



**TRANLUZ®**

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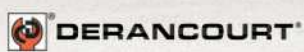
**www.TRANLUZ.com**







SERVICIO TÉCNICO OFICIAL



\* Los nombres y los logotipos relacionados son propiedad de respectivas marcas.

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Tranluz, committed and responsible company.

All the activities we carry out are customer-oriented and constitute a guarantee for the future. We develop a solid long-term relationship based on mutual sharing of know-how. We owe the success of our business to an efficient organisation and a dynamic and entrepreneurial management, satisfying customer needs and offering a diversified product range, constant innovation and targeted investment to increase the range of services and activities we offer.

We continuously improve the standards of quality, safety and reliability in the services we offer. Our extensive experience allows us to be a benchmark in the Electrical and Telecommunications sectors, in the Distribution of Machinery and Tools as well as in the provision of services (Training, ITS, Rent Puller, Revisa etc).

For more information I encourage you to consult our website **[www.tranluz.com](http://www.tranluz.com)**

Thank you for your trust  
Manuel Ramos.



Pol. Ind. Calonge, C/ Oro, 2 - 41007 SEVILLA  
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Tesmec, a pioneer in cable laying solutions, faces the challenge of new technologies, combining a solid tradition of quality and efficiency to generate a new concept of integrated digital and ecological solutions. Working to improve laying methodologies, guaranteeing the highest level of safety, improving time and, of course, "cost savings".

From winches to all sorts of electric machines, Tesmec offers a complete range of products and tools to cope with all job site conditions for any application:

- Versatile and essential machines for standard projects.
- Digital machines for the latest innovation in control and precision.
- All-electric machines for urban or tunnel projects.
- Dual machines for users operating in overhead and underground cable laying.
- Large machines for heavy pipeline renovation.



## Electrical Laying Equipment

We have a wide range of laying equipment for the installation of any type of conductor. Tesmec continues as a global leader in the design, production and sale of cable laying machines.

The extensive experience in the installation of cable laying overhead, underground and fibre optic cables, and knowledge in field, allows us to offer the optimum equipment for the job to be done.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 10.

## Steel Pilot Cable

High quality, highly flexible steel with an elongation of less than 2.5% to avoid spring effect. High corrosion resistance due to the galvanising and greasing process, which allows for a longer lubrication effect.

REF.	MODEL	Ø	BREAKING STRAIN	LONGITUDE
TLI844	FUA611	11 mm.	25 kN.	500 mt
TLI847	FUA613	13 mm.	35 kN.	800 mt
TJL407	FUA615	15 mm.	50 kN.	900 mt

Wire coils also available

See models and characteristics in our Catalogue 01 HIGH Voltage Page 25.



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## Hydraulic Reel Lifter

Hydraulic coil holder for wood and steel coils. Keeps the coil elevated and braked while laying the conductor. Reel holder shaft with accessories. Conical bushings for wooden spools. Structure in welded and painted steel, with connections for anchoring to the ground. Steel box for accessories.

"There is the possibility of rotating the coil with the motorized head, by means of hydraulic feeding and a power unit".

**- Range: up to 30 tons**

See models and characteristics in our Catalogue 01 HIGH Voltage Page 28-30.



## Cable Stringing Pulley

Complete range of simple and trinary laying pulleys (fixed and detachable) with interchangeable sectors in Neoprene, Nylon, Aluminum etc ... On request it can be supplied with grounding.

Tandem pulleys and pulleys for helicopter laying. The pulleys are supplied with different types of grip (specify when ordering).

Load pulleys, insulated and uninsulated (with and without rope). In general, any type of pulley necessary for the Electricity and Telecommunications Sector.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 33-39.

### CABLE STRINGING PULLEY



### STEEL UTILITY PULLEY



TL3404



TL3407

### INSULATED PULLEY



TL4104

## Splices and Cable Grips

Both the splices and the Tesmec meshes are manufactured from high-strength materials. A careful manufacturing process provides them with an excellent response to the high loads they support.

We have a wide range of cable pulleys to be used with any type of conductor, they can be adjustable or fixed. The body is made of high-strength hot-forged steel to minimize the weight-to-workload ratio.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 43-48.

### CONNECTING LINKS



### SWIVEL LINKS



### CABLE GRIPS



TL4606



TL2889





**OFFICIAL SAT  
TECHNICAL SERVICE**

TL4647

TL4648

## AMPACT

AMPACT connectors are made up of a "C" component and a Wedge, both made of aluminum or copper alloy. As the thermal cycles cause the conductors to expand and contract, the "C" component of the AMPACT flexes to follow the movements of the conductors, thus maintaining constant pressure at the electrical connection. It is this feature that ensures that the AMPACT connector has no hot spots in its service life.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 64.

DIGITAL DYNAMOMETER



MANUAL HOIST



TRACTEL



TRACTEL CABLE



## Lifting and Traction

In Tranluz you will only find top brands such as Tractel and Rema, which provide us with equipment and accessories for lifting and traction for the most common kinds of work, with the highest guarantee and reliability.

Equipment specially designed for lifting, dragging and tensioning loads in the most extreme conditions, such as hoists that are equipped with a special double click system that provides high precision and increases safety at work. Other accessories such as cable pulleys, Dynamometers, and hoists are available in various capacities for use with cables of different lengths and diameters.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 57-62.

## Suspension and Mooring Ladders

Suspension ladders made of light aluminium alloy are available in different sizes and are supplied with a personal protective device (fall arrests) which is compulsory on our ladders. Conforms to European Standard No. 89/686/CE. The ladders are also available in different sizes and sections (triangular and trapezoidal).

Aluminium boom for vertical structure assembly, manufactured with a welded mesh structure, made of aluminium alloy. They are supplied in different lengths which are connected to reach the required height. All booms are equipped with a swivel head and a lower hook. As standard, they are equipped with external cable routing.

See models and characteristics in our Catalogue 01 HIGH Voltage Page 55-56.





Tranluz reinforces its After Sales service, offering its customers "ITS", a comprehensive programme for the maintenance of their equipment and tools.

"ITS" is an excellent preventive maintenance programme whose objective is to foresee the problems that a piece of equipment may have, correct them on the spot and maintain it at the optimum point of operation and efficiency.

As specified by the Law on Occupational Risk Prevention, internal audits or its own Quality Regulations, all equipment must undergo inspections and maintenance before being used by the user.

Only authorised personnel may carry out such maintenance. With "ITS" you will be sure that the equipment is actually being serviced;



## Complete Programme of "Inspections and Maintenance".

- ✓ Our technicians will help you to solve any doubt related to the equipment and its use. We make your equipment work again as it did on the first day.
- ✓ The maintenance work is carried out at your premises and even on site if requested. Subsequently, a complete report is drawn up that reflects the work carried out as well as the certification of the perfect working condition of the equipment.
- ✓ More than 90% of possible incidents and problems that could cause damage to machinery are detected during maintenance.
- ✓ Supported by the main manufacturers, we will help you to optimise your equipment, prolonging its service life.
- ✓ Guarantee of satisfaction and efficiency with all the advantages that only an Official Approved Technical Service can offer.



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# TRANLUZ<sup>®</sup>

## TECHNICAL SERVICE

OFFICIAL TECHNICAL SERVICE



It's better to prevent!

5  
reasons

- ✓ Increased safety for the operator
- ✓ Maximum machine availability
- ✓ Increased productivity
- ✓ Lower maintenance and repair costs
- ✓ Prolonged service life of equipment

**TRANLUZ<sup>®</sup>**



info



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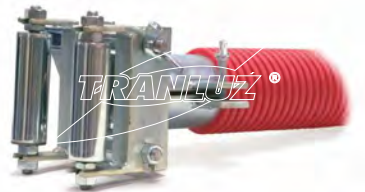


STRAIGHT GUIDE TL2914



ANGLE GUIDE TL2915

DUCT FEEDER



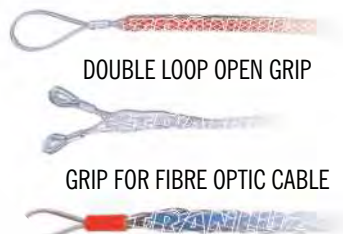
THREE  
CONDUCTOR  
PULLING HEAD  
TL6029



GRIP WITH 1 LOOP

DOUBLE LOOP OPEN GRIP

GRIP FOR FIBRE OPTIC CABLE



## Cable Guides

For Tranluz it is essential to present tools and accessories that guarantee the efficiency of operations as well as the safety of users. Our extensive experience allows us to combine and present the most complete range of underground laying elements on the market. We highlight the wide range of laying rollers, from the simplest (straight rollers) to those of our own development, which have a more reinforced manufacture. Some models are adaptable to different lengths according to need.

See models and characteristics in our Catalogue 02 Underground cable laying Page 03-06.

## Pulling Heads and Sleeves

Designed for laying M.V. cables in trenches, but especially for laying underground pipes. Their streamlined, compact and smooth shape reduces friction. The single-pole version has a conductor fixing system (which does not require special tools for installation) for safe and reliable traction.

The swivel head prevents the conductor from twisting during installation. Wide range of pulling sleeves made of steel wire which allow high pulling forces without losing their flexibility. When the sleeve is pulled, the strain is distributed over the entire surface of the cable, preventing damage to the conductor.

Consultar modelos y características en nuestro Catálogo 02 Tendido Subterráneo Páginas 18/19.

## Lubricants

Polywater is the leading manufacturer of high performance cable lubricant gels. The lubricants provide maximum stress reduction in all types of cable laying. They are especially recommended for long runs and those containing many bends. When dry, the lubricants become a thin film that retains its lubricity for months after initial use.

There is a lubricant model for every application, underground, fibre optic, halogen free etc. ....

There is also a wide range of packaging depending on the working requirements

See models and characteristics in our Catalogue 02 Underground cable laying Page 08-11.



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## DYNATEL Locators

Fast, accurate and compact fault locators represent a breakthrough in current fault locating technology for the professionals in the field.

They offer a wide range of features with advanced digital processing, combining simple interfaces with precision locating functions.

See models and characteristics in our Catalogue 02 Underground cable laying Page 20-21.



**CABLE  
LOCATOR  
TL2689**



**ADVANCED  
LOCATOR  
TLG661**



## Fibreglass Guides

Fibreglass guides, manufactured in a wide range of diameters and lengths, allow virtually effortless insertion through conduit, even if the conduit contains conductors.

REFERENCE	Ø	LENGTH	DIMENSIONS
TLI693	6 mm.	60 MT.	550X238X603 mm.
TLI694	9 mm.	80 MT.	1040X470X980 mm.
TLI695	11 mm.	100 MT.	1057X566X1073 mm.
TLI696	11 mm.	120 MT.	1057X566X1073 mm.
TLI697	11 mm.	150 MT.	1057X566X1073 mm.
TLI698	11 mm.	200 MT.	1057X566X1073 mm.
TLI699	11 mm.	250 MT.	1057X566X1073 mm.
TLI700	11 mm.	300 MT.	1057X566X1073 mm.

See models and characteristics in our Catalogue 02 Underground cable laying Page 16-17.



They should never be used to pull the cable directly.

## Coil Jack with Wheels

Equipment for universal use in the electrical and telecommunications sector, high performance.

- Coil jack with roller head and safety brake, allows a maximum coil Ø of 2400mm. Load capacity 5000 Kg.
- Coil-holding shaft fitted with rotating bushes at the ends and conical bushes in the centre. The axle is supplied separately, it is not included in the pair of jacks.
- Set of reel chutes, consisting of 2 runners with aluminium rollers. Can be used with small and medium sized reels, regardless of the width of the reel, as the runners are independent. It has a working load of 3,000 kg.

See models and characteristics in our Catalogue 02 Underground cable laying Page 14-15.



**COIL JACK  
WITH WHEELS  
TL2833**



**SPARE REELS  
TL2820**



**STEEL REEL-HOLDER AXLE**



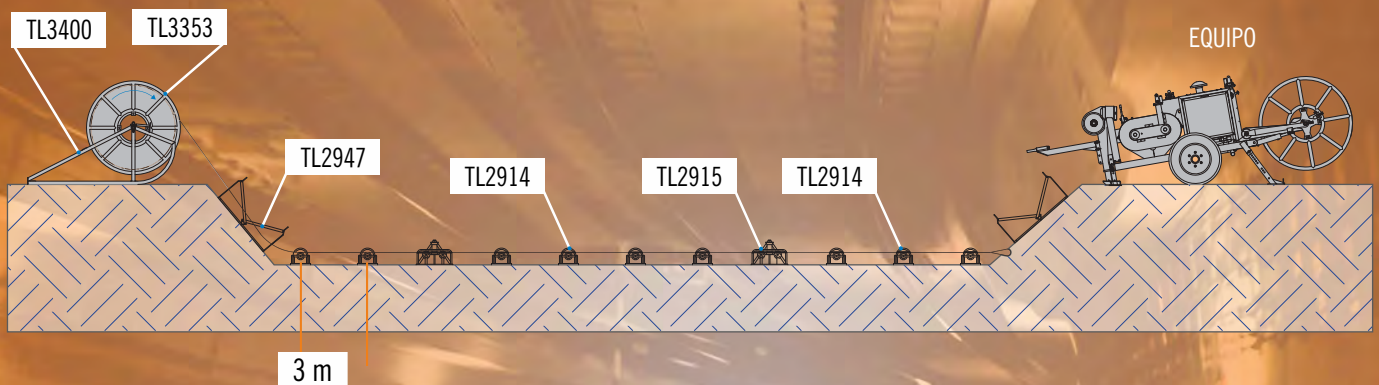
**REEL RAMPS  
TL2945**





# Underground cable laying application diagram

At Tranluz we have the necessary equipment to carry out all types of installation, from the simplest installation to the most ambitious projects, as well as to provide specialised technical advice. Please do not hesitate to contact us for further information.



TL3400



TL3353



TL2947



TL2914



TL2915



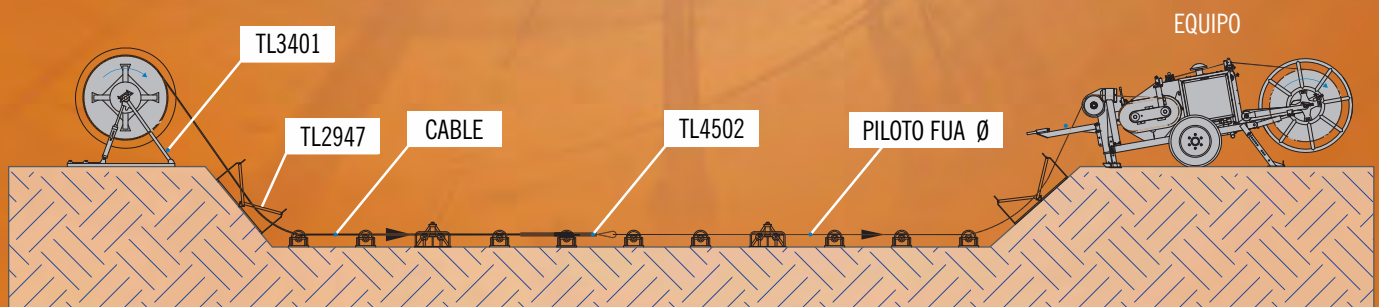
TL3401



PILOTO FUA Ø



MANGUITO







TRANLUZ<sup>®</sup>





**SAFETY HARNESS**



**POSITIONING ROPE TLG406**



**FASTENING ELEMENTS TLC827**

## Harnesses and Ropes

Harnesses and ropes designed to meet the most demanding needs. Wide variety of specific models and sizes for any type of work to be carried out. Semi-rigid and wide belts and leg loops for excellent support. Padded, separate shoulder straps to limit neck friction. In belt-loaded models, the shoulder straps support the load and distribute it to the shoulders. Normally with self-locking buckles for simple and quick adjustment.

See models and characteristics in our Catalogue 03 Personal Equipment Page 03-12.

**FALL  
ARRESTERS  
TLJ815**



**FALL ARRESTERS  
ASAP  
TLJ370**



**FALL ARRESTERS  
ASAP LOOK  
TLI094**



**ABSORBERS ASAP`SORBER TLF131**



## Fall Arresters

Installed on a safety rope, the sliding fall arresters accompany the user during his progression, both on an inclined plane and vertically. In the event of a collision or sudden acceleration, they lock to prevent the fall.

The energy absorbers allow the user to work separately from the rope to protect it during the work phases. Equipped with a tear-off strap, housed in a sheath that can be opened at the ends, the absorber is protected from abrasion, while allowing for periodic inspections. Ask for more information on these and other height equipment.

See models and characteristics in our Catalogue 03 Personal Equipment Page 19-20.

**GO100 HOOK TLB379**



**CROCHEVIT TL4213**



**COR150K  
TLG265**



## Connectors and Anchors

We offer different types of connectors with various shapes, sizes, opening capacities and locking systems to meet different needs.

Large opening directional connectors with automatic safety locking designed to connect to metal structures or large diameter cables and bars.

The connectors have a lockable connection point to combine with different types of lanyards. Some models have a special grip for attachment with a pole.

See models and characteristics in our Catalogue 03 Personal Equipment Page 13-15.



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## Suspension Work

Wide range of suspension work equipment, rope clamps for rope ascents that allow a comfortable and powerful grip, self-braking descenders with and without anti-panic locking function.

Foot and belay devices for rope ascents.

Pulleys that can be opened even when attached to the anchor, designed for easy installation of lifting or load deflection systems.

See models and characteristics in our Catalogue 03 Personal Equipment Page 25-28.

ROPE CLAMP  
TLE204



CROLL ROPE CLAMP  
TL6685



PRO PULLEY  
TLJ790



PRO TRAXION  
PULLEY  
TL6627



## Confined Spaces

Confined space devices, aluminium tripods with emergency recovery winches. Rollgliss rope ascent and descent systems offering high safety and rescue performance.

Davits designed for use in manhole entry/recovery applications.

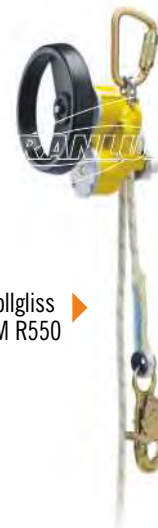
Portable fall arrest mast with excellent protection and full mobility for three workers on transformers or other vertical platforms where there is a fall hazard.

See models and characteristics in our Catalogue 03 Personal Equipment Page 29-35.

AM100  
ALUMINIUM TRIPOD  
TL4469



Rollgliss  
TM R550



## Safety Lines Temporary Horizontals

Horizontal temporary safety lines. We can highlight the HARIP, PROLINE model (portable, versatile and easy to install as it is not necessary to connect or disconnect components, it has a built-in absorber that reduces loads at the ends.

The EZ-Line™ model is very easy and quick to use and assemble. The innovative retractable design of the EZ-Line™ eliminates large, bulky cable reels that are difficult to install, reposition and store. It has a built-in winch for quick and easy installation, use and removal

See models and characteristics in our Catalogue 03 Personal Equipment Page 38.

WITH LIFELINE HARIP



WITH EZ PROLINE



WITH EZ LINE





## UNI-8 OVERHEAD



## UNI-8 Overhead Safety Line

The Uni 8™ Overhead system is suitable when the anchorage point is above the user's head. This system was initially developed to meet the needs of industrial and transportation customers, including applications for trucks, trains, aircraft, crane runways and loading docks. It can support heavy fall arrest and descent devices at controlled speeds, and ensures free and unimpeded movement for the worker when working at height.

See models and characteristics in our Catalogue 03 Personal Equipement Page 39.



Roff Safe (Special sheet metal roofing)

## Roff Safe Safety Line

The RoofSafe anchorage has been designed to eliminate or substantially reduce the risk of injury to operators working at height, while ensuring the integrity of the structure to which it is attached.

This new technologically advanced RoofSafe system can take advantage of modern roof design and ensure structural integrity and safety. In addition, as the need to comply with health and safety regulations increases, so does the need for safety solutions on older buildings and structures.

See models and characteristics in our Catalogue 03 Personal Equipement Page 41.



Alquitrán

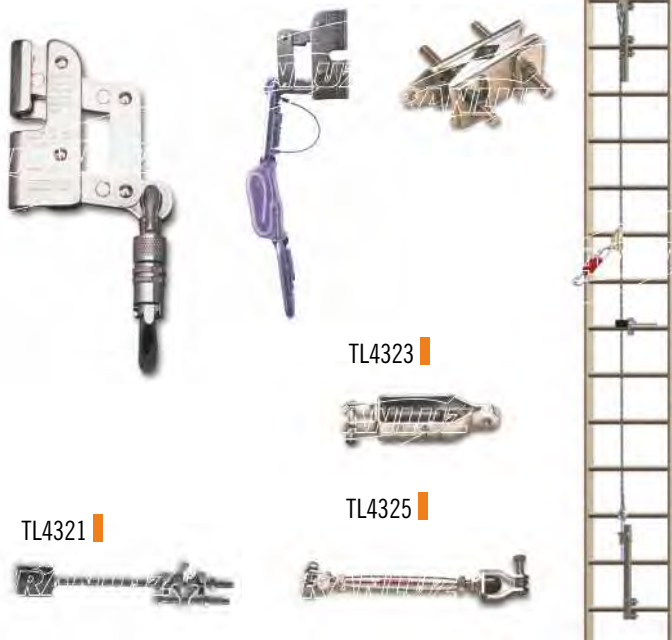
Ensamblados

PVC

TL4327

TL4271

TL4326



TL4323

TL4325

TL4321

## Cabloc Safety Line

The Cabloc™ vertical cable system consists of an 8 mm cable terminated with a cable ferrule at the upper end and cable clamps at the lower end. The cable is supported by intermediate cable guides at 10 m intervals.

Installation is quick and easy, you can mount it on a ladder or pillar. The Cabloc™ slider is lightweight and fits in the palm of your hand. If an 8 mm (7 x 19) stainless steel cable is used, a version incorporating an absorber can be used which avoids the need for an in-line absorber.

**"The user may install this system  
in accordance with the Manufacturer's  
instructions."**

See models and characteristics in our Catalogue 03 Personal Equipement Page 37.

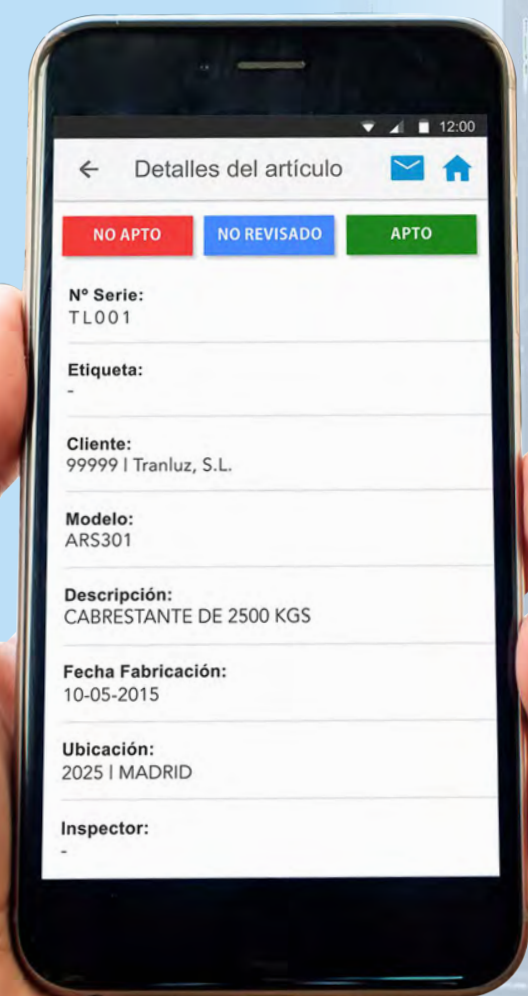
Tranluz is stepping up its technological commitment by offering its customers **“Revisa”**, a complete, real-time traceability system for the control of personal protective equipment.

Revisa is the result of years of experience and collaboration with safety professionals. We are sure that it is an effective and simple solution which allows the control of safety equipment, tools, machines and any element that needs to be checked periodically.

Major customers in the Electrical and Telecommunications Sector who have already implemented the system appreciate its efficiency and the wide range of resources it offers.



If you really want to control the state of your equipment, do not hesitate: **“Revisa”** is a great tool.



✓ Our staff will carry out the inspections at your or our premises.

✓ You will be able to access the information in real time from a mobile phone, tablet or PC.

✓ The system is a complement to the management of prevention services.

✓ The reading of data will be available online and workers will be able to access the reports by serial number and by zone or location.

✓ Every report you view or print will have the signature of the inspector who carried out the inspection.



# Re✓isa

Maximum Control for your  
**PPE, Lifelines, Winches.....**

*Investing in Safety at Work  
is profitable for companies. !*



- ☒ APP
- ☒ WEB
- ☒ NFC
- ☒ Reports
- ☒ Maximum Control

Find out more

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## Head Protection

The European standard EN 397 certifies the methods, materials and characteristics that safety helmets must have, establishing the different permitted levels of impact absorption, puncture resistance, flame resistance, anchorage points, etc. There are helmets with integrated shields and helmets that can be fitted with almost any type of element that provides additional safety, ear protectors, face shields, protective goggles, etc.

See models and characteristics in our Catalogue 03 Personal Equipment Page 43-47.

EV03



REFERENCE

TLD502

TLE435

TLD503

COLOUR

White

Blue

Yellow

IDRA SAFETY  
HELMET WITH  
ELECTRICAL  
SAFETY SHIELD  
TL1984



IDRA SAFETY  
HELMET 2 WITH  
ELECTRICAL  
PROTECTION  
SHIELD  
TLE371



## Hand Protection

A wide variety of gloves of all types, mechanical protection, anti-cut equipment, flame retardant, overgloves, etc.

I should underline the insulated gloves as we have a wide and renewed stock, complying rigorously with the dating of the products.

**They have a serial number that allows traceability.**

We supply gloves on the date requested by you (scheduling of supply).

See models and characteristics in our Catalogue 03 Personal Equipment Page 48-50.

FIREPROOF  
EQUIPMENT



OVER-GLOVES



INSULATION GLOVES



FUSE PULLERS  
TL3786

## Foot Protection

All the models marketed in this section offer an excellent level of quality that confirms the will to develop in a line of continuous progress. Always highlighting the 3 necessary elements that identify our footwear: **protection, articulation and ergonomics.**

There are new models with attractive esthetics, made with high tenacity, anti-allergic fabric, highly resistant to abrasion. Lightweight, water-repellant and highly breathable materials are used to guarantee thermal comfort. There are models with cowhide reinforcement in strategic rubbing areas and an anti-shock polyurethane back panel to increase foot protection and reduce possible impacts. Contact us.

See models and characteristics in our Catalogue 03 Personal Equipment Page 57-58.



SAFETY BOOTS FOR ELECTRICIANS



CALF-LENGTH BOOTS



SAFETY SHOES

INSULATION  
BOOTS 20.000 V.  
TL1985





## Specialists in Machines and Tools for Electrical Installers



WATER RESISTANT  
CLOTHING



ANTISTATIC  
CLOTHING



CLASS 2 AND 3  
FIREPROOF CLOTHING



## Body Protection

- Fire retardant and flame retardant garments certified against the risk of burns caused by electric arc.
- Permanent antistatic garment.
- Permanent flame retardant, repellent to liquids including corrosive liquids and dust. Category III, Class 1 or Class 2
- Cold weather clothing, waterproof clothing etc. ....

We put your company logo: screen-printed transfer or embroidered logo with adhesive shield.

See models and characteristics in our Catalogue 03 Personal Equipement Page 51-56.

TL874



TL9655



TL6649



TL1012



## Lighting

New technologies make it possible to develop and design increasingly powerful, lighter torches adapted to the needs of professionals. Exceptionally powerful and very robust, they are designed for intensive use in industry, maintenance and inspection. They are compact and very light.

A wide range of rechargeable torches and accessories is available. From metal housing to ABS plastic body.

See models and characteristics in our Catalogue 03 Personal Equipement Page 59/60.

MicroRAE™  
TLH614



## Gas Meter

Real-time visibility of threats, with an exceptional level of wireless flexibility and ease of use. So you can make faster, more informed decisions to improve security and operations. Location tracking for constant security awareness.

With real-time monitoring and location tracking, you can plan the right response, protect your workers and prevent costly downtime.

Applications: Confined space entry, Hazmat emergencies, exploration, plant shutdowns and maintenance.

See models and characteristics in our Catalogue 03 Personal Equipement Page 61.







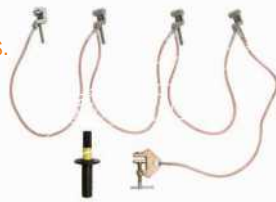
**TLK650**

lcc. 7,2kA eff/0,20s.



**TLF487**

lcc. 8 kA/1s.



**TL8230**

lcc. 4 kA/1s.



## ■ Earthing Equipment for Low Voltage

Earthing and short-circuit equipment for low voltage.

The main purpose of their installation is to protect the worker against accidental start-up or possible voltage return during repair work.

See models and characteristics in our Catalogue 04 Electrical Safety Page 03-06.

**OVERHEAD  
LINE EQUIPMENT  
TLC021**

lcc. 8,6 kA/1s.



**TRANSFORMER SUBSTATION  
EQUIPMENT  
TL3869**

lcc. 12,4 kA/1s.



**OVERHEAD HIGH VOLTAGE LINE EQUIPMENT TL9228** lcc. 15,1 kA/1s.

## ■ Earthing Equipment for Medium and High Tension

Wide range of equipment, including those used for substations, transformer stations and overhead lines.

Request the configuration you need according to the section and length of the cable, type of clamps and poles as well as the different connections (threaded, hexagonal, bayonet....).

See models and characteristics in our Catalogue 04 Electrical Safety Page 08-14.

**DEVICE MTR001 TI3490**



## ■ Special Earthing Equipment

Specials earthing equipment, here you can find equipment for High Speed Railway Contact Lines, contact Lines of 3 kV.

Earthing equipment for Transport Lines, without forgetting the devices for grounding of conductors, during the laying, which allow the grounding of cables or conductors in movement during the laying.

See models and characteristics in our Catalogue 04 Electrical Safety Page 15-18.



#### Spain

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#### Delegation in Poland

Ul. Podkarpacka, 191.  
35083 Rzeszów (Poland)  
Tel. (+48) 609027109  
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## Telescopic Sticks

Made of fibreglass tube. Its triangular design allows each section to lock automatically without the need to rotate the sections to find the push button. The upper section is fluorescent green and filled with polyurethane foam. The model (MV) is the perfect combination of two poles, manoeuvring and height measuring. In addition to performing the manoeuvres typical of a pole of these characteristics, it can measure high heights. The reading is at eye level.

See models and characteristics in our Catalogue 04 Electrical Safety Page 21-26.



TELESCOPIC POLE FOR WORKS



MANOEUVRING HOOK



TELESCOPIC MEASURING POLE

## Attachable Poles and Adapters

Linkable insulating poles, made of synthetic resin tube reinforced with fibreglass, certified according to CEI EN 61235 standard. They allow the head to be changed to adapt it to the manoeuvre that needs to be carried out. The base section has a rubber stopper at the bottom, hand guard and male fitting at the end.

The intermediate section has a female fitting for connection to the other section and a male fitting at the end. Different adapters can be fitted as required.

See models and characteristics in our Catalogue 04 Electrical Safety Page 22-23.



TLD597



TLD598



TLD599



TLD600



TLD601



TLD602

TLE908  
4 mts

TLE886  
6 mts



## Electronic Detectors

Extensive range of voltage detectors, including equipment for high-speed railway contact lines.

Voltage detectors for high voltage lines with wide measuring ranges (according to standard) and the new range of non-contact detectors for high voltage lines. Conforms to the European Electromagnetic Compatibility Directive. Conforms to IEC TR 61243-6 guidelines.

See models and characteristics in our Catalogue 04 Electrical Safety Page 29-35.



ELECTRONIC  
DETECTORS  
RMT1030  
TL3812

ELECTRONIC  
DETECTORS  
RMT3090  
TL3814



#### INDOOR INSULATING STOOL UP TO 45KvTL9069



#### VINYL FABRIC AND ACCESSORIES TL3824



## Protection and Insulation

You can count on us, we have a large stock of elements for insulation, benches, mats, vinyl fabrics with their corresponding accessories, profiles, thimble wedges for cables, insulating wires, etc... Ask us and you will find interesting novelties that will facilitate your activity, for example we will supply you with our insulating gloves and mats, with the necessary marking for easy traceability.

See models and characteristics in our Catalogue 04 Electrical Safety Page 39-40.

#### FIRST AID KIT TL4695



#### RESCUE KITS



#### FIRE EXTINGUISHERS



## Protection and Rescue

First aid is essential to act effectively while assistance arrives. Providing immediate attention to an accident victim at the scene is essential. In this section you will find elements that facilitate/help to mitigate or solve these situations. Rescue kits in different compositions, first aid kits, fire blankets, fire extinguishers etc.

See models and characteristics in our Catalogue 04 Electrical Safety Page 42-43.



## Signposting

The purpose of signposting is to indicate possible situations related to safety, worksites, workplaces and workplaces, with a view to the protection of workers and third parties.

This signage, related to a specific object or situation likely to cause danger or as an indicator of the location of devices and equipment that are important from the point of view of safety, provides information by means of a geometric shape, colour and a symbol.

We have a large stock of signs for the electrical industry.

See models and characteristics in our Catalogue 04 Electrical Safety Page 44-46.



Cost-effective and quick solutions to the specific needs that the market requires.

Our offer is aimed at covering the specific needs of each customer, from the smallest to the largest production runs, whether underground or overhead, and of course regardless of the rental requested is for a single day, week, month, etc..., offering complete and personalised technical assistance.

We have a professional team with extensive knowledge and experience that will advise and guide you so that the choice of equipment is the best for you.

If you need assistance on site, you can rely on our customer service. **Rent Puller** provides you with our Telephone Technical Assistance Service through which you are attended quickly and easily. All your questions and requests regarding the rented equipment will be solved in a simple and fast way.

## Wide range of rental equipment





# Rent Puller

**Equipos de Tendidos**

## Smart Rental!

Fixed Cost Reduction



**Cost reduction**

- 1- Initial investment cost of the equipment
- 2- Repair costs
- 3- Logistics
- 4- Maintenance costs
- 5- Insurance and storage...
- 6- Deductible expense...



**Reduction of operational costs**

- 1- Immediate availability
- 2- Integral maintenance
- 3- Certifications
- 4- Advice and Maintenance
- 5- Reduction of workload peaks
- 6- Technical advice...

## Contact us!

**(+34) 954367290**

[comercial@tranluz.com](mailto:comercial@tranluz.com)

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**TRANLUZ®**





TRINLUZ®



CRIMPERS HT131UC  
TL1254



CRIMPERS HT51KV  
TL6795

See  
ISOLATED



## ■ Crimpers

Robust and upgraded machines feature dual speed; fast pressure for crimping the dies onto the connectors and a slower, more powerful speed for crimping. For ease of use and operator comfort the head can rotate 180 degrees. Automatic safety relief valve when maximum pressure is reached. The decompression system can be easily activated at any time. There are also insulated models available.

See models and characteristics in our Catalogue 05 Hidraulyc Tools Page 03-05.

HYDRAULIC MANUAL HTTC041N  
TL1257



## ■ Hydraulic Manual Cutters

Hydraulic manual cutters, designed to cut different types of copper, Aldrey, aluminium, steel aluminium, steel cables and aluminium and steel bars, depending on the model of the equipment. More compact, robust and easy to handle models. The blades are made of very hard steel, treated at high temperatures to guarantee their durability. The head can rotate 180 degrees allowing the operator to work in the most comfortable position; it can also be opened without difficulty to cut continuous cables.

They are equipped with an automatic safety relief valve when the maximum pressure is reached. It is also equipped with a decompression device that is easy to use at any stage of the operation.

See models and characteristics in our Catalogue 05 Hidraulyc Tools Page 05-07.

PEDAL PUMP P07000  
TI1333



PETROL PUMP CPP001  
TL3388



FOOT PEDAL CONTROL PA-6  
TL1593



## ■ Hydraulic Actuators

Hydraulic pedal-operated equipment with double speed, reaching a maximum pressure of 700 bar. They are supplied with flexible high-pressure hoses, fitted with self-closing quick-release couplings. Pressure can be reduced at any stage of operation by releasing the decompression lever. Air actuators are available to convert an air supply of 6÷8 bar to a crimping or cutting force of up to up to 700 bar depending on the pressure produced.

As well as petrol drives with a maximum pressure of 700 bar, single or double acting depending on the model. For use in places where there is no electricity or air supply and where a long autonomy is required.

See models and characteristics in our Catalogue 05 Hidraulyc Tools Page 23-24.



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## Hydraulic Heads

Hydraulic compression and cutting heads, equipped with automatic couplings for connection to a hydraulic drive with a maximum pressure of 700 bar. More compact, robust and easy to handle models.

Some models are available as stand-alone versions.

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 08-13.

## Special Heads

New design with improved mechanical characteristics, in nut cutters, punching cylinders for panel cutters and punching heads equipped with automatic coupling for connection to a hydraulic drive.

There is a wide range of punching machines for sheet metal according to requirements as well as punch + die for punching of different diameters on copper, aluminium and steel bars.

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 14-15.

## Battery-Powered Hydraulic Tools

18 Volt Battery-Powered Hydraulic tool, light and balanced with a renewed hydraulic system with double speed action: one fast adjusting and the other slower but more powerful for cutting or crimping, depending on the model.

The tool is equipped with a maximum pressure valve, the head can rotate to allow the operator to work in the most comfortable positions. The new design and the balanced weight make it easy to manoeuvre during use, the reduced noise, the illumination of the working area by LED lights and the absence of vibrations make it more comfortable to use.

Some models in stand-alone version

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 16-22.

### Terminal Heads

HEAD RHU131C TL1355



HEAD RHC131KV TL1351



HEAD RHU230/630 TL1356



### Cutting Head

HEAD TC085 TL1367



### PUNCHING HEADS

TL1457



TL1461



TL1465



HYDRAULIC  
PUNCHING  
CYLINDER  
TL1456



HEADS FOR  
PUNCHING CYLINDERS



### BATTERY-POWERED TERMINAL CRIMPERS

TLJ511



TLH183



TLJ513



TL1202



PUNCHING MACHINE UPH120 TL1544 ■ BENDING MACHINE UDH200 TL1540 ■



## Units for Busbars

Units for busbars, there are 3 types of units, bending, punching and cutting machines in maximum 120 or 200 bar version, see characteristics. There is a wide range of accessories depending on the version of coordinate tables, centring clamps, end of stroke accessories, as well as a wide variety of round, square or oval punches.

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 28-30.

## Dies

In our catalogue you will find a wide range of dies for all the equipment we sell, as well as complementary information and information on the selection of dies according to the terminal or sleeve to be compressed. In any case, our technical department will be pleased to answer any questions you may have.

You can access complementary information on pages 32 and 33 of this document.

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 31-32.

## Accessories for Hydraulic Tools

Designed for use up to 700 bar with heads and cylinders. Pressure type (non-threaded) head change is done in seconds. Each half has a very precise system for a tight seal when disconnected. They allow a high oil flow. Supplied with dust caps.

The insulated quick release couplings have a different coupling system to prevent them being used on units or drives which have conventional quick release couplings.

See models and characteristics in our Catalogue 05 Hidraulic Tools Page 33-34.

### QUICK RELEASE COUPLINGS

TL2676 ■

TL2678 ■



### FLAT FACE QUICK RELEASE COUPLINGS

TL6989 ■

TL6990 ■



Female plug

Male Plug

### STANDARD HOSE



### NON-CONDUCTIVE HOSE



### STANDARD HYDRAULIC OILS



TL2413 ■ TL1049 ■ TL1157 ■ TL1590 ■



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## Deep Punching Dies

### DEEP PUNCHING DIES

HEXAGONAL COMPRESSION	SECTION MM <sup>2</sup>		HT120KV - HT131C - HT131UC	COBRE	
	COPPER	ALUMINIUM	BATTERY MODELS 1300 Y 1350	ECW-H3D	ECW-H3D
	25	25	TLF848	ADAPTER AU230-130D PARA ADAPTAR MATRICRES ME	ADAPTER AU520-130C PARA ADAPTAR MATRICRES ME
	35	35	TLF681		
	50	50	TLF849		
	70	70	TLF145		
	95	95	TLF682		
	120	120	TLF169		
	150	150	TLF683		
	185	185	TLF170		
	240	240	TLH424		
	300	300	TLH425		
	400			ME80-3D	ME80-520
	500			ME100-3D	ME100-520
	630			ME120-3D	ME120-520
	800				ME160-520
	1000				ME200-520



### SELECTION OF DIES FOR PRT HEADS

DESIGNATION	DIE CONDUCTOR			MATRIZ	
	DIAMETER (mm)		SECTION [mm <sup>2</sup> ]	Ø BETWEEN FACE SIZES (mm)	
	OUTER	STEEL		ALUMINIO	STEEL
LA-110	14,00	6,00	116,20	25,50	11,00
LA-145	15,75	6,75	147,10	25,50	12,50
LA-180	17,50	7,50	181,60	25,50	13,50
ZIGOLO	19,38	7,14	222,39	34,50	14,50
LARK	20,44	8,76	248,39	34,50	16,00
LA-280 (HAWK)	21,80	8,04	281,10	34,50	16,00
LA-380 (GULL)	25,38	8,46	381,00	39,50	16,00
LA-455 (CONDOR)	27,72	9,24	454,50	39,50	19,00
LA-545 (CARDINAL)	30,42	10,14	547,30	45,00	22,00
LA-635 (FINCH)	32,85	10,95	536,60	49,00	22,00



Punzón PS



MATRIZ TERMINALES

DEEP PUNCHING DIES				
For Equipment:  HT131UC RHU131C B135OUC B1300UC	SECTION	ADAPTER	END DIE	PUNCH
	50 mm <sup>2</sup>	TL1190	TL1320	TL1338
	70 mm <sup>2</sup>			
	95 mm <sup>2</sup>		TL1321	TL1340
	120 mm <sup>2</sup>			
	150 mm <sup>2</sup>	TL1199	TL1322	TL1345
	185 mm <sup>2</sup>			
	240 mm <sup>2</sup>		TL1316	
300 mm <sup>2</sup>				



Adap. Matrices



Matriz manguitos

DEEP PUNCHING DIES				
Para Equipos: HT131UC RHU131C B135OUC B1300UC	SECTION	ADAPTER	SLEEVE DIE	PUNCH
	70 mm <sup>2</sup>	TL1190	TL1324	TL1338
	90 mm <sup>2</sup>			
	120 mm <sup>2</sup>		TL1325	TL1340
	150 mm <sup>2</sup>			
	185 mm <sup>2</sup>	TL1199	TL1326	TL1345
	240 mm <sup>2</sup>			

Transport Box

Boxes for transporting hydraulic tools and their corresponding dies.  
Dies are not included.

TL1376 450X305X80 MM.

TL1377 620X380X135 MM.

TL1378 445X290X115 MM.



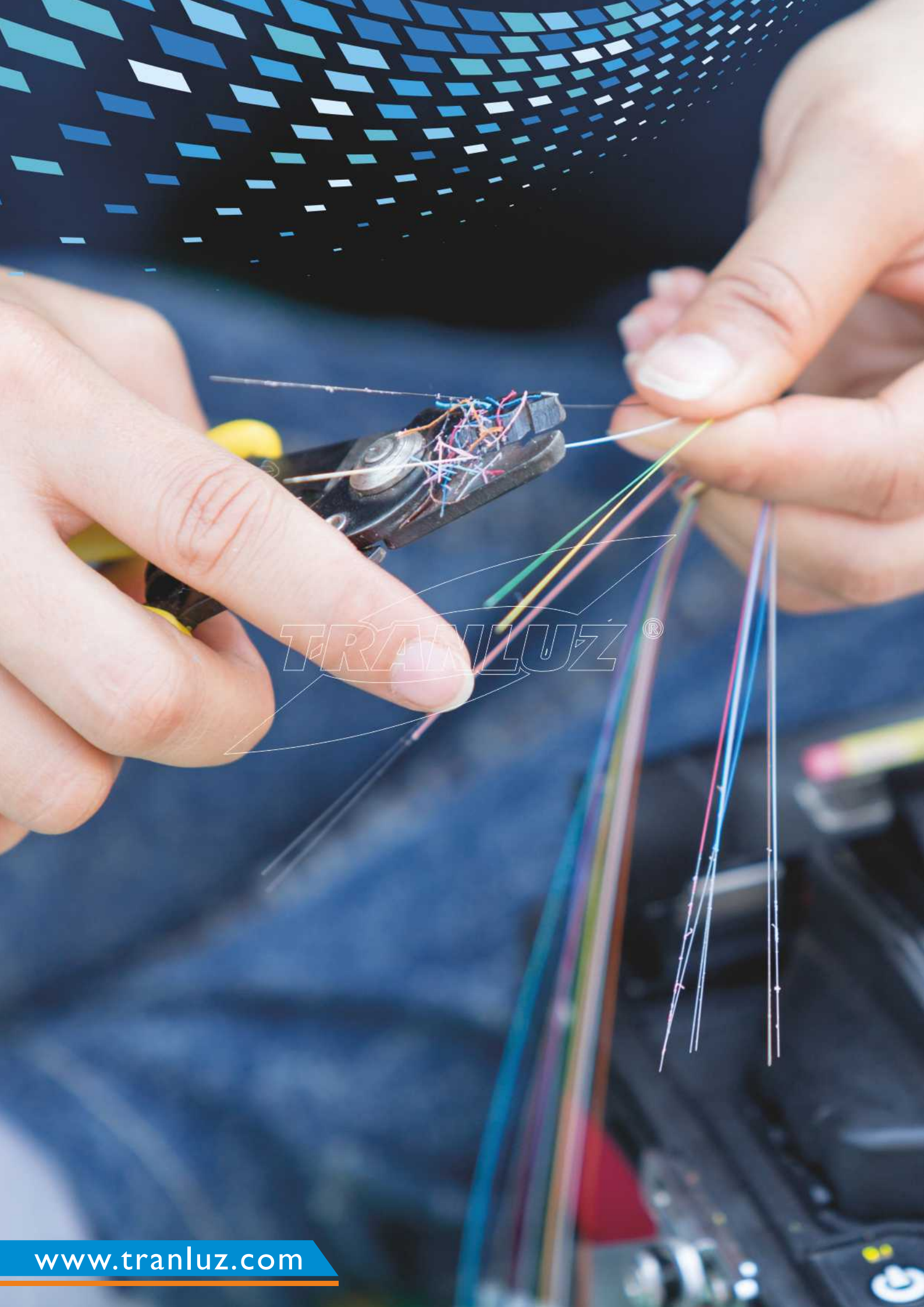
#### DIES FOR BRANCH CONNECTORS

	SECTION MM2				DIMENSIONS			DIE
	PRINCIPAL		DERIVADO					
REFERENCE	MAX.	MIN.	MAX.	MIN.	A	B	C	HT131C
TL1027	25	16	35	10	38	18,5	46	CC0 (2)
TL1031	35	16	6	2,5	25	14,2	17,5	CC4 (1)
TL1027	35	35	35	10	42	19,3	46	CC0 (2)
TL1028	70	35	6	2,5	33	18,5	19	CC1 (1)
TL1033	120	50	70	10	52	25,7	54	CC5 (2)
TL1029	120	95	25	10	43	23,7	43	CC2 (1)
TL1029	120	95	120	70	50	22,9	70	CC2 (2)
TL1030	185	120	70	10	58	29,3	54	CC3 (2)
TL1030	185	120	185	120	58	30,7	99	CC3 (3)
TL1030	240	120	120	70	58	29,6	99	CC3 (3)
TL1030	300	240	70	10	58	33,3	54	CC3 (2)

( ) Nº DE ENTALLAS.

It is important to select correctly the compression die, do not hesitate to ask our technical department.





MICROJET PRM 196



MINIJET™



CABLEJET



SUPERJET

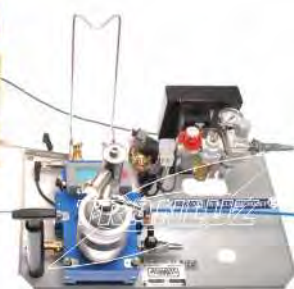


## Optical Fibre Equipment

When the telecommunications industry depends on a solid connection, Plumett equipment is always there. Optical fibre laying equipment designed for cable installation in micro-tube and tube installation. Available in hydraulic and pneumatic versions. Wide range of accessories.

See models and characteristics in our Catalogue 06 Fiber optic equipment Page 05,10-16.

INTELLI-MICROJET™



INTELLIJET



## Intellijet

In an increasingly demanding market Plumettaz designs equipment with advanced "IntelliJet" technology. This intelligent device monitors, supervises and records installation parameters. The Intellibox™ generates a detailed report, which can be exported as a PDF format via Wifi, Bluetooth or Memory Stick.

See models and characteristics in our Catalogue 06 Fiber optic equipment Page 06-09.

CHILLER  
271238



LIQUID LUBRICANT  
"PRELUBE 5000" TL8224



FIGARO POLIÉSTER  
FF2251001



CABLEJET ACCESSORIES



## Optical Fibre Add-ons

Complete stock of accessories, lubricating inserts, coolers, compressors, "Y" connectors as well as special lubricants for fibre in various packaging.

Interesting is the use of different accessories such as the cooler, which increases the distance, the speed of installation and reduces possible damage to the conductor due to high temperatures or the lubricators designed to lubricate the cable continuously and regularly, they are small, light and easy to use, they allow cables to be installed over longer distances at higher speeds. They are used with all Plumett blast machines.

See models and characteristics in our Catalogue 06 Fiber optic equipment Page 18-25.







STRIPPING PLIERS TLE010



STRIPPING PLIERS TLJ727



STRIPPING PLIERS TLJ728



STRIPPING PLIERS TLJ729



## Stripping Pliers

Complete range of manual cable strippers for removing the outer sheath of cables. Blades with different cutting depths, in all variants PAD, PBT, insulated etc...

See models and characteristics in our Catalogue 07 Cable Strippers Page 03-05.

TOOL OD PE PVC PB TLI050



TOOL OD PE PVC PB TLE039



TOOL FENTE TLD357



TOOL RABAT TLD358



## Cable Preparation Tools

Multifunctional equipment for cable preparation, with the same tool several operations can be carried out. Depending on the model, they allow the removal of the sheath, the semiconductor, both strippable and non-strippable, making slits, inserting a shield connection, etc...

See models and characteristics in our Catalogue 07 Cable Strippers Page 07-12.

TLJ735 STRIPPING TOOLS KIT



Equipment with the reference **TLJ736** can be supplied without the sharpening cones.

## Stripping Equipment

There are various sets of tools made up by the manufacturer, following basic criteria such as type of cable, sector, special cables according to the region or country, etc. Tranluz offers the possibility of adjusting the products according to your needs, putting at your disposal empty cases and all the individual elements, which will allow you to form your stripping equipment.

See models and characteristics in our Catalogue 07 Cable Strippers Page 13.







**WOODEN STAIR  
INDUSTRIAL STEPLADDER**



**TRIPLE  
EXTENSION  
LADDER**



## ■ Wooden Stairs Aluminium Stairs

Varnished with two coats of special polyurethane varnish for exteriors. Some models of wooden ladders are supplied with rope and pulley to climb the inner section. They are fitted with anti-slip cleats. With reference to the Aluminium ladders we have a wide range of models.

See models and characteristics in our Catalogue 08 Ladders and Scaffolding Page 14-18.

**STEPLADDERS  
WITH  
EXTENSIBLE  
SECTION**



**TRIPLE  
TRANSFORMABLE  
LADDER**



## ■ Fibreglass Ladders

Fibreglass ladders have been developed to be used in works at heights as a non-conductive element of electricity, being of great practical use for all professionals who work in the world of transport and the transformation of electrical energy.

There is a wide variety of models such as hook ladders, post support ladders, façade support ladders and "ladders with struts", which are supplied with wheels for sliding along the façade, stainless steel fittings, height-adjustable legs and an anchorage point for a lifeline.

See models and characteristics in our Catalogue 08 Ladders and Scaffolding Page 03-13.

**FIBREGLASS SCAFFOLDING**



**ALUMINIUM SCAFFOLDING  
DOUBLE WIDE**



## ■ Aluminium Scaffolding Fibreglass Scaffolding

Non-conductive fibreglass scaffolding for the electrical and industrial market. This scaffolding is made of fibreglass tube, easy to assemble (without tools), versatile, insulating and very resistant. The working platforms have a trap door for interior access.

Extensive range of aluminium scaffolding for the highest demands in terms of safety, durability and equipment. Excellent statics: No need for ballasting in case of central assembly in enclosed spaces.

See models and characteristics in our Catalogue 08 Ladders and Scaffolding Page 19-22.



We have a highly qualified team of professionals with more **than 30 years of experience in the sector** to guarantee the best service. A clear methodology aimed at achieving each of the skills through a combination of theoretical and practical classes.

**Standardised and/or certified training for Companies and Professionals.** In collaboration with one of the main Prevention Schools, Tranluz is developing other training where we will offer specific technical and professional training for company workers and professionals who need to acquire specific knowledge and competences to carry out certain tasks or in compliance with certain legal or voluntary regulations.

## Laying Equipment Operator Training Works

Participant will receive training on the Use and Handling of Electrical Laying Machinery, providing participants with the necessary knowledge to enable them to carry out their work, optimising resources on new equipment and accessories, methods of use, positioning, periodic control work (maintenance). For more information, please consult the website.



## Operator of Optical Fibre Laying Equipment

Students will receive training in the use and handling of fibre optic laying machinery, providing participants with the necessary knowledge to enable them to carry out their work, optimising resources on new equipment and accessories, methods of use, positioning, periodic control work (maintenance). For more information, please consult the website.



## Vertical Works

Qualify to be able to carry out vertical work and rescue at heights. This training is compulsory for all workers who carry out vertical work in accordance with RO 2177/04 and NPT 682 of the National Institute for Safety and Hygiene at Work (Instituto Nacional de Seguridad e Higiene en el Trabajo). UNE-EN 150 9001 approved training.



## Assembly and Use of Scaffolding

Training aimed at the obtention of the necessary theoretical and practical skills to assemble, use and dismantle scaffolding efficiently and safely according to current regulations. Obtain the Safety Certificate in Scaffolding Erection.



## Confined Spaces

Training aimed at the obtention of certification in accordance with the Law on Occupational Risk Prevention and RD 486/1997 on Minimum Safety and Health Provisions in the Workplace. Obtain the Confined Spaces Safety Certificate.



## Use of Booms, Trolleys and Ladders

Instruct the user in the use and handling of auxiliary elements in the erection of Power Lines. Comply with the provisions of RD 1215/97, which establishes the minimum health and safety provisions for the use of work equipment by workers, as well as the provisions of RD 2177/04, which amends Royal Decree 1215/1997, which establishes the minimum health and safety provisions for the use of work equipment by workers, in terms of temporary work at heights.



**See more at Personalised Courses for Company Groups!**





# TRANLUZ<sup>®</sup> TRAINING

Tranluz launches Training, a service demanded by our customers, which aims to meet the specific training needs of company managers that need to train their technicians.

Some courses within our training program:

- Laying Equipment Operator Course
- Optical Fibre Laying Equipment Operator
- Vertical Works
- Assembly and Use of Scaffolding
- Confined Spaces
- Use of Booms, Trolleys and Ladders

Visit our website in the training section to see the new courses or consult personalised courses for companies.

## Why choose Tranluz training?

- EN and CE standardised installations and equipment.
- Recognised and approved qualification in all sectors and with European validity.
- Experience with the largest Spanish and international companies.
- Customised training for companies.



**Contact us! 954367290** [comercial@tranluz.com](mailto:comercial@tranluz.com)

**www.TRANLUZ.com**





TRANLUZ®

VOLTAGE TESTERS



CURRENT CLAMP METERS



GAS METERS



## General Equipment

We have a wide selection of measuring instruments for different applications, clamp meters, electrical leak detection instruments, multimeters, insulation testers, earth testers, differential testers, etc...

See models and characteristics in our Catalogue 09 Measuring Devices Page 03-04.

EARTH POTENTIAL RISE TESTER



INSULATION TESTERS



EARTH RESISTANCE TESTERS



EARTH METER



## Earth and Resistance Insulation Measurement

Multifunction equipment and recorders, among many other products, make up the wide range of references we offer to facilitate troubleshooting and ensure safety in electrical installations. Earth potential rise testers make it possible to measure the voltages that appear between points on the ground (step voltage) or between earth and conductive parts (contact voltage) when there are leakage currents through the earth connection.

Millie and micro-ohmmeters, etc...  
Ask for the information you need.

See models and characteristics in our Catalogue 09 Measuring Devices Page 05-08.

CURVE  
PLOTTERS



CABLE LOCATOR TL2689



PHOTOVOLTAIC PANEL TESTERS

## Renewables

It is worth to mention the locators and of course the low and medium voltage cable identifiers, in electrical maintenance works, they identify with and without voltage and work on single-phase conductors, 3-phase conductors or 3-phase + neutral conductors.

The verification and maintenance of photovoltaic panels has become a basic and increasingly demanded process as well as curve plotters and other equipment which we will be happy to inform you about.

See models and characteristics in our Catalogue 09 Measuring Devices Page 09-12.





SERVICIO TÉCNICO  
**TRANLUZ**



GENERATOR SET TL5547



CD15M3 WINDING MACHINE TL2853



MAGNETIC  
DRILLS



MANUAL WINDING MACHINE TL5521



## Electrical Equipment

We have adapted our equipment catalogue to the demands of the market, and to the evolution and innovation in the Electrical and Telecommunications sector. We therefore offer Top Brands with the best service and with the guarantee and professionalism guaranteed by more than 35 years of experience in the sector. In this section you will find: power generators, winding machines, welding equipment, magnetic drills and other electrical equipment.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 03-13.

INSULATED HAND TOOLS



## Insulated Hand Tools

Insulated hand tools for working under voltage or in the vicinity of live parts with rated voltages up to 1,000 V AC and 1,500 V DC.

They must comply with the international standard IEC EN 60900.

They are identified by the marking: 1000V (double triangle) IEC EN 60900. Extensive range of individual insulated tools and specific equipment as required.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 14-28.

ATEX TOOLS



## INSULATED ATEX TOOLS

The solution to reduce the main risk when using metal tools in explosive atmospheres (generation of sparks due to friction or shocks to which the tool is subjected) is to apply a coating that protects the metal area against possible shocks or friction and that this coating does not generate sparks due to electrostatic phenomena.

The standard recommends that the coating used should be blue.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 29-35.



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## Conventional Tools

We are proud to have tackled a difficult task of grouping together a whole world of conventional tools, pliers, screwdrivers, drills, wire cutters, with countless sizes, models and references. Trust in our experience, we have the necessary means to attend to your enquiries and supply or inform you of the tool that best suits your request.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 36-51.



## Bags, Boxes and Cases

Having your tools organised and protected is essential to work quickly and efficiently.

Tranluz offers a wide selection of bags, cases, boxes and tool trunks so that all our customers can find the most suitable model for their needs.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 51-52.



## Prepare Your Equipment

Tranluz offers you the possibility to choose your tool kit already made by us following professional criteria based on our experience or, if you wish, you can select the elements you need and we will provide you with a personalised kit based on your needs.

In any case you can count on a wide range of products and professional advice from us. All this thanks to 35 years of experience in the sector.

See models and characteristics in our Catalogue 10 Electric and Hand Tools Page 51-52.











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