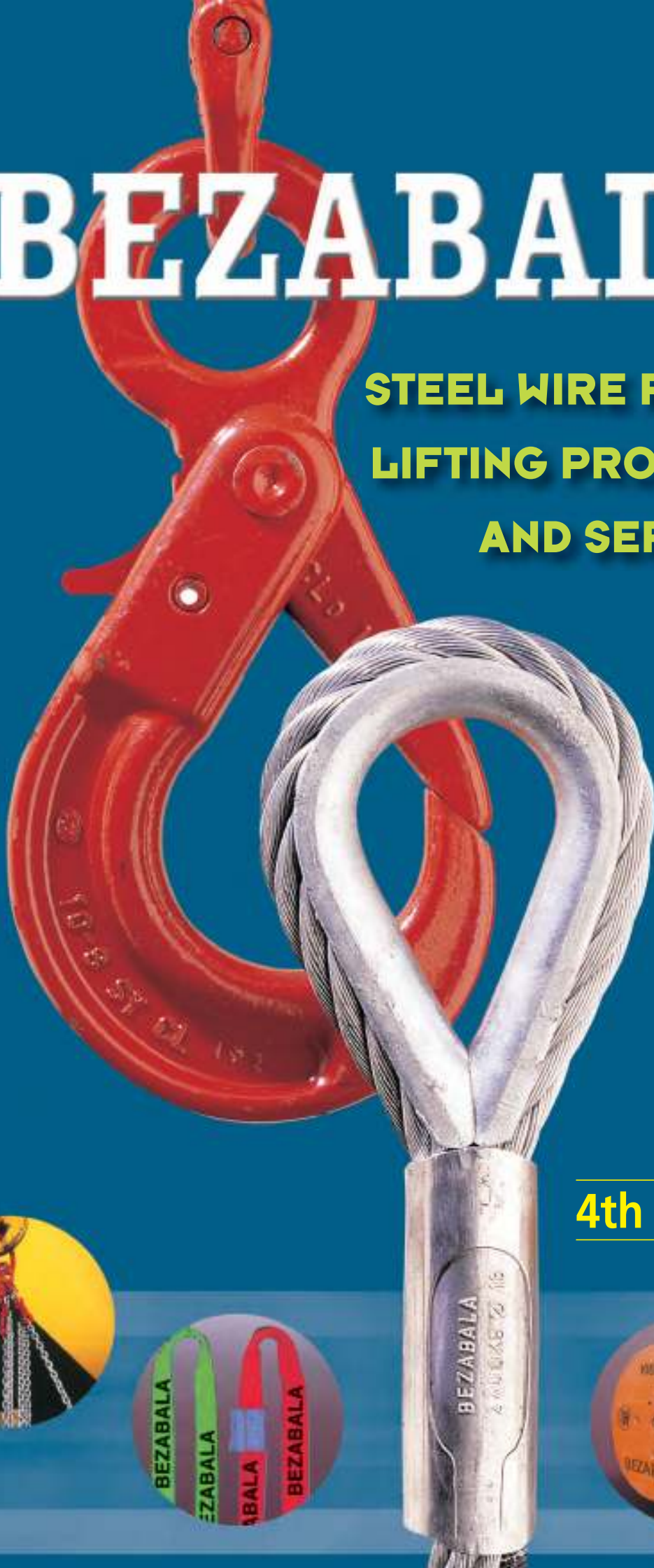




BEZABALA

**STEEL WIRE ROPES,
LIFTING PRODUCTS
AND SERVICES**



4th Edition





BEZABALA

SHORT HISTORY

- 1941 Bezabala founded (Bilbao)
- 1993 Opening of southern branch (Seville)
- 1994 Opening of north western branch (Corunna)
- 2000 Opening of central branch (Madrid)
- 2000 Opening of Havana branch (Cuba)
- 2003 Opening of Catalonia branch (Barcelona)
- 2009 Opening of east coast branch (Valencia)



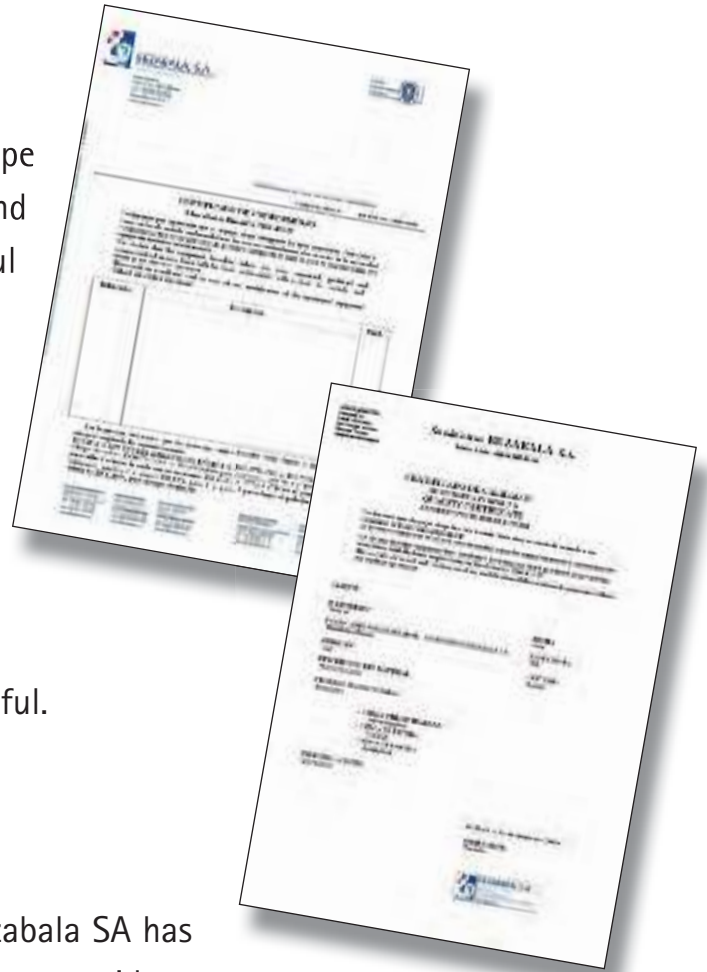
INTRODUCTION

We dedicate this catalogue to you in the hope that it will teach you about our activities and that its contents will provide you with useful information.

We have tried to bring together what we consider to be the most relevant aspects of our experience during 70 years in this field.

We are at your disposition for any clarifications needed in this regard.

We hope that you will find this catalogue useful.



COMMITMENT TO QUALITY

Since its beginnings, the main priority of Bezabala SA has been continuous quality improvement in order to provide, maintain and develop a quality system that provides control over the various factors affecting its processes and gives the required quality level. For this, all product manufacturing stages through to sales have a suitable quality level.

The experience of 70 years in the market, the firm commitment of management and the participation at all levels in the company has allowed the quality management system to be kept up-to-date, guaranteeing satisfaction for all clients.

Lloyd's Register, Det Norske Veritas, Bureau Veritas and the Shipping Inspectorate certify and periodically revise the tests carried out on our own test benches.

At the same time, all manufacturers whose products are distributed by Bezabala SA are market indicators at both European and worldwide levels and all have their own quality certificates.



APPROVED TEST BENCH FOR TESTS OF UP TO 100 TONNES



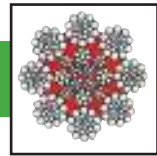
BEZABALA

At the request of our clients, we carry out inspections of the various lifting devices in their premises (see inspection chapter).



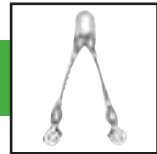
CONTENTS

STEEL WIRE ROPES



5

STEEL WIRE ROPE SLINGS



25

GRADE 80 CHAINS



33

GRADE 100 CHAINS



47

EYE BOLTS



57

POLYESTER SLINGS



63

FASTENING SYSTEMS



79

CLAMPS, BEAMS AND MAGNETS



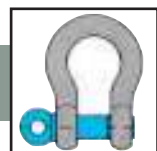
87

MANUAL HOISTS



97

ACCESSORIES



105

CHECKING AND TRAINING



113



STEEL WIRE ROPES

**GALVANISED AND BRIGHT
FOR LIFTS
SPECIAL**

Made as per the following
standards:

EN 12385-4

EN 12385-5

ISO 2408

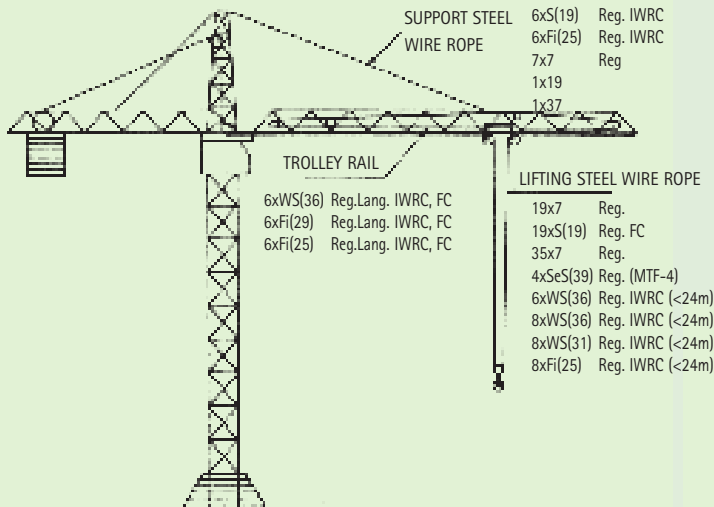
DIN standards

KIS specification

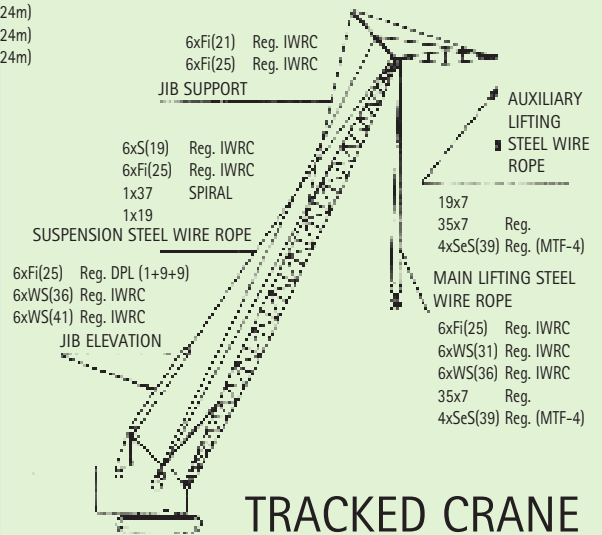
etc



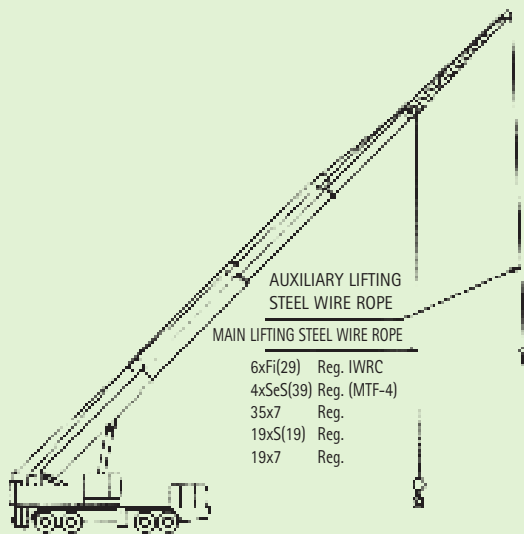
STEEL WIRE ROPE FOR CRANES



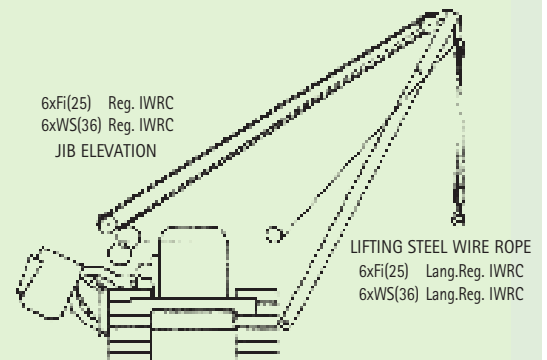
TOWER CRANE



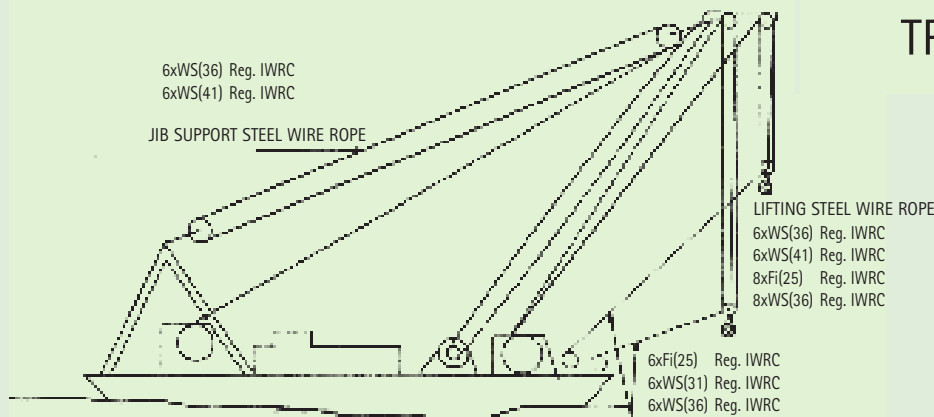
TRACKED CRANE



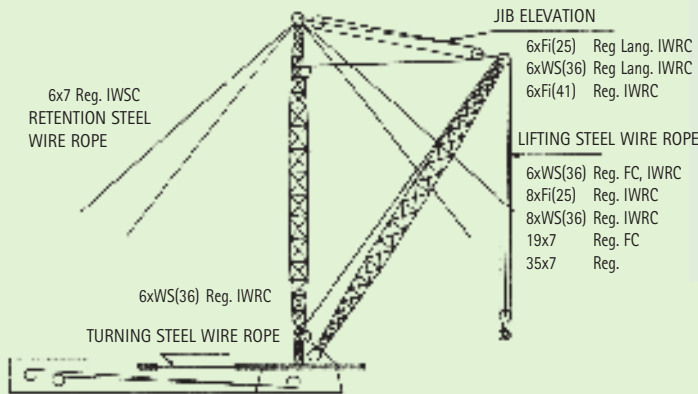
MOBILE CRANE



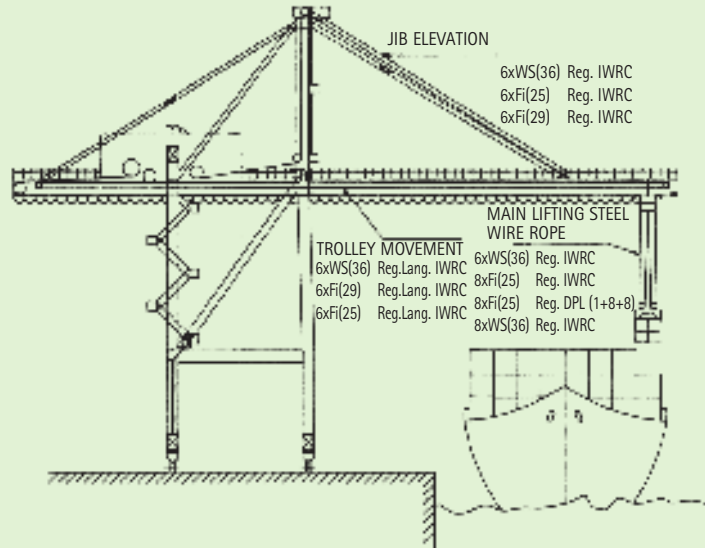
TROLLEY JIB CRANE



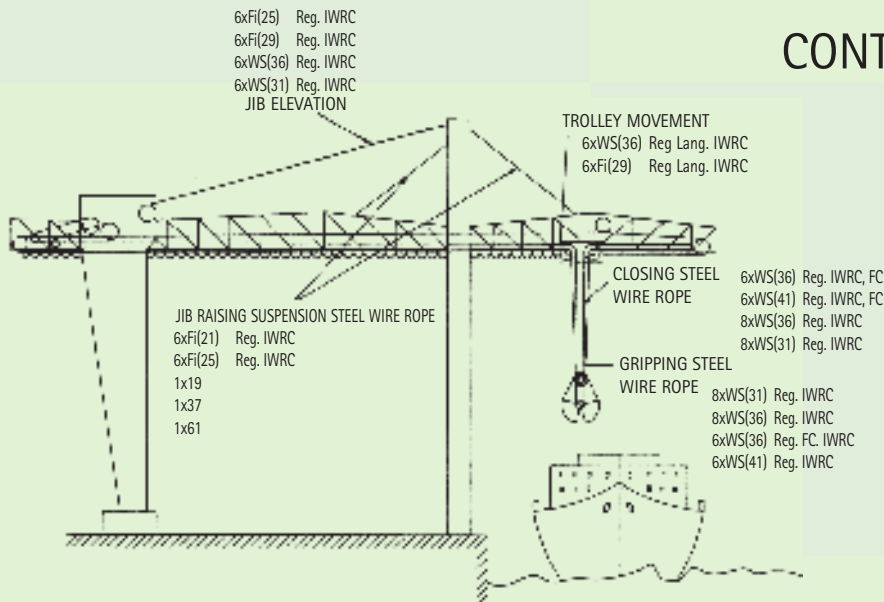
FLOATING CRANE



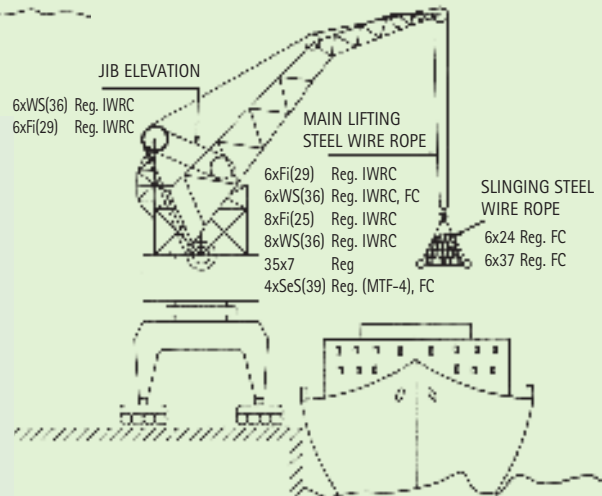
FIXED CRANE



CONTAINER CRANE



UNLOADING CRANE

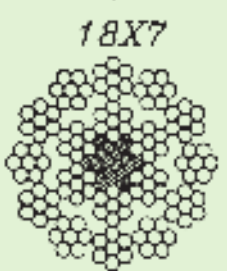
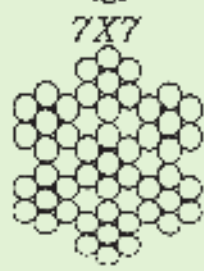
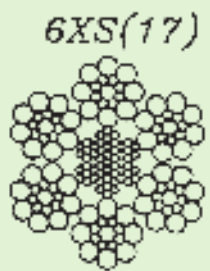
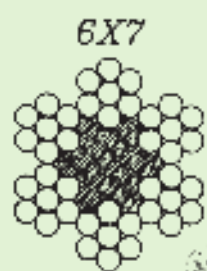
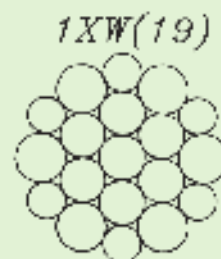
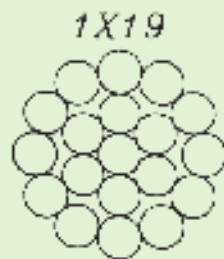
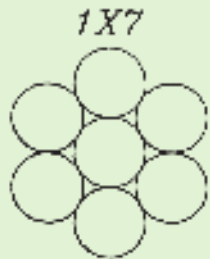


DOCK CRANE

For further information, visit our Web site at www.bezabala.com or consult our technical department



STEEL WIRE ROPE CONSTRUCTION





<p>3X24</p>	<p>3XWS(31)</p>	<p>3XWS(36)</p>	<p>4XF_i(29)</p>	<p>4XWS(36)</p>
<p>6X19</p>	<p>6X24</p>	<p>6X30</p>	<p>6X37</p>	<p>6X61</p>
<p>6XF_i(21)</p>	<p>6XF_i(25)</p>	<p>6XF_i(29)</p>	<p>6XWS(26)</p>	<p>6XWS(31)</p>
<p>8X5(19)</p>	<p>8XF_i(25)</p>	<p>8XF_i(29)</p>	<p>8XWS(26)</p>	<p>8XWS(36)</p>
<p>18XS(19)</p>	<p>19X7</p>	<p>19X19</p>	<p>19XS(19)</p>	<p>34X7</p>
<p>6XWS(41) +6X7+1XS(19)</p>	<p>6XWS(31) +6XS(19)</p>	<p>8XF_i(25) +8X7+1XS(19)</p>	<p>8XF_i(25) -4X7+4XS(19)+1X7</p>	<p>4XSeS(39) FLATTENED(MTP-4)</p>

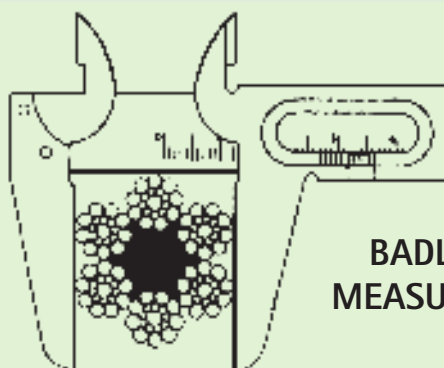
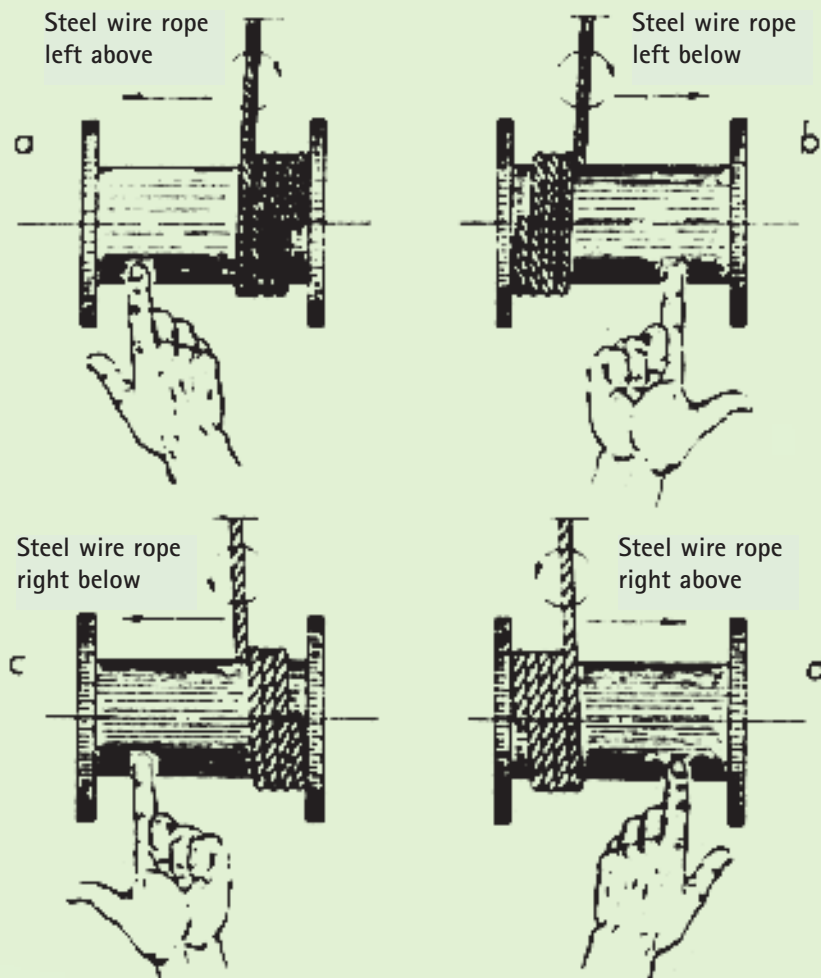


STANDARDS FOR WINDING STEEL WIRE ROPES ON DRUMS

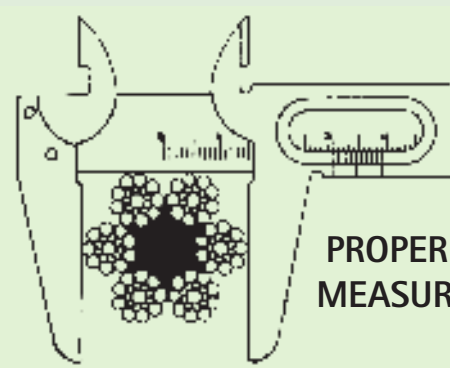
It is very important to follow these rules. Failure to do so could cause of the cable coils to overlap and cross over, crushing and bending the strands.

The following figure shows the rules to follow. For cables coiled to the right, use the left hand, and for cables coiled to the left, use the right hand. Both hands must be placed palm downward if the cable coils and uncoils over the top of the drum and with the palm upward if it coils and uncoils at the bottom.

The direction of cable coiling is shown by the thumb of the hand being used, ALWAYS from little finger to thumb.



**BADLY
MEASURED**

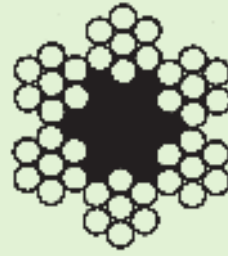


**PROPERLY
MEASURED**

For further information, visit our Web site at www.bezabala.com
or consult our **Technical Department**



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
1006071NGD02A	2	0.0143	239
1006071NGD03A	3	0.0322	538
1006071NGD04A	4	0.0572	957
1006071NGD05A	5	0.0894	1,500
1006071NGD06A	6	0.1290	2,150
1006071NGD07A	7	0.1750	2,930



COMPOSITION

6 x 7 + 1
(180 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
1006191NGD03A	3	0.0311	498
1006191NGD04A	4	0.0554	885
1006191NGD05A	5	0.0865	1,380
1006191NGD06A	6	0.1250	1,990
1006191NGD07A	7	0.1700	2,710
1006191NGD08A	8	0.2210	3,540
1006191NGD09A	9	0.2800	4,480
1006191NGD10A	10	0.3460	5,530
1006191NGD11A	11	0.4190	6,690
1006191NGD12A	12	0.4980	7,970
1006191NGD13A	13	0.5850	9,350
1006191NGD14A	14	0.6780	10,800
1006191NGD16A	16	0.8860	14,200
1006191NGD18A	18	1.1200	17,900
1006191NGD20A	20	1.3800	22,100
1006191NGD22A	22	1.6700	26,800
1006191NGD24A	24	1.9900	31,900



COMPOSITION

6 x 19 + 1
(180 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
1006191NGD03A	3	0.0311	498
1006191NGD04A	4	0.0554	885
1006371NGD06A	6	0.125	1,910
1006371NGD07A	7	0.170	2,600
1006371NGD08A	8	0.221	3,400
1006371NGD09A	9	0.280	4,300
1006371NGD10A	10	0.346	5,310
1006371NGD11A	11	0.419	6,420
1006371NGD12A	12	0.498	7,640
1006371NGD13A	13	0.585	8,970
1006371NGD14A	14	0.678	10,400
1006371NGD16A	16	0.886	13,600
1006371NGD18A	18	1.120	17,200
1006371NGD20A	20	1.380	21,200
1006371NGD22A	22	1.670	25,700
1006371NGD24A	24	1.990	30,600
1006371NGD26A	26	2.340	35,900
1006371NGD28A	28	2.710	41,600
1006371NGD30A	30	3.125	47,724
1006371NGD32A	32	3.540	54,300
1006371NGD34A	34	4.010	61,367
1006371NGD36A	36	4.480	68,800
1006371NGD40A	40	5.540	84,900
1006371NGD44A	44	6.700	103,000
1006371NGD48A	48	7.970	122,000
1006371NGD50A	50	8.650	133,100
1006371NGD55A	55	10.500	161,100
1006371NGD60A	60	12.500	191,700



COMPOSITION

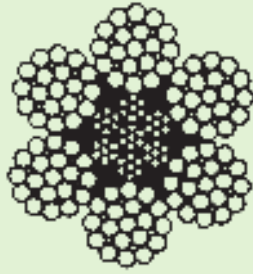
6 x 37 + 1
(180 kg/mm²)





COMPOSITION

6 x 25 (7 x 7 + 0)
(180 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100625MNND08A	8	0.256	4,108
100625MNND09A	9	0.324	5,198
100625MNND10A	10	0.400	6,422
100625MNND11A	11	0.484	7,767
100625MNND12A	12	0.576	9,245
100625MNND13A	13	0.676	10,805
100625MNND14A	14	0.784	12,640
100625MNND15A	15	0.902	14,510
100625MNND16A	16	1.02	16,411

COMPOSITION

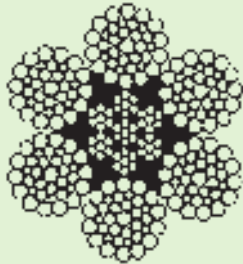
6 x 36 + 1 WS
(180 kg/mm²)



Code T. D.	Code T. I.	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
1006361NND20A	1006361NNI20A	20	1.47	23,853
1006361NND22A	1006361NNI22A	22	1.78	28,848
1006361NND24A	1006361NNI24A	24	2.11	34,250
1006361NND26A	1006361NNI26A	26	2.48	40,265
1006361NND28A	1006361NNI28A	28	2.88	46,687
1006361NND30A	1006361NNI30A	30	3.30	53,119
1006361NND32A	1006361NNI32A	32	3.76	60,958
1006361NND34A	1006361NNI34A	34	4.24	68,816
1006361NND36A	1006361NNI36A	36	4.76	77,166
1006361NND38A	1006361NNI38A	38	5.30	85,978
1006361NND40A	1006361NNI40A	40	5.87	95,310

COMPOSITION

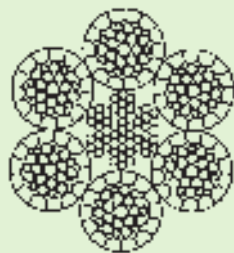
6 x 36 + (7 x 7 + 0) WS
(180 kg/mm²)



Code T. D.	Code T. I.	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100636MNND14A	100636MNNI14A	14	0.802	12,640
100636MNND16A	100636MNNI16A	16	1.05	16,411
100636MNND18A	100636MNNI18A	18	1.33	20,795
100636MNND20A	100636MNNI20A	20	1.64	25,688
100636MNND22A	100636MNNI22A	22	1.98	31,090
100636MNND24A	100636MNNI24A	24	2.36	37,003
100636MNND25A	100636MNNI25A	25	2.56	40,150
100636MNND26A	100636MNNI26A	26	2.76	43,425
100636MNND28A	100636MNNI28A	28	3.21	50,356
100636MNND30A	100636MNNI30A	30	3.68	57,807
100636MNND32A	100636MNNI32A	32	4.19	65,749
100636MNND34A	100636MNNI34A	34	4.73	74,224
100636MNND36A	100636MNNI36A	36	5.30	83,282
100636MNND38A	100636MNNI38A	38	5.90	92,793
100636MNND40A	100636MNNI40A	40	6.54	102,956
100636MNND44A	100636MNNI44A	44	7.92	124,362
100636MNND52A	100636MNNI52A	52	11.10	173,292
100636MNND56A	100636MNNI56A	56	12.80	201,834
100636MNND60A	100636MNNI60A	60	14.70	231,396

COMPOSITION

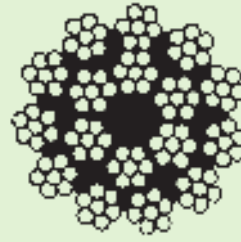
6 x 36 + (7x7+0) COMPACT
(180 kg/mm²)



Code T. D.	Code T. I.	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100636MCND14A	100636MCNI14A	14	0.89	15,489
100636MCND16A	100636MCNI16A	16	1.16	19,006
100636MCND18A	100636MCNI18A	18	1.47	24,055
100636MCND20A	100636MCNI20A	20	1.82	29,695
100636MCND22A	100636MCNI22A	22	2.20	36,009
100636MCND24A	100636MCNI24A	24	2.62	42,766
100636MCND26A	100636MCNI26A	26	3.07	50,188
100636MCND28A	100636MCNI28A	28	3.56	57,378
100636MCND30A	100636MCNI30A	30	4.09	66,822
100636MCND32A	100636MCNI32A	32	4.65	76,025
100636MCND34A	100636MCNI34A	34	5.25	85,828
100636MCND36A	100636MCNI36A	36	5.89	93,895



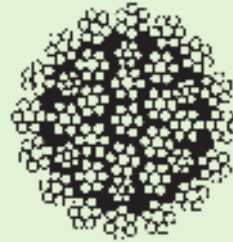
Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
1001771NNL04B	4	0.06	1,053
1001771NNL05B	5	0.10	1,645
1001771NNL06B	6	0.138	2,355
1001771NNL07B	7	0.187	3,211
1001771NNL08B	8	0.244	4,189
1001771NNL09B	9	0.309	5,310
1001771NNL10B	10	0.382	6,554
1001771NNL11B	11	0.462	7,930
1001771NNL12B	12	0.550	9,439
1001771NNL13B	13	0.646	11,111
1001771NNL14B	14	0.749	12,844
1001771NNL16B	16	0.978	16,819
1001771NNL18B	18	1.24	21,202
1001771NNL20B	20	1.53	26,197



**NON-ROTATING
STEEL WIRE ROPE
COMPOSITION**
17 x 7 + 1 Lang
(200 kg/mm²)



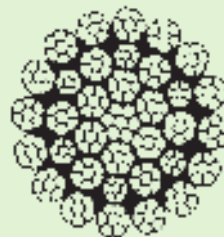
Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100357MWNL10B	10	0.454	7,196
100357MWNL12B	12	0.654	10,397
100357MWNL13B	13	0.767	12,130
100357MWNL14B	14	0.89	14,067
100357MWNL15B	15	1.02	16,148
100357MWNL16B	16	1.16	18,450
100357MWNL17B	17	1.30	20,828
100357MWNL18B	18	1.47	23,343
100357MWNL19B	19	1.63	26,009
100357MWNL20B	20	1.82	28,746
100357MWNL21B	21	2.00	31,692
100357MWNL22B	22	2.2	34,862
100357MWNL24B	24	2.62	41,385
100357MWNL26B	26	3.07	48,623
100357MWNL28B	28	3.56	56,371
100357MWNL30B	30	4.08	64,711
100357MWNL32B	32	4.65	73,700
100357MWNL34B	34	5.24	83,200
100357MWNL36B	36	5.88	93,170



**NON-ROTATING
STEEL WIRE ROPE
COMPOSITION**
35 x 7 Warrington
(200 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100357MCNL10C	10	0.515	10,000
100357MCNL12C	12	0.742	14,300
100357MCNL13C	13	0.870	16,800
100357MCNL14C	14	1.01	19,400
100357MCNL15C	15	1.16	21,300
100357MCNL16C	16	1.27	25,400
100357MCNL17C	17	1.44	28,600
100357MCNL18C	18	1.61	32,200
100357MCNL19C	19	1.79	35,800
100357MCNL20C	20	1.97	39,700
100357MCNL21C	21	2.17	43,700
100357MCNL22C	22	2.38	48,100
100357MCNL24C	24	2.82	57,200
100357MCNL25C	25	3.10	62,100
100357MCNL26C	26	3.39	67,100
100357MCNL28C	28	3.81	77,900
100357MCNL30C	30	4.41	89,400
100357MCNL32C	32	5.00	101,800
100357MCNL34C	34	5.64	114,400
100357MCNL36C	36	6.33	128,700



**NON-ROTATING
STEEL WIRE ROPE**
35 x 7 Warrington
Compacted
(220 kg/mm²)



**AISI 316 STAINLESS
STEEL WIRE ROPE
COMPOSITION**
7 x 7
(160 kg/mm²)



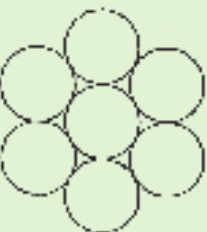
Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100077MNID02E	2	1.54	229
10077MNID025E	2,5	2.70	358
100077MNID03E	3	3.46	516
100077MNID04E	4	6.14	915
100077MNID05E	5	9.60	1,440
100077MNID06E	6	13.80	2,060
100077MNID07E	7	18.80	2,800
100077MNID08E	8	24.60	3,670

**AISI 316 STAINLESS
STEEL WIRE ROPE
COMPOSITION**
7 x 19
(160 kg/mm²)



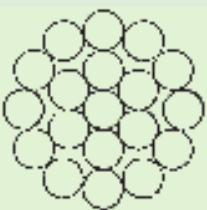
Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100719MNID03E	3	3.42	480
100719MNID04E	4	6.09	850
100719MNID05E	5	9.52	1,320
100719MNID06E	6	13.80	1,900
100719MNID08E	8	24.3	3,390
100719MNID09E	9	30.8	4,300
100719MNID10E	10	38.1	5,300
100719MNID12E	12	54.8	7,650
100719MNID13E	13	64.3	8,970
100719MNID14E	14	74.6	10,400
100719MNID16E	16	97.4	12,800
100719MNID18E	18	123	16,080

**AISI 316 STAINLESS
STEEL STRAND
COMPOSITION**
1 x 7
(160 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100017MNII02E	2	2.01	370
100017MNII03E	3	4.52	785
100017MNII04E	4	8.03	1,390
100017MNII05E	5	12.6	2,180
100017MNII06E	6	18.1	3,140
100017MNII07E	7	24.6	4,270
100017MNII08E	8	32.1	5,570
100017MNII09E	9	40.7	7,050
100017MNII10E	10	50.2	8,100

**AISI 316 STAINLESS
STEEL STRAND
COMPOSITION**
1 x 19
(160 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100119MNII02E	2	1.98	336
100119MNII03E	3	4.46	756
100119MNII04E	4	7.93	1,340
100119MNII05E	5	12.4	2,100
100119MNII06E	6	17.8	3,030
100119MNII07E	7	24.3	4,120
100119MNII08E	8	31.7	5,380
100119MNII09E	9	40.1	6,810
100119MNII10E	10	49.5	8,400
100119MNII11E	11	59.9	10,200
100119MNII12E	12	71.3	12,100
100119MNII13E	13	83.7	14,000
100119MNII14E	14	97.1	16,500
100119MNII16E	16	127.0	21,500

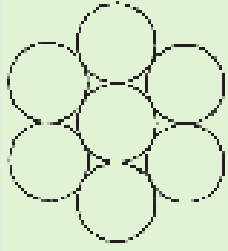


STRAND

1 x 7 + 0

Galvanised

(160 kg/mm²)



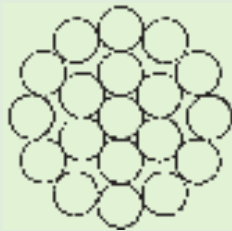
Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100017MNGD04E	4	0.0813	1,390
100017MNGD05E	5	0.1260	2,180
100017MNGD06E	6	0.1810	3,140
100017MNGD07E	7	0.2460	4,270
100017MNGD08E	8	0.3210	5,570
100017MNGD09E	9	0.4070	7,050
100017MNGD10E	10	0.5020	8,710

STRAND

1 x 19 + 0

Galvanised

(160 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
10019MNGI04E	4	0.0793	1,340
10019MNGI05E	5	0.1240	2,100
10019MNGI06E	6	0.1780	3,030
10019MNGI07E	7	0.2430	4,120
10019MNGI08E	8	0.3170	5,380
10019MNGI09E	9	0.4010	6,810
10019MNGI10E	10	0.4950	8,400
10019MNGI11E	11	0.5990	10,200
10019MNGI12E	12	0.7130	12,100
10019MNGI13E	13	0.8370	14,200
10019MNGI14E	14	0.9710	16,500
10019MNGI15E	15	1.1100	18,900
10019MNGI16E	16	1.2700	21,500

- Other constructions are available, according to the application or machinery.
- Normal and reinforced galvanising and double galvanising.

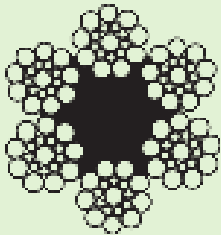
STEEL WIRE ROPES FOR ELEVATORS





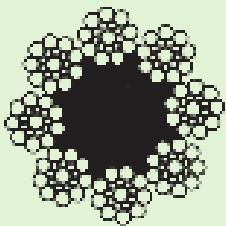
INTRODUCTION

All the steel wire ropes offered by Bezabala are supplied according to the UNE-EN 12385-5 standard (which specifies the properties of steel wire ropes used as suspension elements for lifts and good lifts moving in vertical or sloping guides at an angle no greater than 15° from the vertical).



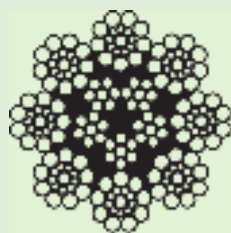
6 x 19 S Dual+FC
(140/180 kg/mm²)

Right torsion code	Left torsion code	Nominal diameter Tl mm	Approximate weight (kg/m)	Breaking load (kg)
1006191SND08D	1006191SNI08D	8	0.23	3,231
1006191SND09D	1006191SNI09D	9	0.29	4,087
1006191SND10D	1006191SNI10D	10	0.36	5,045
1006191SND11D	1006191SNI11D	11	0.43	6,106
1006191SND12D	1006191SNI12D	12	0.52	7,268
1006191SND13D	1006191SNI13D	13	0.61	8,532
1006191SND14D	1006191SNI14D	14	0.70	9,887
1006191SND16D	1006191SNI16D	16	0.81	12,945



8 x 19 S Dual+FC
(140/180 kg/mm²)

Right torsion code	Left torsion code	Nominal diameter Tl mm	Approximate weight (kg/m)	Breaking load (kg)
1008191SND08D	1008191SNI08D	8	0.22	2,864
1008191SND09D	1008191SNI09D	9	0.28	3,629
1008191SND10D	1008191SNI10D	10	0.34	4,485
1008191SND11D	1008191SNI11D	11	0.41	5,423
1008191SND12D	1008191SNI12D	12	0.49	6,453
1008191SND13D	1008191SNI13D	13	0.58	7,573
1008191SND14D	1008191SNI14D	14	0.67	8,777
1008191SND16D	1008191SNI16D	16	0.87	11,519

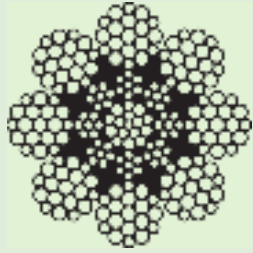


8 x 19 S (5x7+1)
Mixed core
(140/180 kg/mm²)

Right torsion code	Left torsion code	Nominal diameter Tl mm	Approximate weight (kg/m)	Breaking load (kg)
10081901SD08D	10081901SI08D	8	0.26	3,720
10081901SD09D	10081901SI09D	9	0.33	4,995
10081901SD10D	10081901SI10D	10	0.41	6,014
10081901SD11D	10081901SI11D	11	0.49	7,339
10081901SD12D	10081901SI12D	12	0.59	8,460
10081901SD13D	10081901SI13D	13	0.69	9,888
10081901SD16D	10081901SI16D	16	1.04	15,086



240 mm PULLEY STEEL WIRE ROPE

New

8 x 19 W + IWRC
Metal core
(180 kg/mm²)

Right torsion code	Left torsion code	Nominal diameter T1 mm	Approximate weight (kg/m)	Breaking load (kg)
100819MND65B	100819MNI65B	6.5	0.15	3,211

ADVANTAGES

- Greater flexibility
- Greater fatigue resistance
- Minimum stretching
- Minimum diameter loss
- Greater support surface on pulleys
- Greater comfort

RECOMMENDATIONS

- Elevator steel wire ropes are supplied pre-shaped with shiny grey or galvanised finish.
- SL (19), WA (19) or FI (25) type cables of six or eight strands with textile core are recommended, depending on the application.
- For steel wire ropes with the same diameter and the same strand type, the wires in the steel wire ropes with six strands have a larger diameter than those in cables with eight strands; for this reason, steel wire ropes with six strands have greater resistance against jamming.

However, they are less flexible and therefore require large diameter pulleys and drums and are not suitable for use in high speed lifts or where reverse folding is required.

- If jamming is less, steel wire ropes with eight strands can be used since they are more resistant to fatigue from flexing.
- Steel wire ropes with eight strands have a larger contact area with the pulleys than steel wire ropes with six strands.
- When one lift steel wire ropes is changed, the complete set must be changed at the same time. If new steel wire ropes are installed, they must not be mixed with used ones since the stretching will be different, giving rise to a different load distribution on the steel wire ropes.

HOW TO ORDER

When consulting or ordering a steel wire ropes, it must be defined exactly, giving the following information:

- Steel wire ropes construction, core type and steel wire ropes quality
- Diameter
- Direction and type of torsion
- Lubrication
- Minimum breaking load
- Packaging
- Use of steel wire ropes (traction, regulator, compensation)
- Manufacturing standards

SPECIAL STEEL WIRE ROPES





Construction strength			180 Kg/ mm ²	200 Kg/ mm ²	
Diameter (mm)	Approx. weight (kg/m)	Code	Minimum breaking load (kg)	Minimum breaking load (kg)	Code
10	0.46	10QS816VGD10A	8,257	9,143	10QS816VGD10B
11	0.55	10QS816VGD11A	9,888	10,949	10QS816VGD11B
12	0.69	10QS816VGD12A	11,927	13,207	10QS816VGD12B
13	0.81	10QS816VGD13A	14,373	15,916	10QS816VGD13B
14	0.93	10QS816VGD14A	16,514	18,286	10QS816VGD14B
15	1.06	10QS816VGD15A	18,858	20,883	10QS816VGD15B
16	1.20	10QS816VGD16A	21,407	23,705	10QS816VGD16B
17	1.35	10QS816VGD17A	23,955	26,527	10QS816VGD17B
18	1.55	10QS816VGD18A	26,809	29,687	10QS816VGD18B
19	1.71	10QS816VGD19A	30,785	34,090	10QS816VGD19B
20	1.89	10QS816VGD20A	33,639	37,250	10QS816VGD20B
21	2.15	10QS816VGD21A	38,124	42,217	10QS816VGD21B
22	2.34	10QS816VGD22A	41,590	46,055	10QS816VGD22B
23	2.54	10QS816VGD23A	45,362	50,231	10QS816VGD23B
24	2.75	10QS816VGD24A	47,604	52,715	10QS816VGD24B
25	2.97	10QS816VGD25A	52,803	58,471	10QS816VGD25B
26	3.19	10QS816VGD26A	56,575	62,648	10QS816VGD26B
27	3.51	10QS816VGD27A	60,652	67,163	10QS816VGD27B
28	3.77	10QS816VGD28A	66,871	74,049	10QS816VGD28B
29	3.98	10QS816VGD29A	70,744	78,338	10QS816VGD29B
30	4.37	10QS816VGD30A	77,880	86,240	10QS816VGD30B
31	4.62	10QS816VGD31A	79,307	87,820	10QS816VGD31B

SPECIAL STEEL WIRE ROPE QS816 V

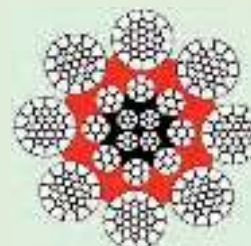
8 strands
Plastic impregnation
Compacted



Construction strength			200 Kg/ mm ²
Diameter (mm)	Approx. weight (kg/m)	Code	Minimum breaking load (kg)
32	4.70	10QS816VGD32B	87,155
36	6.08	10QS816VGD36B	108,868
44	8.95	10QS816VGD44B	164,016
48	10.47	10QS816VGD48B	191,437

SPECIAL STEEL WIRE ROPE HYFIL R8

8 Strands
Plastic in-filled



Consult our technical department for larger diameters and higher strengths.

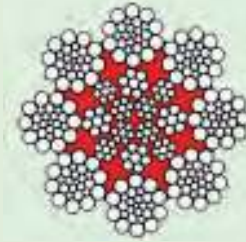


Construction strength		Code	200 Kg/ mm ²	
Diameter (mm)	Approx. weight (kg/m)		Minimum breaking load (kg)	
12	0.59	100831MNPD12B	11,000	
14	0.80	100831MNPD14B	15,000	
16	1.04	100831MNPD16B	19,500	
18	1.32	100831MNPD18B	24,700	
19	1.47	100831MNPD19B	27,500	
20	1.67	100831MNPD20B	30,500	
22	2.02	100831MNPD22B	36,900	
24	2.40	100831MNPD24B	44,000	
25	2.61	100831MNPD25B	47,700	
26	2.82	100831MNPD26B	51,600	
28	3.27	100831MNPD28B	59,800	
30	3.75	100831MNPD30B	68,700	
32	4.27	100831MNPD32B	78,200	
34	4.82	100831MNPD34B	85,500	
35	5.11	100831MNPD35B	90,700	
36	5.40	100831MNPD36B	95,900	
38	6.02	100831MNPD38B	106,900	
42	7.35	100831MNPD42B	130,600	
48	9.60	100831MNPD48B	170,600	

SPECIAL STEEL WIRE ROPE

HYFIL R8

8 strands
Plastic in-filled



Construction strength			200 Kg/ mm ²	220 Kg/ mm ²	
Diameter (mm)	Approx. weight (kg/m)	Code	Minimum breaking load (kg)	Minimum breaking load (kg)	Code
12	0.66	100831MCPD12B	12,900	13,800	100831MCPD12C
14	0.89	100831MCPD14B	17,600	18,800	100831MCPD14C
16	1.17	100831MCPD16B	22,900	24,500	100831MCPD16C
18	1.49	100831MCPD18B	29,000	31,100	100831MCPD18C
19	1.66	100831MCPD19B	32,300	34,600	100831MCPD19C
20	1.83	100831MCPD20B	35,800	38,300	100831MCPD20C
22	2.22	100831MCPD22B	43,400	46,400	100831MCPD22C
24	2.64	100831MCPD24B	51,600	55,200	100831MCPD24C
25	2.87	100831MCPD25B	55,900	59,900	100831MCPD25C
26	3.10	100831MCPD26B	60,500	64,700	100831MCPD26C
28	3.59	100831MCPD28B	70,200	75,100	100831MCPD28C
30	4.13	100831MCPD30B	80,600	86,200	100831MCPD30C
32	4.70	100831MCPD32B	91,700	98,100	100831MCPD32C
34	5.30	100831MCPD34B	103,500	110,700	100831MCPD34C
35	5.62	100831MCPD35B	109,700	117,300	100831MCPD35C
36	5.94	100831MCPD36B	116,000	124,100	100831MCPD36C
38	6.50	100831MCPD38B	129,300	138,300	100831MCPD38C
40	7.34	100831MCPD40B	143,200	153,200	100831MCPD40C
42	8.09	100831MCPD42B	157,900	168,900	100831MCPD42C
44	8.88	100831MCPD44B	173,300	185,400	100831MCPD44C
48	10.56	100831MCPD48B	206,200	220,700	100831MCPD48C

SPECIAL STEEL WIRE ROPE

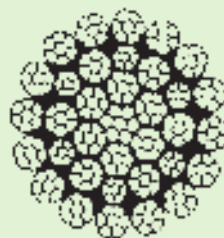
HYFIL C8

8 strands
Plastic in-filled
Compacted





Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100357MCNL10C	10	0.515	10,000
100357MCNL12C	12	0.742	14,300
100357MCNL13C	13	0.870	16,800
100357MCNL14C	14	1.01	19,400
100357MCNL15C	15	1.16	21,300
100357MCNL16C	16	1.27	25,400
100357MCNL17C	17	1.44	28,600
100357MCNL18C	18	1.61	32,200
100357MCNL19C	19	1.79	35,800
100357MCNL20C	20	1.97	39,700
100357MCNL21C	21	2.17	43,700
100357MCNL22C	22	2.38	48,100
100357MCNL24C	24	2.82	57,200
100357MCNL25C	25	3.10	62,100
100357MCNL26C	26	3.39	67,100
100357MCNL28C	28	3.81	77,900
100357MCNL30C	30	4.41	89,400
100357MCNL32C	32	5.00	101,800
100357MCNL34C	34	5.64	114,400
100357MCNL36C	36	6.33	128,700

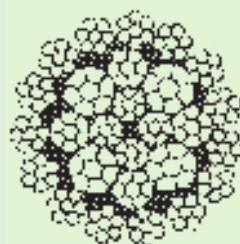


NON-ROTATING STEEL WIRE ROPE

35 x 7 Warrington
Compacted
(220 kg/mm²)



Code	Ø (mm)	Approx. weight (kg/m)	Minimum breaking load (kg)
100TK123CY07B	7	0.23	3,771
100TK123CY08B	8	0.31	4,994
100TK123CY09B	9	0.37	6,218
100TK123CY10B	10	0.45	7,747
100TK123CY11B	11	0.54	9,276
100TK123CY12B	12	0.64	11,213
100TK123CY13B	13	0.81	13,354
100TK123CY14B	14	0.91	15,392
100TK123CY15B	15	1.07	17,941
100TK123CY16B	16	1.16	19,367
100TK123CY17B	17	1.36	23,038
100TK123CY18B	18	1.46	24,872
100TK123CY19B	19	1.72	28,644
100TK123CY20B	20	1.88	30,784



CABLE ESPECIAL TK 12 (200 kg/mm²)

Non-rotating
Compacted internal
strands

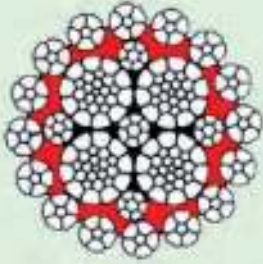




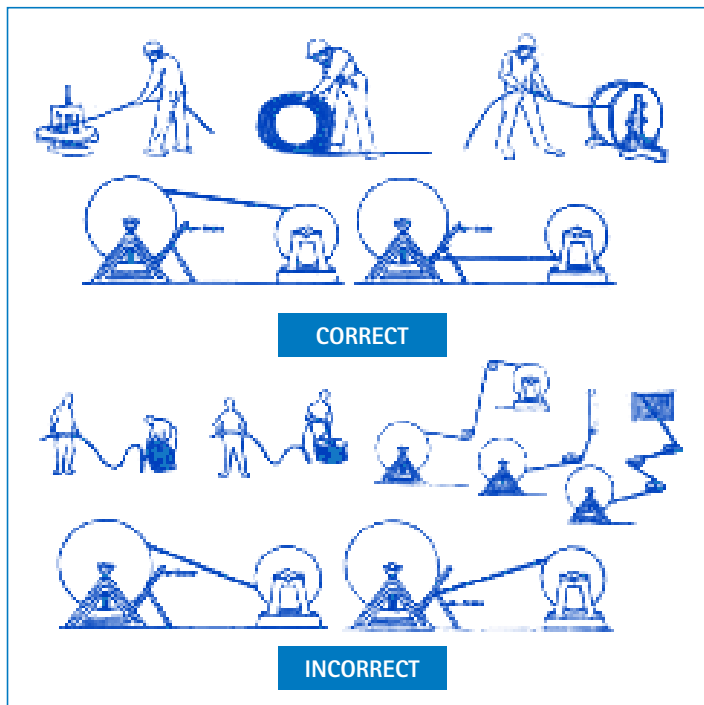
SPECIAL STEEL WIRE ROPE

TK 16

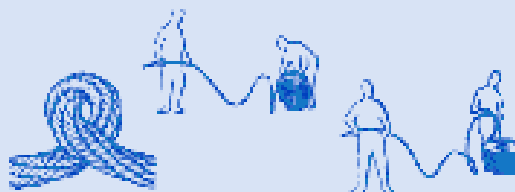
Non-rotating
Plastic in-filled
Compacted



Diameter (mm)	Construction strength		200 Kg/ mm ²	220 Kg/ mm ²	Code
	Approx. weight (kg/m)	Code	Minimum breaking load (kg)	Minimum breaking load (kg)	
12	0.74	100TK16EV012B	13,570	14,067	100TK16EV012C
13	0.87	100TK16EV013B	15,900	17,340	100TK16EV013C
14	1.02	100TK16EV014B	18,460	20,100	100TK16EV014C
15	1.17	100TK16EV015B	21,930	23,570	100TK16EV015C
16	1.34	100TK16EV016B	24,890	26,830	100TK16EV016C
17	1.50	100TK16EV017B	27,240	29,590	100TK16EV017C
18	1.68	100TK16EV018B	31,520	33,970	100TK16EV018C
19	1.86	100TK16EV019B	34,080	36,930	100TK16EV019C
20	2.07	100TK16EV020B	38,160	40,910	100TK16EV020C
21	2.25	100TK16EV021B	42,140	45,300	100TK16EV021C
22	2.50	100TK16EV022B	46,120	49,690	100TK16EV022C
23	2.75	100TK16EV023B	50,300	54,380	100TK16EV023C
24	2.97	100TK16EV024B	54,590	59,180	100TK16EV024C
25	3.25	100TK16EV025B	60,710	65,200	100TK16EV025C
25.4	3.30	100TK16EV254B	61,120	65,710	100TK16EV254C
26	3.50	100TK16EV026B	63,970	68,870	100TK16EV026C
27	3.78	100TK16EV027B	68,770	73,970	100TK16EV027C
28	4.07	100TK16EV028B	73,970	79,590	100TK16EV028C
28.57	4.09	100TK16EV285B	74,480	80,100	100TK16EV285C
29	4.27	100TK16EV029B	79,280	85,200	100TK16EV029C
30	4.57	100TK16EV030B	84,690	91,120	100TK16EV030C
32	5.20	100TK16EV032B	96,325	103,670	100TK16EV032C
34	5.88	100TK16EV034B	108,260	116,420	100TK16EV034C
36	6.59	100TK16EV036B	121,120	130,300	100TK16EV036C
38	7.34	100TK16EV038B	139,690	150,200	100TK16EV038C
40	8.13	100TK16EV040B	148,770	160,000	100TK16EV040C
42	8.97	100TK16EV042B	164,080	176,420	100TK16EV042C



WARNING:
Cable with fault
(kink) caused by
bad uncoiling.



Consult our technical department for larger diameters and higher strengths.



**STEEL WIRE ROPE
SLINGS**





CHOICE OF STEEL WIRE ROPES SLING

The suitability of a steel steel wire ropes sling must be checked to ensure that it can lift the load without breaking.

Once the weight to be lifted and the working method are known, the cable diameter can be determined from tables. When working with two, three or four legs, remember that the tables show working angles that must be respected and that are valid only for a symmetrical load. This means that the legs are arranged symmetrically when viewed in plan and form equal angles to the vertical.

CHECKS BEFORE FIRST USE

Before using for the first time, check that:

- The sling matches the order.
- The manufacturer's certificate has been received.
- The identification marking and maximum load match the information on the certificate.
- Complete details of the sling have been included in the record.
- The real use of the sling is as planned.

RECOMMENDATIONS FOR THE USE OF STEEL WIRE ROPES SLINGS

- Check that the sling to be used has sufficient capacity for the work required.
- Examine the sling visually to check for any fault before each lifting.
- Ensure that the load is not anchored.
- Avoid sharp edges. Protect the sling and the load to be lifted.
- Do not use steel wire ropes slings with bolts of a diameter less than twice the steel wire ropes diameter.
- Minimise dynamic forces (start and stop the lifting operation slowly).
- The hooks at the end of the slings cannot lift a load supported on their tips.
- The legs must not show signs of twisting or knots.
- On a sling with several legs, the hooks at the ends must face outwards.
- The cable must not be coiled around the crane hook.
- When using a sliding system, the load must be reduced to 80%.
- Lifting with baskets must not be used when the slings could slip or when the load is not united.
- Slings must not be bent near to splices or pressure clamps.
- To provide a gap between the sling's eye without thimble and the hook or bolt, their diameters must be less than 1/3 of the length of the eye.
- When working in hot conditions, the temperature must be $-40^{\circ} < x < 100^{\circ}$. For temperatures below -40°C and above 100°C , consult our technical department.
- Do not use the slings in acid conditions nor in conditions that may expose the slings to chemical, abrasive, etc, attacks.
- Do not use the slings in dangerous conditions (activities at sea, lifting persons, dangerous loads such as molten metals, corrosive or fissile materials). In these cases, the danger level and maximum load must be suitably assessed by a qualified person.

RECOMMENDATIONS FOR TAKING A STEEL WIRE ROPES SLING OUT OF SERVICE

The sling must be inspected for obvious signs of damage before it is used each time.

If there are reasons to doubt its safety condition, it must be taken out of service.

If any of the following defects are seen before each use, the sling must be taken out of service and examined fully:

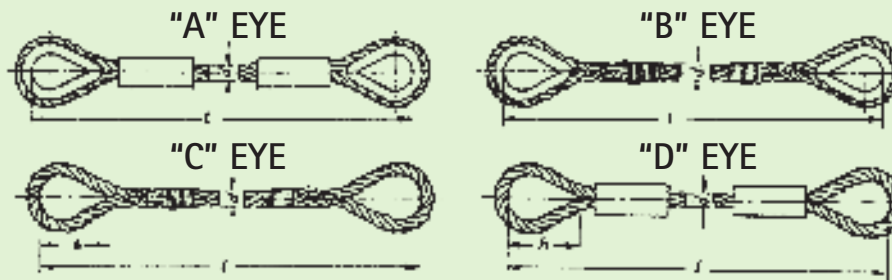
- Illegible marking (the maximum load or the sling's identification information cannot be read).
- Wear, bending and/or cracks in the accessories at the top and bottom ends and/or in the bushes.
- Pay special attention to increased opening, bending or cracks in the hook, bending or wear in the master links and opening of the thimbles, all of which are signs that the sling has been overloaded.
- Damaging the steel wire ropes ends, wear, bending or cracks in the bushes or unravelling.
- Concentrations of broken wires that could injured a user's hand and weaken the steel wire ropes.
 - Randomly broken wires:
 - Six external wires broken randomly for a length of six times the steel wire ropes diameter.
 - 14 external wires broken randomly for a length of 30 times the steel wire ropes diameter.
 - Randomly broken wires:
 - Three adjacent external wires on the same strand.



- Important deformations of the steel wire ropes such as kinks, crushing, birdcage, core protruding from the strands, a broken strand or any other damage that could alter the cable's structure.
- Serious wear of the steel wire ropes, 10% of its nominal diameter.
- Rust showing as pitting in the strands, roughness to the touch or lack of flexibility in the steel wire ropes due to internal rusting.
- Heat damage, identified by discoloured strands, lack of lubrication or splashes caused by electric arcs.

A thorough inspection must be carried out at least every 12 months and its frequency reduced according to working conditions.

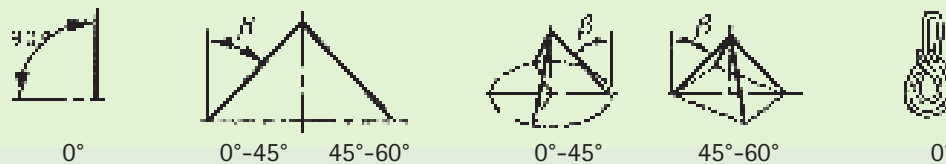
Records must be kept of these inspections.



WORKING LOADS FOR SLINGS WITH MIXED 1770 GRADE TEXTILE CORE AND BUSHED EYE. Manufactured according to EN 13414-1

Safety factor 5:1

Maximum loads in tonnes for slings of steel wire ropes with textile core



Diameter (mm)	1 leg	2 legs		3-4 legs		Endless sling
8	0.70	0.95	0.70	1.50	1.05	1.10
9	0.85	1.20	0.85	1.80	1.30	1.40
10	1.05	1.50	1.05	2.25	1.60	1.70
11	1.30	1.80	1.30	2.70	1.95	2.12
12	1.55	2.12	1.55	3.30	2.30	2.50
13	1.80	2.50	1.80	3.85	2.70	2.90
14	2.12	3.00	2.12	4.35	3.15	3.30
16	2.70	3.85	2.70	5.65	4.20	4.35
18	3.40	4.80	3.40	7.20	5.20	5.65
20	4.35	6.00	4.35	9.00	6.50	6.90
22	5.20	7.20	5.20	11.00	7.80	8.40
24	6.30	8.80	6.30	13.50	9.40	10.00
26	7.20	10.00	7.20	15.00	11.00	11.80
28	8.40	11.80	8.40	18.00	12.50	13.50
32	11.00	15.00	11.00	23.50	16.50	18.00
36	14.00	19.00	14.00	29.00	21.00	22.50
40	17.00	23.50	17.00	36.00	26.00	28.00
44	21.00	29.00	21.00	44.00	31.50	33.50
48	25.00	35.00	25.00	52.00	37.00	40.00
52	29.00	40.00	29.00	62.00	44.00	47.00
56	33.50	47.00	33.50	71.00	50.00	54.00
60	39.00	54.00	39.00	81.00	58.00	63.00

Note: the maximum working loads (WLL) are based on the theory that the flexible eyes used on slings with one leg used at the support points and have diameters greater than twice the nominal diameter of the steel wire ropes diameter. Loads for 2, 3 and 4 legs assume that the layout is symmetrical.

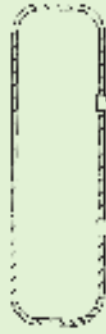
In the case of an asymmetrical load, the weight must be limited to half the maximum load marked.

Do not use cable slings with bolts of diameters less than twice the steel wire ropes diameter.

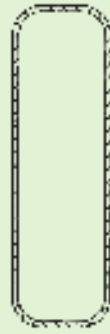
Consult our technical department for larger diameters and higher strengths.



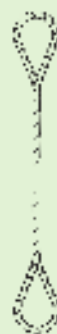
MOST COMMON TYPES OF SLINGS



1



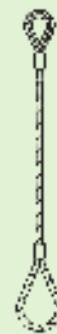
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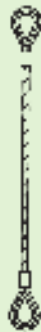
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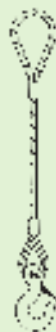
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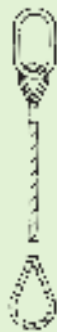
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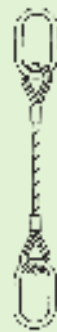
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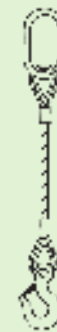
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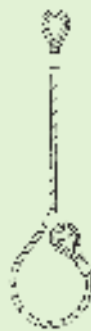
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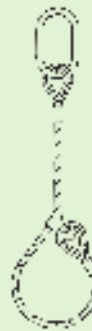
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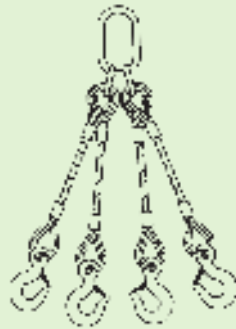
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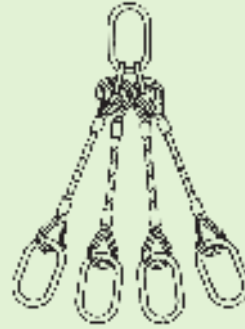
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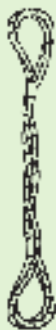
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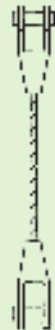
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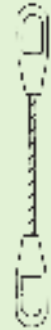
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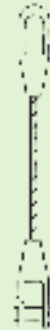
22



23



24



25



FOR LARGE LOADS

SUPER-SLINGS

SOLUTIONS

- LIGHTER SLINGS
- GREATER CAPACITY = SMALLER DIAMETER
- STEEL FERRULES

Maximum working load (tonnes)	Wire rope diameter	Minimum sling length
30	44	2.5 m
35	48	2.5 m
40	52	2.5 m
50	58	3 m
70	64	3 m
75	67	3 m
95	77	3 m
135	93	3 m

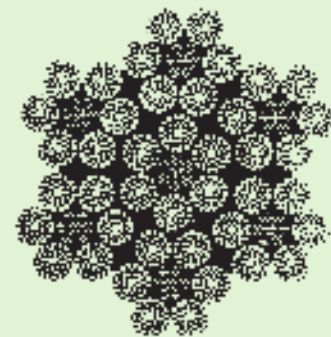
- TEST BENCH UP TO 1300 TONNES
- POSSIBILITY OF MANUFACTURING A SET OF SLINGS





Grommet \varnothing (mm)	Cable (mm) \varnothing	Working load Kg (SF:6)	Weight (Kg/m)	Minimum breaking load (kN)
30	10	15,369	3.068	763.581
33	11	18,596	3.712	911.833
36	12	22,131	4.417	1,085.156
39	13	25,973	5.184	1,273.552
42	14	30,123	6.012	1,477.018
48	16	39,344	7.853	1,929.167
54	18	49,795	9.939	2,441.602
60	20	61,475	12.270	3,014.323
66	22	78,245	14.847	3,647.331
72	24	93,262	17.669	4,340.625
78	26	112,584	20.736	5,094.206
84	28	134,417	24.049	5,908.073
90	30	158,987	27.608	6,782.227
96	32	186,553	31.411	7,716.657
102	34	217,405	35.460	8,711.394
108	36	261,871	39.755	9,766.407
114	38	290,325	44.295	10,881.707
120	40	333,196	49.080	12,057.293
126	42	380,980	54.111	13,293.165
132	44	434,237	59.367	14,589.324
138	46	493,630	64.908	15,945.770
144	48	559,925	70.675	17,362.502
150	50	634,025	76.688	18,839.520
156	52	692,619	82.945	20,378.825

LANYARDS (GROMMETS)



- Endless steel wire ropes slings – EN-13414-3
- Construction: 7x6x36 WS – CN
- Strength: 1960 N/mm²



SLEEVES FOR GROUPS OF STEEL WIRE ROPE WITH SINGLE PULLING EYE



Code	For cable mm Ø	Length (mm)	Strength (kg)
1MTS006008BEZ	6 to 8	400	900
1MTS008010BEZ	8 to 10	400	1,200
1MTS010015BEZ	10 to 15	500	2,000
1MTS015020BEZ	15 to 20	750	3,200
1MTS020025BEZ	20 to 25	750	4,800
1MTS025030BEZ	25 to 30	1,000	6,400
1MTS030040BEZ	30 to 40	1,000	8,000
1MTS040050BEZ	40 to 50	1,250	9,600
1MTS050060BEZ	50 to 60	1,500	9,600
1MTS060070BEZ	60 to 70	1,500	11,200
1MTS070085BEZ	70 to 85	1,750	12,800
1MTS085100BEZ	85 to 100	1,750	12,800
1MTS100125BEZ	100 to 125	2,000	14,900
1MTS125150BEZ	125 to 150	2,000	14,900

SLEEVES FOR GROUPS OF STEEL WIRE ROPE WITH DOUBLE PULLING EYE



Code	For cable mm Ø	Length (mm)	Strength (kg)
1MTD006008BEZ	6 to 8	400	900
1MTD008010BEZ	8 to 10	400	1,200
1MTD010015BEZ	10 to 15	500	2,000
1MTD015020BEZ	15 to 20	750	3,200
1MTD020025BEZ	20 to 25	750	4,800
1MTD025030BEZ	25 to 30	1,000	6,400
1MTD030040BEZ	30 to 40	1,000	8,000
1MTD040050BEZ	40 to 50	1,250	9,600
1MTD050060BEZ	50 to 60	1,500	9,600
1MTD060070BEZ	60 to 70	1,500	11,200
1MTD070085BEZ	70 to 85	1,750	12,800
1MTD085100BEZ	85 to 100	1,750	12,800
1MTD100125BEZ	100 to 125	2,000	14,900
1MTD125150BEZ	125 to 150	2,000	14,900

SPLICING SLEEVES



Code	For cable mm Ø	Length (mm)	Strength (kg)
1MTE006008BEZ	6 to 8	400	900
1MTE008010BEZ	8 to 10	400	1,200
1MTE010015BEZ	10 to 15	500	2,000
1MTE015020BEZ	15 to 20	750	3,200
1MTE020025BEZ	20 to 25	750	4,800
1MTE025030BEZ	25 to 30	1,000	6,400
1MTE030040BEZ	30 to 40	1,000	8,000
1MTE040050BEZ	40 to 50	1,250	9,600
1MTE050060BEZ	50 to 60	1,500	9,600
1MTE060070BEZ	60 to 70	1,500	11,200
1MTE070085BEZ	70 to 85	1,750	12,800
1MTE085100BEZ	85 to 100	1,750	12,800
1MTE100125BEZ	100 to 125	2,000	14,900
1MTE125150BEZ	125 to 150	2,000	14,900

GRADE 80 CHAINS





RECOMMENDATIONS FOR MAXIMUM LOADS, USE AND MAINTENANCE OF GRADE 80 CHAIN SLINGS

MAXIMUM WORKING LOAD

Safety factor

A safety factor of 4 has been used to calculate the maximum working loads shown in the tables.

Symmetric load

It is assumed that in chain slings with three and four legs, the load is supported by at most three legs if the following is complied with:

- The load's centre of gravity is centred on the geometry of the sling.
- All the legs must slope at the same angle (if necessary, shortening hooks should be installed).
- For a sling with three legs, they must be fixed so that they form an angle of 120° between each other.

Asymmetric load

When working with a load with hooks placed asymmetrically, the working load limit must be reduced to 50% of the working load limit in normal conditions.

Load fixed by hanging or with basket slings

In these cases, the working load must be reduced to 80% of the nominal value.

Temperature resistance

The values given in the following table must be taken into account when using grade 80 chain slings in very high temperatures.

Chain temperature	New working load limit values as a relative percentage of the values in the working loads limit tables for normal conditions
-40°C to + 200°C	100%
+200°C to +300°C	90%
+300°C to 400°C	75%

Grade 80 chains and accessories must not be used at temperatures higher than those in the table.

Both WHS type SIKA rotating hooks and KLW type rotating shackles must not be used at temperatures higher than 125°C since the rotating mechanism may be damaged.



USE

- Do not lift with a twisted chain.
- Shorten the chains with shortening hooks only. Knots must be avoided.
- When handling loads with sharp edges or cutting points, protect the chains with filling or suitable padding.
- Hooks must not grip the load at its ends but always by the inside.
- Hooks not being used during lifting must be fixed to the main ring.
- Ensure that the ring can move freely in the crane's hook.
- Replace damaged accessories as soon as they are noticed.
- Do not overload chains. Ensure that the angle is respected and, in case of doubt, always use a larger chain.

MAINTENANCE

Chain slings must be inspected at least once a year by an expert sling inspector. At least every three years they must be tested with a test load (MPI) followed by a check to ensure there are no deformations or breakages. Suministros Bezabala SA carries out inspections and load tests on its test benches, approved by all classification organisations (see inspections chapter).

The reduction in the chain's thickness must not exceed 10% of the nominal diameter.



Damaged hooks must be replaced.



Stretching must not exceed 5% at any point.



Chains with visibly damaged links must be retired.



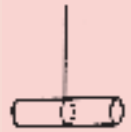
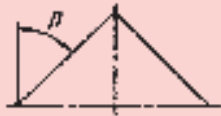
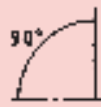
For further information, visit our Web site at www.bezabala.com or consult our **Technical Department**



MAXIMUM USE LOAD (TONNES)

SAFETY FACTOR 1:4

Grade 80 chain slings as per EN 818-4.



Sling dimension (mm)	Sling with single leg	Slings with two legs		Slings with three or four legs		Endless slings with sliding knot	Hanging
		$0^\circ < \beta \leq 45^\circ$ Factor 1.4	$45^\circ < \beta \leq 60^\circ$ Factor 1.0	$0^\circ < \beta \leq 45^\circ$ Factor 2.1	$45^\circ < \beta \leq 60^\circ$ Factor 1.5		
4	0.50	0.71	0.50	1.06	0.75	0.80	0.40
5	0.80	1.12	0.80	1.60	1.18	1.25	0.64
6	1.12	1.60	1.12	2.36	1.70	1.80	0.90
7	1.50	2.12	1.50	3.15	2.24	2.50	1.25
8	2.00	2.80	2.00	4.25	3.00	3.15	1.60
10	3.15	4.25	3.15	6.70	4.75	5.00	2.50
13	5.30	7.50	5.30	11.20	8.00	8.50	4.25
16	8.00	11.20	8.00	17.00	11.80	12.50	6.30
18	10.00	14.00	10.00	21.20	15.00	16.00	8.00
19	11.20	16.00	11.20	23.60	17.00	18.00	9.00
20	12.50	17.00	12.50	26.50	19.00	20.00	10.00
22	15.00	21.20	15.00	31.50	22.40	23.60	11.80
23	16.00	23.60	16.00	35.50	25.00	26.50	12.80
25	20.00	28.00	20.00	40.00	30.00	31.50	16.00
26	21.20	30.00	21.20	45.00	31.50	33.50	17.00
28	25.00	33.50	25.00	50.00	37.50	40.00	20.00
32	31.50	45.00	31.50	67.00	47.50	50.00	25.20
36	40.00	56.00	40.00	85.00	60.00	63.00	32.00
40	50.00	71.00	50.00	106.00	75.00	80.00	40.00
45	63.00	90.00	63.00	132.00	95.00	100.00	50.40

Note: these values are based on the assumption that the load being lifted is symmetrical (this means that when the load is lifted, the chains sling legs are arranged symmetrically in the same plane and form equal angles with the vertical).

With an asymmetric load, the weight must be limited to half the marked maximum load.

For further information,
visit our Web site at
www.bezabala.com
or consult our
Technical Department



Code	Chain thickness	Working load limit kg	t mm	b ¹ ≈mm	Weight kg/m
4CAG080D06BEZ	6-8	1,120	18	8.0	0.8
4CAG080D07BEZ	7-8	1,500	21	10.5	1.1
4CAG080D08BEZ	8-8	2,000	24	10.8	1.5
4CAG080D10BEZ	10-8	3,150	30	13.5	2.3
4CAG080D13BEZ	13-8	5,300	39	17.5	3.8
4CAG080D16BEZ	16-8	8,000	48	21.5	6.1
4CAG080D18BEZ	18-8	10,000	54	24.3	7.3
4CAG080D19BEZ	19-8	11,200	57	25.0	8.5
4CAG080D20BEZ	20-8	12,500	60	27.0	9.0
4CAG080D22BEZ	22-8	15,000	66	29.5	10.9
4CAG080D26BEZ	26-8	21,200	78	35.0	15.2
4CAG080D32BEZ	32-8	31,500	96	52.0	22.7

AS PER DIN STANDARD EN 818-2



Chain thickness	Working load limit kg	t mm	b ¹ ≈mm	Weight kg/m
6-8	1,120	18	8.0	0.8
7-8	1,500	21	10.5	1.2
8-8	2,000	24	10.8	1.5
10-8	3,150	30	13.5	2.3
13-8	5,300	39	17.5	3.8

AS PER DIN STANDARD EN 818-2. WITH SP100 RUST PROTECTION.

Chain thickness	Working load limit kg	t mm	b ¹ ≈mm	Weight kg/m
16-8	8,000	48	21.5	6.1
18-8	10,000	54	24.3	7.3
19-8	11,200	57	25.0	8.5
20-8	12,500	60	27.0	9.0
22-8	15,000	66	29.5	10.9

AS PER DIN STANDARD EN 818-2. WITH K90 RUST PROTECTION.

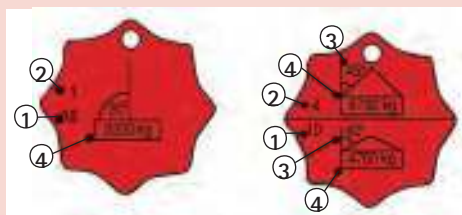
Ø steel wire rope (mm)	Length (mm)
4	250

STEEL WIRE ROPE WITH ALUMINIUM BUSH FOR IDENTIFICATION PLATE.



The technical date shown on the plate help the user to use the chains sling correctly.

1. Chain thickness.
2. Number of legs.
3. Inclination angle.
4. Working load limit.



IDENTIFICATION PLATE



GRADE 80 SINGLE RING WITHOUT FLAT PART

- For chain slings with one and two legs EN 818-4.
- For cable slings with one and two legs EN 13414-1.



Code	Maximum load limit kg	Nominal size	DIN 5688		DIN 3088		d mm	l mm	w mm	Weight kg/piece
			1 leg nominal size	2 legs nominal size	1 leg nominal size	2 legs nominal size				
5SRA13XXXBEZ	1,600	A 13	6/7-8	6-8	-	-	13	110	60	0.3
5SRA16XXXBEZ	2,120	A 16	8-8	7-8	8/10/12/14	8/10/12	16	110	60	0.5
5SRA18XXXBEZ	3,150	A 18	10-8	8-8	16/18	14/16	18	135	75	0.8
5SRA22XXXBEZ	5,300	A 22	13-8	10-8	20/22/24	18/20	22	160	90	1.6
5SRA26XXXBEZ	8,000	A 26	16-8	13-8	26/28	22	26	180	100	2.3
5SRA32XXXBEZ	11,200	A 32	18-8	16-8	32	24	32	200	110	3.9
5SRA36XXXBEZ	14,000	A 36	19/20-8	18-8	36/40	26	36	260	140	6.4
5SRA40XXXBEZ	17,000	A 40	22-8	19/20-8	-	28/32	40	300	160	8.9
5SRA45XXXBEZ	21,200	A 45	26-8	22-8	48/52	34/40	45	340	180	12.8
5SRA50XXXBEZ	31,500	A 50	32-8	26-8	56	-	51	350	190	16.2
5SRA58XXXBEZ	55,400	A 58	36-8	32-8	-	-	58	400	200	28.0

TRIPLE GRADE 80 CHAIN RING WITHOUT FLAT PART

For chain slings with 3 and 4 legs EN 818-4.

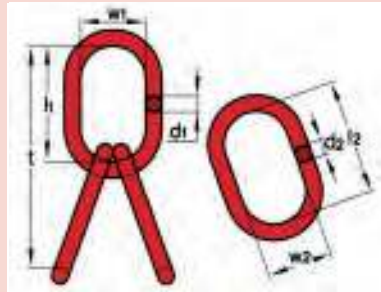


Code	Maximum load limit kg	Nominal size	d1 mm	l1 mm	w1 mm	d2 mm	l2 mm	w2 mm	t mm	Weight kg/piece
5TRD181367BEZ	2,360	6/7-8	18	135	75	13	54	25	189	1.2
5TRD221608BEZ	4,250	8-8	22	160	90	16	70	34	230	2.3
5TRD261810BEZ	6,700	10-8	26	180	100	18	85	40	265	3.4
5TRD322213BEZ	11,200	13-8	32	200	110	22	115	50	315	6.1
5TRD362616BEZ	17,000	16-8	36	260	140	26	140	65	400	9.9
5TRD453218BEZ	21,200	18-8	45	340	180	32	150	70	490	18.5
5TRD513220BEZ	26,500	19/20-8	51	350	190	32	150	70	500	22.6
5TRD513622BEZ	31,500	22-8	51	350	190	36	170	75	520	24.0
5TRD582626BEZ	50,000	26-8	58	400	200	45	150	80	550	42.3
5TRD703232BEZ	74,800	32-8	70	400	230	50	180	90	580	61.0

AG MODEL RING WITH DIRECT CHAIN ACCESS



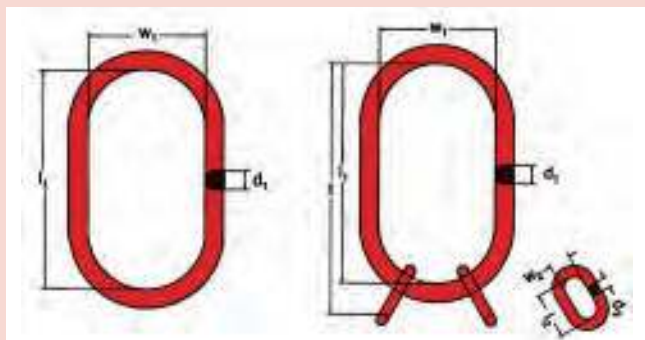
Code	Nominal size	b mm	c mm	d1 mm	d2 mm	h mm	l mm	s mm	t mm	w mm	Weight kg/piece
5SRAXX1306BEZ	6-8	6.5	32	8	13	103	160	18	133	60	0.4
5SRAXX1507BEZ	7-8	7.5	36	8.8	15	102	164	21	133	58	0.6
5SRAXX1608BEZ	8-8	9.0	40	10.0	16	105	172	21	138	60	0.7
5SRAXX1810BEZ	10-8	12.0	50	12	18	128	207	23	167	75	1.1
5SRAXX2213BEZ	13-8	15	60	16	22	150	254	35	203	90	2.2
5SRAXX2616BEZ	16-8	17	75	20	26	165	292	40	230	100	3.6



RING WITH FITTINGS FOR STEEL WIRE ROPE

For cable slings with 3 to 4 legs

Code	Nominal size	Cable Ø mm	d1 mm	d2 mm	l1 mm	l2 mm	w1 mm	w2 mm	t mm	Weight kg/piece
5TRB161610BEZ	G 17/13	8/10	16	16	110	110	60	60	220	1.5
5TRB161612BEZ	G 19/13	12	18	16	135	110	75	60	245	1.8
5TRB161816BEZ	G 22/17	14/16	22	18	160	135	90	75	295	3.2
5TRB162220BEZ	G 28/22	18/20	26	22	180	160	100	90	340	5.4
5TRB162622BEZ	G 32/26	22	32	26	200	180	110	100	380	8.3
5TRB163224BEZ	G 36/32	24	36	32	260	300	140	110	560	14.1
5TRB163626BEZ	G 36/36	26	36	36	260	260	140	140	520	19.0
5TRB164028BEZ	G 40/40	28	40	40	300	300	160	160	600	27.0



SPECIAL RING FOR N° 16 CRANE HOOKS SA MODEL

Code	Nominal size	Chain slings			d1 mm	l1 mm	w1 mm	d2 mm	l2 mm	w2 mm	t mm	Weight kg/piece
		1 leg	2 legs	3 and 4 legs								
5TRESA1606BEZ	16-22/13		8-8	6-8	22	260	140	13	54	25	314	2.8
5SRESA1610BEZ	16-22	10-8			22	260	140				260	2.2
5TRESA1608BEZ	16-26/18		10-8	8-8	26	260	140	18	85	40	345	4.3
5SRESA1613BEZ	16-26	13-8			26	260	140	20	85	40	345	6.2
5TRESA1610BEZ	16-32/20		13-8	10-8	32	260	140	20	85	40	345	6.2
5SRESA1616BEZ	16-32	16-8			32	260	140				260	4.6
5TRESA1613BEZ	16-36/22		16-8	13-8	36	260	140	22	115	50	375	8.5
5SRESA1618BEZ	16-36	18-8			36	260	140				260	6.2

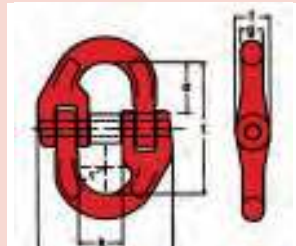
SPECIAL RING FOR N° 25 CRANE HOOKS SA MODEL

Code	Nominal size	Chain slings			d1 mm	l1 mm	w1 mm	d2 mm	l2 mm	w2 mm	t mm	Weight kg/piece
		1 leg	2 legs	3 and 4 legs								
5TRESA2500BEZ	25-26/16		8-8		26	340	180	16	70	34	410	4.6
5SRESA2510BEZ	25-24	10-8			24	340	180				340	3.7
5TRESA2508BEZ	25-26/18		10-8	8-8	26	340	180	18	85	40	425	5.1
5SRESA2513BEZ	25-26	13-8			26	340	180				340	4.0
5TRESA2510BEZ	25-32/20		13-8	10-8	32	340	180	20	85	40	340	7.5
5SRESA2516BEZ	25-32	16-8			32	340	180				340	6.2
5TRESA2513BEZ	25-40/22		16-8	13-8	40	340	180	22	115	50	455	12.1
5TRESA2516BEZ	25-40/26		18-8	16-8	40	340	180	26	140	65	480	13.5
5SRESA2522BEZ	25-40	18/20/22-8			40	340	180				340	9.9



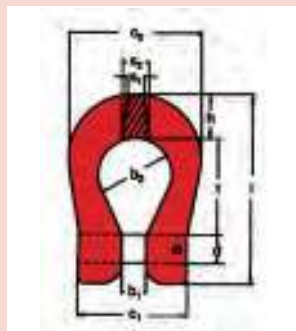
SECONDARY RING WITH FLAT PART, EG MODEL

Code	Nominal size	Working load limit (kg)	d mm	l mm	w mm	Weight kg/piece
5SRGXX1306BEZ	6-8	1,120	13	60	30	0.2
5SRGXX1607BEZ	7-8	1,500	16	70	35	0.4
5SRGXX1608BEZ	8-8	2,000	16	70	35	0.4
5SRGXX1810BEZ	10-8	3,150	20	90	45	0.7
5SRGXX2213BEZ	13-8	5,300	26	120	60	1.6
5SRGXX2616BEZ	16-8	8,000	28	130	65	1.9
5SRGXX3220BEZ	18/20-8	12,500	32	140	70	2.9



DOUBLE CHAIN CONNECTOR VG MODEL

Code	Nominal size	Working load limit (kg)	c mm	e mm	f mm	g mm	k mm	r mm	t mm	Weight kg/piece
7UXVG00006BEZ	6-8	1,120	42	18	13	7	14	8.0	48	0.1
7UXVG00078BEZ	7/8-8	2,000	54	22	14	9	20	11.0	56	0.2
7UXVG00010BEZ	10-8	3,150	68	26	18	12	26	12.5	68	0.3
7UXVG00013BEZ	13-8	5,300	79	32	23	16	27	16.0	85	0.6
7UXVG00016BEZ	16-8	8,000	97	40	26	19	33	20.0	104	1.2
7UXVG01920BEZ	19/20-8	12,500	118	46	33	22	41	23.0	122	2.1
7UXVG00022BEZ	22-8	15,000	134	55	35	26	46	28.0	140	2.9
7UXVG00026BEZ	26-8	21,200	162	58	40	30	60	31.0	148	4.5
7UXVG00032BEZ	32-8	31,500	198	68	54	37	67	36.0	174	8.4

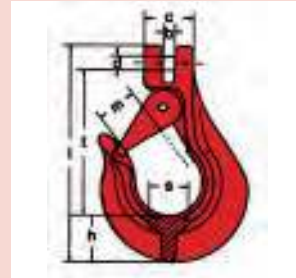


SINGLE CHAIN CONNECTOR KV MODEL

Code	Nominal size	Working load limit (kg)	b1 mm	b2 mm	c1 mm	c2 mm	d mm	h mm	l mm	s1 mm	s2 mm	t mm	Weight kg/piece
7UXKV00006BEZ	6-8	1,120	6.5	19	33	37	8.0	12	57	6	8	29	0.1
7UXKV00007BEZ	7-8	1,500	7.5	21	36	44	8.8	14	64	9	12	33	0.2
7UXKV00008BEZ	8-8	2,000	9.0	22	38	48	10.0	17	68	13	14	33	0.2
7UXKV00010BEZ	10-8	3,150	12.0	28	50	59	12.0	20	84	13	15	42	0.4
7UXKV00013BEZ	13-8	5,300	15.0	32	60	70	16.0	27	105	17	21	50	0.8
7UXKV00016BEZ	16-8	8,000	17.0	40	75	90	20.0	32	130	23	26	60	1.5
7UXKV01820BEZ	18/20-8	12,500	21.0	54	86	106	24.0	35	150	22	27	72	2.2

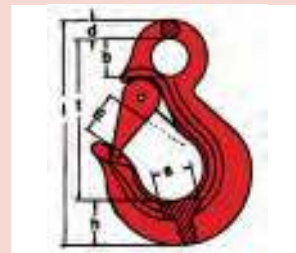


HOOK WITH DIRECT CHAIN ACCESS GHS MODEL WITH SOLID SAFETY LATCH



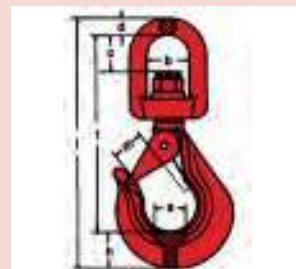
Code	Nominal size	Working load limit (kg)	b mm	c mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GGHS00006BEZ	6/7-8	1,500	7.5	35	8.0	31	143	23	21	100	0.6
7GGHS00007BEZ	7/8-8	2,000	9.0	41	10.0	36	165	29	30	116	1.0
7GGHS00010BEZ	10-8	3,150	11.0	51	12.0	44	188	34	31	126	1.5
7GGHS00013BEZ	13-8	5,300	15.0	62	16.0	51	248	45	42	175	3.5
7GGHS00016BEZ	16-8	8,000	17.0	80	20.0	58	275	60	38	185	5.2
7GGHS01820BEZ	18/20-8	12,500	21.0	83	24.0	71	312	56	45	205	7.4

EYE HOOK, OHS MODEL WITH SOLID GALVANISED SAFETY LATCH



Code	Nominal size	Working load limit (kg)	b mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GOHS00006BEZ	6/7-8	1,500	24	12	30	143	26	23	103	0.6
7GOHS00007BEZ	7-8	1,500	25	12	31	156	27	26	113	0.9
7GOHS00008BEZ	8-8	2,000	32	16	34	168	27	31	119	1.1
7GOHS00010BEZ	10-8	3,150	30	18	42	193	33	30	133	1.7
7GOHS00013BEZ	13-8	5,300	39	21	47	258	44	43	192	3.4
7GOHS00016BEZ	16-8	8,000	56	27	55	297	55	40	215	5.5
7GOHS01820BEZ	18/20-8	12,500	61	33	63	330	60	43	234	8.0
7GOHS02226BEZ	SH22/26-8	21,200	55	35	75	345	70	62	235	10.5

ROTATING HOOK, WHS MODEL



Code	Nominal size	Working load limit (kg)	b mm	c mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GWHS00006BEZ	6-8	1,120	28	21	10	27	166	19	21	128	0.6
7GWHS00007BEZ	7-8	1,500	35	30	14	29	217	28	25	171	1.2
7GWHS00008BEZ	8-8	2,000	36	32	17	32	229	28	30	180	1.4
7GWHS00010BEZ	10-8	3,150	38	30	18	42	261	33	31	201	2.5
7GWHS00013BEZ	13-8	5,300	61	58	28	48	357	44	42	288	5.5



SOB HOOK



Code	Nominal size	Working load limit (kg)	b mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GSOB00006BEZ	6-8	1,120	21	20	110	20	17	78	0.3
7GSOB00078BEZ	7/8-8	2,000	27	22	130	25	19	94	0.5
7GSOB00010BEZ	10-8	3,150	32	29	163	32	22	116	0.9
7GSOB00013BEZ	13-8	5,300	37	35	198	40	28	141	1.6
7GSOB00016BEZ	16-8	8,000	51	38	226	42	29	165	2.4
7GSOB01920BEZ	19/20-8	12,500	63	55	308	65	42	227	6.0

CWH CAST HOOK

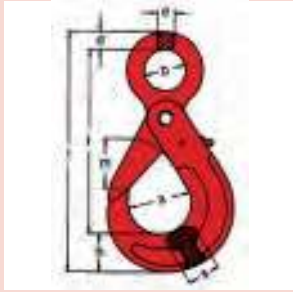


Code	Nominal size	Working load limit (kg)	b mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GCWH00006BEZ	6/7-8	1,500	18	10	26	132	49	20	96	0.5
7GCWH00078BEZ	7/8-8	2,000	25	11.5	26	160	63	21	122	0.8
7GCWH00010BEZ	10-8	3,150	32	14	37	204	76	31	153	2.0
7GCWH00013BEZ	13-8	5,300	40	18	42	241	86	37	181	3.5
7GCWH00016BEZ	16-8	8,000	35	24	50	281	100	45	207	5.5
7GCWH01920BEZ	19/20-8	12,500	40	26	67	328	112	60	235	10.0
7GCWH00022BEZ	22-8	15,000	47	30	70	365	124	65	265	13.6
7GCWH00026BEZ	26-8	21,200	54	38	80	419	134	73	305	20.0

WELDABLE HOOK

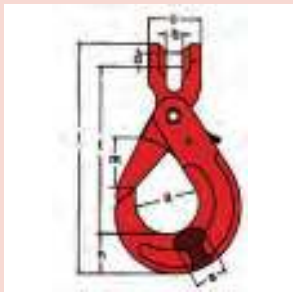


Code	Working load limit (kg)	b mm	E mm	L mm	A mm	C mm	Weight kg/piece
7GTBA02000BEZ	2,000	92	20	114	26.5	67	0.83
7GTBA03000BEZ	3,000	106	24	129	30.5	73.5	1.18
7GTBA05000BEZ	5,000	136	30	171	34.5	94	2.50
7GTBA08000BEZ	8,000	140	39	177	34.5	94	3.26
7GTBA10000BEZ	10,000	171.5	38	223	51	134.5	51.7



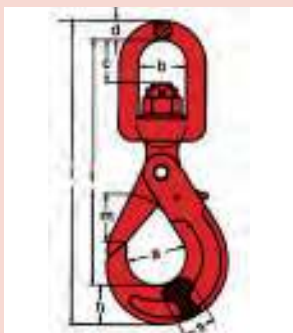
SAFETY HOOK CLS MODEL

Code	Nominal size	Working load limit (kg)	a mm	b mm	d mm	e mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GCLS00006BEZ	6-8	1,120	35	23	10	10	23	142	30	18	108	0.5
7GCLS00078BEZ	7/8-8	2,000	45	30	14	10	28	176	37	22	133	0.8
7GCLS00010BEZ	10-8	3,150	55	36	15	12	36	216	44	28	165	1.5
7GCLS00013BEZ	13-8	5,300	70	45	20	16	47	264	55	36	199	3.2
7GCLS00016BEZ	16-8	8,000	90	58	22	20	55	328	73	37	250	6.1
7GCLS01820BEZ	18/20-8	12,500	101	65	30	21	70	415	89	41	272	7.5
7GCLS00022BEZ	22-8	15,000	112	70	36	27	74	425	92	49	315	12.3



SAFETY HOOK WITH DIRECT CHAIN ACCESS CLG MODEL

Code	Nominal size	Working load limit (kg)	a mm	b mm	c mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GCLG00006BEZ	6-8	1,120	35	6.5	29	8.2	25	125	30	18	86	0.4
7GCLG00078BEZ	7/8-8	2,000	45	8.5	32	9.2	28	155	37	22	110	0.7
7GCLG00010BEZ	10-8	3,150	55	10.5	42	13.2	36	200	44	28	140	1.5
7GCLG00013BEZ	13-8	5,300	70	14.0	53	16.2	47	248	55	36	174	3.0
7GCLG00016BEZ	16-8	8,000	90	17.5	68	20.2	52	292	74	37	210	5.4
7GCLG01820BEZ	18/20-8	12,500	101	22.5	88	24.2	55	338	89	41	240	7.6
7GCLG00022BEZ	22-8	15,000	112	27.5	96	28.2	63	398	97	49	283	11.9

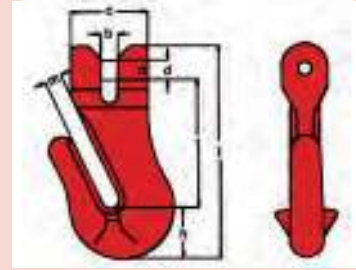


ROTATING SAFETY HOOK, CLW MODEL

Code	Nominal size	Working load limit (kg)	a mm	b mm	c mm	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
7GCLW00006BEZ	6-8	1,120	35	30	29	12.0	25	187	30	18	150	0.6
7GCLW00078BEZ	7/8-8	2,000	45	33	25	12.5	28	225	37	22	175	1.0
7GCLW00010BEZ	10-8	3,150	55	40	33	15	36	260	44	28	212	1.9
7GCLW00013BEZ	13-8	5,300	70	50	40	17	46	320	57	36	254	3.8
7GCLW00016BEZ	16-8	8,000	90	60	54	20	51	400	74	37	321	7.3
7GCLW01820BEZ	18/20-8	12,500	101	71	58	23	55	481	89	41	355	9.8

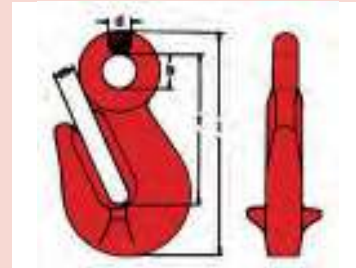


SHORTENING HOOK WITH DIRECT CHAIN ACCESS (MODEL VHG)



Code	Nominal size	Working load limit (kg)	b mm	c mm	d mm	h mm	l mm	m mm	t mm	Weight kg/piece
7GVHG00006BEZ	6-8	1,120	6.5	32	8	19	85	7	52	0.2
7GVHG00078BEZ	7/8-8	2,000	9	40	10	26	111	9	66	0.5
7GVHG00010BEZ	10-8	3,150	12	50	12	29	131	12	80	0.8
7GVHG00013BEZ	13-8	5,300	15	60	16	38	171	15	103	1.7
7GVHG00016BEZ	16-8	8,000	19	73	20	46	213	18	131	3.1

CHAIN SHORTENING HOOK WITH EYE (MODEL VHO)



Code	Nominal size	Working load limit (kg)	b mm	d mm	l mm	m mm	t mm	Weight kg/piece
7GVHO00006BEZ	6-8	1,120	15	10	86	7.5	57	0.2
7GVHO00078BEZ	7/8-8	2,000	18	12	102	9	63	0.4
7GVHO00010BEZ	10-8	3,150	20	13	126	12.5	82	0.7
7GVHO00013BEZ	13-8	5,300	24	15	154	15	99	1.3
7GVHO00016BEZ	16-8	8,000	28	20	195	18	130	2.8

Code	Nominal size	Working load limit (kg)	d mm	t mm	Weight kg/piece
7AXVK00006BEZ	6-8	1,120	8.0	45	0.2
7AXVK00078BEZ	7/8-8	2,000	10.0	54	0.5
7AXVK00010BEZ	10-8	3,150	12.0	77	0.8
7AXVK00013BEZ	13-8	5,300	16.0	92	1.6
7AXVK00016BEZ	16-8	8,000	20.0	74	2.5
7AXVK00022BEZ	22-8	15,000	26.5	195	8.8



VK SHORTENER

- This model is not fixed directly to the chain. A double connector and five chain links are needed for assembly.



CHAIN TENSORS, MODEL RLSP

Code	Nominal size	Min. breakage load (kg)	Handle length (mm)	Length l		Stroke mm	Weight kg/piece	
				Min. mm	Max. mm		With hook	Without hook
9ACRLSP008BEZ	8-8	8,500	355	362	565	203	3.4	4.7
9ACRLSP010BEZ	10-8	14,700	355	362	565	203	3.4	5.7
9ACRLSP013BEZ	13-8	20,500	355	362	565	203	3.7	-
9ACRLSP016BEZ	16-8	32,000	355	362	565	203	-	-



CHAIN TENSORS, MODEL LSP

Code	Nominal size	Min. breakage load (kg)	Handle length (mm)	Stroke mm	Weight Kg/piece
9ACLSPO0810BEZ	8-10	8,500	406	114	3.7
9ACLSPO1013BEZ	10-13	14,700	470	114	5.3



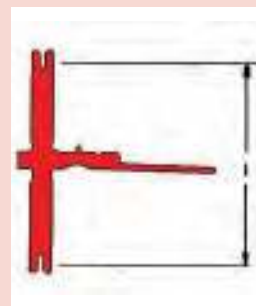
CHAIN TENSORS, MODEL SSP

Code	Nominal size	Load limit daN	Working load limit (kg)	Handle l		Stroke	Weight Kg/piece
				Min. mm	Max. mm		
9ACSSP0008BEZ	8-8	4,000	2,000	320	460	140	1.7
9ACSSP0010BEZ	10-8	6,400	3,150	450	680	230	3.3
9ACSSP0013BEZ	13-8	10,000	5,300	530	800	270	7.0



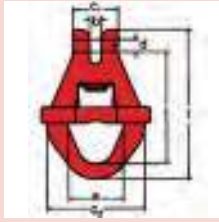
CHAIN TENSORS, MODEL RSP

Code	Nominal size	Load limit daN	Working load limit (kg)	Handle l		Stroke	Weight Kg/piece
				Min. mm	Max. mm		
9ACRSP0008BEZ	8-8	4,000	2,000	320	460	140	3.0
9ACRSP0010BEZ	10-8	6,400	3,150	450	680	230	4.4
9ACRSP0013BEZ	13-8	10,000	5,300	530	800	270	7.5





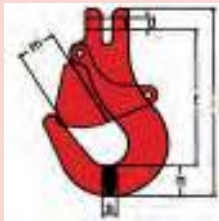
RING WITH SAFETY CATCH, MODEL RAK



Code 7GRAK00013BEZ

Nominal size	Working load limit (kg)	a mm	b mm	c1 mm	c2 mm	d mm	t mm	l mm	Weight kg/piece
13-8	5,300	72	15	60	128	16.2	145	194	1.6

HOOK, MODEL SAK



Code 7GSAK00013BEZ

Nominal size	Working load limit (kg)	d mm	h mm	l mm	m mm	s mm	t mm	Weight kg/piece
13-8	5,300	16	42	259	52	27	185	3.5

HIGH STRENGTH S-SHAPED HOOK, WLL MARKED ON HOOK



Hook in S Code	WLL Kg	a mm	b mm	c mm	Weight Piece
7GXSH00200BEZ	200	8	70	20	0.1
7GXSH00300BEZ	300	10	80	25	0.1
7GXSH00500BEZ	500	13	100	30	0.2
7GXSH00750BEZ	750	16	130	40	0.5
7GXSH01000BEZ	1,000	18	160	50	0.7
7GXSH01250BEZ	1,250	20	180	55	1.0
7GXSH01500BEZ	1,500	22	200	60	1.3
7GXSH02000BEZ	2,000	26	220	65	2.0
7GXSH03000BEZ	3,000	32	260	80	3.6
7GXSH04000BEZ	4,000	36	320	95	5.6
7GXSH05000BEZ	5,000	40	360	110	7.9
7GXSH06000BEZ	6,000	45	400	120	11.0

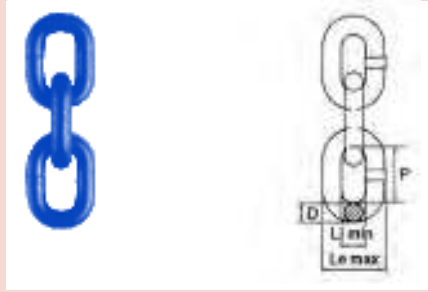
HIGH STRENGTH S-SHAPED HOOK WITH EYE, WLL MARKED ON HOOK



Hook in S Code	WLL Kg	a mm	b mm	c mm	d mm	Weight Piece
7GSH00200BEZ	200	8	70	20	20	0.1
7GSH00300BEZ	300	10	80	25	25	0.1
7GSH00500BEZ	500	13	100	30	30	0.2
7GSH00750BEZ	750	16	130	40	40	0.5
7GSH01000BEZ	1,000	18	160	50	50	0.7
7GSH01250BEZ	1,250	20	180	55	55	1.0
7GSH01500BEZ	1,500	22	200	60	60	1.3
7GSH02000BEZ	2,000	26	220	65	65	2.0
7GSH03000BEZ	3,000	32	260	80	80	3.6
7GSH05000BEZ	5,000	40	360	110	110	7.9

GRADE 100 CHAINS





G100 CHAIN

Code	Ø mm	P	Tolerance	Min Li	Max Le	Weight kg/m	WLL kg	MPF kn	BF kn	Min f mm
100BZC8182X06	6	18	± 0.5	7.8	22.2	0.9	1,400	35.3	56.5	4.8
100BZC8182X07	7	21	± 0.6	9.1	25.9	1.2	1,900	48.1	77	5.6
100BZC8182X08	8	24	± 0.7	10.4	29.6	1.6	2,500	62.8	101	6.4
100BZC8182X10	10	30	± 0.9	13	37	2.5	4,000	98.2	157	8
100BZC8182X13	13	39	± 1.2	16.9	48.1	4.2	6,700	166	265	10
100BZC8182X16	16	48	± 1.4	20.8	59.2	6.2	10,000	251	402	13
100BZC8182X18	18	54	± 1.6	23.4	66.6	8.1	12,500	318	509	14
100BZC8182X20	20	60	± 1.8	26	74	10	16,000	393	628	16
100BZC8182X22	22	66	± 2.0	28.6	81.4	11.9	19,000	475	760	18
100BZC8182X26	26	78	± 2.3	33.8	96.2	16.3	26,500	664	1060	21

1 leg hanging

2 legs

3 and 4 legs

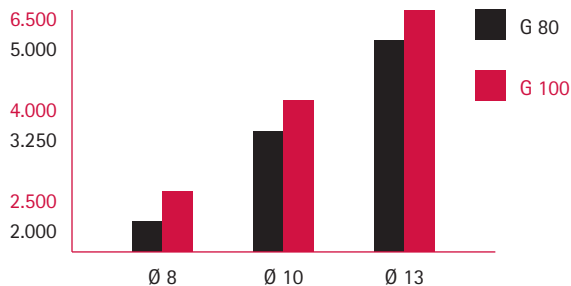
Endless hanging

Basket

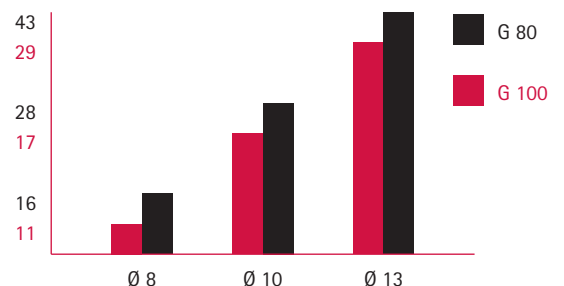


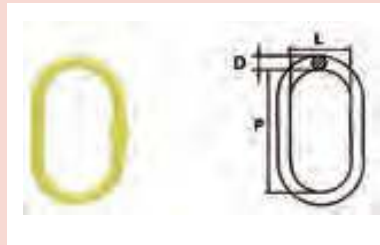
mm	1 kg	0.8 kg	1.4 kg	1 kg	2.1 kg	1.5 kg	1.6 kg	1.4 kg	1.7 kg
			0°<β≤45°	45°<β≤60°	0°<β≤45°	45°<β≤60°		0°<β≤45°	0°<β≤45°
6	1,400	1,120	2,000	1,400	3,000	2,120	2,240	1,540	2,380
7	1,900	1,500	2,650	1,900	4,000	2,800	3,000	2,090	3,230
8	2,500	2,000	3,550	2,500	5,300	3,750	4,000	2,750	4,250
10	4,000	3,150	5,600	4,000	8,000	6,000	6,300	4,400	6,800
13	6,700	5,300	9,500	6,700	14,000	10,000	10,600	7,370	11,390
16	10,000	8,000	14,000	10,000	21,200	15,000	16,000	11,000	17,000
20	16,000	12,800	22,400	16,000	33,600	24,000	25,600	17,600	27,200
22	19,000	15,000	26,500	19,000	40,000	28,000	30,000	20,900	32,300
26	26,500	21,200	37,100	26,500	55,650	39,750	42,400	29,150	45,050

25% GREATER LIFTING CAPACITY



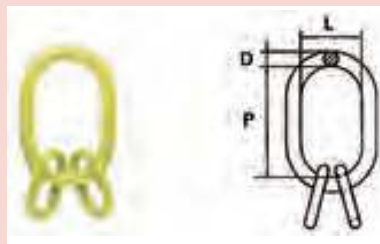
30% LESS WEIGHT





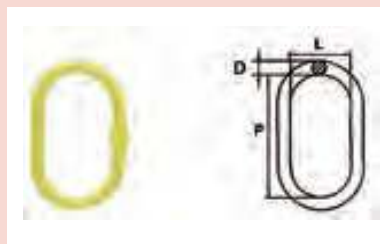
G-100 SINGLE OVAL BMX RING

Code	Ø mm	D mm	P mm	L mm	Weight kg	WLL kg	1 Leg Ø	2 Legs Ø
100BEZBMX0706	6-7	13	110	60	0.34	2,300	7	6
100BEZBMX0807	8	16	110	60	0.53	3,500	8	7
100BEZBMX1008	10	18	135	75	0.86	5,000	10	8
100BEZBMX1310	13	23	160	90	1.60	7,600	13	10
100BEZBMX1613	16	27	180	100	2.46	10,000	16	13
100BEZBMX1816	18	33	200	110	4.14	14,000	18	16
100BEZBMX2220	22	36	300	160	8.95	25,100	20	-
100BEZBMX2220	22	36	260	140	6.22	25,100	22	20
100BEZBMX2622	26	45	340	180	12.82	26,600	26	22



G-100 TRIPLE OVAL BMCX RING

Code	Ø mm	D mm	P mm	L mm	D1 mm	P1 mm	L1 mm	Weight kg	WLL/T kg
100TBEZBMCX67	6	19	135	75	13	54	25	1.3	4,000
100TBEZBMCX08	8	23	160	90	16.5	70	34	2.33	5,300
100TBEZBMCX10	10	27	180	100	19	85	40	3.7	8,000
100TBEZBMCX13	13	33	200	110	23	115	50	6.5	14,000
100TBEZBMCX16	16	36	260	140	27	140	65	10.1	21,200
100TBEZBMCX20	18-20	50	350	190	33	150	70	22.65	33,600
100TBEZBMCX22	22	50	350	190	36	170	75	25.19	39,900



BA-25 SPECIAL RINGS

Code	Ø mm	D mm	P mm	L mm	Weight kg	WLL kg	1 Leg Ø	2 Legs Ø
100BEZBA2506	8	25	340	180	3.7	4	10	8
100BEZBA2507	10	28	340	180	4.7	6,5	13	10
100BEZBA2508	13	34	340	180	7.0	10	16	13
100BEZBA2510	16	38	340	180	8.9	14,4	18	16



BAX HOOK WITH LATCH

Code	E mm	D mm	H mm	L mm	Ø mm	Weight kg	WLL kg
100BEZBAX06SF	18.5	10	21	111	20.5	0.32	1.4
100BEZBAX08SF	25	11	27.5	137.5	25	0.6	2.5
100BEZBAX10SF	28	16	33	171.5	34	1.2	4
100BEZBAX13SF	38	19	43.5	219	43	2.2	6.7
100BEZBAX16SF	44	24.5	40	260	50	3.5	10
100BEZBAX20SF	52	27	56	298	55	7.15	16
100BEZBAX22SF	66	29	62	330	60	11.5	19
100BEZBAX26SF	73	35	75	367	70	14	26.5
100BEZBAX32SF	87	39	89	427	66	17.5	39.3



BBX HOOK WITH LATCH

Code	A mm	B mm	E mm	H mm	M mm	L mm	Weight kg	WLL/T kg
100BEZBBX06SF	7.5	32	18.5	21	68.5	190	0.33	1.4
100BEZBBX08SF	9.5	37	25	27.5	88	134	0.7	2.5
100BEZBBX10SF	12	48	28	33.5	105.5	161.5	1.3	4
100BEZBBX13SF	15	59	38	42	134	203	2.3	6.7
100BEZBBX16SF	17.5	70	44	50	160.5	248	3.6	10
100BEZBBX20SF	25	85	52	56	190.5	297	7.3	16
100BEZBBX22SF	27	100	66	62	214.5	326	12.1	19



BROX SAFETY HOOK

Code	Ø mm	D mm	E mm	H mm	R mm	M mm	L mm	Weight kg	WLL/T kg
100SBEZBROX06	21	43	28	20	110	70	141	5.5	1.4
100SBEZBROX08	27	51	35.5	26	137	90	175	0.9	2.5
100SBEZBROX10	34.5	64.5	45	30	169	108	212.5	1.5	4
100SBEZBROX13	40	80	53.5	40.5	209	138.5	270	2.7	6.7
100SBEZBROX16	50	104	62	50.5	254	170.5	331	5.7	10
100SBEZBROX20	60	120	76.5	62	277	192.5	369	7.9	16
100SBEZBROX22	70	134	80	66	319.5	205	417	11.2	19



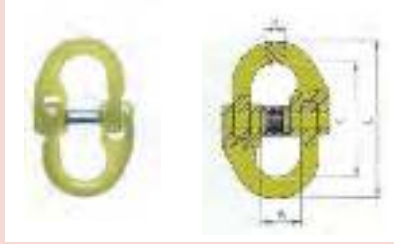
BRFX SAFETY HOOK

Code	A mm	B mm	E mm	H mm	R mm	M mm	L mm	Weight kg	WLL kg
100SBEZBRFX06	7.5	32	28	20	96	70	131	0.5	1.4
100SBEZBRFX08	9.5	36	36.5	26	123	90	166	0.9	2.5
100SBEZBRFX10	12	46	45	30	144	109	196.5	1.6	4
100SBEZBRFX13	15	59	53.5	40.5	182	138.5	251	2.9	6.7
100SBEZBRFX16	17.5	70	62	50.5	217	170.5	303	5.8	10
100SBEZBRFX20	25	85	76.5	62	235	192.5	337.5	8.6	16
100SBEZBRFX22	25.5	98	80	66	276.5	205	391	12.1	19



BRGX ROTATING SAFETY HOOK

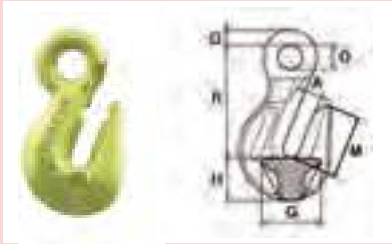
Code	B mm	C mm	D mm	E mm	H mm	M mm	L mm	Weight kg	WLL/T kg
100GBEZBRGX06	32.5	23	11.5	28	20	70	184	0.6	1.4
100GBEZBRGX08	36	28	13	35.5	26	90	229	1.1	2.5
100GBEZBRGX10	42	35	15.5	45	30	109	269	2	4
100GBEZBRGX13	50	40	17	53.5	40.5	138.5	330	4	6.7
100GBEZBRGX16	61	56	21.5	62	50.5	170.5	413	6.8	10
100GBEZBRGX20	72	62	26	76.5	62	192.5	463	12.5	16
100GBEZBRGX22	97	94	33	80	66	205	572	17.1	19

**BLX G-100 CONNECTOR**

Code	H mm	A mm	K mm	L mm	Weight kg	WLL kg
100MUBEZBLX06	7.6	14	44.5	60	0.1	1.4
100MUBEZBLX08	10	18.5	61.5	84.5	0.22	2.5
100MUBEZBLX10	12.6	23	72	97.2	0.45	4
100MUBEZBLX13	16.8	27.5	89	127	1.15	6.7
100MUBEZBLX16	21	33.5	103	145	1.75	10
100MUBEZBLX20	24	42.5	116	175	2.7	16
100MUBEZBLX22	27	48	135	193	4.02	19
100MUBEZBLX26	32	61	164	228	5.1	26.5
100MUBEZBLX32	40	80	194	274	8.50	39.3

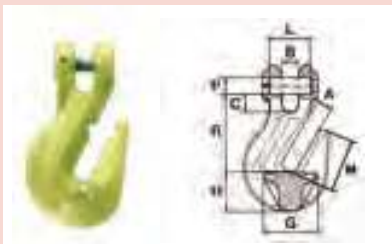
**BXX SHORTENER**

Code	Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	PxL kg	Weight kg	WLL kg
100GABEZBXX06	6	8	8	10	8	19	45	23	7.5x17.5	0.21	1,400
100GABEZBXX07	7	9.5	9.5	10	9.5	23.5	56	29	9x22.5	0.48	1,900
100GABEZBXX08	8	9.5	9.5	10	9.5	23.5	56	29	10x22.5	0.48	2,500
100GABEZBXX10	10	12	12	14.5	12	32.5	78	36	13x31.5	1.12	4,000
100GABEZBXX13	13	15.5	15.5	18	15.5	44	90	35	16x42	1.83	6,700
100GABEZBXX16	16	19	21	21	19	50	106	38	21x51.5	2.83	10,000



BDX SHORTENER

Code without safety catch	Ø mm	A mm	D mm	G mm	H mm	O mm	R mm	M mm	Weight kg	WLL kg
100GABEZBDX06	6	8	8.5	22	22	12	51.5	35.5	0.18	1,400
100GABEZBDX08	7-8	10	11	30	28	17	69	47	0.40	2,500
100GABEZBDX10	10	13	15	44	34	22	86.5	55	0.88	4,000
100GABEZBDX13	13	17	18	53	47	26	110.5	81	1.95	6,700
100GABEZBDX16	16	19	21	64	60	32	129	92	3.20	10,000
100GABEZBDX20	20	23.5	23	85	64	38	153	100	4.9	16,000
100GABEZBDX22	22	26	26	92	65	41	180	121	7.5	19,000



BFX SHORTENER

Code without safety catch	Ø mm	A mm	B mm	C mm	G mm	H mm	R mm	M mm	PxL kg	Weight kg	WLL kg
100GABEZBFX06	6	8	8	8.8	22	22	50.5	35.5	7.5x17.5	0.20	1,400
100GABEZBFX07	7	10	10	11.4	30	28	65.5	47	9x22.5	0.44	1,900
100GABEZBFX08	8	10	10	10.9	30	28	64.9	47	10x23	0.44	2,500
100GABEZBFX10	10	13	13	14.9	34	34	79.9	55	13x31.5	0.96	4,000
100GABEZBFX13	13	17	17	17.4	47	47	105.4	81	16x42	2.10	6,700
100GABEZBFX16	16	19	19	18.3	64	60	111.8	92	21x51.5	3.40	10,000
100GABEZBFX20	20	23.5	23	22	84	65	118	100	24x61.5	5.20	16,000
100GABEZBFX22	22	26	26	25	92	65	154	120	26x72	7.80	19,000



BKSX LATCH FOR BAX AND BBX HOOKS

Code	Ø mm
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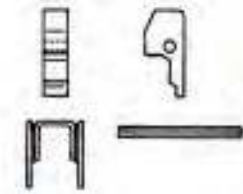
100PBEZBKSX06	6
100PBEZBKSX08	7-8
100PBEZBKSX10	10
100PBEZBKSX13	13
100PBEZBKSX16	16
100PBEZBKSX20	20
100PBEZBKSX22	22



BKSXLX LATCH FOR BROX AND BRFX HOOKS

Code	Ø mm
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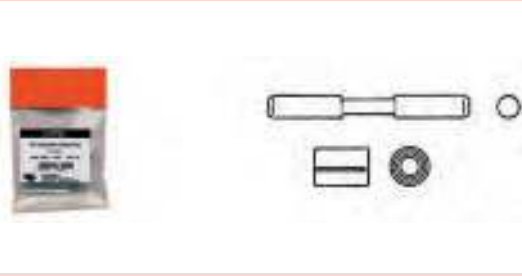
100PBZBKSLX06	6
100PBZBKSLX08	7-8
100PBZBKSLX10	10
100PBZBKSLX13	13
100PBZBKSLX16	16



BKK LATCH FOR BXX SHORTENER

Code	Ø mm
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100PTBEZBKX06	6
100PTBEZBKX07	7
100PTBEZBKX08	8
100PTBEZBKX10	10
100PTBEZBKX13	13
100PTBEZBKX16	16



BLKK BOLT AND STOCK FOR BLX CONNECTOR

Code	Ø mm
100BBEZBLKX06	6
100BBEZBLKX07	7
100BBEZBLKX08	8
100BBEZBLKX10	10
100BBEZBLKX13	13
100BBEZBLKX16	16
100BBEZBLKX20	20
100BBEZBLKX22	22



Bezabala reserves the right to alter these measurements and indications.





EYE BOLTS

G-80 HIGH TENSILE





BMD ROTATING EYE BOLT

- Manufactured according to Machinery Directive 98/37/CE.
- Grade 80 upper ring, as per EN 1677-4 standard.
- Compact and light design.
- Safety factor 4:1 in all working directions.
- 360° rotation.
- 180° folding ring.
- 40% lighter than similar eye bolts with the same SWL.
- Minimum space for optimum use.
- Various thread lengths.



BMD

MALE AND FEMALE EYE BOLTS

Manufactured according to Machinery Directive 98/37/CE.
Compact and light design.
Safety factor 4:1.



BMG



BMR



BMH





800 BMD ROTATING EYE BOLT

Manufactured according to Machinery Directive 98/37/CE. 80 grade upper ring, as per EN 1677-4 standard. Safety factor 4:1.

Code	DxL mm	A mm	B mm	C mm	E mm	H mm	SW mm	D1 mm	Weight kg
6CANTABMD1018	0.3t-M10x18	30	13	46	42	95	30	36	0.430
6CANTABMD1218	0.5t-M12x18	30	13	46	50	105	30	38	0.500
6CANTABMD1620	1t-M16x20	30	13	46	50	105	30	38	0.530
6CANTABMD2030	2t-M20x30	34	16	57	61	131	40	50	1.050
6CANTABMD2430	3t-M24x30	40	19	70	68	153	48	58	1.630
6CANTABMD3035	5t-M30x35	40	20	65	80	165	65	75	2.230
6CANTABMD3650	8t-M36x50	50	22	90	95	205	75	85	4.720
6CANTABMD4250	10t-M42x50	50	22	90	95	205	75	85	4.940
6CANTABMD5678	15t-M56x78	70	30	120	130	280	95	120	10.00

Installation instructions

- The contact surfaces must be flat.
- Tighten fully down with a DIN 895 or 894 spanner.
- If necessary, fix the eye bolt with synthetic liquid material.
- Minimum thread depth:
In steel 1 x d.
In cast steel 1.25 x d.
In aluminium 2 x d.
In aluminium/magnesium alloy 2.5 x d.
In the event of incorrect application, the working load must be reduced to 1 tonne.



Code	DxL mm	1 leg 0°	2 legs 0°	1 leg 90°	2 legs 90°	2 leg 0-45°	2 leg 45-60°	3/4 legs 0-45°	3/4 legs 45-60°
6CANTABMD1018	0.3t-M10x18	0.6	1.18	0.3	0.6	0.42	0.3	0.63	0.45
6CANTABMD1218	0.5t-M12x18	1	2	0.5	1	0.75	0.5	1.1	0.75
6CANTABMD1620	1t-M16x20	2	4	1.12	2	1.5	1.12	2.36	1.6
6CANTABMD2030	2t-M20x30	4	8	2	4	2.8	2	4	3
6CANTABMD2430	3t-M24x30	6.3	12.5	3.15	6.3	4.25	3.15	6.3	4.75
6CANTABMD3035	5t-M30x35	10.6	21.2	5.3	10.6	7.1	5.3	11.2	8
6CANTABMD3650	8t-M36x50	12.5	25	8	16	11.2	8	16.8	12
6CANTABMD4250	10t-M42x50	15	30	10	20	14	10	21.2	15
6CANTABMD5678	15t-M56x78	25	50	15	30	21	15	31.5	22.5



801 8.8 BMG MALE ROTATING EYE BOLT

Manufactured according to Machinery Directive 98/37/CE. Safety factor 4:1.

Installation instructions

- The contact surfaces must be flat.
- Once seated, it must turn through 360°.
- Before starting to lift, adjust the direction of pull.



Code	DxL mm	A mm	B mm	C mm	F mm	H mm	Weight kg
6CANMBEZ80106	M6x15	25	45	25	10	45	0.090
6CANMBEZ80108	M8x15	25	45	25	10	45	0.090
6CANMBEZ80110	M10x16	25	45	25	10	45	0.110
6CANMBEZ80112	M12x22	35	63	35	14	62	0.270
6CANMBEZ80114	M14x20	35	63	35	14	62	0.290
6CANMBEZ80116	M16x29	35	63	35	14	62	0.310
6CANMBEZ80120	M20x32	50	90	50	20	90	0.860
6CANMBEZ80124	M24x40	50	90	50	20	90	0.900
6CANMBEZ80130	M30x45	60	108	65	24	109	1.700



Code	DxL mm	1 leg 0°	2 legs 0°	1 leg 90°	2 legs 90°	2 leg 0-45°	2 leg 45-60°	3/4 legs 0-45°	3/4 legs 45-60°
6CANMBEZ80106	M6x15	0.4	0.8	0.1	0.2	0.14	0.1	0.2	0.14
6CANMBEZ80108	M8x15	0.8	1.6	0.2	0.4	0.28	0.2	0.4	0.28
6CANMBEZ80110	M10x16	1	2	0.25	0.5	0.35	0.25	0.5	0.35
6CANMBEZ80112	M12x22	1.6	3.2	0.4	0.8	0.56	0.4	0.8	0.56
6CANMBEZ80114	M14x20	3	6	0.75	1.5	1	0.75	1.5	1
6CANMBEZ80116	M16x29	4	8	1	2	1.4	1	2	1.4
6CANMBEZ80120	M20x32	6	12	1.5	3	2.1	1.5	3	2.1
6CANMBEZ80124	M24x40	8	16	2	4	2.8	2	4	2.8
6CANMBEZ80130	M30x45	12	24	3	6	4.2	3	6	4.2



802 8.8 BMH FEMALE EYE BOLT

Manufactured according to Machinery Directive 98/37/CE. 80 grade upper ring, as per EN 1677-4 standard. Safety factor 4:1.

Installation instructions

1. The contact surfaces must be flat.
2. Before starting to lift, ensure that it is fully screwed home.
3. Before starting to lift, adjust the direction of pull.



Code	DxL mm	A mm	B mm	C mm	E mm	H mm	Weight kg
6CANHBEZ80206	M6	25	45	25	10	45	0.100
6CANHBEZ80208	M8	25	45	25	10	45	0.100
6CANHBEZ80210	M10	25	45	25	10	45	0.100
6CANHBEZ80212	M12	35	63	35	14	62	0.260
6CANHBEZ80214	M14	35	63	35	14	62	0.260
6CANHBEZ80216	M16	35	63	35	14	62	0.260
6CANHBEZ80218	M18	50	90	50	20	90	0.750
6CANHBEZ80220	M20	50	90	50	20	90	0.750
6CANHBEZ80224	M24	50	90	50	20	90	0.750
6CANHBEZ80227	M27	60	108	65	24	109	1.400
6CANHBEZ80230	M30	60	108	65	24	109	1.400



Code	DxL mm	1 leg	2 legs	2 legs		3/4 legs	
		0°	0°	0-45°	45-60°	0-45°	45-60°
6CANHBEZ80206	M6	0.4	0.8	0.14	0.1	0.2	0.14
6CANHBEZ80208	M8	0.8	1.6	0.28	0.2	0.4	0.28
6CANHBEZ80210	M10	1	2	0.35	0.25	0.5	0.35
6CANHBEZ80212	M12	1.6	3.2	0.56	0.4	0.8	0.56
6CANHBEZ80214	M14	3	6	1	0.75	1.5	1
6CANHBEZ80216	M16	4	8	1.4	1	2	1.4
6CANHBEZ80218	M18	5	10	1.8	1.25	2.5	1.8
6CANHBEZ80220	M20	6	12	2.1	1.5	3	2.1
6CANHBEZ80224	M24	8	16	2.8	2	4	2.8
6CANHBEZ80227	M27	10	20	3.5	2.5	5	3.5
6CANHBEZ80230	M30	12	24	4.2	3	6	4.2

NOT APPROVED



APPROVED

D
A
N
G
E
R



803 8.8 BMR MALE EYE BOLT

Manufactured according to Machinery Directive 98/37/CE.
Safety factor 4:1.

Installation instructions

1. The contact surfaces must be flat.
2. Before starting to lift, ensure that it is fully screwed home.
3. Before starting to lift, adjust the direction of pull.



Code	DxL mm	A mm	B mm	C mm	E mm	H mm	Weight kg
6CANMBEZ80306	M6X13	25	45	25	10	45	0.090
6CANMBEZ80308	M8X13	25	45	25	10	45	0.090
6CANMBEZ80310	M10X17	25	45	25	10	45	0.110
6CANMBEZ80312	M12X21	35	63	35	14	62	0.270
6CANMBEZ80314	M14X21	35	63	35	14	62	0.290
6CANMBEZ80316	M16X27	35	63	35	14	62	0.310
6CANMBEZ80318	M18X27	50	90	50	20	90	0.840
6CANMBEZ80320	M20X30	50	90	50	20	90	0.860
6CANMBEZ80324	M24X36	50	90	50	20	90	0.900
6CANMBEZ80327	M27X45	60	108	65	24	109	1.660
6CANMBEZ80330	M30X45	60	108	65	24	109	1.700



Code	DxL mm	1 leg		2 legs		2 legs		3/4 legs	
		0°	0°	0-45°	45-60°	0-45°	45-60°		
6CANMBEZ80306	M6x13	0.4	0.8	0.14	0.1	0.2	0.14		
6CANMBEZ80308	M8x13	0.8	1.6	0.28	0.2	0.4	0.28		
6CANMBEZ80310	M10x17	1	2	0.35	0.25	0.5	0.35		
6CANMBEZ80312	M12x21	1.6	3.2	0.56	0.4	0.8	0.56		
6CANMBEZ80314	M14x21	3	6	1	0.75	1.5	1		
6CANMBEZ80316	M16x27	4	8	1.4	1	2	1.4		
6CANMBEZ80318	M18x27	5	10	1.8	1.25	2.5	1.8		
6CANMBEZ80320	M20x30	6	12	2.1	1.5	3	2.1		
6CANMBEZ80324	M24x36	8	16	2.8	2	4	2.8		
6CANMBEZ80327	M27x45	10	20	3.5	2.5	5	3.5		
6CANMBEZ80330	M30x45	12	24	4.2	3	6	4.2		

EYE BOLTS

BMDS WELDABLE TRANSPORT RING

Manufactured according to Machinery Directive 98/37/CE.
Forged pulling ring as per EN 1677-4 standard.
Safety factor 4:1.
Must be welded as per EN 287 standard or AWS standards.



Nominal size	Chain Ø	Article N°	SWL tonnes	E* mm	F* mm	C mm	L mm	H mm	D mm	B mm	Weight kg
6-8	6	6CANTAPS0001T	1.12	59	31	32	32	28	12	36	0.30
8-8	8	6CANTAPS0002T	2	69	37	38	38	33	14	42	0.50
10-8	10	6CANTAPS0003T	3.45	84	46	45	44	38	18	48	0.70
13-8	13	6CANTAPS0005T	5.3	120	69	60	60	51	24	66	1.60
16-8	16	6CANTAPS0008T	8	127	66	68	65	61	28	72	2.40
22-8	22	6CANTAPS0015T	15	178	98	96	109	80	39	120	8.10



POLYESTER SLINGS

FLAT AND ROUND SLINGS

BEZABALA

3.000



POLYESTER SLINGS

Bezabala flat and round polyester slings are made with high strength materials and to EN 1492-1, EN 1492-2 and ECS standards.

All the slings have been subjected to heat treatment and have a polyurethane covering on the fibre which gives them extraordinary resistance to ultraviolet radiation, giving the sling a longer life, optimum performance against abrasion when working in tension and controlled and balanced stretching throughout the surface of the sling.

The sling eyes are reinforced throughout their length and all slings are highly resistant to temperature (+100°C to -40°C), retaining their flexibility at all times.

Flat slings

- BZ standard model double band manufacture.
- Double band manufacture with metal sockets.
- BZ PLUS special model double band manufacture.
Narrower, with greater lifting capacity.
Permanently marked with working load and manufacturer's name.
Reinforced eyes throughout its length.
- BZ-S PLUS model quadruple band manufacture.
Narrower, with greater lifting capacity.
Permanently marked with working load and manufacturer's name.

SRS model tubular endless slings

Load capacity marked on sling.

Sling identified with black thread.

SRG model slings with eyes

Load capacity marked on sling.

Sling identified with black thread.

FASTENING SYSTEMS

The fastening systems are manufactured as per the EN 12195-2 standard and include heat welded belts with controlled stretching of $\leq 4\%$.

Bezabala fastening systems have been subjected to heat treatment and have a polyurethane covering on the fibre which gives them extraordinary resistance to ultraviolet radiation, giving the sling a longer life, optimum performance against abrasion when working in tension and controlled and balanced stretching throughout the surface of the sling.

- Ratchet tensioners.
- Pressure tensioners.
- Metal sockets.

BEZATEX PROTECTORS

Bezatex is an anti-cut protective covering for polyester slings, applicable to both flat and round slings.

They are made of polyurethane that is very flexible under load and has a Shore A strength of 08 kg/mm² as per DIN 52505.

Bezatex 1: protection on one side.

Bezatex 2: protection on both sides.

PVC

BEZLAR

PLA



RECOMMENDATIONS FOR USE

CONSTANT CONTROL

It is essential that the slings be revised by a technician at least once a year and at shorter intervals when the usage and environmental conditions make this advisable. Defective slings that affect safety must not be used, which requires a constant check during service to detect visible deterioration.

Flat slings must be taken out of service (when they cannot be repaired) in the event of:

- Broken/cut wires within the textile of more than 10% of the sling's cross section.
- Damage to the load-bearing ribs.
- Heat deformation (e.g., friction, radiation).
- Damage from aggressive substances (chemical).

Tubular slings must be taken out of service (when they cannot be repaired) in the event of:

- Damage to the lining (covering) causing cuts in interior threads of more than 10%.
- Heat deformation (e.g., friction, radiation).
- Damage from aggressive substances.

Slings must also be taken out of service when the metalwork deteriorates, e.g., deformation, cracking, breakage.

CONSERVATION AND CLEANING RECOMMENDATIONS

CLEANING

When polyester slings have come into contact with acid and/or breach, it is recommended that this be neutralised with water or other suitable substances before storing.

CONSERVATION AND STORAGE

The best environment for storing polyester slings is a dry area with moderate heating, protected from mechanical damage and sunlight. They must never be placed next to fire or other hot places to dry them.

MAINTENANCE

Polyester slings must be repaired by the manufacturer or persons authorised by it only. Only slings for which the manufacturer, load capacity and material are shown on the label must be repaired. In all cases, ensure that the repair does not affect the sling's safety.

INSPECTION

See the inspection chapter.

For further information, visit our Web site at www.bezabala.com
or consult our **Technical Department**



BZ FLAT POLYESTER SLINGS

- Standard program. EN 1492-1.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3PBZ030		BZ-30	1,000	30/7.
3PBZ060		BZ-60	2,000	60/7.
3PBZ090		BZ-90	3,000	90/7.
3PBZ120		BZ-120	4,000	120/7.
3PBZ150		BZ-150	5,000	150/7.
3PBZ180		BZ-180	6,000	180/7.
3PBZ240		BZ-240	8,000	240/7.
3PBZ300		BZ-300	10,000	300/7.

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling								
		Direct pull	Hanging	Inclination angles b°			2 slings		3 or 4 slings	
				0°<b°<7°	7°<b°<45°	45°<b°<60°	Inclination angle b°		Inclination angle b°	
		1	0.8	2	1.4	1	1.4	1	2.1	1.5
3PBZ030	Violet	1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500
3PBZ060	Green	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000
3PBZ090	Yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500
3PBZ120	Grey	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000
3PBZ150	Red	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500
3PBZ180	Brown	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000
3PBZ240	Blue	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000
3PBZ300	Orange	10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000



BZ PLUS FLAT POLYESTER SLINGS

- BZ plus programme. EN 1492-1.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3PBZP25		BZ Plus 25	1,000	25/7.
3PBZP50		BZ Plus 50	2,000	50/7.
3PBZP75		BZ Plus 75	3,000	75/7.
3PBZP100		BZ Plus 100	4,000	100/7.
3PBZP125		BZ Plus 125	5,000	125/7.
3PBZP150		BZ Plus 150	6,000	150/7.
3PBZP200		BZ Plus 200	8,000	200/7.
3PBZP250		BZ Plus 250	10,000	250/7.
3PBZP300		BZ Plus 300	12,000	300/7.

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling								
		Direct pull	Hanging	Inclination angles b°			2 slings		3 or 4 slings	
				0°<b°<7°	7°<b°<45°	45°<b°<60°	Inclination angle b°		Inclination angle b°	
0°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°					
		1	0.8	2	1.4	1	1.4	1	2.1	1.5
3PBZP25		1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500
3PBZP50		2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000
3PBZP75		3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500
3PBZP100		4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000
3PBZP125		5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500
3PBZP150		6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000
3PBZP200		8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000
3PBZP250		10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000
3PBZP300		12,000	9,600	24,000	16,800	12,000	16,800	12,000	25,200	18,000



BZS-PLUS FLAT POLYESTER SLINGS

- BZS-Plus programme. EN 1492-1.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3PBZSP25		BZS-Plus 25	2,000	25/14.
3PBZSP50		BZS-Plus 50	4,000	50/14.
3PBZSP75		BZS-Plus 75	6,000	75/14.
3PBZSP100		BZS-Plus 100	8,000	100/14.
3PBZSP125		BZS-Plus 125	10,000	125/14.
3PBZSP150		BZS-Plus 150	12,000	150/14.
3PBZSP200		BZS-Plus 200	16,000	200/14.
3PBZSP250		BZS-Plus 250	20,000	250/14.
3PBZSP300		BZS-Plus 300	24,000	300/14.

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling								
		Direct pull	Hanging	Inclination angles b°			2 slings		3 or 4 slings	
				$0^\circ < b^\circ < 7^\circ$	$7^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$
		1	0.8	2	1.4	1	1.4	1	2.1	1.5
3PBZSP25	Green	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000
3PBZSP50	Grey	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000
3PBZSP75	Brown	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000
3PBZSP100	Blue	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000
3PBZSP125	Orange	10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000
3PBZSP150	Orange	12,000	9,600	24,000	16,800	12,000	16,800	12,000	25,200	18,000
3PBZSP200	Orange	16,000	12,800	32,000	22,400	16,000	22,400	16,000	33,600	24,000
3PBZSP250	Orange	20,000	16,000	40,000	28,000	20,000	28,000	20,000	42,000	30,000
3PBZSP300	Orange	24,000	19,200	48,000	33,600	24,000	33,600	24,000	50,400	36,000



BZA FLAT SINGLE BAND POLYESTER SLINGS

- Standard program. EN 1492-1.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3BZA030		BZA 30	500	30/3.5
3BZA060		BZA 60	1,000	60/3.5
3BZA090		BZA 90	1,500	90/3.5
3BZA120		BZA 120	2,000	120/3.5
3BZA150		BZA 150	2,500	150/3.5
3BZA180		BZA 180	3,000	180/3.5
3BZA240		BZA 240	4,000	240/3.5
3BZA300		BZA 300	5,000	300/3.5

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling					2 slings		3 or 4 slings	
		Direct pull	Hanging	Inclination angles b°			Inclination angle b°		Inclination angle b°	
				$0 < b^\circ < 7^\circ$	$7^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$
		1	0.8	2	1.4	1	1.4	1	2.1	1.5
3BZA030	Violet	500	400	1,000	700	500	700	500	1,050	750
3BZA060	Green	1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500
3BZA090	Yellow	1,500	1,200	3,000	2,100	1,500	2,100	1,500	3,150	2,250
3BZA120	Grey	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000
3BZA150	Red	2,500	2,000	5,000	3,500	2,500	3,500	2,500	5,250	3,750
3BZA180	Brown	3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500
3BZA240	Blue	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000
3BZA300	Orange	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500



SBZ ENDLESS FLAT POLYESTER SLINGS

- Standard program. EN 1492-1.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3SBZ030		SBZ 30	1,000	30/7
3SBZ060		SBZ 60	2,000	60/7
3SBZ090		SBZ 90	3,000	90/7
3SBZ120		SBZ 120	4,000	120/7
3SBZ150		SBZ 150	5,000	150/7
3SBZ180		SBZ 180	6,000	180/7
3SBZ240		SBZ 240	8,000	240/7
3SBZ300		SBZ 300	10,000	300/7

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling								
		Direct pull	Hanging	Inclination angles b°			2 slings		3 or 4 slings	
				0°<b°<7°	7°<b°<45°	45°<b°<60°	Inclination angle b°		Inclination angle b°	
0°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°					
		1	0.8	2	1.4	1	1.4	1	2.1	1.5
3SBZ030	Violet	1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500
3SBZ060	Green	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000
3SBZ090	Yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500
3SBZ120	Grey	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000
3SBZ150	Red	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500
3SBZ180	Brown	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000
3SBZ240	Blue	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000
3SBZ300	Orange	10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000

BZ TYPE FLAT SLINGS WITH TRIANGULAR RINGS

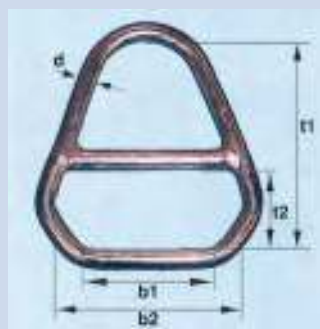
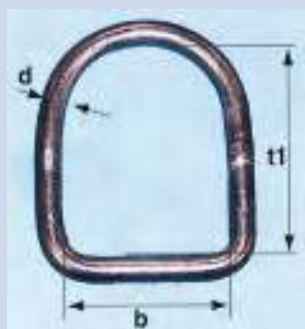
- Standard programme. EN 1492-1 (polyester) and UNE-EN 1677-4 (rings).
- Safety factor 7:1 (polyester), 4:1 (rings).



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3BZA101+A101		BZ30-A1/A1	1,000	30/7
3BZA102+A102		BZ60-A1/A1	2,000	60/7
3BZA103+A103		BZ90-A1/A1	3,000	90/7
3BZA104+A104		BZ120-A1/A1	4,000	120/7
3BZA105+A105		BZ150-A1/A1	5,000	150/7
3BZA106+A106		BZ180-A1/A1	6,000	180/7
3BZA108+A108		BZ240-A1/A1	8,000	240/7
3BZA110+A110		BZ300-A1/A1	10,000	300/7



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3BZA101+A201		BZ30-A1/A2	1,000	30/7
3BZA102+A202		BZ60-A1/A2	2,000	60/7
3BZA103+A203		BZ90-A1/A2	3,000	90/7
3BZA104+A204		BZ120-A1/A2	4,000	120/7
3BZA105+A205		BZ150-A1/A2	5,000	150/7
3BZA106+A206		BZ180-A1/A2	6,000	180/7
3BZA108+A208		BZ240-A1/A2	8,000	240/7
3BZA110+A210		BZ300-A1/A2	10,000	300/7





SRS TUBULAR POLYESTER SLINGS

- SRS programme. EN 1492-2.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg	Width thickness
3TSRS01		SRS 1000	1,000	45
3TSRS02		SRS 2000	2,000	50
3TSRS03		SRS 3000	3,000	63
3TSRS04		SRS 4000	4,000	67
3TSRS05		SRS 5000	5,000	70
3TSRS06		SRS 6000	6,000	80
3TSRS08		SRS 8000	8,000	100
3TSRS10		SRS 10000	10,000	100
3TSRS15		SRS 15000	15,000	105
3TSRS20		SRS 20000	20,000	128
3TSRS25		SRS 25000	25,000	141
3TSRS30		SRS 30000	30,000	160
3TSRS40		SRS 40000	40,000	173
3TSRS50		SRS 50000	50,000	230
3TSRS60		SRS 60000	60,000	245
3TSRS80		SRS 80000	80,000	320
3TSRS00		SRS 100000	100,000	360

MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling									2 slings		3 or 4 slings	
		Direct pull	Hanging	Inclination angles b°			Inclination angle b°		Inclination angle b°					
				0°<b°<7°	7°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°				
		1	0.8	2	1.4	1	1.4	1	2.1	1.5				
3TSRS01	Violet	1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500				
3TSRS02	Green	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000				
3TSRS03	Yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500				
3TSRS04	Grey	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000				
3TSRS05	Red	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500				
3TSRS06	Brown	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000				
3TSRS08	Blue	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000				
3TSRS10	Orange	10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000				
3TSRS15	Orange	15,000	12,000	30,000	21,000	15,000	21,000	15,000	31,500	22,500				
3TSRS20	Orange	20,000	16,000	40,000	28,000	20,000	28,000	20,000	42,000	30,000				
3TSRS25	Orange	25,000	20,000	50,000	35,000	25,000	35,000	25,000	52,500	37,500				
3TSRS30	Orange	30,000	24,000	60,000	42,000	30,000	42,000	30,000	63,000	45,000				
3TSRS40	Orange	40,000	32,000	80,000	56,000	40,000	56,000	40,000	84,000	60,000				
3TSRS50	Orange	50,000	40,000	100,000	70,000	50,000	70,000	50,000	105,000	75,000				
3TSRS60	Orange	60,000	48,000	120,000	84,000	60,000	84,000	60,000	126,000	90,000				
3TSRS80	Orange	80,000	64,000	160,000	112,000	80,000	112,000	58,000	168,000	120,000				
3TSRS00	Orange	100,000	80,000	200,000	140,000	100,000	140,000	100,000	210,000	150,000				



SRG TUBULAR POLYESTER SLINGS WITH EYES

- SIG program. EN 1492-2.
- Safety factor 7:1.



Code	ECS standard colour code	Reference	Maximum load kg
3TSRG01		SRG 1000	1,000
3TSRG02		SRG 2000	2,000
3TSRG03		SRG 3000	3,000
3TSRG04		SRG 4000	4,000
3TSRG05		SRG 5000	5,000
3TSRG06		SRG 6000	6,000
3TSRG08		SRG 8000	8,000
3TSRG10		SRG 10000	10,000

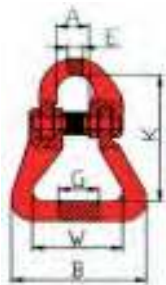
MAXIMUM LOAD (Kg)

Code	ECS colour code	1 sling									2 slings		3 or 4 slings	
		Direct pull	Hanging	Inclination angles b°			Inclination angle b°		Inclination angle b°					
				$0 < b^\circ < 7^\circ$	$7^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$	$0^\circ < b^\circ < 45^\circ$	$45^\circ < b^\circ < 60^\circ$				
		1	0.8	2	1.4	1	1.4	1	2.1	1.5				
3TSRRG01	Violet	1,000	800	2,000	1,400	1,000	1,400	1,000	2,100	1,500				
3TSRRG02	Green	2,000	1,600	4,000	2,800	2,000	2,800	2,000	4,200	3,000				
3TSRRG03	Yellow	3,000	2,400	6,000	4,200	3,000	4,200	3,000	6,300	4,500				
3TSRRG04	Grey	4,000	3,200	8,000	5,600	4,000	5,600	4,000	8,400	6,000				
3TSRRG05	Red	5,000	4,000	10,000	7,000	5,000	7,000	5,000	10,500	7,500				
3TSRRG06	Brown	6,000	4,800	12,000	8,400	6,000	8,400	6,000	12,600	9,000				
3TSRRG08	Blue	8,000	6,400	16,000	11,200	8,000	11,200	8,000	16,800	12,000				
3TSRRG10	Orange	10,000	8,000	20,000	14,000	10,000	14,000	10,000	21,000	15,000				



BREAKDOWN OF LIFTING SYSTEMS

PVG CONNECTIONS



SRG-1/CLS

SRG-2/CLS

SRG-4/CLS



1 leg

Round sling, SRG type



2 legs

Round sling, SRG type



4 legs

Round sling, SRG type

Code	Reference	ML
3UPVG00078BEZ	PVG 7/8	2,000
3UPVG00010BEZ	PVG 10-8	3,000
3UPVG00013BEZ	PVG 13-8	5,000
3UPVG01820BEZ	PVG 16-8	8,000
3UPVG00022BEZ	PVG 18/20-8	12,500



Single ring



Single ring



Ring with auxiliaries



Connection



Connection



Connection



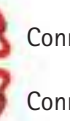
Connection



Connection



Connection



Connection



Connection



CLS hook



CLS hook



CLS hook



CLS hook



CLS hook



CLS hook



CLS hook

SRG1, SRG2 AND SRG4 LIFTING SYSTEMS (EN 1492 and DIN 61360 standards)

MAXIMUM LOAD (Kg)

	1 leg		2 legs			4 legs		
			Angles			Angles		
			-	0-45°	45-60°	-	0-45°	45-60°



ECS colour code	Mod. SRG1	Factor1	Mod. SRG2	Factor1.4	Factor1	Mod. SRG4	Factor2.1	Factor1.5
Violet	SRG1-1000	1000	SRG2-1000	1400	1000	SRG4-1000	2100	1500
Green	SRG1-2000	2000	SRG2-2000	2800	2000	SRG4-2000	4200	3000
Yellow	SRG1-3000	3000	SRG2-3000	4200	3000	SRG4-3000	6300	4500
Grey	SRG1-4000	4000	SRG2-4000	5600	4000	SRG4-4000	8400	6000
Red	SRG1-5000	5000	SRG2-5000	7000	5000	SRG4-5000	10500	7500
Brown	SRG1-6000	6000	SRG2-6000	8400	6000	SRG4-6000	12600	9000
Blue	SRG1-8000	8000	SRG2-8000	11200	8000	SRG4-8000	16800	12000
Orange	SRG1-10000	10000	SRG2-10000	14000	10000	SRG4-10000	21000	15000
Orange	SRG1-15000	15000	SRG2-15000	21000	15000	SRG4-15000	31500	22500
Orange	SRG1-20000	20000	SRG2-20000	28000	20000	SRG4-20000	42000	30000
Orange	SRG1-25000	25000	SRG2-25000	35000	25000	SRG4-25000	52500	37500
Orange	SRG1-30000	30000	SRG2-30000	42000	30000	SRG4-30000	63000	45000
Orange	SRG1-40000	40000	SRG2-40000	56000	40000	SRG4-40000	84000	60000
Orange	SRG1-50000	50000	SRG2-50000	70000	50000	SRG4-50000	105000	75000



BEZATEX

Bezatex is a transparent polyurethane elastomer that is extremely resistant to cutting (approximately 80 Shore A) and abrasion. Stretching to breakage is about 450% and progressive wear resistance at 20 N/mm. It has high elasticity and does not age.

BZTI BEZATEX ON ONE SIDE



Code	Max. belt width	Dimensions	Thickness		
3BZT1030	30 mm	50x40x10	5 mm	BZP-25	BZ-30
3BZT1060	60 mm	80x70x12	5 mm	BZP-50	BZ-60
3BZT1105	90 mm	110x100x12	5 mm	BZP-75	BZ-90
3BZT1135	120 mm	145x135x12	5 mm	BZP-100	BZP-125 BZ-120
3BZT1160	150 mm	170x160x12	5 mm	BZP-150	BZ-150
3BZT1190	180 mm	200x190x12	5 mm	BZ-180	
3BZT1280	250 mm	290x280x15	8 mm	BZP-200	BZP-250 BZ-240
3BZT1320	300 mm	330x320x15	8 mm	BZP-300	BZ-300

BZT2 BEZATEX ON BOTH SIDES



Code	Max. belt width	Dimensions	Thickness		
3BZT2030	30 mm	50x40x10	5 mm	BZP-25	BZ-30
3BZT2070	60 mm	80x70x12	5 mm	BZP-50	BZ-60
3BZT2100	90 mm	110x100x12	5 mm	BZP-75	BZ-90
3BZT2135	120 mm	145x135x12	5 mm	BZP-100	BZP-125 BZ-120
3BZT2160	150 mm	170x160x12	5 mm	BZP-150	BZ-150
3BZT2190	180 mm	200x190x12	5 mm	BZ-180	
3BZT2280	250 mm	290x280x15	8 mm	BZP-200	BZP-250 BZ-240
3BZT2320	300 mm	330x320x15	8 mm	BZP-300	BZ-300

PVC

Anti-abrasion protection, made of PVC.



Code	Max. belt width	Thickness		
3BZO025	30 mm	2 mm	BZP-25	BZ-30
3BZO045	60 mm	2 mm	BZP-50	BZ-60
3BZO070	100 mm	2.5 mm	BZP-75	BZP-100 BZ-90
3BZO090	125 mm	2.5 mm	BZP-125	BZ-120
3BZO110	150 mm	3 mm	BZP-150	BZ-150
3BZO150	200 mm	3 mm	BZ-180	
3BZO200	250 mm	3 mm	BZP-200	BZP-250 BZ-240
3BZO250	300 mm	3.5 mm	BZP-300	BZ-300



BEZLAR

Very flexible anti-abrasion protection with excellent behaviour against sharp edges.



Código	Max. belt width		
3BEZLAR30	30 mm	BZ-30	BZP-25
3BEZLAR60	60 mm	BZ-60	BZP-50
3BEZLAR90	90 mm	BZ-90	BZP-75

PLA

Polyurethane cord stitched to the sling on both sides to prevent cuts and lateral abrasion.

Código 3PLA



BZQ EDGE PROTECTOR WITHOUT MAGNETS

Code	Max. belt width	Wing length
3BZQ065	65 mm	90 mm
3BZQ100	100 mm	90 mm
3BZQ125	125 mm	90 mm
3BZQ150	150 mm	90 mm
3BZQ200	200 mm	90 mm
3BZQ300	300 mm	90 mm



BZQMA JOINTED EDGE PROTECTOR

Code	Max. belt width	Width ext.	Wing length
3BZQMA060	60 mm	70 mm	100 mm
3BZQMA090	90 mm	100 mm	100 mm
3BZQMA120	120 mm	130 mm	100 mm
3BZQMA150	150 mm	160 mm	100 mm

BZQM EDGE PROTECTOR WITH MAGNETS

Code	Max. belt width	Wing length	No of magnets
3BZQM065	65 mm	90 mm	2
3BZQM100	100 mm	90 mm	4
3BZQM125	125 mm	90 mm	4
3BZQM150	150 mm	90 mm	4
3BZQM200	200 mm	90 mm	6
3BZQM300	300 mm	90 mm	8

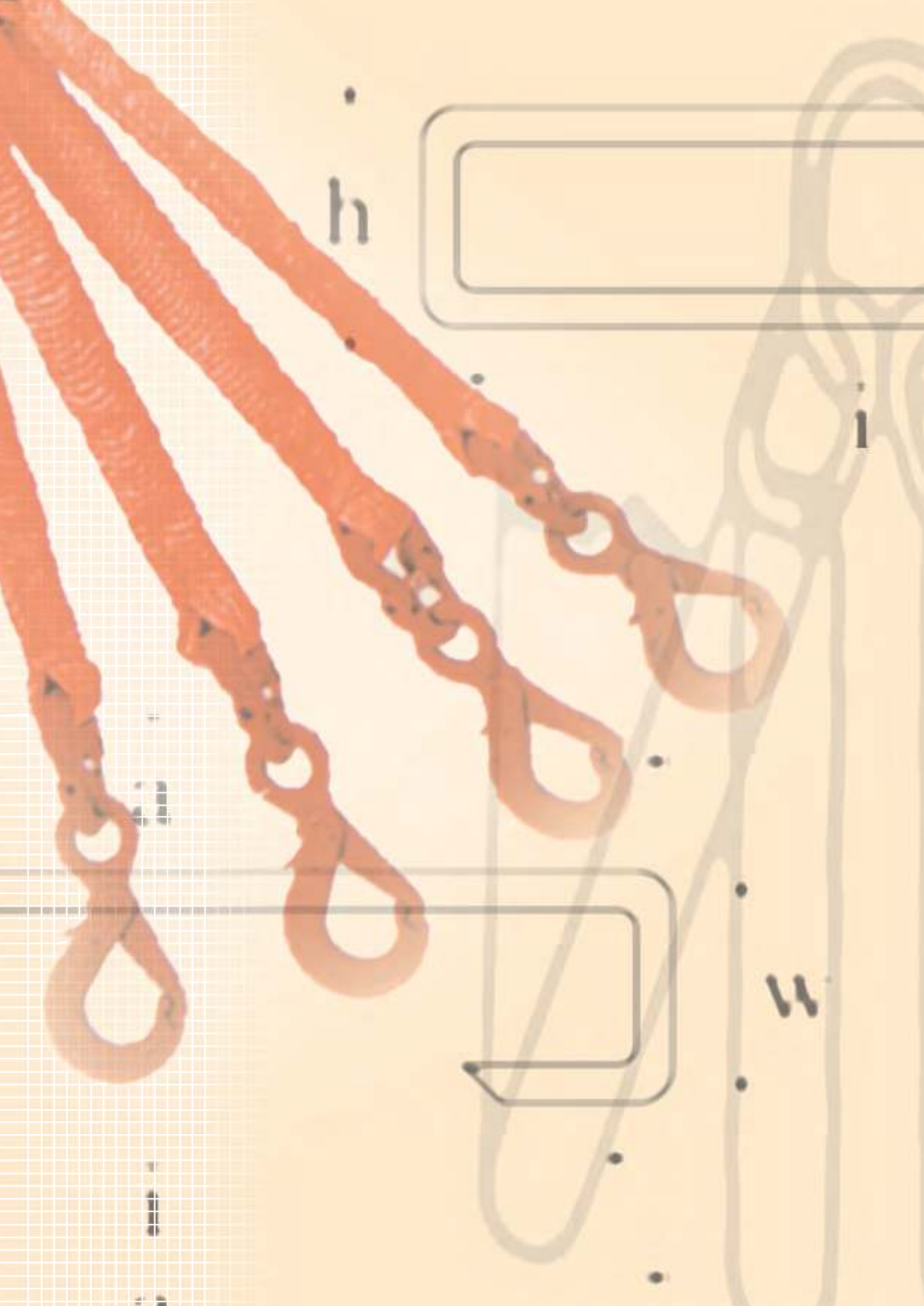




SINGLE USE SLINGS AS PER THE EN 440901 STANDARD NON-STANDARD MANUFACTURE

SPECIAL WORK AS PER THE EN 1492-1 STANDARD

- Loading and unloading nets according to the client's needs.
- Manufacture of slings of special widths.
- Glazing slings.



h

i

j

k

l



**FASTENING
SYSTEMS**



HOW TO ORDER A FASTENING SYSTEM

- Define the working load.
- Define whether the fastening system is:
 - In two parts.
 - Closed or endless.
- Define the metal socket at the end.

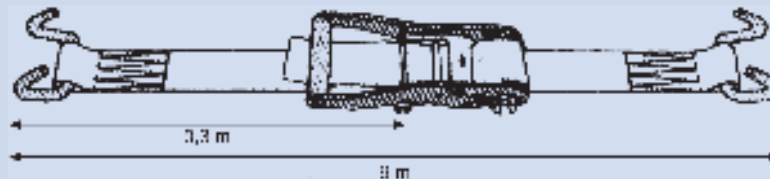
Example

To order a fastening system in two parts with TM503 metal sockets and with a total length of 9 m, define:

RATCHET SYSTEM

	Direct pull	Basket pull
TCBZ50A - 2 - TM503 x 9m - 0.3m	1,500 Kg	3,000 Kg
	2,000 Kg	4,000 Kg
	2,500 Kg	5,000 Kg

- TCBZ50A: Ratchet tensor model.
- 2: System in two parts.
- TM503: model with metal socket at an end.
- 9 m: Total length of system.
- 0.3 m: Length of fixed part.



1 part



Fastening system in one part, belt type:

Example 5 m long.

- Ratchet tensor.
- 5 m of belt.

Mod. TCBZ50A - 1x5 m.

Code: 3C50A1-5N

2 parts



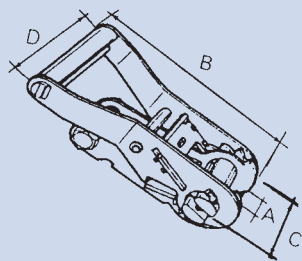
Fastening system in two parts:

Example 9 m long.

- Short part: tensor + 0.3 m belt + TM.
- Long part: 8.7 m belt TM

Mod. TCBZ50A-2 - TM503x9-0.3 mm./2,000 Kg.

Code: 3C50A2-503-9N



RATCHET TENSOR 25 mm BAND

Model	TCBZ25A	TCBZ25B
A (mm)	28	26
B (mm)	130	112
C (mm)	55	48
D (mm)	60	37
CMU (Kg)	1,500	400

TCBZ25	
(Belt breakage load: 1400 kg). Orange belt.	
250 dan	
500 dan	
500 dan	



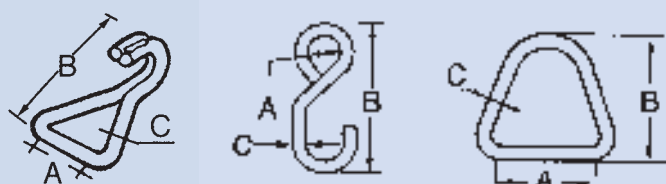
Mod. TCBZ25A

Code: 3TCBZ25A



Mod. TCBZ25B

Code: 3TCBZ25B



METAL SOCKET 25 mm BAND

Model	TM250	TM251	TM252
A (mm)	27	23,5	24
B (mm)	53	46	105
C (mm)	7	6	8
CMU (Kg)	544	400	340



Mod. TM250

Code: 3TM250



Mod. TM251

Code: 3TM251

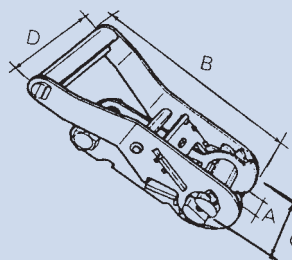


Mod. TM252

Code: 3TM252



RATCHET TENSOR 35 mm BAND



TCBZ35	
(Belt breakage load: 1400 kg). Orange belt.	
1000 dan	
2000 dan	
2000 dan	

Model	TCBZ35A	TCBZ35B
A (mm)	39	39
B (mm)	155	157
C (mm)	70	70
D (mm)	80	56
CMU (Kg)	1,500	1,500

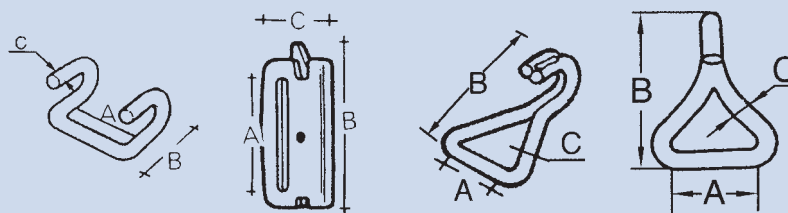
Double closure



Mod. TCBZ36A

Code: 3TCBZ35A

METAL SOCKET 35 mm BAND



Mod. TM360

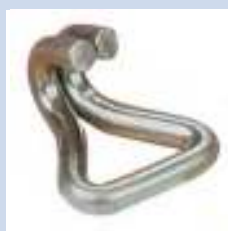
Code: 3TM360

Model	TM360	TM361	TM363	TM364	TM365
A (mm)	39	52	39	39	38
B (mm)	55	77	65	90	110
C (mm)	10	30	10	12,5	114
CMU (Kg)	1,500	1,000	1,500	1,500	1,000



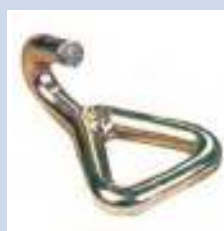
Mod. TM361

Code: 3TM505



Mod. TM363

Code: 3TM363



Mod. TM364

Code: 3TM364

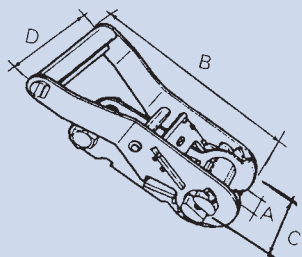


Mod. TM365

Code: 3TM365



RATCHET TENSOR 50 mm BAND



Model	TCBZ50A	TCBZ50ABS	TCBZ50C	TCBZ50ER	TCBZ50H
A (mm)	52	52	52	52	52
B (mm)	230	225	165	350	225
C (mm)	90	90	90	90	90
D (mm)	101	101	74	101	101
CMU (Kg)	2,500	2,500	2,500	2,500	2,500

Double closure



Mod. TCBZ50A

Code: 3TCBZ50A



Mod. TCBZ50ABS

Code: 3TCBZABS



Mod. TCBZ50C

Code: 3TCBZ50C



Mod. TCBZ50ER

Code: 3TCBZ50R



Mod. TCBZ50H

Code: 3TCBZ50H

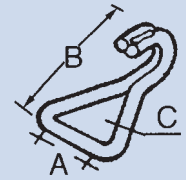
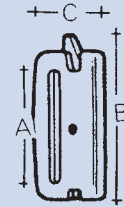
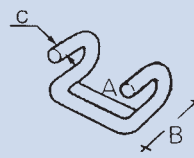
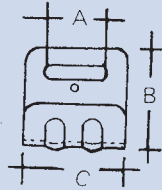
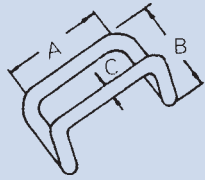
TCBZ50	
(Belt breakage load: 5000 kg). Blue belt.	
1500 dan	☐
3000 dan	☐
3000 dan	☐

TCBZ50	
(Belt breakage load: 6000 kg). Orange belt.	
2000 dan	☐
4000 dan	☐
4000 dan	☐

TCBZ50	
(Belt breakage load: 7500 kg). Yellow belt.	
2500 dan	☐
5000 dan	☐
5000 dan	☐



METAL SOCKET 50 mm BAND



Model	TM501	TM503	TM504	TM505	TM506	TM507	TM509	TM510	TM511
A (mm)	52	52	46	52	52	52	52	52	52
B (mm)	48	60	109	77	48	106	70	128	110
C (mm)	8	12,5	63	30	12,5	12,5	112	155	114
CMU (Kg)	800	2,500	1,100	1,000	2,500	2,500	2,500	2,500	2,000



Mod. TM501

Code: 3TM501



Mod. TM503

Code: 3TM503



Mod. TM504

Code: 3TM504



Mod. TM505

Code: 3TM505



Mod. TM506/TM507

Code: 3TM506



Mod. TM508

Code: 3TM508



Mod. TM509

Code: 3TM509



Mod. TM510

Code: 3TM510



Mod. TM511

Code: 3TM511



TZBZ75

(Belt breakage load: 15000 kg).
Orange belt.

5,000 dan

10,000 dan

10,000 dan

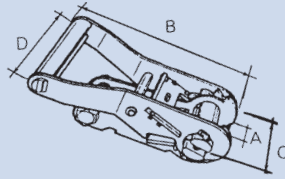
Model TCBZ75

A (mm) 75

B (mm) 325

C (mm) 40

CMU (Kg) 5,000



RATCHET TENSOR 75 mm BAND



Mod. TCBZ75 Code: 3TCBZ75

Model TM751

A (mm) 75

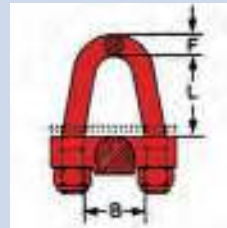
B (mm) 130

C (mm) 40

Code: 3TM756



Mod. TM556



Mod. TMBA

Model DB75

B (mm) 80

L (mm) 85

F (mm) 16

Code: 3TMBA

Model F-DSUB-10-8

E (mm) 12

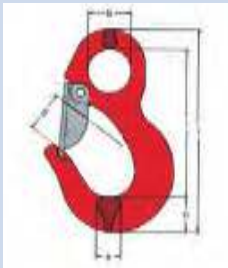
t (mm) 165

l (mm) 216

S (mm) 28

h (mm) 36

Code: 7GSOB00013BEZ



Mod. TMSOB



Mod. TM753

Model CLS-10-8

A (mm) 77

B (mm) 90

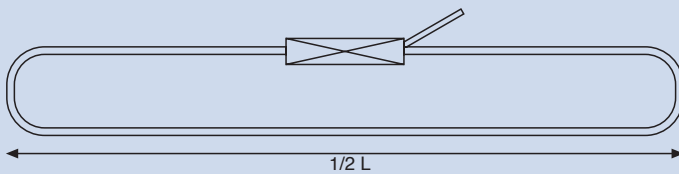
C (mm) 15

Code: 3TM753

PRESSURE TENSORS



Model	TP26	TP39	TP54
A (mm)	26	39	54
B (mm)	50	60	77
C (mm)	32	50	61
CMU (Kg)	125	225	400



TP25

(Belt breakage load: 1400 kg).
Orange belt.

125 dan

250 dan

250 dan

TP35

(Belt breakage load: 3000 kg).
Orange belt.

250 dan

500 dan

500 dan

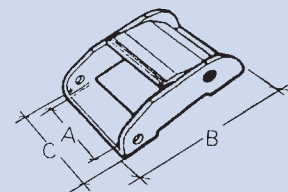
TP50

(Belt breakage load: 5000 kg).
Blue belt.

500 dan

1000 dan

1000 dan



Mod. TP26

Code: 3TP25



Mod. TP39

Code: 3TP35



Mod. TP54

Code: 3TP50



50 mm BAND



TCBZ50	
(Belt breakage load: 5000 kg). Blue belt.	
1500 dan	
3000 dan	
3000 dan	

TCBZ50	
(Belt breakage load: 6000 kg). Orange belt.	
2000 dan	
4000 dan	
4000 dan	

TCBZ50	
(Belt breakage load: 7500 kg). Yellow belt.	
2500 dan	
5000 dan	
5000 dan	

35 mm BAND

TCBZ35	
(Belt breakage load: 3000 kg). Orange belt.	
1000 dan	
2000 dan	
2000 dan	



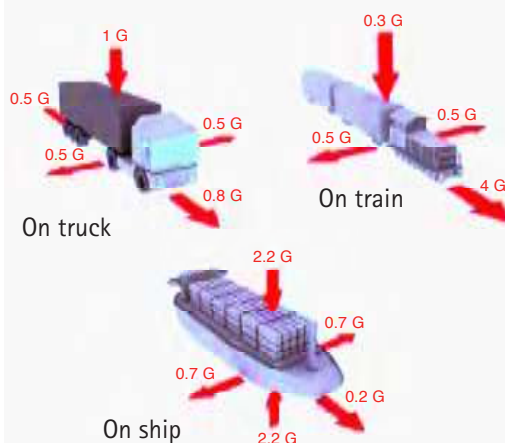
FASTEN WITH COMPLETE SAFETY

Basic fastening rules

Load spreading plan



Load behaviour on moving vehicle



Load fastening methods

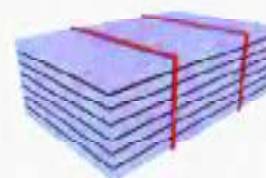
⇒ Oblique or diagonal fastening



⇒ Flat fastening

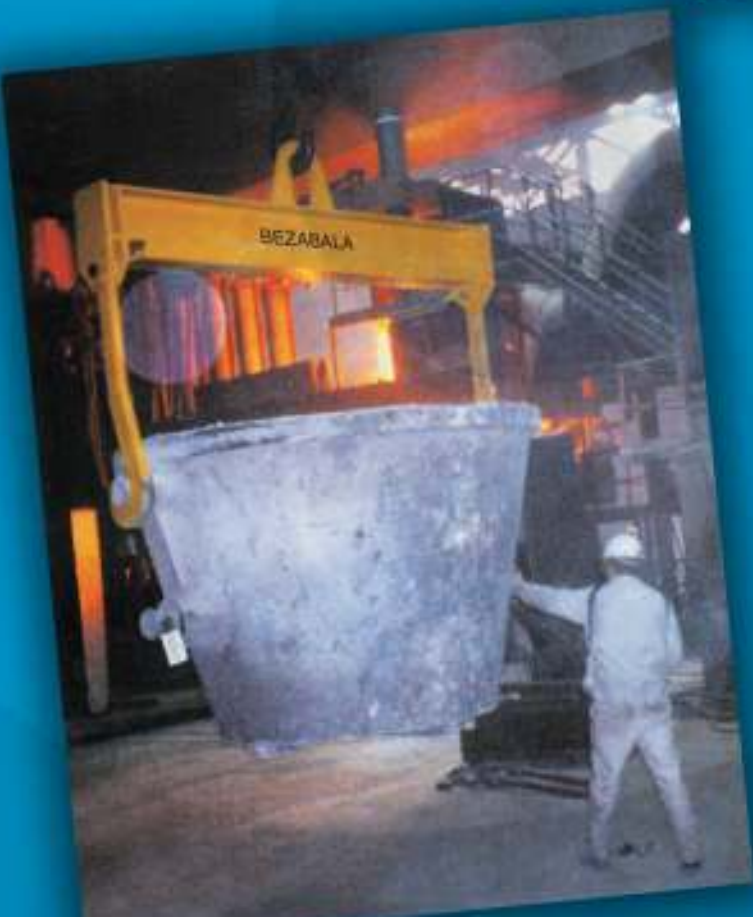


⇒ Belt type fastening





CLAMPS, BEAMS AND MAGNETS





VERTICAL ACTION SHEET LIFTING CLAMPS (CS STANDARD MODEL) Rigid ring



Code	Model	Working load (kg)	Mouth opening (mm)	Weight (kg)	size in (mm)						
					A	B	C	D	E	F	G
8PCS002001BEZ	CS - 1,0	1,000	0 - 20	3.5	55	45	255	125	38	45	15
8PCS003502BEZ	CS - 2,0	2,000	0 - 35	6.5	77	65	340	180	55	54	16
8PCS003503BEZ	CS - 3,0	3,000	0 - 35	7.5	77	65	340	180	55	54	16
8PCS005004BEZ	CS - 4,0	4,000	0 - 50	14.5	85	70	440	230	70	78	20
8PCS005506BEZ	CS - 6,0	6,000	0 - 55	20.0	110	75	480	280	115	80	20
8PCS006009BEZ	CS - 9,0	9,000	0 - 60	24.0	110	75	550	270	95	86	20
8PCS007512BEZ	CS - 12,0	12,000	0 - 75	42.0	125	86	610	390	145	94	44
8PCS007515BEZ	CS - 15,0	15,000	0 - 75	54.0	125	86	610	395	145	100	40



- Eye hook with single movement direction.
- Safety catch to press the camp initially.
- The working load and mouth and dimensions are shown on all clamps.
- The safety factor is 5:1.
- All clamps are tested to twice the working load.
- The hardness of the sheets to be lifted must not exceed HRC 37 (HB 345).

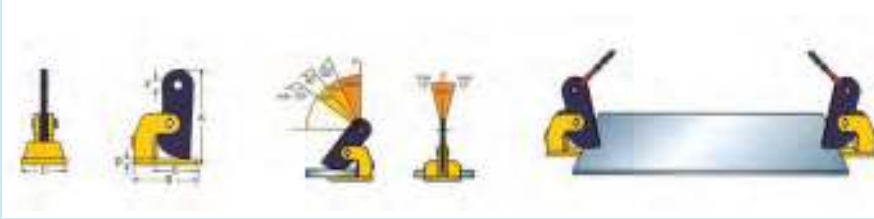
VERTICAL ACTION SHEET LIFTING CLAMPS (CU and PU UNIVERSAL MODELS) Folding ring



Code	Model	Working load (kg)	Mouth opening (mm)	Weight (kg)	size in (mm)						
					A	B	C	D	E	F	G
8PPU001505BEZ	PU - 0,5	500	0 - 15	1.9	44	30	212	109	36	35	10
8PPU002010BEZ	PU - 1,0	1,000	0 - 20	4.8	63	48	295	138	51	51	12
8PPU002520BEZ	PU - 2,0	2,000	0 - 25	6.5	76	70	370	164	56	52	16
8PPU003030BEZ	PU - 3,0	3,000	0 - 30	14.8	85	75	418	193	59	78	20
8PPU005050BEZ	PU - 5,0	5,000	0 - 50	22.5	90	80	450	240	65	88	22
8PCU005506BEZ	CU - 6,0	6,000	0 - 55	23.0	110	80	510	280	115	80	35
8PCU006009BEZ	CU - 9,0	9,000	0 - 60	40.0	110	80	580	280	115	90	35
8PCU007512BEZ	CU - 12,0	12,000	0 - 75	58.0	125	80	630	395	145	100	35
8PCU007515BEZ	CU - 15,0	15,000	0 - 75	62.0	125	80	630	395	145	100	40



- Folding eye hook with single movement direction.
- Safety catch to press the camp initially.
- The working load and mouth and dimensions are shown on all clamps.
- The safety factor is 5:1.
- All clamps are tested to twice the working load.
- The hardness of the sheets to be lifted must not exceed HRC 37 (HB 345).



HORIZONTAL ACTION SHEET LIFTING CLAMPS (CH and PH MODELS)

Code	Model	Working load per pair (kg)	Mouth opening (mm)	Weight por pareja (kg)	size in (mm)			
					A	B	C	F
8PPH002515BEZ	PH - 1,5	1,500	0 - 27	4.8	175	125	50	25
8PPH003030BEZ	PH - 3,0	3,000	0 - 32	7.8	204	157	65	30
8PPH004050BEZ	PH - 5,0	5,000	0 - 52	26.8	310	231	90	40
8PCH006006BEZ	CH - 6,0	6,000	0 - 60	35.0	284	222	90	31
8PCH010006BEZ	CH - 6,0L	6,000	0 - 100	42.0	375	222	90	31
8PCH006008BEZ	CH - 8,0	8,000	0 - 60	40.0	327	225	120	31
8PCH010008BEZ	CH - 8,0L	8,000	0 - 100	47.0	417	225	120	31
8PCH006010BEZ	CH - 10,0	10,000	0 - 60	44.0	332	225	120	31
8PCH010010BEZ	CH - 10,0L	10,000	0 - 100	56.0	450	225	120	45

- These clamps always work in pairs.
- The working load and mouth and dimensions are shown on all clamps.
- The safety factor is 5:1.
- All clamps are tested to twice the working load.
- The hardness of the sheets to be lifted must not exceed HRC 37 (HB 345).



BEAM CLAMPS (CSV [W] MODEL)

Code	Model	Working load (kg)	Mouth opening (mm)	Weight (kg)	size in (mm)				
					A	B	C	D	E
8PSW751901BEZ	CSVW - 1,0	1,000	75 - 190	2.1	opening + 60	175	-	120	-
8PSW751902BEZ	CSVW - 2,0	2,000	75 - 190	2.7	opening + 60	175	-	120	-
8PSW751903BEZ	CSVW - 3,0	3,000	75 - 190	2.7	opening + 60	175	-	180	-
8PSW153004BEZ	CSVW - 4,0	4,000	150 - 300	12.5	opening + 80	325	-	180	-
8PSW153005BEZ	CSVW - 5,0	5,000	150 - 300	12.5	opening + 80	325	-	180	-
8PSV751901BEZ	CSV - 1,0	1,000	75 - 190	3.4	opening + 60	300	75	120	16
8PSV751902BEZ	CSV - 2,0	2,000	75 - 190	4.0	opening + 60	300	75	120	16
8PSV751903BEZ	CSV - 3,0	3,000	75 - 190	4.0	opening + 60	300	75	120	16
8PSV153004BEZ	CSV - 4,0	4,000	150 - 300	15.0	opening + 80	450	80	180	20
8PSV153005BEZ	CSV - 5,0	5,000	150 - 300	15.0	opening + 80	450	80	180	20

- Quick and easy installation with adjustable fixing.
- The working load and mouth and dimensions are shown on all clamps.
- The safety factor is 5:1.
- All clamps are tested to twice the working load.



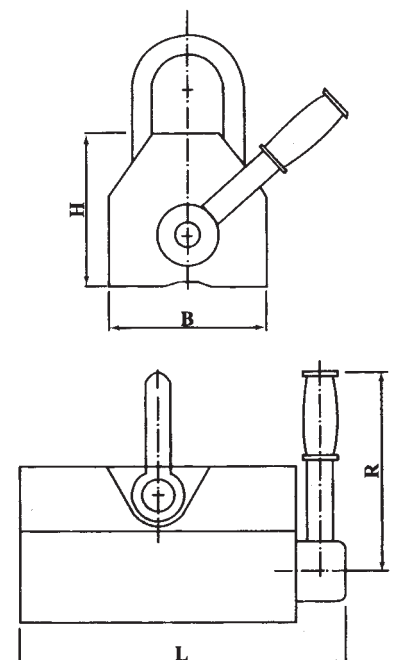


BEZABALA MAGNETS (Ref BZIM)

- The new generation of magnetic materials has the advantage of being more powerful than the old ones with a smaller volume.
- They are lighter, easy to handle and suitable for carrying steel parts without leaving any type of mark.
- Excellent response to air thickness (a flat part may be lifted with complete safety even though the air film is 0.5 mm).
- The lift is enabled or disabled with a simple lever movement.
- Includes a safety device that blocks the lever when lifting a piece to prevent accidental disabling.
- Nickel plated to prevent rust, extending its life.
- Bezabala permanent magnets provide highly concentrated, constant force, unlimited over time.
- Safety factor 3:1.

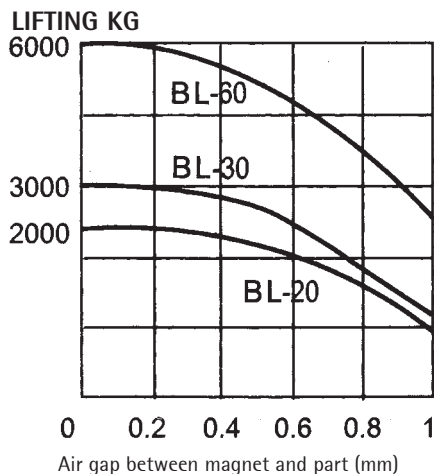
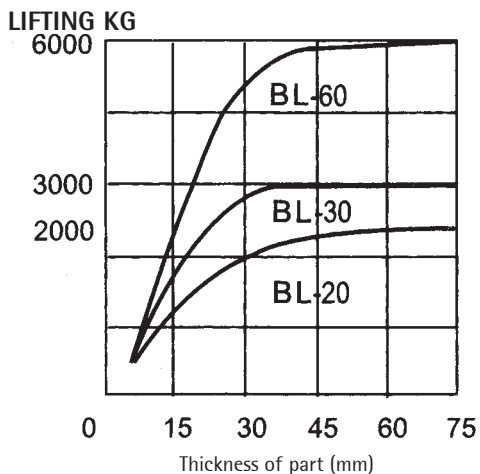
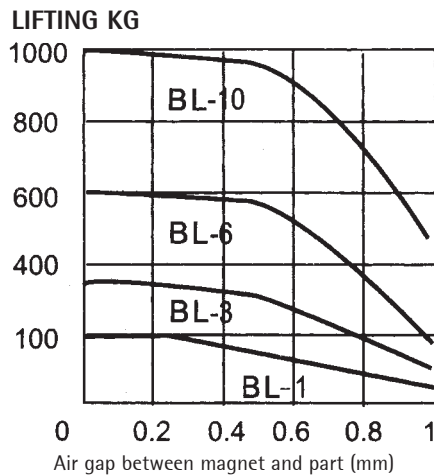
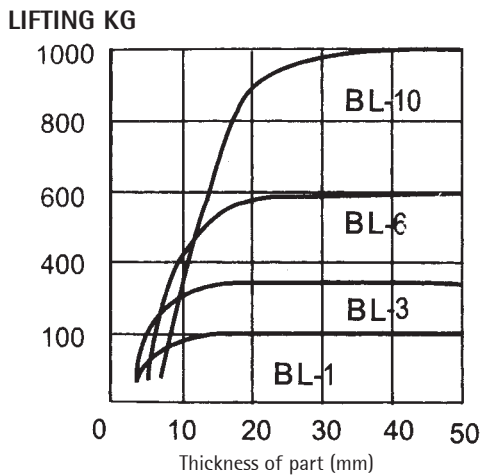


CODE	Lifting capacity KG	Dimensions (mm)				Breaking load kg	Weight kg
		L	B	H	R		
131MA00100BEZ	100	92	62	67	126	350	3
131MA00300BEZ	300	162	92	91	150	1050	10
131MA00600BEZ	600	232	122	117	196	2100	24
131MA01000BEZ	1000	258	176	163	284	3500	50
131MA02000BEZ	2000	378	234	212	426	7000	125
131MA03000BEZ	3000	458	286	264	521	10500	220
131MA06000BEZ	6000	600	430	355	180	21000	420





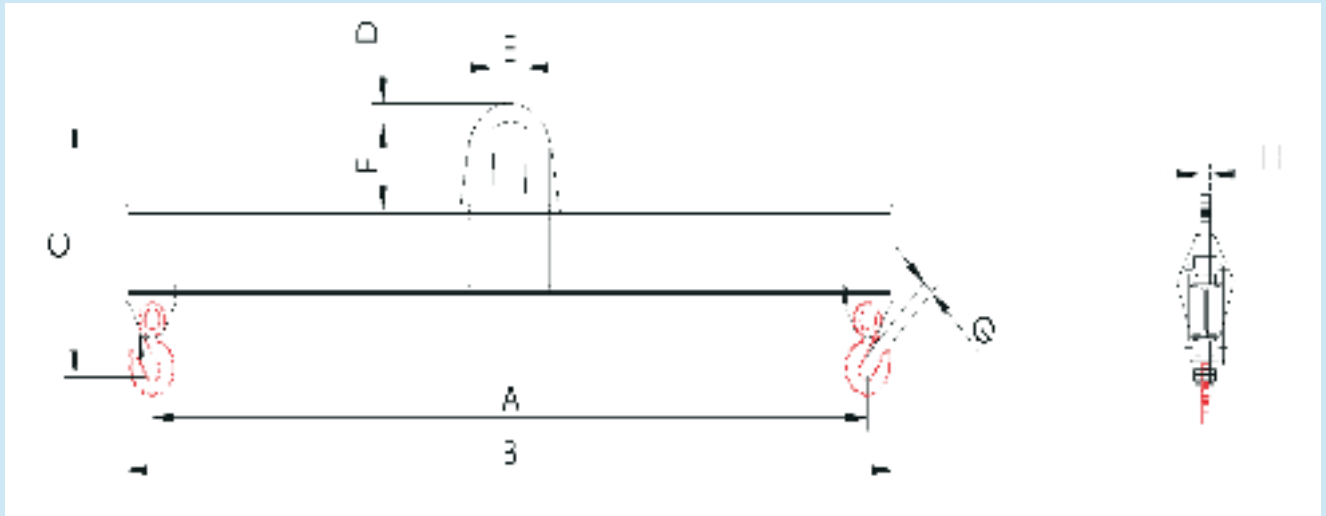
- Can be used to lift pipes and round parts (consult diameters since up to 50% of the nominal load can be lost).
- Ideal for handling parts in boilermakers, foundries, handling moulds, castings, oxy cutting, machine tools and, generally, all industries.
- Scrupulous manufacturing control guarantees compliance with EC regulations.
- Perfect control of magnet balance to guarantee the magnetising process.
- A range of seven models with capacities from 100 kg to 6000 kg, providing advantages by increasing production and reducing times.
- Specially designed for use in small manoeuvring spaces.
- Modern design with high performance, maintenance free and low cost.





BZBF FIXED LOAD BEAM

Code: 17BACNFIJOBEZ



PROPERTIES

BZBF model fixed load beam of rolled profile, for robust work in the widest variety of applications. Free of load bearing welds. The upper fixing is adapted for DIN 15401 single suspensions while the lower ones have eye hooks with safety devices.

Finished with RAL 1007 polyurethane paint. Optionally, can be supplied for DIN 15401 double suspensions and with various fastening formats for the lower part.

Shipped with EC certificates according to current regulations.

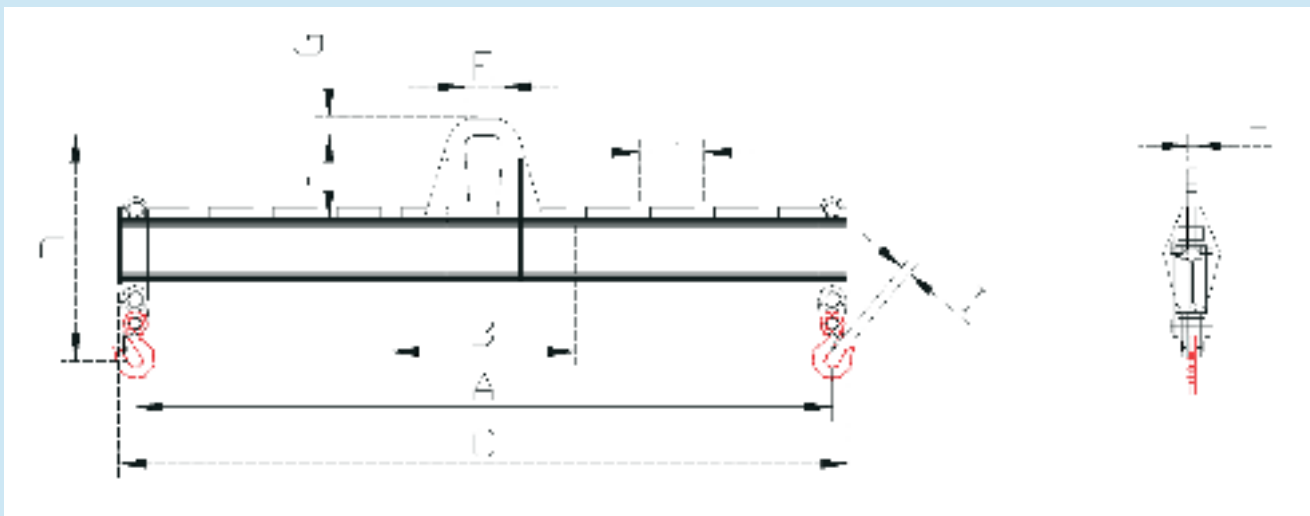
Reference	Capacity	A	B	C	D	E	F	G	H	Aprox. Weight Kg.
1.110.010.010	1	1000	1100	295	15	55	105	20	15	15
1.110.010.016	1	1600	1700	315	15	55	105	20	15	24
1.110.010.025	1	2500	2600	335	15	55	105	20	15	40
1.110.010.031	1	3150	3250	355	15	55	105	20	15	58
1.110.016.016	1,6	1600	1700	350	20	65	120	20	15	30
1.110.016.025	1,6	2500	2600	370	20	65	120	20	15	48
1.110.016.031	1,6	3150	3250	390	20	65	120	20	15	66
1.110.016.040	1,6	4000	4100	410	20	65	120	20	15	100
1.110.025.025	2,5	2500	2630	450	20	75	150	23	20	75
1.110.025.031	2,5	3150	3280	450	20	75	150	23	20	90
1.110.025.040	2,5	4000	4130	470	20	75	150	23	20	125
1.110.025.050	2,5	5000	5130	490	20	75	150	23	20	176
1.110.063.031	6,3	3150	3300	645	40	110	220	33	25	170
1.110.063.040	6,3	4000	4150	665	40	110	220	33	25	231
1.110.063.050	6,3	5000	5150	685	40	110	220	33	25	315
1.110.063.063	6,3	6300	6450	705	40	110	220	33	25	425
1.110.110.031	10	3100	3350	770	50	130	270	40	35	239
1.110.110.040	10	4000	4200	790	50	130	270	40	35	311
1.110.110.050	10	5000	5200	830	50	130	270	40	35	450
1.110.110.063	10	6300	6500	870	50	130	270	40	35	660
1.110.160.040	16	4000	4350	970	70	160	330	52	40	538
1.110.160.050	16	5000	5350	1020	70	160	330	52	40	738
1.110.160.063	16	6300	6650	1020	70	160	330	52	40	900

For further information consult our **Technical Department**



BZBR ADJUSTABLE LOAD BEAM

Code: 17BACNREGLBEZ



CARACTERÍSTICAS

BZBR multiple adjustments load beam of rolled profile, for robust work in the widest variety of applications. Free of load bearing welds. The upper fixing is adapted for DIN 15401 single suspensions while the lower ones have eye hooks with safety devices.

Finished with RAL 1007 polyurethane paint. Optionally, can be supplied for DIN 15401 double suspensions and with various fastening formats for the lower part.

Shipped with EC certificates according to current regulations.

Reference	Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Aprox. Weight Kg.
1.115.010.010	1	1000	500	1100	295	55	105	15	15	20	125																	25
1.115.010.016	1	1600	500	1700	315	55	105	15	15	20	125																	30
1.115.010.025	1	2500	1000	2600	335	55	105	15	15	20	125																	60
1.115.010.031	1	3150	1150	3250	355	55	105	15	15	20	125																	80
1.115.016.016	1,6	1600	500	1700	350	55	120	20	15	20	125																	45
1.115.016.025	1,6	2500	1000	2600	370	55	120	20	15	20	125																	66
1.115.016.031	1,6	3150	1150	3250	390	55	120	20	15	20	125																	87
1.115.016.040	1,6	4000	1000	4100	410	55	120	20	15	20	125																	122
1.115.025.025	2,5	2500	1000	2600	450	75	150	20	20	20	125																	105
1.115.025.031	2,5	3150	1150	3250	460	75	150	20	20	20	125																	120
1.115.025.040	2,5	4000	1000	4100	470	75	150	20	20	20	125																	160
1.115.025.050	2,5	5000	1000	5100	490	75	150	20	20	20	125																	210
1.115.063.051	6,3	3150	1150	3300	645	110	220	40	25	30	125																	210
1.115.063.070	6,3	4000	1000	4150	665	110	220	40	25	30	125																	270
1.115.063.080	6,3	5000	1000	5150	685	110	220	40	25	30	125																	300
1.115.063.083	6,3	6300	1150	6450	705	110	220	40	25	30	125																	470
1.115.110.031	10	3100	1150	3350	770	130	270	50	35	40	125																	320
1.115.110.040	10	4000	1000	4200	790	130	270	50	35	40	125																	400
1.115.110.050	10	5000	1000	5200	830	130	270	50	35	40	125																	540
1.115.110.063	10	6300	1150	6500	870	130	270	50	35	40	125																	760
1.115.160.040	16	4000	1000	4350	970	160	330	70	45	50	125																	670
1.115.160.050	16	5000	1000	5350	1020	160	330	70	45	50	125																	880
1.115.160.063	16	6300	1150	6650	1020	160	330	70	45	50	125																	1100

For further information consult our **Technical Department**

CLAMPS, BEAMS AND MAGNETS



CLAMPS, BEAMS AND MAGNETS



SPECIAL BEAMS
ACCORDING TO THE
CLIENT'S NEEDS



CLAMPS, BEAMS AND MAGNETS



SPECIAL BEAMS
ACCORDING TO THE
CLIENT'S NEEDS



**MANUAL
HOISTS**

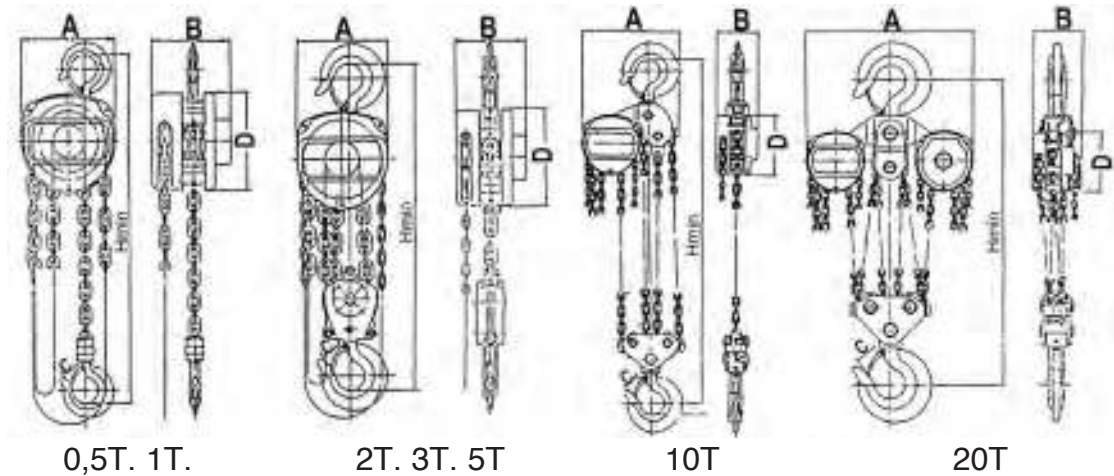
**LIFTING AND
WEIGHTING
DEVICES**





BEZALIFT MANUAL DIFFERENTIAL PULLEYS (Ref BZPD)

(In accordance with community directives 89/392/CEE, 91/368/CEE, 93/44/CEE, and 93/68/CEE.)



- Bezalift differential pulleys are light manual devices, designed for all uses, especially heavy work.
- They are made of steel, making them ideal for outdoor use.
- They are designed to allow the descent speed to be regulated with minimum force on the control chain.
- The upper and lower hooks are made forged steel and mounted on bearings, facilitating and ensuring their rotation through 360° in the worst situations. The hooks are fitted with safety catches.
- The control wheel is covered and the chain slot is machined to allow the chain to be used for control or manoeuvring.
- Because the gears and pinions are hardened (special treatment), they have longer duration and greater reliability.
- Bezalift pulleys are fitted as standard with two rollers and a chain separator that ensures the exact alignment of the load chain on the pulley.
- All Bezalift pulleys are subjected to dynamic testing at 150% of the maximum working load.
- They are small and light for easy handling.
- Bezabala has a maintenance, conservation and repair team in accordance with directives 89/655/CEE, 30/11/1989, and 89/389/CEE.





Specifications:

Model	11BZPDCC00500	11BZPDCC01000	11BZPDCC01500	11BZPDCC12000	11BZPDCC22000	11BZPDCC03000	11BZPDCC05000	11BZPDCC10000	11BZPDCC20000
Load	0.5	1	1.5	2	2	3	5	10	20
Standard lifting	3	3	3	3	3	3	3	3	3
Number of legs	1	1	1	1	2	2	2	4	8
Chain diameter (mm)	6	6	8	8	6	8	10	10	10
Test load (T)	0.75	1.5	2.25	3	3	4.5	7.5	15	30
Minimum height (mm)	280	306	368	444	368	520	616	700	1000
Hook mouth width (mm)	37	45	49	52	52	67	78	60	92
Effort required to lift maximum load (N)	221	304	343	457	390	390	420	392	392
Net weight	7.5	10,5	16	16,2	22	22	36	88	205.5
Gross weight	8	11	16.5	16.7	23	23	37	99	228.5
Packaging dimensions (cm)	24x16.5x14	26x19x15.5	30x24x17	30x24x17	30x22x15.5	30x26x17	42x31x20.5	56x50x25	86x75x31

Galvanised hoist interior

Closed construction
Protects the mechanisms from dirt and damp

Special lubrication
Minimum maintenance

Special hardening treatment for gears

Unmistakable installation system (guides), zero tolerance

Heat treated gears

Automatic friction brake

Load limiter
Limiter adjusted to 125% of nominal load

Made of high-quality steel

Anti-rust finish on chain, grade 80 and galvanised

The wheel is of high-quality steel and completely machined

Gears running on bearings

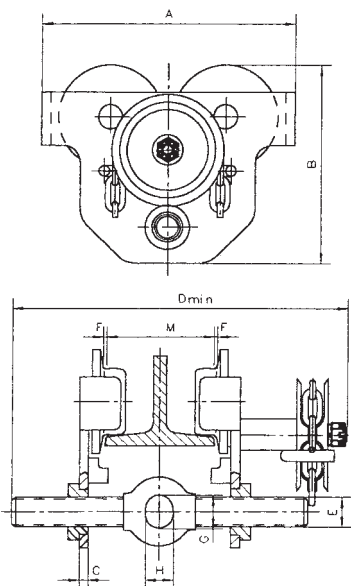
Minimum effort on control chain

Improved for force and wear resistance



BEZABALA PULLEY TROLLEYS (Ref BZCTC/Type A)

- There are two types of pulley trolleys. In type A, movement is chain powered, while in type B it is by thrust.
- All trolleys are adjustable with the opening depending on size.
- The wheels are machined and made of special steel.
- The wheels run on needle roller bearings for greater effectiveness and safety.
- The standard length of type A is 3 m; other lengths are available and must be specified when ordering.



CODE		12BEZCTC00500	12BEZCTC01000	12BEZCTC02000	12BEZCTC03000	12BEZCTC05000
Capacity	Kg	500	1000	2000	3000	5000
Load test	KN	6,13	12,25	24,5	33,75	61,29
Load lifting force needed	N	25	80	150	120	160
Chain length	M	3				
Dimensions mm	A	225	252	300	360	400
	B	177	188	226	290	313
	C	8	10	12	14	16
	D	267,5	289	306	342,5	351
	E	27	30	38	45	52
	H	25	30	40	48	60
	G	30	35	47	58	70
	F	=3				
Beam width	mm	50-220	50-220	66-220	74-220	90-220



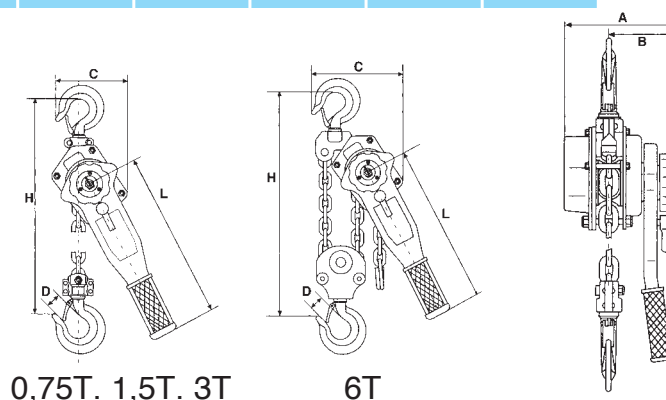
LEVER HOIST (Ref BZDP)

(In accordance with community directives 89/392/CEE, 91/368/CEE, 93/44/CEE, and 93/68/CEE.)



- Hoist designed for lifting and pulling loads while requiring little effort on the lever.
- Compact, robust, specially designed for working in confined spaces. Made of high quality steel to give a light, reliable and safe device.
- Mechanical brake to stop at any point and release when required.
- Rubber-covered lever.
- Hooks of forged steel, heat and wear resistant, with safety catch, rotating through 260° even in the worst conditions.
- All Bezalift hoists are factory tested to 150% of their maximum load.
- Bezabala has a maintenance, conservation and repair team in accordance with directives 89/655/CEE, 30/11/1989, and 89/389/CEE.

CODE		10BEZPPCC0750	10BEZPPCC1500	10BEZPPCC3000	10BEZPPCC6000
Capacity	t	0,75	1,5	3	6
Standar lift	m	1,5	1,5	1,5	1,5
Load test	KN	11,03	22,05	37,50	75
Lost height	H mm	325	380	480	620
Load lifting force needed	N	140	220	320	340
N° of legs		1	1	1	2
Chain diameter	mm	6	8	10	10
Lever length	mm	280	410	410	410
Dimensions mm	A	148	172	200	200
	B	90	98	115	115
	C	136	160	180	235
	D	30	35	40	50
	H	320	380	480	600
	L	280	410	410	410



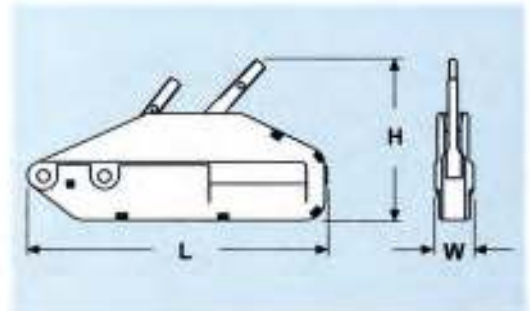


PULLING DEVICES

Bezabala pulling devices are light and strong and can work in any position.

Their design allows the cable to be inserted and removed very easily. The levers have self-closing mechanisms that allow the cable to be pulled with total safety for greater tension and grip.

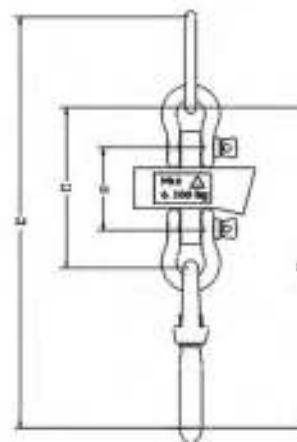
Operation is simple. They are designed to work in the toughest conditions.



	800 Kg	1600 Kg	3200 Kg
CODE	14BIZOR00800Y	14BIZOR01600Y	14BIZOR03200Y
CMU	0.8	1.6	3.2
Force (N)	284	412	441
Cable Ø	8.3	11	16
Net weight	6.4	12.4	23.3
Dimensions L x W x H	440x70x255	560x100x295	675x120x350



BZBP ELECTRONIC SCALES



Code	Capacity (kg)	Step (kg)	Dimensions (mm)				Total weight (kg)	
			L1	L2	L3	L4	Sin acc.	Con acc.
15BEZGEP00500	BZBP-500	0.2	134	244	504	379	3.5	5.2
15BEZGEP01000	BZBP-1000	0.5	134	244	549	399	3.5	6.2
15BEZGEP02000	BZBP-2000	1	134	244	549	399	3.5	6.2
15BEZGEP03200	BZBP-3200	1	146	336	706	526	4.5	8.2
15BEZGEP05000	BZBP-5000	2	160	350	720	540	5.9	10.5
15BEZGEP06300	BZBP-6300	2	160	350	720	594	5.9	16.5
15BEZGEP10000	BZBP-10000	5	174	449	949	724	7.2	24

BZBP electronic scales

General:

- The BZBP scales are designed to hang from the hook of a gantry crane, jib crane, self-propelled crane, tower crane, etc, with which they are to work.
- This equipment is suitable for checking product receipts and dispatches, store control, stock control, etc.
- The BZBP has various options such as the inclusion of an infrared remote control, 24-hour batteries service, protection for working in foundries with high temperatures, RS-232C output, RS-485 output, peak maximum indicator, etc.

Properties:

- Digits: 5 LCD 1" (1" LED optional)
- Working temperature: -20° C +60° C
- Functions: on/off, zero, rating, sum, total and delete (by remote control)
- Protection: IP 55 (IP 65 optional)
- Power supply: 8,4 V DC



Infrared remote control



Battery



Charger



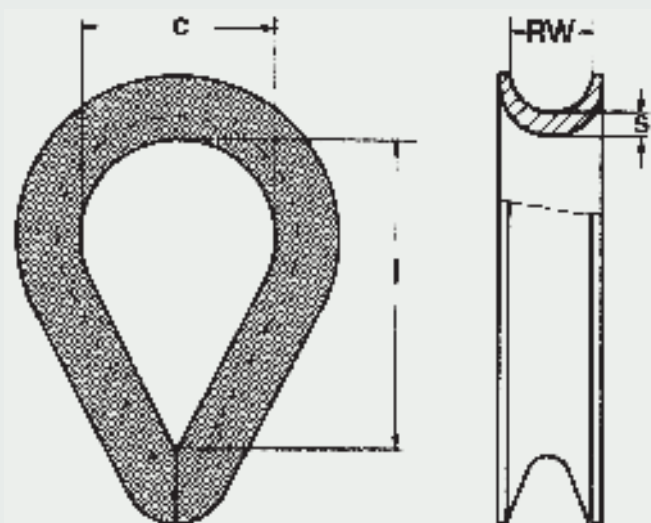
ACCESSORIES





THIMBLES AS PER DIN 6899 BF

- Galvanised.



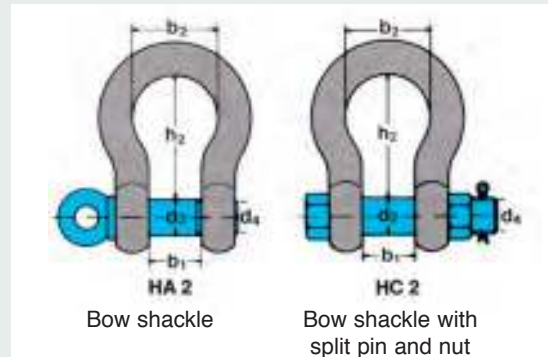
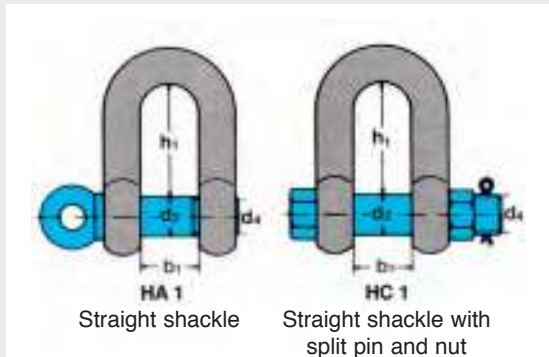
Code	RW (mm)	C (mm)	l (mm)	s (mm)
2GGALV0003BEZ	3	12	19	1.2
2GGALV0004BEZ	4	13	21	1.2
2GGALV0005BEZ	5	14	23	1.7
2GGALV0006BEZ	6	16	25	2.2
2GGALV0007BEZ	7	18	28	2.2
2GGALV0008BEZ	8	20	32	2.7
2GGALV0010BEZ	10	24	38	2.9
2GGALV0012BEZ	12	28	45	3.2
2GGALV0014BEZ	14	32	51	3.5
2GGALV0016BEZ	16	36	58	3.8
2GGALV0018BEZ	18	40	64	4.2
2GGALV0020BEZ	20	45	72	5.2
2GGALV0022BEZ	22	50	80	5.2
2GGALV0024BEZ	24	56	90	6.2
2GGALV0026BEZ	26	62	99	6.5
2GGALV0028BEZ	28	70	112	7.3
2GGALV0030BEZ	30	75	120	8.0
2GGALV0032BEZ	32	80	128	8.0
2GGALV0034BEZ	34	95	152	8.0
2GGALV0036BEZ	36	100	160	8.0
2GGALV0038BEZ	38	110	176	8.5
2GGALV0040BEZ	40	115	184	10.5
2GGALV0042BEZ	42	120	192	10.5
2GGALV0045BEZ	45	150	240	10.5
2GGALV0050BEZ	50	160	245	12.0
2GGALV0060BEZ	60	170	260	12.0
2GGALV0065BEZ	65	180	300	13.0
2GGALV0075BEZ	75	200	330	15.0



HIGH-STRENGTH SHACKLES

- Galvanised with varnished bolt.
- Marked with working load and measurement.

- As per EN 13889 standard and US Federal specification.
- Safety factor 6:1
- From 85 tonnes, 4:1



Nominal measurement	Code HA-1 Straight C/P	Code HA-2 Bow C/P	Code HC-1 Straight T/P	Code HC-2 Bow T/P
1/4	6GARRCP014BEZ	6GARLCP014BEZ	6GAR RTP014BEZ	6GARLTP014BEZ
5/16	6GARRCP516BEZ	6GARLCP516BEZ	6GAR RTP516BEZ	6GARLTP516BEZ
3/8	6GARRCP038BEZ	6GARLCP038BEZ	6GAR RTP038BEZ	6GARLTP038BEZ
7/16	6GARRCP716BEZ	6GARLCP716BEZ	6GAR RTP716BEZ	6GARLTP716BEZ
1/2	6GARRCP012BEZ	6GARLCP012BEZ	6GAR RTP012BEZ	6GARLTP012BEZ
5/8	6GARRCP058BEZ	6GARLCP058BEZ	6GAR RTP058BEZ	6GARLTP058BEZ
3/4	6GARRCP034BEZ	6GARLCP034BEZ	6GAR RTP034BEZ	6GARLTP034BEZ
7/8	6GARRCP078BEZ	6GARLCP078BEZ	6GAR RTP078BEZ	6GARLTP078BEZ
1	6GARRCP100BEZ	6GARLCP100BEZ	6GAR RTP100BEZ	6GARLTP100BEZ
1 1/8	6GARRCP118BEZ	6GARLCP118BEZ	6GAR RTP118BEZ	6GARLTP118BEZ
1 1/4	6GARRCP114BEZ	6GARLCP114BEZ	6GAR RTP114BEZ	6GARLTP114BEZ
1 3/8	6GARRCP138BEZ	6GARLCP138BEZ	6GAR RTP138BEZ	6GARLTP138BEZ
1 1/2	6GARRCP112BEZ	6GARLCP112BEZ	6GAR RTP112BEZ	6GARLTP112BEZ
1 3/4	6GARRCP134BEZ	6GARLCP134BEZ	6GAR RTP134BEZ	6GARLTP134BEZ
2	6GARRCP200BEZ	6GARLCP200BEZ	6GAR RTP200BEZ	6GARLTP200BEZ
2 1/2	6GARRCP212BEZ	6GARLCP212BEZ	6GAR RTP212BEZ	6GARLTP212BEZ
3	6GARRCP300BEZ	6GARLCP300BEZ	6GAR RTP300BEZ	6GARLTP300BEZ
3 1/2	6GARRCP312BEZ	6GARLCP312BEZ	6GAR RTP312BEZ	6GARLTP312BEZ
4	6GARRCP400BEZ	6GARLCP400BEZ	6GAR RTP400BEZ	6GARLTP400BEZ
4 3/8	6GARRCP438BEZ	6GARLCP438BEZ	6GAR RTP438BEZ	6GARLTP438BEZ

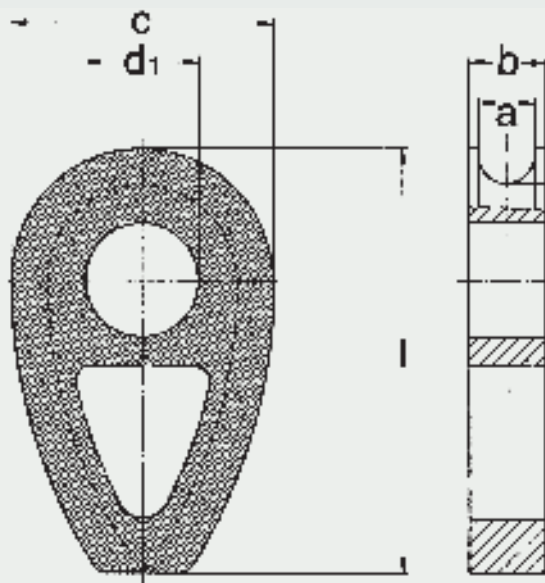


Nominal measurement	Working load limit (kg)	d1 mm	d2 mm	d3 mm	d4 pulg.	b1 mm	b2 mm	h1 mm	h2 mm	Weight kg/piece			
										HC1	HA1	HA2	HC2
1/4	500	6.5	8	17	5/16	12	20	-	28	-	-	0.05	-
5/16	750	8.0	10	21	3/8	13	21	26	31	-	0.08	0.08	-
3/8	1,000	10.0	11	25	7/16	16	26	31	36	-	0.13	0.14	-
7/16	1,500	11.0	13	27	1/2	18	29	36	42	-	0.19	0.22	-
1/2	2,000	13.0	16	30	5/8	21	33	41	48	0.34	0.31	0.33	0.37
5/8	3,250	16.0	19	40	3/4	27	43	51	60	0.70	0.55	0.65	0.71
3/4	4,750	19.0	22	48	7/8	32	51	60	71	1.18	0.96	0.97	1.27
7/8	6,500	22.0	25	54	1	36	58	71	84	1.64	1.40	1.52	1.78
1	8,500	25.0	29	60	1 1/8	43	68	81	95	2.41	2.03	2.39	2.52
1 1/8	9,500	29.0	32	67	1 1/4	46	74	90	108	3.27	2.97	3.15	3.53
1 1/4	12,000	32.0	35	76	1 3/8	52	82	100	119	4.59	4.01	4.32	5.04
1 3/8	13,500	35.0	38	84	1 1/2	57	92	113	133	6.00	5.40	5.67	6.84
1 1/2	17,000	38.0	41	92	1 5/8	60	98	124	146	8.33	7.29	7.79	8.78
1 3/4	25,000	44.0	51	110	2	73	127	146	178	12.83	11.25	12.51	14.09
2	35,000	51.0	57	127	2 1/4	83	146	171	197	18.50	16.20	18.50	20.84
2 1/2	55,000	63.0	70	152	2 3/4	105	184	203	267	38.03	33.30	37.58	42.30
3	85,000	76.0	82	165	3 1/4	127	200	216	330	55.35	-	-	65.25
3 1/2	120,000	89.0	95	203	3 3/4	146	230	267	381	98.10	-	-	112.50
4	150,000	102.0	108	229	4 1/4	165	260	305	432	139.50	-	-	161.50
4 3/8	175,000	111.0	130	262	5 1/8	184	290	-	464	-	-	-	236.25

Bezabala reserves the right to alter these measurements and indications.



THIMBLES AS PER DIN 3091

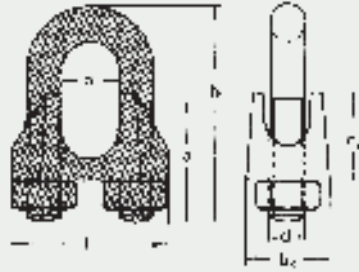


Code	Nominal size máx. Ø	a mm	b mm	d1xca mm	d1 mm	c mm	l mm	Weight Kg/piece
2VIGOT0800BEZ	8	9	15.0	14	20	40	66	0.181
2VIGOT1000BEZ	10	11	17.5	18	25	50	82	0.318
2VIGOT1200BEZ	12	13	20.0	21	30	60	98	0.515
2VIGOT1400BEZ	14	16	23.5	25	35	70	114	0.799
2VIGOT1600BEZ	16	18	26.0	28	40	80	130	0.895
2VIGOT1800BEZ	18	20	28.5	31	45	90	145	1.211
2VIGOT2000BEZ	20	22	31.0	35	50	100	161	1.610
2VIGOT2200BEZ	22	24	33.5	38	55	110	177	2.110
2VIGOT2400BEZ	24	26	36.0	41	60	120	193	2.710
2VIGOT2600BEZ	26	29	39.5	44	65	130	209	3.550
2VIGOT2800BEZ	28	31	42.0	47	70	140	224	4.200
2VIGOT3200BEZ	32	35	47.0	53	80	160	256	6.300
2VIGOT3600BEZ	36	40	53.0	59	90	180	288	8.840
2VIGOT4000BEZ	40	44	58.0	65	100	200	320	11.000
2VIGOT4400BEZ	44	48	63.0	70	110	220	352	15.000
2VIGOT4800BEZ	48	53	69.0	76	120	240	384	20.000
2VIGOT5200BEZ	52	57	74.0	81	130	260	416	25.000
2VIGOT5600BEZ	56	62	80.0	86	140	280	448	32.000
2VIGOT6400BEZ	64	70	90.0	95	160	320	512	46.000
2VIGOT7200BEZ	72	79	101.0	104	180	360	576	66.000
2VIGOT8000BEZ	80	88	112.0	112	200	400	640	90.000



ROPE CLIPS
SIMILAR TO DIN 741

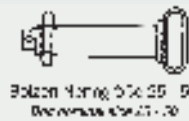
- Galvanised.



Code	Nominal size max. Ø	Max cable Ø mm	a mm	b1 mm	b2 mm	d mm	h1 mm	h2 mm	l mm
2SD7410003BEZ	1/8	3.0	12	4	10	M 4	20	10	21
2SD7410005BEZ	3/16	5.0	13	6	11	M 5	24	10	23
2SD7410065BEZ	1/4	6.5	15	8	12	M 5	28	11	26
2SD7410008BEZ	5/16	8.0	19	9	14	M 6	34	15	30
2SD7410010BEZ	3/8	10.0	22	11	18	M 8	42	17	34
2SD7410011BEZ	7/16	11.0	22	12	19	M 8	44	18	36
2SD7410013BEZ	1/2	13.0	30	14	23	M10	55	21	42
2SD7410014BEZ	9/16	14.0	30	15	23	M10	57	22	44
2SD7410016BEZ	5/8	16.0	33	17	26	M12	63	26	50
2SD7410019BEZ	3/4	19.0	38	20	29	M12	75	30	54
2SD7410022BEZ	7/8	22.0	44	23	33	M14	85	34	61
2SD7410026BEZ	1	26.0	45	27	35	M16	95	37	65
2SD7410030BEZ	1 1/8	30.0	50	32	37	M16	110	43	74
2SD7410034BEZ	1 1/4	34.0	55	36	42	M16	120	50	80
2SD7410040BEZ	1 1/2	40.0	60	42	45	M16	140	55	88
2SD7410045BEZ	1 3/4	45.0	65	47	49	M18	165	65	112
2SD7410050BEZ	2	50.0	67	54	51	M18	170	67	121

OPEN CONICAL SOCKET
DIN 83313

- Type B with bolt.
- Type C with bolt, split pin and nut.

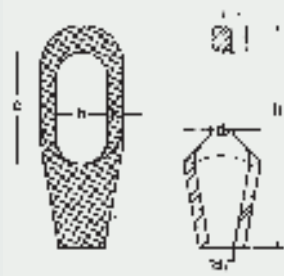


Code	cable Ø mm	Working load limit kg	b1 mm	b2 mm	c mm	d1 mm	d3 mm	d4 mm	e mm	h mm	Weight Kg/piece	
											B	C
2TCADI1012BEZ	10-12	1,000	30	21	8	14	M 16	16	47	122	0.5	0.6
2TCADI1214BEZ	12-14	1,600	37	27	12	17	M 20	20	55	147	0.9	1.1
2TCADI1418BEZ	14-18	2,500	45	33	14	20	M 24	24	67	175	1.4	1.8
2TCADI1620BEZ	16-20	3,150	50	38	16	22	M 27	27	73	195	1.8	2.4
2TCADI1822BEZ	18-22	4,000	54	42	18	24	M 30	30	81	212	2.4	3.2
2TCADI2024BEZ	20-24	5,000	60	47	20	27	M 36	36	88	237	3.7	5.0
2TCADI2224BEZ	22-28	6,300	67	53	23	30	M 39	39	94	262	5.0	6.7
2TCADI2630BEZ	26-30	8,000	73	60	26	33	M 45	45	104	289	7.0	9.5
2TCADI2834BEZ	28-34	10,000	80	66	29	36	M 48	48	116	320	10.0	13.0
2TCADI3238BEZ	32-38	12,500	89	73	32	40	M 52	52	130	356	13.0	17.0
2TCADI3644BEZ	36-44	16,000	100	81	35	45	M 60	60	143	397	18.0	24.0
2TCADI4050BEZ	40-50	20,000	110	90	40	50	M 68	68	157	435	23.0	31.0
2TCADI4454BEZ	44-54	25,000	120	100	43	55	M 72x6	72	179	480	31.0	41.0
2TCADI5062BEZ	50-62	31,500	132	110	48	60	M 80X6	80	191	525	42.0	55.0
2TCADI5872BEZ	58-72	40,000	150	125	54	68	M 90x6	90	218	595	60.0	80.0
2TCADI6276BEZ	62-76	50,000	165	140	60	75	M 100x6	100	238	655	80.0	105.0

Bezabala reserves the right to alter these measurements and indications.

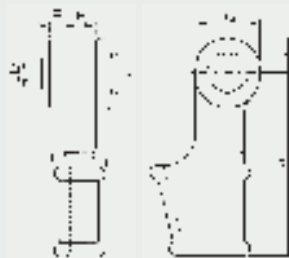


CLOSED CONICAL SOCKET DIN 83313



Code	cable Ø mm	Working load limit kg	b mm	c mm	d1 mm	d2 mm	e mm	f mm	h mm	i mm	Weight kg/piece
2TCCDI1214BEZ	12-14	1,600	37	12	17	55	76	19	155	15	0.7
2TCCDI1418BEZ	14-18	2,500	45	14	20	62	89	24	182	19	1.2
2TCCDI1620BEZ	16-20	3,150	50	16	22	69	98	26	202	21	1.5
2TCCDI1820BEZ	18-22	4,000	54	18	24	76	106	30	220	24	2.0
2TCCDI2024BEZ	20-24	5,000	60	20	27	85	117	34	245	27	3.1
2TCCDI2228BEZ	22-28	6,300	67	23	30	94	131	38	275	30	4.2
2TCCDI2630BEZ	26-30	8,000	73	26	33	103	143	42	300	33	5.8
2TCCDI2834BEZ	28-34	10,000	80	29	36	112	160	45	330	36	8.0
2TCCDI3238BEZ	32-38	12,500	89	32	40	125	179	51	370	41	11.0
2TCCDI3644BEZ	36-44	16,000	100	35	45	140	200	56	415	46	15.0
2TCCDI4050BEZ	40-50	20,000	110	40	50	156	224	62	460	50	20.0
2TCCDI4454BEZ	44-54	25,000	120	43	55	173	246	69	505	55	27.0
2TCCDI5062BEZ	50-62	31,500	132	48	60	188	270	76	555	61	35.0
2TCCDI5872BEZ	58-72	40,000	150	54	68	212	308	85	630	68	50.0
2TCCDI6276BEZ	62-76	50,000	165	60	75	235	339	94	695	75	67.0

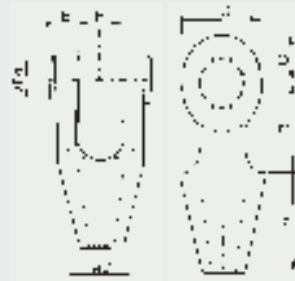
HIGH STRENGTH WEDGE SOCKET STEEL ALLOY



Code	Min. breakage load Tn	cable Ø mm	inches	A	C	ØD	E	F	G	Weight Kg/piece
2TCUÑA0708BEZ	6.3	7-8	5/16	110	19	16.0	9	18.0	36	0.8
2TCUÑA0910BEZ	10.0	9-10	3/8	142	29	20.6	11	20.5	50	1.7
2TCUÑA1113BEZ	16.0	11-13	1/2	146	29	25.0	12	25.0	57	2.1
2TCUÑA1416BEZ	25.0	14-16	5/8	176	35	30.0	15	31.0	65	4.0
2TCUÑA1819BEZ	31.5	18-19	3/4	212	40	35.0	16	38.0	80	7.0
2TCUÑA2022BEZ	40.0	20-22	7/8	240	48	41.0	19	44.0	95	10.0
2TCUÑA2426BEZ	63.0	24-26	1	274	55	51.0	22	51.0	110	15.0
2TCUÑA2729BEZ	80.0	27-29	1 1/8	310	65	57.0	25	57.0	130	21.0
2TCUÑA3032BEZ	100.0	30-32	1 1/4	350	73	64.0	28	63.0	146	31.0
2TCUÑA3436BEZ	100.0	34-36	1 3/8	400	74	64.0	28	69.0	148	37.0
2TCUÑA3739BEZ	125.0	37-39	1 1/2	450	80	70.0	30	76.0	143	51.0
2TCUÑA4042BEZ	160.0	40-42	1 5/8	500	87	76.0	33	76.0	160	64.0
2TCUÑA4348BEZ	200.0	43-48	1 3/4-1 7/8	550	100	89.0	39	89.0	186	96.0
2TCUÑA4952BEZ	250.0	49-52	2	640	105	95.0	46	101.0	194	130.0
2TCUÑA5458BEZ	320.0	54-58	2 1/4	660	125	108.0	54	114.0	230	180.0
2TCUÑA6068BEZ	400.0	60-68	2 1/2	835	135	121.0	60	127.0	250	275.0
2TCUÑA7276BEZ	450.0	72-76	3	1,000	150	133.0	76	146.0	270	440.0
2TCUÑA8186BEZ	500.0	81-86	3 1/4-3 3/8	1,100	152	140.0	79	159.0	300	510.0



**OPEN CONICAL SOCKET
STEEL ALLOY**



Code	Min. breakage load Tn	mm	cable Ø inches	A	B	C	ØD	ØD1	E	F	G	Weight Kg/piece
2TCAAA1819BEZ	40	18-19	3/4	89	76	40	21	35	16	38	70	3.2
2TCAAA2022BEZ	50	20-22	7/8	101	89	45	24	41	19	44	80	4.6
2TCAAA2326BEZ	63	23-26	1	114	101	60	28	51	22	51	104	8.0
2TCAAA2730BEZ	80	27-30	1 1/8	127	114	65	32	57	25	57	114	11.0
2TCAAA3136BEZ	100	31-36	1 1/4-1 3/8	139	127	72	38	63	28	63	126	16.0
2TCAAA3739BEZ	125	37-39	1 1/2	152	162	80	41	70	30	76	142	23.0
2TCAAA4042BEZ	160	40-42	1 5/8	165	165	88	44	76	33	76	152	27.0
2TCAAA4348BEZ	200	43-48	1 3/4-1 7/8	190	178	100	51	89	39	89	176	41.0
2TCAAA4954BEZ	250	49-54	2-2 1/8	216	228	108	57	95	46	101	194	58.0
2TCAAA5560BEZ	320	55-60	2 1/4-2 3/8	228	250	120	63	108	53	113	210	85.0
2TCAAA6168BEZ	400	61-68	2 1/2-2 5/8	248	273	133	73	121	60	127	236	118.0
2TCAAA6975BEZ	450	69-75	2 3/4-2 7/8	279	279	138	79	127	73	133	240	155.0
2TCAAA7680BEZ	500	76-80	3-3 1/8	305	286	146	86	133	76	146	252	173.0
2TCAAA8186BEZ	600	81-86	3 1/4-3 3/8	330	298	160	92	140	79	159	290	230.0
2TCAAA8793BEZ	700	87-93	3 1/2-3 5/8	356	318	178	99	152	83	171	320	265.0
2TCAAA9402BEZ	800	94-102	3 3/4-4	381	343	190	108	178	89	191	350	370.0
2TCAAA0815BEZ	1,000	108-115	4 1/4-4 1/2	450	480	215	125	195	100	205	400	525.0
2TCAAA2030BEZ	1,200	120-130	4 3/4-5	500	500	280	138	250	110	225	560	900.0

**CLOSED CONICAL SOCKET
STEEL ALLOY**



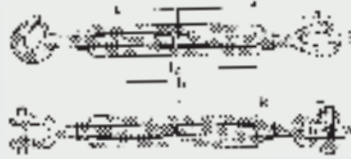
Código	Min. breakage load Tn	mm	cable Ø inches	A	B	C	ØD	E	F	G	Weight Kg/piece
2TCCAA1819BEZ	40	18-19	3/4	89	78	27	21	42	76	32	2.1
2TCCAA2022BEZ	50	20-22	7/8	101	90	33	24	47	92	38	3.6
2TCCAA2326BEZ	63	23-26	1	114	103	36	28	57	104	44	5.3
2TCCAA2730BEZ	80	27-30	1 1/8	127	116	39	32	63	114	51	7.0
2TCCAA3136BEZ	100	31-36	1 1/4-1 3/8	139	130	43	38	70	127	57	9.7
2TCCAA3739BEZ	125	37-39	1 1/2	152	155	51	41	79	136	63	13.0
2TCCAA4042BEZ	160	40-42	1 5/8	165	171	54	44	83	146	70	17.0
2TCCAA4348BEZ	200	43-48	1 3/4-1 7/8	190	198	55	51	93	171	76	26.0
2TCCAA4954BEZ	250	49-54	2-2 1/8	216	224	62	57	100	193	82	37.5
2TCCAA5560BEZ	320	55-60	2 1/4-2 3/8	228	247	73	63	112	216	92	50.0
2TCCAA6168BEZ	400	61-68	2 1/2-2 5/8	248	270	79	73	140	241	102	65.0
2TCCAA6975BEZ	450	69-75	2 3/4-2 7/8	279	286	79	79	159	273	124	94.0
2TCCAA7680BEZ	500	76-80	3-3 1/8	305	298	83	86	171	292	133	110.0
2TCCAA8186BEZ	600	81-86	3 1/4-3 3/8	330	311	102	92	184	311	146	145.0
2TCCAA8793BEZ	700	87-93	3 1/2-3 5/8	356	330	102	99	197	330	159	168.0
2TCCAA9402BEZ	800	94-102	3 3/4-4	381	356	108	108	216	362	178	210.0
2TCCAA0815BEZ	1,000	108-115	4 1/4-4 1/2	450	425	125	125	235	405	190	330.0
2TCCAA2030BEZ	1,200	120-130	4 3/4-5	500	475	135	138	260	515	210	550.0

Bezabala reserves the right to alter these measurements and indications.



TENSORS AS PER US FEDERAL SPECIFICATION

• Galvanised.



Measurement	2 forks	2 hooks	2 eyes	fork/eye	hook/eye
3/8 x 6	9ANHH03806BEZ	9ANGG03806BEZ	9AN0003806BEZ	9ANHO03806BEZ	9ANGO03806BEZ
1/2 x 6	9ANHH01206BEZ	9ANGG01206BEZ	9AN0001206BEZ	9ANHO01206BEZ	9ANGO01206BEZ
1/2 x 9	9ANHH01209BEZ	9ANGG01209BEZ	9AN0001209BEZ	9ANHO01209BEZ	9ANGO01209BEZ
1/2 x 12	9ANHH01212BEZ	9ANGG01212BEZ	9AN0001212BEZ	9ANHO01212BEZ	9ANGO01212BEZ
5/8 x 6	9ANHH05806BEZ	9ANGG05806BEZ	9AN0005806BEZ	9ANHO05806BEZ	9ANGO05806BEZ
5/8 x 9	9ANHH05809BEZ	9ANGG05809BEZ	9AN0005809BEZ	9ANHO05809BEZ	9ANGO05809BEZ
5/8 x 12	9ANHH05812BEZ	9ANGG05812BEZ	9AN0005812BEZ	9ANHO05812BEZ	9ANGO05812BEZ
5/8 x 18	9ANHH05818BEZ				
3/4 x 6	9ANHH03406BEZ	9ANGG03406BEZ	9AN0003406BEZ	9ANHO03406BEZ	9ANGO03406BEZ
3/4 x 9	9ANHH03409BEZ	9ANGG03409BEZ	9AN0003409BEZ	9ANHO03409BEZ	9ANGO03409BEZ
3/4 x 12	9ANHH03412BEZ	9ANGG03412BEZ	9AN0003412BEZ	9ANHO03412BEZ	9ANGO03412BEZ
3/4 x 18	9ANHH03418BEZ	9ANGG03418BEZ	9AN0003418BEZ	9ANHO03418BEZ	9ANGO03418BEZ
7/8 x 12	9ANHH07812BEZ	9ANGG07812BEZ	9AN0007812BEZ	9ANHO07812BEZ	9ANGO07812BEZ
7/8 x 18	9ANHH07818BEZ	9ANGG07818BEZ	9AN0007818BEZ	9ANHO07818BEZ	9ANGO07818BEZ
1 x 12	9ANHH00112BEZ	9ANGG00112BEZ	9AN0000112BEZ	9ANHO00112BEZ	9ANGO00112BEZ
1 x 18	9ANHH00118BEZ	9ANGG00118BEZ	9AN0000118BEZ	9ANHO00118BEZ	9ANGO00118BEZ
1 1/4 x 12	9ANHH11412BEZ		9AN0011412BEZ	9ANHO11412BEZ	
1 1/4 x 18	9ANHH11418BEZ		9AN0011418BEZ	9ANHO11418BEZ	
1 1/4 x 24	9ANHH11424BEZ		9AN0011424BEZ	9ANHO11424BEZ	
1 1/2 x 12	9ANHH11212BEZ		9AN0011212BEZ	9ANHO11212BEZ	
1 1/2 x 18	9ANHH11218BEZ		9AN0011218BEZ	9ANHO11218BEZ	
1 1/2 x 24	9ANHH11224BEZ		9AN0011224BEZ	9ANHO11224BEZ	
1 3/4 x 18	9ANHH13418BEZ				
1 3/4 x 24	9ANHH13424BEZ		9AN0013424BEZ	9ANHO13424BEZ	
2 x 24	9ANHH00224BEZ		9AN0000224BEZ	9ANHO00224BEZ	
2 1/2 x 24	9ANHH21224BEZ				

Nominal size	Working load limit (kg)		l1 l2 m e a b f w h g k											Weight kg/piece			
	2 eyes	2 hooks	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inc.	mm	2 eyes	Fork+eye
	Eye+fork	hook+eye												2 hooks			
	2 forks													Hook+eye			
3/8 x 6	540	450	180	152	12	129	28	13	137	12	22	5/16	137	0.39	0.42	0.45	
1/2 x 6	1,000	680	190	152	15	147	36	18	153	16	27	3/8	147	0.67	0.72	0.76	
1/2 x 9	1,000	680	266	228	15	187	36	18	193	16	27	3/8	187	0.84	0.89	0.93	
1/2 x 12	1,000	680	342	304	15	222	36	18	228	16	27	3/8	222	1.01	1.06	1.10	
5/8 x 6	1,590	1,020	200	152	20	166	44	22	177	19	33	1/2	161	1.07	1.16	1.25	
5/8 x 9	1,590	1,020	276	228	20	206	44	22	217	19	33	1/2	201	1.31	1.40	1.49	
5/8 x 12	1,590	1,020	352	304	20	241	44	22	252	19	33	1/2	236	1.55	1.64	1.73	
5/8 x 18	1,590	1,020	505	457	20	321	44	22	332	19	33	1/2	316	-	2.21	-	
3/4 x 6	2,360	1,360	210	152	23	181	54	25	196	23	38	5/8	173	1.75	1.89	2.03	
3/4 x 9	2,360	1,360	287	228	23	221	54	25	236	23	38	5/8	213	2.09	2.23	2.37	
3/4 x 12	2,360	1,360	362	304	23	256	54	25	271	23	38	5/8	248	2.42	2.56	2.70	
3/4 x 18	2,360	1,360	515	457	23	336	54	25	351	23	38	5/8	328	3.08	3.22	3.36	
7/8 x 12	3,270	1,810	372	304	26	273	60	31	287	28	44	3/4	266	3.56	3.80	4.04	
7/8 x 18	3,270	1,810	524	457	26	353	60	31	367	28	44	3/4	346	4.43	4.67	4.91	
1 x 12	4,540	2,270	381	304	29	286	76	36	323	30	52	7/8	286	5.05	5.33	5.61	
1 x 18	4,540	2,270	533	457	29	366	76	36	403	30	52	7/8	366	6.25	6.53	6.81	
1 1/4 x 12	6,890	-	387	304	-	-	90	46	360	44	71	1 1/8	330	8.60	9.20	9.80	
1 1/4 x 18	6,890	-	540	457	-	-	90	46	440	44	71	1 1/8	380	10.40	11.00	11.60	
1 1/4 x 24	6,890	-	693	610	-	-	90	46	495	44	71	1 1/8	479				
1 1/2 x 12	9,710	-	400	304	-	-	104	54	390	52	71	1 3/8	360	13.20	14.30	15.40	
1 1/2 x 18	9,710	-	550	457	-	-	104	54	465	52	71	1 3/8	430	13.20	14.30	15.40	
1 1/2 x 24	9,710	-	703	610	-	-	104	54	540	52	71	1 3/8	496				
1 3/4 x 18	12,700	-	570	457	-	-	-	-	60	86	1 3/4	440	-	-	-	23.56	
1 3/4 x 24	12,700	-	720	610	-	-	117	59	577	60	86	1 3/4	500			26.81	
2 x 24	16,780	-	735	610	-	-	143	67	632	64	95	2	540			45.04	
2 1/2 x 24	27,220	-	800	610	-	-	-	-	73	113	2 1/2	580	-	-	-	72.32	

Nominal size and g in inches.

Bezabala reserves the right to alter these measurements and indications.

ACCESSORIES

TESTING, CHECKING AND TRAINING

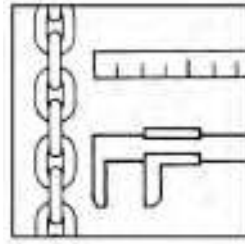




BEZABALA



CHECKING DEPARTMENT



BEZABALA HAS A MOBILE CHECKING SERVICE AT YOUR DISPOSITION





CHAINS AND ACCESSORIES

- Visual inspection of all parts.
- Inspection of cracking using electromagnetic equipment.

MOBILE CRACK DETECTOR FOR CHAINS AND ACCESSORIES



APPROVED TEST BENCH FOR UP TO 100 TONNES





CABLES AND ACCESSORIES

- Visual inspection of all cables to ensure they comply with regulations.
- When considered necessary, electromagnetic equipment is available for cables up to $\varnothing 47$.

Electromagnetic cable inspection equipment.

For checking the outer and inner state of cables without problems, detecting broken wires, wear and rust.

Faults can be seen on screen and detected acoustically through headphones with a graphical printout on a control tape.



POLYESTER AND ACCESSORIES

- Visual inspection of all parts to ensure they comply with regulations.

BEAMS

- Inspection using magnetic particles or penetrating liquids.





CHECKING PROCEDURE

A

RECORD

- Descriptive inventory of all lifting elements.
- Detection and correction of non-compliances, which will be entered on the record.

B

VISUAL TESTS

- The visual test is a surface control to detect external deformities (rust, notches, pores, etc).

C

MEASUREMENT

- In this section, the stretching of all lifting devices and their components is measured. Additionally, the operation of all the safety mechanisms is checked.

D

LOCATING INTERNAL DEFECTS

- We have mobile electromagnetic equipment operated by qualified Bezabala staff to detect internal defects in lifting equipment.

E

MAINTENANCE

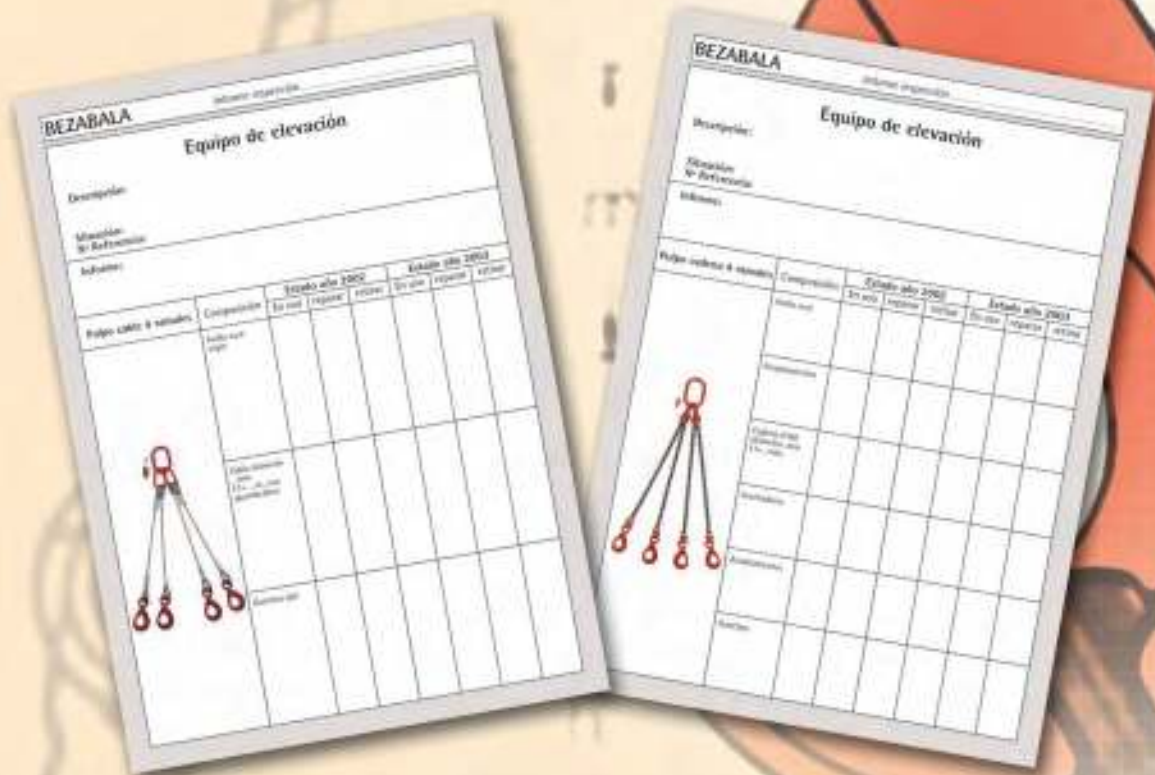
- The result is entered in the relevant records. A report is then issued for the client to take the necessary corrective measures so that his lifting equipment continues to comply with safety requirements.



ISO 9001:2000 STANDARD APPROVAL CERTIFICATE



EQUIPMENT INSPECTION RECORDS





The lack of suitable training and information on the use of lifting and fastening systems is the cause of many accidents at work.

When Royal Decree 1215/1997, 18 July, came into force, minimum health and safety dispositions were established for the use of working equipment by workers. Specifically, section 5 mentions the obligations for training and information.

- Those responsible for the company (department) must guarantee that the worker receive suitable training and information on the risks arising from the use of working equipment as well as the protective and prevention measures that must be adopted.
- The information must include at least the conditions and correct way to use the working equipment as well as the erroneous and/or dangerous situations and forms of use that may occur.
- Any conclusions that have been obtained from experience using the working equipment.
- Any other useful information that reduces or minimises the risk arising from the use of the equipment.

In Bezabala we consider training and information is essential to improve health and working conditions. Because of this, we make qualified staff with wide experience available to our clients who visit their premises to train and inform the workers on the need to pay attention to the risks arising from the use of lifting equipment that are present in their working environment or from the modifications that may be made to them.





BEZABALA

Our experience is your safety



BEZABALA Head Office:

C/Iruña 1 Bis, 48014 BILBAO
Tel: 944 483 800, Fax: 944 483 808
bilbao@bezabala.com
www.bezabala.com

BEZABALA North West Branch:

C/Zaragoza s/n, 15142 LA CORUNNA
Tel: 981 135 252, Fax: 981 135 630
galicia@bezabala.com

BEZABALA Central Branch:

Polig Industrial Los Olivos
C/Calidad 60, 28906 GETAFE
Tel: 916 652 452, Fax: 916 960 012
madrid@bezabala.com

BEZABALA Southern Branch:

Polig Industrial La Palmera
Avda La Palmera 14, 41700 DOS HERMANOS, Seville
Tel: 954 690 132, Fax: 954 690 206
sevilla@bezabala.com

BEZABALA North East Branch:

Polig Industrial Cova Solera
C/Dublin 2 (esq Avda Can Sucarrats)
08191 RUBI, Barcelona
Tel: 932 521 172, Fax: 932 521 173
barcelona@bezabala.com

BEZABALA East Coast Branch:

Polig Industrial N° 2
C/Llumeners s/n, 46530 PUZOL, Valencia
Tel: 961 424 922, Fax: 961 466 299
valencia@bezabala.com