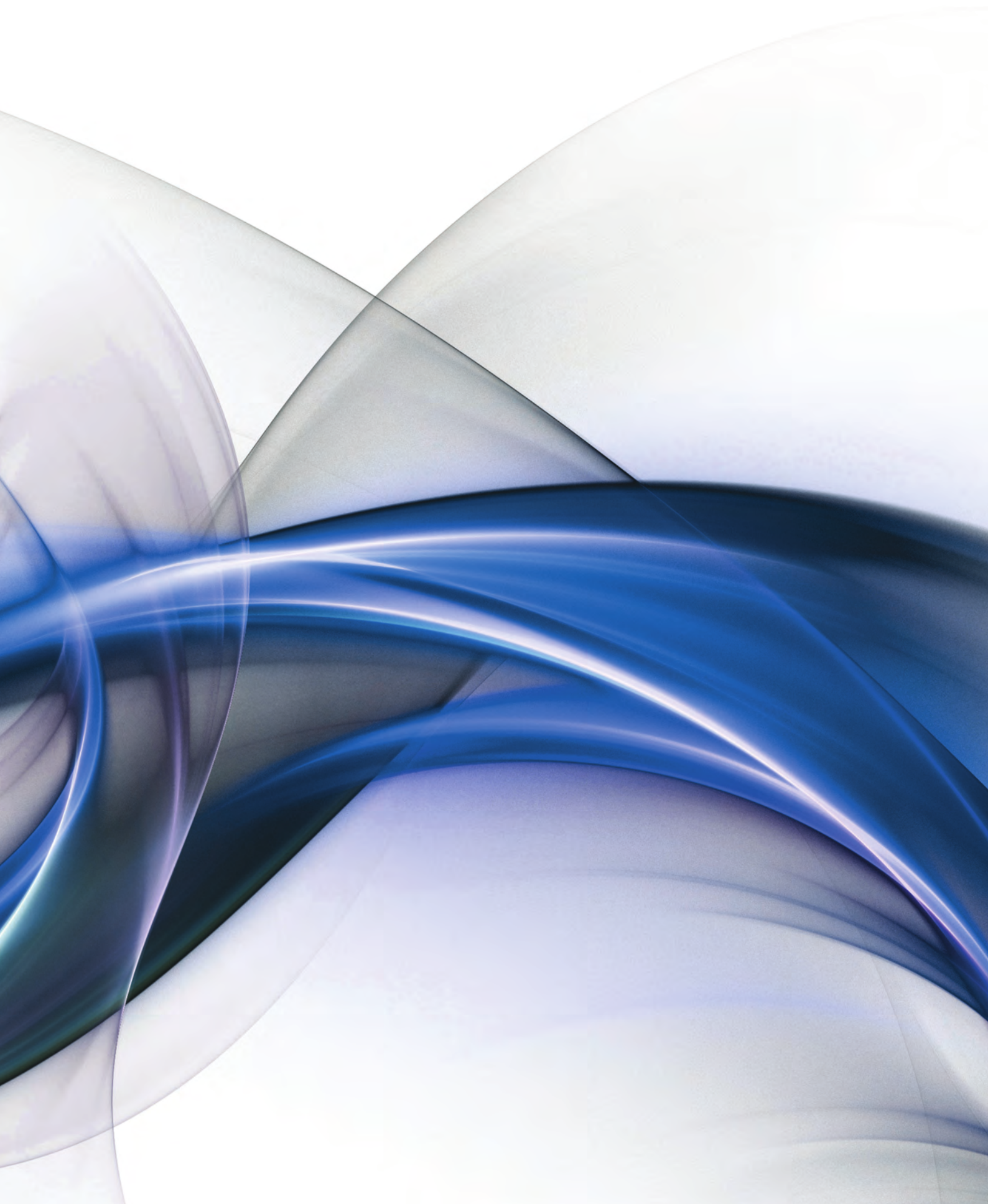
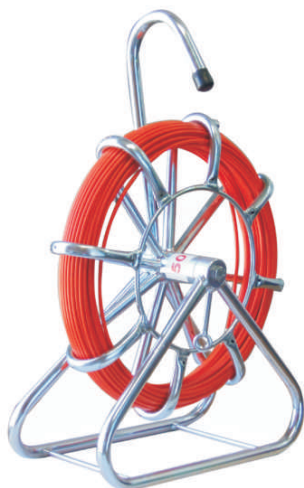


## 6. Tools



## • FIBER GUIDES



### Features

- Guides of high quality glass fiber with excellent tensile strength
- Covered on the outside by a sheath of polyester weatherproof giving them an excellent slip within ducts
- Other dimensions on consultations

Packages	Dimensions		Weight (kg)	Reference
	ø mm	Length (mt)		
Plastic box	3,0	30		CBS-3X30
	3,0	30		S/CARRO
Pipe structure Galvanized c / brake The bearing 9, 11 and 14mm wheels facilitate the handling and displacement	4,5	50	4,8	CBS-4,5X50
	4,5	50		S/CARRO
	6,7	60	9	CBS-6,7X60
	6,7	60		S/CARRO
	9,0	120	35	CBS-9X120
	9,0	120		S/CARRO
	11,0	150	48	CBS-11X150
	11,0	150		S/CARRO
	11,0	200	55	CBS-11X200
	11,0	200		S/CARRO
	11,0	250	62	CBS-11X250
	11,0	300	69	CBS-11X300
	11,0	300		S/CARRO
	14,0	200	73	CBS-14X200
	14,0	250	84	CBS-14X250

## • ACCESSORIES FOR FIBER GUIDES



Discription	Reference
Joints without internal thread for 3mm guide	B-100-1015-F
Terminal tip with external thread for 3mm guide	B-100-1016-F
Shackle tip to guide 3mm	B-100-1017-F
Glue tube for repairs	B-100-1027-F
Flexible tip guide 3mm to 8mm head	B-100-1033-F
Flexible tip guide 3mm to 11mm head	B-100-1134-F
Conical tip 4.5mm shackle to guide	B-101-TIP-F
Terminal tip with outer thread guide for 4.5mm	B-101-END-M-F
Joint without internal thread to guide 4.5mm	B-101-FERR-E
Tip with 1st Ext. Thread int. / 2nd Lisa to 6.7 mm guide	B-101-END-F-F
Conical tip with eyelet guide for 6.7 mm	B-102-TIP-F
Terminal tip with outer thread guide for 6.7 mm	B-102-END-M-F
Joint without internal thread guide for 6.7 mm	B-102-FERR-F
Tip with 1st Ext. Thread int. / 2nd Lisa to 6.7 mm guide	B-102-END-F-F
Terminal tip with screw ext. to guide 9mm	B-103-END-M-F
Joint without internal thread to guide 9mm	B-103-FERR-F
Tip with 1st Ext. Thread int. / 2.ªLisa for 9mm guide	B-103-END-F-F
Conical tip lug to guide 9 and 11 mm	B-103-4-TIP-F
Flexible tip lug to guide 9:11 mm	B-103-4-FLEX
Tip with bearing guide 9:11 mm	B-103-4-ROLL
Swivel ferrule threaded ext. Guide to 9:11 mm	B-103-4-SWIV
Terminal tip with external thread for 11mm guide	B-104-END-M-F
Tip with 1st Ext. Thread int. / 2nd Lisa guide to 11mm	B-104-END-F-F
Junction without internal thread for 11mm guide	B-104-FERR-F
Junction without internal thread for 14mm guide	B-105-FERR-F

## • ROLLERS

### • SIMPLE

#### Features

- Roller steel for underground placement
- Slip smooth through watertight bearings with protection against dust and other impurities

#### Reference

171M



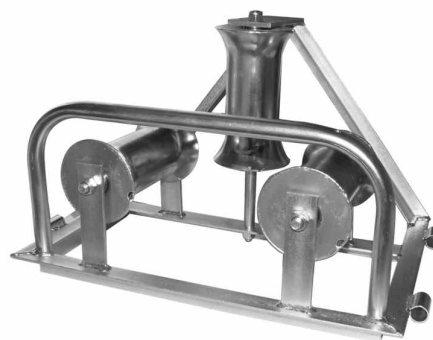
### • TRIPLE

#### Features

- Triple roller steel for passage of underground cables in the 90 curves

#### Reference

KER103



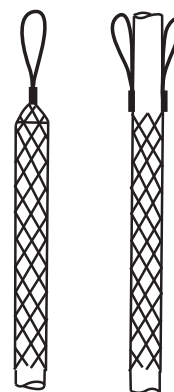
## • TRACTION SLEEVES

#### Features

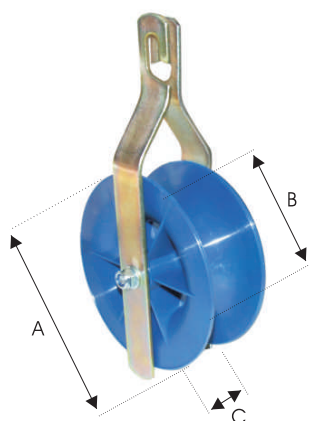
- Mangas traction to pull all kinds of cables electrical and telephone or with a diameter between 10mm and 180mm and tensile stresses 1860kg to 12736kg, double mesh with flexible lugs
- Length Of sleeves: 10 to 600mm 9mm ....;  
110 900mm to 180mm ....



Ø (mm)		(c/1 olhal)	(c/2 olhais)
10 a 20	1860	546/1021	546/1022
20 a 30	2256	546/2021	546/2022
30 a 40	3696	546/3021	546/3022
40 a 50	5490	546/4021	546/4022
50 a 65	5490	546/5021	546/5022
65 a 80	7320	546/6521	546/6522
80 a 95	7320	546/8021	546/8022
95 a 110	10613	546/9521	546/9522
110 a 130	10613	546/1121	546/1122
130 a 150	12736	546/1321	546/1322
150 a 180	12736	546/1521	546/1522



## • PULLEYS



### Features

- Sheaves for cables or overhead lines
- Made of nylon or aluminum

Material	Cable type	Dimensions (mm)			Reference
		A	B	C	
Aluminum	Telecom	200	160	80	PA 6
Aluminum	Torçada	150	105	80	RT2
Aluminum	Nu	245	210	60	R250AL
Aluminum	Nu	650	400	60	T400AL

## • CABLE SUPPORTS FOR COPS



### Features

- Supports for cable reels, made of steel, featuring roller bearings. The system allows carry, unfold and wrap the cable in the coil, with a minimum of effort. System for most valid existing coils
- Several payloads according to the model

## • MEASUREMENT WHEELS



### Features

- Equipment for the measurement of distances
- Possibility to read even with partial 10000mts in decimetres
- System with reset to zero
- Using measure for buried cables and traces pipelines
- Supplied with carrying case

Discription	Reference
Equipamento de medição	TRUMETER (5+1)
Equipamento de medição	TRUMETER 5500



## • JACKS FOR COILS

### Features

- Greater stability in working position thanks to a base support
- Made of rugged steel
- Elevation through threaded system (effective lift: 300mm)
- The lifting capacity of a set of two jacks doubled relative to the capacity of a single jack
- Base support "optional": Base to allow use of larger diameter coils. Effective height: 300 mm



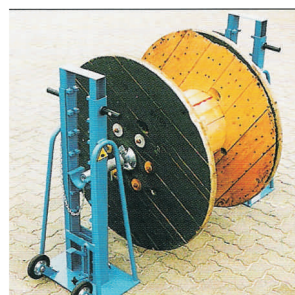
Lifting capacity per jack (ton)	Weight per jack (kg)	Height Close (mm)	Reference
3	16	300 + 570	D 246-1-F
6	22	300 + 710	D 247-F
8	27	300 + 835	D 248-1-F
Base de apoio			D 454-F
Eixo ø 50mm x 1220mm (19kg)			D 249
Eixo ø 75mm x 1830mm (37kg)			D 250

## Tools 6.

## • HYDRAULIC JACKS FOR COILS

### Features

- Greater stability in working position thanks to a wide base of support
- Run by hydraulic pedal
- With wheels to facilitate handling



Lifting capacity per 2 jacks	Weight per jack(kg)	Øs adm. of coils (mm)		Reference
		Mínimo	Máximo	
6 ton	55	900	2100	KT 267
10 ton	86	1000	3600	KT 268
Axes ø 70mm x 1800mm - 50 kg				Z 843
Flags for axes 76 ø				Z 807

\* Set with 2 jacks and a shaft

## • HOT AIR GENERATOR

### Features

	HL1610S	RAPID
- Power:	1600w	2000w
- Regulation:	2 níveis	Rotary temperature control (0-10)
- Temperature:	300° a 500°C	60° a 600°C
- Flow:	240/450 l/min.	500 l/min.

Designation	Reference
RAPID - 2000 w/500 l	QUICK-L ELECTRONIC
1600 w/400 l	HL1610S

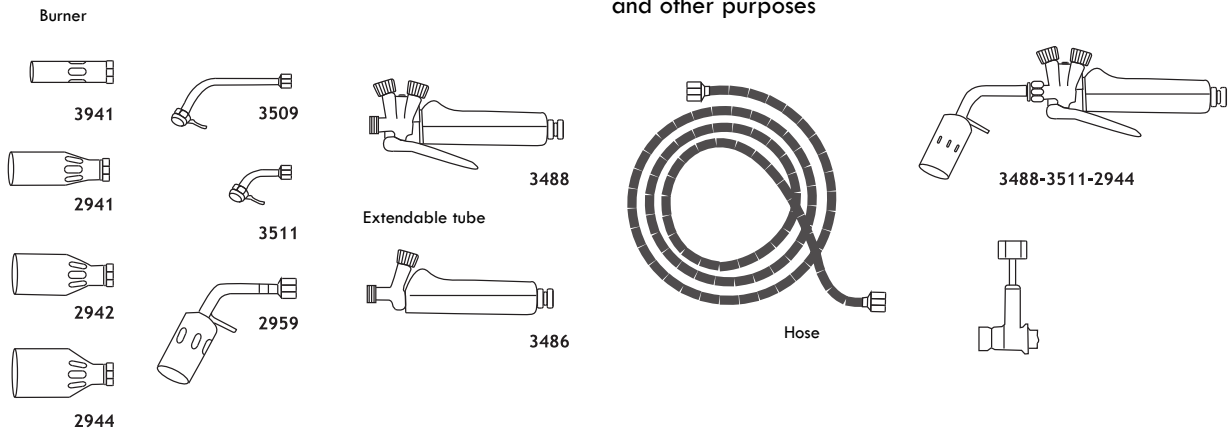


HL1610S

● Propane torch and accessories

Features

- Own torches to shrinkage of heat-shrink sleeves and other purposes



Discription	Reference
Full Torch for shrinkage of heat-shrink sleeves (no hose)	3488
Simple wrist	3486
Handle with economizer and pilot	3488
Burner (yellow flame) suitable for reduction of heat-shrink sleeves	2944
Burner hot air shrinkage of heat-shrink sleeves	2956
Burner (yellow flame) to decrease the heat-shrink sleeves	2959
Blue flame burner	2941
Burner (blue flame 35mm)	2942
Welding burner (blue flame concentrated)	3941
Extendable tube 7cm	3511
Extendable tube 18cm	3509
Reinforced hose ø 5mm (meter)	MANGUEIRA 5
Reinforced hose ø 6mm with 2 meters (racords included)	MANGUEIRA 2M
Reinforced hose ø 6mm with 5 meters (racords included)	MANGUEIRA 5M
Reducer for connecting hose	REDUTOR
Promatic fist	3366
Burner for drying joints	3334
Burner for heat shrink sleeves	3341
Regulator	3061

● HOTMELT COLA AND APPLICATORS

Features

- Fixing cables and wires by applying thermal paste



Discription	Reference
Thermostat glue applicator. Power 100w for glue ø 12mm	PAC114 c/mala
Thermostat glue applicator. Power 220w for glue ø 12mm	PAC116 c/mala
Opaque glue, normal, stick 300mm. Supplied in packs of 1 kg	Cola 12085
Transparent normal glue stick 300mm. Supplied in packs of 1 kg	Cola 300x11
Nozzle for glue applicator	114/116

## ● MANUAL HYDRAULIC PRESS

### ● Y35

#### Features

- Manual hydraulic press for crimping terminals and connectors in copper wires 10 and the aluminum 400mm<sup>2</sup> to 300mm<sup>2</sup> by applying appropriate punches and dies
- Can be used in any position since the pliers head is rotatable by an angle of 180°
- Strength: 12 tons
- Length: Approximately 58cm
- Weight: 6kg
- With the press is provided a portable metal enclosure



### ● Y39

#### Features

- With the same functions of Y35. Also spiking terminals, connectors and ferrules second French bimetallic standard, 16-300 mm
- Ferrule used for application of matrices and punches HN.68.D.90 with French standard application of punches adapter (UIADP-3) (NFC 33 090)
- With application adapter (UADP-1) throughout the range of the press Y35 arrays can be applied
- With the press is provided a portable metal enclosure



- The Reference Y39E1P1KE serves to modify a Y35 and turn it into Y39

#### Reference

Y35

Y39E1E

Y39E1P1KE

## ● MANUAL HYDRAULIC PLIER AND ACCESSORIES

#### Features

- Hydraulic rotary head pliers crimp terminals and connectors, copper and aluminum pre-insulated with hexagonal compression
- Strength: 52Kn
- Length: Approximately 372mm
- Weight: 2kg



Section mm <sup>2</sup>		Reference
Cobre CU	Aluminio AL	
10 a 185	-	Alicate HYCP 185
10 a 16	-	Matriz AHE 1016
25 a 35	16 a 25	Matriz AHE 2535
50 a 70	35 a 50	Matriz AHE 5070
95 a 120	70 a 95	Matriz AHE 95120
150	120	Matriz AHE 120
185	150	Matriz AHE 150
-	185	Matriz AHE 185

## • HYDRAULIC CRIMPING PLIERS AND ACCESSORIES



### Features

- Hydraulic Crimping pliers for pre-insulated connectors and terminals 16 to 95mm<sup>2</sup>, copper, aluminum and connectors in 'C' until 95mm<sup>2</sup>
- Swivel Head 180
- Strength: 5.5 tons
- Length: 35 mm
- Weight 2,72kg

#### • FOR PRE-INSULATED TERMINALS AND CONNECTORS

Description	Reference
Alicate hidráulico	Y500CT
Matriz para secção de 10 a 16 mm <sup>2</sup>	W140
Matriz para secção de 25 a 70 mm <sup>2</sup>	W173
Matriz para secção de 95 a 120 mm <sup>2</sup>	W215

#### • FOR CRIMPING COPPER PER PUNCHED

Secção mm2	Matriz	Puncture
10	W10C	
16	W16C	
25	W25C	WPQ5
35	W35C	
50	W50C	
70	W70C	
95	W95C	
120	W120C	WPQ6S
150	W150C	
185	W185C	

## • ADAPTERS

### • ARRAY ADAPTER UADP1

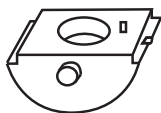


### Features

- Application Y39-E1-BHE
- To receive arrays of pliers Y35 (Y35BH)

Reference  
UADP1

### • ARRAY ADAPTER UADP3



### Features

- Application Y39-E1-BHE
- For punches, crimping terminals and connectors of the French standard HN.68.S.90 (NFC 33 090)

Reference  
UIADP3

### • ADAPTER WITH ARRAY INCLUDED

Reference  
YPQ1E  
YPQ2E  
YPQ4E

### • SPECIAL PUNCH TO TERMINAL REDUCED BIMETALLIC 300MM<sup>2</sup>



Reference  
U240A4N

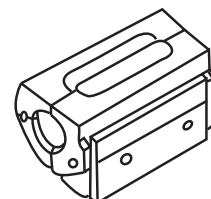


## • DIES AND PUNCHES

### • FOR HYDRAULIC PRESS (HEAD IN "U")

#### Features

- Application: Bimetallic terminals M. T.
- Norm EDF.HN.68S.90 / 33090
- Spiking by punching

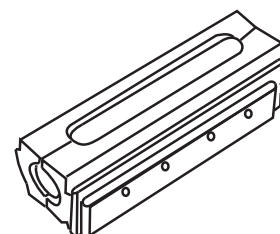


Tool	Section mm <sup>2</sup>	Matrix	Puncture
Y39	16	MC-0E	0E
	25	MC-0E	0E
	35	MC-0E	0E
	50	MC-1E	1E
	70	MC-1E	1E
	95	MC-1E	1E
	120	MC-2E	2E
	150	MC-2E	2E
	185	MC-4E	4E
	240	MC-4E	4E
JH520USE	300	MC-5E	5E
	400	MC-5E	5E
	500	MC-6E	6E
	630	MC-6E	6E

### • FOR HYDRAULIC PRESS (HEAD IN "U")

#### Features

- Application: Unions bimetallic M. T.
- French standard NFC-EDF



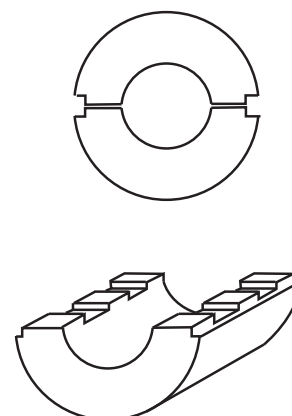
AL	Section CU	D EXT	Aluminum		Copper Throat
			Matrix	Puncture	
50 a 95	16 a 35	20mm	MJ-0E	0E	12MH173X10
50 a 95	50 a 95	20mm	MJ-1E	1E	
120 a 150	50 a 185	25mm	MJ-2E	2E	12MH215X10
185 a 240	95 240	32mm	MJ-4E	4E	12MH280X10

### • PARA PRENSA HIDRÁULICA Y-35/Y-39 (MATRIZES DE PRÉ-ARREDONDAMENTO)

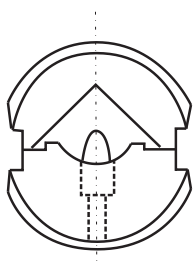
#### Features

- Application: sectoral stranded aluminum cables

Section mm <sup>2</sup>	Matrix
25	U025PRGE1T
35	U035PRGE1T
50	U050PRGE1T
70	U070PRGE1T
95	U095PRGE1T
120	U120PRGE1T
150	U150PRGE1T
185	U185PRGE1T
240	U240PRGE1T
300	U300PRGE1T



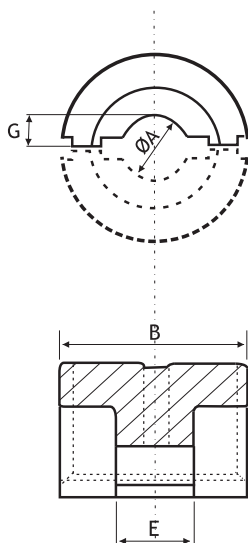
## •FOR HYDRAULIC PRESS Y-35 / Y-39



### Features

- Application: Terminals and sectoral joints aluminum sector 90, 4 conductors
- Spiking by punching

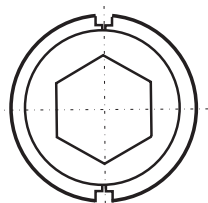
Section mm <sup>2</sup>	Puncture	Matrix
16	UP016A4	UNA-1
25	UP025A4	
35	UP035A4	
50	UP050A4	
70	UP070A4	
95	UP095A4	UNA-4
120	UP120A4	
150	UP150A4	
185	UP185A4	
240	UP240A4	
300	UP300A4	



### Features

- Application: Terminals and connectors round B.T.
- Circumferential crimping

Section mm <sup>2</sup>	Dimensions mm		mm	E	Reference
	A	G	B		
10	6,30	3,10	34,9	10,70	U8 CART
16	7,20	3,55	34,9	14,30	U6 CART
25	9,10	4,54	34,9	16,30	U4 CART
35	11,20	5,51	34,9	19,00	U2 CART
50	12,80	6,38	25,4	10,70	U25 ART
70	14,75	7,19	34,9	12,40	U25 ART
95	18,15	9,04	34,9	14,00	U28 ART
120	19,80	9,83	34,9	14,00	U29 ART
150	21,60	10,74	34,9	18,15	U30 ART
185	23,40	8,74	34,9	10,00	U31 ART
240	27,90	11,00	34,9	10,65	U34 ART
300	31,30	11,65	13,0	13,00	U36 ART



### Features

- Application: Terminals and connectors copper
- Hexagonal crimping

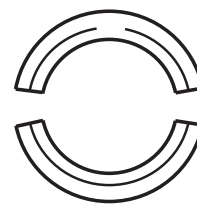
Section mm <sup>2</sup>	Matrix
10	U010BGE1 T
16	U016BGE1 T
25	U025BGE1 T
35	U035BGE1 T
50	U050BGE1 T
70	U070BGE1 T
95	U095BGE1 T

Section mm <sup>2</sup>	Matrix
120	U120BGE1 T
150	U150BGE1 T
185	U185BGE1 T
240	U240BGE1 T
300	U300BGE1 T
400	U400BGE1 T

## • For hydraulic press Y35/Y-39

### Features

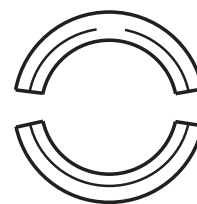
- Application: Connectors crimpits-copper (type C)
- Circular Spiking



Matrix	N.º Crimps	Connector type
U - BG	1	YC 4C8
	1	YC 4C6
	1	YC 4C4
U-C	1	YC 2C4
	1	YC 2C2
U-E	3	YC 26C2
	3	YC 26C26
	3	YC 28C2
U-F	3	YC 28C26
	3	YC 28C28
U-708	3	YC 29C29
	3	YC 31C28
	3	YC 150M

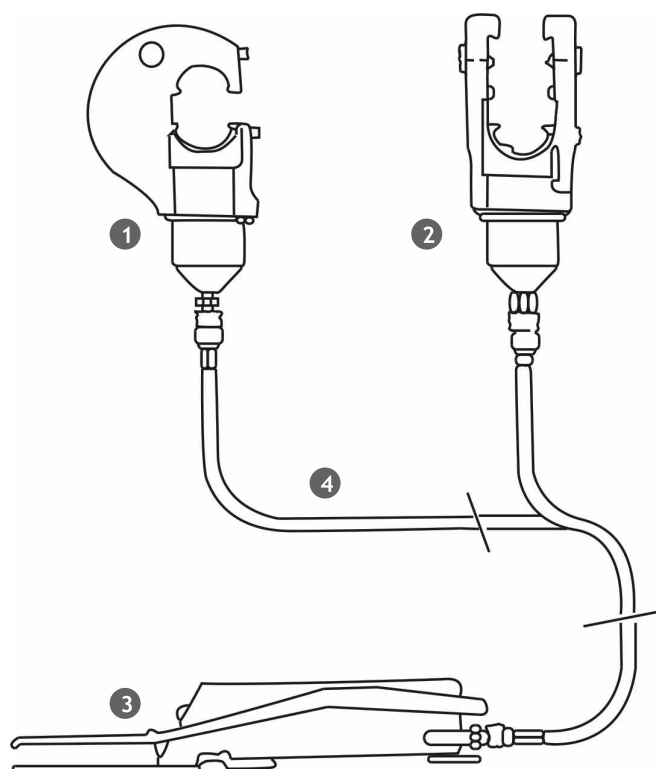
### Features

- Application: Connectors crimpits aluminum (type C)
- Circular Spiking



Matrix	N.º Crimps	Connector type
U - BG	2	YC 4 A6
	2	YC 4 A4
U-C	2	YC 2 A6
	2	YC 2 A4
	2	YC 2 A2
	2	YC 25 A4
	3	YC 25 A2
		YC 25 A25
U-D3	3	YC 26 A3
	3	YC 26 A2
	3	YC 26 A25
	3	YC 26 A26
U-F	3	YC 28 A2
	3	YC 28 A25
	3	YC 28 A26

## • HYDRAULIC PRESS THE PEDAL



### Features

#### Y35/Y39E1BHE

- With the same functions of Y35 and Y39 manual presses

#### Y46

- Head in "U" for the treadle pump
- Spikes terminals and fittings in copper (10 to 800mm<sup>2</sup>) and aluminum (10 to 630mm<sup>2</sup>)
- Strength: 15 tons
- SPIKES SECOND STANDARD FRENCH

#### THS20USE

- With the same functions Y46 / Y39
- Spikes terminals and connectors and copper and aluminum up 630mm<sup>2</sup>
- Strength: 20 tons
- Spikes SECOND STANDARD FRENCH
- SRU 210
- Head in 'U' to pump the pedal
- Spikes terminal and unions (25-630mm<sup>2</sup>)
- Strength: 20 tons
- SPIKES SECOND STANDARD FRENCH

Description	Reference
1- Type head "C"	Y35H
2- Type head "U"	Y39E1BHE
2- Type head "U"	SRU210
3- Treadle pump	P703F
4- Hose	PT91

## • ASSEMBLY "PERFORATING PUNCHES" WITH 6 DIES



### Features

- Can be used by any hydraulic pump with a maximum of 700 bar / 10,000 psi
- Matrix: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
- Strength: 12 ton
- Weight: 5.80 kgs

#### Reference

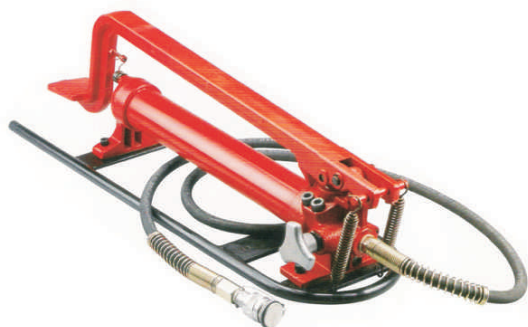
HYPH-052 0

## ● HYDRAULIC PUMPS

### ● HH-700 FT

#### Features

- Driven pedal (with safety valve)
- 2 speeds
- Supplied with metal housing
- Pressure: 700 bar / 10000 psi
- Weight: 8.90 kg)



#### Reference

HH-700FT

### ● HYP-700 FT

#### Features

- Driven by pedal (with safety valve)
- 2 speeds
- Supplied with metal housing
- Pressure: 700 bar / 10000 psi
- Weight: 13.5 kg)



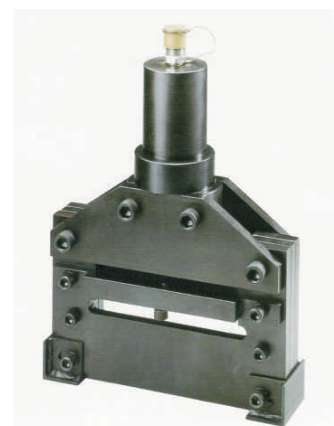
#### Reference

HYP-700FT

## ● HYDRAULIC HEAD

#### Features

- To cut the bars of iron, copper and aluminum up to 200mm wide and 13mm thick



#### Referência

HYBC-200



## • SAWS

### • RS-24



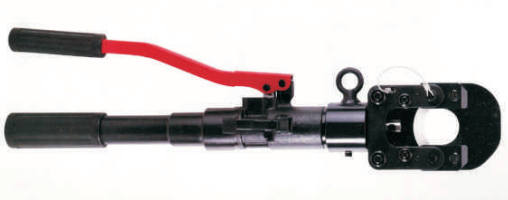
#### Features

- Pliers for cutting copper cables, aluminum and Al / steel (ACSR) up to 24mm
- Compression Strength: 7.6 kn
- Length: 426 mm
- Weight: 4 kg

#### Reference

RS-24

### • RS-38



#### Features

- Alicates para corte de cabos de cobre, alumínio e Al/aço (ACSR) até 38mm
- Força compressão: 6 kn
- Comprimento: 580 mm
- Peso: 5,7 kg

#### Reference

RS-38

## • SAWS



#### Features

- Manual cutter for copper and aluminum cables
- Do not cut steel or ACSR hard copper
- Blade booking
- Telephone Cables

Description	Reference
An outer diameter of up to 34mm (240mm <sup>2</sup> )	KT45 R
An outer diameter of up to 45mm max telephone cables	KT 45
An outer diameter of up to 62mm max telephone cables	KT 55

### • CC-08



#### Features

- Cut Coaxial Cable RG-6, RG-9 and cable until 10mm<sup>2</sup>
- Length: 165mm
- Weight: 0.15 kgs

#### Reference

CC-08

## ● SAWS

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### ● CC-22

#### Features

- For copper and aluminum cables up to 25mm<sup>2</sup>
- Length: 165 mm
- Weight: 0.19 kgs

#### Reference

CC-22



### ● CC-38

#### Features

- For copper and aluminum cables up to 38mm<sup>2</sup>
- Length: 210 mm
- Weight: 0.30 kgs

#### Reference

CC-38



### ● CC-60

#### Features

- For copper and aluminum cables up to 60 mm<sup>2</sup>
- Length: 235mm
- Weight: 0.38 kgs

#### Reference

CC-60



### ● CC-80

#### Features

- For copper and aluminum cables up to 80 mm<sup>2</sup>
- Length: 320mm
- Weight: 0.73 kgs

#### Reference

CC-80



## • SAWS

### • CC-250



#### Features

- For copper and aluminum cables up to 250mm<sup>2</sup>
- Length: 600mm
- Weight: 1.54 kgs

CC-250

### • SCC-60



#### Features

- For steel cables up to 5mm, 7mm wire up electrical, copper cable up to 60mm<sup>2</sup>
- Length: 310mm<sup>2</sup>
- Weight: 0.73 kgs

Reference

SCC-60

### • SCC-200



#### Features

- For steel cable up to 30mm, up to 12mm wire, copper cable up to 150mm<sup>2</sup>
- Length: 600mm
- Weight 1.80 ks

Reference

SCC-200

### • CXC



#### Features

- Cut any cable without deforming dielectric

Reference

CXC

### • RCC-325PH



#### Features

- For copper cable and aluminum up to 380mm<sup>2</sup> does not cut steel in ACSR
- Length: 285mm
- Weight: 0,85ks

Reference

RCC-325ph

## ● SAWS

### ● RCC-500/RCC-500PH

#### Features

RCC-500

- For copper wire to aluminum and 300mm<sup>2</sup> up to 600mm<sup>2</sup>, does not cut steel or ACSR

- Length: 285mm

- Weight: 0,85ks

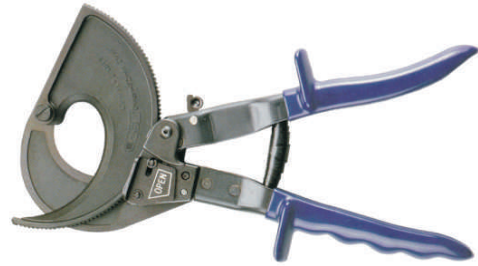
RCC-500PH

- For telephone cable up to 2700 pairs, diameter 70mm<sup>2</sup>

#### Reference

RCC-500

RCC-500PH



## ● PLIERS

### ● WSC-2030

#### Features

- Three functions: holding, stripping and cutting

- Made from special steel, with cutting quality and superior durability

- To wire up 0,5mm<sup>2</sup>

- Length: 155mm

- Weight: 115g

#### Reference

WSC-2030



### ● WSC-1022

#### Features

- Features same as the WS-2030

- For wire diameters between 1mm<sup>2</sup> and 1,5mm<sup>2</sup>

- Length: 155mm

- Weight: 115g

#### Reference

WSC-1022



### ● HD-0560

#### Features

- For crimping insulated terminals from 0.5 to 6mm<sup>2</sup>

- Length: 225mm

- Weight: 0,51kg

#### Reference

HD-0560



## • PLIERS

### • HD-16L



#### Features

- For non-insulated terminals from 0.5 to 16mm<sup>2</sup>
- Length: 275mm
- Weight: 0.52kg

#### Reference

HD-16L

### • HD-25L/HD-25X



#### Features

- For non-insulated terminals from 4.5 to 25mm<sup>2</sup>
- For hexagonal crimping add 'x' to the reference
- Length: 354mm
- Weight: 0,78kg

#### Reference

HD-25L

HD-25X

### • KH-150



#### Features

- To crimp terminals for punched from 10 to 120mm<sup>2</sup>
- Length: 570mm
- Weight: 3,10kg

#### Reference

KH-150 0

### • MY 2913GE2



#### Features

- Manual Crimping plier for punçonado with matrix incorporated by adjustable bolt for crimping terminals and connectors copper 10-120 mm<sup>2</sup> aluminum and 10 to 95mm<sup>2</sup>
- Length: 570mm
- Weight: 3.7kg

#### Reference

MY 2913GE2



## ● PLIERS

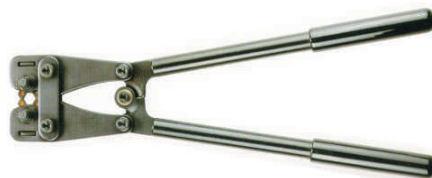
### ● HX-50B

#### Features

- For hexagonal crimping of 6 to 50mm<sup>2</sup>
- Length: 390mm
- Weight: 1,10kg

#### Reference

HD-0650



### ● HX-150B

#### Features

- For hexagonal crimping of 25 to 150mm<sup>2</sup>
- Length: 650mm
- Weight: 2,90kg

#### Reference

HD-25150



### ● HX-120B

#### Features

- For hexagonal crimping of 6 to 120mm<sup>2</sup>
- Length: 650mm
- Weight: 2,90kg

#### Reference

HD-06120



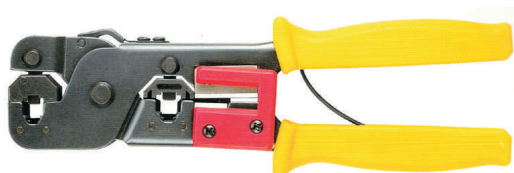
### ● RJ-46

#### Features

- To crimp telephone microfiche 4-6 positions
- Length: 220mm
- Weight: 0,32kg

#### Reference

RJ-46



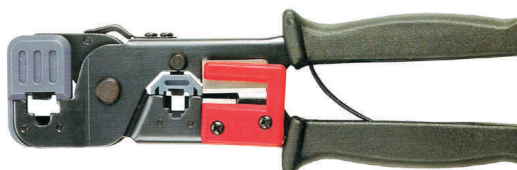
### ● WXN-708

#### Features

- To crimp telephone microfiche (RJ11 and RJ45) 6-8 positions
- Length: 220mm
- Weight: 0,32kg

#### Reference

WXN-708



● RCS-0425/RCS-2536



Features

- For stripping cable diameters from 4mm to 25mm
- Length: 155mm
- Weight: 0.15kg

Diameter	Reference
4 a 25	RCS-0425

● CLEANING TOOL

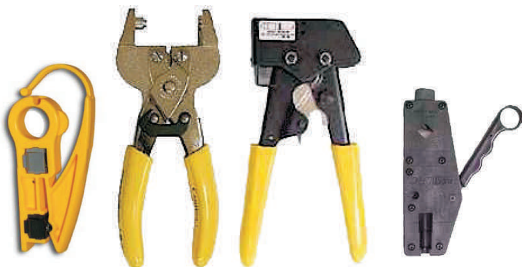


Features

- To clean the center conductor
- Eliminates residues of the dielectric

Reference
CC-100

● CABLES CUT



Features

- SNSIT - Crimping Tool RG Connectors T & B 59.6
- L3011B - Tool crimping connectors T & B RG11
- CST S9611 - 5,6,11 cable stripper for RG
- IT1000 - stripper for RG59 / 6 cable and crimp F plugs

Description
Crimping tool RG59/6
Crimping tool RG11
Stripping RG59/6/11
Stripping RG59/6 and crimp 'F' plug

● STRIPPER



Features

- Jacket stripper for cables 500, 565, 625, 700, 750

Cable	Reference
565	JST 565
700	JST 700
500	JST 500
625	JST 625
750	JST 750

## • Cutters

### Features

- Coring & Striping for cables 500, 565, 625, 700, 750
- Handle "T"

Cable	Reference
500	CST 500
625	CST 625
750	CST 750
565	CST 565TX
700	CST 700TX



## • CUTTER AND STRIPPER

### Features

- Set Coring & Striping for cables 540 and 715
- Set of CST + JST (CR)

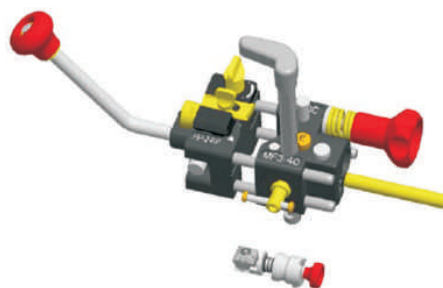
Cable	Reference
540	QRT 540
715	QRT 715



## • STRIPPING CABLE TOOLS

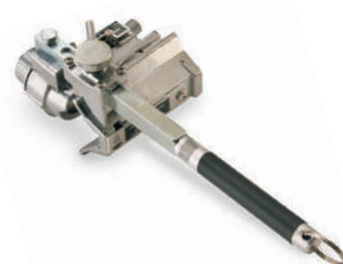
### • ALROC TOOLS

Description	Reference
Sheath, insulation and peelable semiconductor (25-240mm <sup>2</sup> )	MF3/40
Peelable semiconductor (50-240mm <sup>2</sup> )	LHM1R
Not peelable semiconductor (50-240mm <sup>2</sup> )	LHS1
Not peelable semiconductor (240-630mm <sup>2</sup> )	LHS2
Insulation (16-240mm <sup>2</sup> )	LH1
Insulation (16-240mm <sup>2</sup> ) LH1+BR+VBB+POLH+LBC1	BRMRD1
Removing tool for semiconductor	ASC40F



### • SPEED SYSTEMS TOOL

Description	Reference
Sheath, insulation and peelable semiconductor (12.7 - 44,5mm <sup>2</sup> )	1542-2AS
Replacement blade (sheath and insulation)	1562
Replacement blade (semiconductor)	1678



## ● CABLE TENSOR



### Features

- Light, manageable and reduced dimensions
- Highly unstable

Traction capacity (daN/Kg)	Weight (kg)	Ø of cable (mm)	Reference
400	4,0	2-8	F2
600	5,2	7-15	F3
800	6,2	12-20	F4

## ● TIRFOR T 500



### Features

- Functional design, manageable and slight
- Especially recommended where it is essential to reduce weight on the pulleys

Capacity (DdaN/Kg)	Weight (Kg)		Dimensions (mm)		Special cable Tirfor		Reference
	Apparatus	Cable	Apparatus	Alav. (Abert/fech)	ø (mm)	Rupura (kg)	
800	6,6	7,0	420x360x99	690/405	8,3	4800	T-508
1600	13,5	12,5	530x315x127	1147/648	11,5	9600	T-516
3200	24,0	26,0	631x357x148	1147/648	16,3	19200	T-532

Special cable Tirfor for T508, 20 meters lenght

Special cable Tirfor for T516, 20 meters lenght

Special cable Tirfor for T532, 20 meters lenght

## ● PULIFT/BRAVO STRETCHERS



### Features

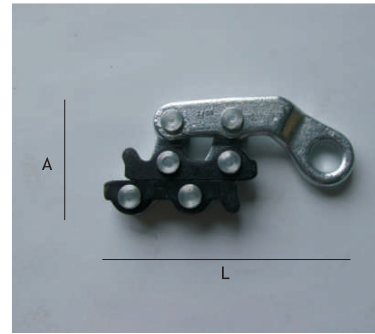
- Very light, compact and safe
- Allows quick and easy maneuvers, including in the most difficult conditions (assembly and disassembly works, factories, etc.)

Capacity (Kg)	Standard lift height (Kg)	Nº of ramadas	Maximum effort on the lever	Standard equipment weight (kg)	Cable dimensions	Reference
750	1,50	1	20	7	6 m	BRAVO 750
1500	1,50	1	21	11	7 m	BRAVO 1500
3000	1,50	1	33	20	10 m	BRAVO 3000
6000	1,50	2	35	30	10 m	BRAVO 6000

## ● STRETCHER FOR SPYING

### Features

- To tension the spy



Dimensions (mm)		Reference
L	A	
200	80	Rana Espia

## Tools 6.

## ● FOOTREST WITH BELT

### Features

- For wooden poles

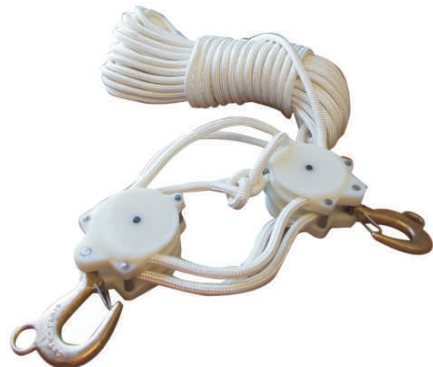


Reference
Estribos

## ● Hoist

### Features

- Operation with 25 mts of rope and two pulleys
- Pulleys fitted with stainless steel hook



Reference
TALHA-TP10



## •FROGS

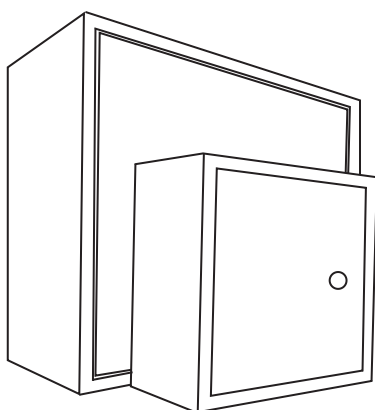


### Features

- Used in tensioning cables

Ø (mm) Cable type	Traction (kg)	Reference
6a14/ACSR	800	G10
5 a 20/ACSR	1000	AL-GRIP
5 a 25/ACSR	2000	AL-MGRIP
16 a 32/ACSR	2000	AL-LGRIP
8,6 a 12/ACSR	1700	RA-57
8 a 16/ACSR-CU	3000	RA-515
17 a 34/Torçada	850	R4x2595

## • COLECTIVE NETWORK BOX



### Features

- Manufactured in accordance with the ITED Manual
- Plastic case (UL 94-VO)
- Cable entries from the sides and tops
- Dimensions L420 - The 335-P 117
- White Color
- Includes RJ45 cables, Plugs F, 75 Ohm Loads

Designation	Rj45 outputs	Coaxial outputs
ATI 4 box	4	4
ATI 6 box	6	6
ATI 8 box	8	8
ATI 10 box	10	10
ATI 12 box	12	12
ATI 14 box	14	14
ATI 16 box	16	16

ATI cabinets with  
recessed box  
included

## •VOLTAGE METERS BIPOLAR / LAN NETWORK ANALYZER



Voltage (v) AC/DC	Reading	Continuity	Diodes	Resistance	Reference
120-415	LED	N			VOLT CHECK 1A
6-400	LED	N			VOLT CHECK 3
4-600	Digital	S	S	S	PT-30

## • STAIRS

### Features

- Conforms to European Standard EN-131
- Steps quadrangular

### Bids fiberglass have the following features:

- Electrical isolation between 50,000 volts steps
- High mechanical strength (flexion / traction)
- Amounts in fiberglass
- Steps quadrangular aluminum



## Tools 6.

Material	Type	Weight (mt)		Reference
		Open	Closed	
Aluminum	Simple (1 bid)	2,5	-	4025
		3,0	-	4030
		3,5	-	4035
		4,0	-	4040
	Double (2 bids)	3,5	2,0	5035
		4,5	2,5	5045
		5,0	3,0	5050
		6,0	3,5	5060
	Triple (3 bids)	4,5	2,0	6050
		6,0	2,5	6060
		7,0	3,0	6070
		8,5	4,0	6085
Glass fiber	Simple (1 bid)	2,5	-	1025
		3,0	-	1030
		3,5	-	1035
		4,0	-	1040
	Double (2 bids)	3,5	2,0	2035
		4,5	2,5	2045
		5,0	3,0	2050
		6,0	3,5	2060
	Triple (3 bids)	4,5	2,0	3050
		6,0	2,5	3060
		7,0	3,0	3070
		8,5	4,0	3085
Mixed (Aluminum with last throw in fiber glass)	Double (2 bids)	5,0	3,0	8050
		6,0	3,5	8060
		7,0	4,0	8070
		9,0	5,0	8090
	Triple (3 bids)	4,5	2,0	9050
		6,0	2,5	9060
		7,0	3,0	9070
		8,5	4,0	9085
	Enhanced triple (3 bids)	4,5	2,0	9050 Super
		6,0	2,5	9060 Super
		7,0	3,0	9070 Super
		8,5	4,0	9085 Super