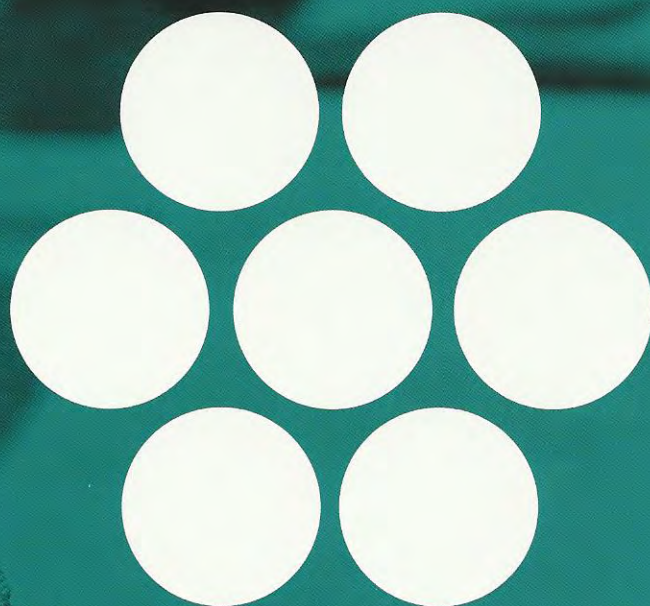
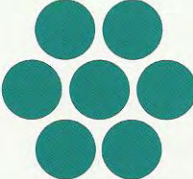




SLINGS

PROTEK[®]

BAYGAR

 **cables y
eslingas**

CABLES Y ESLINGAS S.A. is a company founded in 1969 belonging to Celsa Group.

Since then until today, the service, flexibility and quality of our products has been our main target. This engagement made us one of the leader companies in our market.

CABLES Y ESLINGAS S.A. is synonymous of quality and efficiency in providing "just in time" steel wire ropes, slings, octopus and lifting accessories.

CABLES Y ESLINGAS S.A. has a total area of 22.000 m² to provide an efficient service to all our customers.

From **CABLES Y ESLINGAS S.A.** we want to help to improve and simplify provisioning.

Besides being specialists in lifting wire ropes and slings, our high volume of purchases and our powerful sales network make us one of the most competitive industrial supply company where you will find a wide range of products available.



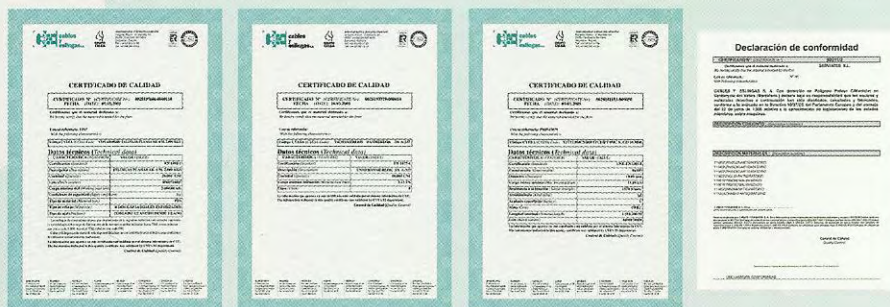
CERTIFICATES

All our products are delivered together with a quality certificate stating all their technical characteristics.

Certificate: Flat slings AB. 4M. 2000

Certificate: TYCLIFT wire rope

Certificate: Hammerlok union



POLYESTER SLINGS CYEtex[®]

CHARACTERISTICS

Flexible and lightweight, our polyester slings are made of 100% polyester as indicated by the blue color of the identification label from each sling. Both the manufacturing and the sewing of the loops are performed following to BS 3481 and CEN / TC: 168/WG3 N 117 and 118.

APPLICATIONS

Designed especially to carry fragile or delicate heavy loads.

Note: We owned a test bench for 75 Tn

Working Load in kg – Safety factor 7:1



Mod.	Width		Vertical	Hanged	Two braches			Color
	mm				U	90°	120°	
CYE1000	30		1.000	800	2.000	1.400	1.000	Violet
CYE1500	50		1.500	1.200	3.000	2.100	1.500	Orange
CYE2000	60		2.000	1.600	4.000	2.800	2.000	Green
CYE2500	75		2.500	2.000	5.000	3.500	2.500	Dark Green
CYE3000	90		3.000	2.400	6.000	4.200	3.000	Yellow
CYE4000	120		4.000	3.200	8.000	5.600	4.000	Grey
CYE5000	150		5.000	4.000	10.000	7.000	5.000	Red
CYE6000	180		6.000	4.800	12.000	8.400	6.000	Brown

Slings manufactured to CEN (European Committee for Standardization).
Standard slings from 1 to 6 meters. Other units on demand.

TUBULAR SLINGS

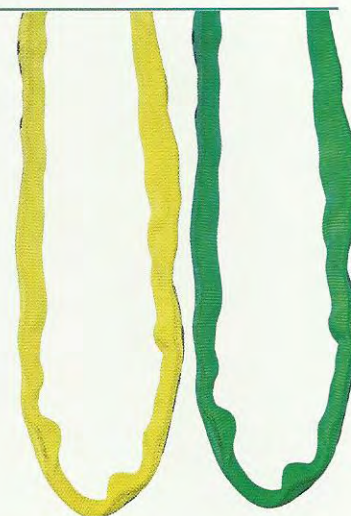
CHARACTERISTICS

Flexible and lightweight, our polyester slings are made of 100% polyester as indicated by the blue color of the identification label from each sling.

Note: We have tubular slings up to 50 Tn working load.

Other measures on demand

Endless	With loop	 x 1	 x 0,8	 x 2	 x 1,4	Color
CYETSF1000	CYET1000	1.000	800	2.000	1.400	Violet
CYETSF2000	CYET2000	2.000	1.600	4.000	2.800	Green
CYETSF3000	CYET3000	3.000	2.400	6.000	4.200	Yellow
CYETSF4000	CYET4000	4.000	3.200	8.000	5.600	Grey
CYETSF5000	CYET5000	5.000	4.000	10.000	7.000	Red
CYETSF6000	CYET6000	6.000	4.800	12.000	8.400	Brown
CYETSF8000	CYET8000	8.000	6.400	16.000	11.200	Blue
CYETSF10000	CYET10000	10.000	8.000	20.000	14.000	Orange



SINGLE USE SLINGS

CHARACTERISTICS

We have Polyester single use slings from different loads and measures with safety factor 5.1 and 7.1. We manufactured according to your needs.



RATCHET CYEtex®

CHARACTERISTICS

Our Ratchets are manufactured under the most demanding standards. The 100% polyester tape receives an additional treatment surface that makes it resistant to external weathering.

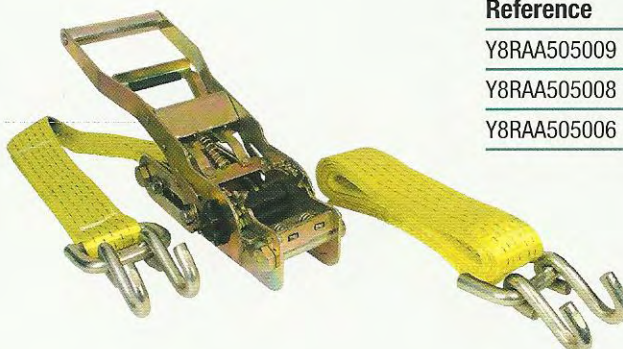
They also have a high modulus of elasticity resulting on a virtually null lengthening. The ratchet made of high quality steel is submitted to an exclusive treatment against corrosion.

Due to mechanical design, minimal effort on the lever translates into a great tensile strength. Lashing systems consist of two parts, with tensor hooks and heavy-duty tape according to customer needs, such as type of hook load must be supported, width of band, etc..

APPLICATIONS

They are designed primarily for transporting goods avoiding the dangerous movement of the load in transit

- Ratchets 50 mm wide tape.
- For T.M.U de 2.500 Kg (direct tensile).
- 5.000 Kg (double lashing )
- Breaking load: 7.500 kg.
- Do not suited for lifting loads.



Reference	Length meters
Y8RAA505009	9
Y8RAA505008	8
Y8RAA505006	6

STEEL WIRE ROPE SLINGS

Steel wire rope slings are normally made from galvanized 6x19+1 or 6x37+1 steel wire ropes depending on diameter. The special BY-PASS system on our presses ensures the adequate pressure. The pressing operation is made automatically and without exceeding the indicated ferrules pressure limit. They are manufactured with different type of finishes, including rings, thimbles, hooks or application-specific terminals. Workloads calculated according to EN 13414-1. For jobs that needed to raise and / or transport any type of load.

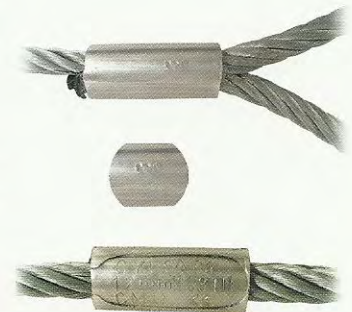
QUALITY CONTROL

Each wire rope sling made with aluminum ferrule is subjected to a strict quality control, the aluminum ferrule is marked which ensures product traceability.

Steel wire rope slings working load with aluminum ferrule (DIN3093)

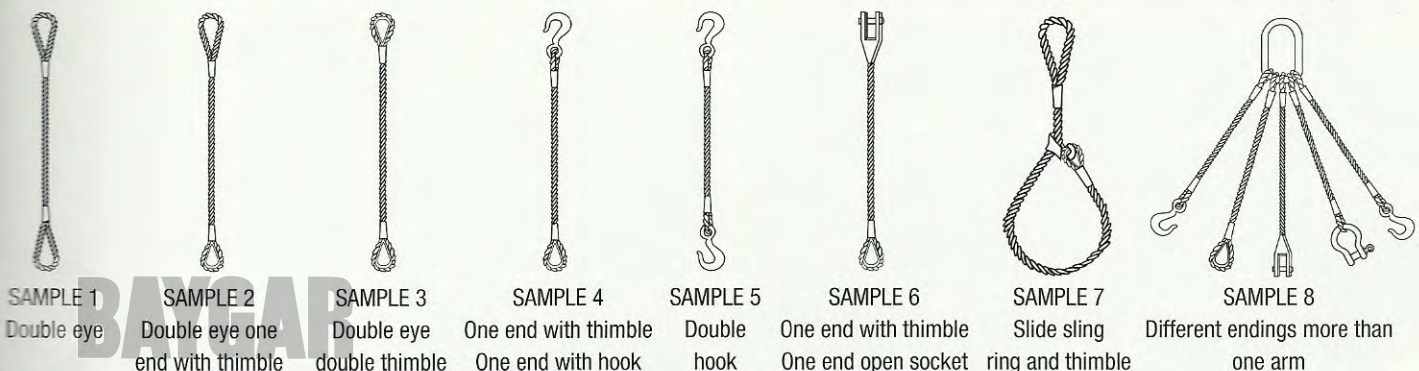
Working loads in Kg/ Safety factor 5:1

Wire Rope							
Diameter	Vertical	Hanged	Suspension	2 arms $0^\circ < \beta \leq 45^\circ$	2 arms $45^\circ < \beta \leq 60^\circ$	4 arms $0^\circ < \beta \leq 45^\circ$	4 arms $45^\circ < \beta \leq 60^\circ$
8	638	479	1.277	894	638	1.341	958
9	808	606	1.616	1.131	808	1.696	1.212
10	997	748	1.995	1.396	997	2.095	1.496
11	1.207	905	2.414	1.690	1.207	2.534	1.810
12	1.436	1.077	2.873	2.011	1.436	3.016	2.154
13	1.620	1.215	3.239	2.267	1.620	3.401	2.429
14	1.878	1.409	3.757	2.630	1.878	3.945	2.818
16	2.453	1.840	4.907	3.435	2.453	5.152	3.680
18	3.105	2.329	6.211	4.347	3.105	6.521	4.658
20	3.834	2.875	7.667	5.367	3.834	8.051	5.750
22	4.639	3.479	9.277	6.494	4.639	9.741	6.958
24	5.520	4.140	11.041	7.729	5.520	11.593	8.281
26	6.479	4.859	12.957	9.070	6.479	13.605	9.718
28	7.514	5.635	15.028	10.520	7.514	15.779	11.271
32	9.814	7.360	19.628	13.740	9.814	20.609	14.721
36	12.421	9.316	24.842	17.389	12.421	26.084	18.631
40	15.334	11.501	30.669	21.468	15.334	32.202	23.002
44	18.555	13.916	37.109	25.976	18.555	38.965	27.832
48	22.081	16.561	44.163	30.914	22.081	46.371	33.122
52	25.915	19.436	51.830	36.281	25.915	54.422	38.873
56	30.055	22.542	60.111	42.078	30.055	63.116	45.083
60	34.502	25.877	69.005	48.303	34.502	72.455	51.754



We have a test bank at our disposal within our facilities. Braided slings decrease its working load 15%. Specific wire resistance 180 kg/mm².

Steel wire rope slings – Usual configurations



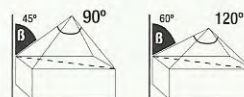
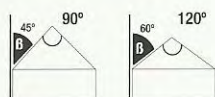
CHAIN SLINGS *CYEblock 80*[®]

Among the specs CABLES Y ESLINGAS' chain slings perform, wearing down and high temperature resistance so as high load capacity are remarkable. This properties are on account to the high quality of the materials involved in its manufacturing. Specially designed to work with heavy loads, corrosive or extremely hot environments such as foundries, steel warehouse or anything that has to do on marble industry.

Regulation: EN818-4

HINT: We have a test bank at our disposal within our facilities

Chain slings working loads: Working loads in Kg. Safety factor 4:1



Length		1 arm	2 arms		3 or 4 arms	
Inches	mm	Draw 90°	0° < β ≤ 45°	45° < β ≤ 60°	0° < β ≤ 45°	45° < β ≤ 60°
9/32	7,0	1.500	2.100	1.500	3.150	2.250
5/16	8,0	2.000	2.800	2.000	4.200	3.000
3/8	10,0	3.150	4.410	3.150	6.615	4.725
1/2	13,0	5.300	7.420	5.300	11.130	7.950
5/8	16,0	8.000	11.200	8.000	16.800	12.000
3/4	19,0	11.200	15.680	11.200	23.520	16.800
7/8	22,0	15.000	21.000	15.000	31.500	22.500
1	26,0	21.600	30.240	21.600	45.360	32.400
1 1/4	32,0	32.700	45.780	32.700	69.324	49.050

Chain slings *CYEblock 80*[®] – Usual configurations

