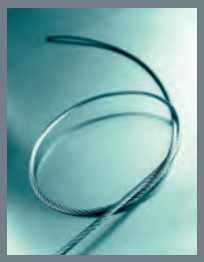
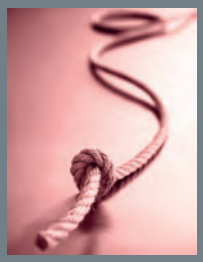
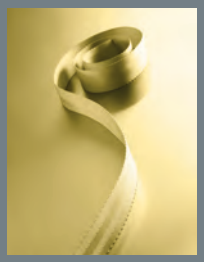
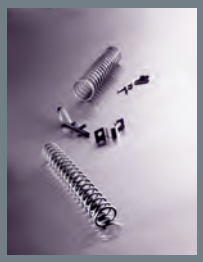
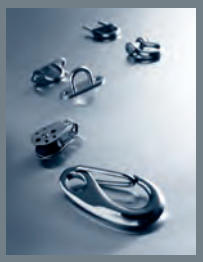
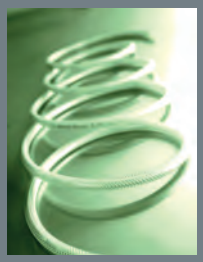
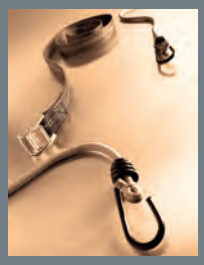
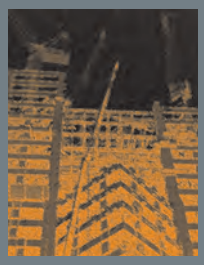
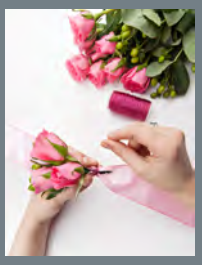
CATALOG GENERAL

CHAPUIS

LE LIEN QUI VOUS LIBÈRE L'ESPRIT

Présentation of the Company

CHAPUIS is specialised in trade and packaging of hardware items intended for the DIY-market.

History

1904

CHAPUIS was founded by Jules Chapuis.

Located in the Plancher-Bas mining valley (Haute-Saône), it used to produce watch squares.

Its activity rapidly diversified to the production of chains and other metal accessories.

1938

CHAPUIS developed chain production, proposing many different models.

1992

CHAPUIS turned towards trading and service to meet customers' requirements.

2003

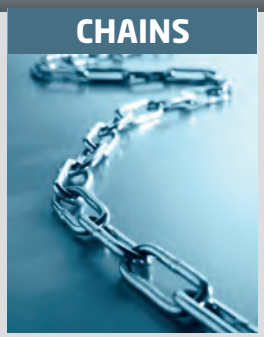
A new factory was built to enable the company to develop.

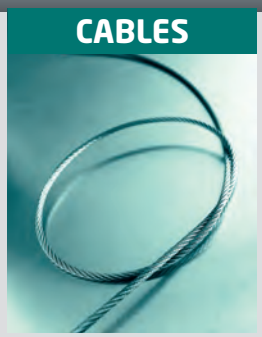
This new facility, again in Plancher-Bas, provides CHAPUIS with 6 300 m² warehouse space and 700 m² office space.

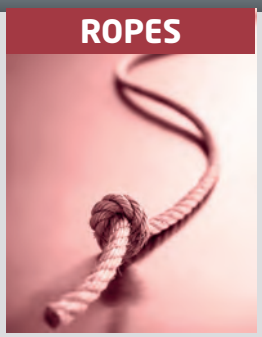
Our products

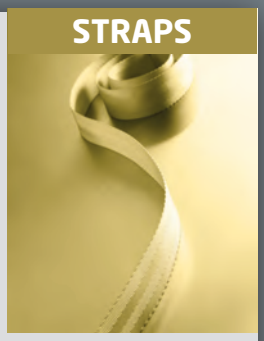
We have a complete range of products

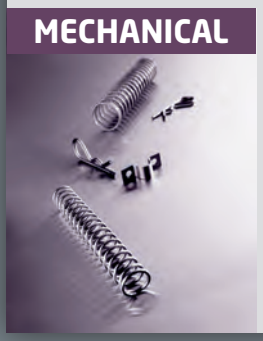
Hardware supplies

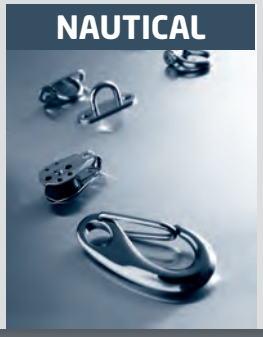


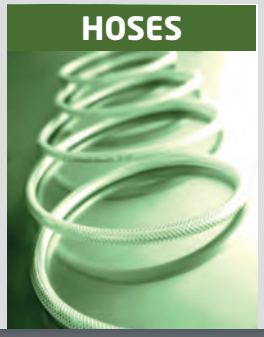


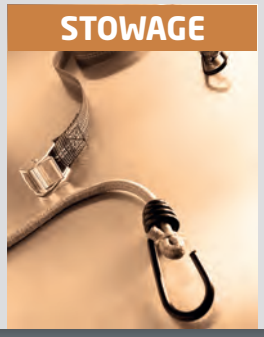


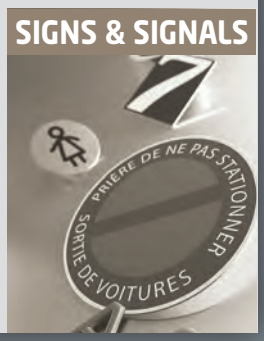




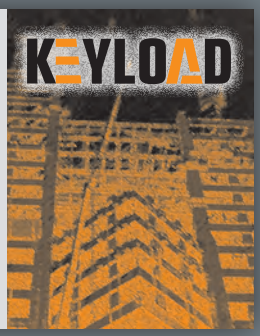






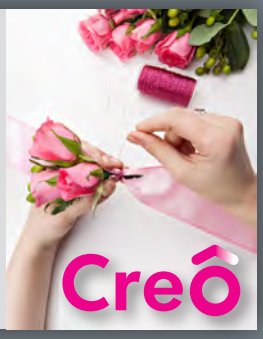


Lifting & Handling



Pet products

Creative world



Our partners

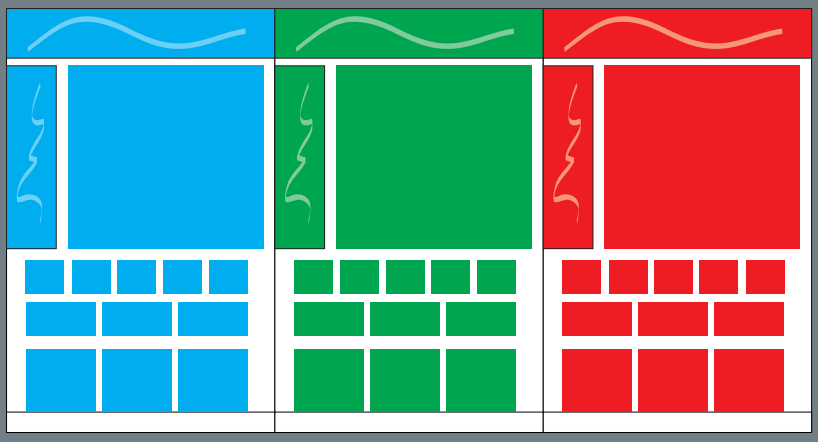
VELCRO®
Hook-and-loops

HandiRack®
The ultimate in convenience roofracks

VITILITY
We make your life easier

Merchandising

Optimisation, Valorisation...



> When developing shelf layouts, we look for products with the best stock turn through range selection and segmentation to best comply with customers' need.

> Designed by CHAPUIS, the displays can be adjusted to different existing structures.

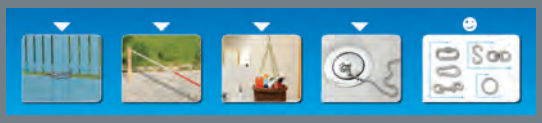
Clearness, Optimisation, Environmental protection...

> CHAPUIS packaging has been designed for a better product presentation.

> Maximum product information enables a quick and easy identification (colour code, drawings, pictograms...).

> The selection of new packaging and material enable shelf-space optimisation and protection of the environment.

Segmentation, Information, Highlight...



> Point of sale information includes several mediums (front panels, kakemonos, leaflets) which enables a clear shelf-space segmentation providing customer information at the same time.

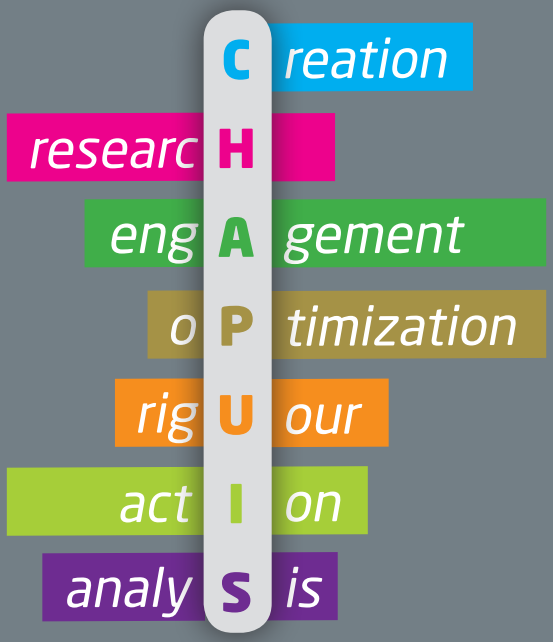
> Point of sale advertising : Its aim is to advertise a product in different ways (displays, promotion boxes, interactive tactile screens) in order to attract people's attention.

Marketing

Research, Strategy, Actions...

> Marketing department works in close cooperation with its partners in order to develop new concepts.

> To better meet customers' expectations, CHAPUIS has a range of more than 3 000 products available on stock. This permanent availability stands for real reactivity.



Our strengths

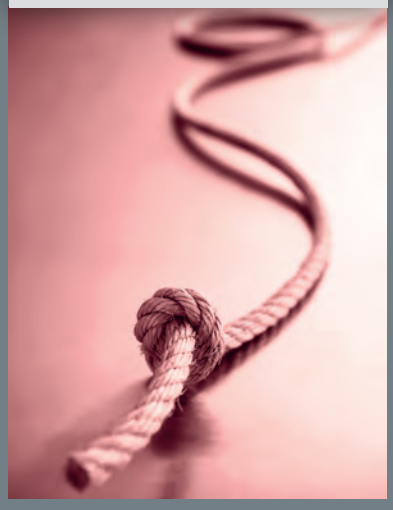
> **Complete range of products.**
> **A dynamic commercial animation plan.**
> **Regular commercial folow-up.**
> **Turnkey setting up and re-setting up.**
> **An efficient logistics.**
> **The best possible service.**

Chains & Ropes

CHAINS P. 8

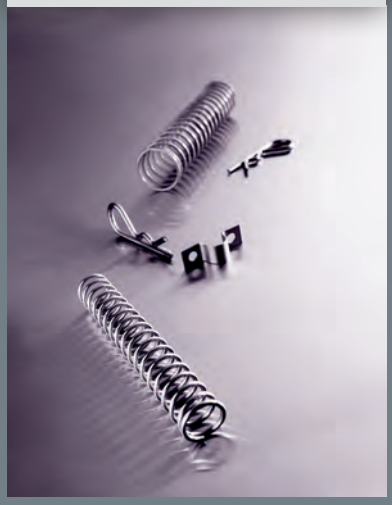
CABLES & WIRES P. 42

ROPES P. 64



STRAPS P. 96

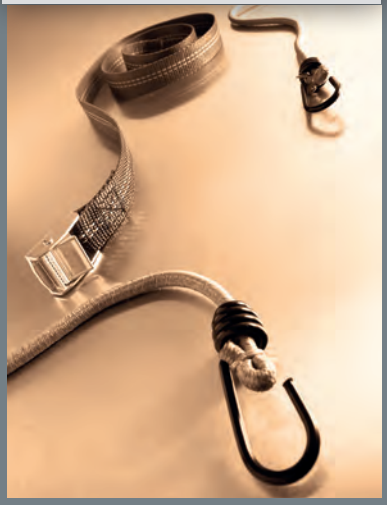
MECHANICAL ACCESSORIES P. 112



FLEXIBLE HOSES P. 122

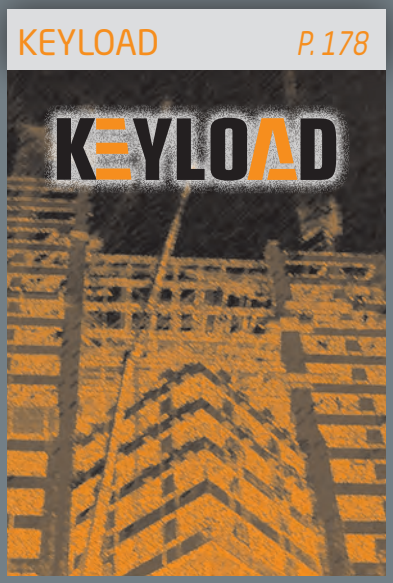
BOATING & LEISURE P. 128

STOWAGE P. 144

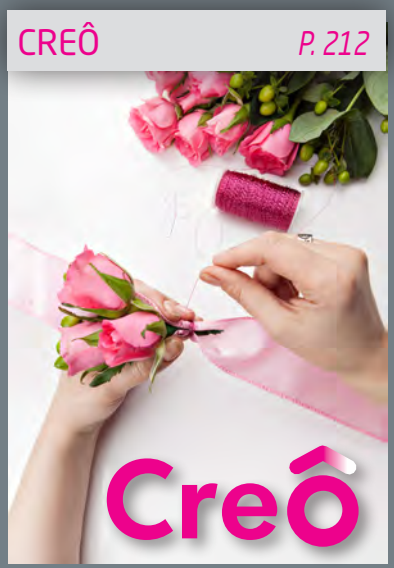


SIGNS & SIGNALS P. 164

Lifting & Handling



Creative leisure activities



SUMMARY

CHANS & ROPES

CHAINS _____ P. 8 à 41

CABLES & WIRES _____ P. 42 à 63

ROPES & THREADS _____ P. 64 à 95

STRAPS _____ P. 96 à 110

MECHANICAL ACCESSORIES ____ P. 112 à 121

FLEXIBLE HOSES _____ P. 122 à 127

BOATING & LEISURE _____ P. 128 à 143

STOWAGE _____ P. 144 à 163

SIGN & SIGNALS _____ P. 164 à 176

LIFTING & HANDLING

KEYLOAD _____ P. 178 à 210

CREATIVE WORLD

CREO _____ P. 212 à 226

CHAINS

Welded chains	**P 12-15**
Unwelded chains	**P 16-18**
Chandelier chains	**P 19-20**
Chaînes de signalisation	**P 21**
Signalling chains	**P 22**
Chains for cattle	**P 23**
Accessories	**P 24-41**

CHOOSING A CHAIN

SECURING >

WELDED CHAINS	WORKING LOAD	Ø WIRE	MATERIAL & FINISH
Straigh DIN 5685C	20 to 620 kg	2 to 10 mm	Steel
Short chain straigh	20 to 625 kg		
DIN 766	250 to 900 kg		Zinc plated
Cable type straigh	24 to 100 kg		Stainless steel AISI 304
Twist	24 to 225 kg		Hot galvanized
Specific points and uses : resistant, for heavy duty work.			

FASTENING >

UNWELDED CHAINS	WORKING LOAD	Ø WIRE	MATERIAL & FINISH
Double twist	2 to 21 kg	1,1 to 4,5 mm	Steel
"Victor" knot	30 to 120 kg		Nickel plated
Venetian			Zinc plated
Cuckoo	4 and 8 kg		Brass plated
Curb	9 to 18 kg		
			Brass
Ball	8 and 10 kg	2,5 to 4,5 mm	Chrome plated
Cut	6 and 12 kg		Polished
Specific points and uses : light, supple and sturdy, use for hanging and fastening.			

DECORATE >

CHANDELIER CHAINS	WORKING LOAD	Ø WIRE	STEEL
Figaro link, round wire	5 to 10 kg	2 to 5 mm	Brass plated
Figaro link, twisted wire	10 to 16 kg		Brass sheen
Figaro link, beaten wire	8 to 32 kg		Epoxy
Cathedral style link, square wire	10 to 18 kg		Bronze plated
Oval link, round wire	10 to 14 kg		Black
DECORATIVE CHAINS			
Cable	24 to 56 kg	2 to 3 mm	Brass plated
Twist	24 to 36 kg		
Specific points and uses : aesthetically pleasing, they provide a wide variety of shapes and finishes.			

SIGNPOSTING >

SIGNPOSTING CHAINS	Ø WIRE	MATERIAL & FINISH
White	2 to 10 mm	Plastic
Red/white		
Green/white		
Yellow/black		
Black		
Fluorescent : red/white		
Specific points and uses : demarcation, safety, protection.		

SURFACE TREATMENT

The most common surface treatments such as zinc, nickel, chrome and brass plating and hot galvanization are both a decorative feature and a mechanical improvement :

- Better stability over time and better corrosion resistance.
- However, it is important to explain that these coatings are not an absolute guarantee of corrosion protection. Only stainless steel can guarantee this.

USE

Welded chains, some of our most popular, are primarily used to hang panels and ceiling panels, for door fittings, door chains, pet leashes and nautical use (boat mooring).

Non-welded chains, both practical and decorative, are used to hang lights, frames, and paintings, for clockwork, modeling and leatherwork.

Signposting chains, available in different colours.

QUALITY

The chains available in our range are subject to :

- continuous rigorous testing during manufacture,
- electronic weld tests,
- a test every five links for resistance and surface treatment :
  - Hot-galvanized chains: testing according to the standard ISO 1461,
  - electrolyte zinc-plated chains: saline fog testing according to the norm UNI/ISO 4520.

SAFETY

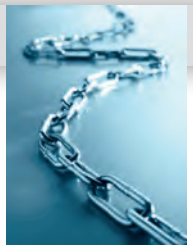
The resistances listed in our catalog correspond to the Working Load. They take into account a Safety Coefficient (S.C.) which indicates the distance between the Working Load (W.L.) and the Breaking Point (B.P.)

$$W.L. = \frac{B.P.}{5}$$

The chains and accessories in our range must not be used for industrial or personnel lifting. These types of chains are subject to other standards and constraints.

CAPTION

m	Lenght in meter
ø mm	Wire diameter in millimeter
mm	Lenght of link in millimeter
kg/daN	Indicative working load in kilogram
	Reel type
	Colours
ø mm	Diameter of the ball in millimeter
F	Finish
xP	Number of pieces
ø mm	Interior diameter in millimeter
ø mm	Wire diameter in millimeter
mm	Lenght in millimeter
ø mm	Wire diameter in millimeter
mm	Lenght in millimeter
mm	Opening in millimeter
ø mm	Swivel diameter in millimeter



SECURING > Welded straight chains

"Forçat"

Steel

Reel	m	ø mm	kg/daN		F	Gencod
BF1	25	2,0	24	M1	zinc plated	3 233690 021520
BF2	25	2,5	36	M	zinc plated	3 233690 021612
BF3	25	3,0	56	M	zinc plated	3 233690 021650
BF5	25	4,0	100	M	zinc plated	3 233690 021681

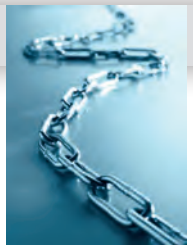
Bundle	m	ø mm	kg/daN	F	Gencod
990/20X75N	25	2,0	24	nickel plated	3 233690 019251
990/20X75Z	25	2,0	24	zinc plated	3 233690 019275

"Long link"
DIN 5685 C

Zing plated steel

Reel	m	ø mm	kg/daN		Gencod
BO25	25	2,5	30	M	3 233690 022299
BO30	25	3,0	55	M	3 233690 022329
BO35	25	3,5	75	M	3 233690 022336
BO1	25	4,0	100	M	3 233690 022275
BO2	25	4,5	125	G1	3 233690 022282
BO3	25	5,0	165	G1	3 233690 022305
BO4	25	6,0	225	G2	3 233690 022343
BO70	25	7,0	300	G2	3 233690 022374
BO5	12	8,0	400	G2	3 233690 022350
BO6	10	10,0	620	G2	3 233690 022367

Cardboard	m	ø mm	kg/daN	Gencod
LVBO25	2,50	2,5	30	3 233690 237877
LVBO30	2,50	3,0	55	3 233690 237884
LVBO35	2,50	3,5	75	3 233690 237891
LVBO62	2,00	10,0	620	3 233690 223900



SECURING > Welded straight chains

"Long link" DIN 5685 C

Zinc plated steel

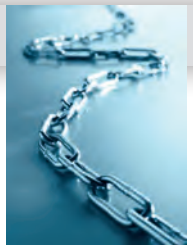
Pail	m	ø mm	kg/daN	Gencod
TBO30	150	3,0	55	3 233690 076872
TBO1	100	4,0	100	3 233690 076889
TBO3	60	5,0	165	3 233690 076896
TBO4	40	6,0	225	3 233690 076902
TBO5	25	8,0	400	3 233690 076919
TBO6	15	10,0	620	3 233690 086444

Bundle	m	ø mm	kg/daN	Gencod
995/2,5MMZ	25	2,5	30	3 233690 032809
995/3MMZ	25	3,0	55	3 233690 032823
995/4MMZ	25	4,0	100	3 233690 019688
995/5MMZ	25	5,0	165	3 233690 019701
995/6MMZ	25	6,0	225	3 233690 019725
995/7MMZ	25	7,0	300	3 233690 032861
995/8MMZ	12	8,0	400	3 233690 019749
995/12MMZ	10	12,0	900	3 233690 097457

"Long link" DIN 5685 C

Epoxy steel

Reel	m	ø mm		kg/daN		Gencod
BO3N	25	5,0	●	165	G1	3 233690 051060



SECURING > Welded straight chains

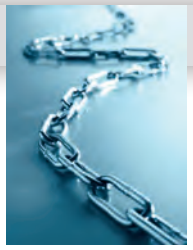
"Short link"

Reel	m	ø mm	kg/daN		Gencod
BS1	25	2,0	20	M1	3 233690 022565
BS2	25	2,5	30	M	3 233690 022572
BS3	25	3,0	55	M	3 233690 022589
BS4	25	3,5	75	M	3 233690 022596
BS5	25	4,0	100	M	3 233690 022602
BS6	25	5,0	165	G1	3 233690 022619
BS7	25	6,0	225	G2	3 233690 022626
BS8	12	8,0	400	G2	3 233690 022640
BS9	10	10,0	625	G2	3 233690 022664

Cardboard	m	ø mm	kg/daN	Gencod
LVBS1	2,50	2,0	20	3 233690 237907
LVBS2	2,50	2,5	30	3 233690 237914
LVBS3	2,50	3,0	55	3 233690 237921
LVBS4	2,50	3,5	75	3 233690 237938

Pail	m	ø mm	kg/daN	Gencod
TBS3	150	3,0	55	3 233690 076810
TBS5	100	4,0	100	3 233690 076827
TBS6	60	5,0	165	3 233690 076834
TBS7	40	6,0	225	3 233690 076841
TBS8	25	8,0	400	3 233690 076858
TBS9	15	10,0	625	3 233690 076865

Zinc plated steel



"Short like"

Zinc plated steel

Bundle	m	ø mm	kg/daN	Gencod
996/2MMZ	25	2,0	20	3 233690 032885

Twist

Zinc plated steel

Reel	m	ø mm	kg/daN		Gencod
BG1	25	2,0	24	M1	3 233690 021704
BG112	12	2,0	24	MB	3 233690 239031
BG2	25	2,5	36	M	3 233690 021711
BG3	25	3,0	56	M	3 233690 021759
BG4	25	3,5	72	M	3 233690 021773
BG5	25	5,0	165	G1	3 233690 021780

Cardboard	m	ø mm	kg/daN	Gencod
LVBG1	2,50	2,0	24	3 233690 237952

Double twist

Nickel plated steel

Reel	m	ø mm	kg/daN		Gencod
BT1	25	1,4	5	M1	3 233690 022688
BT2	25	1,6	5	M1	3 233690 022701
BT3	25	2,4	13	M	3 233690 022732

Cardboard	m	ø mm	kg/daN	Gencod
LVBT1	2,50	1,4	5	3 233690 218739
LVBT2	2,50	1,6	5	3 233690 237969

Bundle	m	ø mm	kg/daN	Gencod
500/9N	25	1,4	5	3 233690 006893

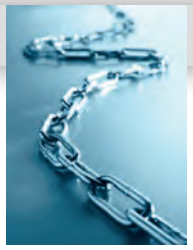
"Victor" knot

Zinc plated steel

Reel	m	ø mm	kg/daN		Gencod
BV1	25	1,4	30	M1	3 233690 022763
BV2	25	2,0	50	M1	3 233690 022770
BV3	25	2,7	120	M	3 233690 022794

Cardboard	m	ø mm	kg/daN	Gencod
LVBV1	2,50	1,4	30	3 233690 218753
LVBV2	2,50	2,0	50	3 233690 218777
LVBV3	2,50	2,7	120	3 233690 237976

Bundle	m	ø mm	kg/daN	Gencod
510/11Z	25	1,6	50	3 233690 008972



REPAIR > Unwelded chains

"Venetian" for roller blinds

Zinc plated steel

Reel	m	ø mm		Gencod
BJ1	50	2,7	M	3 233690 021858

Ball

Reel	m	ø mm	F	kg/daN		Gencod
BB5	50	3,2	polish	10	M1	3 233690 049838
BB512	12	3,2	polish	10	MB	3 233690 239000
BB6	50	3,2	chrome	10	M1	3 233690 021124
BB612	12	3,2	chrome	10	MB	3 233690 239017

Blister pack	m	ø mm	F	kg/daN	Gencod
TIR2	0,60	3,2	chrome	10	3 233690 036685

Blister pack contein 2 S-hooks and 2 cases in brass.

Bundle	m	ø mm	F	kg/daN	Gencod
700/6N	25	3,2	nickel	10	3 233690 013327
700/6C	25	3,2	chrome	10	3 233690 013310

Brass

REPAIR > Unwelded chains

Stamped

Steel or brass

Reel	m	mm	F	kg/daN		Gencod
BD3	25	19,0	Brass chrome plated	12	M1	3 233690 021315
BD6	25	19,0	Brass nickel plated	12	M1	3 233690 021384

Bundle	m	mm	F	kg/daN	Gencod
520/2N	25	16,5	Brass nickel plated	8	3 233690 010494
521/3N	25	19,0	Steel nickel plated	12	3 233690 010678

Cuckoo

Steel

Reel	m	ø mm	F	kg/daN		Gencod
BH2	50	1,3	Brass	4	M1	3 233690 021834
MU2	25	1,6	Nickel	8	MB	3 233690 049777

Bundle	m	ø mm	F	kg/daN	Gencod
640/6N	25	1,1	nickel	4	3 233690 012863

Curb

Nickel plated steel

Reel	m	ø mm	kg/daN		Gencod
MG4	25	1,5	18	MB	3 233690 049746

DECORATE > Chandelier-decoration chains

"Figaro link"

Round wire

Reel	m	ø mm	F	kg/daN		Gencod
BL01	25	2,0	black	5	M	3 233690 051107

"Figaro link"

Twist wire

Reel	m	ø mm	F	kg/daN		Gencod
BL16	25	2,2	bronze	10	M	3 233690 021933
BL17	25	2,2	black	10	M	3 233690 021940
BL1712	13	2,2	black	10	M1	3 233690 239062
BL18	25	2,2	brass	10	M	3 233690 021964
BL19	12	3,5	black	16	M	3 233690 021988

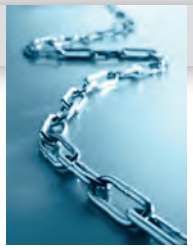
Cardboard	m	ø mm	F	kg/daN	Gencod
LVBL16	1,50	2,2	bronze	10	3 233690 218807
LVBL17	1,50	2,2	black	10	3 233690 218821
LVBL18	1,50	2,2	brass	10	3 233690 238003
LVBL19	1,50	3,5	black	16	3 233690 218845

"Figaro link"

Square hammed wire

Reel	m	ø mm	F	kg/daN		Gencod
BL10	25	2,0	bronze	8	M	3 233690 021872
BL11	25	2,0	black	8	M	3 233690 021889
BL1110	10	2,0	black	8	MB	3 233690 239048
BL12	25	2,0	brass	8	M	3 233690 021896
BL1210	10	2,0	brass	8	MB	3 233690 239055
BL13	12	4,0	black	32	M	3 233690 021902
BL41	12	4,0	bronze	32	M	3 233690 022152

Cardboard	m	ø mm	F	kg/daN	Gencod
LVBL10	1,50	2,0	bronze	8	3 233690 218869
LVBL41	1,50	4,0	bronze	32	3 233690 218920



DECORATE > Chandelier-decoration chains

"Cathédral style link"

Square wire

Reel	m	ø mm	F	kg/daN		Gencod
BL36	25	2,0	brass	10	M	3 233690 022107

Cardboard	m	ø mm	F	kg/daN	Gencod
LVBL36	1,50	2,0	brass	10	3 233690 238010

"Oval link"

Round wire

Reel	m	ø mm	F	kg/daN		Gencod
BL6	25	2,8	brass	10	M	3 233690 022206
BL25	12	3,8	black	14	M	3 233690 022053

Welded "forçat"

Brass plated steel

Reel	m	ø mm	kg/daN		Gencod
BF20	25	2,0	24	M1	3 233690 021629
BF2012	12	2,0	24	MB	3 233690 239024

Cardboard	m	ø mm	kg/daN	Gencod
LVBF20	2,50	2,0	24	3 233690 218579

Welded twist

Brass plated steel

Reel	m	ø mm	kg/daN		Gencod
BG20	25	2,0	24	M1	3 233690 021728

FASTEN > Signaling chains

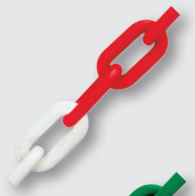
Signaling chains

Plastic

Reel	m	ø mm			Gencod
BP1	25	6,0	●/○	G2	3 233690 022411
BP112	12	6,0	●/○	M	3 233690 239079
BP7	25	8,0	○	G2	3 233690 022510
BP2	25	8,0	●/○	G2	3 233690 022459
BP9	25	8,0	●/○	G2	3 233690 022534
BP5	25	8,0	●	G2	3 233690 052302
BP3	10	10,0	●	G2	3 233690 022473

Bundle	m	ø mm		Gencod
605/8RB	25	8,0	●/○	3 233690 033097
605/8JN	25	8,0	●/●	3 233690 053132

Signaling chains



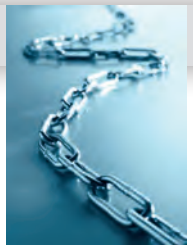
Plastic

Pail	m	ø mm		Gencod
TBP1	50	6,0	●/○	3 233690 092452
TBP2	38	8,0	●/○	3 233690 092469
TBP9	38	8,0	●/○	3 233690 126867

Reel	m	ø mm			Gencod
BP11*	25	6,0	●/○	G2	3 233690 022435
BP12*	25	8,0	●/○	G2	3 233690 022442

Bundle	m	ø mm		Gencod
605/6C	25	6,0	●	3 233690 202790
605/6FLUO*	25	6,0	●/○	3 233690 038917

*Fluorescent chain.



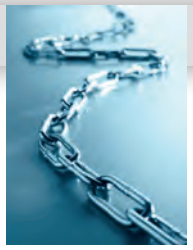
Top Block® anti-theft security chains

Security chain

Square cement steel links

Bulk	m	ø mm	kg/daN	Gencod
CS10-10	1,00	10	6 000	3 233690 144632

- Optimum resistance again bolt cutters and saws.
- Anticorrosive zing plating.
- Weatherproofing thanks to a high-resistance plated textile technical sheath.



ATTACH > Chains for cattle

Chain for cattle 3 stalks

Zinc plated steel

Bulk	cm	x P	ø mm	Gencod
CHB34	530-470-470	1	4	3 233690 264538
CHB36	670-580-580	1	6	3 233690 264545
CHB37	800-680-650	1	7	3 233690 264552

Chain for cattle 4 stalks

Zinc plated steel

Bulk	cm	x P	ø mm	Gencod
CHB47	800-680-650	1	7	3 233690 264569

ATTACH > Rings

Split ring

Nickel plated steel

Blister pack	x P	ø mm	Gencod
AB0015	15	12	3 233690 243984
AB1	6	18	3 233690 020639
AB112	12	18	3 233690 243991
AB2	4	22	3 233690 020646
AB210	10	22	3 233690 244011
AB3	3	26	3 233690 020653
AB36	6	26	3 233690 244042
AB4	6	30	3 233690 020660
AB46	6	30	3 233690 244066

Plastic bag	x P	ø mm	Gencod
VAB1	4	18	3 233690 068709
VAB2	4	22	3 233690 068716
VAB3	3	26	3 233690 068723
VAB4	3	30	3 233690 068730

Plastic box	x P	ø mm	Gencod
BAR1	50	18	3 233690 049623

Bulk	x P	ø mm	Gencod
1000/10N	100	18	3 233690 000334
1000/12N	100	22	3 233690 000341
1000/14N	100	26	3 233690 000358
1140/5N	100	8	3 233690 000563
1140/7N	100	12	3 233690 000587
1140/8N	100	14	3 233690 000594
1140/9N	100	16	3 233690 000600
1140/10N	100	18	3 233690 000518
1140/12N	100	22	3 233690 000525
1140/14N	100	26	3 233690 000532
1140/16N	100	30	3 233690 000549
1140/18N	100	35	3 233690 000556

ATTACH > Rings

Corrrugated split ring

Nickel plated steel

Blister pack	x P	ø mm	Gencod
AO1	4	21	3 233690 020837

Closing ring

Nickel plated steel

Blister pack	x P	ø mm	Gencod
AF1	2	30	3 233690 020769

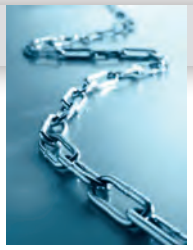
Bulck	x P	ø mm	Gencod
1730N	100	30	3 233690 001515

Welded ring

Zinc plated steel

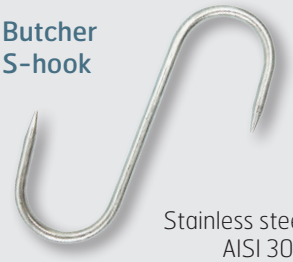
Blister pack	x P	ø mm	↓ ↑ ø mm	Gencod
AS1	6	18	3,0	3 233690 020882
AS2	4	25	3,4	3 233690 020899
AS3	4	30	4,0	3 233690 020905
AS4	3	40	5,0	3 233690 020912
AS6	2	40	6,0	3 233690 020943

Plastic bag	x P	ø mm	↓ ↑ ø mm	Gencod
VAS1	4	18	3,0	3 233690 068907
VAS2	4	25	3,4	3 233690 068914
VAS3	3	30	4,0	3 233690 068921
VAS4	2	40	5,0	3 233690 068938



S-hook

Butcher S-hook



Stainless steel AISI 304

Blister pack	x P	S ø mm	S mm	Gencod
EE8	2	4,0	80	3 233690 053187
EE12	2	5,0	120	3 233690 053194
EE16	2	6,0	160	3 233690 053200

Painting S-hook

Zinc plated steel

Blister pack	x P	S ø mm	S mm	Gencod
PE1	2	5,0	15/24	3 233690 028611
PE2	2	6,0	18/32	3 233690 028628

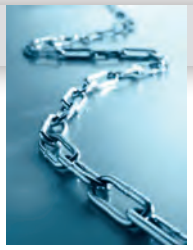
Plastic bag	x P	S ø mm	S mm	Gencod
VPE1	1	5,0	15/24	3 233690 072249
VPE2	1	6,0	18/32	3 233690 072256

Bulk	x P	S ø mm	S mm	Gencod
235/21Z	25	5,0	15/24	3 233690 003861
235/23Z	25	6,0	18/32	3 233690 003878

Open S-hook

Zinc plated steel

Blister pack	x P	S ø mm	S mm	Gencod
ES0012	12	1,8	2,5	3 233690 239833
ES1	6	2,5	3,5	3 233690 025061
ES110	10	2,5	3,5	3 233690 239840
ES2	6	3,0	4,0	3 233690 025153
ES210	10	3,0	4,0	3 233690 244103
ES3	4	4,0	6,0	3 233690 025160
ES36	6	4,0	6,0	3 233690 244110
ES4	4	5,0	8,0	3 233690 025177
ES46	6	5,0	8,0	3 233690 244592
ES5	2	7,0	10,5	3 233690 025184
ES6	2	8,0	12,5	3 233690 025191
ES7	1	10,0	15,0	3 233690 025207



SUSPEND > S-hook

Open S-hook

Zinc plated steel

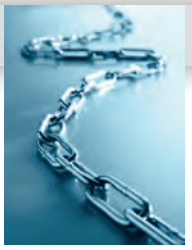
Plastic bag	x P	S ø mm	S mm	Gencod
VES00	6	1,8	2,5	3 233690 214694
VES1	4	2,5	3,5	3 233690 070146
VES2	4	3,0	4,0	3 233690 070214
VES3	4	4,0	6,0	3 233690 070221
VES4	2	5,0	8,0	3 233690 070238
VES5	2	7,0	10,5	3 233690 070245
VES6	1	8,0	12,5	3 233690 070252
VES7	1	10,0	15,0	3 233690 070269

Plastic box	x P	S ø mm	S mm	Gencod
BAR4	50	2,5	3,5	3 233690 049654

Open S-hook

Steel

Bulk	x P	S ø mm	S mm	F	Gencod
230/14Z	100	2,2	3,5	zinc	3 233690 003250
230/15N	100	2,4	4,4	nickel	3 233690 003298
230/15Z	100	2,5	4,4	zinc	3 233690 003311
230/16N	100	2,7	5,5	nickel	3 233690 003342
230/17Z	100	3,0	6,0	zinc	3 233690 003434
230/18N	100	3,5	4,5	nickel	3 233690 003465
230/19Z	100	4,0	6,0	zinc	3 233690 003533
230/20N	100	4,4	8,0	nickel	3 233690 003564
230/21Z	50	5,0	8,0	zinc	3 233690 003632
230/23Z	50	6,0	9,0	zinc	3 233690 003687



SUSPEND > S-hook

Open S-hook

Black zinc plated steel

Blister pack	x P	S ø mm	S mm	Gencod
ES11	4	3,0	4,0	3 233690 025085
ES1110	10	3,0	4,0	3 233690 239857
ES10	2	4,0	6,0	3 233690 025078
ES106	6	4,0	6,0	3 233690 244097
ES13	2	5,0	8,0	3 233690 025108

Plastic bag	x P	S ø mm	S mm	Gencod
VES11	2	3,0	4,0	3 233690 070160
VES13	2	5,0	8,0	3 233690 070184

Open S-hook

Bronze plated steel

Blister pack	x P	S ø mm	S mm	Gencod
EB1	4	3,0	4,0	3 233690 024804
EB3	2	5,0	8,0	3 233690 024828

Open S-hook

Brass plated steel

Blister pack	x P	S ø mm	S mm	Gencod
ES12	4	3,0	4,0	3 233690 025092
ES1210	10	3,0	4,0	3 233690 239864
ES176	6	4,0	6,0	3 233690 244080

Uneven S-hook

Chrome plated steel

Blister pack	x P	S ø mm	S mm	Gencod
INC110	10	2,0	22,0	3 233690 239871
INC3	4	3,4	37,5	3 233690 026761

Plastic bag	x P	S ø mm	S mm	Gencod
VINC1	4	2,0	22,0	3 233690 070900

SUSPEND > S-hook - Accessories for ball chain - Triangle

Uneven S-hook

Brass plated steel

Blister pack	x P	S ø mm	8 mm	Gencod
INP110	10	2,0	22,0	3 233690 239888

Plastic bag	x P	S ø mm	8 mm	Gencod
VINP1	4	2,0	22,0	3 233690 070931

Accessories for ball chain

Brass

Blister pack	x P	ø mm	F	Gencod
CC1	5	2,5 - 3,2	chrome	3 233690 022909
CC2	5	2,5 - 3,2	polish	3 233690 049951

Plastic bag	x P	ø mm	F	Gencod
VCC1	5	2,5 - 3,2	chrome	3 233690 069171
VCC2	5	2,5 - 3,2	polish	3 233690 069188

Ball chain coupling

Brass

Bulk	x P	ø mm	F	Gencod
711/C	100	3,2 - 3,6 - 4,5	chrome	3 233690 013433

Ball chain connector

Brass

Bulk	x P	ø mm	F	Gencod
721/N	100	2,5 - 3,2	nickel	3 233690 013853
721/C	100	2,5 - 3,2	chrome	3 233690 013846

Triangle

Nickel plated steel

Bulk	x P	ø mm	mm	mm	Gencod
270/E13N	100	2,0	8,0	10,0	3 233690 004622

CONNNECT > Junction link

Junction link

Zinc plated steel

Blister pack	x P	Ø mm	Gencod
FM44	4	3,8	3 233690 239895
FM54	4	4,8	3 233690 239901

Plastic bag	x P	Ø mm	Gencod
VFM6	1	6,5	3 233690 070405

Junction link

Plastic

Blister pack	x P	Ø mm		Gencod
SA2	2	8,0	●/○	3 233690 029885

Junction link

Zinc plated steel

Blister pack	x P	Ø mm	± kg/daN	Gencod
MR304	4	3,0	50	3 233690 239918
MR35	2	3,5	100	3 233690 027997
MR354	4	3,5	100	3 233690 244141
MR40	2	4,0	180	3 233690 028000
MR404	4	4,0	180	3 233690 244165
MR50	2	5,0	280	3 233690 028017
MR504	4	5,0	280	3 233690 244189
MR60	1	6,0	400	3 233690 028024
MR602	2	6,0	400	3 233690 244202
MR70	1	7,0	550	3 233690 028031
MR702	2	7,0	550	3 233690 244226
MR80	1	8,0	700	3 233690 028048
MR802	2	8,0	700	3 233690 254607
MR100	1	10,0	1100	3 233690 027980

CONNNECT > Junction link

Junction link

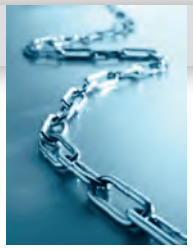
Plastic bag	x P	↓ ø mm ↑	± kg/daN	Gencod
VMR30	2	3,0	50	3 233690 236993

Plastic box	x P	↓ ø mm ↑	± kg/daN	Gencod
BAR8	20	5,0	280	3 233690 049685

Bulk	x P	↓ ø mm ↑	± kg/daN	Gencod
740/3	100	3,0	50	3 233690 064572
740/3,5	100	3,5	100	3 233690 013921
740/4	50	4,0	180	3 233690 013938
740/5	50	5,0	280	3 233690 013945
740/6	50	6,0	400	3 233690 013952
740/7	25	7,0	550	3 233690 013969
740/8	25	8,0	700	3 233690 013976
740/10	10	10,0	1100	3 233690 013914
740/12	10	12,0	1500	3 233690 035824
740/14	10	14,0	2200	3 233690 050216

Bulk	x P	↓ ø mm ↑	± kg/daN	Gencod
740G3Z	1	3,0	50	3 233690 237426
740G3,5Z	1	3,5	100	3 233690 237433
740G4Z	1	4,0	180	3 233690 237440
740G5Z	1	5,0	280	3 233690 237457
740G6Z	1	6,0	400	3 233690 237464
740G7Z	1	7,0	550	3 233690 237471
740G8Z	1	8,0	700	3 233690 237488
740G/10Z	1	10,0	1100	3 233690 130123
740G/12Z	1	12,0	1500	3 233690 130130
740G/14Z	1	14,0	2200	3 233690 130147
740G/16Z	1	16,0	2900	3 233690 130154

Zinc plated steel



CONNNECT > Junction link

Junction link

Polyamide

Blister pack	x P	ø mm		Gencod
MRB602	2	6	○	3 233690 244356
MRB80	1	8	○	3 233690 028062
MRR80	1	8	●	3 233690 028116
MRR802	2	8	●	3 233690 244370

Junction link

Polish plated brass

Blister pack	x P	ø mm	kg/daN	Gencod
MRL306	6	3	45	3 233690 244363

Delta Junction link

Zinc plated steel

Bulk	x P	ø mm	kg/daN	Gencod
750/12Z	1	12	1100	3 233690 096245
750/16Z	1	16	2200	3 233690 096252

CONNNECT > Name-plates

Tag holder window

Blister pack	x P			Gencod
EP1	4	with S-hook	● ○ ● ● ● ●	3 233690 024897
EP2	4	with spring hook	● ○ ● ● ● ●	3 233690 024910
EP10	10	with S-hook	● ○ ● ● ● ●	3 233690 024903

Plastic bag	x P			Gencod
VEP1	4	with S-hook	● ○ ● ● ● ●	3 233690 070085

Plastic box	x P			Gencod
BAR11	50	with S-hook	● ○ ● ● ● ●	3 233690 049579

Bulk	x P			Gencod
7122/13AS	100	with S-hook	● ○ ● ● ● ●	3 233690 126713
7122/13B	100	with S-hook	●	3 233690 013549
7122/13J	100	with S-hook	●	3 233690 013563
7122/13R	100	with S-hook	●	3 233690 013587
7122/13V	100	with S-hook	●	3 233690 013594
7140/10B	100	with ring	●	3 233690 013686
714/4AS	100	with ring + spring hook	● ○ ● ● ● ●	3 233690 126720
714/4B	100	with ring + spring hook	●	3 233690 013617
714/4R	100	with ring + spring hook	●	3 233690 013655

Polyethylene

CONNNECT > Spring hooks

Spring hook with sear

Nickel plated zamak

Blister pack	x P	mm	Ø mm	Gencod
PCT1	1	90	21	3 233690 092483

"Nippers-like" Spring hook with swivel

Brass plated zamak

Blister pack	x P	mm	Ø mm	Gencod
PMP5	1	67	15	3 233690 141044

"Nippers-like" Spring hook with swivel

Nickel plated zamak

Blister pack	x P	mm	Gencod
PI3	1	115	3 233690 028734

Bulk	x P	mm	Gencod
160/12N	20	100	3 233690 001348
160/14N	20	115	3 233690 001355

"Pump" snap hook with ring

Plastic

Blister pack	x P	mm	Gencod
PMP12	2	70	3 233690 055600

"Pump" snap hook with swivel

Brass plated zamak

Blister pack	x P	mm	Ø mm	Gencod
PMP9	1	87	18	3 233690 141082

CONNNECT > Spring hooks

"Pump" snap hook with swivel

Nickel plated zamak

Blister pack	x P	mm	Ø mm	Gencod
PMP00	1	63	10	3 233690 035442
PMP003	3	63	10	3 233690 244431
PMP1	1	75	13	3 233690 028925
PMP2	1	80	15	3 233690 028932
PMP22	2	80	15	3 233690 244448
PMP3	1	110	32	3 233690 028949

Plastic bag	x P	mm	Ø mm	Gencod
VPMP00	1	63	10	3 233690 070320
VPMP1	1	75	13	3 233690 072515
VPMP2	1	80	15	3 233690 070375
VPMP3	1	110	32	3 233690 072560

«Pump» snap hook with swivel

Nickel plated steel

Bulk	x P	mm	Ø mm	Gencod
180/75X13N	20	75	13	3 233690 001539
180/80X16N	20	80	15	3 233690 001553

Key ring

Alliage léger

Blister pack	x P	mm			Gencod
PA1	1	70	anodised	●	3 233690 028314
PA2	1	70	epoxy	●	3 233690 053842
PA3	1	58	polyamide	●	3 233690 237181
PA4	1	58	polyamide	●	3 233690 237198

Polyamide

Plastic bag	x P	mm	F		Gencod
VPA1	1	70	anodised	●	3 233690 072027
VPA4	1	58	polyamide	●	3 233690 254089

CONNNECT > Spring hooks

Key ring

Aluminium

Bulk with label	x P	mm	↓ ↑ Ø mm		Gencod
902AG	1	50	5	●	3 233690 237709

Key ring

Aluminium

Bulk with label	x P	mm	↓ ↑ Ø mm		Gencod
905AG	1	60	6	●	3 233690 237730
906AG	1	75	8	●	3 233690 237747

Key ring

Aluminium

Bulk with label	x P	mm	↓ ↑ Ø mm		Gencod
903AG	1	50	5	●	3 233690 237716
904AG	1	60	6	●	3 233690 237723

Key ring with safety screw

Aluminium

Bulk with label	x P	mm	↓ ↑ Ø mm		Gencod
907AG	1	60	6	●	3 233690 237754

Key ring with 3 rings

Aluminium

Bulk with label	x P	mm	↓ ↑ Ø mm		Gencod
908AG	1	75	7	●	3 233690 237761

CONNNECT > Spring hooks

With latch + safety screw

Anodized aluminium

Bulk with label	x P	mm	ø mm		kg/daN	Gencod
912AB	1	110	11	●	220	3 233690 237372

With latch + safety screw

Anodized aluminium

Bulk with label	x P	mm	ø mm		kg/daN	Gencod
913ABF	1	110	12	●	200	3 233690 237389

With latch + safety screw

Anodized aluminium

Bulk with label	x P	mm	ø mm		kg/daN	Gencod
914AG	1	112	12	●	220	3 233690 237402

With latch + safety screw

Anodized aluminium

Bulk with label	x P	mm	ø mm		kg/daN	Gencod
915AG	1	110	11	●	220	3 233690 237419

With latch + safety screw

Anodized aluminium

Bulk with label	x P	mm	ø mm		kg/daN	Gencod
916AR	1	110	11	●	250	3 233690 237396

CONNNECT > Spring hooks

"Fireman"

Blister pack	x P	mm	ø mm	Gencod
PO10	2	40	4	3 233690 207238
PO104	4	40	4	3 233690 244479
PO00	1	50	5	3 233690 029052
PO002	2	50	5	3 233690 244455
PO1	1	60	6	3 233690 029069
PO12	2	60	6	3 233690 244462
PO2	1	80	8	3 233690 029076
PO22	2	80	8	3 233690 244486
PO3	1	100	10	3 233690 029083
PO32	2	100	10	3 233690 244493

Plastic bag	x P	mm	ø mm	Gencod
VPO00	1	50	5	3 233690 072591
VPO1	1	60	6	3 233690 072607
VPO2	1	80	8	3 233690 072621
VPO3	1	100	10	3 233690 072638

Plastic box	x P	mm	ø mm	Gencod
BAR14	20	60	6	3 233690 049616

Bulk	x P	mm	ø mm	Gencod
120/40Z	10	40	4	3 233690 033288
120/50Z	10	50	5	3 233690 045410
120/60Z	10	60	6	3 233690 000723
120/80Z	10	80	8	3 233690 000730
120/100Z	5	100	10	3 233690 000679

Bulk with label	x P	mm	ø mm	Gencod
120G4Z	1	40	4	3 233690 237525
120G5Z	1	50	5	3 233690 237532
120G6Z	1	60	6	3 233690 237549
120G8Z	1	80	8	3 233690 237556
120G-10Z	1	100	10	3 233690 236856

Zinc plated steel

CONNNECT > Spring hooks

"Fireman" DIN5299

Zinc plated steel

Plastic bag	x P	mm	Ø mm	Gencod
125/60Z	10	60	6	3 233690 060451
125/80Z	10	80	8	3 233690 044529
125/100Z	5	100	10	3 233690 044536

"Fireman" with screw

Zinc plated steel

Blister pack	x P	mm	Ø mm	kg/daN	Gencod
PV2	1	80	8	120	3 233690 044130
PV3	1	100	10	160	3 233690 044383

Plastic bag	x P	mm	Ø mm	kg/daN	Gencod
VPV2	1	80	8	120	3 233690 072997
VPV3	1	100	10	160	3 233690 073000

Double CHAPUIS

Anodized aluminium

Vrac gencodé	x P	mm	Ø mm	kg/daN	Gencod
PMCH1	1	125	8	100	3 233690 263203

Bulk with label	x P	mm	Ø mm	kg/daN	Gencod
PMCH2	1	125	8	100	3 233690 263210

"Safety" with screw

Zinc plated steel

Blister pack	x P	mm	Ø mm	Gencod
PTR1	1	127	30	3 233690 053811

"Safety" with swivel

Bichromated zinc plated steel

Blister pack	x P	mm	kg/daN	Gencod
PS2	1	85	300	3 233690 029441

Bulk with label	x P	mm	kg/daN	Gencod
190/85Z	1	85	300	3 233690 001614

CONNNECT > Spring hooks

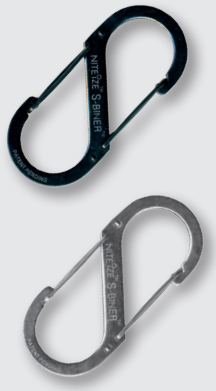
"Simplex" with swivel

Blister pack	x P	mm	Ø mm	Gencod
PM00	3	30	8	3 233690 028819
PM006	6	30	8	3 233690 244394
PM1	3	40	10	3 233690 028826
PM10	2	50	12	3 233690 028833
PM2	2	60	15	3 233690 028840
PM20	1	70	18	3 233690 028857
PM3	1	80	20	3 233690 028864
PM32	2	80	20	3 233690 244400
PM4	1	90	21	3 233690 028871
PM42	1	90	21	3 233690 244417
PM5	1	100	22	3 233690 028888
PM52	1	100	22	3 233690 244424

Plastic bag	x P	mm	Ø mm	Gencod
VPM1	2	40	10	3 233690 072409
VPM2	1	60	15	3 233690 072423
VPM3	1	80	20	3 233690 072447

Bulk	x P	mm	Gencod
150/40Z	50	40	3 233690 001157
150/50Z	50	50	3 233690 001201
150/80Z	20	80	3 233690 001294

Zinc plated steel

S-BINER

Bister pack	x P	mm	mm		Gencod
SB101	1	40	14	●	3 233690 237259
SB201	1	50	22	●	3 233690 237211
SB211	1	50	22	●	3 233690 237280
SB301	1	67	29	●	3 233690 237297
SB311	1	67	29	●	3 233690 237228
SB401	1	89	38	●	3 233690 237235
SB411	1	89	38	●	3 233690 237242

Stainless steel

CONNNECT > Swivels - Key rings - Key heads

Double swivel

Nickel plated zamak

Blister pack	x P	↓ ↑ Ø mm	Ø mm	± kg/daN	Gencod
TD1	1	4,5	14,0	20	3 233690 031307
TD2	1	5,0	20,5	30	3 233690 031314
TD3	1	5,5	26,0	40	3 233690 031321

Plastic bag	x P	↓ ↑ Ø mm	Ø mm	± kg/daN	Gencod
VTD1	1	4,5	14,0	20	3 233690 074243
VTD2	1	5,0	20,5	30	3 233690 074250

Key ring cable

Zinc plated steel

Blister pack	x P	↓ ↑ Ø mm	mm	Gencod
PCLCA	5	1,5	150	3 233690 255802

Key head

PVC

Blister pack	x P	Ø mm	Gencod
TECLE1	5	17	3 233690 237778

Plastic bag	x P	Ø mm	Gencod
VTECLE1	5	17	3 233690 254461

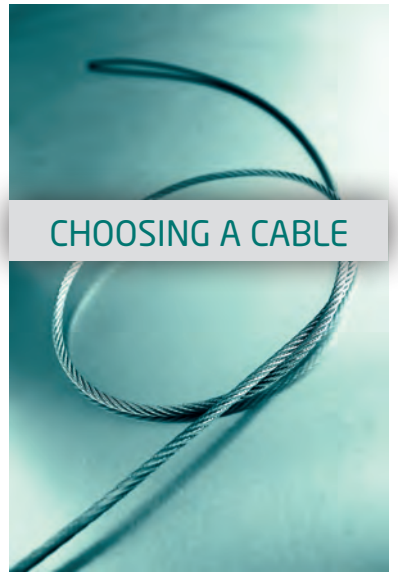
Fancy key head

PVC

Blister pack	x P	Gencod
TECLE2	4	3 233690 243885

CABLES & WIRES

Sheathed cables	**P 46-47**
No-sheathed cables	**P 48**
Slings	**P 49**
Metal wires	**P 50**
Span wires	**P 51**
Clothesline	**P 51**
Metal wires Filpack®	**P 52-53**
Accessories	**P 54-63**



CHOOSING A CABLE

FIXING >

SHEATHED CABLES	MATERIAL	COMPOSITION	Ø CABLE	WORKING LOAD
Translucent PVC	Galvanized hard steel RR180 kg/mm²	7 strands x 7 wires 1 strand x 19 wires Metallic core	Ø terminal 2 to 6 mm	67 to 171 kg
Red PVC	Galvanized hard steel RR180 kg/mm²			

Spécific points & uses : flexible, resistant, does not stratch.

LIFTING >

NO-SHEATHED CABLES	MATERIAL	COMPOSITION	Ø CABLE	WORKING LOAD
Qualité "levage"	Galvanized hard steel RR180 kg/mm²	1 strand x 7 wires 7 strands x 7 wires 7 strands x 19 wires Metallic core	1,5 to 8 mm	24 to 590 kg
	AISI stainless steel 316			
Type "aviation"	Galvanized hard steel RR180 kg/mm²			
Type "horlogerie"	Galvanized hard steel RR90 kg/mm²	6 strands x 7 wires 6 strands x 19 wires Textile core		

Spécific points & uses : good resistance to rain, wind and salt spray (stainless steel).

CABLES - WIRES

The cables on offer in this catalog are manufactured from different varieties of steel finish :

- Hard galvanized RR 180 kg/mm² :
  - Sheathed cable used for hanging various items and guying,
  - Non-sheathed "lifting quality" and "aviation" cable: for lifting and traction.
- Soft galvanized RR 90 kg/mm² :
  - "clockwork" cable : for household use.

CABLE CONSTITUTION AND COMPOSITION

A cable is an assembly of strands rolled around a central core ; this core may be metallic or textile.

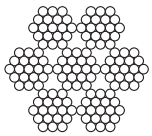
A strand is an assembly of metallic wires rolled around a central wire.

The composition of a cable is expressed using a combination of 2 numbers.
The first is **the number of strands**.
The second **is the number of wires which make up each strand**, for example : 7 x 19 .

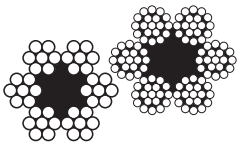
According to the cable composition, the uses and characteristics are different :

- **A 7 strand x 7 wire cable with a metallic core** is flexible, resistant and does not stretch easily.

- **A 7 strand x 19 wire cable with metallic core** is extra-flexible, resistant, but is less resistant to stretching. We recommend its use in applications where it will be subject to repetitive movements with or without bends.



- **A 6 strand x 7 wire and 6 strand x 19 wire cable with textile core** is more rigid and less resistant.
  It is primarily used for domestic use, but is not recommended for lifting and pulling.



SAFETY

The cables and accessories in our range must not be used to support personnel.

These must meet other sets of standards and constraints.

When choosing a cable, it is important to bear in mind the following :
- where it will be used,
- the usage and function: repeated movements, static use,
- the working load.

CAPTION

- Reel type
- Colour
- Structure (number of strangs x number of wires)
- ø mm — Cable diameter in millimeter
- ø mm — Terminal diameter in millimeter
- m — Length in meter
- ø mm — Wire diameter in millimeter
- max kg/daN — Indicative working load in kilogram
- kg — Indicative breaking load in kilogram
- m — Useful length in meter
- xP — Number of pieces
- M — Material
- mm — Interior width in millimeter
- ø mm — Axis diameter in millimeter
- mm — Groove width in millimeter
- ø mm — Thread diameter in millimeter
- mm — Opening in millimeter
- ø mm — Interior diameter of eye in millimeter

Translucent

Hard galvanized steel
RR 180kg/mm²

Reel	m	ø mm	ø mm		max kg/daN		Gencod
BC13	100	1,0	2,0	1 x 19	30	C1	3 233690 209287
BC1	50	2,5	3,5	7 x 7	67	C1	3 233690 021148
BC2	50	3,0	4,0	7 x 7	97	C1	3 233690 021162
BC3	40	3,0	5,0	7 x 7	97	C1	3 233690 021186
BC4	50	4,0	6,0	7 x 19	159	C2	3 233690 021209

Metal core

Red

Hard galvanized steel
RR 180kg/mm²

Reel	m	ø mm	ø mm		max kg/daN		Gencod
BCR4	50	3,0	4,0	7 x 7	97	C1	3 233690 053491

Metal core

Translucent

Hard galvanized steel

Retracted film	m	ø mm	ø mm		max kg/daN	Gencod
BCC1	50	2,5	3,5	7 x 7	67	3 233690 175889

Metal core

Translucent

Hard galvanized steel
RR 180kg/mm²

Retracted film	m	ø mm	ø mm		max kg/daN	Gencod
CCG1310	10	1,3	2,0	1 x 19	30	3 233690 209294
CCG310	10	2,5	3,5	7 x 7	67	3 233690 126485
CCG410	10	3,0	4,0	7 x 7	97	3 233690 126508
CCG610	10	4,0	6,0	7 x 19	159	3 233690 126676
CCG320	20	2,5	3,5	7 x 7	67	3 233690 126492
CCG420	20	3,0	4,0	7 x 7	97	3 233690 126515
CCG620	20	4,0	6,0	7 x 19	159	3 233690 126683

Metal core

"Lifting grade"

Hard galvanized steel
RR 180kg/mm²

Reel	m	ø mm		max kg/daN		Gencod
BC01*	200	1,0	1 x 7	16	C1	3 233690 175582
BC05*	200	1,5	1 x 7	38	C1	3 233690 053477
BC5*	200	2,0	7 x 7	43	C1	3 233690 021223
BC10100*	100	3,0	7 x 7	97	C1	3 233690 205838
BC6*	100	4,0	7 x 19	159	C2	3 233690 021230
BC7**	60	5,8	6 x 7	316	C2	3 233690 021247
BC8**	40	8,0	6 x 19	590	C2	3 233690 021254

*Metal core - **Textil core

"Aviation"

Hard galvanized steel
RR 180kg/mm²

Cardboard reel box	m	ø mm		max kg/daN	Gencod
BDCA4	100	4	7 X 19	159	3 233690 021414
BDCA6	100	6	7 X 7	386	3 233690 021438

Metal core
Box size : 360 x 360 x 105 mm

"Lifting grade"

Hard galvanized steel
RR 180kg/mm²

Retracted film	m	ø mm		max kg/daN	Gencod
QL110**	10	1,5	1 X 7	38	3 233690 130802
QL210*	10	2,0	6 X 7	43	3 233690 092476
QL310*	10	3,0	6 X 7	120	3 233690 093107
QL410*	10	4,0	6 X 7	178	3 233690 092490
QL510*	10	5,0	6 X 7	278	3 233690 092575
QL610*	10	6,0	6 X 7	400	3 233690 092926
QL120**	20	1,5	1 X 7	38	3 233690 130819
QL220*	20	2,0	6 X 7	43	3 233690 092933
QL320*	20	3,0	6 X 7	120	3 233690 092636
QL420*	20	4,0	6 X 7	178	3 233690 092940

*Textile core - **Metal core

Edless sling

Polyester

Retracted film	m	m		max kg/daN	Gencod
ELR2	2	4	●	1 000	3 233690 092964
ELR3	1	2	●	2 000	3 233690 092971
ELR4	2	4	●	2 000	3 233690 092995

- Complies with EN 1492-2

TIE ON

Carcasse wire -Piano string wire

Carcasse wire

Blister pack	M	m ≃	ø mm	Gencod
FCA1	brass	30	0,4	3 233690 044178
FCA2	copper	30	0,4	3 233690 044185
FCA3	galvanized steel	50	0,3	3 233690 044192
FCA4	galvanized steel	20	0,5	3 233690 044208
FCA5	green laqued steel	30	0,4	3 233690 044215

Plastic bag	M	m ≃	ø mm	Gencod
VFCA1	brass	30	0,4	3 233690 090151
VFCA2	copper	30	0,4	3 233690 090168
VFCA3	galvanized steel	50	0,3	3 233690 090175
VFCA4	galvanized steel	20	0,5	3 233690 090182

Piano string wire

Steel C85

Staple	m	ø mm	Gencod
FIP2	34,00	0,2	3 233690 064732
FIP4	34,00	0,4	3 233690 064749
FIP6	34,00	0,6	3 233690 032120
FIP8	19,00	0,8	3 233690 032137
FIP10	12,30	1,0	3 233690 025429
FIP12	8,50	1,2	3 233690 032144
FIP15	5,50	1,5	3 233690 032151
FIP20	5,50	2,0	3 233690 064756

TIE ON

Span wire - Clothesline

Span wire

Green plastic coated steel

Staple	m ≃	ø mm	ø mm	Gencod
FIT20	20	1,7	2,7	3 233690 035862
FIT50	50	1,7	2,7	3 233690 035879
FIT100	100	1,7	2,7	3 233690 081739

Span wire

Galvanized steel

Staple	m ≃	ø mm	Gencod
FTG25	25	2,7	3 233690 081746
FTG50	50	2,7	3 233690 062523
FTG100	100	2,7	3 233690 062530

Clothesline

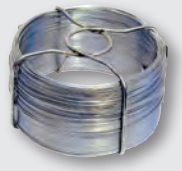
White plastic coated steel

Staple	m ≃	ø mm	ø mm	Gencod
FIL15	15	1,7	2,7	3 233690 025405
FIL20	20	1,7	2,7	3 233690 025412

TIE ON > Wires Filpack®

METAL WIRES

Galvanized steel wire



Bott	m ≃	ø mm	Gencod
FGG07	75	0,7	3 233690 048282
FGG09	50	0,9	3 233690 048299
FGG11	50	1,1	3 233690 048305
FGG13	40	1,3	3 233690 048312
FGG15	30	1,5	3 233690 048329
FGG18	50	1,8	3 233690 081722

Stainless steel wire

Bott	m ≃	ø mm	Gencod
FGI08	50	0,8	3 233690 048381

Plastic coated wire

Bott	m ≃		ø mm	ø mm	Gencod
FGV08	75	●	0,7	0,8	3 233690 048336
FGB08	75	○	0,7	0,8	3 233690 048350
FGN08	75	●	0,7	0,8	3 233690 255857
FGV14	30	●	1,05	1,4	3 233690 048343
FGB14	30	○	1,05	1,4	3 233690 048367

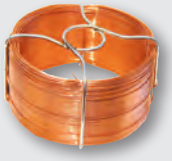
TIE ON > Wires Filpack®

METAL WIRES

Plastic coated metal link

Bott	m ≃		Gencod
FGP1	40	●	3 233690 081753

Brass or copper wire



Bott	M	m ≃	ø mm	Gencod
FGL08	laiton	50	0,8	3 233690 048374
FGC08	cuivre	50	0,8	3 233690 048398

Plastic coated steel wire Filpack® mini

Staple	M	m ≃	ø mm	Gencod
FPBL12	white plastic coated steel	6	1,2	3 233690 081708

ATTACH > Lifting rings

Lifting eye bolt DIN 580

Zinc plated steel C15

Bulk with label	mm	ø mm	ø mm	max kg/daN	Gencod
900/6Z	13	M6	20	90	3 233690 082330
900/8Z	13	M8	20	140	3 233690 082354
900/10Z	17	M10	25	230	3 233690 082347
900/12Z	20,5	M12	30	340	3 233690 082361
900/14Z	20,5	M14	30	500	3 233690 251286
900/16Z	27	M16	35	700	3 233690 251293
900/18Z	27	M18	35	930	3 233690 251309

Eye nut DIN580

Zinc plated steel C15

Bulk with label	ø mm	ø mm	max kg/daN	Gencod
901/6Z	M6	20	90	3 233690 082552
901/8Z	M8	20	140	3 233690 082569
901/10Z	M10	25	230	3 233690 082576
901/12Z	M12	30	340	3 233690 082583
901/14Z	M14	30	500	3 233690 251316
901/16Z	M16	35	700	3 233690 251323
901/18Z	M18	35	930	3 233690 251330

ATTACH > Thimble

Standard thimble

Blister pack	x P	mm	Gencod
CS00	2	3	3 233690 023586
CS1	2	4	3 233690 023593
CS2	2	7	3 233690 023609
CS3	2	9	3 233690 023616
CS4	1	11	3 233690 023623
CS5	1	13	3 233690 023630

Plastic bag	x P	mm	Gencod
VCS1	2	4	3 233690 069546
VCS2	2	7	3 233690 069553
VCS3	2	9	3 233690 069560
VCS5	1	13	3 233690 069584

Bulk	x P	mm	Gencod
320/6Z	10	7	3 233690 005148
320/12Z	5	13	3 233690 005070

Zinc plated steel

CONNECT > Lifting hook - Stiffeners

Lifting hook swivel and safety latch

Steel C40

Bulk with label	x P	max kg/daN	Gencod
420/0,50Z	1	500	3 233690 005834
420/1Z	1	1000	3 233690 005841
420/2Z	1	2000	3 233690 005858

Lifting eye hook and safety latch

Steel C15

Bulk with label	x P	max kg/daN	Gencod
415/0,25Z	1	250	3 233690 005827
415/0,50Z	1	500	3 233690 033356
415/1,6Z	1	1600	3 233690 085768

Stiffener for fence wire

Steel
*Zinc plated steel

Blister	x P	m	ø mm		Gencod
RA3	2	95	3,5	●	3 233690 029595

Bulk with label	x P	m	ø mm		Gencod
870/1Z*	1	95	3,5	●	3 233690 041351
870/2BL	1	95	3,5	○	3 233690 041368
870/3V	1	95	3,5	●	3 233690 041375

Straight shackle with eye bolt

Blister pack	x P	Ø mm	mm	max kg/daN	Gencod
MD00	1	5	8	70	3 233690 027706
MD1	1	6	11	100	3 233690 027713
MD2	1	8	16	250	3 233690 027720
MD3	1	10	18	400	3 233690 027737

Bulk	x P	Ø mm	mm	max kg/daN	Gencod
330/6Z	10	6	11	100	3 233690 005278
330/8Z	10	8	16	250	3 233690 005285
330/10Z	10	10	18	400	3 233690 005209

Bulk with label	x P	Ø mm	mm	max kg/daN	Gencod
330G5Z	1	5	8	70	3 233690 237495
330G6Z	1	6	11	100	3 233690 237501
330G/8Z	1	8	16	250	3 233690 205418
330G/10Z	1	10	18	400	3 233690 205425
330/12Z	1	26	12	630	3 233690 005216
330/14Z	1	27	14	750	3 233690 005223
330/16Z	1	32	16	1000	3 233690 005230
330/18Z	1	28	18	1300	3 233690 083771
330/20Z	1	36	20	1600	3 233690 005254
330/22Z	1	41	22	2000	3 233690 005261

Zinc plated steel

CONNECT > Cable tip - Muffs

Cable tip

Polyethylene

Blister pack	x P	ø mm		Gencod
EMC3G	12	3	●	3 233690 206194
EMC4G	12	4	●	3 233690 206200

Muff

Aluminium

Blister pack	x P	ø mm	Gencod
MAN1520	20	1,5	3 233690 239925
MAN20	6	2,0	3 233690 053361
MAN25	2	2,5	3 233690 053378
MAN30	2	3,0	3 233690 053385
MAN40	2	4,0	3 233690 053392
MAN50	2	5,0	3 233690 053408

Plastic bag	x P	ø mm	Gencod
VMAN20	4	2,0	3 233690 069003
VMAN30	2	3,0	3 233690 069027
VMAN40	2	4,0	3 233690 069249
VMAN50	2	5,0	3 233690 069041

Wire rope clip

Blister pack	x P	ø mm	Gencod
SC00	2	3/4	3 233690 030126
SC004	4	3/4	3 233690 239932
SC1	2	5	3 233690 030133
SC14	4	5	3 233690 239949
SC2	2	6	3 233690 030140
SC24	4	6	3 233690 244561
SC3	2	8	3 233690 030157
SC33	3	8	3 233690 244578
SC4	1	10	3 233690 030164
SC5	1	12	3 233690 030171
SC52	2	12	3 233690 244585
SC6	1	14	3 233690 030188

Plastic bag	x P	ø mm	Gencod
VSC00	2	3/4	3 233690 073758
VSC1	2	5	3 233690 073765
VSC2	2	6	3 233690 073772
VSC3	2	8	3 233690 073789
VSC4	1	10	3 233690 073796
VSC5	1	12	3 233690 073802
VSC6	1	14	3 233690 073819

Plastic box	x P	ø mm	Gencod
BAR9	30	3/4	3 233690 049692
BAR10	25	5	3 233690 049708

Bulk	x P	ø mm	Gencod
300/3Z	25	3/4	3 233690 033363
300/5Z	10	5	3 233690 004974
300/6Z	10	6	3 233690 004981
300/8Z	10	8	3 233690 004998
300/10Z	5	10	3 233690 004943
300/12Z	5	12	3 233690 004950
300/14Z	5	14	3 233690 004967
300/16Z	5	16	3 233690 078913

Zinc plated steel
Cast iron soleplate

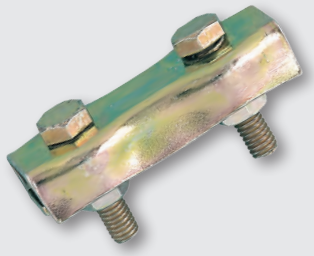
Wire rope clip

Zinc plated steel
Stamped steel soleplate

Blister pack	x P	ø mm	Gencod
ESC1	2	5	3 233690 101529
ESC2	2	6	3 233690 101536
ESC3	2	8	3 233690 101543
ESC4	1	10	3 233690 101550
ESC5	1	12	3 233690 101567
ESC6	1	14	3 233690 101574

Bulk	x P	ø mm	Gencod
290/5Z	10	5	3 233690 078999
290/6Z	10	6	3 233690 079002
290/8Z	10	8	3 233690 079019
290/10Z	5	10	3 233690 079026
290/12Z	5	12	3 233690 079040
290/14Z	5	14	3 233690 079057
290/16Z	5	16	3 233690 079064

2 bolt flat wire rope clip



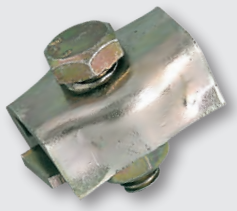
Zinc plated steel

Blister pack	x P	ø mm	Gencod
CP00	2	2	3 233690 023432
CP004	4	2	3 233690 239963
CP1	2	4	3 233690 023449
CP2	2	6	3 233690 023456
CP24	4	6	3 233690 244554

Plastic bag	x P	ø mm	Gencod
VCP00	2	2	3 233690 069416
VCP1	2	4	3 233690 069423
VCP2	2	6	3 233690 069430

Bulk	x P	ø mm	Gencod
310/2Z	10	2	3 233690 033370
310/3Z	10	3	3 233690 079385
310/4Z	10	4	3 233690 005032

1 bolt flat wire rope clip



Zinc plated steel

Blister pack	x P	ø mm	Gencod
CP4	4	2	3 233690 023470
CP46	6	2	3 233690 239956
CP5	2	4	3 233690 023487
CP56	6	4	3 233690 244547
CP6	2	6	3 233690 023494

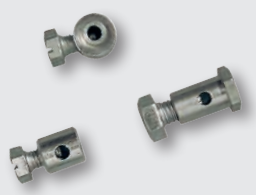
Plastic bag	x P	ø mm	Gencod
VCP4	4	2	3 233690 069454
VCP5	2	4	3 233690 069461

Wire rope GRIPPLE®

Zinc plated steel

Blister pack	x P	ø mm	Gencod
SCGN1	2	1	3 233690 244608
SCGN2	2	2	3 233690 244615
SCGN3	2	3	3 233690 244622

Wire rope clip typifies bike



Zinc plated steel

Blister pack	x P	ø mm	Gencod
SCV1	2	1,5/1,8	3 233690 053446
SCV16	6	1,5/1,8	3 233690 239970
SCV2	2	2/2,8	3 233690 053453
SCV26	6	2/2,8	3 233690 239987
SCV3	2	3,0	3 233690 053460
SCV34	4	3,0	3 233690 239994
SCV5	2	3,0	3 233690 055082
SCV54	4	3,0	3 233690 240013

Plastic bag	x P	ø mm	Gencod
VSCV1	2	1,5/1,8	3 233690 073710

TIGHTEN > Turnbuckles

1 eye side 1 hook side turnbuckle

Zinc plated steel

Blister pack	x P	ø mm	mm	Ø mm	max kg/daN	Gencod
TO1	1	6	8,5	10	60	3 233690 031468
TO2	1	8	10	11	130	3 233690 031475

Bulk with label	x P	ø mm	mm	Ø mm	max kg/daN	Gencod
340/5Z	1	5	6	8	25	3 233690 079804
340/6Z	1	6	8,5	10	60	3 233690 005360
340/8Z	1	8	10	11	130	3 233690 005377
340/10Z	1	10	12	14	180	3 233690 005292
340/12Z	1	12	16	17	300	3 233690 005308
340/14Z	1	14	16	18	420	3 233690 005315
340/16Z	1	16	16,5	23	530	3 233690 005322

1 eye side 1 hook side turnbuckle

Zinc plated steel
Cast iron cage

Blister pack	x P	ø mm	mm	Ø mm	max kg/daN	Gencod
TO10	1	4,3	7	8	25	3 233690 204824
TO11	1	5,3	9	10	60	3 233690 204831

2 hooks side turnbuckle

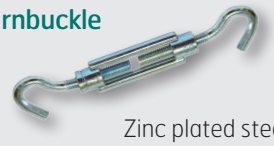
Zinc plated steel

Blister pack	x P	ø mm	mm	max kg/daN	Gencod
TC1	1	6	8,5	60	3 233690 031277
TC2	1	8	10	130	3 233690 031284

Bulk with label	x P	ø mm	mm	max kg/daN	Gencod
350/5Z	1	5	6	25	3 233690 079897
350/6Z	1	6	8,5	60	3 233690 005445
350/8Z	1	8	10	130	3 233690 005452
350/10Z	1	10	12	180	3 233690 005384
350/12Z	1	12	16	300	3 233690 005391
350/14Z	1	14	16	420	3 233690 005407
350/16Z	1	16	16,5	530	3 233690 005414
350/18Z	1	18	17	630	3 233690 079910

TIGHTEN > Turnbuckles - Decorative tensioner

2 hooks side turnbuckle



Zinc plated steel
Cast iron cage

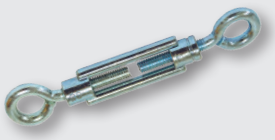
Blister pack	x P	ø mm	mm	max kg/daN	Gencod
TC10	1	4,3	7	25	3 233690 204800
TC11	1	5,3	8	60	3 233690 204817

2 eyes side turnbuckle

Zinc plated steel

Bulk with label	x P	ø mm	ø mm	max kg/daN	Gencod
360/6Z	1	6	10	150	3 233690 032601
360/8Z	1	8	11	250	3 233690 032618
360/10Z	1	10	14	350	3 233690 032625
360/12Z	1	12	17	650	3 233690 005469
360/14Z	1	14	18	850	3 233690 005476

2 eyes side turnbuckle



Zinc plated steel
Cast iron cage

Blister pack	x P	ø mm	ø mm	max kg/daN	Gencod
TY10	1	4,3	8	25	3 233690 204848

Cable tensioner

Stainless steel
internal use

Blister pack	x P	ø mm	± kg/daN	Gencod
TFCI2	2	2	25	3 233690 208037

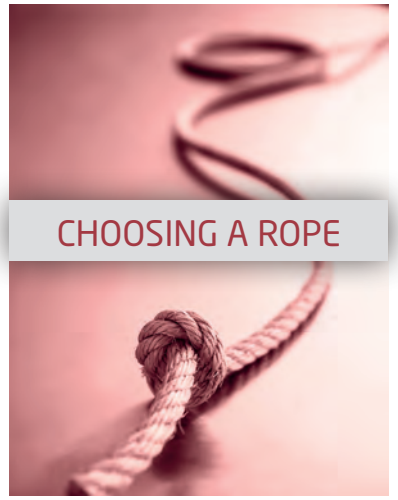
Wall attachement piece, adjustable

Stainless steel
internal use

Blister pack	x P	ø mm	± kg/daN	Gencod
TPCI2	2	2	25	3 233690 208020

ROPES & THREADS

Cable rope	**P 68-70**
Plaited ropes	**P 71-75**
Threads	**P 76-78**
Hanging	**P 79**
Nylon lines	**P 80**
Kit fixation Hamac	**P 80**
Rubber cables	**P 81-82**
Hooks for rubber cable	**P 83**
Rubber bands	**P 83**
Accessories	**P 84-93**
Handrails	**P 94-95**



CHOOSING A ROPE

USEFUL ADVICES

CAMP

POLYPROPYLENE

HANG

POLYPROPYLENE

CHARACTERISTICS	SYNTHETIC MATERIALS			NATURAL MATERIALS	
	Polypropylene	Polyamide	Polyester	Hemp	Sisal
Ease of use	+ +	+ + + +	+ + + +	+ +	+
Shock resistance	+ +	+ + + +	+ +	+	+
Breaking load	+ + +	+ + + +	+ +	+	+
Lightness	+ + + +	+ +	+ +	+ + +	+ + +
Traction stretching before breaking	+	+ + + +	+	+	+
Abrasion resistance	+ + +	+ + + +	+ + + +	+ +	+ + +
humidity resistance	+ + + +	+ + + +	+ + + +	+	+ + +
Heat resistance	+ + +	+ + + +	+ + + +	+ + +	+ + +
Sun resistance (U.V.)	+ + +	+ + + +	+ + + +	+ + +	+ +
Chemical and petrochemical product resistance	+ + + +	+ +	+ + + +	+ + +	+ + +
Storage	Humid or dry	Humid or dry	Humid or dry	Temperate	Dry
Buoyancy	yes	no	no	no	no

FASTEN

POLYESTER

SECURE

POLYAMIDE

SUSPEND

HEMP

BIND

SISAL

CABLED ROPE

An assembly of regular threads, referred to as strands.
These come in 3 or 4 strands.
With or without core.

Uses :
- Sling and climbing netting manufacture
- Tackle assembly
- Stowing
- Mooring
- Lifting
- Traction
- Construction
- Leisure, sports, yachting
- Décoration

The cabled ropes comply with the terms of the following standards :
- Standard EN 698 - NF G 36.001 : sisal
- Standard EN 1261 - NF G 36.002 : hemp
- Standard EN 699 - NF G 36.015 : polypropylene
- Standard EN 701 - NF G 36.014 : polyethylene
- Standard EN 697 - NF G 36.013 - ISO 1141 : polyester
- Standard EN 696 - NF G 36.012 - ISO 1140 : polyamide

BRAIDED ROPE

Composition of a round braid by interlocking threads in order to obtain a spindle with or without a core.

Uses :
- Gardening
- Camping
- Fishing
- Sailing, boating
- Leisure
- Outdoor games
- Pull ropes (blinds, rails)
- Motor starter cables

BUNGEE

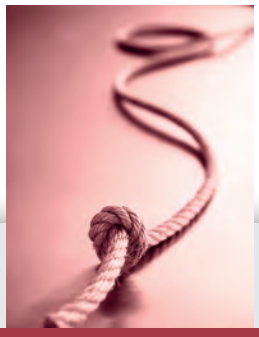
Specially designed to secure transported objects, our bungee products have the following characteristics :

- Core : natural rubber
- Braided sheath
- Will not rot
- Water-proof
- High abrasion resistance
- Very good resistance to sunlight, ANTI-UV treatment
- Physical characteristics are stable between 40°C and 100°C

NB - the diameter can cope with a tolerance of + or – 10%

SAFETY

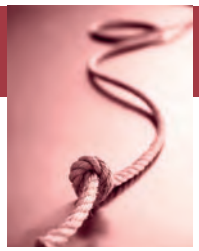
The cables and accessories in our range must not be used to support personnel.
These must meet other sets of standards and constraints.



CAPTION

Reel type	
Colour	
mm	Dimensions in millimeter
ø mm	Core diameter in millimeter
ø mm	Terminal diameter in millimeter
m	Length in meter
mm	Length in millimeter
ø mm	Diameter in millimeter
mm	Thickness in millimeter
g	Weight in grams
max kg/daN	Indicative working load in kilograms
kg/daN	Indicative breaking load in kilograms
x P	Number of pieces
M	Material
mm	Groove with in millimeter
ø mm	Thread diameter in millimeter
mm	Length of the serting in millimeter
ø mm	interaxial in millimeter
ø mm	Screw diameter in millimeter
x	Number of wheels
ø mm	Wheels diameter in millimeter
ø mm	Interior diameter in millimeter

ATTACH > Synthetic cabled ropes



Polypropylene

Fibrilled white blue thread

Reel	m	ø mm	kg/daN		Gencod
FB6	300	6	612	G2	3 233690 025320
FB6100	100	6	612	G1	3 233690 219118
FB8	160	8	1 071	G2	3 233690 025337
FB10	105	10	1 591	G2	3 233690 025276
FB12	75	12	2 264	G2	3 233690 025283
FB16	38	16	3 916	G2	3 233690 025306
FB18	24	18	4 987	G2	3 233690 025313
FB20	70	20	5 691	G3	3 233690 035671
FB22	50	22	6 885	G3	3 233690 035688
FB24	40	24	8 047	G3	3 233690 049890

Polypropylene

Fibrilled beige

Reel	m	ø mm	kg/daN		Gencod
RB6	300	6	612	G2	3 233690 029700
RB8	160	8	1 071	G2	3 233690 000020
RB12	75	12	2 264	G2	3 233690 029663

Polypropylene

Fibrilled colour

Reel	m	ø mm		kg/daN		Gencod
FC8	160	8	●	1 060	G2	3 233690 025382
FC880	80	8	●	1 060	G1	3 233690 239437
FC10	105	10	●	1 560	G2	3 233690 025344
FC1050	50	10	●	1 560	G1	3 233690 239413
FC12	75	12	●	2 213	G2	3 233690 025351
FC1250	50	12	●	2 213	G1	3 233690 239420
FC14	48	14	●	3 050	G2	3 233690 025368

ATTACH > Synthetic cabled ropes

Polyamide

Reel	m	ø mm		kg/daN		Gencod
NP6	200	6	○	740	G2	3 233690 028215
NP6100	100	6	○	740	G1	3 233690 239444
NP8	120	8	○ / ●	1 350	G2	3 233690 028222
NP10	70	10	○ / ●	1 915	G2	3 233690 028185
NP12	48	12	○ / ●	2 770	G2	3 233690 028192

Polypropylene

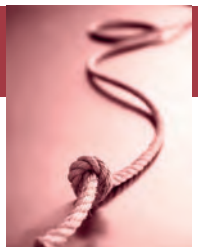
Retracted film	m	ø mm	kg/daN	Gencod
PB1	10	6	602	3 233690 028369
PB2	10	8	1060	3 233690 028376

Polypropylene

Retracted film	m	ø mm		kg/daN	Gencod
PC1	7,50	6	○	602	3 233690 028482
PC2	7,50	8	●	1 060	3 233690 028505
PC3	7,50	10	●	1 560	3 233690 028512
PC4	7,50	12	●	2 213	3 233690 028529
PC5	7,50	14	●	3 050	3 233690 028536
PC6	15	6	○	602	3 233690 028543
PC7	15	8	●	1 060	3 233690 028550
PC8	15	10	●	1 560	3 233690 028567
PC10	15	14	●	3 050	3 233690 028499

ATTACH > Natural cabled ropes

CABLE ROPES



Hemp

Quality EGN

Reel	m	ø mm	kg/daN		Gencod
LC8	125	8	402	G2	3 233690 000013
LC12	54	12	897	G2	3 233690 026853
LC14	50	14	1 208	G2	3 233690 026860
LC16	26	16	1 565	G2	3 233690 026877
LC24	40	24	3 304	G2	3 233690 035695

Sisal

Quality EGN

Reel	m	ø mm	kg/daN		Gencod
SL6	250	6	184	G2	3 233690 030874
SL8	130	8	410	G2	3 233690 030881
SL880	80	8	410	G2	3 233690 239468
SL10	85	10	612	G2	3 233690 030843
SL12	65	12	765	G2	3 233690 030850
SL14	45	14	867	G2	3 233690 030867

Hemp

Quality EGN

Retracted film	m	ø mm	kg/daN	Gencod
RC8	10	8	402	3 233690 029786
RC10	10	10	627	3 233690 029724
RC12	10	12	897	3 233690 029731
RC14	10	14	1 208	3 233690 131045

Sisal

Retracted film	m	ø mm	kg/daN	Gencod
AL4	10	4	97	3 233690 020783
AL8	10	8	410	3 233690 020790
AL10	10	10	612	3 233690 035930
AL12	10	12	765	3 233690 131038

Tether

Retracted film	m	ø mm	M	Gencod
CCH12	4	12	hemp	3 233690 053248

CAMP > Halyards

Polypropylene

Reel	m	ø mm	kg/daN		Gencod
DB2	200	2,0	80	M1	3 233690 023890
DB260	60	2,0	80	MB	3 233690 239154
DB28	200	2,8	100	M1	3 233690 023906
DB2840	40	2,8	100	MB	3 233690 239161
DB3	200	3,0	150	M1	3 233690 023913
DB340	40	3,0	150	MB	3 233690 239178
DB4	100	4,0	185	M1	3 233690 023920
DB440	40	4,0	185	M1	3 233690 239185
DB5	100	5,0	290	M	3 233690 023937
DB6	100	6,0	360	M	3 233690 023944
DB8	100	8,0	685	G2	3 233690 023951
DB880	80	8,0	685	G1	3 233690 239192
DB10	75	10,0	1 040	G2	3 233690 023869
DB1050	50	10,0	1 040	G1	3 233690 239130
DB12	50	12,0	1 420	G2	3 233690 023876
DB14	40	14,0	1 780	G2	3 233690 023883

Retracted film	m	ø mm	kg/daN	Gencod
FDB610	10	6	360	3 233690 244257
FDB620	20	6	360	3 233690 244264
FDB810	10	8	685	3 233690 244271
FDB820	20	8	685	3 233690 244288
FDB1010	10	10	1040	3 233690 244295
FDB1020	20	10	1040	3 233690 244301
FDB1210	10	12	1420	3 233690 244318
FDB1220	20	12	1420	3 233690 244325
FDB1410	10	14	1780	3 233690 244332
FDB1420	20	14	1780	3 233690 244349

White

PLAITED ROPES

CAMP > Halyards

Polypropylene

Reel	m	ø mm		kg/daN		Gencod
DC28J	200	2,8	●	100	M1	3 233690 023999
DC28V	200	2,8	●	100	M1	3 233690 024019
DC28R	200	2,8	●	100	M1	3 233690 024002
DC28B	200	2,8	●	100	M1	3 233690 023982
DC28N	200	2,8	●	100	M1	3 233690 048459
DC40J	100	4,0	●	200	M1	3 233690 024057
DC40J40	40	4,0	●	200	MB	3 233690 239222
DC40V	100	4,0	●	200	M1	3 233690 024071
DC40V40	100	4,0	●	200	MB	3 233690 239253
DC40R	100	4,0	●	200	M1	3 233690 024064
DC40R40	100	4,0	●	200	MB	3 233690 239246
DC40B	100	4,0	●	200	M1	3 233690 024040
DC40N	100	4,0	●	200	M1	3 233690 036111
DC40N40	40	4,0	●	200	MB	3 233690 239239

Polyamide

white

Reel	m	ø mm	kg/daN		Gencod
DPA2	200	2,0	72	M1	3 233690 038733
DPA25	200	2,5	90	M1	3 233690 044239
DPA3	200	3,0	156	M1	3 233690 038740
DPA4	100	4,0	215	M1	3 233690 038757
DPA440	40	4,0	215	MB	3 233690 239260
DPA5	100	5,0	375	M	3 233690 047360
DPA6	100	6,0	460	M	3 233690 044406

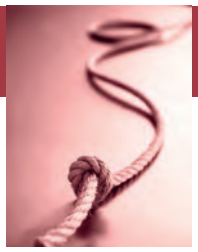
Polyamide

white

Retracted film	m	ø mm	kg/daN	Gencod
DN8	10	8,0	950	3 233690 024200
DN10	10	10,0	1 500	3 233690 024187
DN12	10	12,0	2 100	3 233690 024194

CAMP > Halyards

PLAITED ROPES



Polypropylene

white

Plastic link	m	ø mm	kg/daN	Gencod
DR00	20	2,0	80	3 233690 035893
DR1	10	2,0	80	3 233690 024545
DR2	10	2,8	100	3 233690 024651
DR3	10	3,0	150	3 233690 024668
DR4	10	4,0	185	3 233690 024675
DR5	10	5,0	290	3 233690 024682
DR6	20	2,8	100	3 233690 024699
DR7	20	3,0	150	3 233690 024705
DR13	20	4,0	185	3 233690 024583

Retracted film	m	ø mm	kg/daN	Gencod
FDR1	10	2,0	80	3 233690 067702
FDR3	10	3,0	150	3 233690 067733
FDR4	10	4,0	185	3 233690 067740
FDR5	10	5,0	290	3 233690 067757
FDR7	20	3,0	150	3 233690 066330
FDR13	20	4,0	185	3 233690 066347
DR14	20	5,0	290	3 233690 024590

Polypropylene

white blue theard

Retracted film	m	ø mm	kg/daN	Gencod
DR8	10	6,0	360	3 233690 024712
DR9	7,50	8,0	680	3 233690 024729
DR10	7,50	10,0	1 000	3 233690 024552
DR11	7,50	12,0	1 400	3 233690 024569

Polypropylene + polyamide

Cardboard	m	ø mm	kg/daN		Gencod
DR60	15	6	450	● / ● + ○	3 233690 217916
DR61	15	6	450	● / ● + ○	3 233690 217923
DR62	15	6	450	● / ● + ○	3 233690 217930
DR63	15	6	450	● ● / ● + ○	3 233690 217947

CAMP > **Halyards - Engine start - Ropes for blinds**

PLAITED ROPES

Polypropylene

Plastic link	m	ø mm		kg/daN	Gencod
DC1	20	2,8	●	100	3 233690 023968
DC2	20	2,8	●	100	3 233690 023975
DC3	20	2,8	●	100	3 233690 024026
DC4	20	2,8	●	100	3 233690 024033
DC5	10	4,0	●	185	3 233690 024088
DC6	10	4,0	●	185	3 233690 024095
DC7	10	4,0	●	185	3 233690 024101

Retracted film	m	ø mm		kg/daN	Gencod
FDC2	20	2,8	●	100	3 233690 067573
FDC9	10	2,8	●	100	3 233690 210375

Engine start

Plastic link	m	ø mm		M	kg/daN	Gencod
LM4	2	4,0	○ / ●	pre-drawn polyester	320	3 233690 027164
LM6	2	6,0	○ / ●	pre-drawn polyester	500	3 233690 027171
LM35	5	3,5	○	polyamide	200	3 233690 027157

Retracted film	m	ø mm		M	kg/daN	Gencod
FLM35	5	3,5	○	polyamide	200	3 233690 089827

Safety rope

Polyamide

Reel	m	ø mm	kg/daN		Gencod
CSEP11	75	10,7	3 049	G2	3 233690 134732

Plaited rope for blind

Reel	m	ø mm		M	kg/daN		Gencod
CST1	150	3,0	○	polyester	200	M1	3 233690 078791
CST2	150	3,0	○ / ●	polyester	185	M1	3 233690 078807
CST3	200	2,8	○ / ●	polypropylene	112	M1	3 233690 078814
CST4	300	1,7	○	polyester	95	M1	3 233690 078821
CST5	200	2,3	○	polyester	110	M1	3 233690 078838

PLAITED ROPES

Polyamide

Reel	m	ø mm		kg/daN		Gencod
MO2J	200	2	● / ●	70	M1	3 233690 049906
MO2V	200	2	● / ●	70	M1	3 233690 049913
MO2R	200	2	● / ●	70	M1	3 233690 049920
MO3J	200	3	● / ●	140	M	3 233690 034629
MO3R	200	3	● / ●	140	M	3 233690 034643
MO4	80	4	● / ●	285	M1	3 233690 034650
MO6	100	6	● / ● + ●	710	M	3 233690 034667

Polyester/polyamide

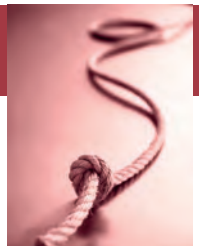
Mini reel	m	ø mm		kg/daN	Gencod
MO325N	25	3	● / ●	200	3 233690 218142
MO325O	25	3	● / ●	200	3 233690 218159
MO325V	25	3	● / ●	200	3 233690 218166
MO325B	25	3	● / ●	200	3 233690 218135

Polypropylene

Mini reel	m	ø mm		kg/daN	Gencod
DR151	200	1,5	○	40	3 233690 237662
DR152	200	1,5	●	40	3 233690 237686
DR251	150	2,5	○	80	3 233690 237679
DR252	150	2,5	●	80	3 233690 237693

Polypropylene

Plastic support	m	ø mm		kg/daN	Gencod
DFBL	50	1,5	●	24	3 233690 223849
DFJN	50	1,5	●	24	3 233690 223856
DFRS	50	1,5	●	24	3 233690 223863
DFVR	50	1,5	●	24	3 233690 223870



Polypropylene

Retracted film	g	m ≈	ø mm ≈	kg/daN		Gencod
PPV1B	100	90	1,60	39	●	3 233690 032649
PPV1BL	100	90	1,60	39	○	3 233690 032632
PPV1J	100	90	1,60	39	●	3 233690 032670
PPV1O	100	90	1,60	39	●	3 233690 032663
PPV1V	100	90	1,60	39	●	3 233690 032656
PPV2	250	80	2,50	99	○	3 233690 032687
PPV3	1000	450	2,25	68	○	3 233690 029397

Polyester

Retracted film	g	m ≈	kg/daN	Gencod
RAV1	50	79	23	3 233690 032229
RAV2	100	158	23	3 233690 032236

Polyamide

Retracted film	m	ø mm ≈	kg/daN	Gencod
RN15	50	1,5	45	3 233690 035350
RN20	50	2,0	72	3 233690 035367
RN25	50	2,5	90	3 233690 035374

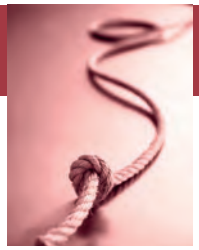
Alimentary thread Polyester

Retracted film	g	m ≈	Gencod
R'TCUI	40	100	3 233690 029557

Alimentary thread Polyester

Retracted film	g	m ≈	Gencod
FALIM	40	100	3 233690 236962

BIND > Natural theads



Sisal

Retracted film	g	m ≈	ø mm ≈	kg/daN	Gencod
SIV1	50	18	2,0	43	3 233690 030744
SIV2	100	36	2,0	43	3 233690 030768
SIV3	250	90	2,0	43	3 233690 030775
SM1N	250	50 (rolls)	2,5	-	3 233690 030935
SIV5	250	45	2,8	88	3 233690 030799
SIV6	500	90	2,8	88	3 233690 030805
SIV7	1 000	180 (rolls)	2,8	88	3 233690 030812
SIV8	2 500	450	2,8	88	3 233690 030829
SIV10	2 500	300	3,5	133	3 233690 030751

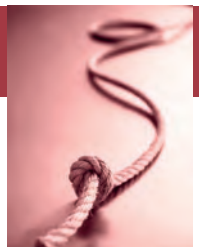
Raffia

Paper label		g	Gencod
RAPHMA	●	50	3 233690 237631
RAPHME	●	50	3 233690 237648
RAPHNA	●	50	3 233690 237624
RAPHPO	●	50	3 233690 237655

Flax

Retracted film	g	m ≈		kg/daN	Gencod
LIV1	50	85	○	10	3 233690 027065
LIV2	100	170	○	10	3 233690 027072
LIV3	50	85	●	9	3 233690 027089
LIV4	100	170	●	9	3 233690 027096
LIV5	100	90	●	17	3 233690 027102
LIV6	250	120	●	25	3 233690 027119
LIV7	250	60	●	40	3 233690 027126
LIV8	500	120	●	40	3 233690 027133

Mason's lines - Agricultural twine



Mason's line Natural twisted cotton

Retracted film	g	m ≈	ø mm ≈	kg/daN	Gencod
CCV1	100	60	1,5	9	3 233690 022947
CCV2	100	30	2,5	20	3 233690 022954
CCV20	1000	285 (rolls)	2,5	20	3 233690 036722
CCV3	100	20	3,0	35	3 233690 022961

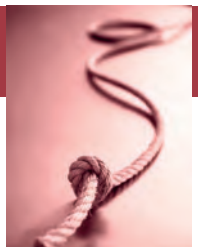
Mason's line Unbleached braided cotton

Retracted film	g	m ≈	ø mm ≈	kg/daN	Gencod
CTV1	100	66	1,5	15	3 233690 023784
CTV2	100	36	2,5	21	3 233690 023791
CTV3	100	24	3,0	32	3 233690 023807

Agricultural twine

Jute + steel wire

Retracted film	g	m ≈	ø mm ≈	Gencod
FJU1	250	190	1	3 233690 266082



HANG > Clotheslines - Extensible rod

Polypropylene clothesline

With clamp

Cardboard	x P	m ≈	ø mm ≈		CORE	Gencod
LP1BL	1	10	2,6	○	rayon	3 233690 031802
LP1V	1	10	2,6	●	rayon	3 233690 031826
LP2BL	1	20	2,6	○	rayon	3 233690 031840
LP2V	1	20	2,6	●	rayon	3 233690 027232
LA1BL	1	10	2,7	○	metal	3 233690 031888
LA1V	1	10	2,7	●	metal	3 233690 031901

Retracted film	x P	m ≈	ø mm ≈		CORE	Gencod
FLP2BL	1	20	2,6	○	rayon	3 233690 068952
FLP2V	1	20	2,6	●	rayon	3 233690 073581
FLA1V	1	10	2,7	●	metal	3 233690 073499
LA2BL	1	20	2,7	○	metal	3 233690 031925
LA2V	1	20	2,7	●	metal	3 233690 031949

PVC clothesline

Reel	m ≈	ø mm ≈	CORE		Gencod
BE1	300	5	metal cable	G2	3 233690 063711

Retractable Clothesline

Blister pack	x P	m ≈	ø mm ≈	CORE	Gencod
CLRETR	1	2,20	3,2	polypropylene	3 233690 186359

Extensible rod Platic coated

*x4

Reel	m	ø mm	ø mm		Gencod
BX1	160	3,35	4	M	3 233690 033752

Blister pack	x P	m	ø mm	ø mm	Gencod
TX1*	1	1,80	3,35	4	3 233690 032328

HANG > Nylon lines - Hammoc fixing kit

Fil nylon

Blister pack	x P	m ≈	ø mm ≈	kg/daN	Gencod
NY1	1	10	1	10	3 233690 032335

Plastic bag	x P	m ≈	ø mm ≈	kg/daN	Gencod
VNY1	1	10	1	10	3 233690 071938

Fil nylon

Cardboard	x P	m ≈	ø mm ≈	kg/daN	Gencod
NY2	1	100	0,4	9,77	3 233690 036654
NY3	1	100	0,6	20	3 233690 198291
NY4	1	15	1	46	3 233690 263272
NY5	1	15	2	128	3 233690 263289

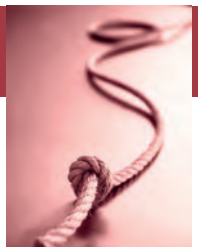
Hammoc fixing kit

Hanging cardboard	x P	kg max	Gencod
KIT15	1	160	3 233690 215899

Contains :
- 2 x 3 m of rope Ø 8 mm
- 2 rings on plate square Ø 6 mm
- 2 Carbine hooks - Length 100 mm
- 2 rope clips
- 2 adjusting rings with tongue
- 8 wall screws 4 x 35 mm
- 8 plugs 8 x 31 mm

HOLD > Rubber cables

RUBBER CABLES



Rubber cable

Braided sheath
Rubber core

Reel	m	ø mm		kg/daN		Gencod
EL4	300	4	●	40	G1	3 233690 036531
EL450	50	4	●	40	M1	3 233690 239314
EL5	200	5	●	56	G1	3 233690 053545
EL6	200	6	●	91	G2	3 233690 024842
EL8	160	8	●	102	G2	3 233690 024859
EL880	80	8	●	102	G1	3 233690 239550
EL10	80	10	●	153	G2	3 233690 024835
EL1050	80	10	●	153	G1	3 233690 239307

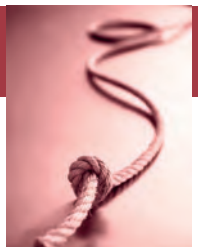
Rubber cable

Braided sheath
Rubber core

Retrated film	m	ø mm		kg/daN	Gencod
CCE410	10	4	●	40	3 233690 126577
CCE610	10	6	●	91	3 233690 126591
CCE810	10	8	●	102	3 233690 126614
CCE1010	10	10	●	153	3 233690 130970
CCE1020	20	10	●	153	3 233690 130987

HOLD > Rubber cables

RUBBER CABLES



Rubber cable

Braided sheath
Rubber core

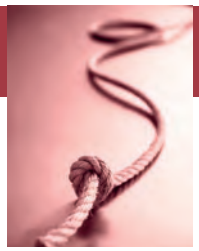
Reel	m	ø mm		kg/daN		Gencod
ELBL470	70	4	○	40	M1	3 233690 240785
ELB6	200	6	●	91	G2	3 233690 092544
ELB6100	100	6	●	91	G1	3 233690 205241
ELB8	160	8	●	102	G2	3 233690 092919
ELB8100	100	8	●	102	G1	3 233690 205258
ELBL8	160	8	○	102	G2	3 233690 134985
ELBL880	80	8	○	102	G1	3 233690 239321
ELBL10	80	10	○	153	G2	3 233690 134992

Rubber cable

Braided sheath
Rubber core

retrated film	m	ø mm		kg/daN	Gencod
CEL1	5	6	●	91	3 233690 034315
CEL2	10	6	●	91	3 233690 034322
CEL4	5	8	●	102	3 233690 131007
CEL5	10	8	●	102	3 233690 131014
CEL6	20	8	●	102	3 233690 131021
CEL7	20	4	○	40	3 233690 217886
CEL8	20	4	●	40	3 233690 217893

RUBBER CABLES



HOLD > Hooks for rubber cable - Rubber bands

Hook for rubber cable

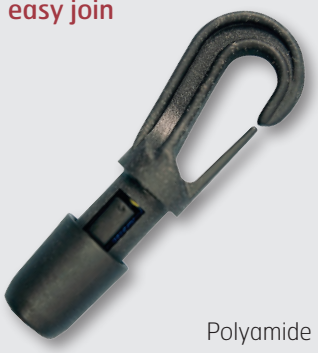
Plastic coated steel

*Zinc plated steel

Blister pack	x P	ø mm	Gencod
PL4*	4	4	3 233690 044260
PL6	4	6	3 233690 028796
PL8	4	9	3 233690 028802
PL10	4	10	3 233690 028758

plastic bag	x P	ø mm	Gencod
VPL6	2	6	3 233690 072379
VPL8	2	8	3 233690 072386

Hook for rubber cable easy join



Polyamide

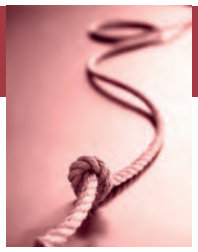
Blister pack	x P	ø mm	Gencod
SAN6	2	5/6	3 233690 054832
SAN8	2	8	3 233690 054856

Rubber bands assorted

Plastic bag with pin	mm	g	Gencod
LAST1	30-50-75 mm	30	3 233690 036784
LAST2	30-50-75 mm	60	3 233690 036791

Square rubber band for camping

Plastic bag with pin	x P	mm	ø mm	Gencod
LAST3	10	80	5	3 233690 092766
LAST4	10	120	5	3 233690 092780



ATTACH > Rings - Blind cord blocking device

Stable ring

Zinc plated steel

Bulk with label	mm	ø mm	ø mm	max kg/daN	Gencod
440/10x80Z	80	M10	50	300	3 233690 005957
440/10x100Z	100	M10	50	300	3 233690 052005
440/10x120Z	120	M10	50	300	3 233690 052012

Stable ring

Zinc plated steel

Bulk with label	mm	ø mm	ø mm		max kg/daN	Gencod
4457Z	50	M7	50	●	300	3 233690 219286
4457ZN	50	M7	50	●	300	3 233690 219293
445/10x55Z	55	M10	50	●	300	3 233690 033349

Sealing ring

Zinc plated steel

Bulk with label	mm	ø mm	ø mm	max kg/daN	Gencod
430/10x35Z	35	10	50	300	3 233690 033325
430/10x110Z	110	10	50	300	3 233690 033332

Blind cord blocking device

Nickel plated Zamak

Blister pack	x P	mm	Gencod
AD00	1	66	3 233690 063728
AD1	1	113	3 233690 020684

Plastic bag	x P	mm	Gencod
VAD1	1	113	3 233690 068761

ATTACH > Mobile ring on plate - Hooks

Mobile ring on plate

Zinc plated steel

Bulk in bag	x P	ø mm	mm		mm	Gencod
890/7Z	20	7	50	●	70 x 45	3 233690 098256

Bulk with label	ø mm	mm		mm	Gencod
890G7Z	7	50	●	70 x 45	3 233690 220428
8907ZN	7	50	●	70 x 45	3 233690 219323

Tank hooks

Zinc plated steel

Blister pack	x P	mm	Gencod
CBA1	2	31 x 15	3 233690 022886
CBA2	2	41 x 15	3 233690 022893

Plastic bag	x P	mm	Gencod
VCBA1	2	31 x 15	3 233690 069089
VCBA2	2	41 x 15	3 233690 069096

Wire hook

Zinc plated steel

Blister pack	x P	ø mm	mm	Gencod
CRF1	1	8,0	98	3 233690 092803

Bulk with label	ø mm	mm	Gencod
8602Z	8,0	98	3 233690 242291

ATTACH > Hooks

Gymnasium hook with nut

Zinc plated steel

Bulk with label	mm	ø mm	Gencod
450/12x70Z	70	M12	3 233690 005995
450/12x155Z	155	M12	3 233690 005988

Gymnasium hook with screw nail

Zinc plated steel

Bulk with label	mm	ø mm	Gencod
455/12x90Z	90	M12	3 233690 006015
455/14x120Z	12	M14	3 233690 006022

Swing hook + spring hook

Zinc plated steel

Bulk with label	mm	mm	Gencod
918Z	100	250	3 233690 266099

Fixed hook + plate

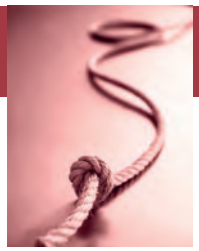
Zinc plated steel

Bulk with label	ø mm		mm	Gencod
8607Z	7	●	45 x 45	3 233690 219309
8607ZN	7	●	45 x 45	3 233690 219316

Mobile hook + plate

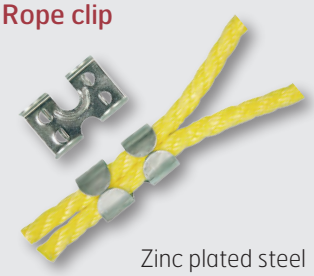
Zinc plated steel

Bulk with label	ø mm		mm	Gencod
8927Z	7	●	70 x 45	3 233690 219330
8927ZN	7	●	70 x 45	3 233690 219347
860/1Z	9	●	65 x 45	3 233690 147169



ATTACH > Rope clips - Adjusting rings with tongue - Tent pegs

Rope clip



Zinc plated steel

Blister pack	x P	ø mm	Gencod
FR1	2	10	3 233690 051596

Adjusting ring with tongue

Zinc plated steel

Blister pack	x P	ø mm	ø mm	Gencod
HR2	2	7	16	3 233690 026716

Angle peg

Galvanised steel

Blister pack	x P	mm	mm	Gencod
PTC1	10	1	180	3 233690 092483
PTC2	5	1	230	3 233690 092902

Wire peg

Galvanised steel (PTF)
Aluminium (PTFA)

Blister pack	x P	ø mm	mm	Gencod
PTF1	10	4	180	3 233690 092551
PTF2	5	4	240	3 233690 092568

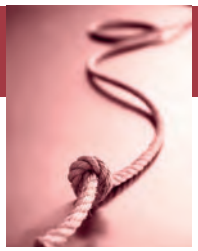
Blister pack	x P	ø mm	mm	Gencod
PTFA1	10	5	180	3 233690 092582

Reinforced Wire peg

Galvanised steel

Blister pack	x P	ø mm	mm	Gencod
PTFR1	5	7	220	3 233690 092612

Wheels block - Wheels for pulley - Pulleys



3 wheels block

Zinc plated steel case

Bulk with label	mm	Ø mm	max kg/daN	Gencod
426/250Z	8/10	40	250	3 233690 005919
426/500Z	10/12	50	500	3 233690 005926

Polyamide wheels

Wheel

Polyamide

Blister pack	x P	mm	Ø mm	Gencod
GA1	2	8	32	3 233690 025924
GA2	1	10	40	3 233690 025931
GA3	1	12	50	3 233690 025948

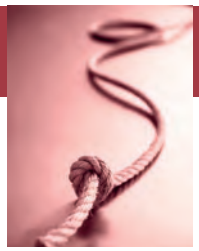
1 wheel pulley with pivoting swivel

Nickel plated zamak
Brass wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
PSE00	2	5	17,5	27	3 233690 054689
PSE1	1	5	24	36	3 233690 029458
PSE2	1	7	32	45	3 233690 029465
PSE3	1	7	35	45	3 233690 029472

Plastic bag	x P	mm	Ø mm	max kg/daN	Gencod
VPSE2	1	7	32	45	3 233690 072904
VPSE3	1	7	35	45	3 233690 072911

Bulk in bag	x P	mm	Ø mm	max kg/daN	Gencod
851/38N	10	7	35	45	3 233690 039143



1 wheel pulley with fixed eye

Nickel plated zamak
Brass wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
PSF1	1	5	24	50	3 233690 029496
PSF2	1	7	32	100	3 233690 029502

Plastic bag	x P	mm	Ø mm	max kg/daN	Gencod
VPSF00	2	5	17,5	27	3 233690 070757
VPSF1	1	5	24	50	3 233690 072942
VPSF2	1	7	32	100	3 233690 072959
VPSF3	1	7	35	109	3 233690 072966

Bulk with label	mm	Ø mm	max kg/daN	Gencod
852G/32N	7	32	100	3 233690 134824

2 wheels pulley with fixed eye

Nickel plated zamak
Brass wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
PDF1	1	5	24	50	3 233690 028581
PDF2	1	7	36	82	3 233690 028598

Fork pulley

Zinc plated steel
Polyamide wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
PCP00	1	6	25	10	3 233690 036418
PCP1	1	6	40	20	3 233690 036425
PCP2	1	8	60	40	3 233690 036432
PCP3	1	8	75	50	3 233690 036449

Plastic bag	x P	mm	Ø mm	max kg/daN	Gencod
VPCP1	1	6	40	20	3 233690 072140
VPCP2	1	8	60	40	3 233690 069256

Pulley with hook "heavy standard"

Zinc plated steel
Polyamide wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
POC1	1	10	40	63	3 233690 029113
POC2	1	12	50	100	3 233690 029120

Pulley with hook "light standard"

Zinc plated steel
Polyamide wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
PCL01	1	6	25	10	3 233690 035640
PCL1	1	6	32	15	3 233690 034421
PCL2	1	6	40	10	3 233690 034438
PCL3	1	7	50	15	3 233690 034445
PCL4	1	8	60	40	3 233690 034452
PCL5	1	8	75	50	3 233690 034469

Plastic bag	x P	mm	Ø mm	max kg/daN	Gencod
VPCL01	1	6	25	10	3 233690 069898
VPCL1	1	6	32	15	3 233690 072089
VPCL2	1	6	40	10	3 233690 072096
VPCL4	1	8	60	40	3 233690 072119

Pulley with a reinforced hook

Zinc plated steel

Bulk with label	mm	Ø mm	max kg/daN	Gencod
425/80Z	15/17	80	250	3 233690 032588

Well pulley

Stamped steel

Bulk with label	mm	Ø mm	Gencod
425/160	25	160	3 233690 034001

Pulley with piton

Zinc plated steel
Polyamide wheel

Blister pack	x P	mm	Ø mm	x	max kg/daN	Gencod
POS01	2	6,5	20	1	10	3 233690 036593
POS1	1	6	32	1	15	3 233690 029236

Pulley with long screw

Zinc plated steel
Polyamide wheel

Blister pack	x P	mm	Ø mm	max kg/daN	Gencod
POV00	1	5	15	5	3 233690 035619
POV01	1	6	25	10	3 233690 035626
POV1	1	6	40	20	3 233690 029243
POV20	1	8	60	40	3 233690 034483

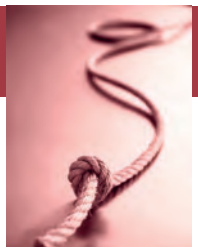
Drying cupboard pulley

Zinc plated steel

Blister pack	x P	mm	Ø mm	Gencod
PSL1	2	3	12	3 233690 029533

Plastic bag	x P	mm	Ø mm	Gencod
VPSL1	2	3	12	3 233690 072973

Stiffeners - Turnbuckle - Halyard clips



Clothesline and rope stiffener

Polyamide

Blister pack	x P	ø mm	Gencod
RACL	1	2 - 6	3 233690 113645

Camping rope turnbuckle

Aluminium

Plastic bag with pin	x P	ø mm	Gencod
TLC1	10	4	3 233690 092629

Clothesline turnbuckle

Plastic

Blister pack	x P	ø mm	Gencod
TL1	4	3	3 233690 048718

Halyard clip

Polyacetal

Blister pack	x P	ø mm	Gencod
CSO65	4	5	3 233690 047896

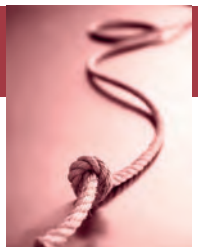
Halyard clip

Zinc plated zamak

Blister pack	x P	ø mm	Gencod
SD2	2	2	3 233690 051763
SD4	2	4	3 233690 051770
SD6	2	6	3 233690 051787

Plastic bag	x P	ø mm	Gencod
VSD6	1	6	3 233690 073956

Clips - Clamping rings - Loop links



Reusable clips

Polyethylene

Plastic bag with pin	x P	mm	Gencod
ATTA01	25	140	3 233690 254560
ATTA02	15	168	3 233690 254577

Closure clips

Polyethylene

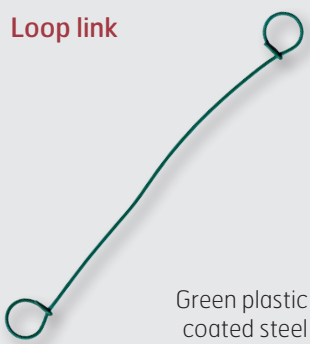
Plastic bag with pin	x P	mm	Gencod
CLIP01	40	35	3 233690 254553

Clamping ring

Polyamide

Plastic bag with pin	x P	mm	mm	Gencod
COLR1	20	2,5	142	3 233690 237563
COLR2	15	3,5	203	3 233690 237570
COLR3	10	4,8	280	3 233690 237587

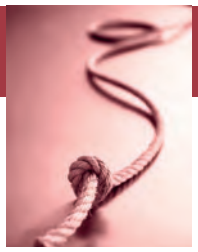
Loop link



Green plastic coated steel

Plastic bag with pin	x P	mm	Gencod
LIBP01	10	160	3 233690 254584

SECURE > Stair rail ropes



Seven-strand hamp rope

Reel	m	ø mm			Gencod
SEP32	20	32	7		3 233690 030553

Only sold per meter.

Fibril Polypropylene

Reel	m	ø mm			Gencod
SEP32BE	20	32	4		3 233690 030560

Only sold per meter.

Multifilament Polypropylene

Reel	m	ø mm			Gencod
CPG	20	32	4		3 233690 093787
CPO	20	32	4		3 233690 093770
CPM	20	32	4		3 233690 093763
CPNR	20	32	4		3 233690 206071

Only sold per meter.

All these ropes can be sold as a subsidiary brand (see our pricelist).

SECURE > Handrail rope accessories

Ring

Solid brass

Blister pack	x P	F	ø mm	Gencod
AR00	1	varnish finish	35	3 233690 034209
AR1	1	varnish patinated	35	3 233690 047339
AR6	1	satin-finish aluminium	35	3 233690 206262

Plastic bag	x P	F	ø mm	Gencod
VAR00	1	varnish finish	35	3 233690 068839

Include : ROPE fastening : 1 cone set screw
WALL fastening : 1 wood/metal screw, 1 metal/metal srew

Springer

Solid brass

Blister pack	x P	F	ø mm	Gencod
NR00	1	varnish finish	35	3 233690 034216
NR1	1	varnish patinated	35	3 233690 047346
NR6	1	satin-finish aluminium	35	3 233690 206279

Plastic bag	x P	F	ø mm	Gencod
VNR00	1	varnish finish	35	3 233690 071839

Include : ROPE fastening : 1 cone set screw
WALL fastening : 1 wood/metal screw, 1 metal/metal srew

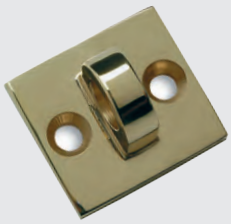
Snap hook springer

Solid brass

Blister pack	x P	F	ø mm	Gencod
CPC2	1	varnish finish	33,5	3 233690 101383

Include 1 screw for rope mounting

Wall hanging plate



Solid brass

Blister pack	x P	F	mm	Gencod
PMU2	1	varnish finish	32 x 29	3 233690 101390

Include 2 screws for wall mounting

STRAPS

Straps on reels **P 99-100**

Accessories **P 101-104**

Grip tapes **P 105-110**

USEFUL INFORMATION

NATURAL MATERIALS

Cotton, hessian and latex are natural materials :

- Biodegradable.
- Flexible.
- Hessian can be dyed.
- Latex has a great stretch coefficient.

They are used for :

- Domestic use.
- Sport : judo.
- Household uses: bedding and carpeting.

SYNTHETIC MATERIALS

Polypropylene, polyamide and polyester offer the following characteristics :

- Will not rot.
- Good traction resistance before breaking.
- Good rupture resistance.
- Good UV resistance.
- Very good abrasion resistance.

They are used for applications in the following areas :

- Handling.
- Roller blinds.

CAPTION

Reel type

Colour

Dimensions in millimeter

Length in meter

Width in millimeter

Indicative working load in kilograms

Indicative breaking load in kilograms

Number of pieces

Strap length in meter

Button diameter in millimeter

Swivel diameter in millimeter

Interior diameter in millimeter

RESTORE > Natural and synthetic material straps

Natural coloured serged cotton

Reel	m	mm	Gencod
B/GG125	25	25	3 233690 238744

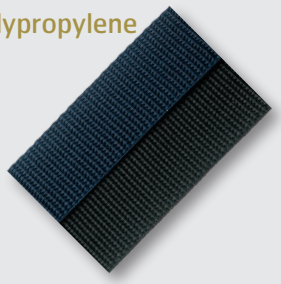
Cotton

Reel	m	mm	kg/daN	Gencod
B/GO3E20	20	40	140	3 233690 238850

Red striped natural coloured jute

Reel	m	mm	Gencod
B/GJ00	40	40	3 233690 037088
B/GJ120	20	60	3 233690 238768
B/GJ220	20	85	3 233690 238775

Polypropylene



Reel	m	mm		kg/daN	Gencod
B/PP25N25	25	25	●	255	3 233690 238942
B/PP30M25	25	30	●	306	3 233690 238966
B/PP30N25	25	30	●	306	3 233690 238959

Rainbow Polypropylene

Reel	m	mm	kg/daN	Gencod
B/GAC125	25	25	408	3 233690 238676

Synthetic material straps - Elastic straps

Polypropylene

For sliding blinds

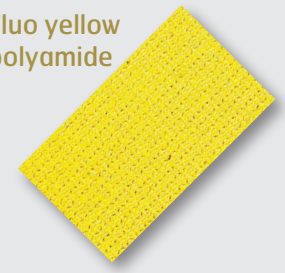
Reel	m	mm	kg/daN	Gencod
B/GR125	25	15	214	3 233690 240631
B/GR225	25	18	265	3 233690 240648

Cardboard	m	mm	kg/daN	Gencod
SPP1	5,50	15	214	3 233690 031062
SPP2	5,50	18	265	3 233690 031079
SPP3	5,50	20	285	3 233690 031086

Red polypropylène

Reel	m	mm	kg/daN	Gencod
B/GD135	35	25	867	3 233690 238683
B/GD230	30	30	1 020	3 233690 238690

Fluo yellow polyamide



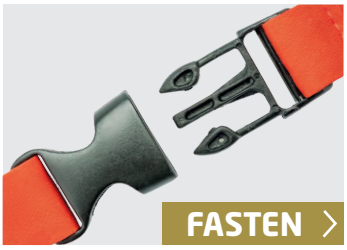
Reel	m	mm	Gencod
B/PP13J20	20	25	3 233690 238911

Elastic naural pur latex

Reel	m	mm	Gencod
B/GX212	12	80	3 233690 240679

Elastic mocke gray

Reel	m	mm	Gencod
B/GE120	20	60	3 233690 205333



FASTEN > Buckle for straps

Buckle with moveable strap guide

Nickel plated steel

Blister pack	x P	ø mm	mm	Gencod
GC2	2	2,7	25	3 233690 026082

Plastic bag	x P	ø mm	mm	Gencod
VGC2	2	2,7	25	3 233690 070665

Lever buckle

Polyacétal

Blister pack	x P	mm	Gencod
CBL25	2	25	3 233690 047377

Swift opening buckle

Polyamide

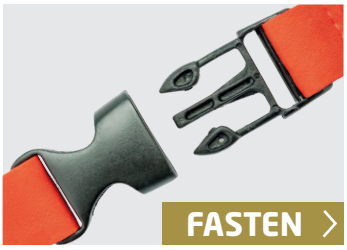
Blister pack	x P	mm	Gencod
COR25	2	25	3 233690 047544
COR30	2	30	3 233690 047551
COR40	1	40	3 233690 047568

Plastic bag	x P	mm	Gencod
VCOR25	2	25	3 233690 069386

Adjustable buckle

Polyamide

Blister pack	x P	mm	Gencod
CBR25	2	25	3 233690 047469



FASTEN > Buckles - Self locking clip - Spring hooks

Closing buckle

Polyamide

Blister pack	x P	mm	Gencod
CBS25	2	25	3 233690 047445
CBS30	2	30	3 233690 047452

Sachet	x P	mm	Gencod
VCBS30	2	30	3 233690 069164

Self locking clip

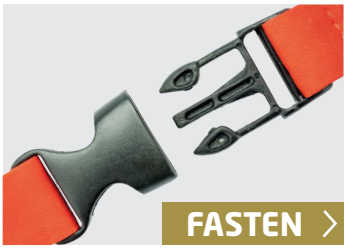
Zamak

Blister pack	x P	mm	Gencod
BR1	2	25	3 233690 022541

"Pump" snap hook with swivel

Nickel plated zamak

Blister pack	x P	mm	Ø mm	Gencod
PMR1	1	82	25	3 233690 053804



FASTEN > Press studs - Closing clips

Press stud

Brass with assembly set

Blister pack	x P	ø mm	USE	Gencod
PR1	12	15	fabric on fabric	3 233690 029427

Press stud

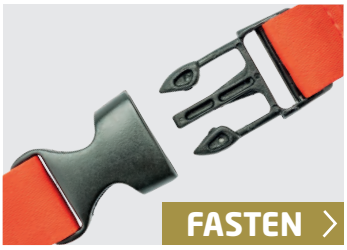
Nickel plated brass with assembly set

Blister pack	x P	ø mm	USE	Gencod
PR3	12	15	wood screw fastening device fabric on wood	3 233690 099727

Turned closing clip with central screw

Nickel plated brass

Blister pack	x P	mm	USE	Gencod
FTB2	3	20 x 25 x 17	fabric on wood	3 233690 099697
FTB3	3	20 x 25 x 20	fabric on wood	3 233690 099703



Tank eyelet

Brass with rivet and assembly set

Blister pack	x P	ø mm	Gencod
OB1	50	6	3 233690 028260
OB2	25	8	3 233690 028277
OB3	25	10	3 233690 028284

Plastic bag	x P	ø mm	Gencod
VOB1	50	6	3 233690 069775
VOB2	25	8	3 233690 069782
VOB3	25	10	3 233690 069799

Tank eyelet

Brass with rivet plate

Blister pack	x P	ø mm	Gencod
OE1	50	6	3 233690 035992
OE2	25	8	3 233690 036005
OE3	25	10	3 233690 036012

Versatile coiling unit with slewing case

Blister pack	x P	m	mm	ø mm	Gencod
EM0	1	5	14	4	3 233690 094432

Strap's maximal tension : 14 turns

Slewing coiling unit

Blister pack	x P	m	mm	Gencod
EN0	1	5	20-22	3 233690 024880

FIX > Adhesive grip tapes

GRIP TAPES

Reel	m		mm	Gencod
B/RG2015	15	○	20	3 233690 238973
B/RGN2015	15	●	20	3 233690 238997

VELCRO®

SPECIAL GARDEN >

Reusable tree tie

Cardboard	m		mm	Gencod
VEL-EC60201	5	●	50	5 030610 602016

Reusable garden cable tie

Cardboard	x P	mm		mm	Gencod
VEL-EC60252	6	38	●	12	5 030610 602528

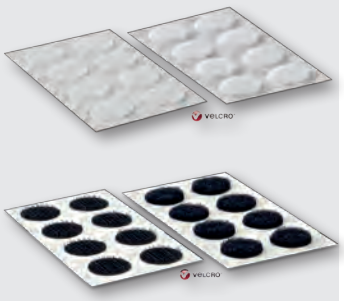
VELCRO®

STANDARD BIND

Super slim oval stick on

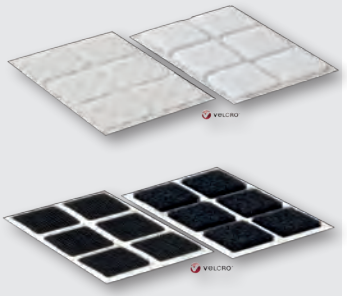
Cardboard	x P		mm	Gencod
VEL-EC60212	18	○	35 x 12	5 030610 602122

Round stick on



Cardboard	x P		ø mm	Material	Gencod
VEL-EC60227	16	○	16	loop + hook	5 030610 602276
VEL-EC60234	448	○	19	only hook	5 030610 602344

Square stick on



Cardboard	x P		mm	Gencod
VEL-EC60235	24	○	25	5 030610 602351
VEL-EC60236	24	●	25	5 030610 602368

VELCRO®

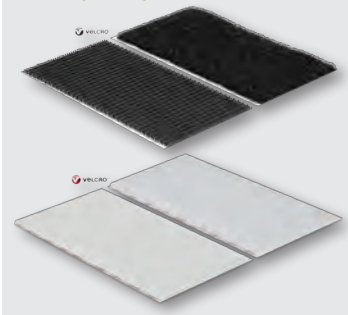
STANDARD BIND

Adhesive tape

Cardboard	m		mm	Material	Gencod
VEL-EC60224	0,50	○	20	loop + hook	5 030610 602245
VEL-EC60225	0,50	●	20	loop + hook	5 030610 602252
VEL-EC60210	1	○	20	loop + hook	5 030610 602108
VEL-EC60211	1	●	20	loop + hook	5 030610 602115
VEL-EC60214	2,50	○	20	loop + hook	5 030610 602146
VEL-EC60215	2,50	●	20	loop + hook	5 030610 602153
VEL-EC60221	10	●	20	loop + hook	5 030610 602214
VEL-EC60222	10	○	20	only loop	5 030610 602221
VEL-EC60356	25	○	25	loop + hook	5 030610 603563
VEL-EC60369	25	○	50	only loop	5 030610 603693
VEL-EC60370	25	●	50	only loop	5 030610 603709

EXTRA STRONG

Heavy duty stick on



Cardboard	x P		mm	Gencod
VEL-EC60239	2	●	50 x 10	5 030610 602399
VEL-EC60240	2	○	50 x 10	5 030610 602405

Heavy duty adhesive tape

Cardboard	m		mm	Gencod
VEL-EC60241	1	●	50	5 030610 602412
VEL-EC60242	1	○	50	5 030610 602429
VEL-EC60244	5	○	50	5 030610 602443

GRIP TAPES

CLAMPING RINGS

Reusable grip clamping ring tie

Cardboard	x P		cm	mm	Gencod
VEL-EC60250	5	● ● ● ● ●	10	50	5 030610 602504

Reusable grip clamping ring tape

Cardboard	m		mm	Gencod
VEL-EC60254	5	●	30	5 030610 602542

AJUSTABLE STRAPS

Stretch strap with buckle

Cardboard	x P		cm	mm	Gencod
VEL-EC60324	2	●	68	25	5 030610 603242

SEW & STICK

Mixed tape :
- 1 part to be sewn
- 1 part to be stuck

Cardboard	m		mm	Gencod
VEL-EC60265	1	○	20	5 030610 602658
VEL-EC60266	1	●	20	5 030610 602665
VEL-EC60258	5	○	20	5 030610 602580

Srew on tape

Cardboard	m		mm	Material	Gencod
VEL-EC60299	1	●	20	loop + hook	5 030610 602993
VEL-EC60289	10	●	20	loop + hook	5 030610 602894
VEL-EC60451	25	○	25	only loop	5 030610 604515
VEL-EC60452	25	●	25	only loop	5 030610 604522
VEL-EC60283	10	●	50	loop + hook	5 030610 602832
VEL-EC60286	25	○	20	loop + hook	5 030610 602863
VEL-EC60287	25	●	20	loop + hook	5 030610 602870

EASY HANG STRAPS WITH SPRING HOOK

Hook and loop Reusable S-sized

Polyamide/polypropylene strap
Zing plated steel spring hook

Cardboard	cm	mm	kg/daN	Gencod
VEL-EC60393	43	25	40	5 030610 603938

Hook and loop Reusable M-sized

Polyamide/polypropylene strap
Zing plated steel spring hook

Cardboard	cm	mm	kg/daN	Gencod
VEL-EC60394	63	25	80	5 030610 603945

Hook and loop Reusable L-sized

Polyamide/polypropylene strap
Zing plated steel spring hook

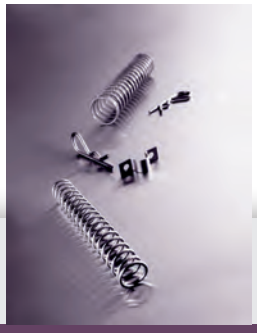
Cardboard	cm	mm	kg/daN	Gencod
VEL-EC60395	83	40	120	5 030610 603952

NOTES

MECHANICAL ASSESSORIES

Fasteners	**P 115**
Circlips	**P 115**
Clamps	**P 116**
Pins	**P 117**
Retaining brackets	**P 117**
Spring clips	**P 118-119**
Springs	**P 120-121**

USUAL INFORMATION



CAPTION

ø mm — Body diameter in millimeter

mm — Head diameter in millimeter

ø mm — Interior diameter in millimeter

ø mm — Outside diameter in millimeter

m — Length in meter

mm — Length in millimeter

ø mm — Diameter in millimeter

mm — Interaxial in millimeter

mm — Interior width in millimeter

max kg/daN — Indicative working load in kilogram

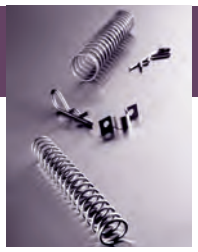
Ø mm — Clamping diameter in millimeter

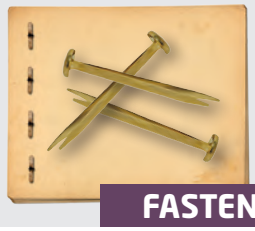
mm — Spring length in millimeter

Ø mm — Spring outside diameter in millimeter

x P — Number of pieces

mm — Dimensions in millimeter





FASTEN > Fasteners - Circlips

Fastener

Brass plated steel

Blister pack	x P	ø mm	mm	Gencod
AP30	20	9	13	3 233690 215226
AP50	10	10	50	3 233690 215257

Assortment of outside circlips

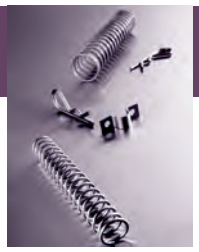
Spring steel

Blister pack	x P	ø mm	Gencod
CLE24	24	3 à 14	3 233690 240587

Assortment of interior circlips

Spring steel

Blister pack	x P	ø mm	Gencod
CLI16	16	8 à 15	3 233690 240594



FIX > Clamps

Square clamp for pipes + plate

Zinc plated steel with fitted nuts

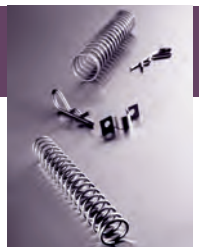
Blister pack	x P	mm	mm	mm	Gencod
BFC1	2	M6	31	48 x 14	3 233690 240556
BFC2	2	M8	41	62 x 17	3 233690 240563

Clamp for pipes

Zinc plated steel with fitted nuts

Blister pack	x P	mm	mm	Gencod
FT1	4	M6	13	3 233690 025849
FT2	3	M6	17	3 233690 025856
FT3	3	M6	21	3 233690 025863
FT4	2	M8	27	3 233690 025870
FT5	2	M8	34	3 233690 025887
FT6	2	M8	42	3 233690 025894

Plastic bag	x P	mm	mm	Gencod
VFT2	2	M6	17	3 233690 070450
VFT3	2	M6	21	3 233690 070467
VFT4	2	M8	27	3 233690 070474
VFT5	2	M8	34	3 233690 070481
VFT6	2	M8	42	3 233690 070498



FIXER > Retaining brackets - Spring clips

Retaining bracket

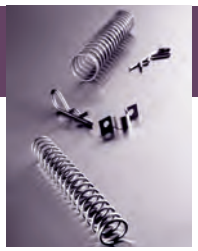
Zinc plated steel

Blister pack	x P	⌀ mm	mm	mm	mm	Gencod
PFT46	6	4	10	29	1	3 233690 240020
PFT66	6	6	10	32	1	3 233690 240037
PFT8	2	8	10	34	1	3 233690 094500
PFT10	2	10	10	34	1	3 233690 094517
PFT12	2	12	12	46	1,5	3 233690 094524
PFT15	2	15	12	50	1,5	3 233690 094531
PFT18	2	18	12	50	1,5	3 233690 094548
PFT20	2	20	12	52	1,5	3 233690 094555

Spring clip

Zinc plated steel

Blister pack	x P	⌀ mm	Gencod
PRA16	6	6 - 8	3 233690 240044
PRA26	6	9 - 11	3 233690 240051
PRA3	2	12 - 16	3 233690 093176
PRA4	2	17 - 22	3 233690 093183
PRA5	2	23 - 29	3 233690 093190
PRA6	1	30 - 37	3 233690 093206
PRA7	1	36 - 48	3 233690 093213



Beta pin

Zinc plated steel

Blister pack	x P	mm	m	Gencod
GB1	2	2	44	3 233690 025962
GB16	6	2	44	3 233690 244509
GB2	2	3	57	3 233690 025986
GB24	4	3	57	3 233690 244516
GB3	2	4	76	3 233690 026006
GB34	4	4	76	3 233690 244523
GB4	2	5	100	3 233690 026020
GB44	4	5	100	3 233690 244530

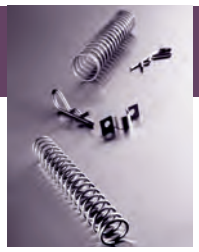
Plastic bag	x P	mm	m	Gencod
VGB1	2	2	44	3 233690 068396
VGB2	2	3	57	3 233690 068402
VGB3	2	4	76	3 233690 068419

Bulk in bag	x P	mm	m	Gencod
460/3Z	20	3	57	3 233690 006046
460/4Z	20	4	76	3 233690 006053
460/5Z	20	5	100	3 233690 006060

Clips pin

Zinc plated steel

Blister pack	x P	ø mm	Gencod
LI00	1	4,5	3 233690 212478
LI1	1	6	3 233690 026945
LI2	1	7	3 233690 026969
LI3	1	8	3 233690 054726



Clips pin for pipe

Zinc plated steel

Blister pack	x P	ø mm	Gencod
GCT1	2	8	3 233690 223665

Spring pin

Zinc plated steel

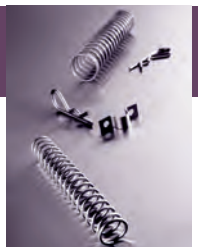
Blister pack	x P	ø mm	mm	Gencod
GME33	10	3,0	30	3 233690 054993
GME34	5	3,0	40	3 233690 055006
GME45	5	4,0	50	3 233690 055020
GME55	5	5,0	50	3 233690 055037

Cutted pin

Zinc plated steel

Blister pack	x P	ø mm	mm	Gencod
GFZ1	20	1,2	20	3 233690 054566
GFZ2	20	1,7	39,5	3 233690 054580
GFZ3	20	2,1	40	3 233690 054603
GFZ5	10	4,0	51	3 233690 054641
GFZ6	10	5,0	60	3 233690 054665

MECANICAL ACCESSORIES



Draw spring

Galvanized steel

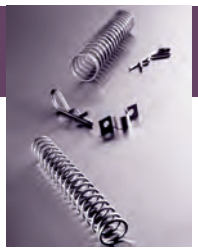
Blister pack	x P	ø mm	ø mm	mm	max kg/daN	Gencod
RST1	1	2,2	20,0	170	6	3 233690 053934
RST2	1	2,0	20,0	140	10	3 233690 053941
RST3	1	1,8	18,0	115	8	3 233690 053958
RST4	1	1,5	15,0	110	6	3 233690 053965
RST5	2	1,2	8,5	140	8	3 233690 053972
RST6	2	1,0	8,5	75	4	3 233690 053989
RST7	2	0,9	8,5	75	3	3 233690 053996
RST8	1	1,8	12,5	200	17	3 233690 054009
RST9	3	0,8	5,0	18	10	3 233690 054016
RST10	3	1,0	7,0	30	9	3 233690 054023
RST12	3	0,7	7,0	45	1	3 233690 054030
RST13	3	0,6	4,7	50	2	3 233690 054047

Cmpression spring

Galvanized steel

Blister pack	x P	ø mm	ø mm	mm	max kg/daN	Gencod
RSC1	2	2,2	20,0	150	14	3 233690 054054
RSC2	2	2,0	20,0	120	10	3 233690 054061
RSC3	3	1,8	16,0	100	14	3 233690 054078
RSC4	4	1,5	15,0	100	8	3 233690 054085
RSC5	4	1,2	14,0	100	3	3 233690 054092
RSC6	5	1,0	10,0	70	3	3 233690 054108
RSC7	6	0,8	8,0	80	2	3 233690 054115
RSC8	6	0,8	6,0	60	4	3 233690 054122
RSC9	10	0,65	5,0	40	3	3 233690 054139
RSC10	6	1,7	18,0	27	6	3 233690 054146
RSC12	10	0,4	3,5	30	2	3 233690 054160
RSC13	10	0,4	5,0	30	1	3 233690 054177
RSC14	10	0,55	5,5	35	2	3 233690 054184
RSC15	10	0,45	3,0	20	2	3 233690 054191

MECANICAL ACCESSORIES



Spring-mattress

Blister pack	x P	ø mm	ø mm	mm	max kg/daN	Gencod
RSO1	6	2,5	18,0	65	63	3 233690 054214
RSO2	5	2,5	18,0	69	50	3 233690 054221
RSO4	4	3,0	18,0	75	126	3 233690 054245

Spring for camping seat

Blister pack	x P	ø mm	ø mm	mm	max kg/daN	Gencod
RSCA1	8	1,8	13,5	62	19	3 233690 054252

Galvanized steel

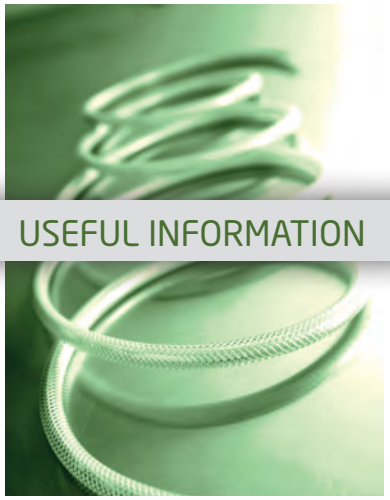
Lapper spring

Blister pack	x P	mm	Gencod
RSS1	2	40	3 233690 054269
RSS3	2	50	3 233690 054283
RSS4	2	55	3 233690 054290
RSS5	2	60	3 233690 054306
RSS7	2	70	3 233690 054320

Steel C70

FLEXIBLE HOSES

Flexible hoses	**P 126**
Hose couplers	**P 127**
Clamp collars	**P 127**



USEFUL INFORMATION

CRISTAL HOSE

Single layer transparent flexible food safe PVC tubing. Used for all circumstances where there is no requirement to resist against high pressures.

High flexibility at low temperatures.

REINFORCED CRYSTAL HOSE

Transparent flexible PVC tubing with high-resistance polyester support.

Produced using a special formula with low molecular weight plasticizers.

Used for consumable liquids, chemical solutions, compressed air (20 bars).

MULTIUSE HOSE

Flexible PVC tubing with food safe crystal interior lining, high-resistance polyester support and special opaque red striated coating which gives it great abrasion and UV resistance.

Used between -15°C and 60°C.

HOSE COUPLERS

Resistant, light, non-toxic, used in temperatures up to 80°C.

The chemical characteristics of these connections are :

- Excellent resistance to aliphatic and aromatic hydrocarbons, refinery products, alcohol, esters, plasticizers, ether, fats and oils.
- Good resistance to chlorinated hydrocarbons, alkalines, glycerin, glycol, soap and salt solutions.
- Not resistant to phenol, oxidants or similar products.

CAPTION

Reel type

Lenght in meter

Lenght in milimeter

Width in milimeter

Interior diameter in milimeter

Exterior diameter in milimeter

Clamping diameter in milimeter

x P

Number of pieces

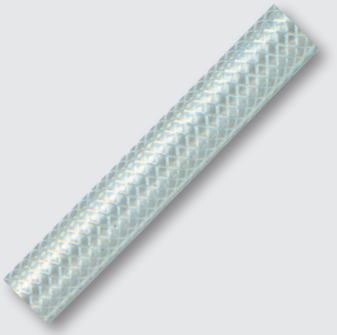
WATER > Flexible hoses

FLEXIBLE HOSES

Crystal hose

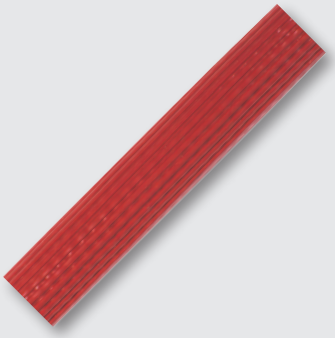
Reel	m	ø mm	ø mm		Gencod
BTC4	120	4	6	H	3 233690 093879
BTC6	100	6	9	H	3 233690 093886
BTC8	70	8	11	H	3 233690 093893
BTC10	50	10	14	H	3 233690 093909
BTC12	40	12	16	H	3 233690 093916
BTC16	25	16	21	H	3 233690 093923

Reinforced crystal hose



Reel	m	ø mm	ø mm		Gencod
BTR6	50	6	12	H	3 233690 093930
BTR8	40	8	14	H	3 233690 093947
BTR9	40	9	15	H	3 233690 093954
BTR10	30	10	16	H	3 233690 093961

Multiuse crystal hose



Reel	m	ø mm	ø mm		Gencod
BTU16	20	16	19	H	3 233690 094029

Hose couplers - Clamp collars

Hose coupler straight

Acetaldehyde resin

Blister pack	x P	ø mm	mm	Gencod
RD4	1	4	35	3 233690 094036
RD6	1	6	49	3 233690 094043
RD8	1	8	56	3 233690 094050
RD10	1	10	63	3 233690 094067
RD12	1	12	66	3 233690 094074

Each blister pack includes 2 clamp collars adapted to the hose external diameter

Hose coupler T-shape

Acetaldehyde resin

Blister pack	x P	ø mm	mm	Gencod
RT4	1	4	35	3 233690 094104
RT6	1	6	50	3 233690 094111
RT8	1	8	58	3 233690 094128
RT10	1	10	62,5	3 233690 094135
RT12	1	12	69	3 233690 094142
RT14	1	14	77,5	3 233690 094159
RT16	1	16	81	3 233690 094166

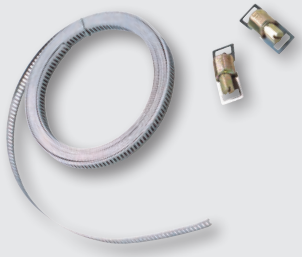
Each blister pack includes 3 clamp collars adapted to the hose external diameter

Clamp collar

Blister pack	x P	Ø mm	mm	Gencod
SRR1	2	8 - 12	7,5	3 233690 094296
SRR2	2	12 - 18	7,5	3 233690 094302
SRR3	2	16 - 25	9	3 233690 094319

Collar : stainless steel - Tightening screw : zinc plated steel

Single head worm screw clamp



Blister pack	x P	Ø mm	mm	m	Gencod
CSF38	8	3	8	3	3 233690 033905
CSF314	6	3	14	3	3 233690 033899

Collar : stainless steel - Tightening screw : zinc plated steel

BOATING

Welded chains	**P 132**
Stainless cables	**P 133**
Nautical ropes	**P 133-134**
Stainless shackles	**P 135**
Stainless rings	**P 136**
Stainless juction links	**P 136**
Stainless spring hooks	**P 136-137**
Stainless double swivels	**P 138**
Buoyant key link	**P 138**
Stainless turnbuckles	**P 138-139**
Stainless wire rope clips	**P 140**
Stainless thimbles	**P 140**
Stainless eye bolts	**P 140**
Stainless : ''U''bolt - Stirrups - Plates	**P 141**
Stainless : S-hook - Pins	**P 142**
Flags halyard cleat	**P 142**
Stainless pulley	**P 143**

USEFUL INFORMATION

STAINLESS STEEL

Only stainless steel can provide a total guarantee against corrosion.

AISI 316 stainless steel,
or A4 steel (16 to 18% Chrome, 11 to 14% Nickel + 2 to 3% Molybdenum) :

- or A4 steel (16 to 18% Chrome, 11 to 14% Nickel + 2 to 3% Molybdenum):.

Uses :
- Very aggressive chemical industry, naval construction, boat fittings.

AISI 304 stainless steel,
or A2 steel (18 to 20% Chrome and 8 to 13% Nickel) :

- Very good intergranular corrosion resistance, good weldability, non-magnetic.

Uses :
- Non-aggressive chemical industry, outdoor construction and architecture.

AISI 204 stainless steel Cu,
(16 to 18% Chrome, 2 to 2.5% Nickel, 0.2 to 0.5% Molybdenum + 6 to 8% Manganese) :

- Very good intergranular corrosion resistance, good weldability, non-magnetic.

Uses :
- Food contact.

NAUTICAL ROPE

Halyard :

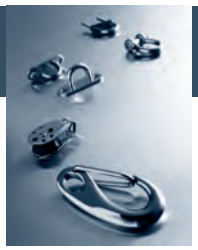
- Standard rigging component, used to hoist or lower a sail.
- Pre-stretching the halyards prevents strong winds from stretching the ropes, where the pull on the halyard can be very powerful. In this way, the sail retains a more stable shape.

Sheet :

- Bout (rope) lets you adjust the angle of a sail against the wind.
- The open weave of the sheets (the raw materials are made of short-fiber cotton) means it is comfortable to handle.

CAPTION

- m — Length in meter
- ø mm — for rope diameter in millimeter
- ø mm — Wire diameter in millimeter
- kg/daN — Indicative working load in kilogram
- Structure (number of strands x number of wires)
- Reel type
- xP — Number of pieces
- mm — Length in millimeter
- m — Length in meter
- ø mm — Wire diameter in millimeter
- max kg/daN — Indicative working load in kilogram
- kg/daN — Indicative breaking load in kilogram
- ø mm — Swivel diameter in millimeter
- ø mm — Eye diameter in millimeter
- mm — Opening in millimeter
- ø mm — Wire diameter in millimeter
- mm — Width in millimeter
- mm — Opening in millimeter
- mm — Interior width in millimeter
- ø mm — Axis diameter in millimeter
- mm — Groove width in millimeter
- ø mm — Interior diameter in millimeter
- mm — Serting length in millimeter
- ø mm — Interaxial in millimeter
- mm — Dimensions in millimeter
- ø mm — Wheel diameter in millimeter
- mm — Opening in millimeter
- mm — Useful height in millimeter
- mm — Total length in millimeter
- ø mm — Screw diameter in millimeter
- mm — Opening in millimeter
- mm — Length thread in millimeter
- mm — Total length in millimeter



TIE UP > Welded chains

"Short link"

Stainless steel
AISI 304

Reel	m	ø mm	kg/daN		Gencod
BI2	25	2,0	20	M1	3 233690 049982
BI3	25	3,0	56	M	3 233690 049999
BI4	25	4,0	100	M	3 233690 050001
BI6	25	6,0	225	G2	3 233690 050018
BI8	12	8,0	400	G2	3 233690 050025

Bundle	m	ø mm	kg/daN	Gencod
994/2I	25	2,0	20	3 233690 050520

"Long link"

Stainless steel
AISI 304

Bundle	m	ø mm	kg/daN	Gencod
995/2,5I	25	2,5	30	3 233690 051657

Straight "nautical type" DIN 766

Hot galvanized steel

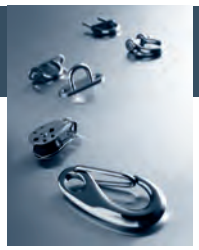
Reel	m	ø mm	kg/daN		Gencod
BN00	25	6,0	350	G2	3 233690 022237
BN2	12	8,0	630	G1	3 233690 022251
BN3	10	10,0	900	G2	3 233690 032366

Pail	m	ø mm	kg/daN	Gencod
TBN00	40	6,0	350	3 233690 076933
TBN2	25	8,0	630	3 233690 076940
TBN3	15	10,0	900	3 233690 076957

"Short link"

Hot
galvanized steel

Reel	m	ø mm	kg/daN		Gencod
BM6	25	6,0	230	G2	3 233690 055648



TIE UP > **Stainless cable - Nautical ropes : Sheets**

Stainless steel "Lifting grade"

Stainless steel AISI 316

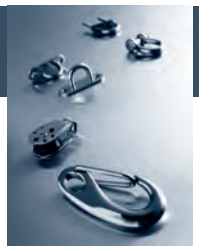
Reel	m	ø mm		max kg/daN		Gencod
BCI15	200	1,5	7 x 7	24	C1	3 233690 044154
BCI15100	100	1,5	7 x 7	24	M	3 233690 205586
BCI20	200	2,0	7 x 7	43	C1	3 233690 044161
BCI20100	100	2,0	7 x 7	43	M	3 233690 205593
BCI50	50	2,0	7 x 7	43	C1	3 233690 103554
BCI30	50	3,0	7 x 7	97	C1	3 233690 021261
BCI40	50	4,0	7 x 19	141	C1	3 233690 021278
BCI60	50	6,0	7 x 7	386	C2	3 233690 021285

Metal core

Sheets Braided polypropylene

Discontinued polypropylene
Parallel core

Reel	m	ø mm		kg/daN		Gencod
EPO6	100	6	○/●	160	M	3 233690 024941
EPO8	100	8	○/●	280	G2	3 233690 024958
EPO10	75	10	○/●	610	G2	3 233690 024927
EPO1025	25	10	○/●	610	M	3 233690 239338
EPO12	50	12	○/●	820	G2	3 233690 024934
EPO1225	25	12	○/●	820	M	3 233690 239345



Nautical ropes : Sheets - Hayyards

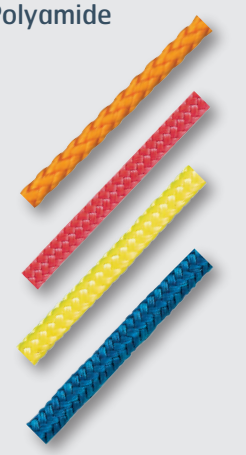
Sheet Polyester

Reel	m	ø mm		kg/daN		Gencod
EPY625	25	6	●	560	M	3 233690 239383
EPY8	100	8	●	1 050	G2	3 233690 024996
EPY825	25	8	●	1 050	M	3 233690 239390
EPY10	75	10	●	1 480	G2	3 233690 024965
EPY1025	25	10	●	1 480	M	3 233690 239376

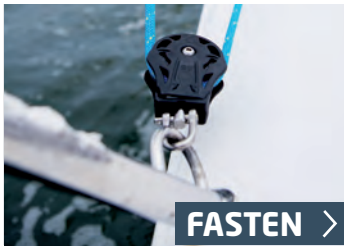
Halyard Pre-draw polyester

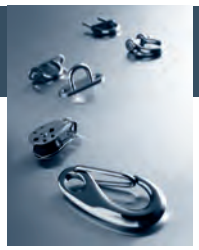
Reel	m	ø mm		kg/daN		Gencod
DPY6	100	6	○/●	500	M	3 233690 024521
DPY640	40	6	○/●	500	M	3 233690 239284
DPY8	100	8	○/●	1240	G2	3 233690 024538
DPY825	25	8	○/●	1240	M	3 233690 239291
DPY10	75	10	○/●	2200	G2	3 233690 024491
DPY1025	25	10	○/●	2200	M	3 233690 239277
DPY12	50	12	○/●	2800	G2	3 233690 024507

Halyard Polyamide



Reel	m	ø mm		kg/daN		Gencod
DPN30	200	3	●	156	M1	3 233690 024484
DPF4	80	4	●	240	M1	3 233690 024446
DPF5	100	5	●	345	M	3 233690 024453
DPF6	100	6	●	515	M	3 233690 024460





FASTEN > Shackles

Straight shackle with eye bolt

Stainless steel AISI 316

Blister pack	x P	Ø mm	mm	± kg/daN	Gencod
MDI4	1	4	8	45	3 233690 062691
MDI5	1	5	10	70	3 233690 062707
MDI6	1	6	12	100	3 233690 062714
MDI8	1	8	16	250	3 233690 062721
MDI10	1	10	20	400	3 233690 062738

Self-blocking shackle

Stainless steel AISI 316

Blister pack	x P	Ø mm	mm	max kg/daN	Gencod
MAB4	1	4	8	45	3 233690 027539
MAB5	1	5	10	70	3 233690 027546
MAB6	1	6	12	100	3 233690 027553
MAB8	1	8	16	250	3 233690 027560

Long shackle

Stainless steel AISI 316

Blister pack	x P	Ø mm	mm	± kg/daN	Gencod
MLI4	1	4	30	45	3 233690 062813
MLI6	1	6	46	100	3 233690 062837

Bow shackle

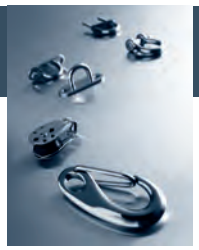
Stainless steel AISI 316

Blister pack	x P	Ø mm	mm	± kg/daN	Gencod
MCI4	1	4	8	45	3 233690 062752
MCI5	1	5	10	70	3 233690 062769
MCI6	1	6	12	100	3 233690 062776
MCI8	1	8	16	250	3 233690 062783
MCI10	1	10	20	400	3 233690 062790

Twist shackle

Stainless steel AISI 316

Blister	x P	Ø mm	mm	± kg/daN	Gencod
MAT4	1	4	8	45	3 233690 061182
MAT6	1	6	12	100	3 233690 061205
MAT8	1	8	16	250	3 233690 061212



CONNECT > Rings- Juction links - Spring hooks

Welded ring

Stainless steel AISI 304

Blister pack	x P	ø mm	ø mm	Gencod
ASI2	3	32	4	3 233690 093244

Large opening junction link

Stainless steel AISI 316 L

Blister pack	x P	ø mm	kg/daN	Gencod
MGO4	1	4	250	3 233690 027775
MGO6	1	6	580	3 233690 027782
MGO8	1	8	980	3 233690 027799
MGO10	1	10	1600	3 233690 027768

"Fireman" spring hook

Stainless steel AISI 316

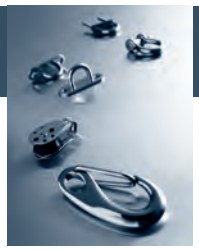
Blister pack	x P	mm	ø mm	kg/daN	Gencod
POI5	1	50	5	100	3 233690 062912
POI6	1	60	6	166	3 233690 062929
POI8	1	80	8	283	3 233690 062936
POI10	1	100	10	333	3 233690 062943

"Safety" spring hook with screw

Stainless steel AISI 316

Blister pack	x P	mm	ø mm	kg/daN	Gencod
SV1	1	80	8	210	3 233690 031161
SV2	1	100	10	270	3 233690 031185

STAINLESS ACCESSORIES



"Simplex" spring hook with swivel

Stainless steel AISI 316

Blister pack	x P	mm	± kg/daN	Gencod
PMI50	1	50	50	3 233690 028901
PMI60	1	60	120	3 233690 028918

Asymmetrical spring hook

Stainless steel AISI 316

Blister pack	x P	mm	± kg/daN	Gencod
MPI1	1	80	350	3 233690 062899
MPI2	1	100	700	3 233690 062905

Fixed eye halyard snap hook

Stainless steel AISI 316

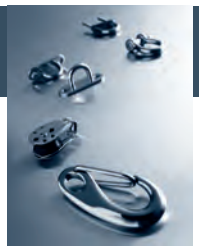
Blister pack	x P	mm	± kg/daN	Gencod
DE1	1	70	250	3 233690 024125

"Safety" spring hook

Stainless steel AISI 316

Blister pack	x P	mm	± kg/daN	Gencod
MS1	1	50	250	3 233690 028123
MS2	1	75	600	3 233690 028147
MS3	1	100	1400	3 233690 028154

STAINLESS ACCESSORIES



Double swivel

Stainless steel AISI 316

Blister pack	x P	ø mm	Ø mm	kg/daN	Gencod
TDI5	1	5	13	20	3 233690 062875

Buoyant key link

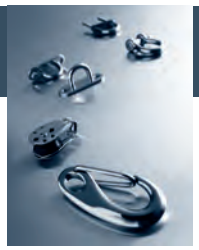
Cork ball
Polypropylene rope

Bulk with label	x P	Ø mm	mm	Gencod
917L	1	50	200	3 233690 240570

2 welded screeds turnbuckle

Stainless steel AISI 316

Blister pack	x P	ø mm	mm	Gencod
RI25	1	2,5	132	3 233690 209164
RI4	1	4	145	3 233690 062981



TIGHTEN > Turnbuckles

Tendeur à cage 1 œil 1 crochet

Stainless steel AISI 316

Blister pack	x P	ø mm	mm	Ø mm	kg/daN	Gencod
TOI00	1	5	9	8	50	3 233690 063131
TOI1	1	6	10	10	75	3 233690 063148
TOI2	1	8	14	11	165	3 233690 063155

2 hooks side turnbuckle

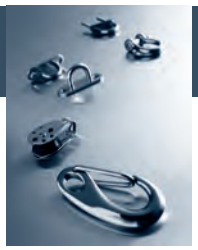
Stainless steel AISI 316

Blister pack	x P	ø mm	mm	kg/daN	Gencod
TCI00	1	5	9	50	3 233690 063162
TCI1	1	6	10	75	3 233690 063179
TCI2	1	8	11	165	3 233690 063186

2 eyes side turnbuckle

Stainless steel AISI 316

Blister pack	x P	ø mm	Ø mm	kg/daN	Gencod
TYI00	1	5	8	50	3 233690 063100



SECURE > Wire rope clips - Thimble - Eye bolts

Wire rope clip

Stainless steel AISI 316

Blister pack	x P	ø mm	Gencod
SCI4	1	3/4	3 233690 030379
SCI5	1	5	3 233690 205357
SCI6	1	6	3 233690 030386
SCI8	1	8	3 233690 030393
SCI10	1	10	3 233690 030355
SCI12	1	12	3 233690 030362

2 bolts wire rope clip

Stainless steel AISI 304

Blister pack	x P	ø mm	Gencod
CPI4	1	3	3 233690 023500
CPI6	1	6	3 233690 023517
CPI8	1	8	3 233690 023524

Standard thimble

Stainless steel AISI 316

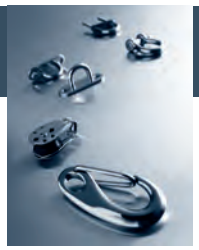
Blister pack	x P	mm	Gencod
CSI4	2	4	3 233690 023685
CSI6	2	6	3 233690 023692
CSI8	2	8	3 233690 023708
CSI10	1	10	3 233690 023661

Eye bolt

Stainless steel AISI 316

Blister pack	x P	ø mm	mm	ø mm	kg/daN	Gencod
BOE6	1	M6	60	12	80	3 233690 022398
BOE8	1	M8	80	14	150	3 233690 022404
BOE10	1	M10	100	16	250	3 233690 022381

STAINLESS ACCESSORIES



"U" bolts - Stirrups - Plates

"U" bolt

Stainless steel AISI 316

Blister pack	x P	mm	ø mm	mm	mm	Gencod
CI1	1	67	6	24	37 (M4)	3 233690 062998
CI2	1	91	8	29	55 (M6)	3 233690 063001

Stirrup

Stainless steel AISI 316

Blister pack	x P	ø mm	mm	Ø mm	mm	mm	Gencod
ETR1	1	1,5	11	4	10	30	3 233690 062950
ETR2	1	2	15	5	13	34	3 233690 062967
ETR3	1	3	20	6	17	40	3 233690 062974
ETR4	1	4	9	4	10	39	3 233690 025238
ETR5	1	5	11	5	13	49	3 233690 025245
ETR6	1	6	14	6	15	58	3 233690 025252

Eyed plate

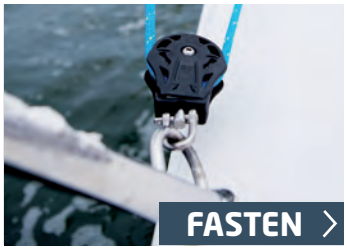
Stainless steel AISI 304

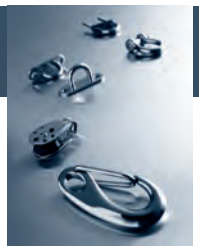
Blister pack	x P	ø mm	mm	mm	Gencod
PLAI1	2	5	12	45x15	3 233690 093268
PLAI2	2	6	17	60x20	3 233690 093275
PLAI3	2	8	20	80x26	3 233690 093282

Ring plate

Stainless steel AISI 316

Bulk with label	x P	ø mm	mm	mm	Gencod
891/5I	1	5	30	30x35	3 233690 098263
891/6I	1	6	35	35x40	3 233690 098270
891/8I	1	8	45	40x50	3 233690 098287





FASTEN > S-hooks - Pins - Flags halyard cleat

Open S-hook

Stainless steel AISI 316

Blister pack	x P	Ø mm	Ø mm	mm	Gencod
ESI25	4	2,5	8,5	3,5	3 233690 025214
ESI2510	10	2,5	8,5	3,5	3 233690 244127
ESI30	4	3,0	9,5	4,0	3 233690 025221
ESI3010	10	3,0	9,5	4,0	3 233690 244134

Beta pin

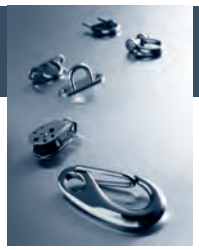
Stainless steel AISI 316 L

Blister pack	x P	mm	m	Gencod
GBI1	2	2	44	3 233690 026044
GBI2	2	3	57	3 233690 026051
GBI3	2	4	76	3 233690 026068

Flag halyard cleat

Polyamide

Blister pack	x P	mm	Gencod
TA8	2	80	3 233690 031253
TA11	2	110	3 233690 031215



Pulley with detachable ring

Stainless steel AISI 316

Blister pack	x P	Ø mm	ø mm	max kg/daN	Gencod
A36	1	35	9	400	3 233690 020608

Simple pulley

Stainless steel AISI 316

Blister pack	x P	Ø mm	ø mm	max kg/daN	Gencod
S18	1	18	6	300	3 233690 029854

Flat pulley

Stainless steel AISI 316

Blister pack	x P	Ø mm	ø mm	Gencod
PL25	1	25	6/8	3 233690 028789

Simple eyed pulley

Stainless steel AISI 316

Blister pack	x P	Ø mm	ø mm	max kg/daN	Gencod
PO19	1	25	6/8	100	3 233690 028307

STOWAGE

Mounted straps	**P 148-150**
GAB straps	**P 151-153**
DOCKS professionnal straps	**P 154-157**
Mounted rubber cables	**P 158**
GAB rubber cables	**P 159**
DOCKS rubber cables	**P 160**
DOCKS special for transport	**P 161-163**

USEFUL INFORMATION

STRAPS

INFLATABLE ROOFRACKS

RUBBER CABLE

TIES-DAWN HOOP

MOUNTED STRAPS

For stowing applications, our high-performance range goes from the light leisure model to heavy duty stowing straps.

Whether you use tightening buckles or ratchet tighteners, all of the straps in this catalog guarantee resistant and secure stowing.

Our stowing straps have been awarded the TÜV REINLAND quality label and comply with the standard EN - 12195-2.

MONTED RUBBER CABLE

Specially designed to secure transported objects, our bungee products have the following characteristics :

- Core : natural rubber
- Braided sheath
- Will not rot
- Water-proof
- High abrasion resistance
- Very good resistance to sunlight, ANTI-UV treatment
- Physical characteristics are stable between 40°C and 100°C

NB - the diameter can cope with a tolerance of + or - 10%

STRAP MATERIALS

Polyester (PES) and polypropylene (PP) offer the following characteristics :

- Will not rot.
- Good traction resistance before breaking.
- Good rupture resistance.
- Very good UV resistance.
- Great abrasion resistance.

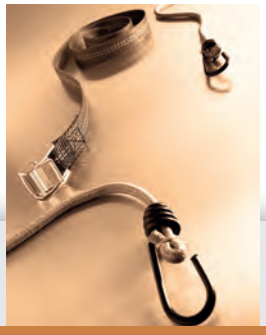
Polyester is more resistant than polypropylene.

MWC OR BC

The Maximum Working Capacity (MWC) or Berth Capacity (BC) = the maximum direct traction force that a mooring system can hold while in use.

The unit of the measure of force is the Newton, symbol N, which corresponds to the acceleration of a mass of 1kg at 1m/s.

- **1 N (Newton) ≃ 0,1 kg**
- **1 daN (déca-Newton) ≃ 1 kg**
- **1 kgN (kilo-Newton) ≃ 100 kg**



CAPTION

Colour

m — Length in meter

mm — Width in millimeter

mm — Dimensions in millimeter

max kg/daN — Indicative working load in kilograms

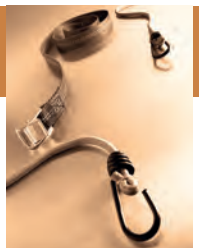
kg — Indicative breaking load in kilograms

ø mm — Interior diameter in millimeter

x P — Number of pieces

D — Designation

MOUNTED STRAPS



Elastic with high moulted buckle

Polyamide and natural gum

Plastic box	x P	m	mm	Gencod
SAS1	1	1	20	3 233690 030089

With metallic buckle

Polypropylene

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
SAB00	2	0,50	18	35	14	3 233690 053781

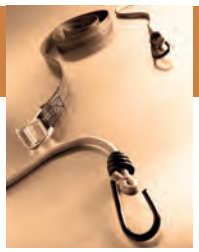
With plastic buckle

Polypropylene

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
SAV1	2	2,50	25	81	20	3 233690 050032

FASTEN > Stowing straps

MOUNTED STRAPS



With blitz buckle

Polypropylene

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
SAB1*	1	2,50	25	400	71	3 233690 029915
SAB2*	1	5	25	400	71	3 233690 029922
SAB11	2	2,50	25	400	71	3 233690 060796

* Hight tenacity polypropylene

With blitz buckle

Polyester

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
SAB3	1	5	35	1 300	200	3 233690 029939

With ratchet turnbuckle

STR2

Polypropylene

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
STR1*	1	5	25	800	260	3 233690 031130
STR2*	1	4,50 + 0,50	25	500	130	3 233690 031147

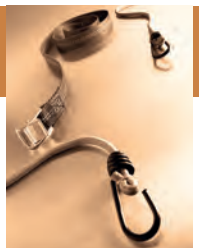
* Hight tenacity polypropylene
STR2 : strap 2 parts with 1 hook at each end

With ratchet turnbuckle

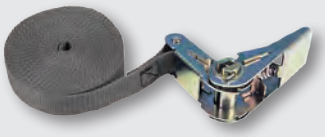
Polyester

Plastic box	x P	m	mm	kg/daN	max kg/daN	Gencod
CSTR3	1	6	35	4 000	300	3 233690 055181

MOUNTED STRAPS



With ratchet turnbuckle



Polyester

Retracted film	x P	m	mm		kg/daN	max kg/daN	Gencod
STC1	1	7	35	●	2 500	800	3 233690 134152

With 2-parts ratchet tie-down

Closed hook at eatch end
Polyester

Retracted film	x P	m	mm		kg/daN	max kg/daN	Gencod
STC4	1	6,50 + 0,50	35	●	2 500	800	3 233690 134183

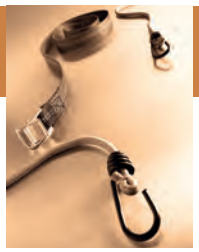
With 2-parts ratchet tie-down

Open hook at eatch end
Polyester

Retracted film	x P	m	mm		kg/daN	max kg/daN	Gencod
STC5	1	5,50 + 0,50	50	●	5 000	2 000	3 233690 134190
STC6	1	8,50 + 0,50	50	●	5 000	2 000	3 233690 134206
STC8	1	14,50 + 0,50	50	●	5 000	2 000	3 233690 134220

TIE UP > Leisure and travel straps

GAB STRAPS



For suitcase with quick-fastening buckle

Polypropylene

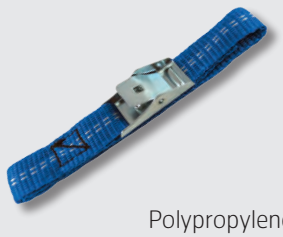
Folding cartons	x P	m	mm		Gencod
GAB01	1	1,75	45	●	3 233690 238300

With moulted plastic buckle

Polypropylene

Folding cartons	x P	m	mm		Gencod
GAB02	1	1	20	●	3 233690 238317

With metallic buckle



Polypropylene

Folding cartons	x P	m	mm		kg/daN	max kg/daN	Gencod
GAB03	2	0,50	18	●	35	14	3 233690 238324

With plastic buckle

Polypropylene

Folding cartons	x P	m	mm		kg/daN	max kg/daN	Gencod
GAB04	2	2,50	25	●	81	20	3 233690 238331

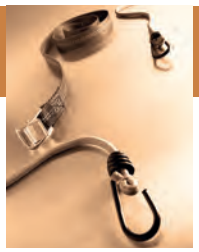
With "crocodile" buckle

Polypropylene

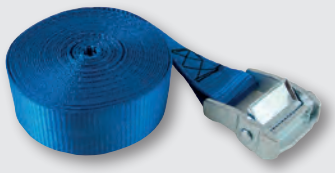
Folding cartons	x P	m	mm		kg/daN	max kg/daN	Gencod
GAB05	1	4	25	●	81	20	3 233690 238348

FASTEN > Stowing straps

GAB STRAPS



With blitz buckle



Polypropylene

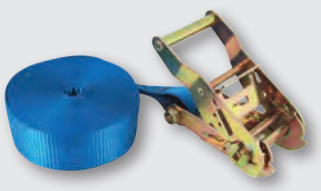
Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB06	1	2,50	25	400	71	3 233690 238355
GAB07	2	2,50	25	400	71	3 233690 238362
GAB08	1	5	25	400	71	3 233690 238379
GAB09	1	5	35	1 300	200	3 233690 238386

With ratchet turnbuckle

Polypropylene

Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB10	1	5	25	500	130	3 233690 238393
GAB13	2	5	25	500	130	3 233690 239475

With ratchet turnbuckle

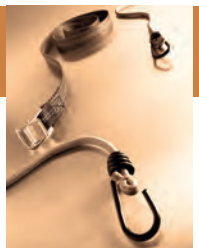


Polypropylene

Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB16	1	6	35	2 600	200	3 233690 238430

FASTEN > Stowing straps

GAB STRAPS



With 2-parts ratchet tie-down

Polypropylene

Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB11	1	4,50 + 0,50	25	500	130	3 233690 238409
GAB14	2	4,50 + 0,50	25	500	130	3 233690 239482

With 2-parts ratchet tie-down

Polypropylene

Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB17	1	5 + 0,50	35	1 260	200	3 233690 239499

Motorcycle strap with blitz buckle + 2 hooks

Polypropylene

Folding cartons	x P	m	mm	kg/daN	max kg/daN	Gencod
GAB12	2	2	25	400	200	3 233690 238416

TIE UP > Leisure and travel straps

With metallic buckle

Polyester

Cardboard	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR01	2	0,50	18	●	34	17	3 233690 210177

With plastic buckle

Polyester

Cardboard	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR02	2	2,50	25	●	80	40	3 233690 210184

With "crocodile" buckle

Polyester

Cardboard	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR03	1	4	25	●	100	50	3 233690 210191

For suitcase with quick-fastening buckle

Polyester

Cardboard	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR04	1	1,75	45	●	120	60	3 233690 210207

With blitz buckle

Polyester

Cardboard	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR05	1	2,50	25	●	400	200	3 233690 210214
GMAR06	2	2,50	25	●	400	200	3 233690 210221
GMAR07	1	5	25	●	400	200	3 233690 210238

FASTEN > Stowing straps

For light vehicles & trailers :
- Ratchet with rubber protection
- Hooks with PE protection

Polyester

Plastic hanger	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR18	4	5 + 0,50	25	●	700	350	3 233690 210320
GMAR12	1	4,50 + 0,50	25	●	700	350	3 233690 210283
GMAR21	1	4,50 + 0,50	25	●	700	350	3 233690 210351

For light vehicle : Ratchet with rubber protection

Polyester

Plastic hanger	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR11	1	5	25	●	700	350	3 233690 210276
GMAR20	1	5	25	●	700	350	3 233690 210344

For motorcycle & trailers : Hooks with PE protection

Polyester

Plastic hanger	x P	m	mm		kg/daN	max kg/daN	Gencod
GMAR08	2	2	25	●	500	250	3 233690 210245

DOCKS

FASTEN > Stowing straps for truks

With blitz buckle

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR09	1	5	35	1300	650	3 233690 210252

With blitz buckle

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR10	1	6	50	1300	650	3 233690 210269

With ratcher turnbuckle with PVC protection

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR14	1	6	35	800	400	3 233690 210412

With ratcher turnbuckle

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR15	1	6	35	800	400	3 233690 210290
GMAR16	1	6	50	2000	1000	3 233690 210306

FASTEN > **Stowing straps for truks - Traction straps**

For trucks :
Ratcher turnbuckle +
open hook at eatch end

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR17	1	5 + 0,50	50	4 000	2 000	3 233690 210313

For trucks :
Ratcher turnbuckle +
open hook at eatch end

Polyester

Retracted film	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR39	1	9,50 + 0,50	50	10 000	5 000	3 233690 216575

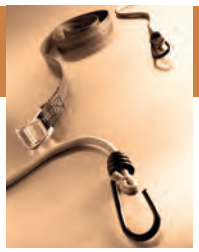
Traction strap :
Eye hook with latch
galvanized steel

Polyester

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR38	1	5	50	4 500	2 250	3 233690 210368

HOLD > Rubber cables

MOUNTED RUBBER CABLES



Rubber cable with zinc plated steel hooks

Braided sheath

Plastic bag with pin	x P	m ≈	ø mm ≈		kg/daN	Gencod
TE00	5	0,25	4		10	3 233690 034193

Rubber cable with plastic coated hooks

Braided sheath

Plastic bag with pin	x P	m ≈	ø mm ≈		kg/daN	Gencod
TE1	2	0,60	8		40	3 233690 031338
TE2	2	0,80	8		40	3 233690 031345
TE3	2	0,80	10		40	3 233690 031352
TE4	2	1	10		40	3 233690 031369
TE5	2	1,20	10		40	3 233690 031376
TE7	2	1,50	12		40	3 233690 125921

Flat rubber cable with zinc plated steel hooks

For bike

Plastic bag with pin	x P	m ≈	kg/daN	Gencod
TE6	2	0,60	40	3 233690 053637

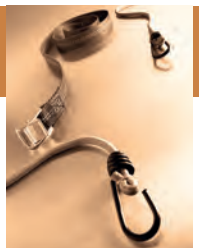
Spider rubber cable

Plastic bag with pin	x P			ø mm ≈	kg/daN	Gencod
AG6	1	6	plastic coated steel	8	40	3 233690 033998

Plastic bag with pin	x P			ø mm ≈	kg/daN	Gencod
AG8	1	8	plastic coated steel	8	40	3 233690 020868

HOLD > Rubber cables

GAB RUBBER CABLES



Rubber cable with zinc plated steel hooks

Rubber core
Braided sheath

Plastic bag with pin	x P	m ≈	ø mm ≈	kg/daN	Gencod
GAB20	5	0,25	4	10	3 233690 238454

Rubber cable : Polypropylene hooks with steel core

Rubber core
Braided sheath

Folding cartons	x P	m ≈	ø mm ≈	kg/daN	Gencod
GAB21	2	0,60	8	40	3 233690 238461
GAB22	2	0,80	8	40	3 233690 238478
GAB24	2	1	8	40	3 233690 238492
GAB25	2	1,20	8	40	3 233690 238508

Rubber cable : Polypropylene "super strong" hooks with steel core

Rubber core
Braided sheath

Folding cartons	x P	m	ø mm	kg/daN	Gencod
GAB28	2	0,60	9	40	3 233690 238522
GAB30	2	1	9	40	3 233690 238546

Flat rubber cable for bike : Polypropylene hooks with steel core

Rubber core
Braided sheath

Folding cartons	x P	m ≈	kg/daN	Gencod
GAB26	2	0,60	25	3 233690 238515

Spider rubber cable : Polypropylene hooks with steel core

Rubber core - Braided sheath

Folding cartons	x P		ø mm ≈	Gencod
GAB32	1	8	8	3 233690 238560

MONTED RUBBER CABLES

HOLD > Rubber cables - Canopis - Stretchy nets

Rubber cable : Polyamide hook with steel core

Natural rubber core
Braided sheath

Carton sleeve	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR22	2	0,60	10	62,5	25	3 233690 210429
GMAR24	2	1	10	62,5	25	3 233690 210573
GMAR25	2	1,20	10	62,5	25	3 233690 210580

Rubber cable kit : Polyamide hook with steel core

Natural rubber core
Braided sheath

Plastic hanger	x P	Gencod
GMAR33	14	3 233690 210597

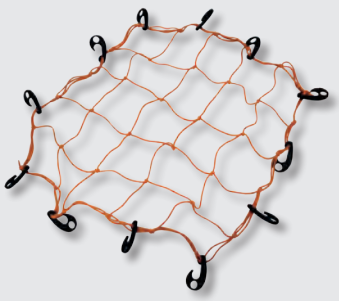
x P	m	mm	kg/daN	max kg/daN
4*	0,20	4	37,5	15
4	0,45	8	37,5	15
4	0,60	8	37,5	15
2	0,80	8	37,5	15

*steel hook

Canopis

Carton sleeve	x P	m	mm	ø mm	Gencod
GMAR34	4	0,21	5	27	3 233690 210603

Stretchy net with polyamide hooks



Plastic suitcase	x P	m	mm	x	Gencod
GMAR37	1	2 x 1,20	5	16	3 233690 210634

Removal straps with ergonomic handles

Polypropylene

Plastic hanger	x P	m	mm	kg/daN	max kg/daN	Gencod
GMAR42	2	2,50	50	400	200	3 233690 238195

Inflatable roofracks

Contains :
- 2 inflatable roofracks,
- 1 pump,
- 2 x 3 m PA straps with blitz buckle
- 1 compact carry bag

Inflatable roof rack : nylon 600D

Carton box	x P	m	max kg/daN	Gencod
GMAR50	1	1	80	5 060158 520039

Standard ISO/PAS 11154

Protective cover for car trunk, folding and adaptable to various sizes of trunk

Polyethyl 120g/m²

Plastic suitcase	x P	cm	Gencod
GMAR53	1	100 x 105 x 38	3 233690 263173

TRANSPORT > Eye plates and lashing rings

Eye plate

Stainless steel AISI 304

Cardboard	x P	Ø mm	Ø mm	mm	kg/daN	Gencod
GMAR29	2	5	17	60 x 20	340	3 233690 238263
GMAR31	2	6	12	45 x 15	410	3 233690 263098
GMAR32	2	8	20	80 x 26	714	3 233690 263104

Warning : check support resistance before fixing

Lashing ring with bolt-on clip

Zinc plated steel

Cardboard	x P	Ø mm	mm	kg/daN	Gencod
GMAR43	2	6,4	20 x 54	800	3 233690 254485

Warning : check support resistance before fixing

Lashing ring with bolt-on clip

Zinc plated steel

Cardboard	x P	Ø mm	mm	kg/daN	Gencod
GMAR44	2	5	32 x 58	800	3 233690 254492

Warning : check support resistance before fixing

Lashing ring with bolt-on clip

Zinc plated steel

Cardboard	x P	Ø mm	mm	kg/daN	Gencod
GMAR45	1	13,5	45 x 78	5 455	3 233690 254508

Warning : check support resistance before fixing

TRANSPORT > Lashing rings

Round lashing ring with wire D-Ring & steel collar

Zinc plated steel

Cardboard	x P	Epaisseur mm	mm	kg/daN	Gencod
GMAR46	1	11	100 x 100	545	3 233690 254515

Warning : check support resistance before fixing

Round lashing ring with wire D-Ring & black plastic collar

Polyamide + Zinc plated steel

Cardboard	x P	Epaisseur mm	mm	kg/daN	Gencod
GMAR47	1	11	100 x 100	272	3 233690 254522

Warning : check support resistance before fixing

Rectangular lashing ring with wire D-Ring & steel collar

Zinc plated steel

Cardboard	x P	Epaisseur mm	mm	kg/daN	Gencod
GMAR48	1	11	130 x 96	272	3 233690 254539

Warning : check support resistance before fixing

Lashing ring to embed with wire D-Ring & steel collar

Zinc plated steel

Cardboard	x P	Epaisseur mm	mm	kg/daN	Gencod
GMAR49	1	25	114 x 124	2 272	3 233690 254546

Warning : check support resistance before fixing

SIGNS & SIGNALS

Discs & board signs	**P 167-168**
FIXO	**P 168**
Indicator plates	**P 169**
Indicator discs	**P 170**
Identity plates	**P 171**
Street and house numbers	**P 171**
Figures & letters	**P 171-173**
Figures to be painted	**P 174-175**
Road signs & warning jacket	**P 176**

PRIÈRE DE NE PAS STATIONNER
SORTIE DE VOITURES
A
C

USEFUL INFORMATION

SIGNS & SIGNALS

Indicator discs Ø 280 et170 mm :
- Thickness 1,5 mm
- PVC with adhesive
- Transparent protector film
- Detachable staple system

Indicator discs Ø 80 mm :
- Thickness 0,8 mm
- Aluminium with adhesive
- Transparent protector film
- Detachable staple system

Indicator panels 160 x 50 mm :
- Thickness 1 mm
- Polycarbonate with adhesive
- Transparent protector film
- Detachable staple system

FIXO :
- Stikers 100 x 100 mm

CAPTION

Colour

Lenght in meter

m

Widht in millimeter

mm

Height in centimeter

cm

Base in centimeter

cm

Indicator disc

PVC with adhesive
Transparent protector film
with detachable staple system

Staple	Ø 170 mm	Gencod
DS10	Sortie de voitures	3 233690 076087
DS11	Propriété privée	3 233690 076094
DS12	Stationnement interdit	3 233690 076100
DS13	Attention au chien	3 233690 076117
DS14	Zone non fumeur	3 233690 076124
DS15	Extincteur	3 233690 076131
DS16	Maison piégée	3 233690 076148
DS19	Interdit au public	3 233690 141198
DS101	Stop	3 233690 141204
DS104	Surveillance électronique	3 233690 141235

Staple	Ø 280 mm	Gencod
DS20	Sortie de voitures	3 233690 076179
DS21	Propriété privée	3 233690 076186
DS22	Stationnement interdit	3 233690 076193
DS23	Attention au chien	3 233690 076209
DS25	Extincteur	3 233690 076223
DS29	Garage stationnement interdit	3 233690 078661
DS201	Pêche interdite	3 233690 088714
DS204	Interdit au public	3 233690 141242
DS205	Stop	3 233690 141259
DS206	Parking	3 233690 141266

Board sign

PVC with adhesive
Transparent protector film with detachable staple system

Staple	275 x 190 mm	Gencod
PSR1	A louer	3 233690 076803
PSR2	A vendre	3 233690 076742
PSR3	Chantier interdit au public	3 233690 076759
PSR5	Stationnement gênant	3 233690 076773
PSR6	Issue de secours	3 233690 141297
PSR7	Propriété privée	3 233690 141303
PSR12	Interdiction de fumer	3 233690 202417

FIXO
Stickers

Staple	100 x 100 mm	Gencod
EF01	Private	3 233690 142966
EF02	No parking	3 233690 142973
EF03	Ladies	3 233690 142980
EF04	Gents	3 233690 142997
EF05	No smoking	3 233690 143000
EF09	Mixed lavatory	3 233690 143048
EF10	Lavatory for disabled people	3 233690 143055
EF11	Cafeteria	3 233690 143062
EF12	Catering	3 233690 143079
EF16	Obligatory traffic direction	3 233690 143116

Indicator panel

Polycarbonate with adhesive
Transparent protector film
with detachable staple system

Staple	160 x 50 mm	Gencod
PSC1	Entrée	3 233690 141341
PSC2	Sortie	3 233690 141358
PSC3	Tirez	3 233690 141365
PSC4	Poussez	3 233690 141372
PSC5	Privé	3 233690 141389
PSC6	Sonnez et entrez	3 233690 141396
PSC7	Téléphone	3 233690 141402
PSC8	Dames	3 233690 141419
PSC9	Hommes	3 233690 141426
PSC10	Défense de fumer	3 233690 141433
PSC12	Attention au chien	3 233690 141457
PSC13	Chiens interdits	3 233690 141464
PSC14	Sortie de secours	3 233690 141471
PSC15	Sans issue	3 233690 141488
PSC16	Surveillance électronique	3 233690 141495
PSC17	Danger	3 233690 141501
PSC18	Entrée interdite	3 233690 141518
PSC19	Toilettes mixtes	3 233690 141525
PSC20	Toilettes handicapé	3 233690 141532
PSC21	Salle d'attente	3 233690 141549
PSC25	Accueil	3 233690 141587
PSC26	Direction	3 233690 141594
PSC28	Bureaux	3 233690 141617
PSC30	Cafétéria	3 233690 141631
PSC31	Ascenseur	3 233690 141648
PSC32*	Pas de publicité - Merci	3 233690 216629

*PSC32 : 75 x 25mm

Indicator discs

Aluminium with adhesive
Transparent protector film
with detachable staple system

Staple	Ø 80 mm	Gencod
DS30	Entrance	3 233690 141655
DS31	Exit	3 233690 141662
DS32	Pull	3 233690 141679
DS33	Pusch	3 233690 141686
DS34	Private	3 233690 141693
DS35	Ring and enter	3 233690 141709
DS36	Ladies	3 233690 141716
DS37	Gents	3 233690 141723
DS38	No smoking	3 233690 141730
DS39	Zone smoker	3 233690 141747
DS302	Forbiden phone	3 233690 141761
DS303	Mixed lavatory	3 233690 141778
DS304	Lavatory for disabled people	3 233690 141785
DS305	Cafeteria	3 233690 141792
DS306	Catering	3 233690 141808
DS307	Elevator	3 233690 141815

IDENTIFY > Identity plate - Street numbers

Identity plate

White PVC,
Adhesive or screw fixation

Blister pack		Gencod
ID1	94 x 28 x 8 mm	3 233690 076261

Street number

PVC with adhesive
Transparent protector film
with detachable staple system

Staple	110 x 75 mm	Gencod
NA00	figure 0	3 233690 076278
NA01	figure 1	3 233690 076285
NA02	figure 2	3 233690 076292
NA03	figure 3	3 233690 076308
NA04	figure 4	3 233690 076315
NA05	figure 5	3 233690 076322
NA06	figure 6	3 233690 076339
NA07	figure 7	3 233690 076346
NA08	figure 8	3 233690 076353
NA09	figure 9	3 233690 076360

Staple	110 x 40 mm	Gencod
NA10	Bis	3 233690 076377
NA11	Ter	3 233690 076384

IDENTIFY > Massive brass figures - Adhesive golden figures

Massive brass figure

Blister	height 97 mm	Gencod
CLM9700	0	3 233690 103110
CLM9701	1	3 233690 103127
CLM9702	2	3 233690 103134
CLM9703	3	3 233690 103141
CLM9704	4	3 233690 103158
CLM9705	5	3 233690 103165
CLM9706	6	3 233690 103172
CLM9707	7	3 233690 103189
CLM9708	8	3 233690 103196
CLM9709	9	3 233690 103202

Adhesive golden figure

Plastic bag with pin	height 37 mm	Gencod
LD3700	0	3 233690 204220
LD3701	1	3 233690 204237
LD3702	2	3 233690 204244
LD3703	3	3 233690 204251
LD3704	4	3 233690 204268
LD3705	5	3 233690 204275
LD3706	6	3 233690 204282
LD3707	7	3 233690 204299
LD3708	8	3 233690 204305
LD3709	9	3 233690 204312

IDENTIFY > Adhésive golden letters

Adhesive golden letter

Plastic bag with pin	height 37 mm	Gencod
LD37A	A	3 233690 203964
LD37B	B	3 233690 203971
LD37C	C	3 233690 203988
LD37D	D	3 233690 203995
LD37E	E	3 233690 204008
LD37F	F	3 233690 204015
LD37G	G	3 233690 204022
LD37H	H	3 233690 204039
LD37I	I	3 233690 204046
LD37J	J	3 233690 204053
LD37K	K	3 233690 204060
LD37L	L	3 233690 204077
LD37M	M	3 233690 204084
LD37N	N	3 233690 204091
LD37O	O	3 233690 204107
LD37P	P	3 233690 204114
LD37Q	Q	3 233690 204121
LD37R	R	3 233690 204138
LD37S	S	3 233690 204145
LD37T	T	3 233690 204152
LD37U	U	3 233690 204169
LD37V	V	3 233690 204176
LD37W	W	3 233690 204183
LD37X	X	3 233690 204190
LD37Y	Y	3 233690 204206
LD37Z	Z	3 233690 204213

IDENTIFY > **Figures to paint : Arial font**

Figure to paint : Arial font

Steel

Plastic staple	height 120 mm	Gencod
CPA0	0	3 233690 255864
CPA1	1	3 233690 255871
CPA2	2	3 233690 255888
CPA3	3	3 233690 255895
CPA4	4	3 233690 255901
CPA5	5	3 233690 255925
CPA6	6	3 233690 255932
CPA7	7	3 233690 255949
CPA8	8	3 233690 255956
CPA9	9	3 233690 255963

Plastic staple	height 60 mm	Gencod
CPAP0	0	3 233690 263609
CPAP1	1	3 233690 263616
CPAP2	2	3 233690 263623
CPAP3	3	3 233690 263630
CPAP4	4	3 233690 263647
CPAP5	5	3 233690 263654
CPAP6	6	3 233690 263661
CPAP7	7	3 233690 263678
CPAP8	8	3 233690 263685
CPAP9	9	3 233690 263692

IDENTIFY > Figures to paint : French Script font

Figure to paint : French Script font

Acier

Plastic staple	height 120 mm	Gencod
CPF0	0	3 233690 256076
CPF1	1	3 233690 256083
CPF2	2	3 233690 256090
CPF3	3	3 233690 256106
CPF4	4	3 233690 256113
CPF5	5	3 233690 256120
CPF6	6	3 233690 256137
CPF7	7	3 233690 256144
CPF8	8	3 233690 256151
CPF9	9	3 233690 256168

Plastic staple	height 60 mm	Gencod
CPFP0	0	3 233690 263708
CPFP1	1	3 233690 263715
CPFP2	2	3 233690 263722
CPFP3	3	3 233690 263739
CPFP4	4	3 233690 263746
CPFP5	5	3 233690 263753
CPFP6	6	3 233690 263760
CPFP7	7	3 233690 263777
CPFP8	8	3 233690 263784
CPFP9	9	3 233690 263791

Warning cone

Polyethylene

Bulk with label	cm	cm		Gencod
BAS30	30	23	● / ○	3 233690 078678

Warning band

Polyethylene

Bulk with label	mm	m		Gencod
RS100	50	100	● / ○	3 233690 078685

Warning jacket

Polyester with 2 reflective strips

Plastic bag			Gencod
GISE	XL	● / ●	3 233690 241270

NOTES

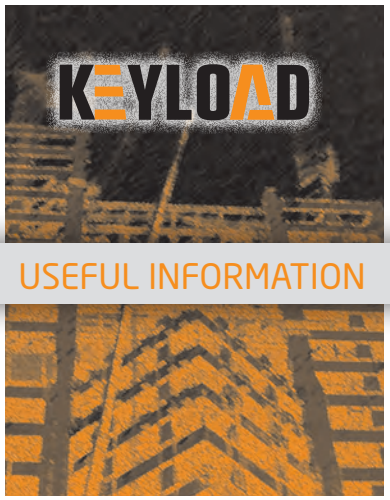
PROFESSIONAL

Stowing straps	**P 182**
Stowing chains	**P 183**
Stowing turnbuckles	**P 184**
Pulley ropes - Pulley	**P 185**
Textile slings	**P 186**
Cable slings	**P 187-188**
Chain slings	**P 189-190**
Lifting accessories	**P 191-203**
Hardware supplies	**P 204-210**

KEYLOAD

RANGE
LIFTING & HANDLING

CHAPUIS



GLOSSARY

CMU :
Mass or maximal strength which a product is authorized to support for a given use

Safety factor :
Theoretical spare capacity of a generally calculated product by dividing the breaking load by the maximum load of use and generally expressed by
A ratio (eg: 4/1).

Grade 80 :
Alloy steel treated thermically and not ageing.
Very hight traction and abrasion resistance :
800 N / mm^2

Newton (N) :
The Newton, symbol N, is the unit of meassure of force. It corresponds to acceleration of mass of 1 kg at 1 m/s.

1 N (Newton) ≃ 0,1 kg
1 daN (déca-Newton) ≃ 1 kg
1 kN (kg-Newton) ≃ 100 kg

Polypropylene (PP) :
Synthetic fiber rot-resistant, hydrophobic, hight abrasion resistance and very hight UV-ray resistance.

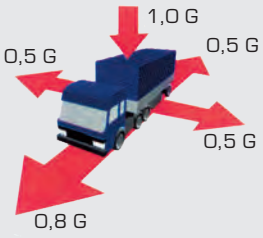
Sisal :
Natural fiber, the sisal (Agave sisalana) is a native plant from the east of Mexico.
It is also the name of the fiber extracted from the leaves of this plant.
Light, very resistant in the abrasion, the humidity, the heat and in the chemical and petrochemical products, this fiber is used to the manufacturing of rope.

TMU ou LC :
Maximum using stress (TMU) or stowing ability (LC) = maximum direct traction force a stowing system can support while being use.
The unit measurement for force is the Newton.

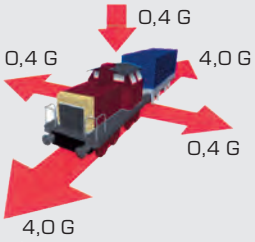
FASTEN IN COMPLETE SAFETY

STOWAGE BASIC RULES

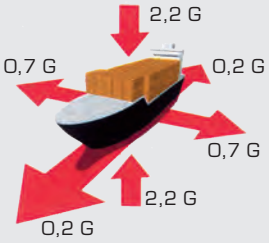
Behavior of the load considering the active strengths



En camion



En train



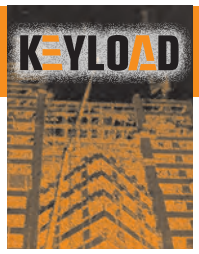
En bateau

G = Load Weights

WHAT TMU FOR WHICH SYSTEM ?

Direct tension	Strap width	TMU system	Double tension	Break of the only strap	Standard length
TMU 2 500 kg/daN	50 mm	2 500 kg/daN	5 000 kg/daN	7 500 kg/daN	8, 9, 10 m
TMU 2 000 kg/daN	50 mm	2 000 kg/daN	4 000 kg/daN	6 000 kg/daN	8, 9, 10 m
TMU 900 kg/daN	35 mm	900 kg/daN	1 800 kg/daN	3 400 kg/daN	6, 7 m
TMU 400 kg/daN	25 mm	400 kg/daN	800 kg/daN	1 200 kg/daN	4, 5, 6 m

A system of stowage consists of a sewn strap and metallic accessories.
A stowing strap indicates only the strap itself and not sewn.



Stowing strap 1-part

With blitz buckle
Polyester webbing

Ref.	TMU	Colour	Length	Width	Package	Gencod
KLA001	200 kg	noir	5 m	35 mm	Bulk with label	3 233690 246138

With stainless steel ratchet turnbuckle
Polyester webbing - Standard EN 12195/2-2001

Ref.	TMU	Colour	Length	Width	Package	Gencod
KLA005	400 kg	bleu	5 m	25 mm	Bulk with label	3 233690 246176
KLA006	800 kg	bleu	7 m	35 mm	Bulk with label	3 233690 246183

With ratchet turnbuckle
Polyester webbing - Standard EN 12195/2-2001

Ref.	TMU	Colour	Length	Width	Package	Gencod
KLA002	800 kg	gris	7 m	35 mm	Bulk with label	3 233690 246145
KLA003	2000 kg	gris	10 m	50 mm	Bulk with label	3 233690 246152
KLA004	2000 kg	rouge	15 m	50 mm	Bulk with label	3 233690 246169

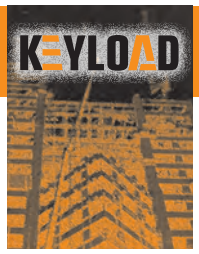
Stowing strap 2-parts

With ratchet turnbuckle - Closed hook at each end
Polyester webbing - Standard EN 12195/2-2001

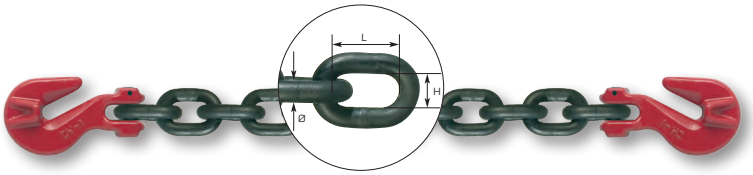
Ref.	TMU	Colour	Length	Width	Package	Gencod
KLA008	300 kg	noir	5 + 0,50 m	35 mm	Bulk with label	3 233690 246206
KLA009	800 kg	gris	6 + 0,50 m	35 mm	Bulk with label	3 233690 246213

With ratchet turnbuckle - Open hook at each end
Polyester webbing - Standard EN 12195/2-2001

Ref.	TMU	Colour	Length	Width	Package	Gencod
KLA010	2000 kg	bleu	5,50 + 0,50 m	50 mm	Bulk with label	3 233690 246084
KLA011	2000 kg	vert	8,50 + 0,50 m	50 mm	Bulk with label	3 233690 246091
KLA012	2000 kg	jaune	11,50 + 0,50 m	50 mm	Bulk with label	3 233690 246107
KLA013	2000 kg	rouge	14,50 + 0,50 m	50 mm	Bulk with label	3 233690 246121



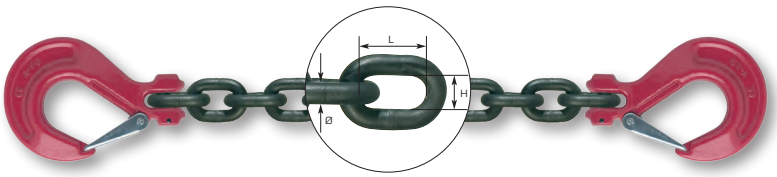
Stowing chain



Chain with clevis grab hook
Chain grade 80 - Standard EN 12 195-3 - Safety factor 2/1

Ref.	Ø chain	Lenght	L	H	TMU	Package	Gencod
KLA014	8 mm	3,5 m	24 mm	10,8 mm	4 000 kg	Bulk with label	3 233690 246220
KLA015	10 mm	3,5 m	30 mm	13,5 mm	6 300 kg	Bulk with label	3 233690 246237
KLA016	13 mm	3,5 m	39 mm	17,5 mm	10 000 kg	Bulk with label	3 233690 246244

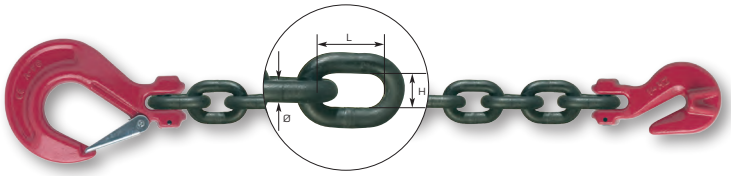
Products are supplied with identification marking and certificate of conformance to the European Standards.



Chain with clevis sling hook with latch
Chain grade 80 - Standard EN 12 195-3 - Safety factor 2/1

Ref.	Ø chain	Lenght	L	H	TMU	Package	Gencod
KLA017	8 mm	3,5 m	24 mm	10,8 mm	4 000 kg	Bulk with label	3 233690 246251
KLA018	10 mm	3,5 m	30 mm	13,5 mm	6 300 kg	Bulk with label	3 233690 246268
KLA019	13 mm	3,5 m	39 mm	17,5 mm	10 000 kg	Bulk with label	3 233690 246275

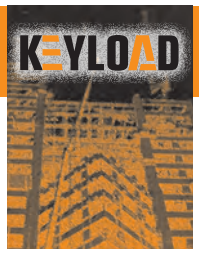
Products are supplied with identification marking and certificate of conformance to the European Standards.



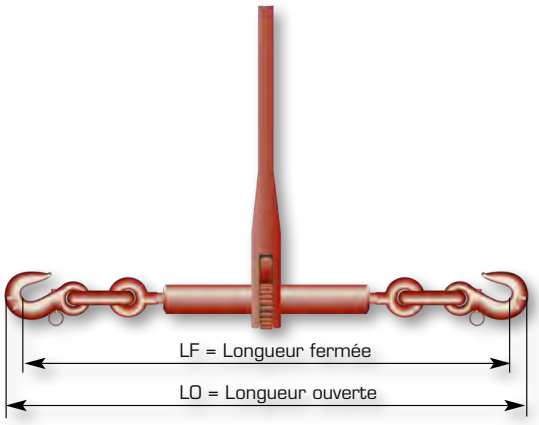
Chain with 1 clevis sling hook with latch + 1 clevis grab hook
Chain grade 80 - Standard EN 12 195-3 - Safety factor 2/1

Ref.	Ø chain	Lenght	L	H	TMU	Package	Gencod
KLA020	8 mm	3,5 m	24 mm	10,8 mm	4 000 kg	Bulk with label	3 233690 246282
KLA021	10 mm	3,5 m	30 mm	13,5 mm	6 300 kg	Bulk with label	3 233690 246299
KLA022	13 mm	3,5 m	39 mm	17,5 mm	10 000 kg	Bulk with label	3 233690 246305

Products are supplied with identification marking and certificate of conformance to the European Standards.



Stowing turbuckle



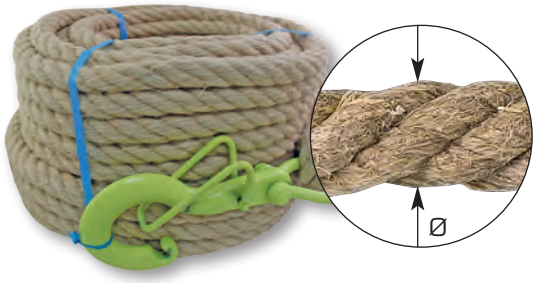
Secured stowing turnbuckle with latch for chain
Standard EN12195-3 - Steel grade 80 - Safety factor 2/1

Ref.	Ø chain	LO*	LF*	LC	Weight/pièce	Package	Gencod
KLA023	8 mm	738 mm	588 mm	4 000 kg	4,5 kg	Bulk with label	3 233690 246312
KLA024	10 mm	780 mm	630 mm	6 300 kg	5,4 kg	Bulk with label	3 233690 246329
KLA025	13 mm	886 mm	722 mm	10 000 kg	8,6 kg	Bulk with label	3 233690 246336
KLA026	16 mm	914 mm	724 mm	16 000 kg	13,4 kg	Bulk with label	3 233690 246343

**Performance values are provided as a guideline*

TMU ou LC :
Maximum using stress or stowing ability = maximum direct traction force a stowing system can support while being use.

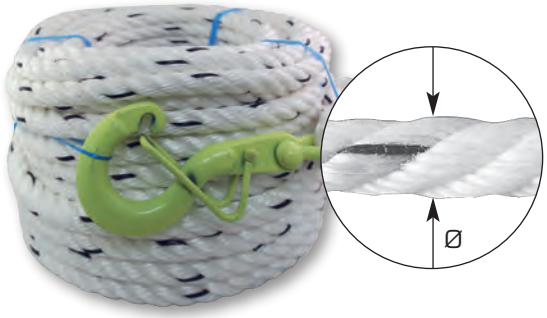
Pulley rope



Cabled rope
Hemp C unpolished

Splissed loop on sling hook
with secured latch.

Ref.	Ø	Lenght	Breaking load	Maxi load to lifting	Package	Gencod
KLB001	20 mm	25 m	560 kg	80 kg	Ring	3 233690 246350
KLB002	22 mm	20 m	560 kg	80 kg	Ring	3 233690 246367
KLB003	22 mm	30 m	560 kg	80 kg	Ring	3 233690 246374
KLB004	22 mm	40 m	560 kg	80 kg	Ring	3 233690 246381

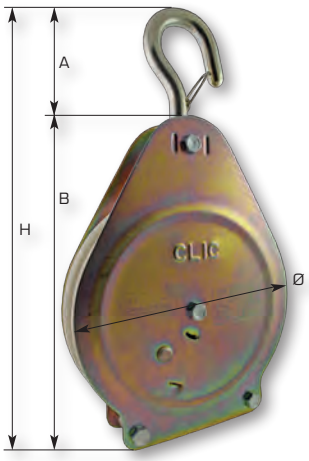


Cabled rope
Polypropylene
ISO 1346

Splissed loop on sling hook
with secured latch.

Ref.	Ø	Lenght	Breaking load	Maxi load to lifting	Package	Gencod
KLB005	20 mm	25 m	560 kg	80 kg	Ring	3 233690 246398

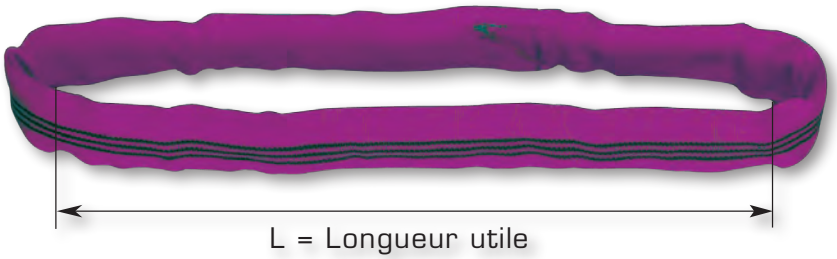
Clic pulley



Pullet for rope
Pulley with pawl
Bichromated
Wheel : polyamide

In compliance with all the relevant measures of the European directive 2006/42/CE

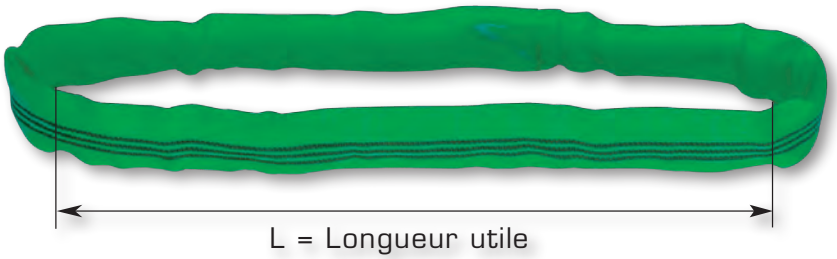
Réf.	Ø rope	H	A	B	Ø	CMU	Package	Gencod
KLB229	20 à 30 mm	425 mm	120 mm	305 mm	230 mm	160 kg	Bulk with label	3 233690 253730



L = Longueur utile

Endless round sling.
Standard EN 1492-2. Safety factor 7/1 - Polyester

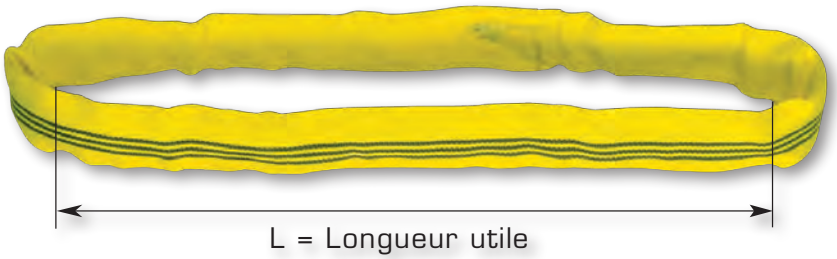
Ref.	L	Total length	Colour	CMU	Package	Gencod
KLB006	1 m	2 m	Lilas	1 000 kg	Retracted film	3 233690 246404
KLB007	2 m	4 m	Lilas	1 000 kg	Retracted film	3 233690 246411



L = Longueur utile

Endless round sling.
Standard EN 1492-2. Safety factor 7/1 - Polyester

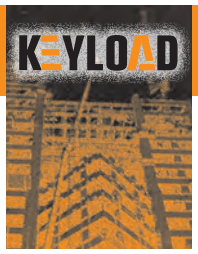
Ref.	L	Total length	Colour	CMU	Package	Gencod
KLB008	1 m	2 m	Vert	2 000 kg	Retracted film	3 233690 246428
KLB009	2 m	4 m	Vert	2 000 kg	Retracted film	3 233690 246435

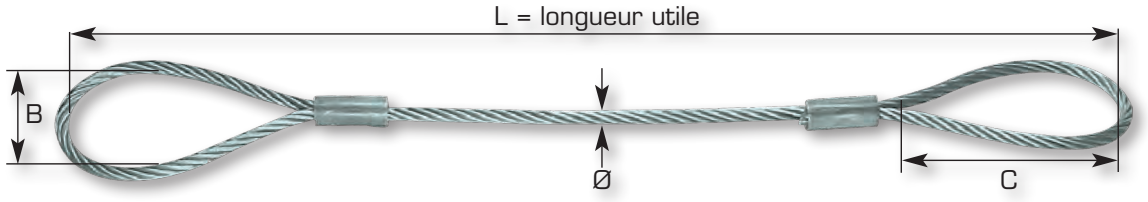


L = Longueur utile

Endless round sling.
Standard EN 1492-2. Safety factor 7/1 - Polyester

Ref.	L	Total length	Colour	CMU	Package	Gencod
KLB010	4 m	8 m	Jaune	3 000 kg	Retracted film	3 233690 246442
KLB011	5 m	10 m	Jaune	3 000 kg	Retracted film	3 233690 246459

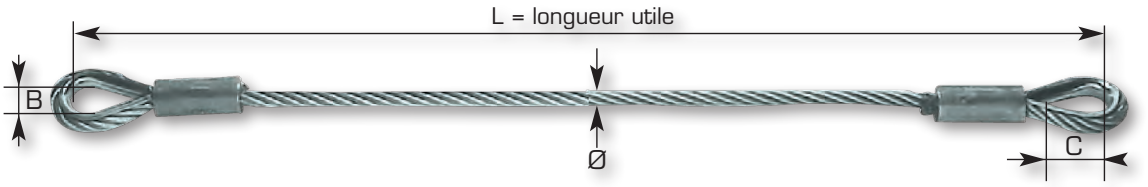




1-stalk cable slings with 2 sleeved loops.
Machine directive 2006/42/CE. Uniformly didtributed load.
Cable : galvanized steel 1770 N/mm² - Sleeve : aluminium - Safety factor 5/1

Ref.	Ø	L	B	C	CMU	Package	Gencod
KLB012*	12 mm	2 m	90 mm	180 mm	1 500 kg	Bulk with label	3 233690 246466
KLB013*	14 mm	2 m	105 mm	210 mm	2 100 kg	Bulk with label	3 233690 246473
KLB014**	16 mm	2 m	120 mm	240 mm	2 700 kg	Bulk with label	3 233690 246480
KLB015**	16 mm	3 m	120 mm	240 mm	2 700 kg	Bulk with label	3 233690 246497

** Cable : 7 strands x 19 wires - Metal core - ** Cable : 6 strands x 36 fwires - Textil core*



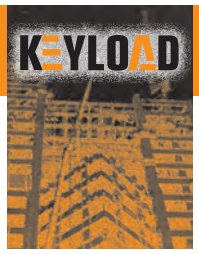
1-stalk cable slings with 2 thimbled sleeved loops.
Machine directive 2006/42/CE. Uniformly didtributed load.
Cable : galvanized steel 1770 N/mm² - Sleeve : aluminium - Thimble : steel - Safety factor 5/1

Ref.	Ø	L	B	C	CMU	Package	Gencod
KLB016*	12 mm	2 m	31 mm	45 mm	1 500 kg	Bulk with label	3 233690 246503
KLB017*	14 mm	2 m	36 mm	57 mm	2 100 kg	Bulk with label	3 233690 246510
KLB018**	16 mm	1 m	40 mm	62 mm	2 700 kg	Bulk with label	3 233690 246527
KLB019**	16 mm	3 m	40 mm	62 mm	2 700 kg	Bulk with label	3 233690 246534

** Cable : 7 strands x 19 wires - Metal core - ** Cable : 6 strands x 36 fwires - Textil core*

Products are supplied with identification marking and certificate of conformance to the European Standards.

100% from CMU **200% from CMU**



1-stalk cable sling

1-stalk cable sling with 2 thimbled sleeved loops and 1 straight shackle.
Cable : galvanized steel 1770 N/mm²
Metal core

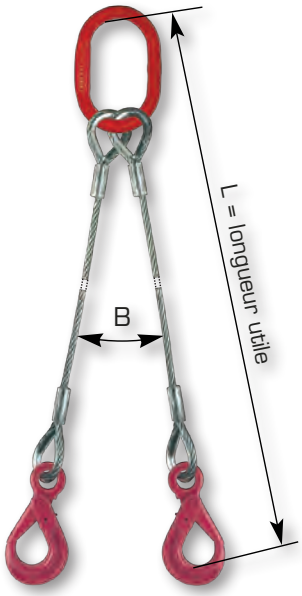
Ref.	Ø cable	L	Strands	Ø shackle	CMU	Package	Gencod
KLB020	8 mm	4 m	7 x 19	12 mm	500 kg	Bulk with label	3 233690 246541

1-stalk cable sling with 2 thimbled sleeved loops and 1 galvanized shackle.
Cable : galvanized steel 1770 N/mm²
Metal core

Ref.	Ø cable	L	Strands	Ø shackle	CMU	Package	Gencod
KLB021	12 mm	6 m	7 x 19	20 mm	1 500 kg	Bulk with label	3 233690 246558

Products are supplied with identification marking and certificate of conformance to the European Standards.

2-stalks cable sling



2-stalks cable sling with 2 thimbled sleeved loops. Master link and self locking hook.
Machine directive 2006/42/CE. Uniformly didtributed load.
Cable : galvanized steel 1770 N/mm²
Accessories : steel grade 80
Safety factor 5/1

Ref.	Ø cable	L	CMU on 2 stalks		Package	Gencod
			B = 0° à 90 °	B = 90° à 120°		
KLB022	8 mm	2 m	900 kg	700 kg	Bulk with label	3 233690 246565

** Cable : 7 strands x 19 wires - Metal core*

Products are supplied with identification marking and certificate of conformance to the European Standards.

LIFT > Chain slings

USE OF CHAIN SLINGS GRADE 80 COEFFICIENT 4/1

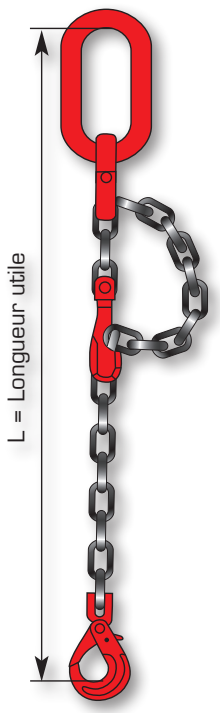
Vertical angle		0° < B ≤ 90°	90° < B ≤ 120°	0° < B ≤ 90°	90° < B ≤ 120°
Factor		1,4	1	2,1	1,5
Ø chain	CMU on 1 stalk	CMU on 2 stalks		CMU on 3 and 4 stalks	
6 mm	1 120 kg	1 600 kg	1 120 kg	2 360 kg	1 700 kg
8 mm	2 000 kg	2 800 kg	2 000 kg	4 250 kg	3 000 kg
10 mm	3 150 kg	4 250 kg	3 150 kg	6 700 kg	4 750 kg
13 mm	5 300 kg	7 500 kg	5 300 kg	11 200 kg	8 000 kg
16 mm	8 000 kg	11 200 kg	8 000 kg	17 000 kg	11 800 kg

Machine directive 2006/42/CE - EN 818-4 : 1996

Chains answering the essential requirements of safety Directive machine 2006/42/CE.

Very hight tensile strength and in the abrasion.
Alloy steel handled thermically and not ageing.
Use in slings.
Coefficient of use 4/1.

1-stalk chain sling



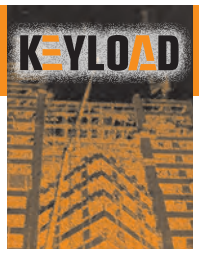
1-stalk chain sling with self locking clevis hook + clevis grab hook.
Standard EN 818-4 - Grade 80 coefficient 4/1

Réf.	Ø chaîne	L	CMU	Conditionnement	Gencod
KLB023	8 mm	2 m	2 000 kg	Bulk with label	3 233690 246572
KLB024	10 mm	2 m	3 150 kg	Bulk with label	3 233690 246589
KLB025	13 mm	2 m	5 300 kg	Bulk with label	3 233690 246596

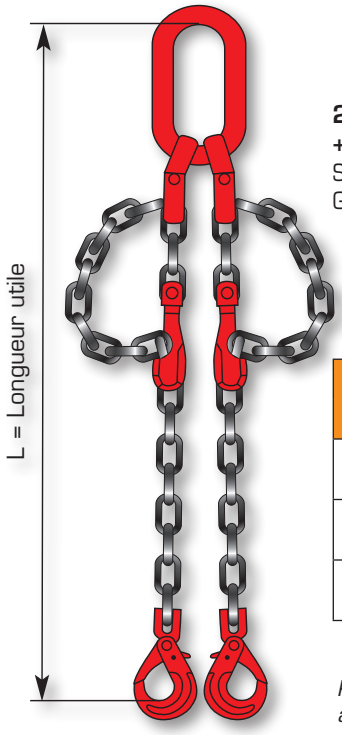
1- sliding stalk chain sling with master link and ring.
Standard EN 818-4 - Grade 80 coefficient 4/1

KLB230	8 mm	3 m	2 000 kg	Bulk with label	3 233690 263371

Products are supplied with identification marking and certificate of conformance to the European Standards.



2-stalks chain sling

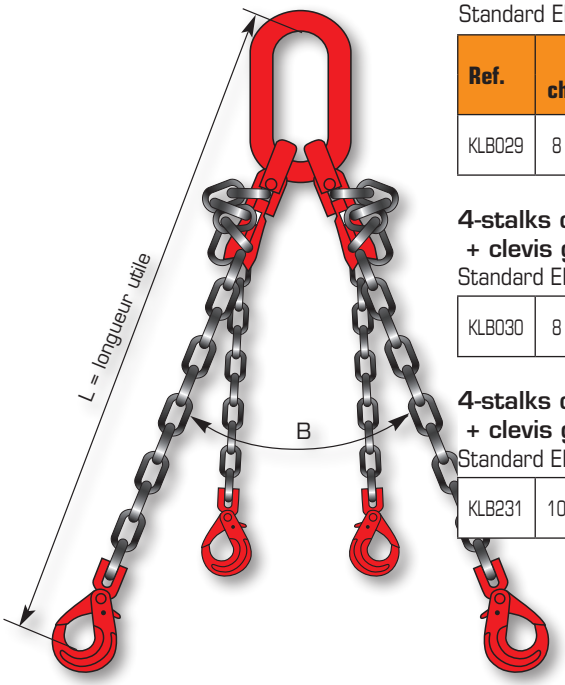


2-stalks chain sling with self locking clevis hook + clevis grab hook.
Standard EN 818-4
Grade 80 coefficient 4/1

Ref.	ø chain	L	CMU on 2 stalks		Package	Gencod
			B = 0° à 90 °	B = 90° à 120°		
KLB026	8 mm	2 m	2 800 kg	2 000 kg	Bulk with label	3 233690 246602
KLB027	10 mm	2 m	4 250 kg	3 150 kg	Bulk with label	3 233690 246619
KLB028	13 mm	2 m	7 500 kg	5 300 kg	Bulk with label	3 233690 246626

Products are supplied with identification marking and certificate of conformance to the European Standards.

4-stalks chain sling



4-stalks chain sling with self locking clevis hook + shortening clutch.
Standard EN 818-4 - Grade 80 coefficient 4/1

Ref.	ø chain	L	CMU on 4 stalks		Package	Gencod
			B = 0° à 90 °	B = 90° à 120°		
KLB029	8 mm	2 m	4 250 kg	3 000 kg	Bulk with label	3 233690 246633

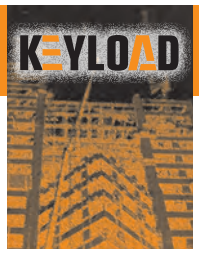
4-stalks chain sling with clevis hook + clevis grab hook.
Standard EN 818-4 - Grade 80 coefficient 4/1

KLB030	8 mm	2 m	4 250 kg	3 000 kg	Bulk with label	3 233690 246640

4-stalks chain sling with self locking clevis hook + clevis grab hook.
Standard EN 818-4 - Grade 80 coefficient 4/1

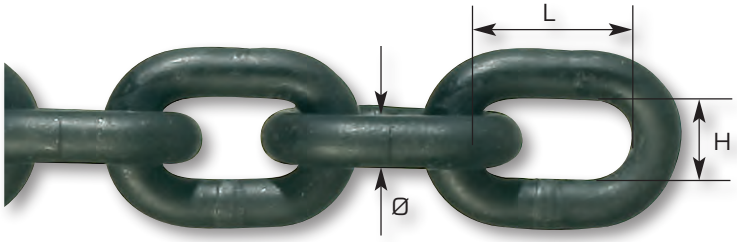
KLB231	10 mm	5 m	6 700 kg	4 750 kg	Bulk with label	3 233690 264972

Products are supplied with identification marking and certificate of conformance to the European Standards.



Examples of use for making lifting slings with accessories KEYLOAD

Lift chain



Polished black chain
Standard EN 818-2 - Grade 80 - Safety factor 4/1

Ref.	Ø chain	Length	L	H	CMU	Package	Gencod
KLB031	6 mm	5 m	18 mm	8 mm	1 120 kg	Bundle with label	3 233690 246657
KLB032	8 mm	5 m	24 mm	10,8 mm	2 000 kg	Bundle with label	3 233690 246664
KLB033	10 mm	5 m	30 mm	13,5 mm	3 150 kg	Bundle with label	3 233690 246671
KLB034	13 mm	5 m	39 mm	17,5 mm	5 300 kg	Bundle with label	3 233690 246688
KLB035	16 mm	3 m	48 mm	21,5 mm	8 000 kg	Bundle with label	3 233690 246695

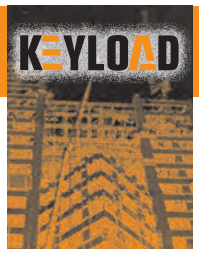
Chains answering the essential requirements of safety Directive machine 2006/42/CE.

Very hight tensile strength and in the abrasion.

Alloy steel handled thermically and not ageing.

Use in slings.

Coefficient of use 4/1.



LIFT > Lifting link for making slings

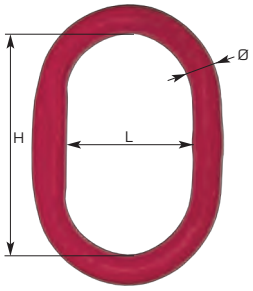
The products of the range performance are certified EN 818 and EN 1677.
They undergo a continuous assessment throughout their process of manufacturing.

Lifting link of the performance range

PERFORMANCE

Oblong masterlink DIN 5688-86

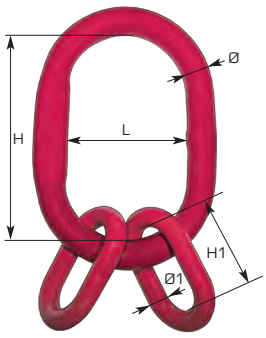
Standard EN 818 and EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	L	H	Ø	Gencod
KLB036	10 mm	3 150 kg	75 mm	135 mm	18 mm	3 233690 246701
KLB037	13 mm	5 300 kg	90 mm	160 mm	22 mm	3 233690 246718
KLB038	16 mm	8 000 kg	100 mm	180 mm	26 mm	3 233690 246725

Sub-assembly DIN 5688-86

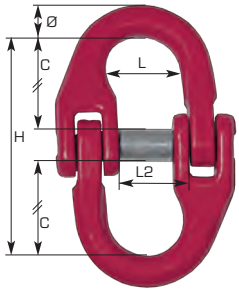
Standard EN 818 and EN 1677 - Grade 80
Safety factor 4/1



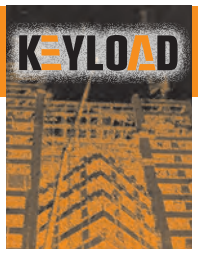
Réf.	Ø chaîne	CMU	L	H	Ø	H1	Ø1	Gencod
KLB042	6 mm	2 360 kg	75 mm	135 mm	19 mm	54 mm	13 mm	3 233690 246763
KLB043	8 mm	4 250 kg	90 mm	160 mm	23 mm	70 mm	16 mm	3 233690 246770
KLB044	10 mm	6 700 kg	100 mm	180 mm	27 mm	85 mm	18 mm	3 233690 246787
KLB045	13 mm	11 200 kg	110 mm	200 mm	33 mm	115 mm	23 mm	3 233690 246794
KLB046	16 mm	17 000 kg	140 mm	260 mm	36 mm	140 mm	26 mm	3 233690 246800

Connecting link

Standard EN 818 and EN 1677 - Grade 80
Safety factor 4/1



Réf.	Ø chaîne	CMU	L	L2	H	C	Ø	Gencod
KLB052	6 mm	1 120 kg	16,5 mm	16 mm	43 mm	18 mm	6,8 mm	3 233690 246855
KLB053	8 mm	2 000 kg	25 mm	22,7 mm	70 mm	26 mm	9 mm	3 233690 246862
KLB054	10 mm	3 150 kg	27 mm	25 mm	77 mm	32 mm	11 mm	3 233690 246879
KLB055	13 mm	5 300 kg	32 mm	30 mm	85 mm	35 mm	15,5 mm	3 233690 246886
KLB056	16 mm	8 000 kg	39 mm	33 mm	103 mm	40 mm	21 mm	3 233690 246893



Lifting link - Shortening clutch for making slings

Product dimensions of the standard range are given for information purposes and can vary from a manufacturing to the other one.

However these products answer the reference standard EN 1677.

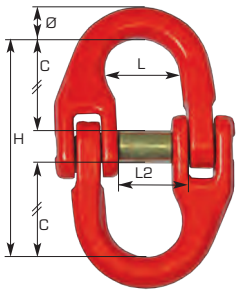
Lifting link of the standard range

STANDARD

Connecting link

Standard EN 1677 - Grade 80

Safety factor 4/1



Ref.	Ø chain	CMU	L	L2	H	C	Ø	Gencod
KLB057	6 mm	1 120 kg	16,5 mm	16 mm	43 mm	18 mm	6,8 mm	3 233690 246909
KLB058	8 mm	2 000 kg	25 mm	22,7 mm	70 mm	26 mm	9 mm	3 233690 246916
KLB059	10 mm	3 150 kg	27 mm	25 mm	77 mm	32 mm	11 mm	3 233690 246923
KLB060	13 mm	5 300 kg	32 mm	30 mm	85 mm	35 mm	15,5 mm	3 233690 246930
KLB061	16 mm	8 000 kg	39 mm	33 mm	103 mm	40 mm	21 mm	3 233690 246947

Indicative dimensions

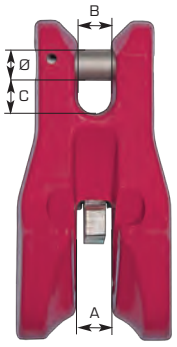
Shortening clutch of the performance range

PERFORMANCE

Shortening clutch with safety

Standard EN 818 and EN 1677 - Grade 80

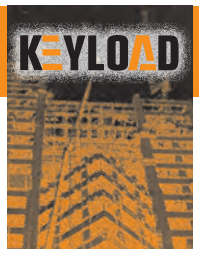
Safety factor 4/1



92

Ref.	Ø chain	CMU	A	B	C	Ø	Gencod
KLB062	6 mm	1 120 kg	8 mm	8 mm	10 mm	7,5 mm	3 233690 246954
KLB063	8 mm	2 000 kg	9,5 mm	9,5 mm	10 mm	10 mm	3 233690 246961
KLB064	10 mm	3 150 kg	12 mm	12 mm	14,5 mm	13 mm	3 233690 246978
KLB065	13 mm	5 300 kg	15,5 mm	15,5 mm	18 mm	16 mm	3 233690 246985
KLB066	16 mm	8 000 kg	19 mm	21 mm	21 mm	21 mm	3 233690 246992

Shorting hooks for making slings



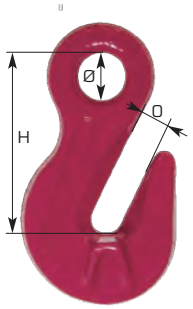
The products of the range performance are certified EN 818 and EN 1677.
They undergo a continuous assessment throughout their process of manufacturing.

Shorting hook of the performance range

PERFORMANCE

Eye grab hook

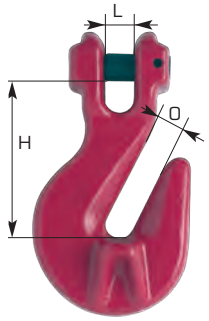
Standard EN 818 and EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB072	7-8 mm	2 000 kg	10 mm	60 mm	16 mm	3 233690 247005
KLB073	10 mm	3 150 kg	13 mm	80 mm	21 mm	3 233690 247012
KLB074	13 mm	5 300 kg	17 mm	104 mm	26 mm	3 233690 247029
KLB075	16 mm	8 000 kg	20 mm	129 mm	30 mm	3 233690 247036

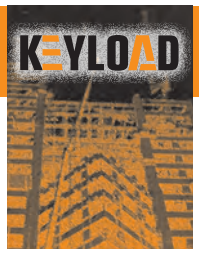
Clevis grab hook

Standard EN 818 and EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	L	Gencod
KLB080	7-8 mm	2 000 kg	10 mm	50 mm	9 mm	3 233690 247081
KLB081	10 mm	3 150 kg	13 mm	72 mm	13 mm	3 233690 247098
KLB082	13 mm	5 300 kg	17 mm	88 mm	17 mm	3 233690 247104
KLB083	16 mm	8 000 kg	20 mm	111 mm	21 mm	3 233690 247111

Shorting hooks for making slings



Product dimensions of the standard range are given for information purposes and can vary from a manufacturing to the other one.

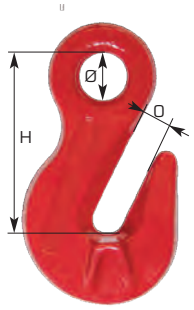
However these products answer the reference standard EN 1677.

Shorting hook of the standard range

STANDARD

Eye grab hook

Standard EN 1677 - Grade 80
Safety factor 4/1

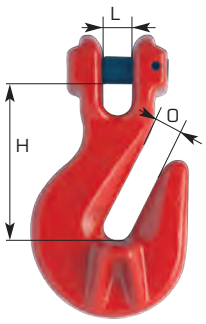


Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB076	7-8 mm	2 000 kg	10 mm	60 mm	16 mm	3 233690 247043
KLB077	10 mm	3 150 kg	13 mm	80 mm	21 mm	3 233690 247050
KLB078	13 mm	5 300 kg	17 mm	104 mm	26 mm	3 233690 247067
KLB079	16 mm	8 000 kg	20 mm	129 mm	30 mm	3 233690 247074

Indicative dimensions

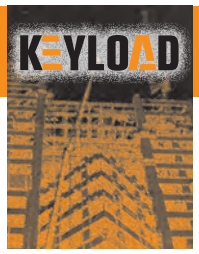
Clevis grab hook

Standard EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	L	Gencod
KLB084	7-8 mm	2 000 kg	10 mm	50 mm	9 mm	3 233690 247128
KLB085	10 mm	3 150 kg	13 mm	72 mm	13 mm	3 233690 247135
KLB086	13 mm	5 300 kg	17 mm	88 mm	17 mm	3 233690 247142
KLB087	16 mm	8 000 kg	20 mm	111 mm	21 mm	3 233690 247159

Indicative dimensions



LIFT > Lifting hooks for making slings

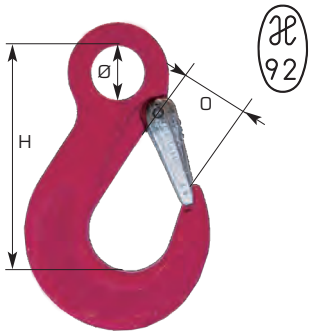
The products of the range performance are certified EN 818 and EN 1677.
They undergo a continuous assessment throughout their process of manufacturing.

Lifting hook of the performance range

PERFORMANCE

Sling hook with latch

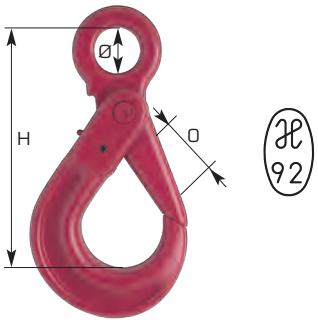
Standard EN 818 et EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB088	6 mm	1 120 kg	25 mm	80,5 mm	20,5 mm	3 233690 247166
KLB089	7-8 mm	2 000 kg	29,5 mm	95,5 mm	25 mm	3 233690 247173
KLB090	10 mm	3 150 kg	35,5 mm	120,5 mm	34 mm	3 233690 247180
KLB091	13 mm	5 300 kg	43,5 mm	150 mm	42,5 mm	3 233690 247197
KLB092	16 mm	8 000 kg	52,5 mm	183 mm	52 mm	3 233690 247203

Self locking eye hook

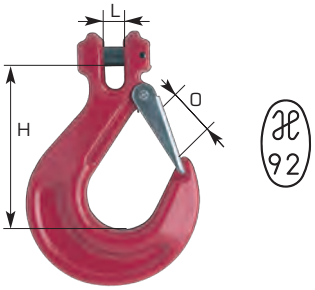
Standard EN 818 et EN 1677 - Grade 80
Safety factor 4/1



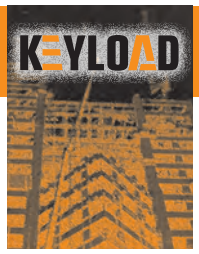
Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB098	6 mm	1 120 kg	28 mm	109 mm	21 mm	3 233690 247265
KLB099	7-8 mm	2 000 kg	34 mm	135 mm	25 mm	3 233690 247272
KLB100	10 mm	3 150 kg	45 mm	168 mm	33 mm	3 233690 247289
KLB101	13 mm	5 300 kg	51 mm	205 mm	40 mm	3 233690 247296
KLB102	16 mm	8 000 kg	60 mm	251 mm	58 mm	3 233690 247302

Clevis sling hook with latch

Standard EN 818 et EN 1677
Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB108	6 mm	1 120 kg	25 mm	73 mm	6,7 mm	3 233690 247364
KLB109	7-8 mm	2 000 kg	29,5 mm	86,3 mm	8,7 mm	3 233690 247371
KLB110	10 mm	3 150 kg	35,7 mm	105 mm	12,2 mm	3 233690 247388
KLB111	13 mm	5 300 kg	43,5 mm	128,5 mm	15,3 mm	3 233690 247395
KLB112	16 mm	8 000 kg	56 mm	155 mm	18 mm	3 233690 247401



LIFT > Lifting hooks for making slings

Product dimensions of the standard range are given for information purposes and can vary from a manufacturing to the other one.

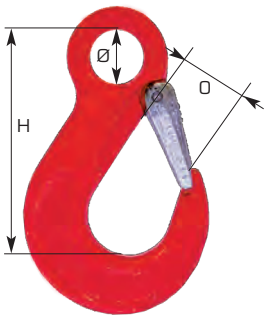
However these products answer the reference standard EN 1677.

Lifting hook of the standard range

STANDARD

Sling hook with latch

Standard EN 1677 - Grade 80
Safety factor 4/1

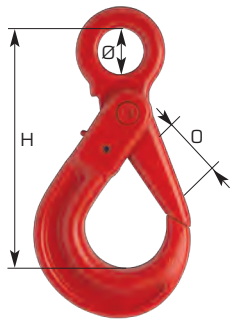


Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB093	6 mm	1 120 kg	25 mm	80,5 mm	20,5 mm	3 233690 247210
KLB094	7-8 mm	2 000 kg	29,5 mm	95,5 mm	25 mm	3 233690 247227
KLB095	10 mm	3 150 kg	35,5 mm	120,5 mm	34 mm	3 233690 247234
KLB096	13 mm	5 300 kg	43,5 mm	150 mm	42,5 mm	3 233690 247241
KLB097	16 mm	8 000 kg	52,5 mm	183 mm	52 mm	3 233690 247258

Indicative dimensions

Self locking eye hook

Standard EN 1677 - Grade 80
Safety factor 4/1

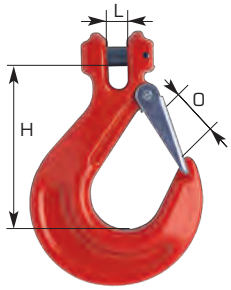


Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB103	6 mm	1 120 kg	28 mm	109 mm	21 mm	3 233690 247319
KLB104	7-8 mm	2 000 kg	34 mm	135 mm	25 mm	3 233690 247326
KLB105	10 mm	3 150 kg	45 mm	168 mm	33 mm	3 233690 247333
KLB106	13 mm	5 300 kg	51 mm	205 mm	40 mm	3 233690 247340
KLB107	16 mm	8 000 kg	60 mm	251 mm	58 mm	3 233690 247357

Indicative dimensions

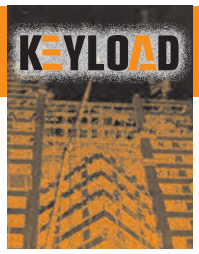
Clevis sling hook with latch

Standard EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	Ø	Gencod
KLB113	6 mm	1 120 kg	25 mm	73 mm	6,7 mm	3 233690 247418
KLB114	7-8 mm	2 000 kg	29,5 mm	86,3 mm	8,7 mm	3 233690 247425
KLB115	10 mm	3 150 kg	35,7 mm	105 mm	12,2 mm	3 233690 247432
KLB116	13 mm	5 300 kg	43,5 mm	128,5 mm	15,3 mm	3 233690 247449
KLB117	16 mm	8 000 kg	56 mm	155 mm	18 mm	3 233690 247456

Indicative dimensions



LIFT > Lifting hooks for making slings

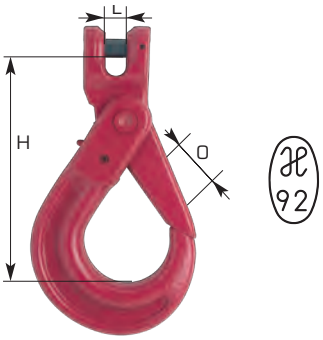
The products of the range performance are certified EN 818 and EN 1677.
They undergo a continuous assessment throughout their process of manufacturing.

Lifting hook of the performance range

PERFORMANCE

Self locking clevis hook

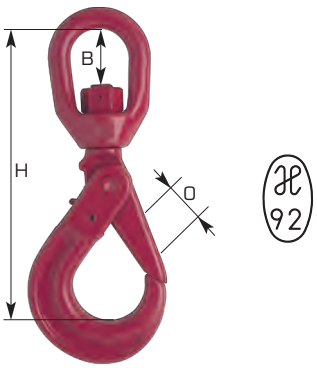
Standard EN 818 et EN 1677 - Grade 80
Safety factor 4/1



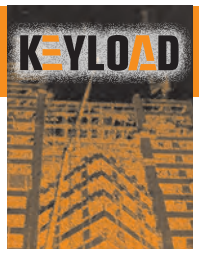
Ref.	Ø chain	CMU	O	H	L	Gencod
KLB118	6 mm	1 120 kg	28 mm	94 mm	7 mm	3 233690 247463
KLB119	7-8 mm	2 000 kg	34 mm	123 mm	9 mm	3 233690 247470
KLB120	10 mm	3 150 kg	45 mm	143 mm	12 mm	3 233690 247487
KLB121	13 mm	5 300 kg	51 mm	180 mm	15 mm	3 233690 247494
KLB122	16 mm	8 000 kg	60 mm	215 mm	19 mm	3 233690 247500

Swivel self locking hook

Standard EN 818 et EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	L	Gencod
KLB128	6 mm	1 120 kg	28 mm	150 mm	23 mm	3 233690 247562
KLB129	7-8 mm	2 000 kg	34 mm	185 mm	27 mm	3 233690 247579
KLB130	10 mm	3 150 kg	45 mm	217 mm	35 mm	3 233690 247586
KLB131	13 mm	5 300 kg	54 mm	271 mm	43 mm	3 233690 247593
KLB132	16 mm	8 000 kg	62 mm	334 mm	58 mm	3 233690 247609



Product dimensions of the standard range are given for information purposes and can vary from a manufacturing to the other one.

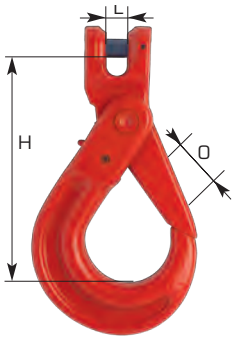
However these products answer the reference standard EN 1677.

Lifting hook of the standard range

STANDARD

Self locking clevis hook

Standard EN 1677 - Grade 80
Safety factor 4/1

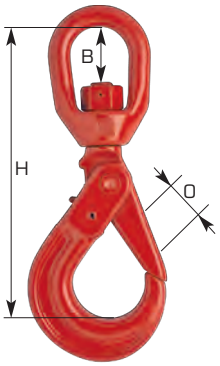


Ref.	Ø chain	CMU	O	H	L	Gencod
KLB123	6 mm	1 120 kg	28 mm	94 mm	7 mm	3 233690 247517
KLB124	7-8 mm	2 000 kg	34 mm	123 mm	9 mm	3 233690 247524
KLB125	10 mm	3 150 kg	45 mm	143 mm	12 mm	3 233690 247531
KLB126	13 mm	5 300 kg	51 mm	180 mm	15 mm	3 233690 247548
KLB127	16 mm	8 000 kg	60 mm	215 mm	19 mm	3 233690 247555

Indicative dimensions

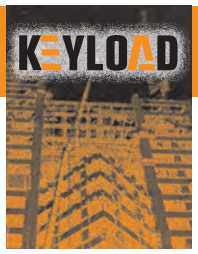
Swivel self locking hook

Standard EN 1677 - Grade 80
Safety factor 4/1



Ref.	Ø chain	CMU	O	H	L	Gencod
KLB133	6 mm	1 120 kg	28 mm	150 mm	23 mm	3 233690 247616
KLB134	7-8 mm	2 000 kg	34 mm	185 mm	27 mm	3 233690 247623
KLB135	10 mm	3 150 kg	45 mm	217 mm	35 mm	3 233690 247630
KLB136	13 mm	5 300 kg	54 mm	271 mm	43 mm	3 233690 247647
KLB137	16 mm	8 000 kg	62 mm	334 mm	58 mm	3 233690 247654

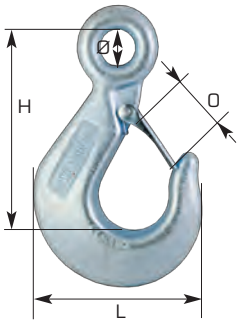
Indicative dimensions



The following accessories must not be used for making slings

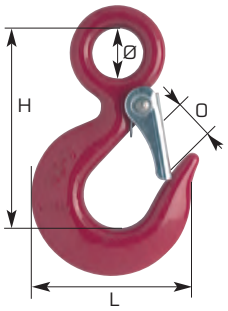
Lifting hook

Lifting eye hooks with latch
DIN 689 - Steel C 15



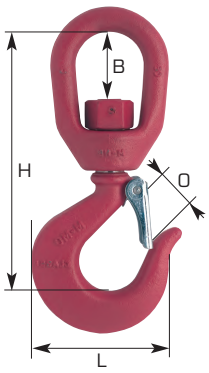
Ref.	CMU	O	H	L	Ø	Gencod
KLB143	250 kg	15 mm	64 mm	53,5 mm	12 mm	3 233690 247661
KLB144	500 kg	22 mm	85 mm	71,5 mm	16 mm	3 233690 247678
KLB145	1 000 kg	25 mm	116 mm	98 mm	20 mm	3 233690 247685
KLB146	1 600 kg	31 mm	138 mm	116 mm	26 mm	3 233690 247692
KLB147	2 500 kg	39 mm	174 mm	145 mm	32 mm	3 233690 247708

Carbon steel eye hooks with latch
Steel C 40

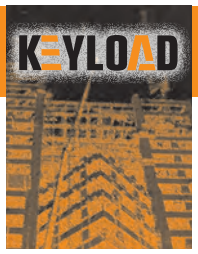


Ref.	CMU	O	H	L	Ø	Gencod
KLB150	800 kg	21,5 mm	80 mm	73 mm	19 mm	3 233690 247715
KLB151	1 000 kg	23 mm	93 mm	82 mm	23 mm	3 233690 247722
KLB152	1 600 kg	23 mm	103 mm	93 mm	27 mm	3 233690 247739
KLB153	2 000 kg	24 mm	117 mm	105 mm	30 mm	3 233690 247746
KLB154	3 200 kg	26,5 mm	145 mm	125 mm	38 mm	3 233690 247753
KLB155	5 000 kg	40 mm	185 mm	168 mm	50 mm	3 233690 247760

Carbon steel revolving hooks with latch
Steel C 40



Ref.	CMU	O	H	L	B	Gencod
KLB162	800 kg	25 mm	113,5 mm	73 mm	34 mm	3 233690 247821
KLB163	1 000 kg	27 mm	135,5 mm	81 mm	34 mm	3 233690 247838
KLB164	1 600 kg	29 mm	156 mm	92 mm	42 mm	3 233690 247845
KLB165	2 000 kg	32 mm	173 mm	104 mm	47 mm	3 233690 247852
KLB166	3 200 kg	38 mm	205 mm	125 mm	55 mm	3 233690 247869
KLB167	5 000 kg	48 mm	243 mm	166 mm	59 mm	3 233690 247876
KLB168	7 500 kg	58 mm	285 mm	193 mm	63 mm	3 233690 247883

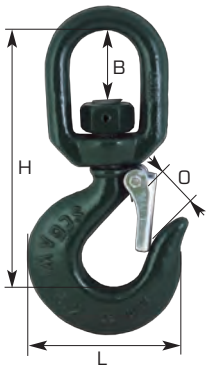


The following accessories must not be used for making slings

Lifting hook

Alloy steel revolving hooks with latch

Body : Steel 39 NiCrMo3
Swivel : Steel C 40

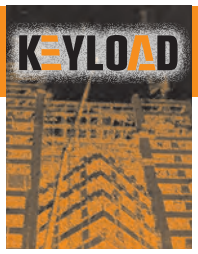


Ref.	CMU	O	H	L	B	Gencod
KLB175	1 250 kg	25 mm	113,5 mm	73 mm	34 mm	3 233690 247951
KLB176	1 600 kg	27 mm	135,5 mm	81 mm	34 mm	3 233690 247968
KLB177	2 500 kg	29 mm	156 mm	92 mm	42 mm	3 233690 247975
KLB178	3 200 kg	32 mm	173 mm	104 mm	47 mm	3 233690 247982
KLB179	5 400 kg	38 mm	205 mm	125 mm	55 mm	3 233690 247999
KLB180	8 000 kg	48 mm	243 mm	166 mm	59 mm	3 233690 248002

Alloy steel eye hooks with latch

Steel 39NiCrMo3

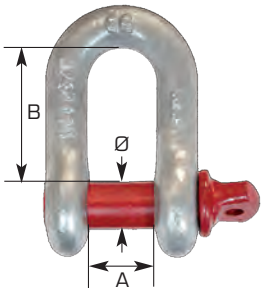
Ref.	CMU	O	H	L	Ø	Gencod
KLB169	1 250 kg	21,5 mm	80 mm	73 mm	19 mm	3 233690 247890
KLB170	1 600 kg	23 mm	93 mm	82 mm	23 mm	3 233690 247906
KLB171	2 500 kg	23 mm	103 mm	93 mm	27 mm	3 233690 247913
KLB172	3 200 kg	24 mm	117 mm	105 mm	30 mm	3 233690 247920
KLB173	5 400 kg	26,5 mm	145 mm	125 mm	38 mm	3 233690 247937
KLB174	8 000 kg	40 mm	185 mm	168 mm	50 mm	3 233690 247944



The following accessories must not be used for making slings

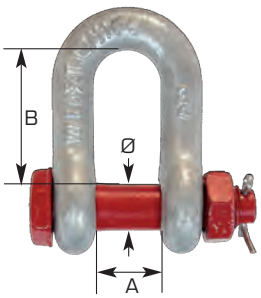
Straight shackle

Alloy steel dee shackles with screw pin
Coefficient 5/1
High-strength steel

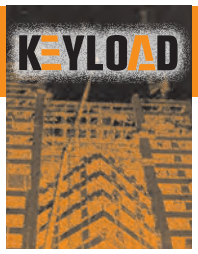


Ref.	CMU	A	B	Ø	Gencod
KLB187	330 kg	9,5 mm	19 mm	6 mm	3 233690 248019
KLB188	500 kg	12 mm	25 mm	8 mm	3 233690 248026
KLB189	750 kg	13,5 mm	27 mm	10 mm	3 233690 248033
KLB190	1 000 kg	17 mm	31 mm	11 mm	3 233690 248040
KLB191	1 500 kg	18,5 mm	37 mm	12 mm	3 233690 248057
KLB192	2 000 kg	20,5 mm	41 mm	16 mm	3 233690 248064
KLB193	3 250 kg	27 mm	51 mm	19 mm	3 233690 248071
KLB194	4 750 kg	32 mm	62 mm	22 mm	3 233690 248088
KLB195	6 500 kg	36 mm	75 mm	25 mm	3 233690 248095
KLB196	8 500 kg	43 mm	81 mm	28 mm	3 233690 248101
KLB197	9 500 kg	47 mm	90 mm	32 mm	3 233690 248118

Alloy steel dee shackles with bolt
Coefficient 5/1
High-strength steel



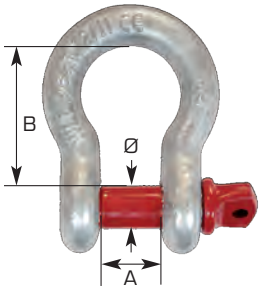
Ref.	CMU	A	B	Ø	Gencod
KLB209	500 kg	12 mm	25 mm	8 mm	3 233690 248231
KLB211	1 000 kg	17 mm	31 mm	11 mm	3 233690 248255
KLB212	1 500 kg	18,5 mm	37 mm	12 mm	3 233690 248262
KLB213	2 000 kg	20,5 mm	41 mm	16 mm	3 233690 248279
KLB214	3 250 kg	27 mm	51 mm	19 mm	3 233690 248286
KLB215	4 750 kg	32 mm	62 mm	22 mm	3 233690 248293
KLB216	6 500 kg	36 mm	75 mm	25 mm	3 233690 248309
KLB217	8 500 kg	43 mm	81 mm	28 mm	3 233690 248316
KLB218	9 500 kg	47 mm	90 mm	32 mm	3 233690 248323



The following accessories must not be used for making slings

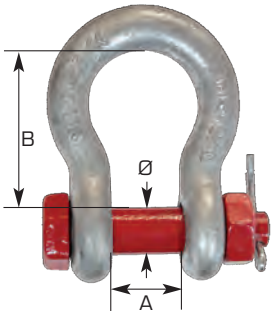
Bow shackle

Alloy steel bow shackles with screw pin
Coefficient 5/1
High-strength steel



Réf.	CMU	A	B	Ø	Gencod
KLB198	330 kg	9,5 mm	22 mm	6 mm	3 233690 248125
KLB199	500 kg	12 mm	29 mm	8 mm	3 233690 248132
KLB200	750 kg	13,5 mm	32 mm	10 mm	3 233690 248149
KLB201	1 000 kg	17 mm	36,5 mm	11 mm	3 233690 248156
KLB202	1 500 kg	18,5 mm	43 mm	12 mm	3 233690 248163
KLB203	2 000 kg	20,5 mm	51 mm	16 mm	3 233690 248170
KLB204	3 250 kg	27 mm	64 mm	19 mm	3 233690 248187
KLB205	4 750 kg	32 mm	76 mm	22 mm	3 233690 248194
KLB206	6 500 kg	36 mm	83 mm	25 mm	3 233690 248200
KLB207	8 500 kg	43 mm	95 mm	28 mm	3 233690 248217
KLB208	9 500 kg	47 mm	108 mm	32 mm	3 233690 248224

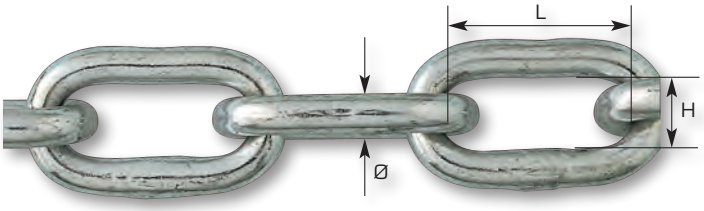
Alloy steel bow shackles with bolt
Coefficient 5/1
High-strength steel



Réf.	CMU	A	B	Ø	Gencod
KLB219	500 kg	12 mm	29 mm	8 mm	3 233690 248330
KLB221	1 000 kg	17 mm	36,5 mm	11 mm	3 233690 248354
KLB222	1 500 kg	18,5 mm	43 mm	12 mm	3 233690 248361
KLB223	2 000 kg	20,5 mm	51 mm	16 mm	3 233690 248378
KLB224	3 250 kg	27 mm	64 mm	19 mm	3 233690 248385
KLB225	4 750 kg	32 mm	76 mm	22 mm	3 233690 248392
KLB226	6 500 kg	36 mm	83 mm	25 mm	3 233690 248408
KLB227	8 500 kg	43 mm	95 mm	28 mm	3 233690 248415
KLB228	9 500 kg	47 mm	108 mm	32 mm	3 233690 248422

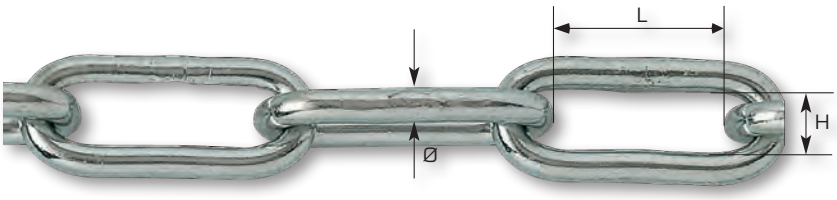
The following chains must not be used for making slings

Welded straight chain



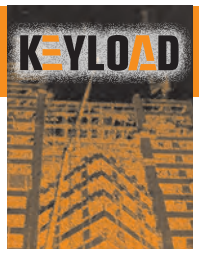
Welded straight chain "short link" - Zing plated steel

Ref.	Ø chain	Lenght	L	H	CMU	Package	Gencod
KLC001	2 mm	15 m	13 mm	5 mm	20 kg	Plastic bag	3 233690 248439
KLC002	3 mm	15 m	19 mm	7 mm	55 kg	Plastic bag	3 233690 248446
KLC003	4 mm	5 m	21,5 mm	7 mm	100 kg	Plastic bag	3 233690 248453
KLC004	5 mm	5 m	22 mm	9 mm	165 kg	Plastic bag	3 233690 248460
KLC005	6 mm	5 m	28 mm	10,5 mm	225 kg	Plastic bag	3 233690 248477
KLC008	4 mm	25 m	21,5 mm	7 mm	100 kg	Bundle	3 233690 248507
KLC009	5 mm	25 m	22 mm	9 mm	165 kg	Bundle	3 233690 248514
KLC010	6 mm	25 m	28 mm	10,5 mm	225 kg	Bundle	3 233690 248521



Welded straight chain "long link" - Zing plated steel - DIN 5685C

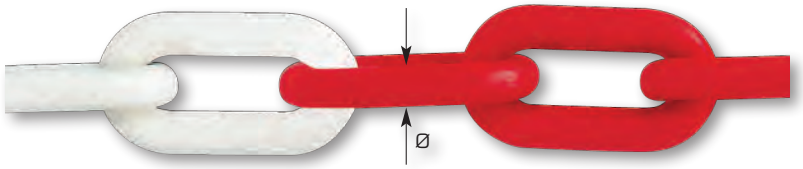
Ref.	Ø chain	Lenght	L	H	CMU	Package	Gencod
KLC006	6 mm	25 m	42 mm	12 mm	225 kg	Bundle	3 233690 248484
KLC007	8 mm	12 m	52 mm	16 mm	400 kg	Bundle	3 233690 248491



MARK OUT > Signaling - Ropes

The following chains and ropes must not be used for making slings

Signaling chain and warming band



Signaling chain - Plastic - Red/white

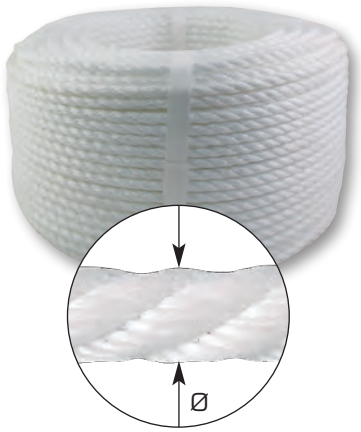
Ref.	Ø chain	Lenght	Package	Gencod
KLC011	8 mm	25 m	Plastic bag	3 233690 248538

Warming band - Polyethylene - Red/white

Ref.	Width	Lenght	Package	Gencod
KLC012	50 mm	100 m	Bulck with label	3 233690 248545

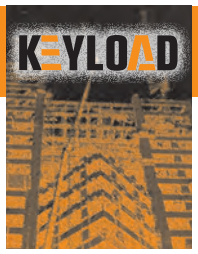
Cable rope

White polypropylene



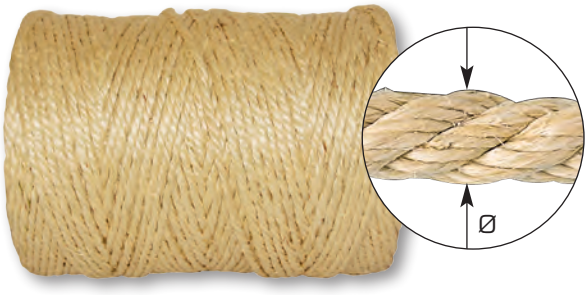
Ref.	Ø	Lenght	Breaking load	Package	Gencod
KLC013	8 mm	100 m	1 071 kg	Ring	3 233690 248552
KLC014	10 mm	100 m	1 591 kg	Ring	3 233690 248569
KLC015	12 mm	100 m	2 264 kg	Ring	3 233690 248576
KLC016	14 mm	100 m	3 121 kg	Ring	3 233690 248583
KLC017	16 mm	50 m	3 916 kg	Ring	3 233690 248590
KLC018	18 mm	50 m	4 987 kg	Ring	3 233690 248606
KLC019	24 mm	50 m	8 047 kg	Ring	3 233690 248613
KLC020	8 mm	25 m	1 071 kg	Ring	3 233690 248620
KLC021	10 mm	25 m	1 591 kg	Ring	3 233690 248637
KLC022	12 mm	25 m	2 264 kg	Ring	3 233690 248644
KLC023	14 mm	25 m	3 121 kg	Ring	3 233690 248651
KLC024	16 mm	25 m	3 916 kg	Ring	3 233690 248668

MARK OUT > Threads and mason's lines



The following ropes must not be used for making slings

Sisal thread



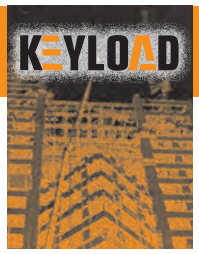
Sisal thread

Ref.	Ø	Length	Weight	Titration	Breaking load	Package	Gencod
KLC025	2,8 mm	180 m	1 000 g	0,6/3	88 kg	Rolls	3 233690 248675

Mason's line

Mason's line

Ref.	Ø	Length	Weight	Breaking load	Package	Gencod
Twisted cotton						
KLC026	1,5 mm	66 m	100 g	15 kg	Bulck with label	3 233690 248682
KLC027	2,5 mm	36 m	100 g	21 kg	Bulck with label	3 233690 248699
Braided cotton						
KLC028	2,5 mm	30 m	100 g	20 kg	Bulck with label	3 233690 248705
KLC029	3 mm	20 m	100 g	35 kg	Bulck with label	3 233690 248712

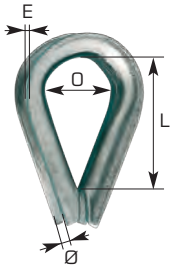


The following accessories must not be used for making slings

Cable accessories

Thimble DIN 6899 A

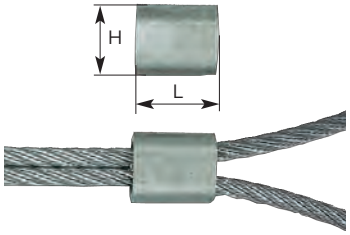
Steel Fe 360 b



Ref.	O	L	Ø	E	Package	Gencod
KLC030	18 mm	40 mm	9 mm	1,8 mm	10 pieces in plastic bag with pin	3 233690 248729
KLC031	22 mm	47,5 mm	11 mm	1,5 mm	6 pieces in plastic bag with pin	3 233690 248736
KLC032	33,5 mm	65 mm	14 mm	2 mm	2 pieces in plastic bag with pin	3 233690 248743

Muft for cables

Aluminium

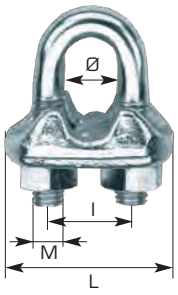


Ref.	L	H	For cable Ø	Package	Gencod
KLC033	14 mm	12 mm	4 mm	20 pieces in plastic bag with pin	3 233690 248750

Wire rope clip

Soleplate : Steel Fe 430 b

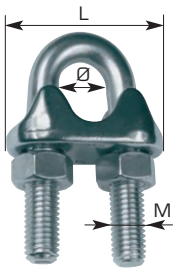
Stirrup : Steel



Ref.	L	I	Ø cable	M	Package	Gencod
KLC034	21 mm	9,5 mm	3/4 mm	M4	24 pieces in plastic bag with pin	3 233690 248767
KLC035	25 mm	11 mm	5 mm	M5	24 pieces in plastic bag with pin	3 233690 248774
KLC036	30 mm	14,5 mm	6 mm	M6	12 pieces in plastic bag with pin	3 233690 248781
KLC037	33 mm	16 mm	8 mm	M6	6 pieces in plastic bag with pin	3 233690 248798
KLC038	38 mm	18 mm	10 mm	M8	6 pieces in plastic bag with pin	3 233690 248804
KLC039	45 mm	23 mm	12 mm	M10	3 pieces in plastic bag with pin	3 233690 248811
KLC040	46 mm	24 mm	14 mm	M10	3 pieces in plastic bag with pin	3 233690 248828
KLC041	53 mm	28 mm	16 mm	M10	3 pieces in plastic bag with pin	3 233690 248835
KLC042	59 mm	30 mm	18 mm	M12	2 pieces in plastic bag with pin	3 233690 248842
KLC043	60 mm	33 mm	20 mm	M12	2 pieces in plastic bag with pin	3 233690 248859

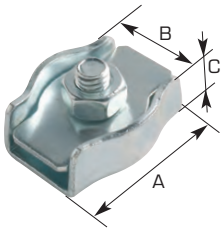
The following accessories must not be used for making slings

Cable accessories



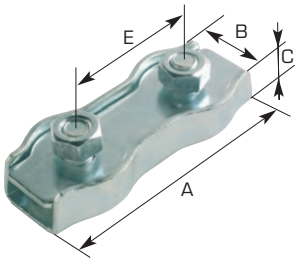
Wire rope clip - Stainless steel - AISI 316

Ref.	L	Ø cable	M	Package	Gencod
KLC044	21 mm	3/4 mm	M5	12 pieces in plastic bag with pin	3 233690 248866
KLC045	33 mm	8 mm	M8	12 pieces in plastic bag with pin	3 233690 248873



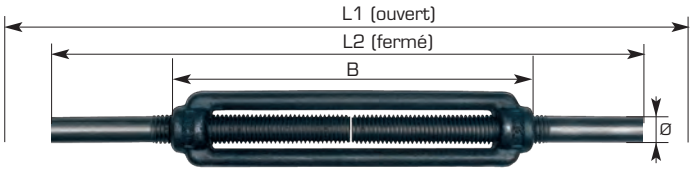
1 bolt flat wire rope clip - Zinc plated steel

Ref.	A	B	C	Ø cable	Package	Gencod
KLC046	14,7 mm	8 mm	5 mm	2 mm	20 pieces in plastic bag with pin	3 233690 248880
KLC047	20 mm	12 mm	7,5 mm	4 mm	10 pieces in plastic bag with pin	3 233690 248897
KLC048	30 mm	17 mm	10 mm	6 mm	10 pieces in plastic bag with pin	3 233690 248903



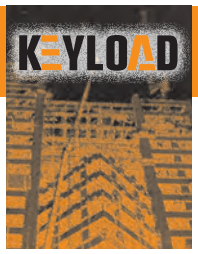
2 bolts flat wire rope clip - Zinc plated steel

Ref.	A	B	C	E	Ø cable	Package	Gencod
KLC049	35 mm	7,5 mm	5 mm	20,5 mm	2 mm	20 pieces in plastic bag with pin	3 233690 248910
KLC050	40 mm	12 mm	7,5 mm	25 mm	4 mm	20 pieces in plastic bag with pin	3 233690 248927
KLC051	60 mm	16 mm	10 mm	33 mm	6 mm	10 pieces in plastic bag with pin	3 233690 248934



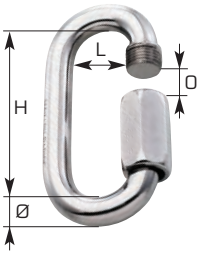
Turnbuckle with stubends
DIN 1480
Steel Fe 430 B

Réf.	Mesure	L1	L2	B	Ø	CMU	Conditionnement	Gencod
KLC052	M8	318 mm	240 mm	110 mm	7,05 mm	410 kg	Bulk with label	3 233690 248941
KLC053	M10	338 mm	300 mm	130 mm	8,80 mm	650 kg	Bulk with label	3 233690 248958
KLC054	M12	422 mm	300 mm	140 mm	10,70 mm	930 kg	Bulk with label	3 233690 248965
KLC055	M14	510 mm	360 mm	170 mm	12,70 mm	1 320 kg	Bulk with label	3 233690 248972
KLC056	M16	567 mm	400 mm	190 mm	14,50 mm	1 750 kg	Bulk with label	3 233690 248989



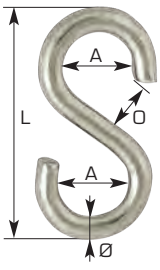
The following accessories must not be used for making slings

Chain accessories



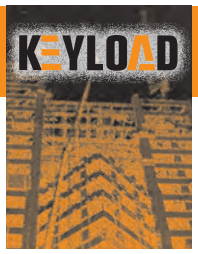
Jonction link standard set "N"
Zing plated steel

Réf.	Ø	H	L	O	Indi. useful load	Breaking load	Package	Gencod
KLC057	3 mm	25 mm	8,5 mm	4 mm	50 kg	250 kg	10 pieces in plastic bag with pin	3 233690 248996
KLC058	4 mm	31,5 mm	11,5 mm	5,5 mm	180 kg	900 kg	10 pieces in plastic bag with pin	3 233690 249009
KLC059	5 mm	39,5 mm	13 mm	6,5 mm	280 kg	1 400 kg	5 pieces in plastic bag with pin	3 233690 249016
KLC060	6 mm	45 mm	14,5 mm	7,5 mm	400 kg	2 000 kg	5 pieces in plastic bag with pin	3 233690 249023
KLC061	7 mm	52 mm	16 mm	8,5 mm	550 kg	2 700 kg	5 pieces in plastic bag with pin	3 233690 249030
KLC062	8 mm	58 mm	17,5 mm	11 mm	700 kg	3 500 kg	2 pieces in plastic bag with pin	3 233690 249047
KLC063	10 mm	69 mm	20,5 mm	12 mm	1 100 kg	5 500 kg	2 pieces in plastic bag with pin	3 233690 249054
KLC064	12 mm	80,5 mm	23,5 mm	15 mm	1 500 kg	7 500 kg	2 pieces in plastic bag with pin	3 233690 249061



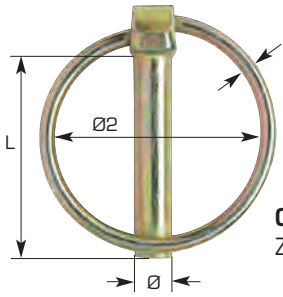
Open S-hook
Zinc plated steel

Réf.	Ø	A	L	O	Indicative useful load	Package	Gencod
KLC065	3 mm	9,5 mm	31 mm	6 mm	20,2 kg	25 pieces in plastic bag with pin	3 233690 249078
KLC066	5 mm	13 mm	46 mm	8 mm	55 kg	25 pieces in plastic bag with pin	3 233690 249085
KLC067	7 mm	18,5 mm	63 mm	10,5 mm	97,6 kg	10 pieces in plastic bag with pin	3 233690 249092
KLC068	8 mm	21,5 mm	72 mm	12,5 mm	131,8 kg	10 pieces in plastic bag with pin	3 233690 249108



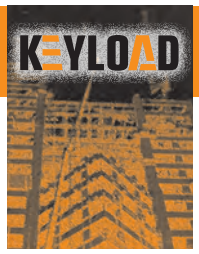
The following accessories must not be used for making slings

Mechanical accessorie



Clips pin
Zinc plated steel

Ref.	Ø	Ø1	Ø2	L	Package	Gencod
KLC069	6 mm	3,5 mm	41 mm	42 mm	20 pieces in plastic bag with pin	3 233690 265894
KLC070	8 mm	3,5 mm	40 mm	48 mm	20 pieces in plastic bag with pin	3 233690 265900
KLC071	11 mm	3,5 mm	41 mm	40 mm	10 pieces in plastic bag with pin	3 233690 265917



NOTES

CREATIVE WORLD

Wire	**P 215-220**
Cords	**P 221**
Ribbons	**P 222**
Thread	**P 223**
Chains	**P 224**
Accessories	**P 225-226**

Creô
THIS DAY...
love
37
friends

Creô

CREATIVE WORLD

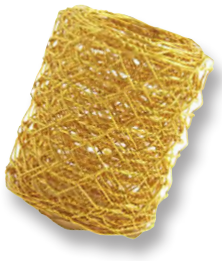
Aluminum wire

Ref.	Colour	Diameter	Length	Gencod
LCR024		2 mm	5 m	3 233690 254904
LCR025		2 mm	5 m	3 233690 254911
LCR026		2 mm	5 m	3 233690 254928
LCR027		2 mm	5 m	3 233690 254935
LCR028		2 mm	5 m	3 233690 254942
LCR029		2 mm	5 m	3 233690 254959
LCR030		2 mm	5 m	3 233690 254966
LCR031		2 mm	5 m	3 233690 254973
LCR032		2 mm	5 m	3 233690 254980

Zig zag wire

Ref.	Colour	Diameter	Length	Gencod
LCR033		0,3 mm	30 g	3 233690 254997
LCR034		0,3 mm	30 g	3 233690 255000
LCR035		0,3 mm	30 g	3 233690 255017
LCR036		0,3 mm	30 g	3 233690 255024

Decorating roasting wire



Ref.	Colour	Diameter	Width	Length	Gencod
LCR102		0,55 mm	65 mm	2 m	3 233690 256694
LCR103		0,55 mm	65 mm	2 m	3 233690 256700
LCR104		0,55 mm	65 mm	2 m	3 233690 256717
LCR105		0,55 mm	65 mm	2 m	3 233690 256724
LCR106		0,7 mm	500 mm	3 m	3 233690 262923

Florist wires - Paper threads with metal wire core

Florist wire

Ref.	Colour	Diameter	Length	Quantity	Gencod
LCR037		0,8 mm	40 cm	50	3 233690 255031

Paper thread with metal wire core

Ref.	Colour	Length	Gencod
LCR076		100 m	3 233690 255420
LCR077		100 m	3 233690 255437

Cords with metal wire core - Polypropylene thread

Cord with metal wire core

Réf.	Colour	Diameter	Length	Gencod
LCR048		1,6 mm	10 m	3 233690 255147
LCR049		1,6 mm	10 m	3 233690 255154
LCR050		1,7 mm	10 m	3 233690 255161
LCR051		1,7 mm	10 m	3 233690 255178
LCR052		1,7 mm	10 m	3 233690 255185

Polypropylene thread

Ref.	Colour	Diameter	Length	Gencod
LCR054		1,1 mm	10 m	3 233690 255208
LCR055		1,1 mm	10 m	3 233690 255215
LCR056		1,1 mm	10 m	3 233690 255222
LCR057		1,1 mm	10 m	3 233690 255239

Polyester thread

Ref.	Colour	Diameter	Length	Gencod
LCR053	●	1,1 mm	10 m	3 233690 255192

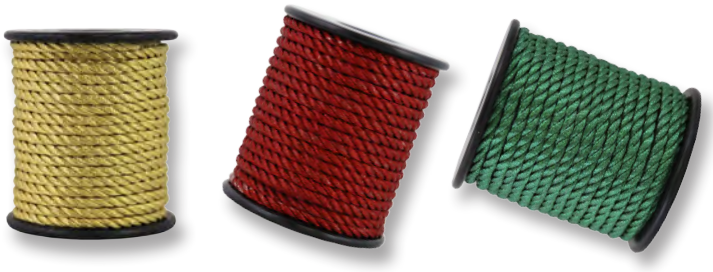
Ref.	Colour	Diameter	Length	Gencod
LCR058	● ○	1 mm	35 m	3 233690 255246
LCR059	● ○	1 mm	35 m	3 233690 255253
LCR060	● ○	1 mm	35 m	3 233690 255260
LCR061	● ○	1 mm	35 m	3 233690 255277

Elastic thread

Ref.	Colour	Diameter	Length	Gencod
LCR084		1,1 mm	5 m	3 233690 255505
LCR085		1,1 mm	5 m	3 233690 255512
LCR086		1 mm	5 m	3 233690 255529

Ref.	Colour	Diameter	Length	Gencod
LCR088		1,7 mm	5 m	3 233690 255543
LCR089		1,7 mm	5 m	3 233690 255550
LCR091		1,7 mm	5 m	3 233690 255574
LCR092		3 mm	5 m	3 233690 255581
LCR093		3 mm	5 m	3 233690 255598

Metallic twisted cord



Ref.	Colour	Diameter	Length	Gencod
LCR045		3 mm	10 m	3 233690 255116
LCR046		3 mm	10 m	3 233690 255123
LCR047		3 mm	10 m	3 233690 255130

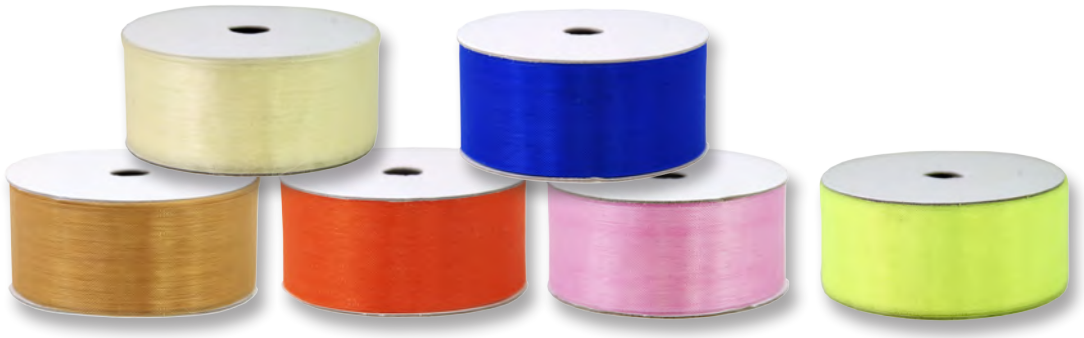
China knot cord

Ref.	Colour	Diameter	Length	Gencod
LCR065		2 mm	25 m	3 233690 255314
LCR066		2 mm	25 m	3 233690 255321
LCR067		2 mm	25 m	3 233690 255338
LCR068		2 mm	25 m	3 233690 255345
LCR069		2 mm	25 m	3 233690 255352
LCR070		2 mm	25 m	3 233690 255369
LCR071		2 mm	25 m	3 233690 255376
LCR072		2 mm	25 m	3 233690 255383

Jute ribbon

Ref.	Colour	Width	Length	Gencod
LCR094		80 mm	3 m	3 233690 255604
LCR095		80 mm	3 m	3 233690 255611

Organdi ribbon



Ref.	Colour	Width	Length	Gencod
LCR096		25 mm	20 m	3 233690 255628
LCR097		25 mm	20 m	3 233690 255635
LCR098		25 mm	20 m	3 233690 255642
LCR099		25 mm	20 m	3 233690 255659
LCR100		25 mm	20 m	3 233690 255666
LCR101		25 mm	20 m	3 233690 255673

Synthetic raffia

Ref.	Colour	Weight	Length	Gencod
LCR078		10 gr	20 m	3 233690 255444
LCR079		10 gr	20 m	3 233690 255451
LCR080		10 gr	20 m	3 233690 255468
LCR081		10 gr	20 m	3 233690 255475

Aluminium chains - Zing plated steel chains

Twisted chain
Aluminium

Ref.	Colour	Diameter	Length	Gencod
LCR038		1,6 mm	2,5 m	3 233690 255048
LCR039		1,4 mm	2,5 m	3 233690 255055
LCR040		1,7 mm	2,5 m	3 233690 255062
LCR041		1,3 mm	2,5 m	3 233690 255079

Twisted chain
Zinc plated steel

Ref.	Colour	Diameter	Length	Gencod
LCR042		1,6 mm	2,5 m	3 233690 255086
LCR043		1 mm	2,5 m	3 233690 255093

DECORATE > Split rings - Binding rings

Split ring
Brass plated steel

Ref.	Colour	Interior diameter	Quantity	Gencod
LCR001		14 mm	12	3 233690 254676
LCR002		22 mm	10	3 233690 254683
LCR003		28 mm	4	3 233690 254690

Binding ring
Nickel steel

Ref.	Colour	Interior diameter	Quantity	Gencod
LCR005		20 mm	6	3 233690 254713
LCR007		25 mm	6	3 233690 254737
LCR008		25 mm	6	3 233690 254744
LCR009		25 mm	6	3 233690 254751
LCR010		25 mm	6	3 233690 254768
LCR011		25 mm	6	3 233690 254775
LCR012		25 mm	6	3 233690 254782

Key ring
Brass plated steel

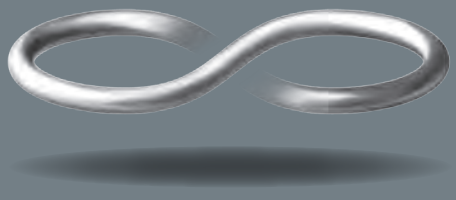
Ref.	Colour	Dimensions	Quantity	Gencod
LCR014		60 x 25 mm	6	3 233690 254805
LCR015		60 x 25 mm	6	3 233690 254812

"Pump" spring hook
Bronze plated steel

Ref.	Colour	Length	Quantity	Gencod
LCR017		38 mm	6	3 233690 262602

Design Marketing Department Ets Jean CHAPUIS - Non-contractual photos and product colours

This product is certifed PEFC **10-31-1479** - print by DEKLIC Graphique - 2016030148



CHAPUIS

LE LIEN QUI VOUS LIBÈRE L'ESPRIT

Ets Jean CHAPUIS 3 rue du 20 Novembre 1944 - 70290 PLANCHER-BAS - FRANCE
Tel. +33 (0)3 84 57 34 60 - Fax +33 (0)3 84 23 20 47

www.chapuis.fr