



**LIFTING
ANCHORING
SAFE LOAD
HANDLING**

INDUSTRY

- SWIVEL EYE BOLTS,
LIFTING POINTS AND
ANCHOR POINTS
- CHAIN SLINGS AND
ACCESSORIES
- WIRE ROPE SLINGS
- POLYESTER SLINGS AND
LASHING SYSTEMS
- FITTINGS FOR ROPES
AND CHAINS
- CERTIFIED LIFTING BEAMS
- HANDLING EQUIPMENT
- SPECIAL DEVICES



CARCANO
FORGED TO LIFT





ABOUT US

JUX INDUSTRIAL TECHNIQUE TOOLS is a technical reference in the lifting and rigging sector. We are present in Spain, South America, Central America and the Caribbean.

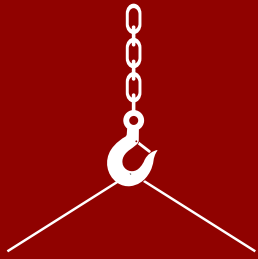
We combine uncompromising quality standards with a bespoke design, tailored to the unique specifications of each project.

The sectors in which we operate (aeronautics, wind power, naval, railway, nuclear and mining) demand extreme rigour. Our team guarantees full compliance with European (CE marking and EN standards) and North American (ASME) standards. Leading companies such as Siemens Energy, Vestas, ABB, Airbus, Alstom, ASMAR and the Chilean Air Force (FACH) trust us.

In this catalogue we present the premium range from Stamperia Carcano Giuseppe, Spa, our Italian partner manufacturer. Every product has been validated against our strict engineering and inspection criteria and can be fully integrated into standard solutions or custom systems.

**AN INSTITUTION IN THE
LIFTING
INDUSTRY**





SERVICES WE PROVIDE

- Engineering and Design: Structural calculation and design of critical tooling.
- Manufacturing and Initial Certification: Manufacturing with quality control and technical validation.
- Non-Destructive Inspection and Testing: Condition audits and advanced testing (Liquid Penetrant, Magnetic Particle, Ultrasonic) using NDT (Non-Destructive Testing) techniques.
- Maintenance and Recertification: Major technical overhaul and service-life extension.
- Warehouse Management and Logistics: Optimisation, control and transport of components.
- Digital Traceability: QR and RFID system with a complete technical history.
- In-house Inspectors: Just-in-Time service with a dedicated specialist inspector and technical management.
- Sale of Accessories: Textile and steel slings, steel chains, shackles, hooks and all types of lifting accessories (Grade 80, Grade 100 and, coming soon, Grade 120).
- For custom specifications or technical validations, contact our offices.

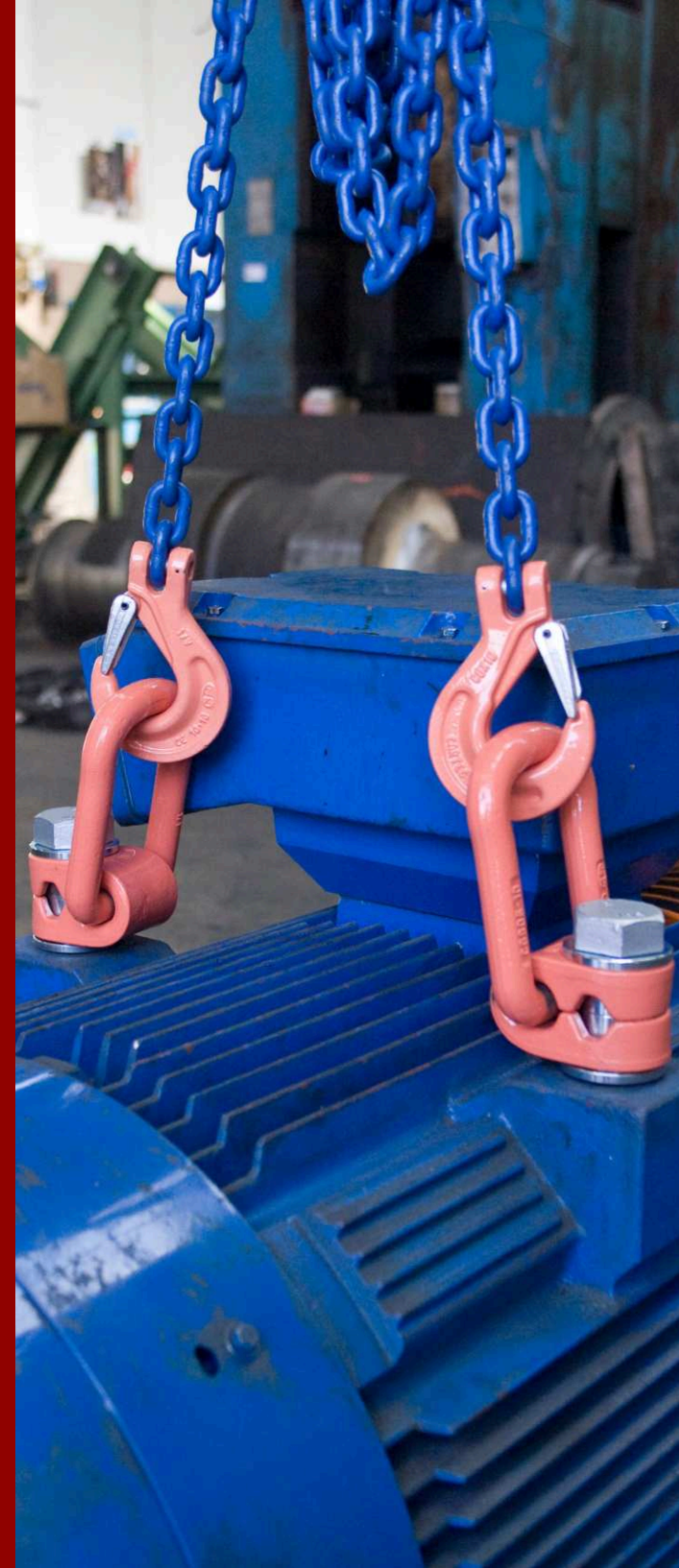
SWIVEL EYE BOLTS

JUX offers a wide range of swivel eye bolts: products for lifting, moving and turning heavy loads.

Also known as swivel anchor points, these are products suited to the safe handling of loads that allow a 90° pull with a large reduction in capacity (configuration not permitted for fixed eye bolts) and a minimum footprint compared with DIN 580 and 582 eye bolts.

The items in this range are entirely Made in Italy – direct CARCANO SPA production.

CARTEC



A WIDE RANGE OF SWIVEL EYE BOLTS CARTEC



C800

GR. 80 SWIVEL EYE BOLT WITH RING

Swivels under load
Sizes from M8 to M90
Capacities from 0.3 to 35 t at 90°
Non-standard dimensions on request
Safety factor 4



C800X

GR. 100 SWIVEL EYE BOLTS WITH RING

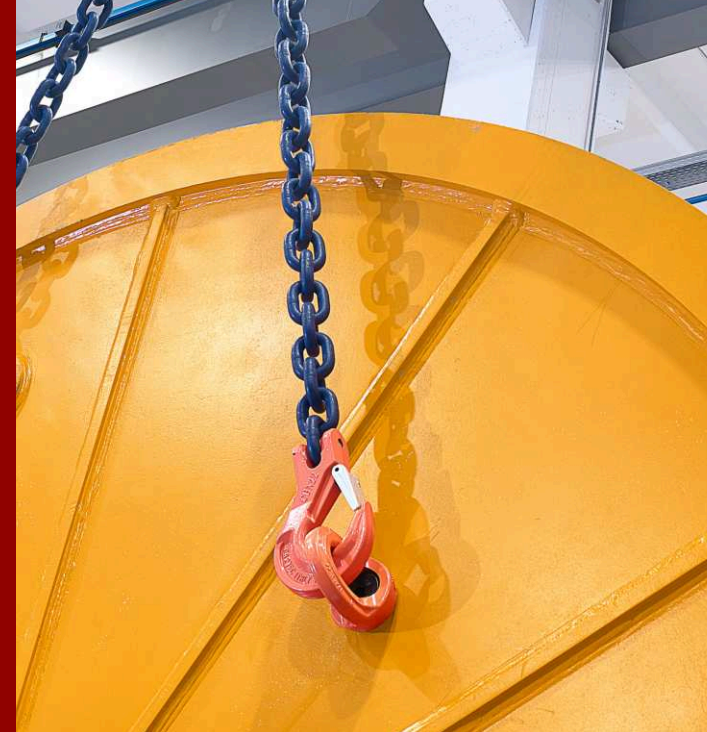
Swivels under load
Sizes from M8 to M90
Capacities from 0.3 to 40 t at 90°
Non-standard dimensions on request
Safety factor 4



**C811X
C811X H.T.**

GR. 100 SWIVEL EYE BOLTS WITH ARTICULATION

Axial pull with minimum footprint
with a factor of 5
Sizes from M8 to M30
Capacities from 1.3 to 6.3 t at 90°
Safety factor 4 and 5



**C806X
C806X H.T.**

GR. 100 SWIVEL EYE BOLTS WITH BRACKET

90° pull with minimum footprint
Sizes from M8 to M48
Capacities from 0.3 to 20 t at 90°
Safety factor 4



C807X

GR. 100 SWIVEL EYE BOLTS H.Q.

Adjustable in any load direction
Sizes from M8 to M48
Capacities from 0.3 to 12 t at 90°
Safety factor 4

CARTEC

**C807X H.T.**

GR. 100 SWIVEL EYE BOLTS H.T.

360° adjustable sizes from M8 to M48
Capacities from 0.3 to 12 t at 90°
Safety factor 4

CARTEC

**C813X
PERFORMER**GR. 100 SWIVEL EYE BOLTS
PERFORMER

360° adjustable sizes
from M33 to M100
Capacities from 10.5 to 32 t at 90°
QR code to download instructions
Safety factors 4

CARTEC

**C810X**

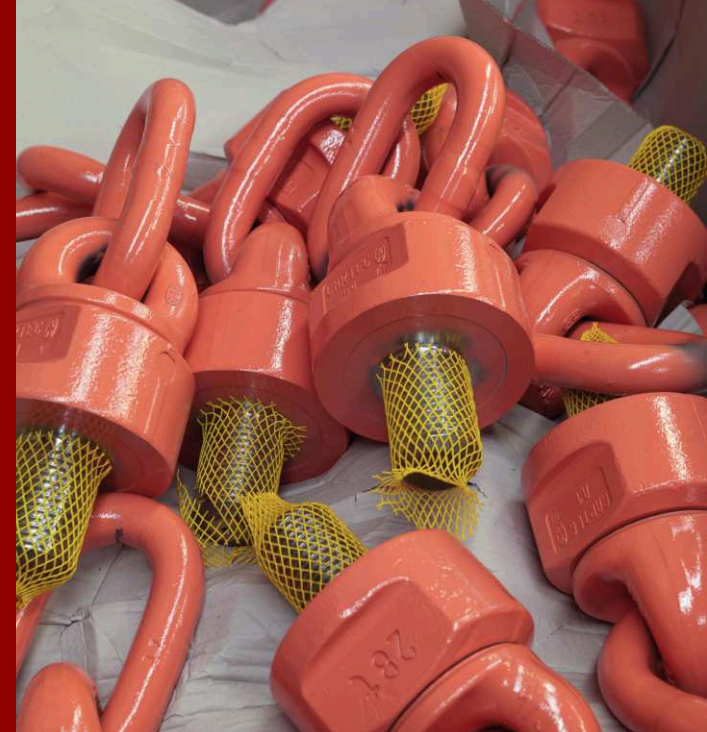
GR. 100 SWIVEL EYE BOLTS H.Q.E.

Variable-length screw
Sizes from M8 to M30
Capacities from 0.3 to 4.5 t at 90°
Safety factor 4

CARTEC

**C810FX**GR. 100 FEMALE SWIVEL
EYE BOLTS H.Q.E.

Integrated self-locking system
Sizes from M8 to M30
Capacities from 0.3 to 4.5 t at 90°
Safety factor 4



CARTEC

**C815X**GR. 100 SWIVEL WELD-ON
EYE BOLTS

Adjustable under load
Capacities from 2.5 to 17 t at 90°
Safety factor 4

CARTEC

**C806X**

GR. 100 FEMALE SWIVEL EYE BOLTS

Adjustable under load
Sizes from M12 to M36
Capacities from 0.5 to 5 t at 90°
Safety factor 4

LIFTING AND ANCHOR POINTS CARTEC



CARTEC

C820X

GR. 100 DOUBLE-BASE
WELD-ON BRACKET

Easy positioning for lifting
Capacities from 4 to 30 t at 90°
Safety factor 4



CARTEC

C821X

GR. 100 DOUBLE-BASE
ANCHOR BRACKET

Easy positioning for anchoring
Load capacities from 8 000
to 32 000 daN
Safety factor 2



CARTEC

C830X

GR. 100 SINGLE-BASE
WELD-ON BRACKET

Easy positioning for anchoring
Capacities from 1.5 to 16 t at 90°
Safety factor 4



CARTEC

C831X

GR. 100 SINGLE-BASE
ANCHOR BRACKET

Easy positioning for anchoring
Load capacities from 3 000 to
32 000 daN
Safety factor 2



CARTEC

C825X

GR. 100 ANCHOR BRACKET WITH
BOLT-ON PLATE

Made-to-order item
Capacities of 30 and 50 t
Safety factor 4



CARTEC

C832X

GR. 100 WELD-ON HOOK

Easy positioning for lifting
Capacities from 1.5 to 6.7 t
in straight pull
Safety factor 4



CARTEC

C838X

GR. 100 WELD-ON BRACKET

Burnished finish
Capacities from 0.8 to
20 t at 90°
Safety factor 4



CARTEC

C835X

GR. 100 ANCHOR BRACKET WITH
BOLTED FIXING

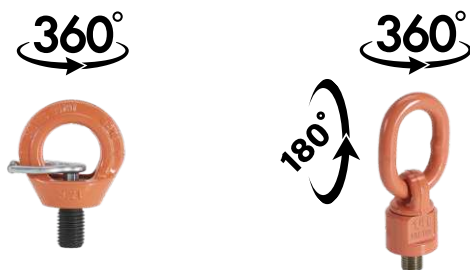
Guaranteed weld-free anchoring
Capacities from 4 to 30 t at 90°
Safety factor 4



SAFE LIFTING

SWIVEL EYE BOLTS

- ✓ • Made in Italy
- ✓ • Self-aligning with the load direction
- ✓ • 360° rotation
- ✓ • Highest axial pull ratings
- ✓ • Highest 90° pull ratings
- ✓ • High regulatory rigour and periodic audits
- ✓ • Significant size reduction for the same capacity
- ✓ • Available on request with non-standard thread length and shank
- ✓ • 100% magnaflux tested
- ✓ • 20 000 fatigue cycles tested
- ✓ • Designed, tested and certified to the technical standards GS-OA 15-04 - EN1677



SAFE LIFTING

LIFTING AND ANCHOR POINTS

- ✓ • Made in Italy
- ✓ • Easy orientation and self-alignment under load
- ✓ • Easy positioning for lifting/anchoring
- ✓ • Minimum overall dimensions for lifting/anchoring
- ✓ • High regulatory rigour and periodic checks
- ✓ • 100% magnaflux tested
- ✓ • 20 000 fatigue cycles tested
- ✓ • Designed, tested and certified to the technical standards GS-OA 15-04 - EN1677
- ✓ • High performance even with off-axis pulls



SWIVEL EYE BOLTS, LIFTING POINTS AND WELD-ON ANCHOR POINTS



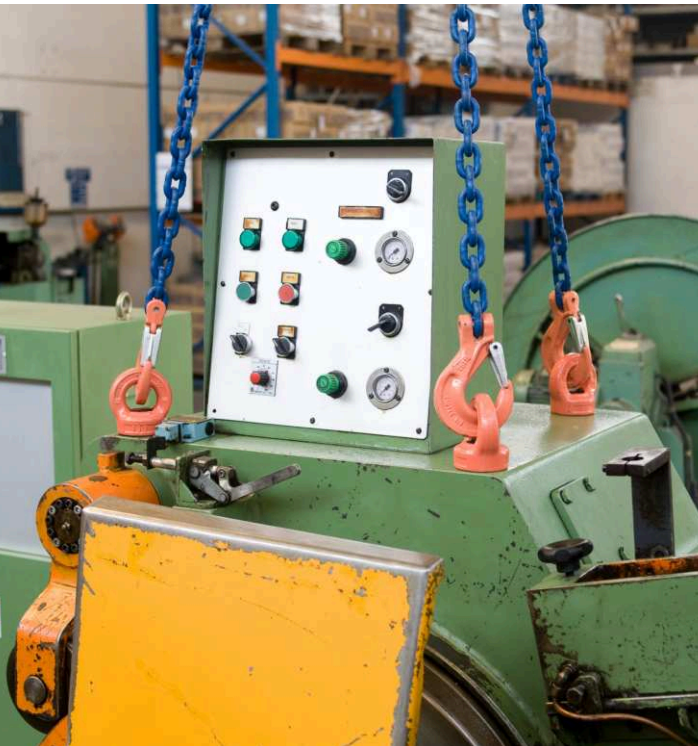
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Adjustable under load	✓	✓									✓	✓				
360° swivel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
Self-aligning with 180° articulated ring	✓	✓	✓				✓				✓	✓	✓	✓	✓	✓
90° pull with little space	✓	✓		✓	✓	✓			✓	✓	✓					
Safety factor 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety factor 5			✓													
Operating temp. -40°C – 350°C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Available on request for temp. below -40°C	✓	✓	✓	✓	✓	✓										
DGUV tested	✓	✓			✓	✓		✓	✓	✓	✓	✓			✓	✓

CHAIN SLINGS AND ACCESSORIES

- CARTEC GR. 100 CHAIN SLINGS
- CARTEC GR. 100 FITTINGS
- CARTEC GR. 80 CHAIN SLINGS
- CARTEC GR. 80 FITTINGS
- CARTEC GR. 60 STAINLESS CHAIN SLINGS
- CARTEC GR. 60 STAINLESS FITTINGS
- CHAIN TENSIONER
- WIRE ROPE SLINGS

JUX can supply a wide variety of chain slings (ready assembled) and fittings for building and customising lifting slings.

The range runs from grade 100 to grade 80 and grade 60 made of stainless steel.



GRADE 100

- No substantial change in shape and size compared with GR. 80
- 25% more strength
- Low wear thanks to the high strength of the material
- RAL 3022 epoxy paint
- LOAD REDUCTION FACTORS
 - 0% $-40 \leq T \leq 200^{\circ}\text{C}$
 - 10% $200 \leq T \leq 300^{\circ}\text{C}$
 - 25% $300 \leq T \leq 380^{\circ}\text{C}$

GRADE 80

- Low wear thanks to the high strength of the material
- RAL 3000 epoxy paint
- LOAD REDUCTION FACTORS
 - 0% $-40 \leq T \leq 200^{\circ}\text{C}$
 - 10% $200 \leq T \leq 300^{\circ}\text{C}$
 - 25% $300 \leq T \leq 400^{\circ}\text{C}$

GRADE 60

- Low wear thanks to the high strength of the material
- Made of stainless steel, for safe handling even in marine environments, in food-industry plants or wherever stainless steel is required
- LOAD REDUCTION FACTORS
 - 0% $-40 \leq T \leq 350^{\circ}\text{C}$

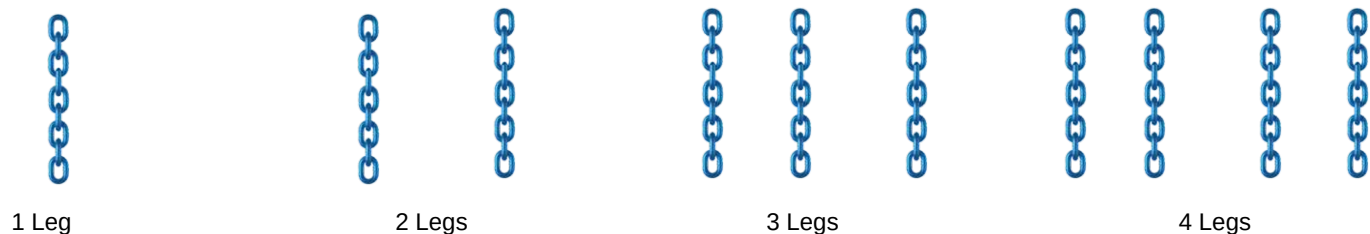
OVERVIEW DIAGRAM FOR BUILDING LIFTING CHAIN SLINGS

RINGS



CARTEC

CHAINS



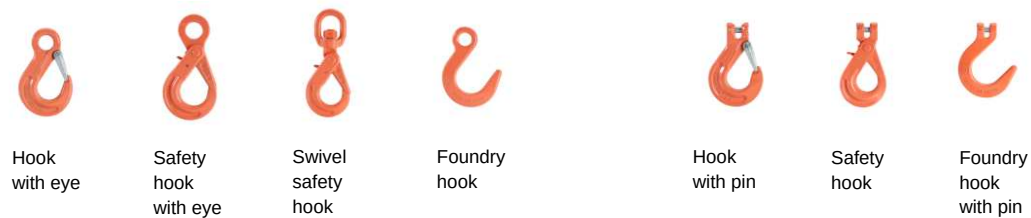
CARTEC

OPTIONAL ACCESSORIES



CARTEC

ACCESSORIES



CARTEC

FITTINGS FOR THE
CONSTRUCTION OF
CHAIN SLINGS

GRADE 100

- MASTER LINK
- HOOK
- SHORTENER
- RINGS
- CHAIN



GRADE 80

- MASTER LINK
- HOOK
- SHORTENER
- RINGS
- CHAIN



GRADE 60 *INOX*

- MASTER LINK
- HOOK
- SHORTENER
- RINGS
- CHAIN



STROPS



WIRE ROPE SLINGS

TEXTILE CORE

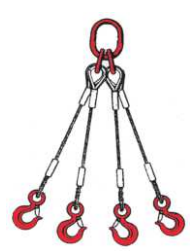
Wire rope slings - eye/hook

	Cap. t	Rope Ø mm
	0.70	8
	1.1	10
	1.6	12
	2.16	14
	2.81	16
	3.56	18
	4.40	20
	5.3	22
	6.30	24
	7.3	26

Wire rope slings - 2 legs

	Cap. t	Rope Ø mm
	0.98	8
	1.54	10
	2.22	12
	3.02	14
	3.93	16
	5	18
	6.15	20
	7.31	22
	8.7	24
	10.21	26

Wire rope slings - 4 legs

	Cap. t	Rope Ø mm
	1.49	8
	2.33	10
	3.36	12
	4.58	14
	5.96	16
	7.56	18
	9.32	20
	11.08	22
	13.18	24
	15.47	26

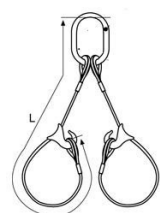
Hand-spliced eye wire rope slings

	Cap. t	Rope Ø mm
	0.7	8
	1	10
	1.5	12
	2	14
	2.64	16
	3.35	18
	4.2	20
	5	22
	6	24
	7	26
	8.2	28
	9.35	30

Wire rope slings - eye/sliding hook

	Cap. t	Rope Ø mm
	0.88	10
	1.27	12
	1.73	14
	2	16
	2.85	18
	3.52	20
	4.18	22

Bell-type wire rope slings with 2 sliding hooks

	Cap. t	Rope Ø mm
	1.23	10
	1.77	12
	2.42	14
	2.8	16
	3.99	18
	4.92	20
	5.85	22

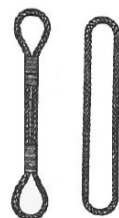
TEXTILE CORE - METAL CORE

Wire rope slings - eye/loop Cylindrical sleeves and cylindrical sleeves

	Cap. t textile core	Cap. t metal core	Rope Ø mm
	0.7	0.8	8
	1.1	1.3	10
	1.6	1.85	12
	2.16	2.73	14
	2.81	3.28	16
	3.56	4.4	18
	4.4	5.5	20
	5.3	6.6	22
	6.3	7.8	24
	7.3	9	26
	8.5	10	28
	10	12	30

Endless slings

14



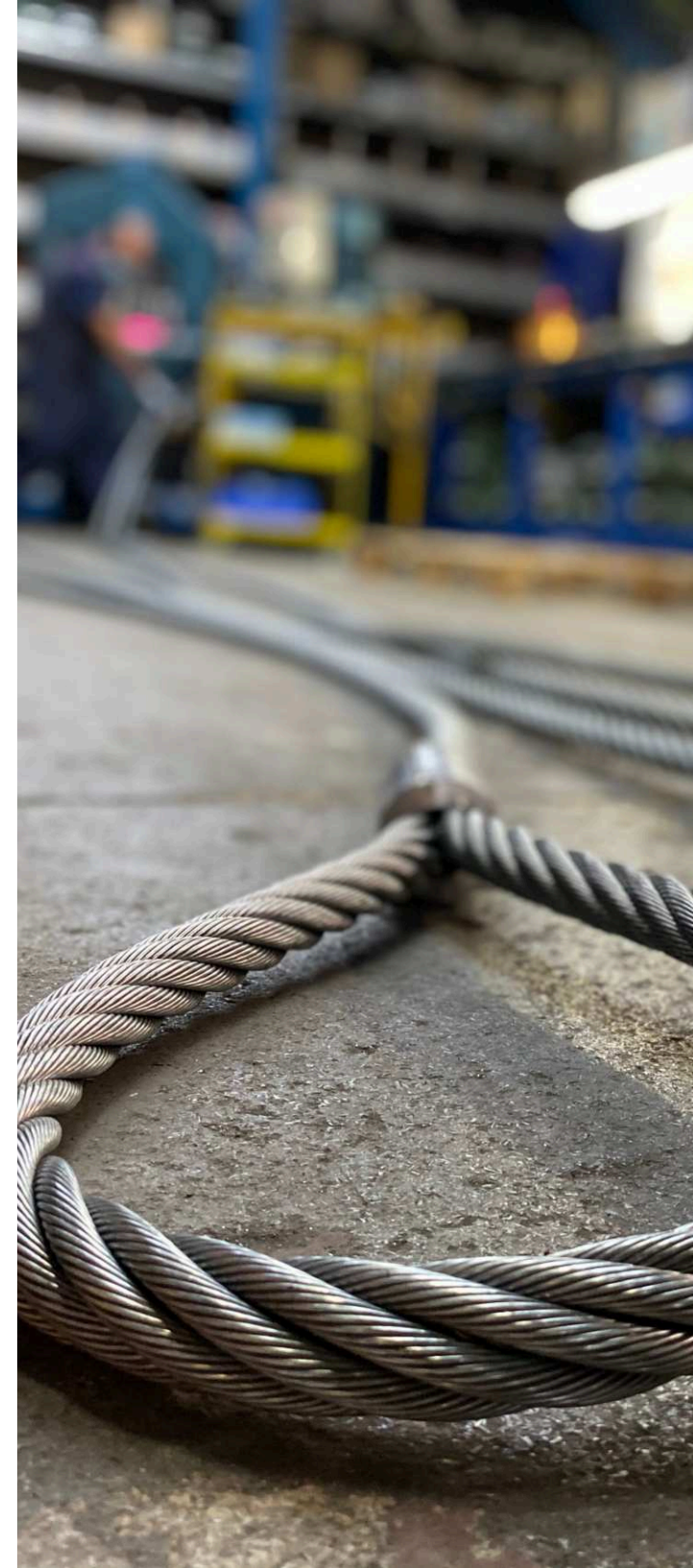
Textile

Cap. t	Rope Ø mm
1.9	12
3	15
4.5	18
6.3	21
8	24
10.4	27
12.8	30
15.3	33
18.6	36
22.2	39
25.3	42

Metal

Cap. t	Rope Ø mm
2.3	12
3.5	15
5.7	18
10.6	24
12.8	30
18.6	36
32.1	42
36.1	45
42	48

Fields of use: CONSTRUCTION MACHINERY CRANES, SHIPBOARD CRANES, SPECIAL INDUSTRIAL APPLICATIONS, QUAYSIDE CRANES



RATCHET CHAIN TENSIONER

JUX currently uses ratchet chain tensioners to secure loads on vehicles, railway wagons and ships.

They must therefore be used for this purpose only and not to lift or tilt loads.

Ratchet chain tensioner eye - eye



up to 16 000 daN

Ratchet chain tensioner with safety hooks



up to 16 000 daN

Lashing system with chain and ratchet tensioner



up to 16 000 daN



POLYESTER ACCESSORIES

- LIFTING SLINGS
- LASHING SYSTEMS
- PROTECTIVE SLEEVES
- STEEL END FITTINGS
- SYNTHETIC FIBRE SLINGS
- PROTEX CUT-RESISTANT SLEEVES
- TRAILERS, ECOSTRAP AND BIG BAGS

When should polyester lifting systems be used?

- For delicate loads or surfaces that could be damaged by steel wire ropes
- Replacing steel wire ropes where the working environment carries a risk of corrosion
- When great flexibility is needed to wrap loads well and keep them stable
- To cushion jerks and shocks from the load, when flexibility is needed
- When a sling that does not conduct electricity is needed.



REGULATORY MARKINGS

Each sling must carry the following information:

- Manufacturer identification
- Webbing material (abbreviation for polyester: PES)
- Nominal length in metres
- Maximum working load
- Traceability code
- CE marking
- Reference standards

INSPECTIONS

Sling inspection is of the utmost importance and must be carried out before each use. Slings must not be used if they show cuts, deformation or obvious signs of deterioration and loss of flexibility. A safety officer must carefully inspect the sling every 3 months. In the event of continuous failures, replace the sling as soon as the outermost layer breaks.

FLAT WEBBING SLINGS

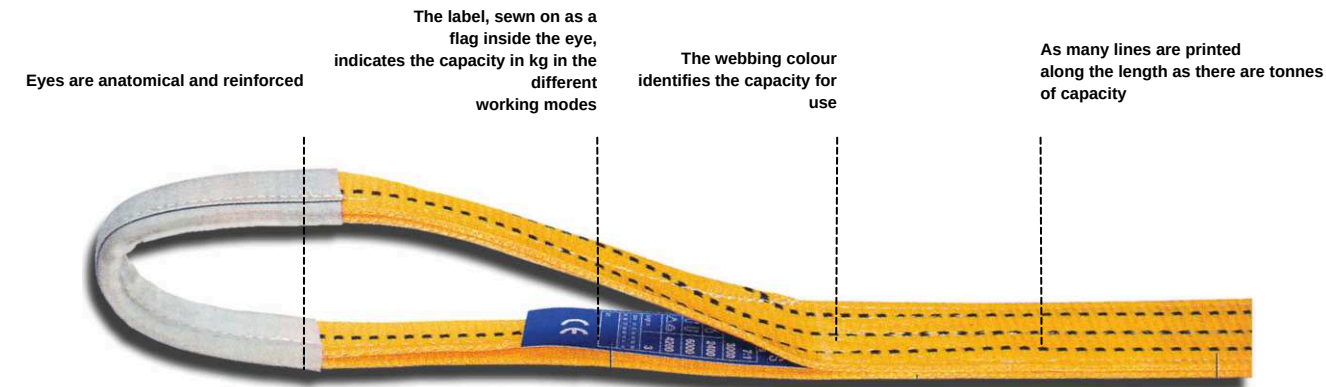
EN 1492-1

SAFETY FACTOR 7:1

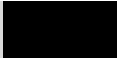
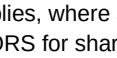
Lifting slings are made to the lengths required by the customer, using continuous lengths of webbing and finished with high-strength stitching.

They are made of double-ply webbing in accordance with current regulations. In addition, their flat and compact shape ensures a perfect fit to the load being lifted.

The sling range covers capacities from 500 kg up to 40 t in the 4-ply version.



CE

Item	Colour	Width mm	Eye opening mm	kg 	kg 	45° kg 	kg 
CE/DN35		35	25	500	1 000	700	400
CE/DV50		50	30	1 000	2 000	1 400	800
CE/DN50		50	30	1 500	3 000	2 100	1 200
CE/DV60		60	30	2 000	4 000	2 800	1 600
CE/DG75		75	40	3 000	6 000	4 200	2 400
CE/DG120		120	50	4 000	8 000	5 600	3 200
CE/DR150		150	50	5 000	10 000	7 000	4 000
CE/DM180		180	60	6 000	12 000	8 400	4 800
CE/DB240		240	70	8 000	16 000	11 200	6 400
CE/DA300		300	70	10 000	20 000	14 000	8 000

*Also available in four plies, where strength is doubled! - CUT-RESISTANT SLEEVES and WEBBING PROTECTORS for sharp edges available

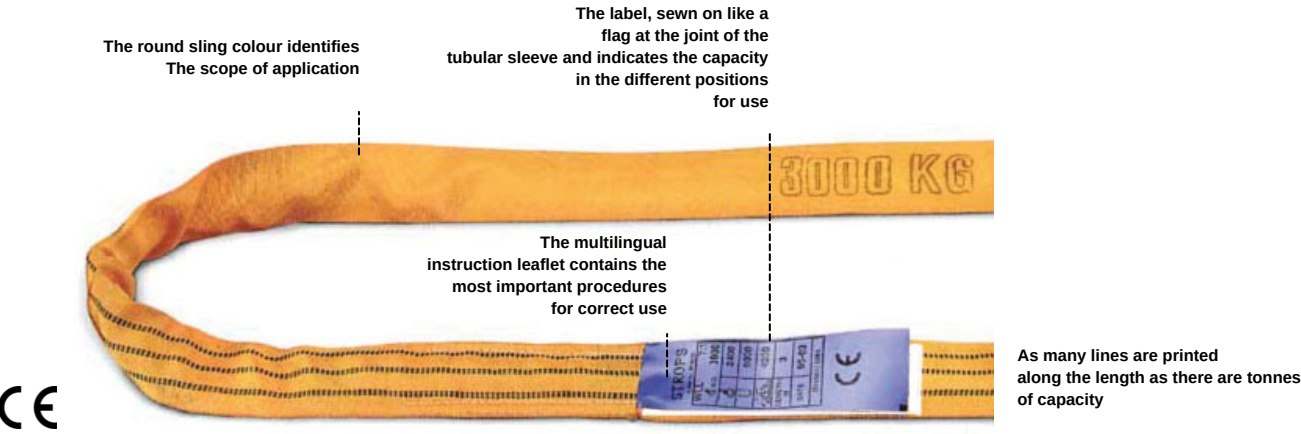


ROUND SLINGS

EN 1492-2

SAFETY FACTOR 7:1

Round slings are made using a slightly twisted skein of yarn as the base material, which is wound continuously until the desired strength is obtained.
The assembly is then covered with a tubular sleeve that allows practical and safe use.
Thanks to this particular manufacturing technique, synthetic-fibre round slings are a functional, safe and easy-to-use lifting system.
The capacity of round slings ranges from 1 000 kg up to 100 t in the BIG version.



Item	Colour	Sling width mm	kg 	kg 	kg 	kg 
CE/FV1000		45	1 000	2 000	1 400	800
CE/FV2000		50	2 000	4 000	2 800	1600
CE/FG3000		55	3 000	6 000	4 200	2400
CE/FG4000		70	4 000	8 000	5 600	3200
CE/FR5000		75	5 000	10 000	7 000	4000
CE/FM6000		85	6 000	12 000	8 400	4600
CE/FB8000		95	8 000	16 000	11 200	6400
CE/FA10000		110	10 000	20 000	14 000	8000



BIG ROUND SLING

EN 1492-2

SAFETY FACTOR 7:1

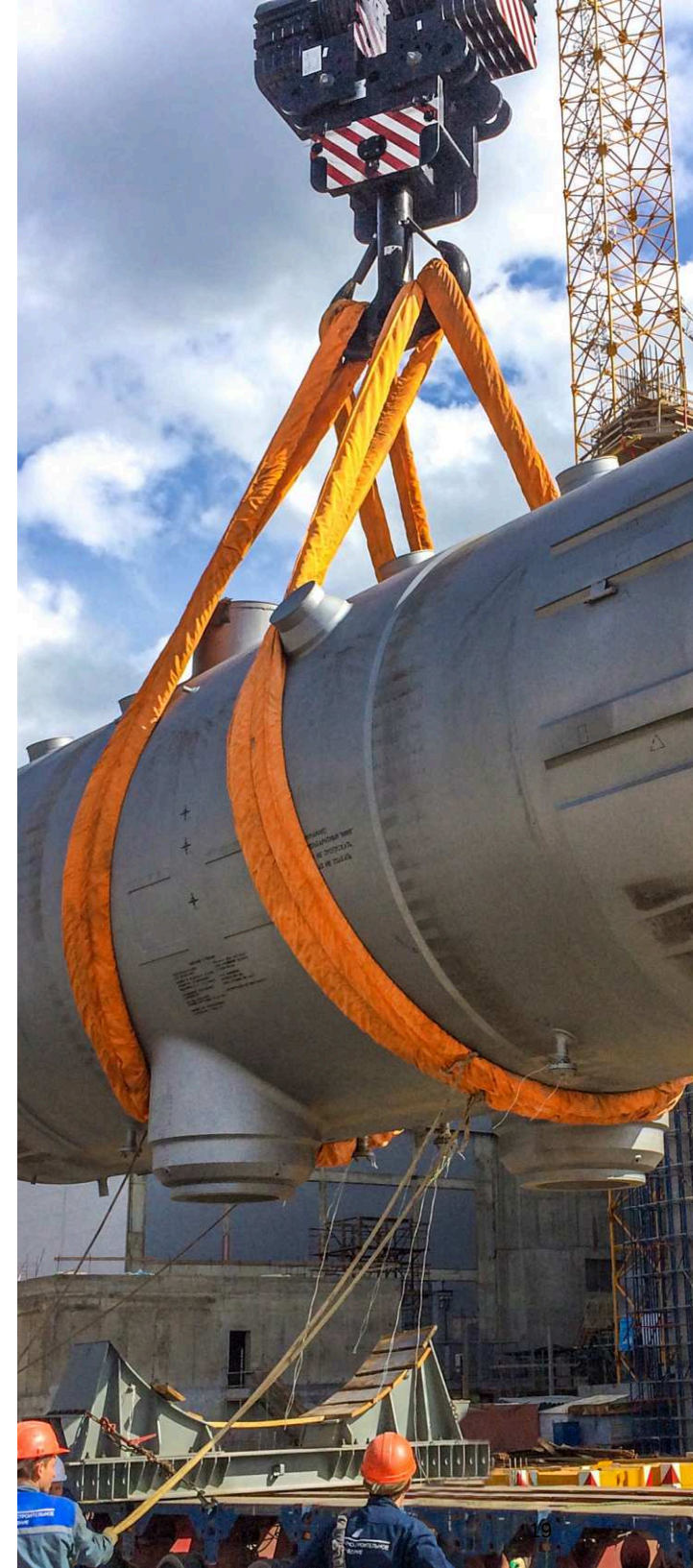
Large round slings are used for lifting particularly heavy objects.

The specific technical characteristics of this type of webbing ensure maximum safety and practicality in use, with working load capacities of up to 200 t.

*DOUBLE SLEEVE



CE



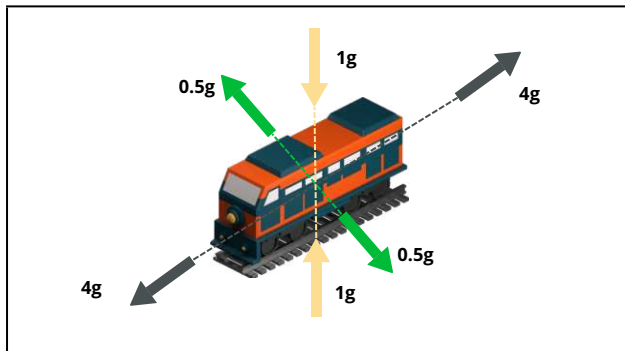
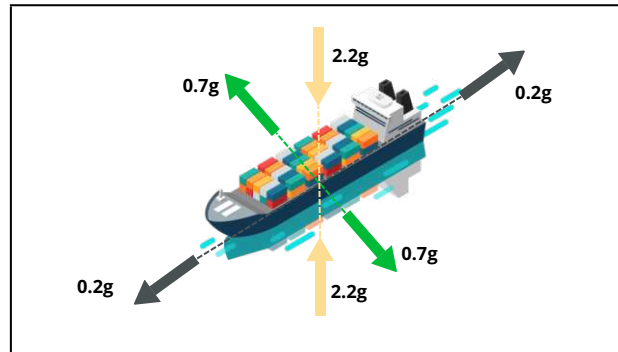
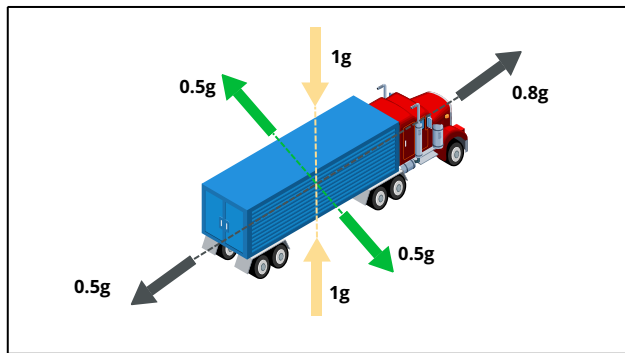
LASHING SYSTEMS

Lashing systems are of fundamental importance for safety when transporting loads. Every carrier must make sure loads are secured according to parameters that take into account the relationship between weight, volume and speed. To choose the most suitable lashing system, the components and indications shown below must be considered:

- SIZE
- SHAPE
- WEIGHT OF THE LOAD CARRIED

WHEN BRAKING, THE FORCE TOWARDS THE CAB IS EQUAL TO 80% OF THE WEIGHT OF THE LOAD CARRIED

WHEN ACCELERATING (BACKWARDS) AND CORNERING (SIDEWAYS), THE FORCE IS HALF THE WEIGHT OF THE LOAD CARRIED



g = Weight of the load

Forces in the direction of movement: acceleration / braking



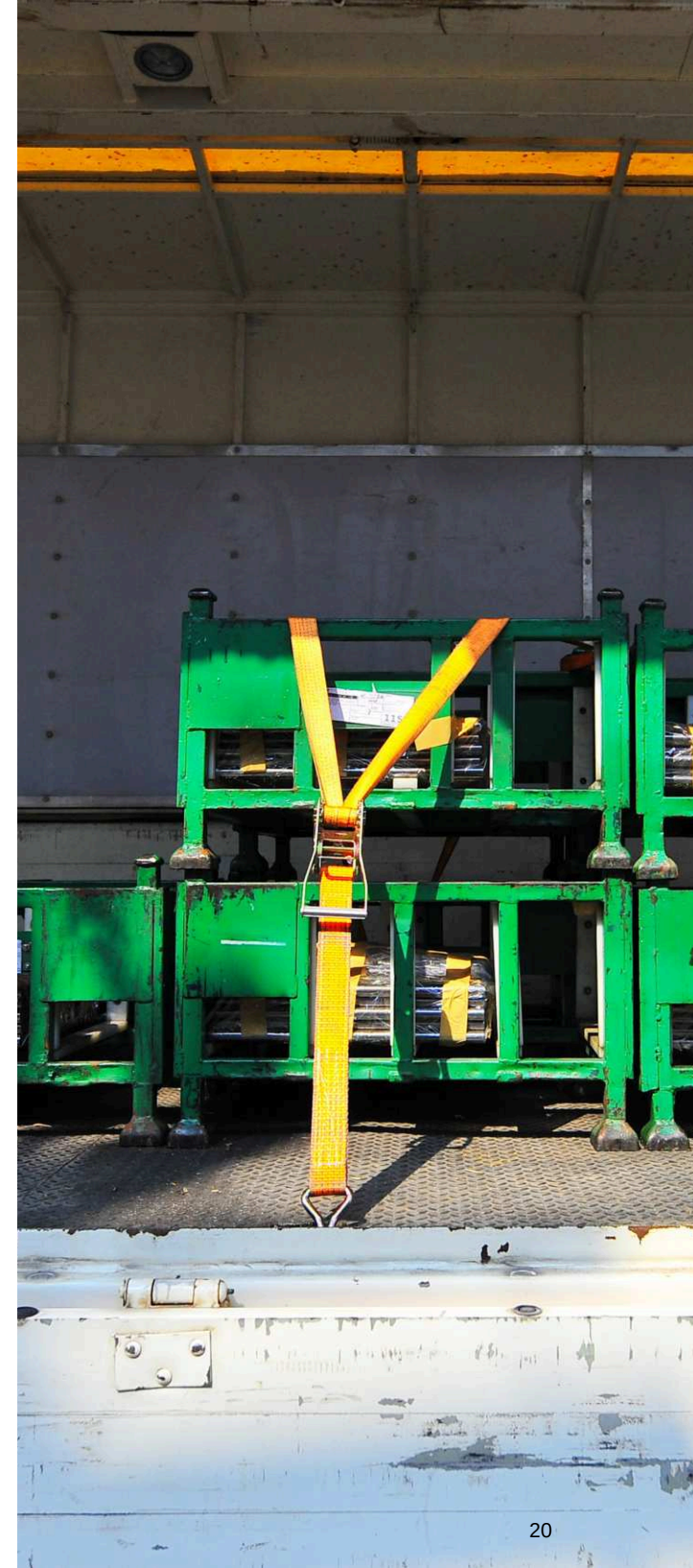
Forces transverse to the direction of movement: cornering



Forces vertical to the direction of movement: jolts.



STROPS



LIGHT LASHING

LC 2.5 kN
Available lengths: 2.5 - 3 - 4 - 5 m
Webbing width 25 mm



LC 6 kN
Available lengths: 5 m
Webbing width 35 mm



LC 10 kN
Available lengths: 5 m
Webbing width 50 mm



LC 8 kN
Available lengths: 4 - 5 - 6 m
Webbing width 25 mm



LC 8 kN
Available lengths: 5 m
Webbing width 30 mm



EN 12195-2

Special lengths available on request



2.5 kN



15 kN



6 kN



2 000 daN



10 kN



8 kN



1 000 daN
2 000 daN



8 kN



LC 15 kN
Available lengths: 5 m
Webbing width 50 mm



LC 2 000 daN
Available lengths: 6 m
Webbing width 35 mm



LC 1 000/2 000 daN
Available lengths: 6 m
Webbing width 35 mm

SINGLE HOOK



DOUBLE HOOK



TRIANGLE



SEWN EYES



HEAVY LASHING

LC 2 000 daN

Available lengths: 6 m
Webbing width 35 mm



ALSO AVAILABLE
LC 1 000/2 000 daN

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



LC 3 000 daN

Available lengths: 6 m
Webbing width 35 mm



ALSO AVAILABLE
LC 1 500/3 000 daN

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



EN 12195-2

*Special lengths available on request

4 000 daN



2 000 daN



2 000 daN
4 000 daN



1 000 daN
2 000 daN



Gradual release



5 000 daN

Gradual release



2 500 daN
5 000 daN

Long handle



5 000 daN

Long handle



2 500 daN
5 000 daN

1 500 daN
3 000 daN



LC 4 000 daN

Available lengths: 8 m
Webbing width 50 mm



ALSO AVAILABLE
LC 2 000/4 000 daN

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



LC 5 000 daN

Available lengths: 8 m
Webbing width 50 mm



ALSO AVAILABLE
LC 2 500/5 000 daN - 9 m

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



LC 5 000 daN

Available lengths: 8 m
Webbing width 50 mm



ALSO AVAILABLE
LC 2 500/5 000 daN - 9 m

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



LC 5 000 daN

Available lengths: 8 m

Webbing width 50 mm



ALSO AVAILABLE

LC 2 500/5 000 daN - 9 m

SINGLE HOOK



DOUBLE HOOK



TRIANGLES



SEWN EYES



LC 10 000 daN

Two other solutions are also available at
Strops for heavier lashings of 10 000 daN



For these lashing systems as well, bidirectional configurations with end fittings are available on request: **single hooks, double hooks, triangles and sewn eyes.**

To these configurations are **added triangles with carabiners and bolt triangles.**



TRIANGLES WITH CARABINER



BOLT TRIANGLES



Ergonomic
Gradual
release
Long
handle

EN 12195-2

● 5 000 daN



Ergonomic
Gradual
release
Long
handle

● 2 500 daN
5 000 daN



● 10 000 daN



● 10 000 daN

*Special lengths available on request

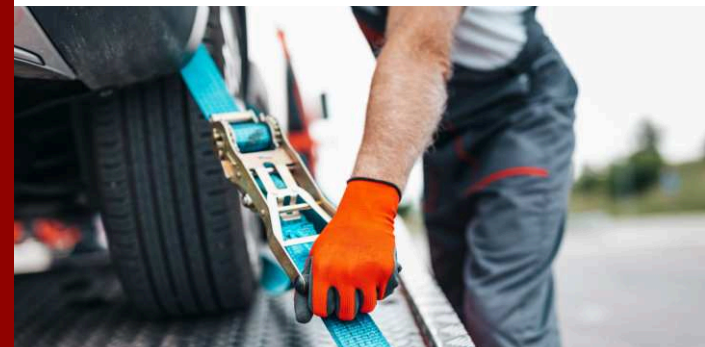


SPECIAL LASHINGS HOBBY LINE - TRAILERS

- LASHING SYSTEMS FOR VEHICLES ON CAR TRANSPORTERS
- LASHING SYSTEMS FOR ROLL CONTAINERS
- LASHING SYSTEMS FOR THE INTERIOR OF VEHICLES
- LASHING SYSTEMS FOR GAS CYLINDERS

HOBBY LINE - CAR TRAILERS

- OFF-ROAD DIVISION
- CAR DIVISION
- MOTORCYCLE DIVISION

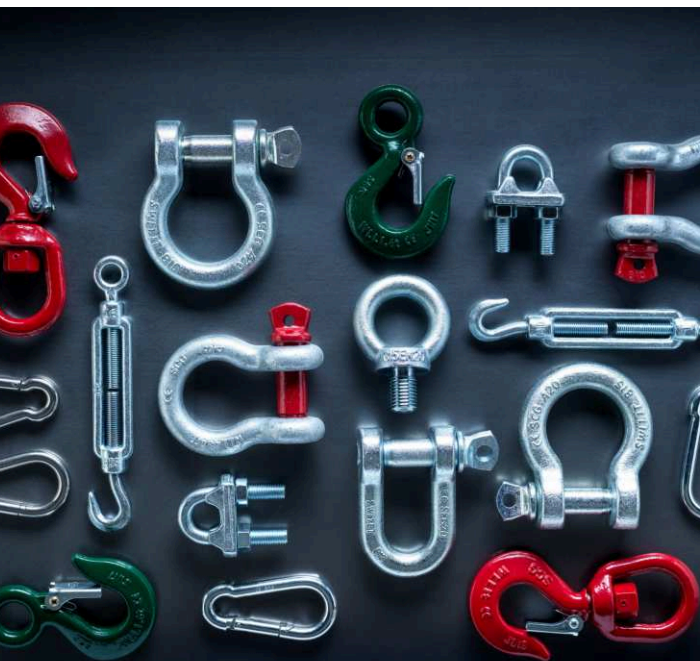


FITTINGS FOR ROPES AND CHAINS - CARFER AND CARFER STAINLESS LINE

A selection of fittings for wire ropes and chains that are suitable, tested, certified and stored in full compliance with current regulations, for both professional and hobbyist customers.

The range is completed with eye bolts, carabiners, turnbuckles, clamps, hooks, thimbles, etc., available in both galvanised steel and stainless steel for any type of application.

CARFER



EYE BOLTS



A055

EYE BOLT
DIN 580
Galvanised - Black steel
C 15 E
from M6 to M100
WLL from 75 kg
up to 40 t



A056

EYE NUT
DIN 582
Galvanised - Black steel
C 15 E
from M6 to M100
WLL from 75 kg
up to 40 t



A553

EYE BOLT
STAINLESS STEEL
DIN 580
AISI 304/316 steel
from M6 to M30
WLL from 75 kg to 3.2 t



A554

EYE NUT
STAINLESS STEEL
DIN 582
AISI 304/316 steel
from M6 to M30
WLL from 75 kg to 3.2 t

SHACKLES



A051

A052

STRAIGHT/OMEGA SHACKLE
WITH SCREW
PIN

High-strength steel
Capacity from 0.33
to 85 t



A053

A054

STRAIGHT/OMEGA SHACKLE
WITH NUT AND
COTTER PIN

High-strength steel
Capacity from 0.5
to 85 t



S46-A46

S47-A47

GALVANISED HOT-FORGED
STRAIGHT SHACKLE/
OMEGA
SHACKLE

Fe 430B steel
SWL from 70 kg
to 16 t for the straight
SWL from 80 kg
to 4.5 t for the omega



A048

A049

STRAIGHT/OMEGA SHACKLE
WITH BOLT

GALVANISED
COMMERCIAL TYPE
Fe 430B steel
SWL from 70 kg to 12.5 t
for the straight model
SWL from 80 kg to 8 t
for the omega model



A521

A522

STAINLESS STEEL
STRAIGHT/OMEGA
PIN
SHACKLE

AISI 304/316 steel
SWL from 50 kg
to 4 t for the straight
SWL from 50 kg
to 3.2 t for the omega

WIRE ROPE CLIPS



A156

A003

A005

A549

A156 GALVANISED U-BOLT WIRE ROPE CLIP
HOT-FORGED

Body: Fe 430B steel

U-bolt: Fe 360B

Wire rope from 4 to 50 mm

A003 U-BOLT WIRE ROPE CLIPS

GALVANISED - DIN 741

Body: cast steel

U-bolt: Steel

Wire rope from 3 to 40 mm

A005 GALVANISED WIRE ROPE CLIP UNE EN 13411-5

Body: cast steel

U-bolt: Steel

Wire rope from 5 to 40 mm

A549 STAINLESS STEEL U-BOLT WIRE ROPE
CLIPS

AISI 316 stainless steel wire rope
from 3 to 32 mm

HOOKS



SAFETY HOOK
WITH EYE
Carbon steel
SWL from 0.8 to 15 t



SAFETY HOOK
WITH EYE
Carbon steel
SWL from 0.8 to 15 t

TURNBUCKLES



A157 A158 A159

HOOK-AND-EYE TURNBUCKLE
WITH TWO EYES
AND TWO HOOKS

Barrel: cast steel
Eyes: Fe 430B
Size from M5 to M24



A160

GALVANISED TURNBUCKLE
WITH TWO JAWS

DIN 1480
Fe 430 B steel
Size M6 to M39
SWL from 230 kg to 7 t



A161

GALVANISED TURNBUCKLE WITH
TWO EYES DIN 1480

Fe 430 B steel
Size M6 to M48
SWL from 225 kg to 16.5 t



A162 A163

GALVANISED TURNBUCKLE
DIN 1480 EYE-HOOK
WITH TWO HOOKS

Fe 430 B steel
Size M6 to M39
SWL from 75 kg to 4.15 t



A501

STAINLESS STEEL
TURNBUCKLE WITH TWO
JAWS

AISI 316 steel
Size M4 to M20



A505

STAINLESS STEEL TURNBUCKLE
WITH TWO WELDED
JAWS

AISI 316 steel
Size from M5 to M20



A508

STAINLESS STEEL TURNBUCKLE
WITH TWO EYES

AISI 316 steel
Size from M5 to M20
SWL from 140 kg to 2.7 t



A509 A510

STAINLESS STEEL EYE/HOOK
TURNBUCKLE WITH WELDED
JAWS AND TWO
EYES

AISI 316 steel
Size from M5 to M20
SWL from 50 kg to 730 kg

VARIOUS



A064 A544

GALVANISED AND STAINLESS
STEEL OVAL LINK Fe 360 B steel
and AISI 316 steel Sizes from 3.5
mm to 12 mm



A068 A530

CARABINER DIN 5299
GALVANISED AND STAINLESS
STEEL
Fe 360 B steel and
AISI 304/316 steel
Sizes from 4X40 mm
to 13X160 mm



A070

SAFETY CARABINER
DIN 5299 GALVANISED
Fe 360 B steel
Sizes from 6X60 mm
to 13X160 mm
SWL from 40 kg to 200 kg



S096 A552

STAINLESS STEEL AND
GALVANISED THIMBLE DIN 6899
Fe 360 B and AISI 316 steel
Size from 2.5 mm to 26 mm
galvanised
Size from 2 mm to 30 mm
for stainless steel

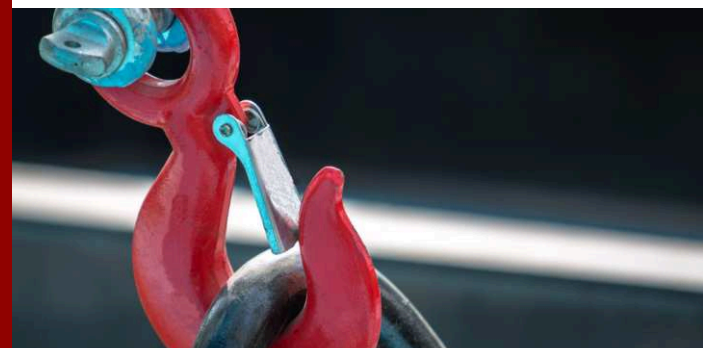


A187B A561

GENOESE CHAIN
GALVANISED AND
STAINLESS STEEL
Fe 360 B and AISI 316 steel
Grade 43
Chain Ø from 2.2 mm to 12 mm
Chain Ø from 2 mm to 10 mm
stainless

The CARFER range is constantly evolving.
All specific requests and possible non-standard
variations are analysed in order to meet the
different application needs. The range is
further completed with two-leg turnbuckles,
galvanised eyebolts and eye slings to UNE
6058.

CARFER



CERTIFIED LIFTING BEAMS

Lifting beams are equipment made up of one or more elements fitted with attachment points to facilitate the handling of loads that require support at several points (clause 3.3 UNE EN 13155:2021).

They are detachable load-lifting equipment that can be mounted directly or indirectly on a hook or any other coupling device of lifting equipment, a hoisting appliance or a manually controlled handling device, without affecting the integrity of the equipment itself (clause 3.11 UNE EN 13155:2021).

Equipment designed for applications that require multi-point attachments.

The different solutions available in the field of lifting beams and spreader beams are presented below.

WHAT YOU NEED TO KNOW ABOUT YOUR LIFTING BEAM

THE MATERIAL TO BE LIFTED

- Weight
- Overall dimensions
- The number of slings to be used to carry out the lift

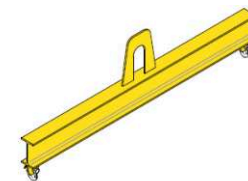
THE OVERHEAD CRANE TO BE USED

- the lifting capacity of the overhead crane
- The model and dimensions of the hook

THE LIFTING BEAM

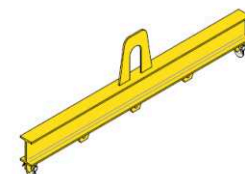
- The lifting capacity of the sling
- Length and overall dimensions
- The type and position of the upper fitting
- The type and position of the lower fittings

FIXED LIFTING BEAM, CENTRE LIFT



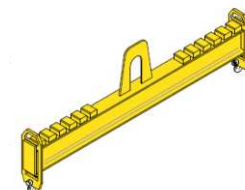
up to 5 t

FIXED MULTIPLE LIFTING BEAM WITH CENTRE LIFT



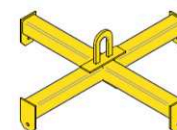
up to 5 t

ADJUSTABLE LIFTING BEAM WITH CENTRE LIFT



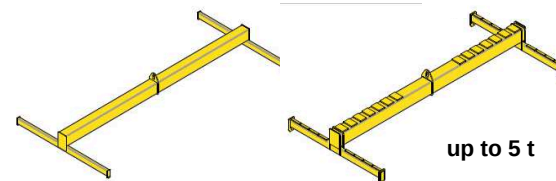
up to 5 t

BIG BAG LIFTING BEAM



up to 5 t

FIXED - ADJUSTABLE H LIFTING BEAM



up to 5 t

CRANE TROLLEYS

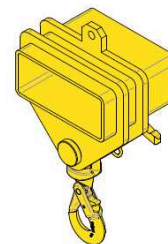
In addition to production for standard uses, blocks are marketed for specific sectors such as naval, offshore, petrochemical, industrial and construction.

These designs are made in compliance with the strictest quality standards prescribed by the reference standards specific to each sector: API, ATEX, ASME, DIN, ISO, UNE, etc.

The range includes direct-pull blocks and blocks for rope.

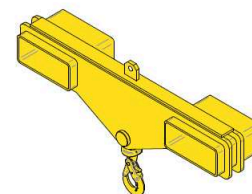


SINGLE CRANE TROLLEY



Capacity
1 to 4 t

DOUBLE CRANE TROLLEY



Capacity
1 to 4 t

PLATE LIFTING CLAMPS

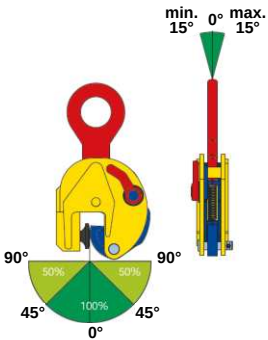
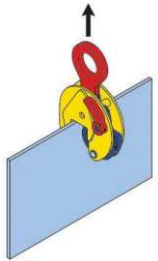
JB clamps are suitable for lifting and handling plates and steel products in a vertical position.

JB clamps are fitted with a safety locking device that holds the clamping jaws in pre-tension, ensuring the plate to be lifted is locked in place and preventing any slipping. During lifting, the clamping force developed by the jaws increases thanks to the weight of the applied load itself.



CLAMP WITH STANDARD FITTING FOR VERTICAL LIFTING

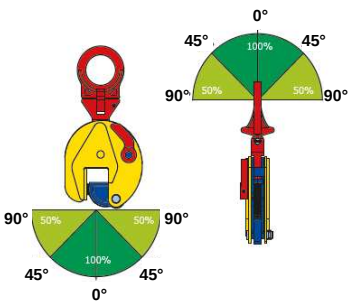
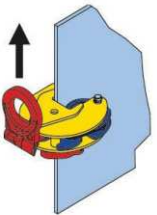
JB



WLL t	Clamp opening mm
0.75	0-13
1	0-25
2	0-35
3	0-35
4.5	0-45
6	0-50
7.5	0-55
9	0-55
12	0-52
15	0-76
20	0-80
25	5-85
30	10-90

CLAMP WITH UNIVERSAL JOINT FOR VERTICAL LIFTING

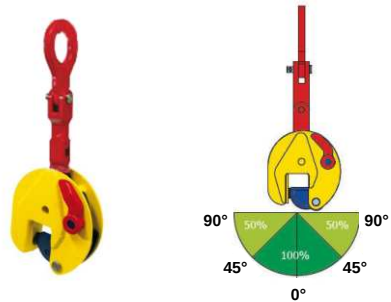
JBU



WLL t	Clamp opening mm
0.75	0-13
1	0-25
2	0-35
3	0-35
4.5	0-45
6	0-50
7.5	0-55
9	0-55
12	0-52
15	0-76
20	0-80
25	5-85
30	10-90

CLAMP WITH CARDAN JOINT FOR VERTICAL LIFTING

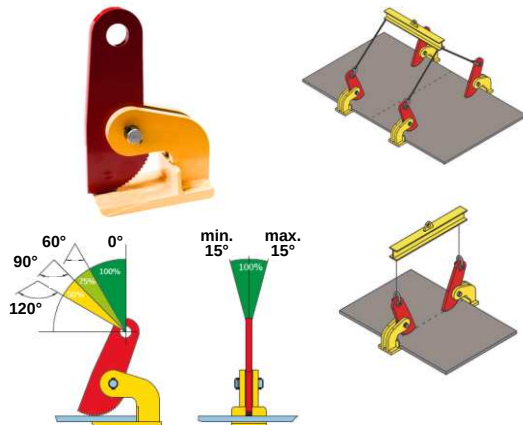
JBS



WLL t	Clamp opening mm
0.75	0-13
1	0-25
2	0-35
3	0-35
4.5	0-45
6	0-50
7.5	0-55
9	0-55

CLAMP FOR HORIZONTAL LIFTING

JBH



WLL t single	WLL t double	Clamp opening mm
0.5	1	0-35
1	2	0-60 and 0-100
2	4	0-60 and 0-100
3	6	0-60 and 0-100
4	8	0-60 and 0-100
5	10	0-60 and 0-100
6	12	0-60 and 0-100
7.5	15	0-60 and 0-150



CLAMPS FOR SPECIAL LIFTING OPERATIONS

- CLAMPS FOR LIFTING DRAINAGE PIPES
- SCISSOR CLAMPS FOR LIFTING ROUND PRODUCTS
- SCISSOR LIFTING CLAMPS FOR LIFTING DELICATE PRODUCTS
- CLAMPS FOR LIFTING AND HANDLING BEAMS AND PROFILES
- UNIVERSAL CLAMPS
- ADJUSTABLE CLAMPS FOR HANDLING SHEET PACKS
- DRUM HANDLING CLAMPS



PERMANENT MAGNETIC LIFTERS

FX magnetic lifters represent the most technologically innovative product in the sector. They are built with an innovative special magnetic circuit: in fact, the high-induction magnets are activated manually by turning the lever through just 90°.

The activation and deactivation phases of the system are carried out smoothly at the lever to ensure perfectly ergonomic use.

The large inner billet-steel rotor turns on special ball bearings; the segment-shaped neodymium magnets, applied to the rotor surface, deliver maximum magnetic output without dispersion of the magnetic flux.

The unique design and the drastic reduction of internal air gaps ensure higher performance, reducing costs and safeguarding the environment. A wide range of products always available, designed for all handling needs.

- compliant with the standards and tested to EN 13155 / Machinery Directive 2006/42/EC
- Multilingual documentation 3-year warranty
- Safety factor 1 : 3.5 times the rated capacity stated on the rating plate
- Spare parts availability guaranteed for 10 years
- CAD and 3D drawings available
- Anti-corrosion treatment Lifter body 100% nickel-plated
- Neodymium magnets High-energy iron Boron
- 90° lever rotation for immediate magnet grip on the load
- Large forged lifting ring (SF5) Reduction in loading and unloading times
- One-handed operation with no kickback
- Suitable for workpieces to be lifted with flat and round surfaces and profiles



- MAGNETIC LIFTERS FOR ROUND BAR
- MAGNETIC LIFTERS FOR THIN MATERIAL
- MAGNETIC LIFTERS FOR BEAMS, PROFILES AND HIGH TEMPERATURES



CHAIN HOISTS

Chain hoists are light, safe and easy to install and use.
They are manufactured in accordance with current European safety regulations.

- The body is made of steel and a sturdy metal housing protects the gears from impacts and dirt
- The load chain is made of high-strength steel, subjected to calibration, heat treatment and electro-galvanised finishing, and is also calibrated and chrome-plated
- The grooved wheel is protected by a spaced metal cover so that no twisting is possible, and is fitted with a double safety latch
- Both the fixing hook and the lifting hook are swivelling

Maximum chain length 12 m. Where hoists with a chain length of more than 12 metres are installed, their capacity will be derated to the next lower capacity

Capacity (t)	0.5	1	1.5	2	3	5	7.5	10
Std. lift height (m)	3	3	3	3	3	3	3	3
No. of chain falls	1	1	1	2	2	2	3	4
Chain Ø (mm)	5x15	6x18	8x24	6x18	8x24	10x30	10x30	10x30
Weight (kg)	7	10.5	15.5	17	23	39	52	69
Additional weight per extra metre of chain (kg)	1.5	1.8	2	2.7	3.2	5.3	7.3	9.8

CAPACITY REDUCTION

Lift height	12<H≤15	15<H≤18	18<H≤21	21<H≤24	24<H≤50
Reduction coefficient (t) Q _e	0.9Q _e	0.8Q _e	0.7Q _e	0.6Q _e	0.5Q _e

BIG CHAIN HOISTS



Capacity (t)	12	15	20	30	50
Std. lift height (m)	3	3	3	3	3
No. of chain falls	4	6	8	12	22
Chain Ø (mm)	10x30	10x30	10x30	10x30	10x30
Weight (kg)	80	125	162	228	1085
Additional weight per extra metre of chain (kg)	9.8	14.2	19.6	28.3	50



LEVER HOISTS

Lever hoists are compact, light and versatile.
They are the ideal portable tool for lifting and pulling operations.

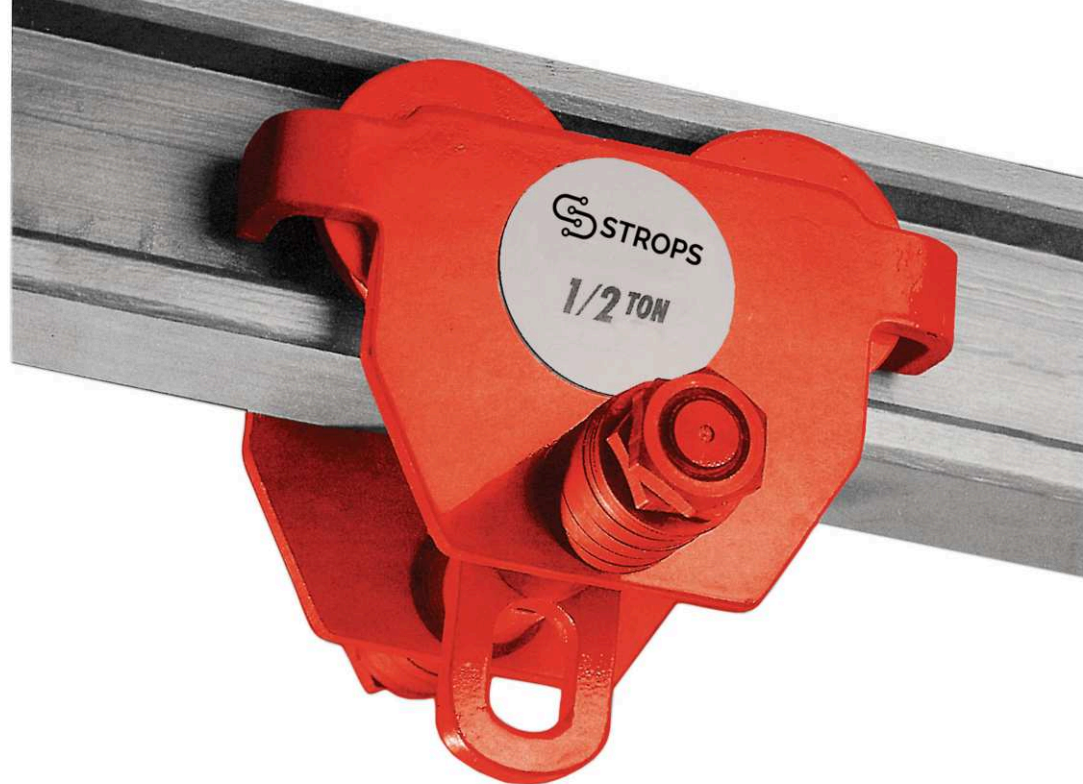
Usable in any position, they offer high lifting capacities and require minimal effort. They are built in accordance with current European safety regulations.

Capacity (t)	0.25	0.5	0.75	1	1.5	2	3	6	9
Std. lift height (m)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
No. of chain falls	1	1	1	1	1	1	1	2	3
Chain Ø (mm)	4x12	5x15	6x18	6x18	7x21	8x24	10x30	10x30	10x30
Weight (kg)	1.8	2.6	7.7	8	12	13	21	32	47
Additional weight per extra metre of chain (kg)	0.22	0.37	0.8	0.8	1.4	1.4	2.2	4.4	6.6



TROLLEYS AND CLAMPS FOR HOISTS

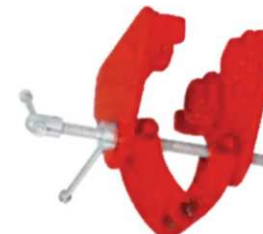
- Sturdy construction with low weight
- Mounted on ball bearings for easy and precise running
- Easily adaptable to a wide range of beams
- Ideal for manual and electric hoists



Code	Capacity	Beam adjustment	Minimum bend radius	Weight
	kg	mm	m	kg
WL/0500T	500	64÷140	0.8	5
WL/1000T	1000	64÷152	1	8
WL/2000T	2000	76÷165	1.1	13
WL/3000T	3000	76÷203	1.3	22
WL/5000T	5000	88÷203	1.4	55
WL/10000T	10000	122÷203	2	83
WL/20000T	20000	136÷203	3.5	235

ALSO AVAILABLE

- Beam trolleys with chain travel
- Quick-adjust beam clamps
- Beam lifting clamps



FALL PREVENTION

A continuously developing product range divided into the following main product families:

WORK POSITIONING BELTS

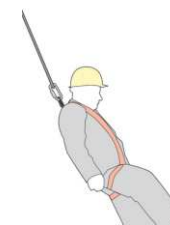
- Complete work positioning belts with positioning straps, connecting carabiners and safety carabiners
- Spare parts, connectors, lanyards, connecting straps compliant with standards EN 354:2010 - EN 358:2010

FALL ARREST HARNESSSES for use up to 140 kg

- Dorsal anchor point
- Dorsal-sternal attachment points
- Dorsal - sternal - ventral attachment points

FALL ARREST DEVICES

- on flexible line
- on retractable braided rope



DORSAL



DORSAL
STERNAL



DORSAL
STERNAL
VENTRAL



WEIGHING SYSTEMS

PORTABLE CRANE SCALES

- OMEGA/MINI Portable direct reading
- Load capacity up to 300 kg

ELECTRONIC TRIPLE-RANGE

CRANE SCALES Complete with remote control - direct reading, approved on request for legal use

- Capacity OMEGA/TRIPLE kg 1 500
- Capacity OMEGA/TRIPLE kg 3 500
- Capacity OMEGA/TRIPLE kg 6 000
- Capacity OMEGA/TRIPLE kg 10 000

PROFESSIONAL ELECTRONIC CRANE SCALES

Complete with infrared remote control - top shackle and bottom hook - battery charger - direct reading approved on request for legal use

- OMEGA/DIN Capacity up to 1 500 kg
- OMEGA/DIN Capacity up to 50 t
- OMEGA/HARD Capacity up to 25 t



PALLET TRUCK

- PALLET TRUCK WITH INTEGRATED WEIGHING
2 000 kg - 4 load cells
- PALLET TRUCK WITH INTEGRATED WEIGHING
TRIPLE RANGE 2 000 kg - 4 load cells
removable rechargeable battery

TRIPLE-RANGE PALLET SCALE FRAMES

MOBILE WEIGHING FRAMES

- FORKLIFT FORKS

SCALE

- PRECISION POCKET SCALES
Capacity from 500 g to 5 kg
- TECHNICAL SCALES FOR OFFICES AND
LABORATORIES Load capacity from 1.5 to 6 kg
- MULTI-PURPOSE BENCH AND/OR FLOOR
SCALES Load capacity from 6 to 150 kg
- COUNTING SCALE
Load capacity from 6 to 30 kg

ELECTRONIC WEIGHING PLATFORMS

- COMPLETE SINGLE-COLUMN PLATFORMS
Capacity from 6 to 600 kg
- PLATFORMS WITH SIDE RAILS
COMPLETE WITH RAMPS
Capacity from 600 to 2 000 kg

HEAVY TRANSPORT

TRANSPORT TROLLEYS

- **TPV TRANSPORT SYSTEM from 4 to 36 t.**
They can be used in pairs and connected to each other by means of a spacer bar. Consists of drawbar and trolley.
- **TPE TRANSPORT SYSTEM from 8 to 24 t.**
Range consisting of drawbar and trolley which, by means of small stops, can be connected to others. Trolleys of the same size to obtain the desired working capacity
- **TPR TRANSPORT SYSTEM from 20 to 60 t.**
They are completely different from the custom models that move on steel roller tracks. This system allows very heavy weights of up to 60 t to be handled.



LIFTING JACKS

HYDRAULIC JACKS AND LIFTERS

- **GEARED MECHANICAL JACK** Capacity from 1.5 to 20 t.
- **MECHANICAL JACKS WITH HIGH-SPEED GEAR AND LOW-LIFTING TOE** Capacity from 1.5 to 10 t.
- **HYDRAULIC JACK** from 5 to 25 t.
- **HYDRAULIC BOTTLE JACKS**
- **TOOL TROLLEYS**
- **HYDRAULIC LIFTERS WITH LOW-LIFTING TOE**





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