



Central de Reparaciones La Luz, S.L.

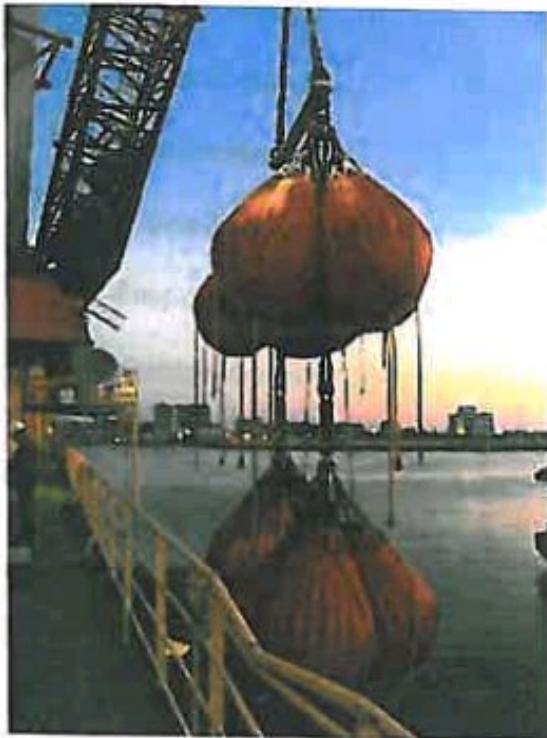
Assembly - Mechanical - Electricity  
Boiler - Welding - Mechanize  
Power Rental up to 800 KVA  
Spare parts supply

Address <http://www.suim.es>  
Pinillos Izquierdo, 17 [suim@suim.es](mailto:suim@suim.es)  
Las Palmas de G.C. CIF / VAT: B35780337  
E-35008 Spain

Montaje - Mecánica - Electricidad  
Calderería - Soldadura - Mecanizado  
Grupos electrógenos de alta potencia  
Ferretería y suministros Industriales

## TARIFF FOR 2009-2010 TO TEST FOR STANCHIONS, CRANES AND DAVITS

CERTIFIES AND TECHNICAL SPECIFICATIONS OF LOAD TEST WATER BAGS





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CCFWB (Crane Certification Fluid Weight) are constructed using heavy duty polyester fabric, coated with TPU/PVC to ensure excellent fluid retention and ensure good abrasion resistance.

All seams are electronically -high frequency welded for extra strength. *(No gluing or sewing of coated fabric)*

All the CCFWB come with polyester lift straps and appropriate screw pin shackle for single point lifting (Water Bags above 20 tons come with Master Link).

Materials used for fabrication is high tenacity TPU/PVC coated polyester fabric in range of weight from 48 to 89 oz/yd<sup>2</sup>.

**Material Strength Results:  
Oil & Fuel Resistant" Polyurethane TPU/PVC bland coated**

<b>Data Type</b>	<b>Test Method</b>	<b>Result</b>
Material coating	TPU/PVC blanded coating	High Tenacity Polyester fabric
Weight of base fabrica	DIN 53853 or equivalent	18.13 oz/sqyd (615 g/sq.m)
Weight of Coated Fabric	DIN 53853 or equivalent	56oz/sq.yd (1,884 g/sq.m)
Tensile Stregth	DIN 53354 or equivalent	1260 lb/in. (11034 N/5cm)
Tear Strength (tongue sutter)	FTMS 191556 or equivalent	541 lb (2406 N)
Cold Crack	DIN 53361 or equivalent	-22 deg F (-30 deg C)
Heat Resistance	IVK-Method or equivalent	+160 deg F (80 deg C)
Bending Resistance	DIN 53359 or equivalent	Minimum 100,000 knits
Ultra Violet	DIN 54404 or equivalent	7 o possible 8 black color (8 of possible 8)
Adhesion	DIN 53357	21 lbf/in (180 N/5cm)
Puncture Resistance	Fed. Sd. 101-2031	440 lbs (200 Kg)
Abrasion Resistance	ASTM 3389 (TABER D 751-701°C (160°F); 6 hrs.	> 7000 Cycles to expose fabric
Special Finish	Urethane / PVC Blended	Oil & Fuel resistant coating



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Each CCFWB shall have total of **18 x 2"** "polyester webbing lifting straps treated with special coating against UV degradation.

The 18 lifting straps terminate at 6 sling gathers (OL3) at the top of the bag. These OL3 sling gathers are then connected to three (3) 14 tonne screw pin shackles are then attached the Master link sub assemblies, and the su asseblies of course are part of the "MT-16-10" Master link.

MODEL	WEIGHT	VOLUME	EMPTY HEIGHT "LENGTH"	FILLED HEIGHT (L)	Max. Diam. (Ø)	"Dry Weight without accessories	Shipping Volume with accessories	Material Weight
	Kg	Liters/m <sup>3</sup>	m	M	m	Kg	m <sup>3</sup>	g/m <sup>2</sup>
	lbs	USG	ft	Ft	ft	Lbs	ft <sup>3</sup>	oz/yd <sup>2</sup>
CT/CPS-20 (TONNE)	20	20,000/20	7.71	6.1	3.42	186	1.81	1884
	44,1	5,28	25.32	20.0	11.25	410	54	56

*"The CT/CPS-20 dry weight with Master Link is 510 lb (231 Kg)"*

CCFWB fittings are made from cast anodized marine grade aluminium. Nuts, bolts and washers integral to the fittings are made of stainless steel. The fittings will be bolted through the main body of the CCFWB to a cast marine grade alumium backing plate. Each fitting will be mounted on a patch having a greater diameter than the outside diameter of the particular fitting according to in vigor regulations.



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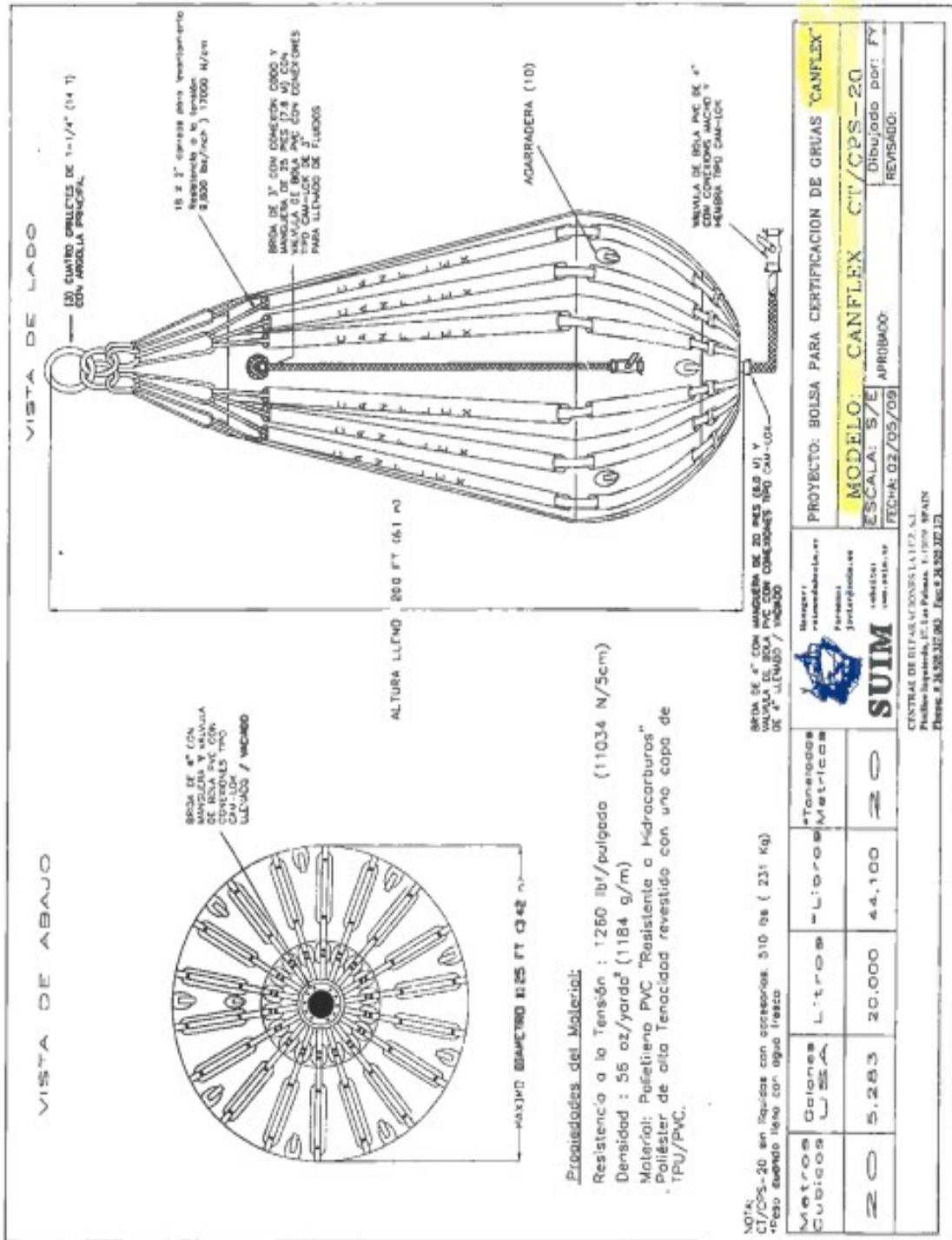
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The CCFWB used to get of certifications for load tests on crains, davits and stanchios are accepted by **OSHA and ANSI Regulation** with serial **CPS.20.MODEL**.

Approval on 30 June 2009 after carried out the pertinent filling & emptying tests. Test to anchorages, bolts, harness, etc. to make appropriate to in vigor Safety Maritime Laws.

*Certifications carried out and issued by  
ABSG Consulting Inc.  
&  
Olimpic Synthetic Products, Inc.*



### TESTS CERTIFICATE:

<p>GUNNEBO GRADE 80 ALLOY CHAIN &amp; COMPONENTS: Chain &amp; Liftin Division (Nº AO12307-3)</p>	<ul style="list-style-type: none"> <li>- Test under ASTM A391, A952, A907 material standard</li> <li>- Test under ASME B30.9 &amp; B30.10 safety standards</li> <li>- Test under OSHA alloy steel chain sling regulations</li> </ul>
<p>OLYMPIC SYNTHETIC PRODUCTS</p>	<ul style="list-style-type: none"> <li>- Collar with attached polyester web slings. Certification No. 1054601</li> <li>- Strap Gather: Certification No. 1053708</li> <li>- OSHA &amp; ANSI Regulations</li> </ul>



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Features and tariff list for load test to stanchions, cranes and davits (with dynamometers) according to tonnage and under general terms of Central de Reparaciones La Luz, S.L.

### A. Guarantee and Normative. Certified.

1. Lifting accessories in accordance with CE No. 89/368-91/368-93/68 and the European Normative No. EN 292 – EN 55 022 – EN 50 082 2
2. ISO Certificate.
3. Load test certificate issued by Central de Reparaciones La Luz, S.L.
4. Correctness  $\pm 0.2$  norm capacity
5. Temperature:  $-10^{\circ}\text{C}+40^{\circ}\text{C}$

Every test up to 12 tons will be carried out by LLX 12.50 tons Dynanometer.

Every test up to 50 tons will be carried out by LLX 50 tons Dynanometer.

### B. Prices according to tonnage and revision time.

Load test according to tonnage:		
Up to 50 tons	At the moment	
Up to 100 tons	Advise 1 month before	
Up to 250 tons	Advise 1 month before	

It includes transport, straps, shackles all certified more the crane up to 2,000 Kg in the tariff of the next set of tests.



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Load test for cranes, Davits and Stanchions				
1.	Test for one only up to 25 Tons		1.120,00 €	At that moment
2.	Test for two up to 20 Tons	(1120*2) – 30%	1.568,00 €	At that moment
3.	Test for three up to 20 Tons	(1120*3) – 30%	2.352,00 €	At that moment
4.	Test for four up to 20 Tons	(1120*4) – 30%	3.136,00 €	At that moment
5.	Test for five up to 20 Tons	(1120*5) – 30%	3.920,00 €	At that moment
6.	<b>This method will be applied for every load tests to realize:</b>		(€ 1,120.00 * No. load test) – 30%	

The tariffs at the jobs are applied using normal working hours 08:00-13:00 & 15:00-18:00 after hours (overtime) increase by 20% because of the hours of overtime.

Cost for crane for moving of weights if these are more 2,000 Kg.:

80 Tons (5 hours at the very least)	€ 195.00 per hour
130 Tons (5 hours at the very least)	€ 295.00 per hour



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