



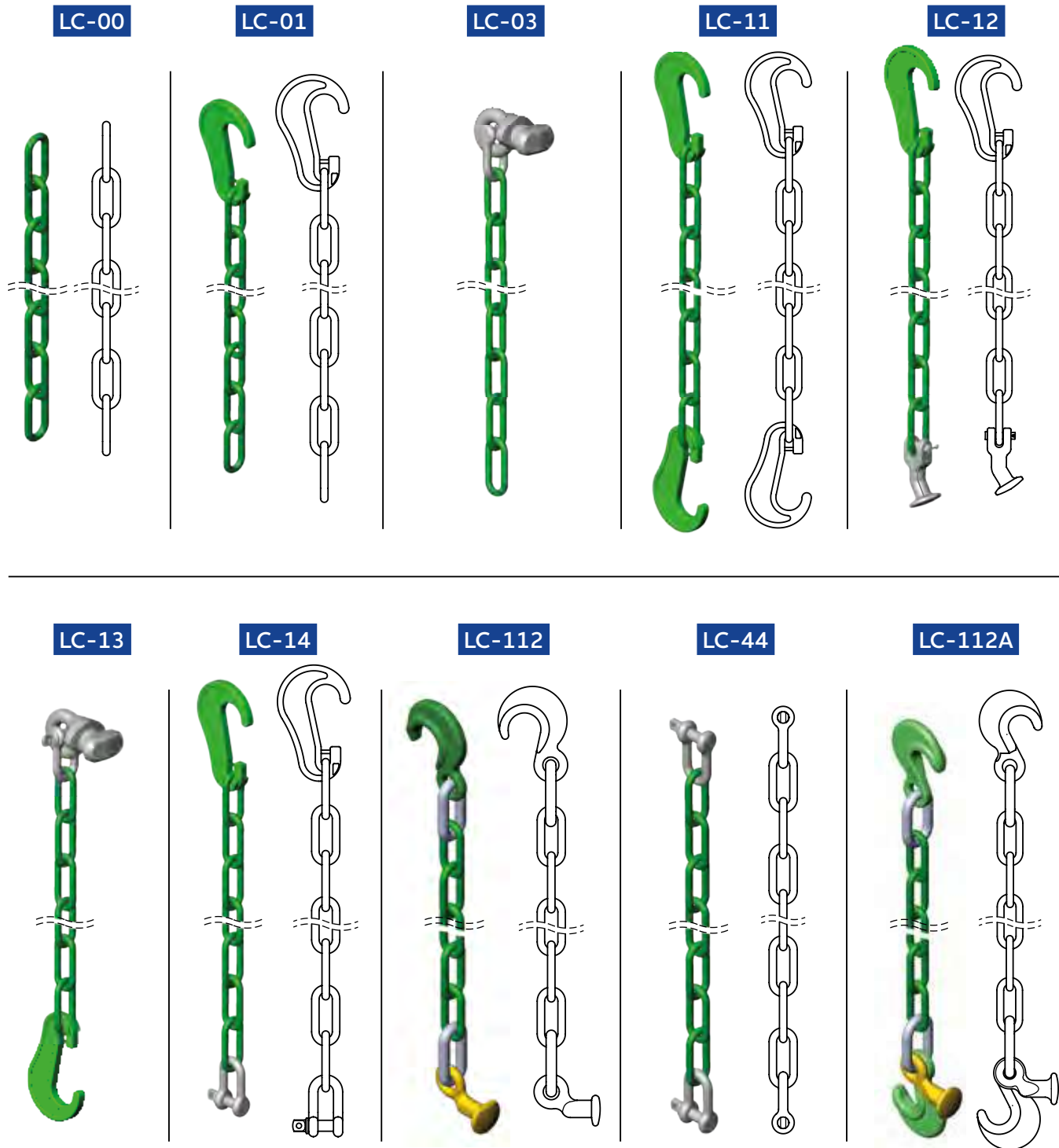
LASHING

ACCESSORI

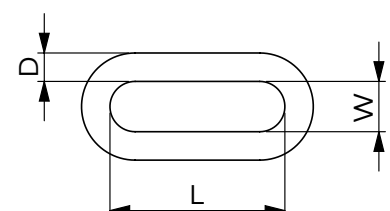




Lashing Chains



Ø (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (kg)	(MSL) MAX. SEC. LOAD (kN)	(MBL) MIN. BREAK. LOAD (kN)
9	56	15	1,45	50	100
11	65	18	2,20	75	150
13	80	23	3,00	100	200



CONTAINER

GENERAL CARGO

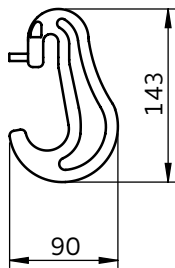
RORO



Hooks

H-12/9

Hook for 9mm lashing

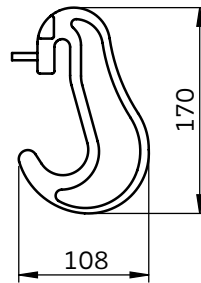


■ SPECIFICATIONS

- (MSL) Max. securing load: tension 50kN
- (MBL) Min. breaking load: tension 100kN

H-12/11

Hook for 11mm lashing

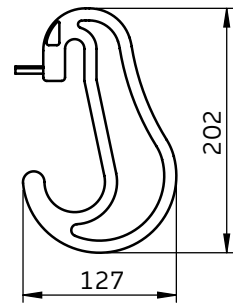


■ SPECIFICATIONS

- (MSL) Max. securing load: tension 75kN
- (MBL) Min. breaking load: tension 150kN

H-12/13

Hook for 13mm lashing

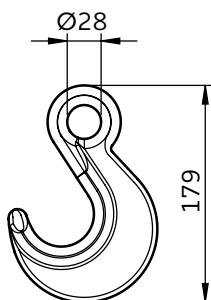


■ SPECIFICATIONS

- (MSL) Max. securing load: tension 100kN
- (MBL) Min. breaking load: tension 200kN

H-10

Eye hook

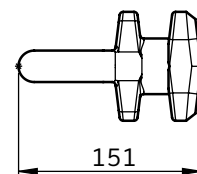
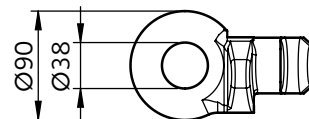


■ SPECIFICATIONS

- (MSL) Max. securing load: tension 100kN
- (MBL) Min. breaking load: tension 200kN

H-30

Securing pad



■ SPECIFICATIONS

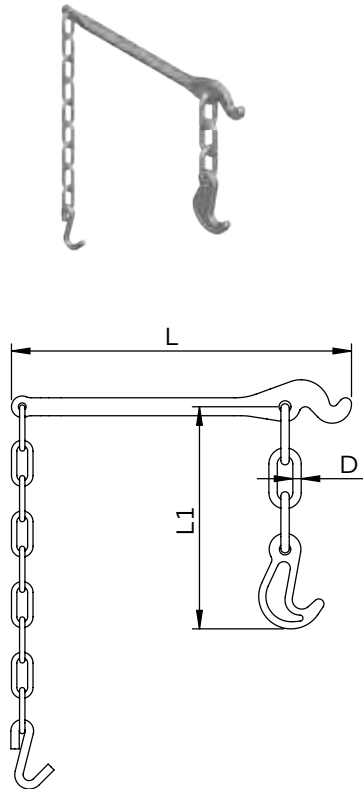
- (MSL) Max. securing load: tension 120kN
- (MBL) Min. breaking load: tension 240kN





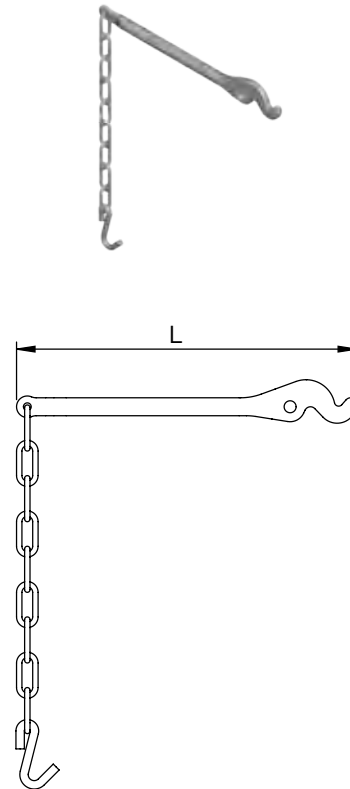
Chain Tension Levers

■ WITH FLAT HOOK FOR SHORTENING



REF.	Ø (mm)	L (mm)	L1 (mm)	D (mm)	MSL (kN)	MBL (kN)	COLOR
S-510	9	575	250	11	50	100	Yellow
S-530	11	570	305	12	75	150	Blue
S-550	13	570	335	14	100	200	Green

■ WITHOUT FLAT HOOK FOR SHORTENING



REF.	Ø (mm)	L (mm)	MSL (kN)	MBL (kN)	COLOR
S-540	11	570	75	150	Blue
S-560	13	570	100	200	Green

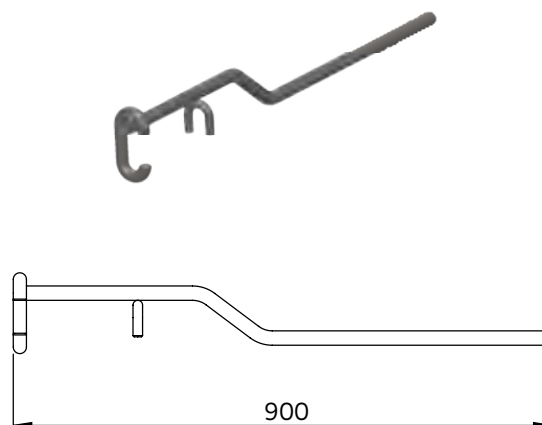
CONTAINER

GENERAL
CARGO

RORO

S-92B

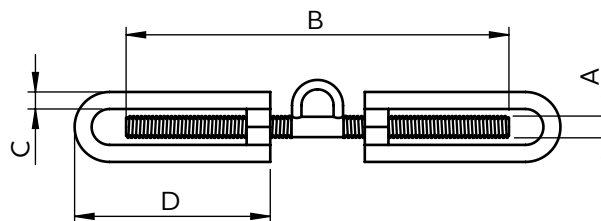
Lever extension



Wire Lashing

S-01

Hamburger turnbuckle



REF.	MBL	THREAD Ø A (mm)	THREAD LENGTH B (mm)	BOW Ø C (mm)	BOW LENGTH D (mm)	WEIGHT (kg)
S-01/24/400	13	24	400	16	210	2,8
S-01/24/500	13	24	500	16	260	3,8
S-01/27/400	18	27	400	18	210	4,4
S-01/27/500	18	27	500	18	260	5,5
S-01/30/400	20	30	400	20	210	5,0
S-01/30/500	20	30	500	20	260	6,3
S-01/36/400	21	36	400	20	210	7,0
S-01/36/500	21	36	500	20	260	8,8

Lashing wire



CONSTRUCTION	Ø (mm)	MBL (kN)	WEIGHT (kg/100m)
6 x 12 + FC	8	20	14
6 x 19 + FC	10	29	22
6 x 19 + FC	12	46	28
6 x 19 + FC	14	59	43
6 x 19 + FC	16	165	87
6 x 19 + FC	18	206	108
6 x 19 + FC	20	251	132
6 x 19 + FC	22	308	162

Lashing fibre rope



Ø (mm)	MBL (kN)	WEIGHT (kg/100m)
8	9,41	4,0
10	13,97	8,6
12	19,90	11,5

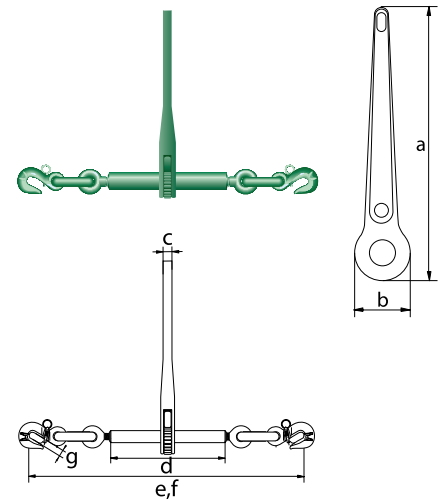


Load Binders

Ratchet type load binder (EN 12195-3)

CHAIN Ø (mm)	LASHING CAPACITY (t)	MBL (t)	DIMENSIONS							TAKE- UP (mm)	WEIGHT (kg)
			a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)		
8	4,0	8,0	355	66	16	252	742	573	11	169	4,5
10	6,3	12,6	355	66	16	252	789	620	13	169	5,4
13	10,0	21,2	355	66	16	252	866	703	17	153	7,7
16	16,0	32,2	355	66	16	252	892	733	20	159	10,2

Material: Drop forged, Grade 8, quenched and tempered
 Safety factor: MBL equals 2 x lashing capacity
 Standard: EN 12195-3
 Finishing: painted red or green



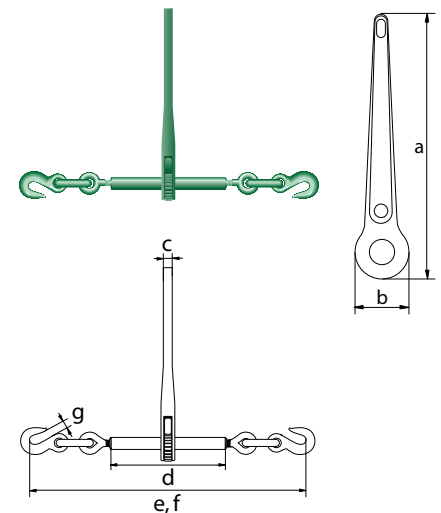
CONTAINER

GENERAL
CARGO

Ratchet type load binder (standard) (P71#)

CHAIN Ø (mm)	LASHING CAPACITY (t)	MBL (t)	DIMENSIONS							TAKE- UP (mm)	WEIGHT (kg)
			a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)		
8 - 10	2,45	8,6	355	66	16	254	750	580	13	170	4,8
10 - 13	4,17	15,0	355	66	16	254	770	600	16	170	5,9
13 - 16	5,90	20,9	355	66	16	254	840	685	19	155	7,9

Material: Drop forged/cast steel, quenched and tempered
 Safety factor: MBL equals 3,5 x lashing capacity
 Finishing: painted red or green



RORO

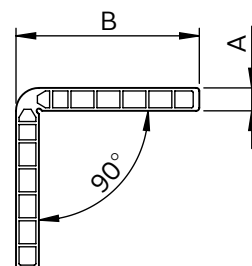
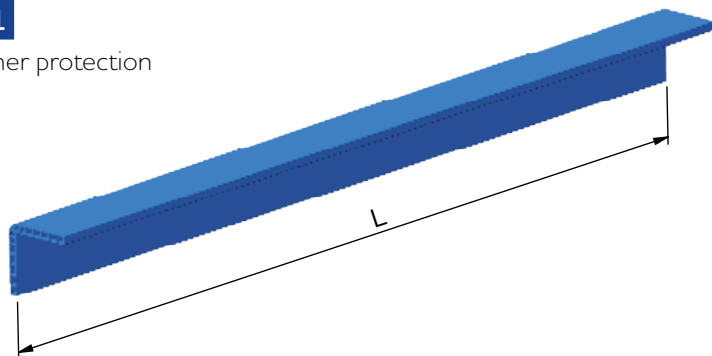




Cargo Accessories

Z-1

Corner protection

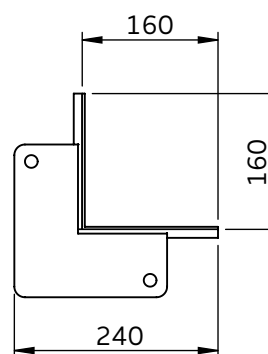
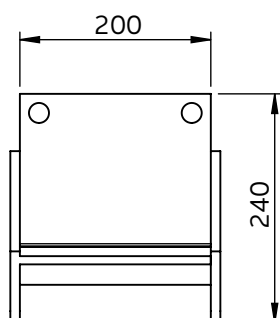


A (mm)	B (mm)
15	120
19	190

■ Standard length = 1m & 3m

Z-2A

Heavy duty corner protection



Z-27

Transport trolley



■ SPECIFICATIONS

Capacity: 1t

Z-23

Traffic cone





Cargo Accessories

Z-25

Dunnage with bark



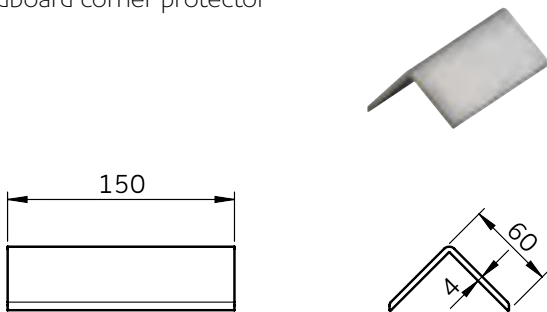
Z-37

Wooden beams



Z-1A

Cardboard corner protector



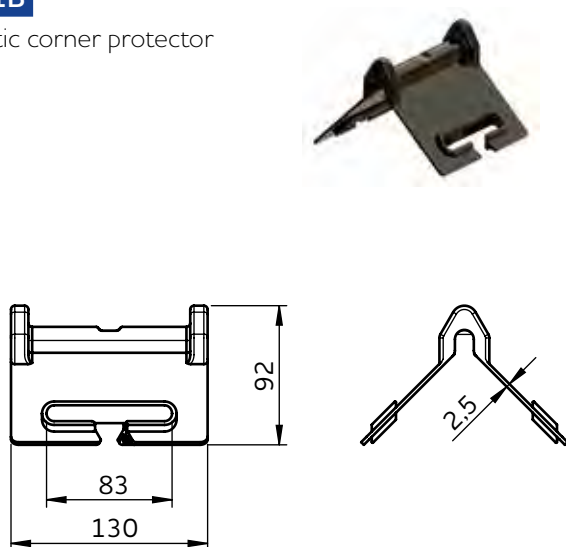
Z-10

Anti-skid mats



Z-1B

Plastic corner protector



Z-6

Stepladder



CONTAINER

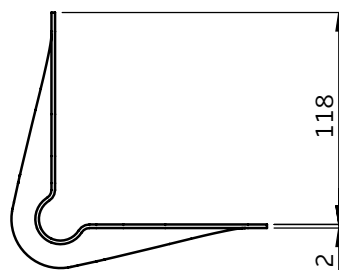
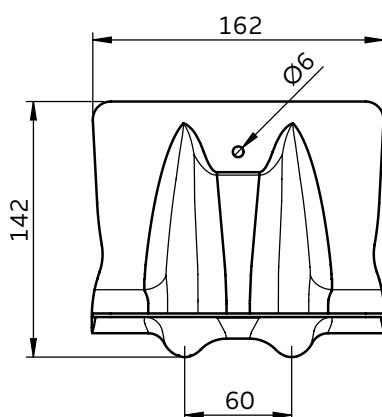
GENERAL CARGO

RORO

Cargo Accessories

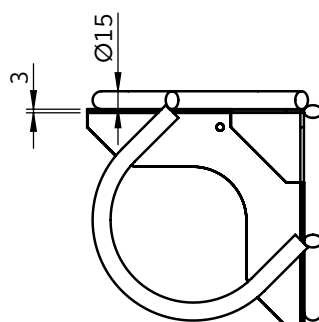
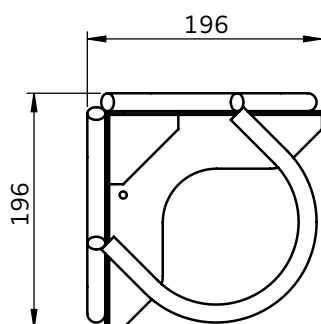
Z-1S

Steel corner protector

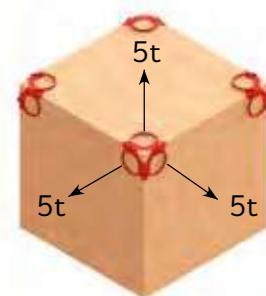


Z-2B

Corner lashing brace



■ PRACTICE



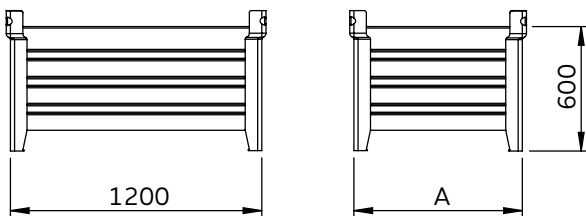
■ SPECIFICATIONS

Strength per eye:
(MSL) Max. securing load: tension 5t



Bins & Accessories

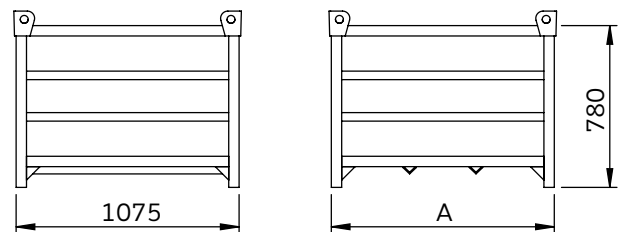
Z-8/1



REF.	A (mm)	WEIGHT (kg)	CAPACITY (t)
Z-8/1	800	71	1,5

Z-8/4

Bin for flat rack



REF.	A (mm)	WEIGHT (kg)	CAPACITY (t)
Z-8/4	1075	100	2,0

Z-12

Tarpaulin for bins



Available for:
Z-8/1
Z-8/2
Z-8/3
Z-8/4

MK-3A

4-leg lifting chain for empty bins



CONTAINER

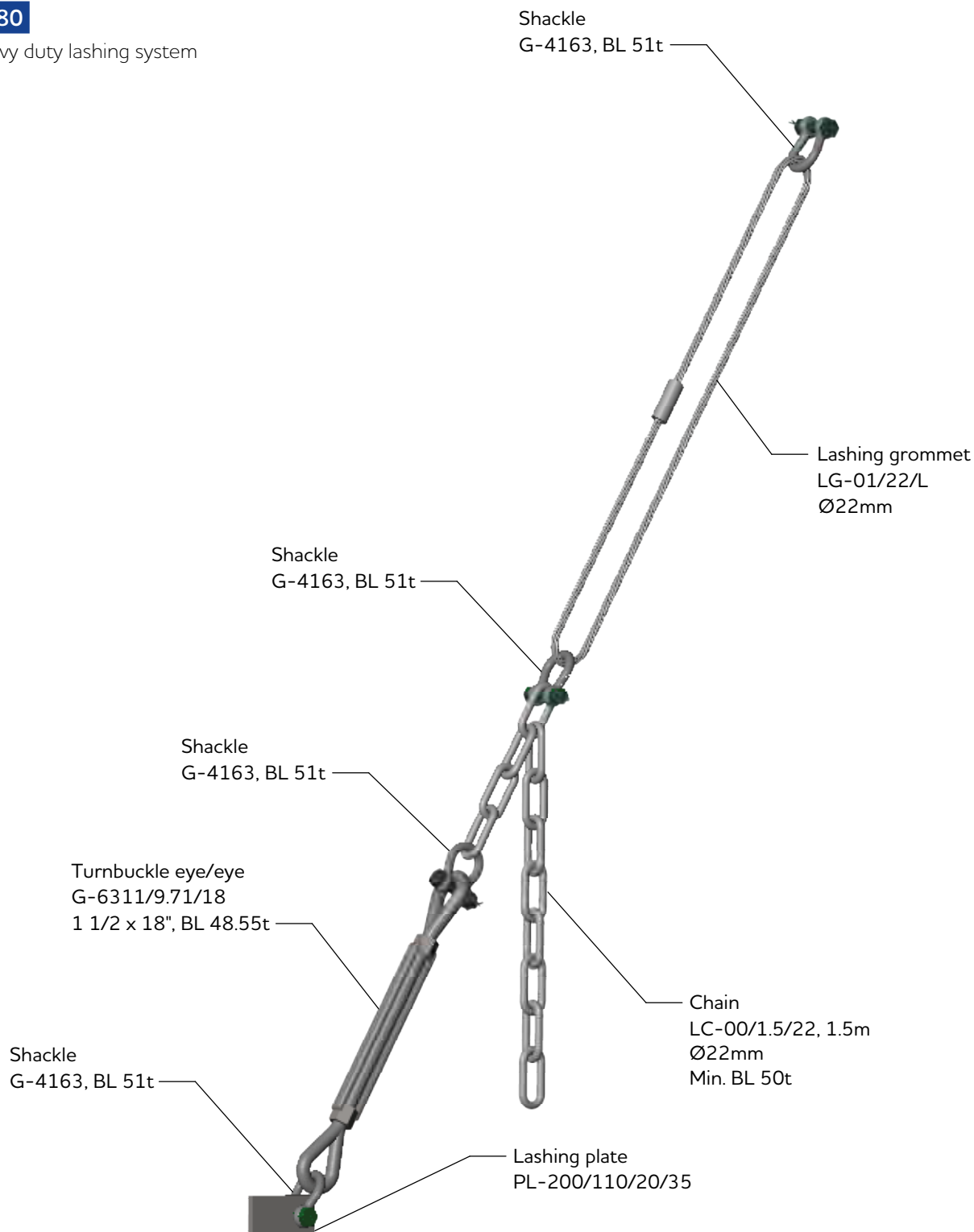
GENERAL CARGO

RORO

Heavy Duty Lashing

Z-80

Heavy duty lashing system



■ SPECIFICATIONS

(MSL) Max. securing load: 10t
Safety factor: 4



Lashing Straps

RR-32/L/50

Cargo lashing with ratchet

SPECIFICATIONS

(MBL) Min. breaking load: 5t
Length: 3m/5m/9m



RR-32/L/75

Cargo lashing with ratchet

SPECIFICATIONS

(MBL) Min. breaking load: 10t
Length: 10m/15m/25m



RR-321/L/50

Trailer lashing with ratchet

SPECIFICATIONS

(MBL) Min. breaking load: 5t
Length: 5m/9m



RR-321/L/75

Trailer lashing with ratchet

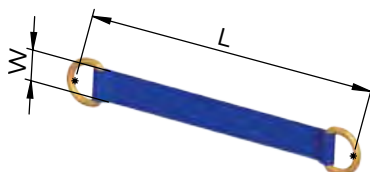
SPECIFICATIONS

(MBL) Min. breaking load: 10t
Length: 10m/15m



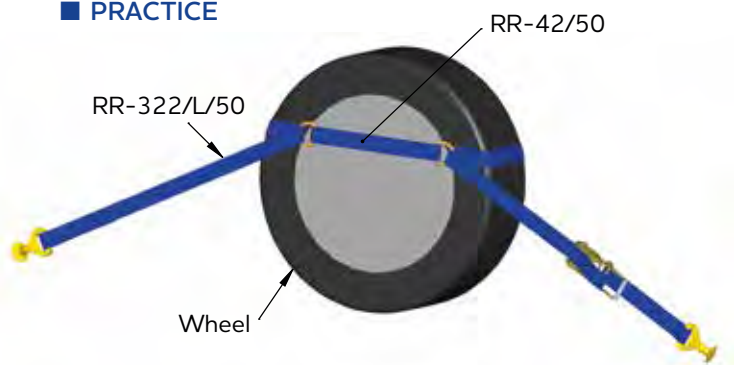
RR-42

For wheel lashing



REF.	L (mm)	W (mm)	MBL (t)
RR-42/50	520	50	5
RR-42/75	850	75	10

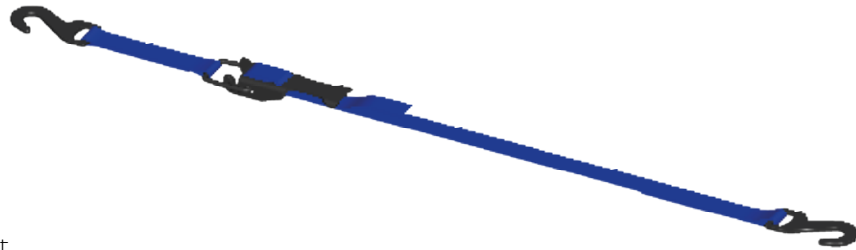
PRACTICE



Car Lashing Straps

RR-31

Car lashing



■ SPECIFICATIONS

(MBL) Min. breaking load: 1,5t
Max. working length: 2m

RR-31A and RR-31A/20

Car lashing with loop



■ SPECIFICATIONS

(MBL) Min. breaking load RR-31A: 1,5t
(MBL) Min. breaking load RR-31A/20: 2t
Max. working length: 2m

RR-31C/20

Car lashing with loop

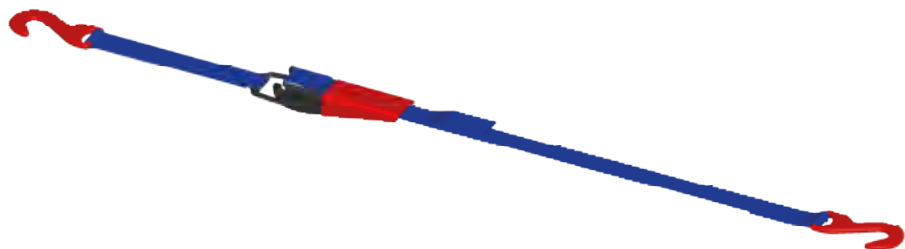


■ SPECIFICATIONS

(MBL) Min. breaking load: 2t
Max. working length: 2m

RR-31D

Car lashing



■ SPECIFICATIONS

(MBL) Min. breaking load: 2t
Max. working length: 2m



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