WLL 0.5t — 150t
For web slings WLL 1t — 20t

SECUTEX SINGLE SIDED PROTECTIVE SLEEVE (SF- 2)

Double sided Secutex* sleeve for anti-cut protection on both sides.



For round slings WLL 0.5t — 150t
For web slings WLL 1t — 20t

SECUTEX PROTECTIVE CLIP ON SLEEVE (SC)

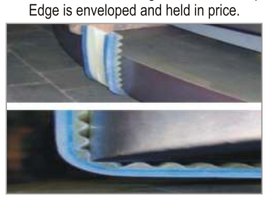
Removeble Single sided Secutex* sleeve



For round slings WLL 0.5t — 150t
For web slings WLL 1t — 20t

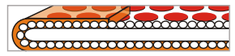
SECUWEV Protective Sleeve (SW) For "RAZAR SHARP EDGES"

For radii less than 2mm.
Thanks to the wave design the Razar Sharp Edge is enveloped and held in price.



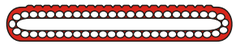
Power Star (CS) Double duplex WLL 1t – 10t
WLL 2t – 20t

SERFACE REINFORCEMENT (ST)



All Sectex Sleeves can have the extra steel protection.

GROUND FINISH (G)



The maintain grip for wet and oily condition

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SpanSet

SPANSET Ratchet Lashing Range

SpanSet Light Duty Lashing's								
								
Product ID	01802-1	01802-2	01861-1	01861-2	01805-1	01805-2	01806-1	01806-2
Description	Endless	Two Part	Endless	Two Part	Endless	Two Part	Endless	Two Part
Standard Fixed Length (mm)		300		300		500		500
Width (mm)	25	25	25	25	50	50	50	50
Standard Colour	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
Webbing strength (kg)	1300	1300	1300	1300	1700	1700	3000	3000
EWL (metre)	6m	6m	6m	6m	6m	6m	6m	6m

SpanSet Medium and Heavy Duty lashing's						
						
Product ID	01138-1	01138-2	01148-1	01148-2	01150-1	01150-2
LC (daN)	750	375	2000	1000	2000	1000
Description	Endless	Two Part	Endless	Two Part	Endless	Two Part
Standard Fixed Length (mm)		500		500		500
Width (mm)	50	50	50	50	45	45
Standard Colour	Orange	Orange	Grey	Grey	Grey	Grey
Webbing strength (kg)	1700	1700	3000	3000	3000	3000
EWL (metre)	6m	6m	6m	6m	6m	6m

SpanSet Medium and Heavy Duty lashing's										
										
Product ID	01857-1	01857-2	20020-1	20020-2	20060-1	20060-2	20050-1	20050-2	20040-1	20040-2
LC (daN)	5000	2500	5000	2500	5000	2500	5000	2500	10000	5000
STF (daN)		450		450		500		500		
Description	Endless	Two Part	Endless	Two Part	Endless	Two Part	Endless	Two Part	Endless	Two Part
Standard Fixed Length (mm)		500		500		300		500		700
Width (mm)	50	50	50	50	50	50	50	50	75	75
Standard Colour	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
Webbing strength (kg)	7500	7500	7500	7500	7500	7500	7500	7500	13500	13500
EWL (metre)	6m	6m	6m	6m	6m	6m	6m	6m	6m	6m



Magnum & Magnum Plus Round Slings (MG)



Magnum X Round Slings (MGX)



Supra Plus Round Slings (S)

KRYFS
POWER COMPONENTS LIMITED

Crosby®
World's No. 1 Rigging hardware

Crosby®



Wire Rope and Fittings



Shackles



Sling Saver Fittings



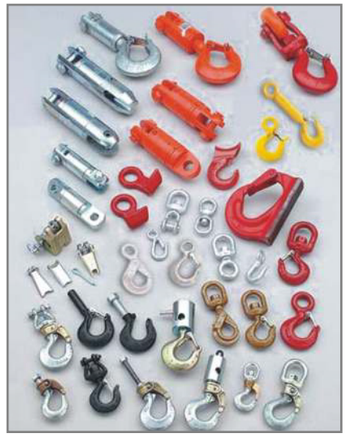
Rigging Accessories



Chain Accessories



McKissick Blocks



Hooks and Swivels



Crosby Lifting Clamps

KRYFS
POWER COMPONENTS LIMITED

Crosby®
World s No. 1 Rigging hardware

Crosby® Screw Pin Shackles

Load Rated | Fatigue Rated | "QT" | QUIC-CHECK® | MAXTOUGH | "TA" TYPE APPROVED | CE

- Capacities 1/3 Ton to 55 metric tons, grade 6.
- Forged - Quenched and Tempered, with alloy pins. Hot Dip galvanized or Self Colored
- Fatigue rated. Approved for use at -40˚C to 204˚C
- Shackles are Quenched and Tempered and can meet DNV impact requirements
- Sizes 1/2t-25t meet the performance requirements of EN13889:2003
- Meets or exceeds all requirements of ASME B30.26
- Type Approval and certification in accordance with ABS 2006 Steel Vessel Rules 1-1-17.7 and ABS Guide for Certification of Cranes

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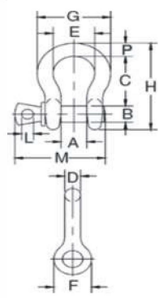
G-209 / S-209 Screw Pin Anchor Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No.		Weight Each (kg)	Dimensions(mm)											Tolerance + / -	
		G-209	S-209		A	B	C	D	E	F	G	H	L	M	P	C	A
3/16	1/3	1018357		.03	9.65	6.35	22.4	4.85	15.2	14.2	24.9	37.3	4.06	28.4	4.85	1.50	1.50
1/4	1/2	1018375	1018384	.05	11.9	7.85	28.7	6.35	19.8	15.5	32.5	46.7	4.85	35.1	6.35	1.50	1.50
5/16	3/4	1018393	1018400	.09	13.5	9.65	31.0	7.85	21.3	19.1	37.3	53.0	5.60	42.2	7.85	3.30	1.50
3/8	1	1018419	1018428	.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.0	6.35	51.5	9.65	3.30	1.50
7/16	1-1/2	1018437	1018446	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.5	74.0	7.85	60.5	11.2	3.30	1.50
1/2	2	1018455	1018464	.33	20.6	16.0	47.8	12.7	33.3	30.2	58.5	83.5	9.65	68.5	12.7	3.30	1.50
5/8	3-1/4	1018473	1018482	.62	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5	6.35	1.50
3/4	4-3/4	1018491	1018507	1.07	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6	6.35	1.50
7/8	6-1/2	1018516	1018525	1.64	36.6	25.4	84.0	22.4	58.0	53.0	102	148	12.7	114	24.6	6.35	1.50
1	8-1/2	1018534	1018543	2.28	42.9	28.7	95.5	25.4	68.5	60.5	119	167	14.2	129	26.9	6.35	1.50
1-1/8	9-1/2	1018552	1018561	3.36	46.0	31.8	108	29.5	74.0	68.5	131	190	16.0	142	31.8	6.35	1.50
1-1/4	12	1018570	1018589	4.31	51.5	35.1	119	32.8	82.5	76.0	146	210	17.5	156	35.1	6.35	1.50
1-3/8	13-1/2	1018598	1018605	6.14	57.0	38.1	133	36.1	92.0	84.0	162	233	19.1	174	38.1	6.35	3.30
1-1/2	17	1018614	1018623	7.80	60.5	41.4	146	39.1	98.5	92.0	175	254	20.6	187	41.1	6.35	3.30
1-3/4	25	1018632	1018641	12.6	73.0	51.0	178	46.7	127	106	225	313	25.4	231	57.0	6.35	3.30
2	35	1018650	1018669	20.4	82.5	57.0	197	53.0	146	122	253	348	31.0	263	61.0	6.35	3.30
2-1/2	55	1018678	1018687	38.9	105	70.0	267	69.0	184	145	327	453	35.1	330	79.5	6.35	6.35

SCREW PIN ANCHOR SHACKLE



G-209 / S-209



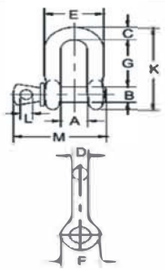
G-210 / S-210 Screw Pin Anchor Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No.		Weight Each (kg)	Dimensions(mm)										Tolerance + / -	
		G-210	S-210		A	B	C	D	E	F	G	K	L	M	G	A
1/4	1/2	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	3/4	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	1-1/2	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	3-1/4	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	4-3/4	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	6-1/2	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	8-1/2	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	9-1/2	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	13-1/2	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

SCREW PIN CHAIN



G-210 / S-210



KRYFS
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Crosby®
World s No. 1 Rigging hardware

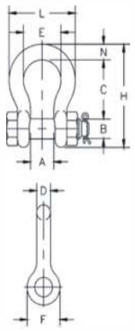
Crosby® Bolt Type Shackles

- Capacities 1/3 thru 150 metric tons, grade 6
- Forged Quenched and Tempered, with alloy pins. Hot Dip galvanized or Self Colored are all hot dip galvanized Meets or exceeds all requirements of ASME B30.26
- Crosby 2t through 25t G2130 anchor shackles are type approved to DNV Certiication Notes 2.7-1- Offshore Containers
- All other 2130 and all 2150 shackles can meet charpy requirements of 42 joules (31 ft-lbs) avg at-20˚C (-4˚F) upon special request

BOLT TYPE ANCHOR SHACKLES



G-2130



G-2130 Bolt T ype Anchor Shackle

Nominal Size (in.)	Working Load Limit (t)*	Stock No.		Weight Each (lbs)	Dimensions(mm)									Tolerance + / -	
		G-2130	S-2130		A	B	C	D	E	F	H	L	N	C	A
3/16	1/3	1019464		.06	9.65	6.35	22.4	4.85	15.2	14.2	37.3	24.9	4.85	1.50	1.50
1/4	1/2	1019466		.11	11.9	7.85	28.7	6.35	19.8	15.5	46.7	32.5	6.35	1.50	1.50
5/16	3/4	1019468		.22	13.5	9.65	31.0	7.85	21.3	19.1	53.0	37.3	7.85	1.50	1.50
3/8	1	1019470		.33	16.8	11.2	36.6	9.65	26.2	23.1	63.0	45.2	9.65	3.30	1.50
7/16	1-1/2	1019471		.49	19.1	12.7	42.9	11.2	29.5	26.9	74.0	51.5	11.2	3.30	1.50
1/2	2	1019472	1019481	.79	20.6	16.0	47.8	12.7	33.3	30.2	83.5	58.5	12.7	3.30	1.50
5/8	3-1/4	1019490	1019506	1.68	26.9	19.1	60.5	16.0	42.9	38.1	106	74.5	17.5	3.30	1.50
3/4	4-3/4	1019515	1019524	2.72	31.8	22.4	71.5	19.8	51.0	46.0	126	89.0	20.6	6.35	1.50
7/8	6-1/2	1019533	1019542	3.95	36.6	25.4	84.0	22.4	58.0	53.0	148	102	24.6	6.35	1.50
1	8-1/2	1019551	1019560	5.66	42.9	28.7	95.5	25.4	68.5	60.5	167	119	26.9	6.35	1.50
1-1/8	9-1/2	1019579	1019588	8.27	46.0	31.8	108	28.7	74.0	68.5	190	131	31.8	6.35	1.50
1-1/4	12	1019597	1019604	11.71	51.5	35.1	119	31.8	82.5	76.0	210	146	35.1	6.35	1.50
1-3/8	13-1/2	1019613	1019622	15.83	57.0	38.1	133	35.1	92.0	84.0	233	162	38.1	6.35	3.30
1-1/2	17	1019631	1019640	19.00	60.5	41.4	146	38.1	98.5	92.0	254	175	41.1	6.35	3.30
1-3/4	25	1019659	1019668	33.91	73.0	51.0	178	44.5	127	106	313	225	57.0	6.35	3.30
2	35	1019677	1019686	52.25	82.5	57	197	51.0	146	122	348	253	61.0	6.35	3.30
2-1/2	55	1019695	1019702	98.25	105	70	267	66.5	184	145	453	327	79.5	6.35	6.35
3	85	1019711		154.00	127	82.5	330	76.0	200	165	546	365	92.0	6.35	6.35
3-1/2	120	1019739		265.00	133	95.5	372	92.0	229	203	626	419	105	6.35	6.35
4	150	1019757		338.00	140	108	368	104	254	229	653	468	116	6.35	6.35

Crosby G417 Closed Spelter Sockets

RopeDia.		Structural Strand Dia. (mm)	Ultimate Load (t)	Stock No.		Weight Each (kg)	Dimensions(mm)									
(mm)	(in.)			G-417 Galv.	S-417 S.C.		A	B	C	D*	F	G	H	J	K	L
6-7	1/4	-	4.50	1039897	1039904	.23	116	12.7	39.6	22.4	9.65	17.5	39.6	57.2	12.7	46.0
8-10	5/16-3/8	-	12.0	1039913	1039922	.34	125	15.8	42.9	24.6	12.7	20.6	42.9	57.2	17.5	52.3
11-13	7/16-1/2	-	20.0	1039931	1039940	.68	140	17.5	51.0	29.5	14.2	23.9	51.0	63.5	22.4	58.7
14-16	9/16-5/8	12-13	30.8	1039959	1039968	1.13	162	20.6	67.0	35.8	17.5	30.2	67.0	76.2	25.4	65.0
18	3/4	14-16	43.5	1039977	1039986	1.92	194	26.9	76.2	42.2	22.4	33.3	70.0	89.0	31.8	77.7
20-22	7/8	18-19	65.3	1039995	1040000	3.28	226	33.3	92.0	49.3	25.4	38.1	82.5	102	38.1	90.5
24-26	1	20-22	81.6	1040019	1040028	4.76	254	36.6	105	58.5	28.7	44.5	95.5	114	44.5	103
28-30	1-1/8	24-26	100	1040037	1040046	6.46	283	39.6	114	65.0	31.8	51.0	105	127	51.0	116
32-35	1-1/4-1-3/8	28	136	1040055	1040064	8.95	309	41.4	127	71.0	38.1	58.5	119	138	56.5	129
38	1-1/2	30-32	170	1040073	1040082	13.24	355	49.3	137	81.0	41.4	70.5	132	151	62.5	155
40-42	1-5/8	30-35	188	1040091	1040108	16.32	390	54.0	146	82.5	44.5	76.2	140	165	70.0	171
44-48	1-3/4-1-7/8	36-40	268	1040117	1040126	25.96	445	55.5	171	95.5	51.0	79.5	162	191	76.2	198
50-54	2 -2-1/8	42-45	309	1040135	1040144	35.83	505	62.0	194	111	57.2	95.5	187	216	82.5	224
56-60	2-1/4 -2-3/8	46-48	360	1040153	1040162	47.62	546	70.0	216	127	66.8	105	210	229	92.0	248
64-67	2-1/2 -2-5/8	50-54	424	1041759	1041768	63.50	597	79.5	241	140	74.5	114	235	248	102	270
70-73	2-3/4 -2-7/8	56-62	549	1041777	1041786	99.79	645	79.5	273	159	79.5	124	259	279	124	286
75-80	3 -3-1/8	64-67	656	1041795	1041802	125	689	85.6	292	171	86.0	133	292	305	133	298
82-86	3-1/4 -3-3/8	70-73	750	1041811	1041820	142	743	102	311	184	92.0	146	311	330	146	311
88-92	3-1/2 -3-5/8	76-80	820	1041839	1041848	181	787	102	330	197	98.5	160	330	356	159	330
94 -102	3 -3/4-4	-	1005	1041857	1041866	246	845	108	362	216	108	184	362	381	178	356



S-421T

KRYFS
POWER COMPONENTS LIMITED

Crosby®
World s No. 1 Rigging hardware

Crosby® Eye Hooks

Load Rated | Fatigue Rated | "QT" | QUIC-CHECK® | "TA"





S-320 & S-320N EYE HOOKS

- The most complete line of Eye hoist hooks
- Available in carbon steel and alloy steel
- Designed with a 5:1 Design Factor for (Carbon Steel); 4.5:1 Design Factor for 30t - 60t (Alloy Steel)
- Eye hooks are load rated. Proper design, careful forging and precision controlled quenched and tempering give maximum strength without excessive weight and bulk
- Every Crosby Eye Hook has a pre-drilled cam which can be equipped with a latch.
- Type Approval and certification in accordance with ABS 2011 Steel Vessel Rules 1-1-17.7 and ABS 2007 Guide for certification of Cranes

- Metric Rated at 5:1 Design Factor for (Carbon Steel); 5:1 Design Factor for 1t - 22t (Alloy Steel)
- Can be proof tested to 2 times the working Load Limit.
- Low proile hook tip
- New integrated latch (S-4320) meets the World class standard for lifting

Working Load Limit		Hook ID Code	Eye Hook Stock No.					Weight Each (kg.)	Replacement Latch Kits		
									Stock No.		
Carbon	Alloy		Carbon S-320C S-320CN S.C.	Carbon L-320C L-320CN S.C.	Carbon G-320CN Galv.	Alloy S-320A S-320AN S.C.	Alloy L-320A L-320AN S.C.		S-4320	PL	SS-4055
.75	1.25	D	1022200	1022205	1022208	1022375	1022380	.28	1096325	-	-
1	1.6	F	1022211	1022216	1022219	1022386	1022391	.40	1096374	-	-
1.6	2.5	G	1022222	1022227	1022230	1022397	1022402	.65	1096421	-	-
2	3	H	1022233	1022238	1022241	1022406	1022413	.94	1096468	-	-
3.2	5.4	I	1022244	1022246	1022249	1022419	1022424	1.95	1096515	1092000	-
5	8	J	1022255	1022260	1022262	1022430	1022435	3.76	1096562	1092001	
7.5	11.5	K	1022264	1022271	1022274	1022441	1022446	6.80	1096609	1092002	-
10	16	L	1022277	1022282	1022285	1022452	1022457	9.42	1096657	1092003	-
15	22	N	1022288	1022293	1022296	1022465	1022468	17.9	1096704	1092004	-
20	31.5	O	1023289	1022302	-	1023546	1022477	27.2	-	1093716	1090161
25	37	P	1023305	-	-	1023564	-	47.6	-	1093717	1090189
30	45	S	1023323	-	-	1023582	-	67	-	1093718	1090189
40	60	T	1023341	-	-	1023608	-	103	-	1093719	1090205

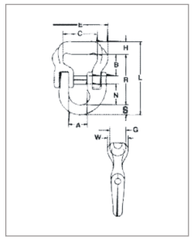
KRYFS
POWER COMPONENTS LIMITED

Crosby®
World s No. 1 Rigging hardware

High Performance Sling Connector

Load Rated | Sling Saver | "QT" | CE

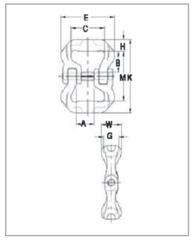

S-237



Crosby S-237 High Performance Sling Connector

Working Load Limit		S-237 Webto Lok-A-Loy Assy. StockNo.	Frame No.	Nominal Sling Body Width (mm)	Lok-A-Loy Size (mm)	Weight Each (kg)	Dimensions(mm)										
4:1 (kg)*	5:1 (kg)						A	B	C	E	G	H	L	N	R	S	W
2835	2268	1020695	5	51	10	.52	22.4	36.1	50.8	80.8	25.4	20.3	107	26.4	74.2	12.2	35.1
5670	4536	1020704	10	76	16	1.34	36.1	38.6	69.9	105	31.8	24.9	144	43.4	100	19.0	44.5
8505	6804	1020713	15	76	20	2.15	41.4	40.1	69.9	111	35.1	27.9	165	51.8	113	23.6	47.8
14175	11340	1020722	25	102	22	3.90	50.8	59.2	95.3	152	44.5	35.8	202	57.7	140	26.9	57.2
17010	13607	1020731	30	102	22	4.19	50.8	55.9	95.3	157	44.5	35.8	199	57.7	137	26.9	60.5
22680	18145	1020740	40	127	25	7.1	57.2	73.9	121	184	57.2	45.2	240	62.0	164	31.0	78.5
34020	27215	1020759	60	152	32	11.8	65.0	85.3	146	232	58.7	47.2	281	78.0	196	38.1	80.3


S-238



Crosby S-238 High Performance Sling Connector

Working Load Limit (Kg)	S-237 Webto Lok-A-Loy Assy. StockNo.	Frame No.	Nominal Sling Body Width (mm)	Lok-A-Loy Size (mm)	Weight Each (kg)	Dimensions(mm)								
						A	B	C	E	G	H	K	M	W
2268	1020415	5	50.8	10	.73	22.4	36.1	50.8	80.8	25.4	20.3	124	83.8	35.1
4536	1020423	10	76.2	16	1.50	36.1	38.6	69.9	105	31.8	24.9	145	95.5	44.5
6804	1020432	15	76.2	20	2.22	41.4	40.1	69.9	111	35.1	27.9	156	101	47.8
11340	1020441	25	102	22	4.58	50.8	59.2	95.3	152	44.5	35.8	213	142	57.2
13608	1020450	30	102	22	5.17	50.8	55.9	95.3	157	44.5	35.8	207	135	60.5
18144	1020469	40	127	25	9.39	57.2	73.9	121	184	57.2	45.2	266	176	78.5
27216	1020478	60	152	32	14.5	65.0	85.3	146	232	58.7	47.2	298	203	80.3

KRYFS POWER COMPONENTS LIMITED

Crosby® World s No. 1 Rigging hardware

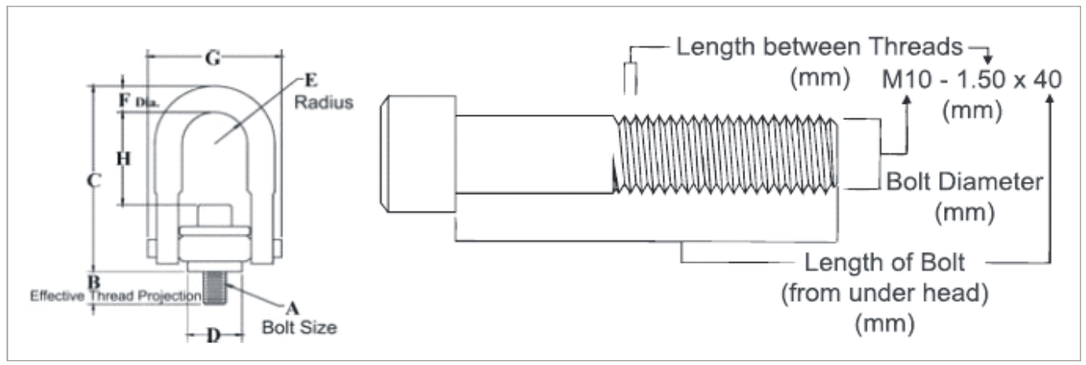
Metric Swivel Hoist Rings

Load Rated | Sling Saver® | CE

- Top washer has the following features:
  a. The Working Load Limit and Recommended Torque value are permanently stamped into each washer
  b. Washer is color coded for easy identification: Silver - Metric thread
- Individually Proof Tested to 2-1/2 times Working Load Limit
- Bolt specification is a Grade 12.9 Alloy socket head cap screw to Din 912. All threads listed are metric (ASME/ANSI B18.3.1m)
- Designed to be used with ferrous workpiece only
- BOLT SIZE IDENTIFICATION: The size of the bolt will be stated as in the drawing below. Illustration shows meaning of each dimension given
- NOTE: For Special Applications, see page 473
- Frame 2 and larger RFID EQUIPPED



HR-125M



HR-125M Metric Threads

Frame Size No.	HR-125M Stock No.	Working Load Limit (kg)		Torque in Nm*	Dimensions (mm)								Weight Each (kg)
		At a 5:1 Design	At a 4:1 Design		Bolt Size (A)	Effective Thread Length	C	D	Radius E	Diameter F	G	H	
1	1016602	400	500	10	M8X 1.25 X 40	16.9	69.9	24.6	11.8	8.5	47.5	29.9	.17
1	1016613	450	550	16	M10 X 1.50 X 40	16.9	69.9	24.6	11.8	8.5	47.5	28.1	.18
2	1016624	1050	1300	38	M12 X 1.75 X 50	16.9	123	49.8	22.3	17.5	85.1	60.4	1.05
2	1016635	1900	2400	81	M16 X 2.00 X 60	26.9	123	49.8	22.3	17.5	85.1	56.3	1.11
2	1016644	2150	2700	136	M20 X 2.50 X 65	31.9	123	49.8	22.3	17.5	85.1	52.3	1.17
3	1016657	3000	3750	136	M20 X 2.50 X 75	27.8	167	75.2	34.7	25.4	124	76.6	3.09
3	1016668	4200	5250	312	M24 X 3.00 X 80	32.8	167	75.2	34.7	25.4	124	70.5	3.21
4	1016679	7000	8750	637	M30 X 3.50 X 120	61.7	222	94.2	44.5	30.5	157	102	6.53
5	1016690	11000	13750	1005	M36 X 4.00 X 150	54.0	318	120	60.7	44.5	215	142	16.8
5	1016701	12500	15600	1005	M48 X 5.00 X 160	64.0	318	120	60.7	44.5	215	136	17.4
5	1016712	13500	16900	1350	M48 X 5.00 X 160	74.0	318	120	60.7	44.5	215	130	18.0

KRYFS POWER COMPONENTS LIMITED

Crosby® World s No. 1 Rigging hardware

Machinery Eye Bolts

Forged Steel - Quenched & Tempered

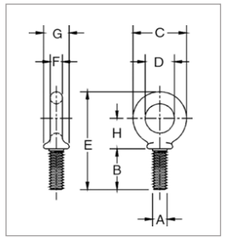
Working Load Limits shown are for in-line pull. For angle loading, see page 196

Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles

Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these bolts meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26

Recommended for in-line pull

S-279 threaded UNC M-279 metric threaded




S-279 / M-279

Shoulder Type Machinery Eye Bolts

S-279 UNC

Size	S-279 Stock No.	Working Load Limit (t)*	Weight Each (kg.)	Dimensions (mm)							
				A** Thread	B	C	D	E	F	G	H
6.35 x 25.4	9900182	.29	.02	1/4 - 20	25.9	28.7	19.1	58.0	4.85	13.5	19.6
7.94 x 28.6	9900191	.54	.04	5/16 - 18	29.2	35.1	22.4	69.5	6.35	15.0	24.1
9.53 x 31.8	9900208	.70	.06	3/8 - 16	32.3	41.1	25.4	78.0	7.85	17.5	26.7
12.7 x 38.1	9900217	1.18	.12	½ - 13	38.9	49.5	30.2	94.0	9.65	23.1	32.3
15.9 x 44.5	9900226	2.35	.24	5/8 - 11	45.5	60.5	35.1	113	12.7	28.7	38.9
19.1 x 51.0	9900235	3.26	.43	3/4 - 10	52.0	70.0	38.1	129	16.0	35.1	43.4
22.2 x 57.0	9900244	4.80	.70	7/8 - 9	58.5	82.5	44.5	149	19.1	39.6	50.8
25.4 x 63.5	9900253	6.03	1.1	1 - 8	65.5	95.5	51.0	169	22.4	46.0	58.4
28.5 x 70.0	9900257	6.80	1.5	1-1/8 - 7	69.8	107	57.1	183	24.6	52.3	59.7
31.8 x 76.0	9900262	9.52	1.8	1-1/4 - 7	78.5	114	63.5	202	25.4	58.0	69.3
38.1 x 89.0	9900271	10.8	3.2	1-1/2 - 6	91.5	140	76.0	241	31.8	70.0	83.3
44.5 x 95.0	9900280	15.4	4.7	1-3/4 - 5	95.2	159	88.9	266	35.0	76.2	91.4
51 x 102	9900289	19.0	8.6	2 - 4-1/2	102	194	101	313	46.0	85.9	114
63.5 x 127	9900298	29.5	14.5	2-1/2 - 4	127	223	114	378	53.8	108	140

M-279 METRIC

Size	S-279 Stock No.	Working Load Limit (t)*	Weight Each (kg.)	Dimensions (mm)							
				A** Thread	B	C	D	E	F	G	H
M6 x 13	1045753	.20	.03	M6 x 1.0	13.0	28.7	19.1	47.0	4.9	13.5	19.6
M8 x 13	1045789	.40	.05	M8 x 1.25	13.0	35.1	22.4	54.6	6.4	15.0	24.1
M10 x 17	1045833	.64	.07	M10 x 1.5	17.0	41.1	25.4	64.3	7.9	17.5	26.7
M12 x 20.5	1045869	1.0	.11	M12 x 1.75	20.5	49.5	30.2	77.7	9.7	23.1	32.3
M16 x 27	1045913	1.8	.25	M16 x 2.0	27.0	60.5	35.1	96.0	12.7	28.7	38.9
M20 x 30	1045995	2.5	.42	M20 x 2.5	30.0	70.0	38.1	108	16.0	35.1	43.4
M24 x 36	1046029	4.0	1.05	M24 x 3.0	36.0	95.5	51.0	142	22.4	46.0	58.4
M27 x 69.8	1046038	5.0	1.42	M27 x 3.0	69.8	107	57.1	183	24.6	52.3	59.7
M30 x 45	1046075	6.0	1.77	M30 x 3.5	45.0	114	63.5	171	25.4	58.0	69.3
M36 x 54	1046109	8.5	3.12	M36 x 4.0	54.0	140	76.0	207	31.8	70.0	83.3
M42 x 95.2	1046118	14.0	4.58	M42 x 4.5	95.2	159	88.9	266	35.0	76.2	91.4
M48 x 102	1046127	17.3	8.71	M48 x 5.0	102	194	101	313	46.0	85.9	114
M64 x 127	1046136	29.5	14.74	M64 x 6.0	127	223	114	378	53.8	108	140

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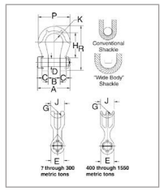
Crosby®
World s No. 1 Rigging hardware

Crosby® Wide Body Shackles & Vertical Clamps

Forged alloy steel from 7 through 300 metric tons. Cast alloy steel from 400 through 1550 metric tons.
Sizes 300 metric tons and smaller are proof tested to 2 times the Working Load Limit.
Sizes 400 metric tons and larger are tested to 1.33 times Working Load Limit.
Shackles, 30t and larger, are RFID EQUIPPED.
Can be used to connect HIGH STRENGTH Synthetic Web Slings, HIGH STRENGTH Synthetic Round Slings or Wire Rope Slings.
Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
Increases usable sling strength minimum of 15%.
Pin is non-rotating, with weld-on handles for easier use (75t and larger).
Approved for use at -40 degree C (-40 degree F) to 204 degree C (400 degree F).

Bow and bolt are Certified to meet charpy impact testing of 42 joules (31 ft-lbs.) min. ave. at -20 degree C (-4 degree F).
Shackles requiring ABS, Lloyds and other certifications are available upon special request and must be specified at time of order.
Shackles 18t and larger have DNV Type Approval to Rules for Certification of Lifting Appliances and are produced in accordance with DNV MSA requirements. Databook is provided that includes required documents.
Serialization / Identification
Material Testing (Physical /Chemical / Charpy)
Proof Testing


G-2160 WIDE BODY SHACKLES



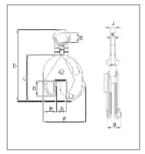
G-2160 Crosby® W ide Body Shackles

Working Load Limit (t)*	Stock No.		Weight Each (kg)	Dimensions (mm)												
	G-2160	S-2160		A	B +/- 6.35	C	D +/- .5	E	G	H	J	K	P	R	Effective Body Diameter
7	1021256	1021548	1.81	105	31.8	17.5	22.4	46.2	31.8	90.4	40.6	31.8	104	149	53.3
12.5	1021265	1021557	4.54	137	42.9	23.4	28.7	60.5	34.8	118	54.1	41.4	140	194	61.0
18	1021274	1021566	6.80	170	51.6	29.5	35.1	68.3	38.1	148	63.5	50.8	172	238	71.1
30	1021283	1021575	11.34	195	60.2	35.1	41.4	88.9	63.5	176	79.5	63.5	216	289	104
40	1021285	1021584	20.9	236	73.2	42.9	50.8	102	44.4	205	95.3	76.2	270	346	91.4
55	1021287	1021593	32.21	263	82.6	50.8	57.2	118	66.8	238	114	88.9	311	397	109
75	1021290		45	365	105	53.8	69.9	127	89.0	293	121	92.5	312	468	125
400	1021334		500	772	220	131	160	320	203	575	320	185	690	985	363
500	1021343		650	849	250	146	180	340	230	630	340	225	790	1085	376
600	1021352		860	916	275	158	200	394	330	700	370	247	865	1200	516
700	1021361		1109	990	300	167	215	433	223	735	400	270	940	1275	422
800	1021254		1368	1059	325	185	230	449	248	750	420	277	975	1323	457
900	1021389		1559	1112	350	198	250	478	330	757	440	293	1025	1387	569
1000	1021370		1824	1169	380	212	270	508	261	760	460	308	1075	1405	490
1250	1021272		2588	1278	432	233	300	573	354	1006	530	323	1175	1660	620
1550	1021281		3650	1588	465	282	320	616	318	1075	580	338	1316	1896	693

Universal - For Lifting in any Direction

- Available in capacities of .5 thru 30 metric tons (Higher Working Load Limits are available upon request).
- Wide variety of jaw openings available: 0 to 155mm.
- Welded alloy steel body for strength and smaller size. Forged alloy components, where required.
- Individually Proof Tested to 2 times the Working Load Limit with certification.
- Full 180˚ turning range for material transfer, turning or moving.
- Lock open, lock closed ability with latch for pretension on material and then release of material.
- Optional IP-5000 Stinger assembly available (see page 420). Allows for easy connection between the clamp and hoist hook.
- Minimum WLL of 10% of Maximum WLL.
- Maintenance replacement kits are available.
- Manufactured by a ISO 9001 facility.
- All sizes are RFID EQUIPPED.







Model IPU10

Model	Working Load Limit (t)*	IPU10 Stock No.	Weight Each (kg.)	Dimensions (mm)									
				Jaw A	B	C	D	E	F	G	H	J	K
IPU10	0.5	2701675	1.9	0 - 16	44	128	228	40	115	41	28	-	11
IPU10	1	2701663	2.4	0 - 20	45	139	222	40	126	41	38	-	11
IPU10	2	2701677	8.5	0 - 35	78	201	372	70	190	61	55	-	16
IPU10	3	2701665	14.8	0 - 40	100	253	445	75	225	78	60	-	20
IPU10	4.5	2701667	16.0	0 - 40	100	253	445	75	232	82	65	-	20
IPU10	6	2701669	24.0	0 - 50	126	302	525	80	292	84	95	44	20
IPU10/J	6	2702469	30.5	50 - 100	126	302	525	80	342	84	95	44	20
IPU10	9	2701671	29.5	0 - 50	126	325	557	80	310	92	105	44	20
IPU10/J	9	2701673	30.5	50 - 100	126	325	562	80	360	92	105	44	20
IPU10	12	2701679	57.0	0 - 54	160	391	623	80	331	117	137	41	25
IPU10/J	12	2701681	59.0	54 - 108	178	439	673	80	415	117	137	41	25
IPU10	16	2701683	72.0	5 - 64	178	465	734	88	397	119	153	45	25
IPU10/J	16	2701685	85.0	64 - 128	208	521	790	88	472	119	161	45	25
IPU10	22.5	2701687	127	5 - 80	222	554	855	110	470	136	186	49	25
IPU10/J	22.5	2701689	130	80 - 155	253	628	930	110	575	136	196	49	25
IPU10	30	2701691	153	5 - 80	222	545	860	110	470	152	186	54	30
IPU10/J	30	2701693	165	80 - 155	250	620	935	110	565	152	196	54	30

* Design Factor based on EN 13155 and ASME B30.20.

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Camlok® Lifting Clamps

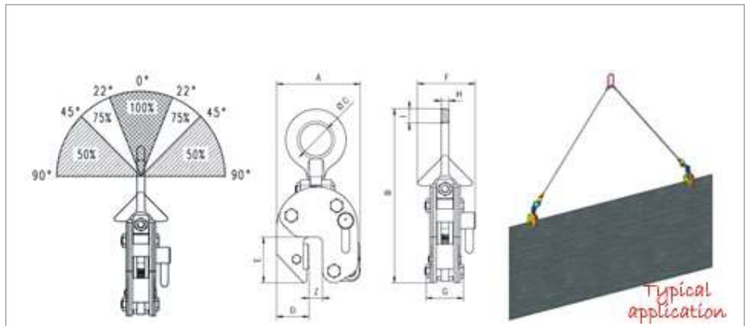
CY 'HINGED' VERTICAL PLATE CLAMPS

The CY plate clamps with hinged hook rings can be used for the safe handling of plate at various angles. It can lift plate from the horizontal and put down in the vertical. The hinged hook ring ensures adequate gripping pressure in every position, but the load capacity is reduced as seen in the diagram below showing the load / force capacities.

The main benefit of the CY hinged plate clamps is that longer plates can be lifted or handled, using two clamps on a two legged chain sling (as shown in illustration), thus eliminating the need for a spreader beam.

NB: The plate surface of the material must have a hardness level below HRC 30/Brinell 300.





Model	WLL Kg*	Jaw (Z) Capacity mm	A	B	C	D	E	F	G	H	HI	Weight Kgs**
			mm	mm	mm	mm	mm	mm	mm	mm	mm	
Cy1	200-1000	0-20	126	270	50	49	70	95	95	12	23	4.6
Cy1	400-2000	0-32	192	382	80	75	96	132	92	20	30	14
Cy1	600-3000	0-32	192	382	80	75	96	132	92	20	30	14

*Per clamp **Weight per clamp with hook ring.

TPM PERMANENT LIFTING MAGNETS

TPM permanent lifting magnets are ideal tools for easy, quick and economical transport of heavy objects made from ferro-magnetic material. Typical operating areas are workshops and warehouses, loading and unloading of machines as well as construction of jigs and fixtures.

Model	Flat material			Round material			Tear off force	Dimensions				Weight
	Maximum capacity SWL	Minimum thickness to obtain max. SWL	Maximum length of material	Maximum capacity SWL	Diameter	Maximum length of material		A	B	C	D	
	kgs**	mm**	mm	kgs**	mm	mm	kgs	mm	mm	mm	mm	Kgs
TPM 1	100	15	2000	50	200-300	2000	300	122	69	185	160	6
TPM 3	300	19	2500	150	200-300	2500	900	192	95	225	250	15.5
TPM 5	500	25	3000	250	200-300	3000	1500	232	120	270	250	29.5
TPM 8	800	35	3500	400	200-300	3500	2400	302	154	320	450	53
TPM 10	1000	40	3500	500	200-300	3500	3000	332	154	320	450	60



**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).

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Camlok Lifting Clamps

92 Series Vertical Plate Clamps

- Standard plate clamps with safety lock Working load limit (WLL) 500 - 3000kgs
- These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 1800.
- They can also be used for transporting steel constructions and profiles.
- It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long materials which have a tendency to sag or flex.



Function

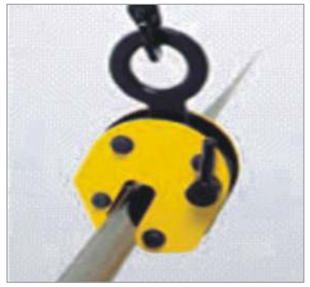
- The jaw is opened and closed with the locking lever except for the 92-500 which uses a positive spring-loaded cam.
- The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load.

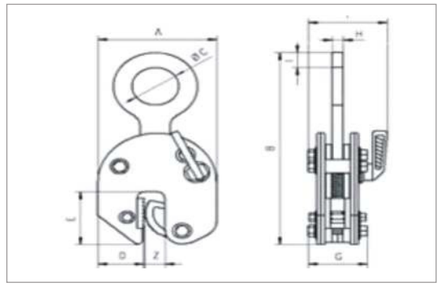
Workmanship and parts

- These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.
- The 92-500 is equipped with positive spring-loaded cam, but comes without locking lever.

NB: The plate surface of the material must have a hardness level below HRC 30/Brinell 300.







92 Series plate clamps

Working load limit 500 - 300kgs

Model	WLL	JAW (Z) Capacity	A	B	C	D	E	F	G	H	I	Weight
	(Kgs)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs)
92-500	50-500	0-16	99	195	29	33	47	50	48	11	15	1.5
92-1500	150-1500	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
92-3000	300-3000	0-32	192	320	80	75	96	100	81	30	30	12

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

Per clamp **Weight per clamp with hook ring.

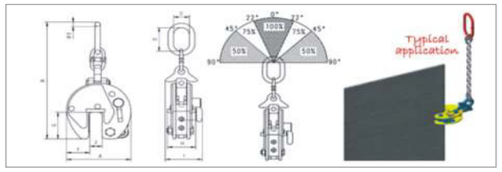
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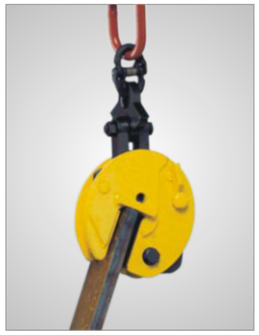
Camlok Lifting Clamps

CX 'HINGED' Vertical Plate Clamps

Heavy duty - side loading

- The CX plate clamps shares all the benefits of the CY clamps, but are specifically designed for more heavy duty applications.
- The other benefit that the CX clamps offers over the CY clamps is that vertically racked plates can be turned through 90 (as shown in illustration).
- NB: The plate surface of the material must have a hardness level below HRC 30/Brinell 300.





CX 'HINGED' VERTICAL PLATE CLAMPS

Model	WLL	JAW (Z) Capacity	A	B	C	D	E	F	G	H	I	Weight
	(Kgs)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs)
CX 1500	225-1500	0-20	140	399	63	125	12.5	48	70	57	83	7
CX 3000	450-3000	0-32	197	515	67	138	19	68	93	81	110	12
CX 3000L	450-3000	30-60	227	515	67	138	19	68	93	81	110	15
CX 6000	1200-6000	0-50	292	737	95	176	28	95	143	137	188	38
CX 6000L	1200-6000	50-100	367	785	98	180	28	115	143	135	188	48
CX 8000	1600-8000	0-50	292	737	98	176	28	95	143	136	210	39
CX 8000L	1600-8000	50-100	367	785	98	180	28	115	143	136	210	51
CX 10000	2000-10000	0-50	360	903	110	195	33	125	162	170	223	61
CX 10000L	2000-10000	50-100	446	921	112	195	33	168	162	170	223	76

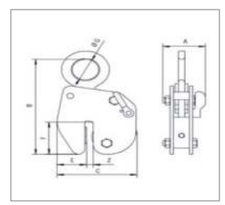
*Per clamp. **Weight per clamp with hook ring.

HG Vertical 'HIGH GRIP' Plate Clamps

Model	WLL	JAW (Z) Capacity	A	B	C	D	E	F	G	Weight
	(Kgs)	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs)
HG 500	25-500	0-10	42	230	148	10	55	79	50	5
HG 1000	50-1000	0-16	93	297	210	16	75	114	67	12
HG 2000	200-2000	0-20	110	416	305	20	102	159	80	22
HG 3000	300-3000	0-20	110	416	305	20	102	159	80	27
HG 4000	400-4000	0-20	120	335	305	20	102	159	80	32

*Per clamp. **Weight per clamp with hook ring.





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Camlok Lifting Clamps

CZ 'HEAVY DUTY' Plate Clamps

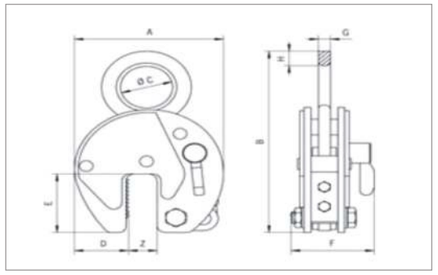
Working load limit (WLL) 1000 - 30000kgs

- These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180'
- They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long materials which have a tendency to sag or flex

Function

- The jaw is opened and closed with the locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load.
- Workmanship and parts
- These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.
- NB: The plate surface of the material must have a hardness level below HRC 30/Brinell 300







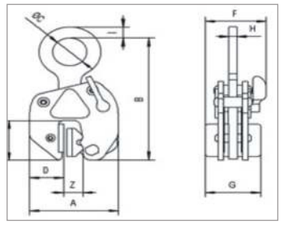
Model	WLL	JAW (Z) Capacity	A	B	C	D	E	F	G	H	Weight
	(Kgs)	mm	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs)
CZ 1	100-1000	0-20	140	254	51	48	70	83	13	19	4
CZ 1L	100-1000	20-40	161	260	51	48	70	83	20	19	5
CZ 2	200-2000	0-32	197	323	67	68	93	110	20	20	11
CZ 2L	200-2000	30-60	228	330	67	68	93	110	20	20	13
CZ 3	300-3000	0-32	197	371	80	68	93	110	20	30	12
CZ 3L	300-3000	30-60	228	390	80	68	93	110	20	30	15
CZ 4	480-4000	0-32	197	371	80	68	93	129	20	30	12
CZ 4L	480-4000	30-60	228	390	80	68	93	129	20	30	18
CZ 6	720-6000	0-50	293	484	89	95	143	129	25	35	21
CZ 6L	720-6000	50-100	362	524	89	95	143	129	25	35	28
CZ 8	960-8000	0-50	293	492	89	95	143	129	25	42	26
CZ 8L	960-8000	50-100	362	524	89	114	143	129	25	42	32
CZ 10	1500-10000	0-50	293	545	110	95	143	139	25	45	30
CZ 10L	1500-10000	50-100	362	545	110	114	143	139	25	45	37
CZ 12	1800-12000	0-50	360	613	130	125	162	154	30	55	54
CZ 12L	1800-12000	50-100	460	678	130	175	162	154	30	55	63
CZ 15	3000-15000	0-50	360	613	130	125	162	204	45	55	75
CZ 15L	3000-15000	50-100	460	678	130	175	162	204	45	55	88
CZ 20	4000-20000	0-65	462	755	130	165	210	235	45	65	123
CZ 20L	4000-20000	65-130	560	805	130	195	210	235	45	65	136
CZ 30	6000-30000	0-65	462	732	60	165	210	295	65	-	195
CZ 30L	6000-30000	65-130	560	797	60	195	210	295	65	-	295

PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order.
Also available with Sharp Leg body shell or extra thick shell plates for dragging. Please contact sales team for details and prices.
*Per clamp. **Weight per clamp with hook ring.

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Camlok Lifting Clamps

LJ 'NON-MARKING' Plate Clamps





Model	WLL	Jaw Capacity	A	B	C	D	E	F	G	H	I	Weight
	(Kgs*)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs**)
LJ 500	25-500	0 - 10	127	200	55	52	69	86.5	76	13	20	3.5
LJ 1500	180-1500	0 - 20	215	345	85	75	135	131	118	20	24	12

*Per clamp. **Weight per clamp with hook ring.

CLT/CLB CLT for top lifting CLB for side lifting

- Working load limit (WLL) 32000 - 56000kgs
- These container lifting lugs are supplied in sets of 4 and are available in with a total lifting capacity of up to 56 tonnes. The CLT and CLB lugs serve as flexible lashing points for the transportation of containers.
- Two types are available dependant on if you want to fasten them to the top or the side of the container:
- The CLT type is vertically mounted in the hole at the top of the container and is locked into place by simply turning the lug 900. This configuration allows for transportation via the use of a lifting frame in conjunction with cables, chains or slings.
- The CLB model is mounted horizontally to the side of the container at either the top or the bottom fixing holes. This model has a spring loaded bolt to prevent accidental release.

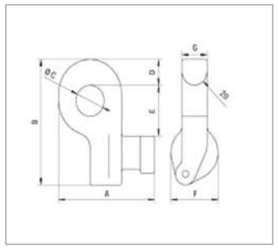




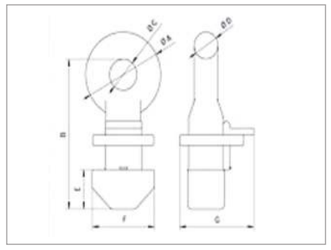
Model	WLL	Type of Lifting	Top Angle Between Chains	A	B	C	D	E	F	G	Weight
	(Kgs)			mm	mm	mm	mm	mm	mm	mm	(Kgs)
CLB	32000	Side	50°	152	181	45	37	73	75	40	18
	40000		36°								
	50000		Vertical								
CLT	56000	Top	Vertical	123	217	45	39	57	101	121	28

*Per clamp. **Weight per clamp with hook ring.









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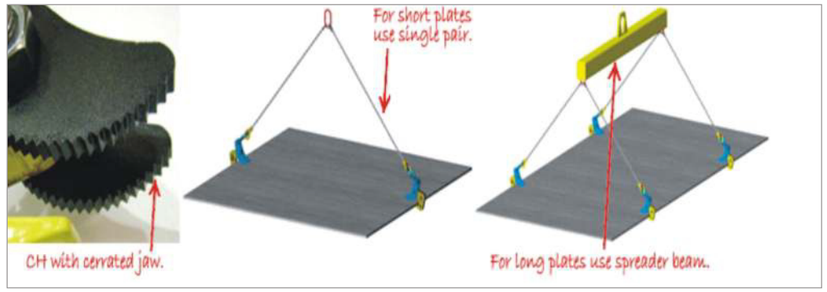
Camlok Lifting Clamps

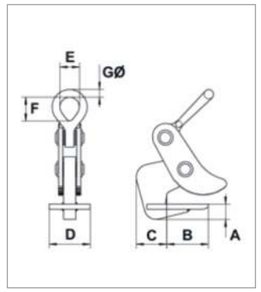
CH/HH 'INDUSTRY STANDARD', Horizontal Plate Clamps

Working load limit (WLL) 1000 - 10000kgs

- The CH horizontal plate clamps have been specifically designed to be used, in pairs, for the transportation of plate bundles as well as single plates with a minimum thickness of 5mm.
- A pair of clamps used with a two legged chain sling are suitable for small plates. It is recommended to use two pairs in conjunction with a spreader beam for handling of larger plates, These units are supplied as standard with a smooth jaw. There is also the option of hardened steel teeth for special applications. Please contact our technical department for further details.
- The HH horizontal plate clamps incorporate all of the features of the CH clamps, yet are manufactured from high strength steel giving them exceptionally low tare weights.
- Workmanship and parts
- These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.







Model	WLL	JAW Capacity	A	B	C	D	E	F	G	Weight
	(Kgs)	mm	mm	mm	mm	mm	mm	mm	mm	(Kgs)
CH 1	1000	5-32	15	82	60	100	32	44	13	8
CH 2	2000	5-32	30	82	60	100	50	73	18	11
CH 2L	2000	20-50	30	82	60	100	50	73	18	12
CH 4	4000	5-50	40	112	80	100	64	92	25	17
CH 4L	4000	50-100	40	112	80	100	64	92	25	23
CH 6	6000	5-75	55	172	100	130	90	130	35	46
CH 6L	6000	50-125	55	172	100	130	90	130	35	56
CH 8	8000	5-75	55	172	105	130	90	130	35	53
CH 8L	8000	50-125	55	172	105	130	90	130	35	60
CH 10	10000	5-100	65	215	120	150	114	114	35	95
CH 10L	10000	50-150	65	215	120	150	114	114	35	108
HH 8	8000	5-50	55	168	105	130	67	67	24	21
HH 8L	8000	50-100	55	168	105	130	67	67	24	28

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Camlok Lifting Clamps



ACH 'Adjustable' Horizontal Plate Clamps



RH/WH/WHL/WHP Horizontal Plate Clamps



SC92 Beam Clamps With Shackle



CR Single Rail Clamps



GRAB **MRC** Interchangeable Multi Rail Grabs



MR Fixed Multi Rail



PH Pipe Hooks



CP Pile Pitching Clamps



TRU Tru Round Stock Grabs



DC500 Drum Clamps **DBT** Drum Clamps



DT Horizontal Lifting Drum Tongs



TKG-VHS Crane Forks - Automatic



The MAGNETIC CLAWS



SB Spreader Beams

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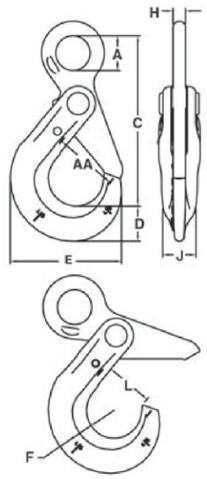
Crosby®
World's No. 1 Rigging hardware

Crosby® Grade 100 SHUR-LOC® Hooks

Features:

- •Forged Alloy Steel - Quenched and Tempered.
- •25% stronger than Grade 80.
- •Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- •Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- •Easy to operate with enlarged thumb access.
- •Positive Lock Latch is Self-Locking when hook is loaded.
- •Eye style is designed with “Engineered Flat” to connect to S-1325 chain coupler.
- •Suitable for use with Grade 100 and Grade 80 chain.
- •The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- •Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- •“Look for the Platinum Color - Crosby Grade 100 Alloy Products."
- •Forged Alloy Steel - Quenched and Tempered.
- •25% stronger than Grade 80.
- •Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- •Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- •Easy to operate with enlarged thumb access. • Positive Lock Latch is Self-Locking when hook is loaded





Crosby 8/10™ | Fatigue Rated | "QT" | QUIC-CHECK® | CE

Chain Size		Working	S-1316	Weight Each	Dimensions								
(in.)	(mm)	Load Limit	Stock No.	(kg.)	(mm)								
		(ton)			A	C	D	E	F	H	J	L	AA
-	6	1.5	1022896	0.39	19.8	100	20.1	66.0	17.0	7.87	16.0	29.5	38.1
1/4-5/16	7-8	2.6	1022914	0.82	27.4	135	27.9	88.9	22.1	9.91	20.6	37.6	51.0
3/8	10	4.0	1022923	1.54	33.0	167	29.7	112	27.9	12.9	23.9	46.5	63.5
1/2	13	6.8	1022932	2.72	41.9	209	42.4	139	32.0	17.0	29.5	56.4	76.2
5/8	16	10.3	1022941	6.85	55.9	256	51.8	167	38.1	22.1	38.1	67.3	89.0
3/4	18-20	16.0	1022942	8.62	66.0	274	56.4	197	51.1	22.1	51.6	89.4	-
7/8	22	20.0	1022943	12.7	72.9	317	62.2	222	57.7	24.9	55.9	97.3	-
1	26	27.10	1022944	22.5	80.0	371	81.5	251	62.5	32.9	68.1	104	-

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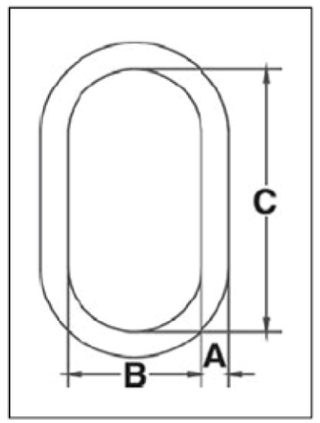
Crosby®
World's No. 1 Rigging hardware

Grade 100 Welded Master Links

- Ratings below are for use with chain slings fabricated in accordance with ASTM B30.9.
- Alloy Steel - Quenched and Tempered.
- Design Factor of 4 to 1.
- Individually Proof Tested to values shown.
- Meets or exceed all requirements of ASME B30.26 including identification,
- ductility, design factor, proof load and temperature requirements. Importantly,
- these master links meet other critical performance requirements including
- fatique life, impact properties and material traceability, not addressed by ASMEB30.26.
- Each link has a Product Identification Code (PIC) for material traceability, alongwith the size and “CG” stamped into it.

Crosby 8/10™
"QT" CE





A-1343
Welded Master Link

A-1343 Welded Master Link

Size	A-1343 Stock No. S.C.	Weight Each (kg)	For use as Grade 100 Chain Sling		For use as Grade 80 Chain Sling		WLL (t)	Proof Load (t)	Dimensions (mm)		
			Single Leg Chain Size (mm)	Double Leg Chain Size (mm)	Single Leg Chain Size (mm)	Double Leg Chain Size (mm)			A	B	C
12X1	1247069	0.30	6	–	6-7	6	1.6	4	12	60	120
13X2	1247076	0.36	7-8	6	8	7	2.5	6.3	13	60	120
17X3	1247087	0.86	10	7-8	10	8	4.1	10.3	17	90	160
19X4A	1247096	1.08	13	10	13	10	6.7	16.8	19	90	160
22X4B	1247115	1.59	13	10	16	13	8.5	21.3	22	90	170
25X5	1247124	2.43	16	13	18-19	16	11.5	28.8	25	115	210
28X6	1247133	3.91	16-18	13	18-20	16	13	32.5	28	145	275
31X7	1247142	4.86	19-20	16	22-23	18-20	17	42.5	31	145	275
36X8	1247151	6.87	22-23	18-20	26	22-23	24	60	36	155	285
38X9	1247160	7.63	26	22-23	32	26	31.5	78.8	38	140	270
50X10A	1247165	17.60	32	26	–	32	45	112.5	50	200	380
57X10B	1247172	24.50	–	32	–	–	65.3	163.3	57	203	406

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Crosby®
World's No. 1 Rigging hardware

Grade 100 Welded Master Links

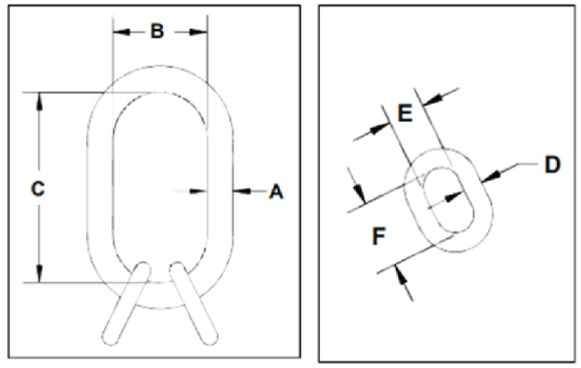
- Ratings below are for use with chain slings fabricated in accordance with ASTM B30.9.
- Alloy Steel - Quenched and Tempered.
- Design Factor of 4 to 1.
- Individually Proof Tested to values shown.
- Meets or exceed all requirements of ASME B30.26 including identification,
- ductility, design factor, proof load and temperature requirements. Importantly,
- these master links meet other critical performance requirements including
- fatique life, impact properties and material traceability, not addressed by ASMEB30.26.
- Each link has a Product Identification Code (PIC) for material traceability, alongwith the size and "CG" stamped into it.

Crosby 8/10™

"QT" CE



A-1346
Welded Master Link Assembly



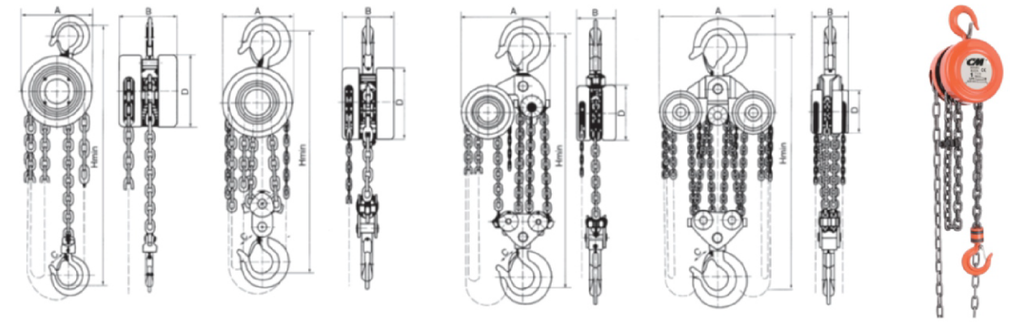
Size	A-1346 Stock No. S.C.	Weight Each (kg)	For use as Grade 100 Chain Sling Three Four Legs Chain Size (mm)	For use as Grade 80 Chain Sling Three Four Legs Chain Size (mm)	WLL (t)	Proof Load (t)	Dimensions (mm)					
							A	B	C	D	E	F
17X1	1256868	1.58	6	7	4.1	10.3	17	90	160	13	60	120
19X2A	1256874	1.8	7	8	4.3	10.6	19	90	160	13	60	120
22X2B	1256883	3.35	8	10	6.7	16.8	22	100	180	17	90	160
25X3	1256892	5.51	10	10	8.9	22.3	25	146	275	19	90	160
28X4A	1256917	7.17	13	13	14.5	36.3	28	145	275	22	100	180
31X4B	1256926	9.72	13	16	17	42.5	31	145	275	25	115	210
36X5	1256935	12.2	16	18-19	23.6	59	36	146	275	28	100	190
40X6	1256944	18.68	18	19-20	28.1	70.3	40	160	300	31	145	275
45X7	1256953	26.56	19-20	22-23	38.3	95.8	45	180	340	36	155	285
50X8	1256962	32.86	22-23	26	45	112.5	50	200	380	38	140	370
57X9	1256971	59.7	26	32	67	167.5	57	203	406	50	200	380

KRYFS
POWER COMPONENTS LIMITED

CM

Hoisting Equipment - Hand chain hoist

Series 622A Hand Chain Hoist Capacity 500 – 1000 kg
- Equipped with hardened load chain for flexibility and long wear.
- Compact design, low headroom and lightweight steel construction for easy installation, even in confined spaces.
- Weston-type load brake requires no lubrication.
- Hand wheel cover with guide slots minimizes jamming and slipping.
- Forged swivel hooks with latches reduce twisting of chain and unintentional unhooking of load when chain is slack.



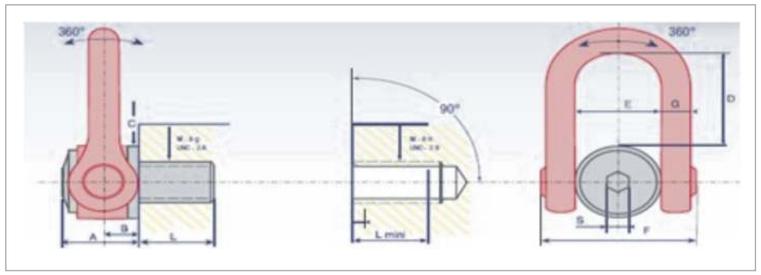
Specifications CM 622A

Model	Capacity kg	Standard m	Minimum distance between two hooks H mm	Full load pull of hand chain N	Number of load chain	Load chain Round diameter mm	Net weight (without load chain) kg	Packing weight kg	Packing dimensions (LxWxH) cm	Increases weight of lift height per meter kg
HS0.5	500	2.5	240	221	1	6	8	10	28×21×17	1.7
HS1	1000	2.5	270	304	1	6	10	13	30×24×18	1.7
HS1.5	1500	2.5	347	343	1	8	16	20	34×29×2	2.3
HS2	2000	2.5	380	314	2	6	14	17	33×28×19	2.5
HS3	3000	3	470	343	2	8	24	28	38×38×20	3.7
HS5	5000	3	600	381	2	10	36	45	45×39×24	5.3
HS8	8000	3	700	392	3	10	58	70	62×50×28	7.3
HS10	10000	3	700	392	4	10	68	83	55×51×29	9.7
HS16	16000	3	820	392	6	10	112	127	68×60×34	14.1
HS20	20000	3	1000	392	8	10	155	193	70×46×75	19.4

Model	A	B	C	D
HS0.5	120	108	24	120
HS1	142	122	28	142
HS1.5	178	139	34	178
HS2	142	122	34	142
HS3	178	139	38	178
HS5	210	162	48	210
HS8	356	162	64	210
HS10	358	162	64	210
HS16	400	196	69	210
HS20	580	189	82	210

Double Swivel Shackle - DSS



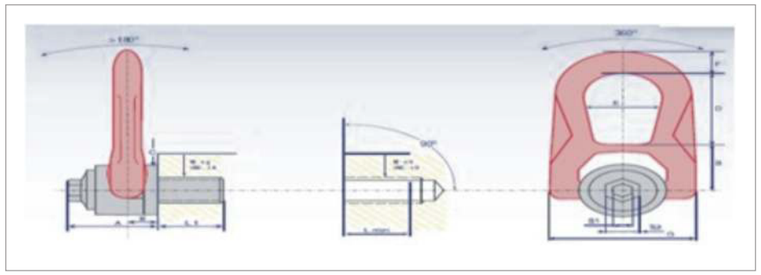


Reference	WLL (TON)	Safety factor	Diameter	standard L1	N.m Foot LBS	S	A	B	C	D	E	F	G	Weight (kg)
DSS M 24	4,5	5	M24 (x3)	36	160	19	61	31	70	104	73	145	29	5,4
DSS M 30	7,3	5	M30 (x3,5)	45	250	19	61	31	70	104	73	145	29	5,5
DSS M 33	8	5	M33 (x3,5)	50	250	19	61	31	70	104	73	145	29	5,5
DSS M 36	10	5	M36 (x4)	54	320	19	61	31	70	104	73	145	29	5,5
DSS M 36x3	10	5	M36 (x3)	54	320	19	61	31	70	104	73	145	29	5,5
DSS M 39	10	5	M39 (x4)	58	320	19	61	31	70	104	73	145	29	5,7
DSS M 42	12,5	5	M42 (x4,5)	63	400	19	61	31	70	104	73	145	29	5,8
DSS M 42x3	12,5	5	M42 (x3)	63	400	19	61	31	70	104	73	145	29	5,8
DSS M 45	15	4	M45 (x4,5)	63	400	19	61	31	70	104	73	145	29	5,9
DSS M 48	20	4	M48 (x5)	68	600	19	79	38	90	125	91	184	33	11
DSS M 48x3	20	4	M48 (x3)	68	600	19	79	38	90	125	91	184	33	11
DSS M 48x4	20	4	M48 (x4)	68	600	19	79	38	90	125	91	184	33	11
DSS M 52	20	4	M52 (x5)	68	600	19	79	38	90	125	91	184	33	11,2
DSS M 56	25	4	M56 (x5,5)	78	600	19	79	38	90	125	91	184	33	11,3
DSS M 56x4	25	4	M56 (x4)	78	600	19	79	38	90	125	91	184	33	11,4
DSS M 64	32,1	4	M64 (x6)	90	600	19	79	38	95	125	91	184	33	12,2
DSS M 64x4	32,1	4	M64 (x4)	90	600	19	79	38	95	125	91	184	33	12,2
DSS M 72	25	4	M72 (x6)	90	600	19	79	38	95	125	91	184	33	14
DSS M 72x4	25	4	M72 (x4)	90	600	19	79	38	95	125	91	184	33	14
DSS M 80	32,1	4	M80 (x6)	90	600	19	79	38	95	125	91	184	33	15
DSS M 90	32,1	4	M90 (x6)	90	600	19	79	38	95	125	91	184	33	15,5
DSS M 100	32,1	4	M100 (x6)	90	600	19	79	38	95	125	91	184	33	16,5
DSS U 100	5	5	UNC1-8	36	160	19	61	31	70	104	73	145	29	5,4
DSS U 125	14	5	UNC11/4-7	45	200	3/4	61	31	70	104	73	145	29	5,4
DSS U 138	20	5	UNC13/8-6	54	300	3/4	61	31	70	104	73	145	29	5,4
DSS U 150	20	5	UNC11/2-6	61	300	3/4	61	31	70	104	73	145	29	5,4
DSS U 200	50	4	UNC2 -4 1/2	76	450	3/4	79	38	90	125	91	184	33	11,1
DSS U 250	27.5	4	UNC2 1/ 2-4	90	600	19	79	38	95	125	91	184	36	12,2

Note: Other variants of the fixing axis available upon request

Double Swivel Ring - DSR





Reference	WLL (TON)	Diameter	Standard	Foot LBS	S1	S2	A	B	C	D	E	F	G	H	Weight (kg)
DSR M 4	0,05	M 4 (x0.7)	15	2	3	-	33	30	30	38	27	14	53	9,5	0,3
DSR M 5	0,075	M 5 (x0.8)	15	3	4	-	33	30	30	38	27	14	53	9,5	0,3
DSR M 6	0,1	M 6 (x1)	15	4	5	-	33	30	30	38	27	14	53	9,5	0,3
DSR M 8	0,3	M 8 (x1.25)	14	6	8	16	33	30	30	38	27	14	53	9,5	0,3
DSR M 10	0,6	M 10 (x1.50)	17	10	8	16	33	30	30	38	27	14	53	9,5	0,3
DSR M 12	1	M 12 (x1.75)	21	15	8	16	33	30	30	38	27	14	53	9,5	0,3
DSR M 14	1,3	M 14 (x2)	23	30	8	20	45	42	45	54	38	17	76	13	0,9
DSR M 16	1,6	M 16 (x2)	27	50	8	20	45	42	45	54	38	17	76	13	0,9
DSR M 18	2	M 18 (x2.5)	27	70	8	20	45	42	45	54	38	17	76	13	0,9
DSR M 20	2,5	M 20 (x2.5)	30	100	8	20	45	42	45	54	38	17	76	13	0,9
DSR M 22	3	M 22 (x2.5)	33	120	14	24	62	55	60	83	55	25	117	19	2,6
DSR M 24	4	M 24 (x3)	36	160	14	24	62	55	60	83	55	25	117	19	2,6
DSR M 27	5	M 27 (x3)	40	200	14	24	62	55	60	83	55	25	117	19	2,7
DSR M 30	6,3	M 30 (x3.5)	45	250	14	24	62	55	60	83	55	25	117	19	2,7
DSR U 025	0.1	UNC 1/4 -20	13	3	3/16	-	32	30	30	38	27	14	53	9,5	0,3
DSR U 516	0.3	UNC 5/16 -18	15	7	5/16	5/8	33	30	30	38	27	14	53	9,5	0,3
DSR U 038	0.6	UNC 3/8"-16	17	8	5/16	5/8	33	30	30	38	27	14	53	9,5	0,3
DSR U 050	1.1	UNC 1/2"-13	21	12	5/16	5/8	33	30	30	38	27	14	53	9,5	0,3
DSR U 058	1.9	UNC 5/8"-11	27	40	5/16	20	45	42	45	54	38	17	76	13	0,9
DSR U 075	2.75	UNC 3/4"-10	30	80	5/16	20	45	42	45	54	38	17	76	13	0,9
DSR U 078	3.3	UNC 7/8"-9	33	100	9/16	24	62	55	60	83	55	25	117	19	2,5
DSR U 100	5	UNC 1"-8	36	125	9/16	24	62	55	60	83	55	25	117	19	2,6

Swivel Eye Bolt - SEB



Reference	WLL	Safety factor	Diameter	standard L1	N.m Foot LBS	S	A	B	C	D	Weight (kg)
SEB M 8	0,3	5	M 8 (x1,25)	14	6	4	30	34	60	57	0,24
SEB M 10	0,6	5	M 10 (x1,5)	17	10	4	30	34	60	57	0,24
SEB M 12	1	5	M 12 (x1,75)	21	15	4	30	34	60	57	0,24
SEB M 16	1,6	5	M 16 (x2)	27	50	8	38	45	90	78	0,8
SEB M 20	2,5	5	M 20 (x2,5)	30	100	8	38	45	90	78	0,8
SEB M 24	4	5	M 24 (x3)	36	160	14	58	70	134	115	2,6
SEB M 30	6,3	5	M 30 (x3,5)	45	250	14	58	70	134	115	2,7
SEB M 36	10	5	M 36 (x4)	54	320	14	88	94	190	166	8
SEB M 42	12,5	5	M 42 (x4,5)	63	400	14	88	94	190	166	8,1
SEB M 48	15	4	M 48 (x5)	68	600	19	88	94	190	166	9

Note: Other variants of the fixing axis available upon request

Hoisting Equipment Hand chain hoists

Hand chain hoist - Model VSIII
Capacity 250 - 5000 kg

- The newly designed hand chain hoist VSIII is an innovative further development introduced by Yale. The improved hand chain guide prevents canting or jamming of the hand chain, leading to a smooth running of the chain
- High quality bearings on side plates, gearbox and load chain sheave ensure smooth operation of load chain and drive pinion
- Optimized hand forces set standards for easy operation

Features
- Strong bolts between side plates and housing cover and the reinforced hand wheel cover ensure increased stability
- Precision machined guide rollers ensure smooth running of the load chain
- High quality bearings for gearbox, side plates and load chain sheave permit a long service life
- Zinc-plated and yellow-chromated brake parts and guide rollers ensure increased corrosion protection
- Zinc-plated load chain as standard for added corrosion protection

Options
Overload prevention device
Chain container



Model	EAN-No. 4025092	Capacity in kg /number of chain falls	Chain Dim. d x p mm	Hand chain overhaul for 1 mm lift mm	Pull on hand chain at WLL daN	Weight at standard lift (3m) kg
VS III 0.5/1	949545	500/1	5 x 15	26	21	9
VS III 1.0/1	949927	1.000/1	6 x 18	24	24	11.5
VS III 2.0/1	949934	2.000/1	8 x 24	19	32	19
VS III 2.0/2	949941	2.000/2	6 x 18	15	29	17.3
VS III 3.0/1	949958	3.000/1	10 x 30	12	40	31
VS III 3.0/2	949965	3.000/2	8 x 24	10	37	27
VS III 5.0/2	949972	5.000/2	10 x 30	8	41	43

Hoisting Equipment Ratchet lever hoists

Ratchet lever hoist - Model UNOplus
Capacity 750 - 6000 kg

- Further technical development turns the ratchet lever hoist into the successor of our proven UNO model
- The versatile tool for lifting, pulling and securing of loads is characterised by its compact design and robust stamped steel construction

Features
- Due to optimized gearing and improved bearings in the housing cover a minimum effort is required to operate the short hand lever
- Steel hand wheel as standard
- Automatic screw-and-disc type load brake with corrosion protected components
- Standard free chaining device to quickly attach the load or to pull the chain through the hoist in both directions
- Robust chain guide rollers eliminate fouling and jamming of chain on the load sheave
- Sturdy bottom block with encapsulated bolt connections
- Alloyed steel link chain with zinc-plated resp. yellow chromated finish, in accordance with national and international standards and regulations
- Drop forged suspension and load hooks are made from non-aging, high tensile steel and fitted with robust safety latches



Model	EAN-No. 4025092*	Capacity kg	Number of chain falls	Chain dimensions d x p mm	Lift with one full lever turn mm	Handle pull at WLL daN	Weight at standard lift (1.5 m) kg
UNOplus 750	*168342	750	1	6 x 18	20	20	7.2
UNOplus 1500	*168359	1500	1	8 x 24	22	35	12.5
UNOplus 3000	*168366	3000	1	10 x 30	17	40	21.5
UNOplus 6000	*168380	6000	2	10 x 30	9	40	32

Ratchet lever hoist - Model Yalehandy

Capacity 250 - 500 kg

- The extreme low tare weight and the very compact design make the hoist easy to use even in confined working conditions Due to the multitude of application possibilities e.g. in industry, trade and service this ratchet lever hoist is indispensable

Features
- The enclosed design protects the internal parts from contamination
- The short handlever is fitted with an ergonomic rubber grip
- All parts of the disc type load brake are manufactured from high quality materials and are corrosion protected
- Standard free chaining device to quickly attach the load or to pull the chain through the hoist in both directions
- Alloyed steel link chain with zinc-plated resp. yellow chromated finish, in accordance with national and international standards and regulations
- Drop forged suspension and load hooks are made from non-aging, high tensile steel and fitted with robust safety latches



Model	EAN-No. 4025092*	Capacity kg	Number of chain falls	Chain dimensions d x p mm	Lift with one full lever turn mm	Handle pull at WLL daN	Weight at standard lift (1.5 m) kg
Yalehandy 250	*075039	250	1	4 x 12	80	25	2.2
Yalehandy 500	*077675	500	1	4 x 12	40	25	2.8

Crane weighers - Measuring range 0 - 12t

- The crane weighers TKL and TKR are compact measuring devices for the weighing of loads. Use appropriate attachments like grade 8 forgings between the hook of the hoist or crane, the crane weigher and the load
- The crane weighers have a liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery
  - with digital display model TKL
  - with digital display and radio control model TKR



Load indicator - Measuring range 0 - 100t

- The Tigrip® load indicator is a mechanical measuring instrument with electronic display. On account of its flexibility the Tigrip® load indicator has universal applications
- Whether used as a conventional crane weigher or to measure forces, it is the economical choice for various applications. It can be used in conjunction with shackles and hooks
- The load indicator is provided with liquid crystal display (LCD), which can tare as well as show either the gross or the net load. It also indicates overload at 110 % of the rated capacity and the status of the battery
  - with digital display model TZL
  - with digital display and radio control model TZR



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