Electra
electrapolska.com

25 LAT

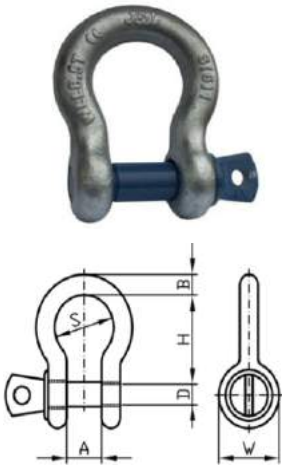
Lifting and pulling equipment
Tensioning lugs
Stockings and swivels Ropes
Dynamometers

Shackles
Rope slings
Webbing slings
Chain slings
Hose slings
Chain hoists
Rope hoists
Multi-bolts
Grips for ACSR , AL.
Grips for OPGW
Self grip for ASXSN PAS GREENPAS
Wire and Cu-rope clamps
Wire and nylon rope
Dynamometers

electrasklep.pl
electrapolska.com

Reinforced round shackle

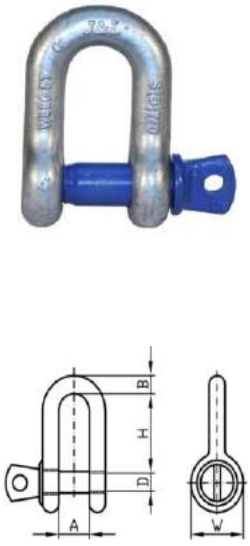
Manufactured in Class 6 in accordance with EN 13889.
Safety factor: 6:1.
The shackle and pin are made of high-tensile, tempered steel. Operating temperature range: -20°C÷200°C.
Zinc-plated shackle, pin protected against corrosion by blue powder coating. Marking: type, DOR, class, batch number, manufacturer's mark, CE mark.



Symbol	Load [kg]	A	S	B	D	H	W	Kg
L01/0,5	**500**	12,0	19,0	7,0	8,0	29,0	17,5	0,05
L01/0,7	**750**	13,0	20,0	9,0	10,0	32,0	20,0	0,10
L01/1,0	**1000**	17,5	25,5	10,5	11,5	36,0	25,0	0,15
L01/1,5	**1500**	19,0	29,0	11,5	12,5	42,0	27,0	0,20
L01/2,0	**2000**	20,5	32,5	13,0	16,0	48,5	31,5	0,30
L01/3,2	**3250**	27,0	43,0	17,0	19,0	59,5	41,0	0,65
L01/4,7	**4750**	31,5	49,5	20,0	22,5	70,5	48,0	1,05
L01/6,5	**6500**	37,0	56,0	24,0	27,0	83,5	53,5	1,60
L01/8,5	**8500**	45,0	67,0	27,0	30,0	95,5	60,5	2,35
L01/9,5	**9500**	47,5	73,5	30,0	33,0	106,0	68,0	3,15
L01/12,0	**12000**	49,5	82,0	34,5	36,0	119,0	76,0	4,75
L01/13,5	**13500**	58,0	90,0	36,0	39,0	132,0	84,5	6,05
L01/17,0	**17000**	63,0	96,5	40,0	42,0	147,0	92,0	8,15
L01/25,0	**25000**	71,0	125,0	45,0	50,0	176,0	110,0	12,75
L01/35,0	**35000**	80,0	143,0	52,0	54,0	196,0	119,0	19,40
L01/55,0	**55000**	105,0	180,0	65,0	71,0	260,0	150,0	36,00

Longitudinal shackle type D

Manufactured in class 6 to EN13889. Safety factor: 6:1.
The shackle and pin are made of high-tensile, tempered steel. Operating temperature range: -20°C÷200°C.
Zinc-plated shackle, pin protected against corrosion by blue powder coating. Marking: type, DOR, class, batch number, manufacturer's mark, CE mark.

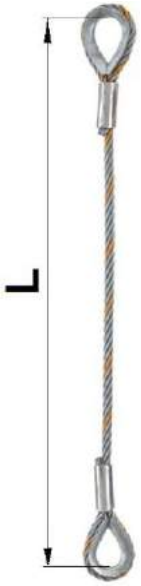


Symbol	Load [kg]	A	B	D	H	W	Kg
L02/0,5	**500**	11,0	6,0	8,0	24,0	16,0	0,05
L02/0,7	**750**	15,0	8,0	11,0	26,0	19,0	0,08
L02/1,0	**1000**	17,0	10,0	11,0	32,0	23,0	0,13
L02/1,5	**1500**	19,0	11,0	13,5	36,0	27,0	0,20
L02/2,0	**2000**	20,5	13,0	16,5	41,0	30,0	0,28
L02/3,2	**3250**	27,0	16,0	19,0	51,0	38,0	0,57
L02/4,7	**4750**	31,0	19,0	22,0	60,0	46,0	1,20
L02/6,5	**6500**	36,0	22,0	25,5	71,0	53,0	1,40
L02/8,5	**8500**	42,0	25,0	30,0	82,0	61,0	2,20
L02/9,5	**9500**	46,0	28,0	33,5	90,0	68,0	3,10
L02/12,0	**12000**	52,0	32,0	36,0	100,0	76,0	4,10
L02/13,5	**13500**	56,0	35,0	39,0	111,0	84,0	5,30
L02/17,0	**17000**	61,0	38,0	42,0	122,0	92,0	7,30
L02/25,0	**25000**	72,0	45,0	52,0	150,0	108,0	12,60
L02/35,0	**35000**	85,0	52,0	60,0	175,0	123,0	18,30

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.
www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Cable slings with caoutchouc

Fulfils the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 13414-1
Slings made of steel wire ropes with a wire strength of 1770 or 1960 N/mm2 clamped by aluminium cylindrical sleeves according to EN 13411-3
Slings permanently marked with manufacturer's stamped mark, factory number, length, CE mark and permissible working load.
The length of the sling is made to individual order - it is measured between the upper and lower attachment points.

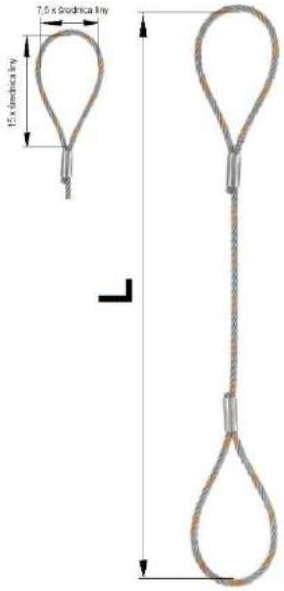


Symbol	Load [kg]	Rope [mm]	Possible lengths up to 1.0	1,5	2,0	producti i (mb) on 3.0	4.0	5,0
L100/08	**700**	8,0	●	●	●	●	●	●
L100/10	**1050**	10,0	●	●	●	●	●	●
L100/11	**1300**	11,0	●	●	●	●	●	●
L100/12	**1550**	12,0	●	●	●	●	●	●
L100/13	**1800**	13,0	●	●	●	●	●	●
L100/14	**2120**	14,0	●	●	●	●	●	●
L100/16	**2700**	16,0			●	●	●	●
L100/18	**3400**	18,0				●	●	●
L100/20	**4350**	20,0					●	●
L100/22	**5200**	22,0					●	●
L100/24	**6300**	24,0					●	●

Other lengths on request
Ordering diagram: example **L100/12/5.0**
L100 - model of sling with a caoutchouc 12 - diameter of rope
5,0 - sling length

Wire rope slings without eyelets

Fulfils the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 13414-1 Slings made of steel wire ropes with a wire strength of 1770 or 1960 N/mm2 clamped by aluminium cylindrical sleeves according to EN 13411-3
Slings permanently marked with manufacturer's stamped mark, factory number, length, CE mark and permissible working load.
The length of the sling is made to individual order - it is measured between the upper and lower attachment points.

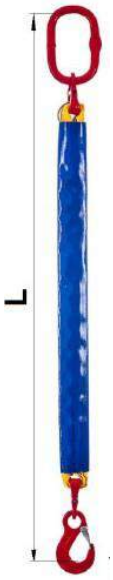


Symbol	Load [kg]	Rope [mm]	Possible lengths up to 1.0	1,5	2,0	producti i (mb) on 3.0	4.0	5,0
L101/08	**700**	8,0	●	●	●	●	●	●
L101/10	**1050**	10,0	●	●	●	●	●	●
L101/11	**1300**	11,0	●	●	●	●	●	●
L101/12	**1550**	12,0	●	●	●	●	●	●
L101/13	**1800**	13,0	●	●	●	●	●	●
L101/14	**2120**	14,0	●	●	●	●	●	●
L101/16	**2700**	16,0			●	●	●	●
L101/18	**3400**	18,0				●	●	●
L101/20	**4350**	20,0					●	●
L101/22	**5200**	22,0					●	●
L101/24	**6300**	24,0					●	●

Other lengths on request
Ordering diagram: example **L101/12/5.0**
L100 - sling model without thimbles 12 - rope diameter
5,0 - sling length

Hose slings 1-cord

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L102/1/1	**1000**	●	●	●	●	●	●
L102/1/2	**2000**	●	●	●	●	●	●
L102/1/3	**3000**	●	●	●	●	●	●
L102/1/4	**4000**	●	●	●	●	●	●
L102/1/5	**5000**	●	●	●	●	●	●
L102/1/6	**6000**	●	●	●	●	●	●
L102/1/8	**8000**	●	●	●	●	●	●
L102/1/10	**10000**	●	●	●	●	●	●

Other lengths on request
Hose slings with link and hook . Other configurations on request Ordering diagram : example **L102/1/2/5.0**
L102 - hose sling model
1 - number of ties
2 - load in tonnes 5,0 - length of sling

Hose slings 2-prong

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Symbol	Load capacity 45°-60°[kg].	Load capacityMay be up to 45°[kg] 1.0	1,5	2,0	product i (mb) on 3.(	4,0	5,0
L102/2/1	**1000**	**1400**	●	●	●	●	●	●
L102/2/2	**2000**	**2800**	●	●	●	●	●	●
L102/2/3	**3000**	**4200**	●	●	●	●	●	●
L102/2/4	**4000**	**5600**	●	●	●	●	●	●
L102/2/5	**5000**	**7000**	●	●	●	●	●	●
L102/2/6	**6000**	**8400**	●	●	●	●	●	●
L102/2/8	**8000**	**11200**	●	●				
L102/2/10	**10000**	**14000**	●	●	●	●	●	●

Other lengths on request
Hose slings with link and hook . Other configurations on request Ordering diagram : example **L102/2/2/5.0**
L102 - hose sling model 2 - number of links 2 - load in tonnes 5,0 - length of sling

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.
www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

3-prong hose slings

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Symbol	Load Capacity 45°-60°[kg]	45°[kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L102/3/1,5	**1500**	**2100**	●	●	●	●	●	●
L102/3/3,0	**3000**	**4200**	●	●	●	●	●	●
L102/3/4,5	**4500**	**6300**	●	●	●	●	●	●
L102/3/6,0	**6000**	**8400**	●	●	●	●	●	●
L102/3/7,5	**7500**	**10500**	●	●	●	●	●	●
L102/3/9,0	**9000**	**12600**	●	●	●	●	●	●
L102/3/1212	**000**	**16800**	●	●	●	●	●	●
L102/3/1515	**000**	**21000**	●	●	●	●	●	●

Other lengths on request
Hose slings with link and hook . Other configurations on request Ordering diagram : example **L102/3/4,5/5,0**
L102 - hose sling model 3 - number of links 4,5 - load in tonnes 5,0 - sling length

4-hose slings

It complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 and has a safety factor of 7:1, (fittings 4:1).
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Symbol	Load Capacity 45°-60°[kg]	45°[kg]	Possible lengths for production (mb) 1 ,0	1,5	2,0	3,0	4,0	5,0
L102/4/1,5	**1500**	**2100**	●	●	●	●	●	●
L102/4/3,0	**3000**	**4200**	●	●	●	●	●	●
L102/4/4,5	**4500**	**6300**	●	●	●	●	●	●
L102/4/6,0	**6000**	**8400**	●	●	●	●	●	●
L102/4/7,5	**7500**	**10500**	●	●	●	●	●	●
L102/4/9,0	**9000**	**12600**	●	●	●	●	●	●
L102/4/1212	**000**	**16800**	●	●	●	●	●	●
L102/4/1515	**000**	**21000**	●	●	●	●	●	●

Other lengths on request
Hose slings with link and hook . Other configurations on request Ordering diagram : example **L102/4/4.5/5.0**
L102 - hose sling model 3 - number of links 4,5 - load in tonnes 5,0 - sling length

Hose sling with closed circuit

Complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-2 Has a safety factor of 7:1
It has a sewn-in identification label with the manufacturer's name, load capacity, type, factory number, year of manufacture, length, CE mark.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Symbol	Load [kg]	Possible lengths for production 1.0		1,5	2,0	i (mb) 4.0	5,0
		3,0					
L103/1	**1000**	●	●	●	●	●	●
L103/2	**2000**	●	●	●	●	●	●
L103/3	**3000**	●	●	●	●	●	●
L103/4	**4000**	●	●	●	●	●	●
L103/5	**5000**	●	●	●	●	●	●
L103/6	**6000**						
L103/8	**8000**	●	●	●	●	●	●
L103/10	**10000**	●	●	●	●	●	●
L103/12	**12000**	●	●	●	●	●	●
L103/15	**15000**	●	●	●	●	●	●
L103/20	**20000**	●	●	●	●	●	●
L103/25	**25000**	●	●	●	●	●	●
L103/30	**30000**	●	●	●	●	●	●
L103/40	**40000**	●	●	●	●	●	●
L103/50	**50000**	●	●	●	●	●	●
L103/60	**60000**	●	●	●	●	●	●
L103/80	**80000**	●	●	●	●	●	●
L103/100	**100000**	●	●	●	●	●	●
L103/120	**120000**	●	●	●	●	●	●
L103/150	**150000**	●	●	●	●	●	●

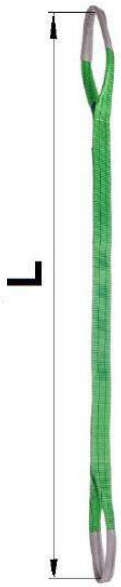
Other lengths on request
Hose slings with link and hook . Other configurations on request Ordering diagram : example **L103/2/5.0**
L103 - hose sling model 2 - load in tonnes 5,0 - sling length

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Double layer belt slings

• Complies with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-1
• They have a safety factor of 7:1
• They have a sewn-in identification label with the manufacturer's name, type, factory number, year of manufacture, length, CE mark and permissible working load.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.



Symbol	Load [kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L104/1	1000	●	●	●	●	●	●
L104/2	2000	●	●	●	●	●	●
L104/3	3000	●	●	●	●	●	●
L104/4	4000			●	●	●	●
L104/5	5000			●	●	●	●
L104/6	6000				●	●	●
L104/8	8000				●	●	●
L104/10	10000					●	●

Other lengths on request
The webbing slings can be finished with full loops or with shorter loops Ordering example: **L104/2/5.0**
L104 - hose sling model 2 - load in tonnes 5,0 - sling length

Four-layer strap slings

They comply with the provisions of the Machinery Directive 2006/42/EC and the harmonised standard EN 1492-1 and have a safety factor of 7:1.
They have a sewn-in identification label with the manufacturer's name, type, factory number, year of manufacture, length, CE mark and permissible working load.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.

Symbol	Load [kg]	Possible lengths for production 1.0	1,5	3,0	2,0	i (mb) 4,0	5,0
L105/1	1000	●	●	●	●	●	●
L105/2	2000	●	●	●	●	●	●
L105/3	3000	●	●	●	●	●	●
L105/4	4000			●	●	●	●
L105/5	5000			●	●	●	●
L105/6	6000				●	●	●
L105/8	8000				●	●	●
L105/10	10000					●	●

Other lengths on request
The webbing slings can be finished with full loops or with shorter loops Ordering example: **L105/2/5.0**
L105- hose sling model 2 - load in tonnes 5,0 - sling length

1 - link chain slings class 8

They comply with the provisions of the Machinery Directive 2006/42/EC.
They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.
Safety factor 4:1

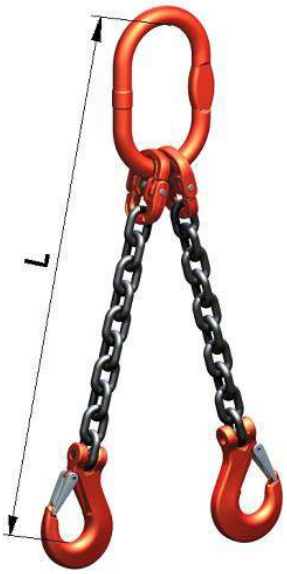
.

Symbol	Load Chain [kg]		Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L108/1/1,1	**1120**	6	●	●	●	●	●	●
L108/1/2,0	**2000**	8	●	●	●	●	●	●
L108/1/3,1	**3150**	10	●	●	●	●	●	●
L108/1/5,3	**5300**	13	●	●	●	●	●	●
L108/1/8,0	**8000**	16	●	●	●	●	●	●
L108/1/11	**11200**	19	●	●	●	●	●	●
L108/1/15	**15000**	22	●	●	●	●	●	●
L108/1/21	**21200**	26	●	●	●	●	●	●

Other lengths on request
Chain slings with link and hook . Other configurations on request
Ordering diagram: example **L108/1/3.1/5.0**
L108 - chain sling model class 8 1 - number of links 3,1 - load in tonnes 5,0 - sling length **Class 10** - **symbol L110**

Two-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.
They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.
Safety factor 4:1



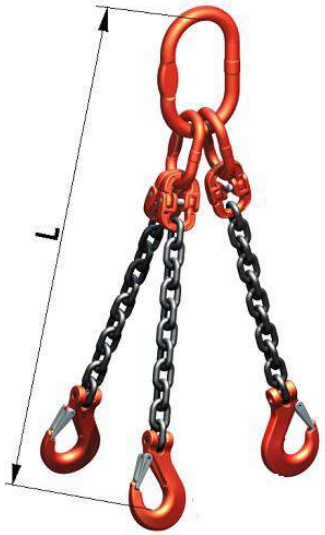
Symbol	Load Capacity 45°-60°[kg]	45°[kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L108/2/1,1	**1120**	**1600**	●	●	●	●	●	●
L108/2/2,0	**2000**	**2800**	●	●	●	●	●	●
L108/2/3,1	**3150**	**4250**	●	●	●	●	●	●
L108/2/5,3	**5300**	**7500**	●	●	●	●	●	●
L108/2/8,0	**8000**	**11200**	●	●	●	●	●	●
L108/2/11	**11200**	**16000**	●	●	●	●	●	●
L108/2/15	**15000**	**21200**	●	●	●	●	●	●
L108/2/21	**21200**	**30000**	●	●	●	●	●	●

Other lengths on request
Chain slings with link and hook . Other configurations on request Ordering diagram: example **L108/2/3.1/5.0**
L108 - chain sling model class 8 2 - number of links
3,1 - load in tonnes 5,0 - sling length **Class 10** - **symbol L110**

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.
www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Three-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.
They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.
Safety factor 4:1



Symbol	Load Capacity 45°-60°[kg]	45°[kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L108/3/1,7	**1700**	**2360**	●	●	●	●	●	●
L108/3/3,0	**3000**	**4250**	●	●	●	●	●	●
L108/3/4,7	**4700**	**6700**	●	●	●	●	●	●
L108/3/5,3	**8000**	**11200**	●	●	●	●	●	●
L108/3/11	**11800**	**17000**	●	●	●	●	●	●
L108/3/17	**17000**	**23600**	●	●	●	●	●	●
L108/3/22	**22400**	**31500**	●	●	●	●	●	●
L108/3/31	**31500**	**45000**	●	●	●	●	●	●

Other lengths on request
Chain slings with link and hook . Other configurations on request
Ordering diagram: example **L108/3/4.7/5.0**
L108 - chain sling model class 8 3 - number of links 4,7 - load in tonnes 5,0 - sling length **Class 10** - **symbol L110**

Four-legged chain slings

They comply with the provisions of the Machinery Directive 2006/42/EC.
They have a durable rating plate with the manufacturer's mark, class, factory number, length, CE mark and permissible working load stamped on it.
The length of the sling is made to individual order and is measured between the upper and lower attachment points.
Safety factor 4:1

Symbol	Load Capacity 45°-60°[kg]	45°[kg]	Possible lengths for production (mb 1,0	1,5	2,0	3,0	4,0	5,0
L108/4/1,7	**1700**	**2360**	●	●	●	●	●	●
L108/4/3,0	**3000**	**4250**	●	●	●	●	●	●
L108/4/4,7	**4700**	**6700**	●	●	●	●	●	●
L108/4/5,3	**8000**	**11200**	●	●	●	●	●	●
L108/4/11	**11800**	**17000**	●	●	●	●	●	●
L108/4/17	**17000**	**23600**	●	●	●	●	●	●
L108/4/22	**22400**	**31500**	●	●	●	●	●	●
L108/4/31	**31500**	**45000**	●	●	●	●	●	●

Other lengths on request
Chain slings with link and hook . Other configurations on request
Ordering diagram: example **L108/4/4.7/5.0**
L108- chain sling model class 8 4- number of links 4,7 - load in tonnes 5,0 - sling length **Class 10** - **symbol L110**

Universal chain hoist

Tractel

Bravo™ AC lever hoist
Lightweight and compact construction made of aluminium Built-in gearbox to reduce the force needed to operate the unit
Supplied with a carrying case as standard

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L2/250/1,5	2.3 kg	250 kg	1	1.5mb	4x12 mm
L2/500/1,5	3.3 kg	500 kg	1	1.5mb	5x15 mm

Universal chain hoist

Tractel

Bravo™ series chain hoists with Double Click system Highly extensible steel alloy used in the construction of the hoist. Ideal for construction, industry and shipyards.
It can be used in any position, whether on site or on the factory floor.
Perfect for pulling, lifting, positioning and adjusting. 360° rotating hook.
No possibility to set the hoist in neutral position,
when the load is suspended from the hook, with automatic brake engagement.
Automatic double ratchet brake.
Tested at 150% DOR.
Self-lubricating rust-protected chain with COROLIM® coating - complies with EN818-7.
Fully compliant with EN13157, TÜV Rheinland certified

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L2/500/1,5	3.3 kg	500 kg	1	1.5mb	5x15 mm
L2/750/1,5	7.0 kg	750 kg	1/18 mm	1.5mb	6x18 mm
L2/750/3,0				3.0mb	
L2/750/4,0				4.0mb	
L2/750/5,0				5.0mb	
L2/1500/1,5	11.0 kg	1500 kg	1/15 mm	1.5mb	8x24 mm
L2/1500/3,0				3.0mb	
L2/1500/4,0				4.0mb	
:L2/1500/5,0				5.0mb	
L2/3000/1,5	20.0 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L2/3000/3,0				3.0mb	
L2/3000/4,0				4.0mb	
L2/3000/5,0				5.0mb	
L2/6000/1,5	30.0 kg	6000 kg	2/8.5 mm	1.5mb	10x30 mm
L2/6000/3,0				3.0mb	
L2/6000/4,0				4.0mb	
L2/6000/5,0				5.0mb	

Bravo 500 kg
Bravo 750 kg
Bravo 1500 kg
Bravo 3000 kg
Bravo 6000 kg

L2/CLD 4-5	Guard for 250-500kg hoists
L2/CLD 6	Guard for 750-1000kg hoists
L2/CLD 7-8	Guard for 1500kg hoists
L2/CLD 10	Guard for 3000-6000kg hoists

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Universal chain hoist

Versatile lifting, sliding and cargo securing characterised by compact design and sturdy sheet steel construction. Its low dead weight and smooth chain travel make this unit is easy to use and versatile.

Yale® Handy

Yale® Handy	Weig	Capacit	Number/strike force	Chain length	Chain pitch
L4/250/1,5	2.2 kg	250	kg1/80 mm		4x12 mm
L4/500/1,5	1.5mb				4x12 mm

Yale® UNO Plus Series

Yale® UNO series	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L4/750/1.5	7.2 kg	750 kg	1/20 mm	1.5mb	6x18 mm
L4/750/3.0				3.0mb	
L4/750/4.0				4.0mb	
L4/750/5.0				5.0mb	
L4/1500/1,5	12.5 kg	1500 kg	1/22 mm	1.5mb	8x24 mm
L4/1500/3,0				3.0mb	
L4/1500/4,0				4.0mb	
L4/1500/5,0				5.0mb	
L4/3000/1.5	21.5 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L4/3000/3.0				3.0mb	
L4/3000/4.0				4.0mb	
L4/3000/5.0				5.0mb	
L4/6000/1.5	32.0 kg	6000 kg	2/9 mm	1.5mb	10x30 mm
L4/6000/3.0				3.0mb	
L4/6000/4.0				4.0mb	
L4/6000/5.0				5.0mb	

Yale® PT series

Yale® PT series	Weight	Capacity	Number/jump ties	Length chain	Pitch chain
L5/800/1,5	5.5 kg	800 kg	1/24 mm	1.5mb	5.6x17.1 mm
L5/800/3,0				3.0mb	
L5/800/4,0				4.0mb	
L5/800/5,0				5.0mb	
L5/1600/1,5	9.6 kg	1600 kg	1/23 mm	1.5mb	7.1x21.2 mm
L5/1600/3,0				3.0mb	
L5/1600/4,0				4.0mb	
L5/1600/5,0				5.0mb	
L5/3200/1,5	16.0 kg	3200 kg	1/16 mm	1.5mb	9x27.2 m.
L5/3200/3,0				3.0mb	
L5/3200/4,0				4.0mb	
L5/3200/5,0				5.0mb	
L5/6300/1,5	31.0 kg	6300 kg	2/8 mm	1.5mb	9x27.2 m.
L5/6300/3,0				3.0mb	
L5/6300/4,0				4.0mb	
L5/6300/5,0				5.0mb	

* PT model optionally available with overload protection

Universal chain hoist

KITO

KITO's L8 type hoists are characterised by, among other things:

Unique free-wheel chain adjustment mechanism
with safeguards against accidental freewheeling under load Reinforced lever handle Smooth-running gear mechanism for trouble-free operation Chain manufactured by KITO, nickel-plated. Ensures the highest quality
and safety in accordance with EN818-7
Explanation of markings:
L8-OF - models without freewheel chain adjustment mechanism
L8-OLL - with optional slipping clutch to prevent the unit from being overloaded by a higher than nominal weight.

The L8 KITO lever hoist is an original and reliable piece of equipment, which will prove its worth in all conditions. The unique freewheel chain adjustment mechanism effectively prevents accidental freewheeling. Thanks to the reinforced lever handle and the smooth
The operating gear mechanism makes the KITO hoist easy to operate.

A load capacity of 6.3 to 9 tonnes with a low dead weight and compact design is a guarantee of efficient work. Four-fold riveting for the highest level of safety, class 100 (V) nickel-plated load chain and a safety hook pawl are additional advantages that make KITO equipment a great choice.

	Weight	Capacity	Number of thorns	Length chain	Pitch chain
L8/250/1,5	1.7 kg	250 kg	1	1.5mb	3.2x9 mm
L8/250/3,0	2.0 kg	250 kg	1	3.0 mb	3.2x9 mm
L8/500/1,5	2.7 kg	500 kg	1	1.5mb	4.3x12 mm
L8/500/3,0	3.3 kg	500 kg	1	3.0 mb	4.3x12 mm

	Weight	Capacity	Number of thorns	Chain length	Chain pitch
L8/800/1,5	5.7 kg	800 kg	1	1.5mb	5.6x15.7 mm
L8/800/3,0	6.8 kg			3.0mb	
L8/800/6,0	8.9 kg			6.0mb	
L8/1000/1,5	5.9 kg	1000 kg	1	1.5mb	5.6x15.7 mm
L8/1000/3,0	7.0 kg			3.0mb	
L8/1000/6,0	9.1 kg			6.0mb	
L8/1600/1,5	8.0 kg	1600 kg	1	1.5mb	7.1x19.9 mm
L8/1600/3,0	9.7 kg			3.0mb	
L8/1600/6,0	13.0 kg			6.0mb	
L8/2500/1,5	11.2 kg	2500 kg	1	1.5mb	8.8x24.6 mm
L8/2500/3,0	13.8 kg			3.0mb	
L8/2500/6,0	18.9 kg			6.0mb	
L8/3200/1,5	15.0 kg	3200 kg	1	1.5mb	10.0x28.0 mm
L8/3200/3,0	18.5 kg			3.0mb	
L8/3200/6,0	25.4 kg			6.0mb	
L8/6300/1,5	26.0 kg	6300 kg	2	1.5mb	10.0x28.0 mm
L8/6300/3,0	33.1 kg			3.0 mb	
L8/6300/6,0	47.2 kg			6.0 mb	
L8/9000/1,5	40.0 kg	9000 kg	3	1.5mb	10.0x28.0 mm
L8/9000/3,0	50.5 kg			3.0 mb	
L8/9000/6,0	71.5 kg			6.0 mb	

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Universal chain hoist

YaleERGO 360	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L6/750/1,5	6.6 kg	750 kg	1/27.2 mm	1.5mb	5.6x17.1 mm
L6/750/3,0				3.0mb	
L6/750/4,0				4.0mb	
L6/750/5,0				5.0mb	
L6/1500/1,5	9.5 kg	1500 kg	1/21.7 mm	1.5mb	7.1x21mm
L6/1500/3,0				3.0mb	
L6/1500/4,0				4.0mb	
L6/1500/5,0				5.0mb	
L6/3000/1,5	16.8 kg	3000 kg	1/20.1 mm	1.5mb	10x28 mm
L6/3000/3,0				3.0mb	
L6/3000/4,0				4.0mb	
L6/3000/5,0				5.0mb	
L6/6000/1,5	28.6 kg	6000 kg	2/10.1 mm	1.5mb	10x28 mm
L6/6000/3,0				3.0mb	
L6/6000/4,0				4.0mb	
L6/6000/5,0				5.0mb	

Universal chain hoist

Robust sheet steel construction in a compact design.
• Free gear switch fitted as standard
• Integral sprocket eliminates jamming and noise
no chain śny

	Weight	Capacity	Number/strike force	Chain length	Chain pitch
L3/750/1,5	7.5 kg	750 kg	1/18 mm	1.5mb	6x18 mm
L3/750/3,0				3.0mb	
L3/750/4,0				4.0mb	
L3/750/5,0				5.0mb	
L3/1500/1,5	11.5 kg	1500 kg	1/15 mm	1.5mb	8x24 mm
L3/1500/3,0				3.0mb	
L3/1500/4,0				4.0mb	
L3/1500/5,0				5.0mb	
L3/3000/1,5	21.0 kg	3000 kg	1/17 mm	1.5mb	10x30 mm
L3/3000/3,0				3.0mb	
L3/3000/4,0				4.0mb	
L3/3000/5,0				5.0mb	
L3/6000/1,5	31.5 kg	6000 kg	2/8.5 mm	1.5mb	10x30 mm
L3/6000/3,0				3.0mb	
L3/6000/4,0				4.0mb	
L3/6000/5,0				5.0mb	

Rope winch

Rope winch , cast aluminium body giving a low dead weight of the winch when a heavy load is applied
Can be used as a single- or double-tie. Corrosion-resistant
For tensioning cables on overhead lines

	Capacity 1/2 ties	Rope length 1/2 ties	
L76/1	250 / 500 kg	7,6 / 3,8	4.4 kg
L76/2	500 / 1000 kg	3,0 / 1,5	4.6 kg
L76/3	500 / 1000 kg	8,8 / 4,4	6.5 kg
L79	700 / 1400 kg	6,0 / 3,0	8.3 kg
L80	900 / 1800 kg	4,4 / 2,2	15.0 kg

Rope winch

Winch made of tool steel with low weight. Can be used as a single- or double-pull.
Manual winch for tensioning conductors in overhead LV lines equipped with a ratchet mechanism with a switch.

	Ø rope/m	Load capacity	Weight
L116/1500	6.5 mm / 1.2 m.	1500 kg	4.2 kg
L116/2000	7.0 mm / 1.5 m.	2000 kg	4.9 kg

Belt winch

Belt winch made of tool steel with low weight.
Heavy-duty belt Double-stranded winch.
For tensioning cables on overhead lines

	belt dimension	working range	Capacity	Weight
L97/1500	2.2 x 40 mm	450-2000 mm	1500 kg	4.5 kg

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Manual cable winch

Yale®

The Yaletrac ST portable rope winch is a versatile tool for pulling, lifting, lowering, tensioning and securing loads over long distances.
It was specifically designed for industrial applications, for the construction of power lines .
Yaletrac ST has a housing of dimensionally stable deep-drawn steel plates for compactness
and robust construction. The working force of the handle has been noticeably optimised for the user by the application of the axial ball bearings

	Ø rope/m	Load capacity	Weight without
Y05 ST	6.0 mm / 20 m	500 kg	6.0 kg
Y10 ST	8.4 mm / 20 m	1000 kg	8.4 kg
Y16 ST	11.5 mm / 20 m	1600 kg	15.8 kg
Y32 ST	16.0 mm / 20 m	3200 kg	27.2 kg

Portable device for pulling, lifting, lowering, tensioning safely working over long distances.
- resistant steel housing
- low weight
- indestructible, large-surface double handles
- maintenance-free
- Easy-to-change overload pin

	Ø rope/m	Load capacity	Weight
L95/1	8 mm/20 m	800 kg	6.0 kg
L95/2	11 mm/20 m	1600 kg	12.0 kg
L95/3	16 mm/20 m	3200 kg	22.0 kg

Tractel®

TIRFOR® 500 series hoist Compact, lightweight and easy to move
A combination of portability and safety.
Recommended for applications where transferability is an important criterion

	Ø rope/m	Load capacity	Weight
T508	8.3 mm/20 m	800 kg	6.6 kg
T516	11.5 mm/20 m	1600 kg	13.5 kg
T532	16.3 mm/20 m	3200 kg	24.0 kg

Tractel®

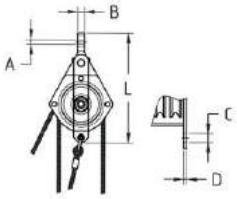
TIRFOR® TU series hoist
For lifting, pulling and positioning heavy loads
Unsurpassed in terms of durability and strength

	Ø rope/	Capacit	Weig
TU8	8.3 mm/20 m	800 kg	8.4 kg
TU16	11.5 mm/20 m	1600 kg	20.0 kg
TU32	16.3 mm/20 m	3200 kg	27.0 kg

Multi-circle

For rapid lifting, pulling, tensioning
Design : Galvanised compact sheet steel construction
Three rolls in each block .
Guide and eyelet for nylon rope attachment
Rope as required 20m/30m/40m
Tested multicorner load 4x multiples

	Weight	Length	Ø Nylon rope /m	Capacity
L74/300/20	3100 g	590 mm	10 mm/20 m	300 kg
L74/300/30	3100 g	590	mm10 mm/30 m	300 kg
L74/300/40	3100 g	590	mm10 mm/40 m	300 kg
L74/500/30	8100 g	790	mm16 mm/30 m	500 kg
L74/500/40	8100 g	790	mm16 mm/40 m	500 kg



For lifting, pulling, tensioning overhead lines during construction
Design : Galvanised compact sheet steel c o n s t r u c t i o n on ball bearings
Hitching ; shackle
Wire rope as required 9-12 mm

	Number of	Diameter of discs	Ø Rop	L	A	B	C	D	Weigh
028/2/25	2	160	9 mm	380	22	22	11	10	25 kg
028/2/30	2	180	9 mm	370	22	22	11	10	30 kg
028/3/35	3	160	9 mm	450	25	22	11	10	35 kg
028/3/45	3	180	9 mm	410	25	22	11	10	45 kg
028/4/70	4	180	9 mm	440	26	22	22	12	70 kg
028/5/100	5	208	12 mm	500	35	26	22	12	100 kg

Tirvit™

Wire and cable tensioning device

Wire and wire rope tensioning device
Lightweight, compact and easy to carry For tensioning:
Electrical and telephone lines, fencing, fencing, lashings and loose ropes
To be drawn in:
Caravans, vehicles that get stuck, light machinery, trailer loads, boats on dry land or trailers
For pulling out
Stakes, brushwood, trees and shrubs

	Ø rope/m	Breaking load	Load capacity	Weight
L7/400	2.0 -8.0 mm	4000 kg	400 kg	4.0 kg
L7/600	7.0 -15.0 mm	8000 kg	600 kg	5.2 kg
L7/800	14.0 -18.0 mm	16000 kg	800 kg	6.2 kg

400 series cable tensioning clamps model 04

Tensioning clamps **400/04** series
Aluminium cable clamps (frog)
A.C.S.R , copper and steel
Made of high-quality alloy steel
Tensile resistant , heat treated, and galvanised

Full range of interchangeable inserts.
Working range 30.0 mm to 45.0 mm.
Working force 55.0 kN
Maximum safe load 117 kN

Minimum breakingload 285.0 kN
Weight 17.0 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 282 mm

400 series cable tensioning clamps model 05

Tensioning clamps **400/05** series
Handles (frog) for aluminium A.C.S.R , copper and steel wires
Made of high-quality alloy steel
Tensile resistant , heat treated, and galvanised Full range of interchangeable inserts.
Working range 18 mm to 32
mm Working force 47.0 kN.
Maximum safe load 88.0 kN

Minimum breaking load 235.0 kN
Weight 13.5 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 278 mm

400 series cable tensioning clamps model 07

Tensioning clamps series **400/07**
Handles (frog) for aluminium A.C.S.R , copper and steel wires
Made of high-quality alloy steel
Tensile strength, heat-treated and galvanised Full range of interchangeable inserts.
Working range 8 mm to 24.5 mm.
Working force 30.0 kN.
Maximum safe load 49.0 kN

Minimum breaking load 150.0 kN
Weight 7.0 kg
Exchangeable jaws for AFL , Al. , Cu , wire rope

(on the next page)

Jaw working length 172 mm

Replaceable inserts for aluminium cables

Working range (mm) min	(mm)	AFL (ACSR)	400/04	400/05	400/07
6,0	6,5				
6,5	8,0	6-25			
8,0	9,5	6-35			410-07-03
9,5	11,0	6-50			410-07-04
11,0	12,5	6-70			**410-07-05**
12,0	13,5				
12,5	14,0	6-95			410-07-06
13,5	15,0	6-95			
14,0	15,5				410-07-07
15,0	16,5	6-120			
15,5	17,0	6-120			**410-07-08**
16,5	18,0	6-150			
17,0	18,5	6-150			410-07-09
18,0	19,5	6-185		410-05-05	
18,5	20,0	6-185			410-07-10
19,5	21,0			410-05-06	
20,0	21,5				410-07-11
21,0	22,5	6-240		**410-05-07**	
21,5	23,0	6-240			**410-07-12**
22,5	24,0			410-05-08	
24,0	25,5	6-300		410-05-09	
25,5	27,0	8-350		410-05-10	
27,0	28,5	8-400		410-05-11	
28,5	30,0			410-05-12	
30,0	31,5	8-525	410-04-13	**410-05-13**	
31,5	33,0	8-525	**410-04-14**	410-05-14	
33,0	34,5		410-04-15		
34,5	36,0		410-04-16		
36,0	37,5		410-04-17		
37,5	39,0		410-04-18		
39,0	40,5		410-04-19		
41,0	45,0		special execution		

* inserts for handle 400/04 for copper ropes from 25.5-39.0 mm on request

* inserts for handle 400/05 for copper ropes from 13.5-32.0 mm on request

* inserts for handle 400/07 for copper ropes from 8.0-15.5 mm on request

Cable tensioning clamps for non-insulated cables

Cable tensioning clamps for non-insulated overhead lines
The chuck has jaws with a clamping system specially designed for pulling Al..AFL cables and wires , The chuck range is characterised by its very low weight

Symbol	Working load	Cable AAL max	maxAFL	Max working range	Weight
L30	10 kN	95 mm2	6-95	14 mm	1.05 kg
L31	15 kN	150 mm2	6-150	18 mm	1.40 kg
L32	25 kN	240 mm2	6-240	24 mm	2.90 kg
L33	40 kN	525 mm2	8-525	32 mm	4,00 kg
L34	50 kN	675 mm2	8-675	37 mm	6.70 kg
L35	70 kN	675 mm2	8-675	40 mm	10.0 kg

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Cleaning and maintenance kit KA403-S00 consisting of:
N°1 Spray graphite
N°1 solvent spray cleaner N°1 abrasive cloth
Cleaning cloth No. 1

Model 403
A.C.S.R aluminium cable clamps ,
Made of high-quality alloy steel
tensile strength, heat-treated and galvanised

Model 403/01
Complete with 14 mm x 900 mm diameter steel sling, rear U-protection as standard saddle, suitable for
Insertion range 9.0-24.5 mm Operating
force (WL) 26 kN (ratio 5:1) Breaking force (BL) 130 kN
Weight 4.5 kg
Weight of interchangeable jaws 2.0 kg

Range operation (mm) min	(mm) max		jaw model
9,0	10,7	AFL (ACSR)	413-01-10
10,8	12,5	AFL (ACSR)	413-01-12
12,6	14,3	AFL (ACSR)	413-01-14
14,4	16,1	AFL (ACSR)	413-01-16
16,2	18,2	AFL (ACSR)	413-01-18
18,3	20,4	AFL (ACSR)	413-01-20
20,5	22,5	AFL (ACSR)	413-01-22
22,6	24,5	AFL (ACSR)	413-01-24

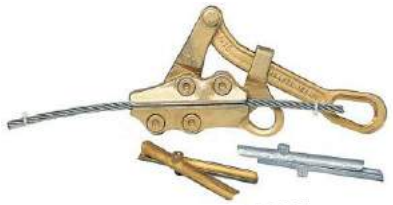
Model 403/02
Complete with 16mm x 1100mm diameter steel sling with rear U-protection as standard
saddle, suitable for
Insertion range 18.3-32 mm Operating force
(WL) 45 kN (ratio 5:1) Breaking force (BL) 225 kN
Weight 7.0 kg
Weight of interchangeable jaws 2.5kg

Range operation (mm) min	(mm) max		jaw model
18,3	20,4	AFL (ACSR)	413-02-20
20,5	22,5	AFL (ACSR)	413-02-22
22,6	24,5	AFL (ACSR)	413-02-24
24,5	26,9	AFL (ACSR)	413-02-27
27,0	29,4	AFL (ACSR)	413-02-29
29,5	32,0	AFL (ACSR)	413-02-32

Model 403 model 03
Complete with 20mm x 1400mm diameter steel sling with rear U-protection as standard
Interchangeable insertion range 24.5-38.5
mm Operating force (WL) 55 kN (ratio 5:1)
Breaking force (BL) 275 kN
Weight 11.5 kg
Weight of interchangeable jaws 3.0 kg

Range operation (mm) min	(mm) max		jaw model
24,5	26,9	AFL (ACSR)	413-03-27
27,0	29,4	AFL (ACSR)	413-03-30
29,5	32,0	AFL (ACSR)	413-03-31
30,1	32,0	AFL (ACSR)	413-03-32
32,1	34,0	AFL (ACSR)	413-03-34
34,1	36,2	AFL (ACSR)	413-03-36
36,3	38,5	AFL (ACSR)	413-03-38

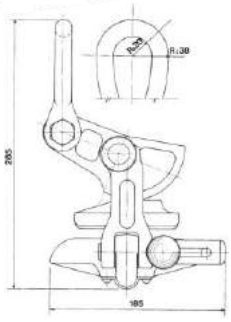
Cable tensioning clamps 400/11 series



Tensioning clamps 400/11 series
Handles (frog) for aluminium conductors A.C.S.R ,
copper wires Made of high-quality alloy steel
Tensile resistant, heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7 mm to 16
mm. Working force 12.8 kN
Safe maximum load 21.2 kN
Minimum breaking load 64 kN
Weight 2.5 kg
Exchangeable jaws for AFL wire , Al. , Cu , copper wires

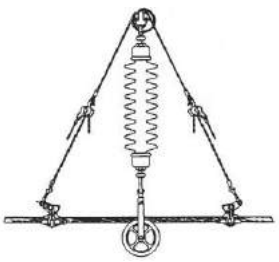
Working range (mm) min	max	(ACSR)	AFL cables aluminium	Wires copper	Wire copper
7,0	8,5	6-35	410-11-01	410-11-R01	
8,5	10,0	6-50	410-11-02	410-11-R02	
10,0	11,5	6-70	410-11-03	410-11-R03	
11,5	13,0		410-11-04	410-11-R04	
13,0	14,5	6-95	410-11-05	410-11-R05	
14,5	16,0	6-120	410-11-06	410-11-R06	
8,0					410-11-A07
9,0					410-11-A08
10,0					410-11-A09
13,0					410-11-A10

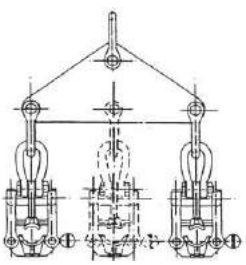
Cable tensioning clamps series 400/08



Tensioning bracket L08 series
Lifting clamps (frog) for overhead lines Made of high-grade alloy steel
Tensile resistant , heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7.0 mm to 38.0 mm.
Working force 19.6 kN
Maximum safe load 39.2 kN
Minimum breaking load 110 kN
Weight 5.5 kg

Working range (mm) min	max	Jaw symbol wire Al.
7,0	11,0	L08/7
9,0	12,0	L08/9
12,0	16,0	L08/12
15,0	23,0	L08/15
22,0	36,0	L08/22
30,0	38,0	L08/30





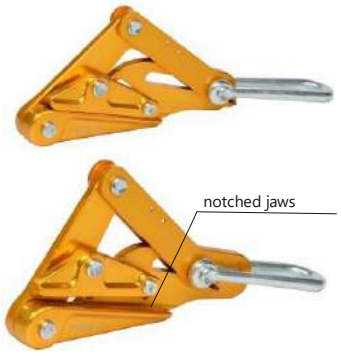
Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.
www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Clamps for tensioning non-insulated wires and steel cables

Grips used for gripping non-insulated conductors during the tensioning of the main overhead line .
The handle has jaws with a clamping system specially designed for pulling non-insulated lines. The handle is characterised by a very low weight and has a safety latch which prevents the cable from slipping out during the pulling process.

Symbol	Mesh size	Working load	AFL 6	AL..	AAL	Cu rope	Working range min	Working range max	Weight
L90	37x23 mm	1000 kg (9.8 kN)	16-120	16-120	16-95	95-120	2,6	15,0	0.7 kg
L91	42x24 mm	2000 kg (19.6 kN)	16-240	16-240	16-240	95-150	4,0	22,0	1.3 kg
L93	50x30 mm	3000 kg (29.4 kN)	120-525		120-525		16,0	32,0	2.3 kg

Insulated cable tensioning clamps



Grips used to grip insulated cables and wires during tensioning
The chuck has jaws with a clamping system specially designed for pulling through cables and wires in insulation Dedicated chucks for PAS , GREENPAS ADSS , EXCEL , AXCES The range of chucks is characterised by its very low weight

Symbol	Working load	Working range min	Working range max	Weight
L20/1	10 kN	10,0	14,0	1.4 kg
L20/2	15 kN	14,0	20,0	3.0 kg
L20/3	20 kN	20,0	25,0	4.0 kg
L20/4	25 kN	25,0	32,0	4.0 kg

Insulated cable tensioning clamps

Handles used for gripping insulated cables during the pulling of the main overhead line . The clamp has jaws with a clamping system specially designed for pulling insulated lines (corrugated) .
The range of handles is characterised by very low weight

Symbol	AsXS 0,6/1 kV insulated conductor	Mesh size	Working load	Working range mm min	Working range mm max	Weight
L50	4x16-35	27x40 mm	500 kg	8,0	25,0	0.9 kg
L51	4x16-70	30x45 mm	1200 kg	16,0	34,0	2.1 kg
L52	4x50-120	30x45 mm	1800 kg	28,0	45,0	3.1 kg

Anti-twist wire rope tensioning handle

Handle for tensioning anti-twist pilot wire in the construction of high-voltage overhead lines Features high load rating of the gripping jaws

Symbol	Load working	Max working range	Weight
L36	30 kN	9-11 mm	4.6 kg
L37	50 kN	11-15 mm	6.5 kg
L38	70 kN	16-18 mm	8.5 kg
L39	120 kN	19-24 mm	13.6 kg

OPGW cable tensioning chuck with fixed jaws

Handle for tensioning OPGW wires during construction of overhead lines
Handle with fixed jaws in the specified working ranges

Symbol	Load working	Max working range	Weight
L46	16 SC	11-15 mm	5,0
L47	30 kN	16-18 mm	5,5
L48	60 kN	20-24 mm	10,0

OPGW cable tensioning clamps with replaceable inserts

Handle for tensioning OPGW cables during the construction of overhead lines Handle with interchangeable inserts to match cable diameters Full range of interchangeable inserts.

Symbol	Burden working/safe/breakdown	Max. working range (inserts)	Weight
400/12	30 kN / 49 kN / 150 kN	6-23 mm	7,0

Working range (mm) min	max	Cable	Symbol
6,0	7,0	OPGW	410-12-06
7,0	8,0	OPGW	410-12-07
8,0	9,0	OPGW	410-12-08
9,0	10,0	OPGW	410-12-09
10,0	11,0	OPGW	410-12-10
11,0	12,0	OPGW	410-12-11
12,0	13,0	OPGW	410-12-12
13,0	14,0	OPGW	410-12-13
14,0	15,0	OPGW	410-12-14
15,0	16,0	OPGW	410-12-15
16,0	17,0	OPGW	410-12-16
17,0	18,0	OPGW	410-12-17
18,0	19,0	OPGW	410-12-18
19,0	20,0	OPGW	410-12-19
20,0	21,0	OPGW	410-12-20
21,0	22,0	OPGW	410-12-21
22,0	23,0	OPGW	410-12-22

* Upper jaw made of Adiprene lower jaw made of aluminium.

** All jaws made for a specific rope diameter in the above mentioned range Jaw working length 172 mm

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Cable tensioning clamps series 400/06

Tensioning bracket series 400/06
Handles (frog) for copper and steel wires
Made of high-grade alloy steel
Tensile resistant, heat treated, and galvanised
Full range of interchangeable inserts.
Working range 7.5 mm to 18.0 mm.
Working load 25.0 kN
Maximum safe load 50 kN
Minimum breaking load 125 kN
Weight 7 kg

Clamps for tensioning non-insulated Cu-wires and steel cables

Grips used for gripping non-insulated Cu-wires during the pulling of Cu-wires or wire ropes Grips have jaws with a clamping system specially designed for pulling Cu-wires
The range of handles is characterised by very low weight

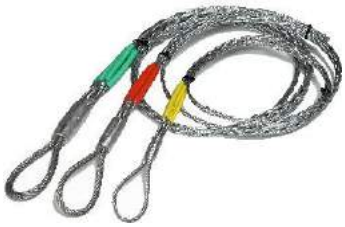
Symbol	Mesh size	Working load	L (Cu rope)	Range working min	max	Weight
L54/1	20x20 mm	500 kg (4.9 kN)		1,0	5,0	0.3 kg
L54	27x27 mm	1700 kg (16.7 kN)	25-70	4,0	12,0	1.2 kg
L55	25x38 mm	3000 kg (29.4 kN)	25-150	6,0	18,0	1.8 kg
L56	30x40 mm	3500 kg (34.3 kN)	70-150	10,0	28,0	3.8 kg
L56/1	30x40 mm	4000 kg (39.2 kN)		20,0	40,0	6.2 kg

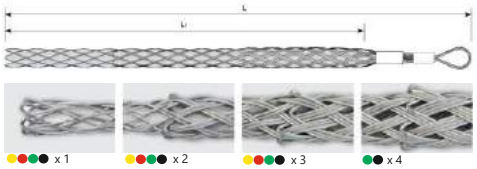
Handles for tensioning non-insulated Al/St wires

Grips used for gripping non-insulated conductors during the tensioning of Al/AFL main overhead line and steel cables
The chuck has jaws with a clamping system specially designed for pulling Al...AFL cables and wires , The chuck range is characterised by its very low weight

Symbol	Mesh size	Working load	AFL 6	AL...	AAL	Working range mm min	max	Weight
L57/1	22x22 mm	1000 kg (9.8 kN)	16-35	25-35	16-35	5,4	8,5	0.8 kg
L57	27x27 mm	1700 kg (16.7 kN)	16-70	16-70	16-70	5,0	12,0	1.2 kg
L58	25x38 mm	3000 kg (29.4 kN)	35-150	50-185	35-150	8,0	18,0	1.8 kg
L59	30x40 mm	3500 kg (34.3 kN)	120-300	150-300	120-400	15,0	28,0	3.6 kg
L59/1	30x40 mm	4000 kg (39.2 kN)	*350-675		240-675	20,0	40,0	6.2 kg

Stockings for pulling wires in overhead lines

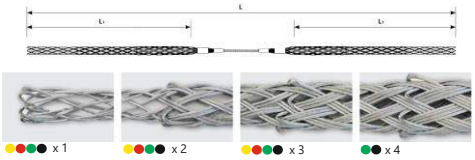




Stocking for overhead line work Characterised by high tensile strength with ideal wire rope weave parameters
Colour coding of the stockings facilitates precise selection of the stocking on site
Special version R - reinforced for breaking load

End stocking in overhead lines

Symbol	Ø rop	number	L1		Working range mm		Breaking force	
CTT 00	1,2–1, 2–1, 5	5	1100	1400	8-17	●	35	0,70
CTT 00 R	1,5–1,5–2, 0	5	1100	1400	8-17	●	50	0,90
CTT 01	2, 0–2, 0–2, 0	5	1360	1700	17-29	●	85	1,30
CTT 01 R	2, 0–2, 5–2, 5	5	1360	1700	17-29	●	100	1,50
CTT 02	2, 0–2, 0–2, 0–2, 0	6	1470	1900	29-38	●	130	2,10
CTT 02 R	2, 0–2, 5–3, 2	6	1470	1900	29-38	●	150	2,50
CTT 03	2, 0–2, 5–2, 5–2, 5	6	1820	2270	38-50	●	180	2,70
CTT 03 R	3, 0–3, 0–3, 2	6	1820	2270	38-50	●	210	3,00



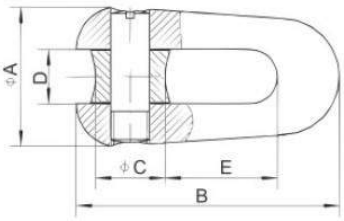
Stocking for overhead line work Characterised by high tensile strength with ideal wire rope weave parameters
Colour coding of the stockings facilitates precise selection of the stocking on site
Special version R - reinforced for breaking load

Overhead line stocking

Symbol	Ø rope number	of ropes	L1	L	Working range mm		Breaking force	Weight kg
CTG 00	1,2–1, 2–1, 5	5	1100	2680	8-17	●	35	1,15
CTG 00 R	1,5–1,5–2, 0	5	1100	2680	8-17	●	50	1,25
CTG 01	2, 0–2, 0–2, 0	5	1360	3240	17-29	●	85	2,30
CTG 01 R	2, 0–2, 5–2, 5	5	1360	3240	17-29	●	100	2,50
CTG 02	2, 0–2, 0–2, 0–2, 0	6	1470	3540	29-38	●	130	3,60
CTG 02 R	2, 0–2, 5–3, 2	6	1470	3540	29-38	●	150	3,80
CTG 03	2, 0–2, 5–2, 5–2, 5	6	1820	4240	38-50	●	180	4,80
CTG 03 R	3, 0–3, 0–3, 2	6	1820	4240	38-50	●	210	5,00

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.
www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

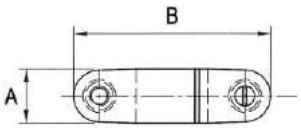
U-joints



U-joint
Made from high-strength steel and suitable for pilot wire.

Symbol	A	B	C	D	E	Operating force kN	Breaking force	Kg
L03/1	36	68	18	**14**	29	**10,0**	30,0	0,2
L03/3	37	76	20	**17**	31	**30,0**	120,0	0,2
L03/5	50	96	23	**19**	42	**50,0**	150,0	0,6
L03/8	56	110	28	**22**	50	**80,0**	240,0	0,8

Fixed swivel

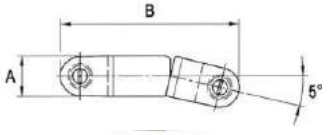


Fixed swivel
Made from high tensile strength, galvanised steel, suitable for use as a connection element between
rope and wire or cable , in order to avoid the build-up of torsional stresses, rotation on the balls.

Symbol	A	B	C	D	E	Workforce kN	Breaking load kN	Kg
1,5	60	35	**9**	7	**5,0**	15,0	0,1
30	100	70	**12**	13	**10,0**	30,0	0,4
37	129	95	**16**	16	**30,0**	90,0	0,6
42	154	116	**18**	17	**50,0**	150,0	1,5
57	220	165	**24**	22	**80,0**	240,0	2,4

Symbol	A	B	D		Working force kN	Breaking force kN	
250 AR	32	120	**15**	17	**26,7**	80,0	0,5
250 BCR	45	170	**19**	22	**60,0**	180,0	1,2
250 DR	60	220	**24**	24	**120,0**	360,0	3,0
250 ER	77	330	**28**	28	**250,0**	750,0	8,2

Movable swivel



Movable swivel
Made from high tensile strength, galvanised steel, suitable for use as a connection element between
rope and wire or cable , to avoid accumulation of torsional stresses, rotation on balls. The movable version is suitable for passing through winches

Symbol	A	B	Rope	Breaking force daN	Kg
250	20	62,0	**6,0**	2500	0,1
250 A	32	125,0	**10,0**	6000	0,5
250 B	45	195,0	**15,0**	12000	1,4

Anti-twist steel cable

12 18

Galvanised steel wire rope,
untwisted , 12 strand model 1000 Dedicated lengths wrapped on steel spools

It is used as a pilot or hauling rope in overhead or cable lines

Symbol	Ø mm	Weaves	Diameter (mm)	Rope weight kg/m	Operating force kN	Standard length (m.)
21.12.08	**8,0**	12	2,0	0,22	13,1	1000
21.12.09	**9,0**	12	2,5	0,25	16,3	1000
21.12.10	**10,0**	12	3,0	0,40	24,0	1000
21.12.11	**11,0**	12	3,5	0,42	28,0	1000
21.12.13	**13,0**	12	4,0	0,48	35,0	1000
21.12.16	**16,0**	12	4,5	0,76	53,3	1000
21.12.18	**18,0**	12	4,8	1,01	70,6	1000
21.12.20	**20,0**	12	5,0	1,24	88,3	1000
21.12.22	**22,0**	12	5,5	1,51	106,6	900
21.12.24	**24,0**	12	6,0	1,77	125,0	800
21.12.28	**28,0**	12	6,5	2,41	159,6	600

Dielectric polypropylene rope

Dielectric polypropylene rope
12 strands of monofilament with high tensile strength.
It is a great rope for applications that require maximum insulation properties
It is produced from 10 mm to 28 mm.
Features: waterproof , flammable, good flexibility
Good UV resistance,
Poor abrasion resistance, Colour: yellow or red
Certifications: Manufactured in accordance with IEC62192
Approved form EDF (France) ref ST-HTB-71B-2 Note: It is recommended that the rope is clean and dry to ensure the highest dielectric properties. If the material is not used in good condition, the manufacturer will not provide the highest dielectric protection

Symbol	Ø mm	Rope weight g/m	Breaking force kN	Standard length (m.)
23.10	**10,0**	45,0	14,34	1000
23.12	**12,0**	65,0	20,76	1000
23.14	**14,0**	88,0	28,38	1000
23.16	**16,0**	115,0	37,21	1000
23.18	**18,0**	145,0	47,26	1000
23.20	**20,0**	180,0	58,53	800
23.22	**22,0**	217,0	71,02	800
23.24	**24,0**	259,0	84,74	800

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

DYNEEMA synthetic pilot line

DYNEEMA braided synthetic ropes
Dyneema is the trade name for ultra high molecular weight polyethylene (UHMWPE).
Ropes made of Dyneema (comparing by weight) are 15 times stronger than steel rope It is used as pilot or hauling rope in overhead or cable lines

Dyneema®

Other dimensions available 2.0-3.0-3.5-4.0-4.5-5.0 Available on reels 850-1100-1250-1400-1600

Symbol	Diameter Ø mm	Breaking force kN	rope density g/m	rope elongation at 30% load	length (m.) standard
4306	**6,0**	**31,9**	20,0	1,5%	1000 m.
4308	**8,0**	**58,8**	35,0	1,5%	1000 m.
4310	**10,0**	**92,5**	56,0	1,5%	1000 m.
4311	**11,0**	**115,0**	70,0	1,5%	1000 m.
4312	**12,0**	**137,0**	84,0	1,5%	1000 m.
4313	**13,0**	**159,0**	98,0	1,5%	1000 m.
4314	**14,0**	**180,0**	106,0	1,5%	1000 m.
4316	**16,0**	**211,0**	132,0	1,5%	1000 m.
4318	**18,0**	**296,0**	186,0	1,5%	1000 m.

DuPont pilot line

Dupont silk fibre material .
PE rope is specially spliced from double-layered polyester fibre with high strength, anti-twist and light weight . It is used as a pilot or hauling rope in overhead or cable lines

DUPONT®

Other dimensions available 3.5-4.0-5.0-6.0-8.0 Available on reels 850-1100-1250-1400-1600

Symbol	Diameter Ø mm	Breaking force kN	rope density g/m	rope elongation at 30% load	length (m.) standard
4410	**10,0**	**30,0**	80,0	2,0 %	1000 m.
4410 B	**10,0**	**30,0**	80,0	2,0 %	1000 m.
4412	**12,0**	**50,0**	114,0	2,0 %	1000 m.
4412 B	**12,0**	**50,0**	114,0	2,0 %	1000 m.
4414	**14,0**	**60,0**	148,0	2,0 %	1000 m.
4414 B	**14,0**	**60,0**	148,0	2,0 %	1000 m.
4416	**16,0**	**80,0**	180,0	2,0 %	
4418	**18,0**	**100,0**	230,0	2,0 %	
4420	**20,0**	**120,0**	290,0	2,0 %	

Polypropylene rope

Polypropylene rope
Ropes specially spliced according to EN ISO 1346 Dyed in the raw material . UV stabilised . Resistant to chemical and organic substances and does not absorb water.

Delivery on work reels or bales depending on diameter

Symbol	Diameter (mm) Ø mm	Breaking force kN	Rope weight kg/m
1108	8,0	10,0	0,02
1110	10,0	15,0	0,04
1112	12,0	22,1	0,06
1114	14,0	28,0	0,08
1116	16,0	37,5	0,11
1118	18,0	45,0	0,14
1120	20,0	56,0	0,18

Hemp rope

Hemp rope
Characteristics:
made of high quality natural yarn weather resistant
abrasion resistant
uncoloured
fully ecological

Symbol	Diameter (mm) Ø mm	Breaking force kN	Rope weight g/m
1208	8,0	2,5	45
1210	10,0	3,8	67
1212	12,0	4,5	91
1214	14,0	5,6	124
1216	16,0	7,8	163
1218	18,0	8,9	206
1220	20,0	9,9	255

Polypropylene rope stand

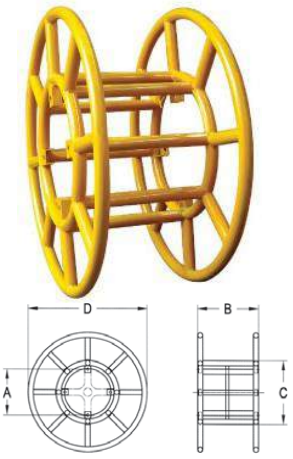
Stand for polypropylene and hemp rope
Suitable for winding and unwinding rope during operation
Ideal for use with winch winches .

Model	Rack capacity 12 mm	Rack capacity 10 mm		weight
K129	500 m	700 m	745x793x350	21 kg

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

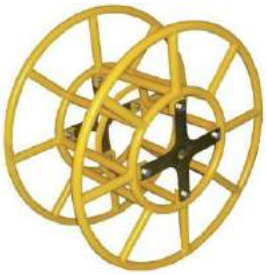
Steel cable reels

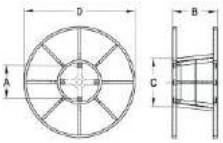


Model 062
Fixed steel spools for steel and nylon ropes suitable for mobile stands . The spools are made of welded steel covered with protective paint.

Symbol	A*	B*	C*	D*	Weight (kg)
062/1 SV	160	410	220	**220**	30
062/2	560	570	570	**1100**	60
062/3	560	570	570	**1400**	90
062/4	560	570	570	**1900**	135

Demountable steel cable reels





Model 063
Tapered steel spools - demountable for ropes suitable for mobile racks.
The spools are made of welded steel covered with protective paint.

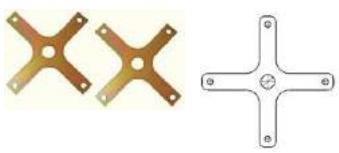
Optional - supplied complete with side fixing crosses 062/CP)

Symbol	A*	B*	C*	D*	Weight (kg)
063/1 SV1	270	524	209	**630**	27,0
063/2	720	560	610	**1100**	73,0
063/3	720	560	610	**1400**	88,0
063/4	720	560	610	**1900**	127,0

Selection of spools for rope diameters

Spool capacity in metres for standard pilot wire lengths

Symbol	6mm		7mm	8mm	9/10mm	11/12mm	13mm	14mm	16mm	18mm	20mm	22mm	24mm	26mm	28mm	30mm
062/1 SV1	1800	1500	1100	800	-	-	-	-	-	-	-	-	-	-	-	-
062/2 063/2	7200	6000	3200	2400	1600	1600	1100	900	-	-	-	-	-	-	-	-
062/3 063/3	14400	12000	6400	3600	2400	2400	2200	1800	1200	1000	900	800	-	-	-	-
062/4	21600	18000	9600	7200	7200	4800	4400	3600	2400	2000	1800	1600	1400	1200	1060	



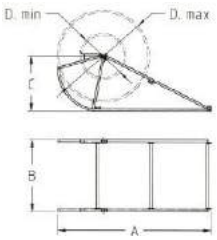
Side fixing crosses 062/CP

Square side adapters 062/CPA Can be used with spool stacking racks Ct40....

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Steel spool rack



Model 061
Cradle-type bobbin stand
Stand frame made of galvanised steel , removable type for standard reels.

Model 061/...FR
Stands equipped with a disc brake.

Symbol	A*	B*	C*	D min*	D max	Payload	Weight (kg)
061/1	2320	900	835	700	1400	2000 daN	65
061/4	3120	960	1150	-	1900	2600 daN	145
061/1 FR	2320	900	835	700	1400	2000 daN	103
061/1 FR	3120	960	1150	-	1900	2600 daN	183

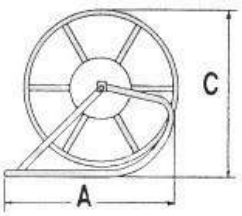
Steel spool rack

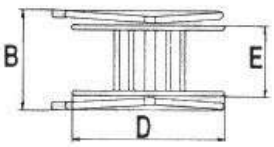
Model 041 FR
Pilot line spool stand equipped with mechanical disc brake for steering and anchor stakes.
Frame made of galvanised steel .
Designed for standard steel bobbins 062 063

Maximum spool diameter :1400mm Maximum load capacity: 2000 Kg
Weight : 190 Kg

Steel spool rack

Model 060
Cradle-type pilot line reel stand
Stand frame made of welded steel with protective paint.





Symbol	A*	B*	C*	D*	E	Rope length (m.) 8 mm	Rope length (m.) 12 mm	Weight (kg)
060/1	700	500	530	450	420	700		20
060/2	790	465	800	700	350	1200	560	27
060/3	970	570	1000	900	450	2500	1100	50

Thermometer

Model TE/900
Thermometer for measuring the temperature of cables Measurement is carried out through an aluminium tube which surrounds the surface and shape of the cable
Measurement in degrees ^{Co} from -30 ^{Co} +60 ^{Co}
Weight 0.5 to 1 kg

* to match the thermometer to the appropriate cable, please specify the cable diameter when ordering
e.g. TE900/21.3 (for AFL 6-240)

Thermometer

Model TE/901
As above only with an indicator thermometer

* to match the thermometer to the appropriate cable, please specify the cable diameter when ordering
e.g. TE901/21.3 (for AFL 6-240)

Cable length counter

Model CO 04
Cable length counter
For measuring the length of the cable during retraction (tensioning)
Weight 3.5 kg

Grounding device

Model MT 400
Mobile earthing device
Suitable for discharging electrical energy on the wire during tensioning
3 aluminium blocks mounted on ball bearings with conductive segment to prevent electrical discharge, with pressure spring,
for easier clamping on the cable Supplied in flexible hose (6 m , 50 ^{mm2} per section)
Complete earthing clamps in bronze
Weight: 8.5 Kg

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

Apparatus for measuring cable cut

SAG 400 model
Apparatus for measuring deflection
(vision) on 400 kV poles
4x40 single telescope , designed to adjust conductors in overhead lines using the slope observation method.
In a plastic case

Apparatus for measuring cable cut

SAG 900 model
Apparatus for measuring deflection
(vision) on 400 kV poles
4x40 single telescope , designed to adjust conductors in overhead lines using the slope observation method.
In a plastic case

Steel strap tensioner

Model L87
Used for tensioning and shearing of steel straps main application on spandrel poles or poles that do not have holes for standard hook bolts

Tape working range: 9-20 mm
Tensioning force 1050 daN
Max. thickness of steel strip 1.2 mm Application:
Steel and stainless steel strips Length: approx.
280 mm
Cutting distance "on fastener" 24 mm
Weight of the tensioner: 2.9 kg
Pull handles: Swivel and removable

Model L88
Steel strip 20x0.7 mm Length
50 mb
Plastic box
Type 304 Type 304 material Nu4CrNi18-8 Austenitic
Tensile strength 750 n/mm

Model L89
Steel strap clamp Pack of 100 pcs.
For 20 mm tape
Type 304 - Material Nu4CrNi18-8 Austenitic

Digital dynamometers

The L81 series are electronic dynamometers with digital displays ideal for measuring small pulling and lifting forces. Using strain sensors
The L81 is ideal for use between
hook and sling. These devices operate correctly in any position giving an accurate measurement reading.

Model	measuring range	min indication	weight
L81/20	20.0 kg	0.05 kg	0.75 kg
L81/50	50.0 kg	0.1 kg	0.93 kg
L81/100	100.0 kg	0.2 kg	1.44 kg
L81/200	200.0 kg	0.4 kg	3.22 kg

Digital dynamometers

The L82 series are electronic dynamometers with digital displays ideal for measuring pulling and lifting forces. Using strain sensors, the L82 is ideal for use between
hook and sling. These devices operate correctly in any position giving an accurate measurement reading.A

Model	measuring range	min indication	scale	
L82/1000	1000 kg	3.0 kg	1.0 kg	0.75 kg
L82/3200	3200 kg	9.6 kg	5.0 kg	0.93 kg
L82/6300	6300 kg	18.9 kg	10.0 kg	1.44 kg
L82/12500	12500 kg	37.5 kg	20.0 kg	3.22 kg
L82/20000	20000 kg	60.0 kg	50.0 kg	4.95 kg

Digital dynamometers with possibility of additional display connection

The L83 series are electronic dynamometers with digital displays ideal for measuring pulling and lifting forces.
Instrument with optional wireless portable display
Optional device for remote, wireless reading of LLX1 dynamometer readings from a distance up to 40 metres .
Display of various units: kg, T, daN kN, lbs Integrated LCD display 18 mm
It has basic functions such as tare, peak load and advanced functions:

Model		measuring range	min indication	scale	
L83/500	500 kg	1.0 kg	0.5 kg		1.1 kg
L83/1000	1000 kg	2.0 kg	1.0 kg		1.1 kg
L83/2000	2000 kg	4.0 kg	2.0 kg		1.3 kg
L83/3200	3200 kg	6.0 kg	2.0 kg		1.5 kg
L83/5000	5000 kg	10.0 kg	5.0 kg		2.3 kg
L83/6300	6300 kg	13.0 kg	5.0 kg		2.3 kg
L83/12500	12 500 kg	25.0 kg	10.0 kg		4.3 kg
L83		wireless display			

- Adjustable dynamic effects filter.
- Adjustable automatic switch-off function.
- Adjustable limit value

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com

ELSEC protective gloves

ELSEC electro-insulating protective gloves are designed for use for electrical purposes only, as basic personal protective equipment for work
at voltages up to 1 kV or as additional protective equipment at voltages above 1 kV.
CHARACTERISTICS
ELSEC electro-insulation protective gloves are five-finger gloves
of anatomical shape, manufactured from high-quality natural rubber latex on an automated production line. Each glove has its own individual number and is electrically tested on a computer-controlled measuring station. The ergonomic shape and flexibility of the glove allows it to work freely with sweat pads and protective leather gloves.

Symbol	Test voltage kV Rms	Max rms rms value	Voltage mA leakage kV	Dimensi
ELSEC 2.5	**2.5 kV**	12 mA	5 kV	8-9-10-11-12
ELSEC 5	**5 kV**	12 mA	10 kV	8-9-10-11-12
ELSEC 10	**10 kV**	14 mA	20 kV	8-9-10-11-12
ELSEC 20	**20 kV**	16 mA	30 kV	8-9-10-11-12
ELSEC 30	**30 kV**	18 mA	40 kV	9-10-11-12

Options for ELSEC gloves
Cotton anti-sweat insole model **T594W208**
ELSEC S100 waterproof leather gloves model **S594S300**
Glove bag model **T596T100**

Electro-insulating pavement

Electrical insulating floor pavements in class 2 are designed for lining floors - to protect workers from electrical hazards - around electrical equipment with a maximum rated voltage of
17000 V - for AC voltage 25500 V - for DC voltage.

Electrical insulating mat 20 KV (dimension 0.75 x 0.75 m.) model **T5920000** Electrical insulating walkway 20 KV (2 m to 8 m length, 1.1 m width) model **T5921000**

ANTAMPER Class 20kV insulating rubber half boots

Footwear designed for work on electrical equipment
with a voltage of up to 20 kV, as additional protective equipment to protect the wearer from the flow of dangerous electric shock current through the human body, via the feet. This footwear reduces the risk of electric shock. It should be used as an overlay over footwear used at work. The electro-insulating rubber half-boots are a Category III PPE meeting the essential requirements according to Directive 89/686/EEC. The footwear also meets the requirements of criteria KOW/S-01/2015

Electrically insulating semi-boots 20 kV - ANTAMPER (size 4) model T5912100
Maximum operating voltage 17,000 V model T5912100

Electrically insulating 30 kV semi-boots - ANTIAMPER (size 4) model T5912200
Maximum operating voltage 26,500 V

Electra Polska sp. zo.o.
85-862 Bydgoszcz , Bydgoskich Przemysłowców 8a
tel.

www.electrapolska.com
www.electrasklep.pl
e-mail info@electrapolska.com