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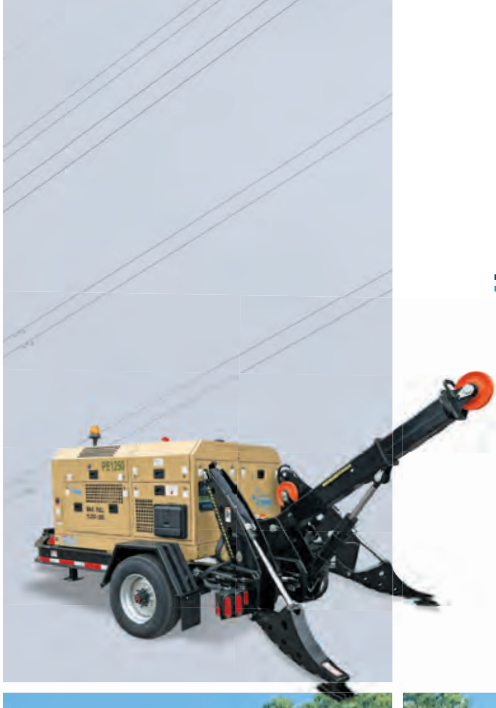

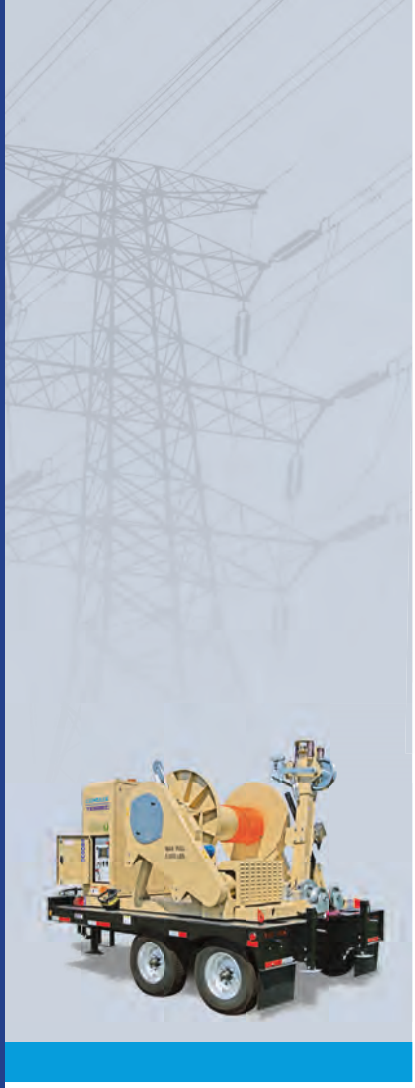

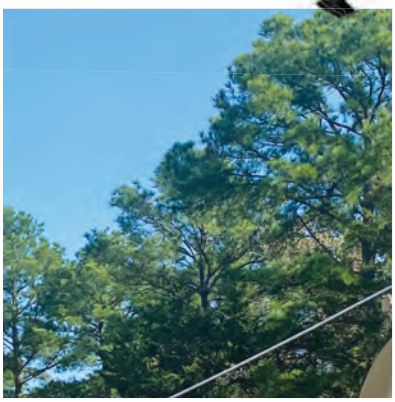

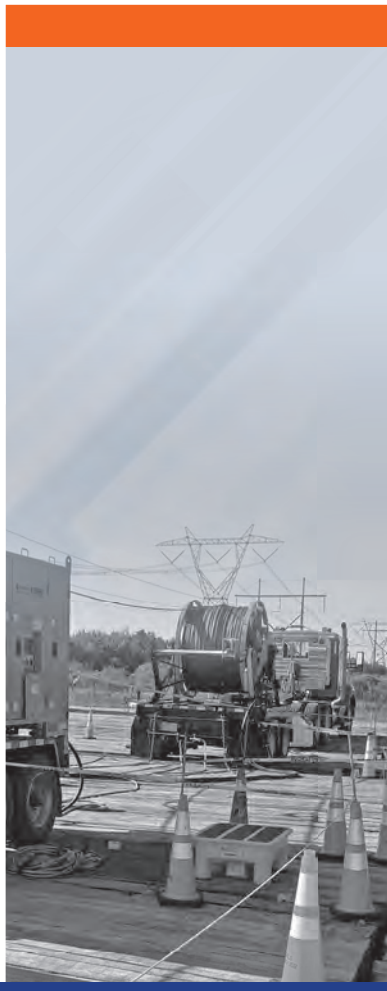

STRINGING EQUIPMENT & ACCESSORIES

CATALOG
2025-26

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To our knowledge, all products and other information in this catalog are accurate at the time of printing. Condux Tesmec, Inc. reserves the right to change products and other information without prior notice. Tools shown in this catalog are designed for their intended use only by trained craftspeople. Before using any Condux Tesmec, Inc. tool, make certain you have read and understand any safety, operating and maintenance instruction for that tool. Call or write for any additional product information required for operation.

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Overhead and Underground Stringing Experts

FEATURES & BENEFITS

Standard on all equipment

- Completely hydraulically controlled for smooth speed variation. This helps eliminate rope and conductor galloping.
- Negative brake that keeps tension on the line if the machine is shut off.

Pullers

- Integrated dynamometer which manages line tension
- Low noise emissions
- Ability to use wireless remote control capability

Tensioners

- The Low friction of the nylon covered bullwheels minimizes the torsional overstress allowing a smooth stringing operation and preserving the conductor integrity.
- High and low tension settings for more control
  - Low tension is for installing OPGW and fiber optics
  - High tension is for installing conductor
- Integrated dynamometer which manages line tension
- Hands free operation - once tension is set the operator does not need to touch the machine until the pull is complete

Puller-Tensioners

- The Low friction of the nylon covered bullwheels minimizes the torsional overstress allowing a smooth stringing operation and preserving the conductor integrity.
- High and low tension settings for more control
  - Low tension is for installing OPGW and fiber optic
  - High tension is for installing conductor
- Able to tension and pull at the same speed and force
- Integrated dynamometer which manages line tension
- Hands free operation - once the tension is set the operator does not need to touch the machine until the pull is complete

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TABLE OF CONTENTS

BLOCKS

TROLLEYS

ACCESSORIES

LIGHT ALLOY STRUCTURES

The Most Advanced Stringing Equipment Available

The Condux Tesmec line of stringing equipment represents the latest and safest technology in the transmission and distribution industry. Condux Tesmec Pullers, Tensioners and Puller-Tensioners allow utilities and utility contractors to improve productivity and efficiency while limiting downtime and improving jobsite safety. The Condux Tesmec stringing line has been developed as the state-of-the-art equipment in the industry, replacing 20 to 35 year old equipment designs.

The declining availability of skilled, proficient linemen and supervisors poses a problem for the transmission and distribution industry. With the aging workforce moving from 46-55 years of age to 56-65 years of age over the next 10 years, qualified, experienced workers will become a difficult commodity to find. A greater reliance on quality equipment will result and Condux Tesmec can help. **The most reliable equipment in the market with over 20,000 machines in service worldwide.**

Why use Condux Tesmec Stringing Equipment?

Safety

- Electronic controls eliminate “galloping” and allow smooth installation at all speeds. This provides maximum safety especially when pulling over energized lines.
- The dual speed mode of most machines provides cable safety by providing different installation speeds and low and high forces, while precisely monitoring, charting and controlling (e.g. AAAC and OPGW fiber installations for low max-tension forces) the installation.
- Engineered nylon sector bull-wheel grooves allow conductor to rotate and prevent “bird-caging” of conductor, especially on T2/VR2 and the new HTLS wires.
- Negative-Brake maintains line tension in the event the pull is stopped or power/hydraulic pressure is lost. This requires no operator action to initiate this feature.
- Pull force limiting device prevents downed lines which is costly and could cause bodily harm and property damage.
- Wireless or wired remote controls (options) allow for reduced chance of electrocution in “induced current” or live-line” work in case of an accidental strike.
- Sound attenuated engine compartments limit noise levels.
- Auto Sag – Removes the guess work of sagging the conductor. Conductor can be sagged to precise tension requirements.
- Auto reel wind prevents personnel from having to manually recover the wire.

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Reliability

- Over 20,000 machines in service worldwide.
- Full Engineering and Technical Support departments.

Productivity

- Blocks have replaceable sectors.
- Electronic controls allow a single operator to operate multiple pieces of equipment and string multiple phases simultaneously limiting the number of people required on a crew.
- DOT trailers do not require special permits for wide or heavy loads.
- Ability to use integrated dynamometer on the equipment to SAG without requiring a sag winch or hoist.
- Nylon bullwheels last longer than conventional neoprene bullwheels.
- Bullwheels are field replaceable limiting downtime and increasing productivity.
- Small footprint allows equipment to be positioned in tight areas or substations.
- User friendly digital HMI with 7-in screen allows for quick orientation and proficiency of a new operator.
- When operator-set max tension is reached, equipment will automatically stop. The operator does not have to touch the controls.

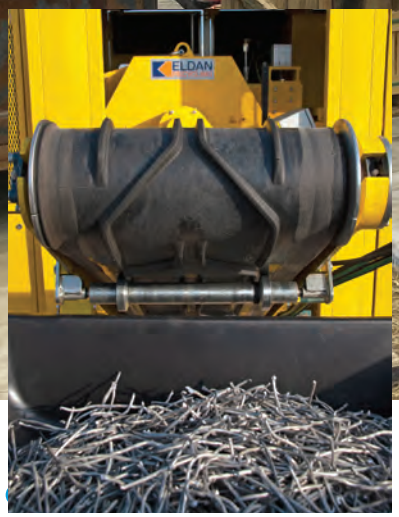
- Integrated Dynamometer
- Variable Joy Stick Speed & Direction Control
- Electronic Pull Speed Meter
- Electronic Distance Meter
- Integrated Controls for Hydraulic Reel Stands

SAFETY ▪ RELIABILITY ▪ PRODUCTIVITY

Continuous Line Pullers

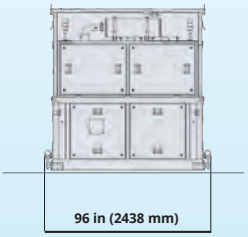
The Most Advanced Stringing & Reconductoring Equipment

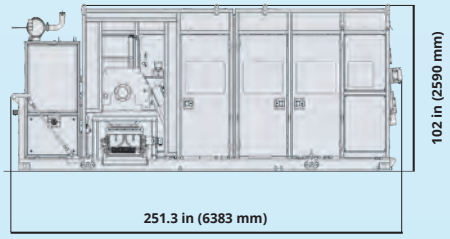
The new Continuous Line Puller (CLP) from Condux Tesmec gives stringing contractors an effective solution for handling and recycling old conductor during reconductoring projects. The CLP eliminates the need for placing old conductor on reels by effectively cutting the used conductor into small manageable pieces that are easy to transport and ready to recycle.



Continuous Line Puller (CLP)

The **CLP** offers 11,240 lbf (50 kN) of pulling force and is designed for recycling old conductor during reconductoring projects. Maximum conductor 1.57 inch (40 mm) in diameter.





GENERAL SPECIFICATIONS:

PULLING MODULE

Max pull	11,240 lbf (50 kN)
Speed at max pull	1.86 m/h (3 km/h)
Max speed	1.86 m/h (3 km/h)

CHARACTERISTICS

Max conductor diameter	1.57 in (40 mm)
Max midspan joint diameter	2.36 in (60 mm)
Weight	28,660 lbs (13,000 kg)
Suitable for	1 Conductor
Layout	Single

HYDRAULIC TRANSMISSION

Closed hydraulic circuit with pull pre-setting system that automatically adjusts pulling speed.

CUTTING MODULE

Max speed	1.86 m/h (3 km/h)
Suitable for	ACSR conductor
Max conductor diameter	1.57 in (40 mm)
Pull at max speed	3,822 lbf (17 kN)
Max midspan joint diameter	2.36 in (60 mm)

AUXILIARY WINCH

Max pulling force	11,240 lbf (50 kN)
Speed at max pull	1.55 m/h (2.5 km/h)
Max rope diameter	.63 in (16 mm)
Storage Capacity	1,148 ft (350 m)

ENGINE

Diesel	215 hp (160 kW)
Emission level	tier 4f / Stage IV
Cooling system	water
Electrical system	24 V

MOTORIZED CONVEYORS

Hydraulic driven conveyor

Hydraulic conveyor deployment

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- Setting pull value
- Setting reel winder value
- Control of direction and speed of bullwheels
- Display to check stringing parameters
- Stop Operation push button

Radio remote control for machine operations.

Lockable sound dampening integrated covers

Full electronic management

Auxiliary winch controls

Remote diagnostics with GPS

HW Safety module

Manual and automatic use

Hook loader suitable for Ampliroll system

Suitable for twistlock container transportation

OPTIONAL EQUIPMENT

ALL261	External pull and speed printer
21035851	Trailer with stabilizer legs

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RECONDUCTORING

Advanced Design Features & Superior Pulling Performance

The Condux Tesmec line of pullers offers industry leading features like negative self-acting hydraulic brakes, integrated hydraulic dynamometers, hydraulic cooling systems, advanced user controls and more. Hydraulically controlled systems allow Condux Tesmec pullers to eliminate conductor galloping, providing utility contractors maximum pulling control.

Condux Tesmec pullers are designed to improve job site safety, while adding productivity and efficiency to every job.

NOISE REDUCTION

Engine compartment comes standard with noise reducing materials that improve operator safety and protection. Engine compartment insulated with sound attenuation material. Noise level of 85 dba or less.

PULLING ROPE CLAMP

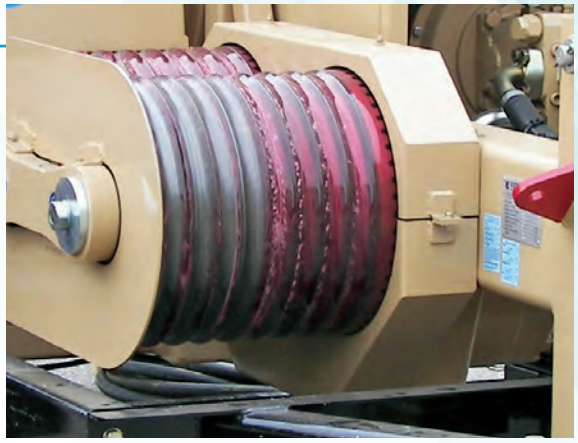
Hydraulically actuated locking clamp clamps the rope to the bullwheel allowing faster reel removal operations and enhanced safety.

USER FRIENDLY DIGITAL HMI

The innovative digital HMI displays diesel engine parameters, machine performance and diagnostic output. This digital technology eliminates most of the instruments and devices installed on the previous control panel. The unit also displays a variety of diagnostic features including, maintenance interval scheduling, with countdown and alerts, errors with detailed descriptions, automatic self-diagnosis at machine start and more.

BULLWHEELS

Large diameter bullwheels provide exceptional grip for better pulling power during operations. Condux Tesmec pullers feature bullwheels made of heat treated, steel for durability and long life.



NEGATIVE BRAKE

Units come equipped with a negative brake that maintains line tension in the event the pull is stopped or power/hydraulic pressure is lost. The negative brake is self-acting and requires no operator action to initiate.

REMOTE CONTROLS

The wireless remote (cable connection available) controls all machine operations and allows the user to work from a position that offers a better overview of the jobsite, less noise and a higher degree of safety. An integrated pull recorder stores the operational data, downloadable using a USB flash drive.

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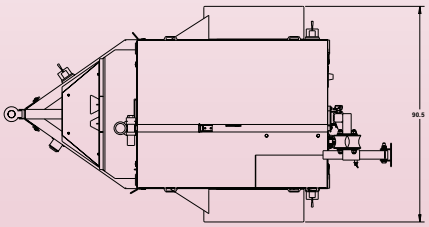
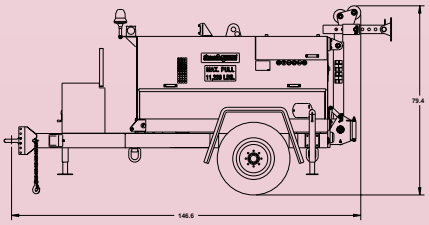
PM1250 Hydraulic Puller

The **PM1250** offers 11,240 lbf (50 kN) of pulling force and is designed for stringing **one rope** up to ½ inch (13 mm) in diameter. The bull-wheel grooves on the PM1250 are made from heat treated steel.





Control panel.

Radio remote control.

Fully enclosed w/lockable covers.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull	11,240 lbf (50 kN)
Speed at max pull	56 ft/min (17 m/min)
Max speed	220 ft/min (67 m/min)
Pull at max speed	2,810 lbf (12,5 kN)
Free wheel max speed	492 ft/min (150 m/min)

CHARACTERISTICS

Bull-wheel diameter	14 in (350 mm)
Max rope diameter	½ in (13 mm)
Weight (w/o rope)	4,409 lbs (2,000 kg)
Number of grooves	7
Suitable for	1 Rope
Layout	Single
Max reel capactiy at 1/2 in (13mm)	2600 ft / 800 m

ENGINE

Diesel	49 hp (37 kW)
Emission level	tier 4f/Stage IIIB
Cooling system	water
Electrical system	12 V

HYDRAULIC TRANSMISSION

Closed hydraulic circuit for stepless speed variation in both rotating directions.

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.

Radio remote control.

Remote Diagnostic with GPS Data Recorder.

Lockable sound dampening integrated covers.

Negative self-acting hydraulic brake.

Rigid axle 18.6 mph (30 km/h).

Grounding connection point.

Mechanical rear stabilizers.

On board reel winder with automatic level wind, 2,625 ft (800 m) of 1/2 in (13 mm) anti-twist steel rope.

Electronic pull value limitation control.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL261	External printer
ALL110	Steel boom, manual stabilizers
21031856	Aluminum articulating boom, manual stabilizers
ALL037	Preheating device for use up to -22°F (-30°C)

GENERAL SPECIFICATIONS - DOT

Weight (w/rope)	7,300 lbs. (3,311 kg)
Overall Length	147 in (3,734 mm)
Overall Width	91 in (2,310 mm)
Height	79 in (2,007 mm)

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PM1450 Underground Hydraulic Puller

The **PM1450** offers 22,500 lbf (100 kN) of pulling force and is designed for stringing **one rope** up to ⅝ inch (16 mm) in diameter. The bull-wheel grooves on the PM1450 are made from heat treated steel.

Control panel.

Radio remote control.

Fully enclosed w/lockable covers.

Track mounted option.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull	22,500 lbf (100 kN)
Speed at max pull	0.6 mph (0.9 km/h)
Max speed	1.2 mph (2.0 km/h)
Pull at max speed	9,000 lbf (40 kN)

CHARACTERISTICS

Bull-wheel diameter	15¾ in (400 mm)
Max rope diameter	⅝ in (16 mm)
Weight (w/rope)	12,200 lbs (5,530 kg)
Max Reel Capcity	4,000 ft (1,250 m)

ENGINE

Diesel - Tier4f	75 hp (55 kW)
Cooling system	liquid
Electrical system	12 V

HYDRAULIC TRANSMISSION

Closed hydraulic circuit for stepless speed variation in both rotating directions.

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- Setting pull value
- Setting reel winder value
- Control of direction and speed of bullwheels
- Display to check stringing parameters
- Stop Operation push button

Negative self-acting hydraulic brake

Control instruments for hydraulic system and Diesel engine

Electronic pull value limitation control

Built-in reel winder with automatic level wind and 3,200 ft (1,000 m) of 5⁄8 inch (16 mm) steel rope

Noise reduction protection

Electronic pull and speed recorder

Hydraulic rear stabilizers

Steel boom with manual stabilizers

Automatic greaser

OPTIONAL EQUIPMENT

ALL261	External printer
ALL065	Self-propulsion movement with tracks system Max Speed: 1.2mph (2km/h) Max Inclination: 60% (30°) with machine full weight Complete with radio remote control for 2 speed movement options, reversible movement and rubber tracks
ALL037	Preheating device for use up to -22°F (-30°C)

GENERAL SPECIFICATIONS - DOT

Net Weight	12,200 lbs. (5,535 kg)
Overall Length	205 in (5,207 mm)
Overall Width	103 in (2,616 mm)
Height	87 in (2,210 mm)

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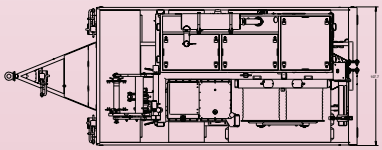
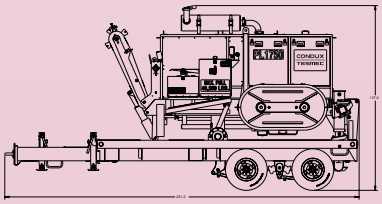
PL1750 Hydraulic Puller - Overhead & Underground

The **PL1750** offers 40,500 lbf (180 kN) of pulling force respectively and is designed for stringing **one rope** up to 1 3/32 inch (28 mm) in diameter. The bull-wheel grooves on the PL1750 are made from heat treated steel.





GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull	40,500 lbf (180 kN)
Speed at max pull	1.5 mph (2.5 km/h)
Max speed	2.8 mph (4.5 km/h)

CHARACTERISTICS

Bull-wheel diameter	27.5 in (700 mm)
Max rope diameter	1.125 in (28 mm)
Weight (w/o rope)	15,873 lbs (7,200 kg)

ENGINE

Diesel	281 hp (210 kW)
Emission Level	tier 4f/Stage IV
Cooling system	liquid
Electrical system	24 V

HYDRAULIC TRANSMISSION

Closed hydraulic with pull pre-setting system that automatically adjust pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight w/out rope	21,200 lbs (9,600 kg)
Overall Length	261.2 in (6,634 mm)
Overall Width	102.7 in (2,600.5 mm)
Height	137 in (3,479 mm)

STANDARD EQUIPMENT

New digital HMI Provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.

Radio remote control

Aux hydraulic connections for external reel winder

Steel enclosure with lockable doors

Rope clamp for reel change

Negative self-acting hydraulic brake

Remote Diagnostic with GPS Data Recorder

Grounding connection point

Hydraulic front and rear stabilizers

On board automatic reel winder with level wind, It accommodates a BOF010, BOF020, or BOF030

Reel shaft AXR001

Automatic greaser

OPTIONAL EQUIPMENT

AXA234	Underground adapter
ALL089	Electronic connection and synchronization between machines
ALL261	External Printer
AXR002	Extra shaft
ALL037	Preheating device for use up to -22°F (-30°C)

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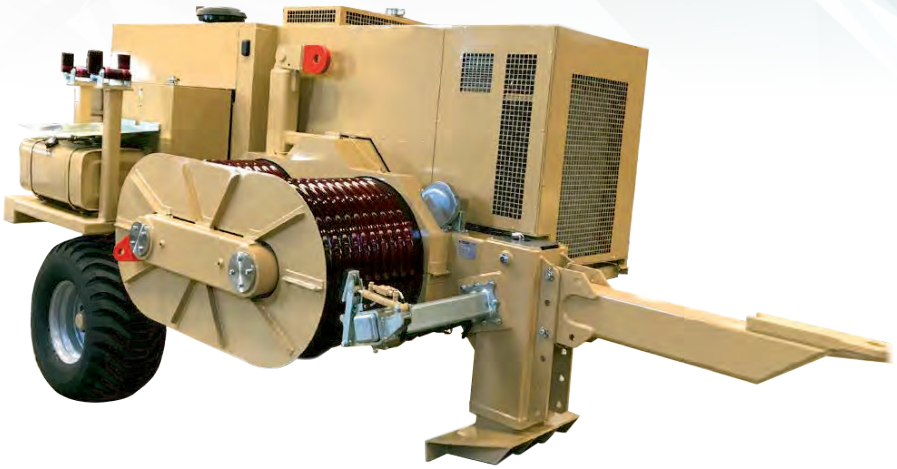
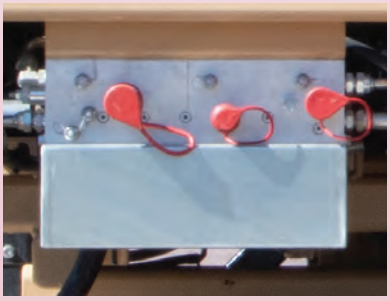
PL1950 Hydraulic Puller



The **PL1950** offers 63,000 lbf (280 kN) of pulling force respectively and is designed for stringing **one rope** up to 1 15/32 inch (38 mm) in diameter.



GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull	63,000 lbf (280 kN)
Speed at max pull	1.36 mph (2.2 km/h)
Max speed	7.8 mph (4.9 km/h)
Pull at max speed	28,100 lbf (125 kN)

CHARACTERISTICS

Bull-wheel diameter	37 3/16 in (960 mm)
Max rope diameter	1 15/32 in (38 mm)
Weight (w/o rope)	29,800 lbs (13,500 kg)

ENGINE

Diesel - Tier4f	428 hp (315 kW)
Cooling system	liquid
Electrical system	24 V

HYDRAULIC TRANSMISSION

Closed hydraulic circuit for stepless speed variation in both rotating directions.

STANDARD EQUIPMENT

New digital HMI Provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.

Radio remote control.

Lockable sound dampening integrated covers

Rope clamp for reel change

Negative self-acting hydraulic brake

Grounding connection point

Hydraulic front and rear stabilizers

Remote Diagnostic with GPS Data Recorder.

On board automatic reel winder with level wind, It accommodates a BOF010, BOF020, and BOF030

Reel shaft AXR001

Automatic greaser

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -30°C
ALL089	Electronic connection and synchronization between machines
ALL261	External Printer
AXR002	Extra Shaft
AXA234	Underground adapter

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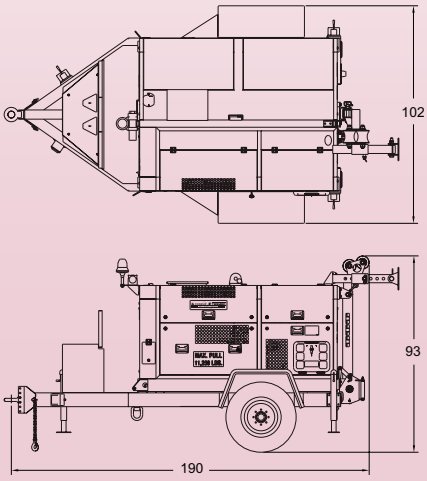
PE1250 Electric Puller

The **PE1250** offers 11,240 lbf (50 kN) of pulling force and is designed for stringing **one rope** up to ½ inch (13 mm) in diameter. The bull-wheel grooves on the PE1250 are made from heat treated steel.



Control panel.

Radio remote control.

Fully enclosed w/lockable covers.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull	11,240 lbf (50 kN)
Speed at max pull	33 ft/min (10 m/min)
Max speed	230 ft/min (70 m/min)
Pull at max speed	1,124 lbf (5 kN)
Free wheel max speed	2.6 mph (4.2 km/h)

CHARACTERISTICS

Bull-wheel diameter	12 in (300 mm)
Max rope diameter	½ in (13 mm)
Weight (w/o rope)	5,181 lbs (2,350 kgs)
Number of grooves	8
Suitable for	1 Rope
Layout	Single

ELECTRICAL POWER PACK

Battery Pack	350 V
Charge Time	4H∆ 208 V

REEL WINDER

Max rope diameter	½ in (13 mm)
Max rope length	2,950 ft (900 m)

BATTERY STORAGE CAPACITY

Rope length recovered	
Working Cycle	Average 22,966 ft (7,000 m)
Working Cycle	Max Pulling Force 4,593 ft (1,400 m)

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- Setting pull value
- Setting reel winder value
- Control of direction and speed of bullwheels
- Display to check stringing parameters
- Stop Operation push button

Negative self-acting electrical brake

Steel enclosure with lockable doors

2,950 ft (900 m) of steel anti-twist rope

Lockable sound dampening integrated covers

Automatic reel winder with automatic level wind

Grounding connection point

Mechanical rear stabilizers

Electronic pull value limitation control

Integrated warm-up system

Automatic greaser

OPTIONAL EQUIPMENT

HYD TLR	Hydraulic Boom & Stabilizer Trailer
ALL261	External printer
ALL110	Steel boom, manual stabilizers
21031856	Aluminum articulating boom, manual stabilizers

GENERAL SPECIFICATIONS - DOT

Weight (w/rope)	8,410 lbs (3,815 kgs)
Overall Length	190 in (4,826 mm)
Overall Width	102 in (2,591 mm)
Height	93 in (2,362 mm)

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www.ConduxTesmec.com | **Toll Free Phone (U.S. & Canada)** 1-888-980-1209 | **TEL** 1-507-387-8069

Notes

Hydraulic Puller - Tensioners

Industry Leading Design & Performance

The Condux Tesmec line of Puller-Tensioners provides utilities and utility contractors the ability to improve productivity and efficiency while limiting downtime and improving job site safety. Hydraulic Puller-Tensioners from Condux Tesmec represent the next generation of stringing equipment. Features like negative self-acting hydraulic brakes, integrated hydraulic dynamometers, hydraulic cooling systems, advanced user controls and more make Condux Tesmec puller-tensioners the safest and most effective on the market today.

ADJUSTABLE FAIRLEADS

Adjustable fairleads come standard to align and protect your cable.

NOISE REDUCTION

Engine compartment comes standard with noise reducing materials that improve operator safety and protection. Engine compartment insulated with sound attenuation material. Noise level of 85 dba or less.

REMOTE CONTROLS

The wireless remote (cable connection available) controls all machine operations and allows the user to work from a position that offers a better overview of the jobsite, less noise and a higher degree of safety. An integrated pull recorder stores the operational data, downloadable using a USB flash drive.

NEGATIVE BRAKE

Units come equipped with a negative brake that maintains line tension in the event the pull is stopped or power/hydraulic pressure is lost. The negative brake is self-acting and requires no operator action to initiate.

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PULLING ROPE/ CONDUCTOR CLAMP

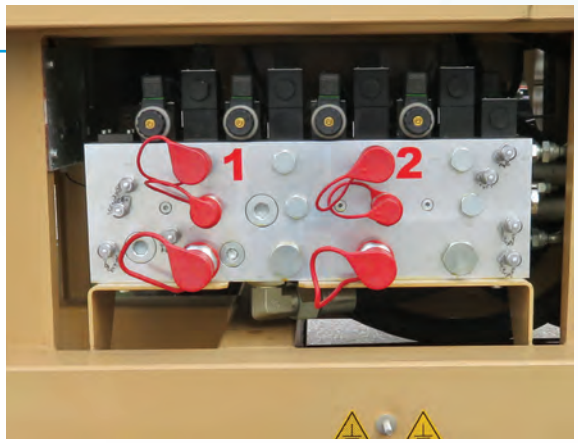
Hydraulically actuated locking clamp clamps the rope/ conductor to the bullwheel allowing faster reel removal/ changing operations and enhanced safety.

BULLWHEELS

Bullwheels speed up or slow down automatically with no operator intervention required. This is especially critical when installing conductor around corners. Depending on the unit, bullwheels are made of interchangeable nylon sectors or wear-proof, heat and chemically treated, steel.

HYDRAULIC TOOL CIRCUIT

The Hydraulic Tool Circuit allows reel stand operation. One person can operate the Puller/Tensioner and Reel Stand from the control panel. Depending on the specific unit, up to four reel winders can be controlled independently.



USER FRIENDLY DIGITAL HMI

The innovative digital HMI displays diesel engine parameters, machine performance and diagnostic output. This digital technology eliminates most of the instruments and devices installed on the previous control panel. The unit also displays a variety of diagnostic features including, maintenance interval scheduling, with countdown and alerts, errors with detailed descriptions, automatic self-diagnosis at machine start and more.

CONDUX | TESMEC

PT1150 Hydraulic Puller-Tensioner

The **PT1150** offers 5,620 lbf (25 kN) of pulling or tensioning capacity and is designed for stringing one rope or one conductor. The bull-wheel grooves on the PT1150 are made from high resistance interchangeable nylon sectors. The PT1150 features a new digital interface with 7-inch color display, wireless remote, integrated pull/speed recorder and remote diagnostics.

GENERAL SPECIFICATIONS:

PULLER/TENSIONER PERFORMANCE

Max pull/tension	5,620 lbf (25 kN)
Speed at max pull/tension	1.2 mph (2 km/h)
Max speed	3.3 mph (5,4 km/h)
Pull at max speed	2,023 lbf (9 kN)

CHARACTERISTICS

Bull-wheel diameter	59 in (1,500 mm)
Bull-wheel material	NYLON
Max conductor/rope diameter	1⅖ in (36 mm)
Number of grooves	5
Suitable for	1 rope/conductor
Layout	Single

ENGINE

Diesel	49 hp (40 kW)
Emission Level	tier 4f/Stage V
Cooling system	water
Electrical system	12 V

HYDRAULIC TRANSMISSION

Closed hydraulic with a pull pre-setting system that automatically adjusts pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight	6,338 lbs (2,875 kg)
Overall Length	215 in (5,461 mm)
Overall Width	100 in (2,540 mm)
Height	108 in (2,743 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.
- Remote diagnostic with GPS data recorder.

Radio remote control.

Negative self-acting hydraulic brake.

Hydraulic oil cooling system.

Hydraulic quick connectors to control a separate reel stand/winder.

Electronic arrangement for connection of multiple machines and for stringing synchronization.

Gearbox with 3 operating positions:
- Neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position 350 – 1,124 lbs (1.6 – 5 kN)
- nominal tension position 1,300 - 5,620 lbs (6 - 25 kN)

Hydraulic front stabilizer.

Grounding connection point.

Hydraulic rope clamp for reel change operations.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -22°F (-30°C)
ALL261	External printer.
TAYS247	4 groove sector kit

CONDUX | TESMEC

PT1250 Hydraulic Puller-Tensioner

The **PT1250** offers 11,240 lbf (50 kN) of pulling or tensioning capacity and is designed for stringing one rope or one conductor. The bull-wheel grooves on the PT1250 are made from high resistance interchangeable nylon sectors. The PT1250 features a new digital interface with 7-inch color display, wireless remote, integrated pull/speed recorder and remote diagnostics.

GENERAL SPECIFICATIONS:

PULLER/TENSIONER PERFORMANCE

Max pull/tension	11,240 lbf (50 kN)
Speed at max pull/tension	.9 mph (1,5 km/h)
Max speed	3.1 mph (5 km/h)
Pull/tension at max speed	3,597 lbf (16 kN)

CHARACTERISTICS

Bull-wheel diameter	59 in (1,500 mm)
Max conductor/rope diameter	1⅝ in (42 mm)
Number of grooves	5

ENGINE

Diesel	74 hp (55,4 kW)
Emission Level	tier 4f/Stage IIIB
Cooling system	liquid
Electrical system	12 V

HYDRAULIC TRANSMISSION

Closed hydraulic with a pull pre-setting system that automatically adjusts pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight	9,700 lbs (4,400 kg)
Overall Length	215 in (5,461 mm)
Overall Width	100 in (2,540 mm)
Height	108 in (2,743 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.
- Remote diagnostic with GPS data recorder.

Radio remote control.

Negative self-acting hydraulic brake.

Hydraulic oil cooling system.

Hydraulic quick connectors to control a separate reel stand/winder.

Electronic arrangement for connection of multiple machines and for stringing synchronization.

Gearbox with 3 operating positions:
- Neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position 450 – 2,700 lbs (2 – 12 kN)
- nominal tension position 1,800 - 11,240 lbs (8 - 50 kN)

Hydraulic front stabilizer.

Grounding connection point.

Hydraulic rope clamp for reel change operations.

External pull and speed printer.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL005	Hydraulic power for an external compressor
ALL037	Preheating device for use up to -22°F (-30°C)
ALL261	External printer
TAYS321	6 groove sector kit

CONDUX | TESMEC

PT1252 Hydraulic Puller-Tensioner

The **PT1252** offers 11,240 lbf (50 kN) of pulling or tensioning capacity and is designed for stringing one rope or one conductor. The bull-wheel grooves on the PT1252 are made from high resistance interchangeable nylon sectors. The PT1252 features a new digital interface with 7-inch color display, wireless remote, integrated pull/speed recorder and remote diagnostics.

GENERAL SPECIFICATIONS:

PULLER/TENSIONER PERFORMANCE

Max pull/tension	11,240 lbf (50 kN)
Speed at max pull/tension	.9 mph (1,5 km/h)
Max speed	3.1 mph (5 km/h)
Pull/tension at max speed	3,597 lbf (16 kN)

CHARACTERISTICS

Bull-wheel diameter	71 in (1,800 mm)
Max conductor/rope diameter	2 in (51 mm)
Number of grooves	5

Additional sectors available for VRA/T2 conductor.

ENGINE

Diesel	74 hp (55,4 kW)
Emission Level	tier 4f/Stage IIIB
Cooling system	liquid
Electrical system	12 V

HYDRAULIC TRANSMISSION

Closed hydraulic with a pull pre-setting system that automatically adjusts pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight	10,900 lbs (4,945 kg)
Overall Length	225 in (5,715 mm)
Overall Width	101 in (2,565 mm)
Height	119 in (3,022 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.

Radio remote control.

Remote Diagnostic with GPS Data Recorder.

Negative self-acting hydraulic brake.

Automatic hydraulic oil cooling system.

Hydraulic quick connectors to control a separate reel stand/winder.

Electronic arrangement for connection of multiple machines and for stringing synchronization.

Gearbox with 3 operating positions:
- Neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position 450 – 2,700 lbs (2 – 12 kN)
- nominal tension position 1,800 - 11,240 lbs (8 - 50 kN)

Hydraulic front stabilizer.

Grounding connection point.

Hydraulic rope clamp for reel change operations.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -22°F (-30°C)
ALL261	External printer
TAYS324	6 groove sector kit

CONDUX | TESMEC

PT2450 Hydraulic Puller-Tensioner

The **PT2450** features two pairs of independently controlled bull-wheels, offering 2 x 11,240 lbf (50 kN) or 1 x 22,480 lbf (100 kN) of tensioning capacity for stringing one or two bundled conductors. The bull-wheel grooves on the PT2450 are made from high resistance interchangeable nylon sectors. The PT2450 features a new digital interface with 7-inch color display, wireless remote, integrated pull/speed recorder and remote diagnostics.

GENERAL SPECIFICATIONS:

PULLER/TENSIONER PERFORMANCE

Max pull/tension	2 x 11,240 lbf (50 kN) or 1 x 22,480 lbf (100 kN)
Speed at max pull/tension	1.25 mph (2 km/h)
Max speed	3.1 mph (5 km/h)
Pull/tension at max speed	2 x 4,500 lbf (20 kN)

CHARACTERISTICS

Bull-wheel diameter	59 in (1,500 mm)
Max conductor/rope diameter	1⅝ in (42 mm)
Number of grooves	5 & 5

ENGINE

Diesel	140 hp (105 kW)
Emission Level	tier 4f/Stage IV
Cooling system	liquid
Electrical system	24 V

HYDRAULIC TRANSMISSION

Closed hydraulic with a pull pre-setting system that automatically adjusts pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight	20,100 lbs (9,120 kg)
Overall Length	233 in (5,918 mm)
Overall Width	102 in (2,591 mm)
Height	121 in (3,073 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.
- Remote diagnostic with GPS data recorder.

Radio remote control.

Negative self-acting hydraulic brake.

Hydraulic oil cooling system.

Hydraulic quick connectors to control 2 separate reel stands/winders.

Electronic arrangement for connection of multiple machines and for stringing synchronization.

Gearbox with 3 operating positions:
- Neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position 450 – 2,700 lbs (2 – 12 kN)
- nominal tension postion 1,800 - 11,240 lbs (8 - 50 kN)

Hydraulic front and rear stabilizer.

Grounding connection points.

Hydraulic rope clamp for reel change operations.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -22°F (-30°C)
ALL261	External printer
TAYS326	6 groove sector kit both sides per side
TAYS229	4 groove sector kit both sides

CONDUX | TESMEC

PT2600 Hydraulic Puller-Tensioner

The **PT2600** features two pairs of independently controlled bull-wheels, offering 2 x 15,750 lbf (70 kN) or 1 x 31,500 lbf (140 kN) of tensioning capacity for stringing one or two bundled conductors. The bull-wheel grooves on the PT2600 are made from high resistance interchangeable nylon sectors. The PT2600 features a new digital interface with 7-inch color display, wireless remote, integrated pull/speed recorder and remote diagnostics.

GENERAL SPECIFICATIONS:

PULLER/TENSIONER PERFORMANCE

Max pull/tension	2 x 15,750 lbf (70 kN) or 1 x 31,500 lbf (140 kN)
Speed at max pull/tension	1.25 mph (2 km/h)
Max speed	3.1 mph (5 km/h)
Pull/tension at max speed	2 x 5,620 lbf (25 kN)

CHARACTERISTICS

Bull-wheel diameter	71 in (1,800 mm)
Bull-wheel material	Nylon
Max conductor/rope diameter	2 in (51 mm)
Number of grooves	5 & 5
Suitable for	2 ropes/conductors
Layout	Twin

ENGINE

Diesel	175 hp (129 kW)
Emission level	tier 4f/Stage IV
Cooling system	liquid
Electrical system	24 V

HYDRAULIC TRANSMISSION

Closed hydraulic with a pull pre-setting system that automatically adjusts pulling speed.

GENERAL SPECIFICATIONS - DOT

Weight	29,800 lbs (13,517 kg)
Overall Length	252 in (6,400 mm)
Overall Width	101 in (2,565 mm)
Height	141 in (3,581 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.
- Remote diagnostic with GPS data recorder.

Radio remote control.

Negative self-acting hydraulic brake.

Hydraulic oil cooling system.

Hydraulic quick connectors to control 2 separate reel stands/winders.

Electronic arrangement for connection of multiple machines and for stringing synchronization.

Nominal and Low tension modes controlled through settings within the HMI
- Neutral position (with free bull-wheels for conductor loading and unloading)
- low tension position 1,125 – 3,820 lbf (5 - 17 kN)
- nominal tension position 2,700 – 15,750 lbf (12 - 70 kN)

Hydraulic front and rear stabilizer.

Grounding connection point.

Hydraulic rope clamp for reel change operations.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -22°F (-30°C)
TAYS245	4 groove sector kit both sides
TAYS328	6 groove sector kit both sides

CONDUX | TESMEC

PD4500 Hydraulic Puller-Tensioner

The **PD4500** 4-drum puller tensioner offers the ability to string new conductor, as well as perform reconductoring operations, over than the typical stringing of pilot wires.

The pulling capability of the PD4500 does not derate if using two drums at the same time, it maintains its total pull force rating. Because the drums are completely independent, one can be used for pulling while the other is tensioning.

The overall design of the machine provides an increased safety factor. Operators are not standing on the machine. There is no operator platform or seat on the machine. That puts the operator out of the equipotential zone and allows them to hear better and see better.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull/tension	2 @ 5,000 lbf (22 kN)
Speed at max pull	2.5 mph (4 kph)
Max speed	4.2 mph (6.7 kph)
Mechanical free-wheel with hydraulic disc brake	Up to 4 drums at once
Independent Drum Control	Up to 2 drums at once
Diesel Engine	74 hp (55 kW)
Cooling system	liquid
Electrical system	12 V

DRUM CHARACTERISTICS

Drum diameter	67 in (1,702 mm)
Drum Width	24 in (609 mm)
Rope Diameter	Individual Drum Capacity
3/8 (10 mm)	45,800 ft (14,000 m)
7/16 (11 mm)	33,700 ft (10,300 m)
15/32 (12 mm)	29,300 ft (8,900 m)
1/2 (13 mm)	25,800 ft (7,8500 m)
9/16 (14 mm)	20,300 ft (6,200 m)
5/8 (16 mm)	16,500 ft (5,050 m)
3/4 (18 mm)	11,400 ft (3,475 m)
1.0 (24 mm)	6,400 ft (1,950 m)

Synthetic rope capacity calculated by Sampson and Yale Cordage formula.

GENERAL SPECIFICATIONS - DOT

Weight (no rope)	30,860 lbs (13,997 kg)
Overall Length	331 in (8,407 mm)
Overall Width	105 in (2,667 mm)
Height	133 in (3,378 mm)

STANDARD EQUIPMENT

New digital HMI provided with:
- Color 7-in. display.
- Integrated pull and speed recorder.

Radio remote control.

Remote Diagnostic with GPS Data Recorder.

Mechanical free-wheel with hydraulic disc brake.

Negative self acting hydraulic brake for tensioning.

Four independent level winders, two level winders can work simultaneously, semi - automatic control and manual control, each level winder is hydraulically driven.

2 Variable displacement hydraulic pumps driven by diesel engine.

4 hydraulic motors.

4 gear boxes with negative brakes.

Skid frame solution equal to 20 ft container box, designed to be installed on low-bed trailer or container trucks.

Automatic greaser.

OPTIONAL EQUIPMENT

ALL037	Preheating device for use up to -22°F (-30°C)

PES500 Electric Puller-Tensioner

The **NEW Condux Tesmec PES500 all-electric puller-tensioner** is the industry exclusive.

With an electric motor, the PES500 eliminates the need for hydraulic components such as hydraulic motors, pump and valves. The unit's silent operation makes it ideal for almost any location, while the electric power system generates zero emissions. The PES500 delivers a maximum pull force of 5,000 lbf and offers an advanced user interface and remote control.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull/tension	5000 lbs @ 35.43 in (22 kN)
Speed at max pull	1 mph (1.61 km/h)
Max speed	4 mph (6.5 km/h)
Free wheel max speed	4 mph (6.5 km/h)

ELECTRICAL POWER PACK

Lithium batteries	96 V
Charging system	115/230 V
Charge Time	115 V - 14 hours 220 V - 6 hours

REMOVABLE REEL

Standard reel on board

External diameter	42 in (1067 mm)
Internal diameter	18 in (457 mm)
Width	51 in (1295 mm)
Reel capacity	See chart below

PES500 (SYNTHETIC ROPE)

ROPE DIA	CAPACITY		WEIGHT	
Inch (mm)	ft	m	lbs	kg
3/8 (10)	25000	7500	1525	693
7/16 (11)	20000	6200	1440	655
11/32 (12)	17250	5250	1432	651
1/2 (13)	14500	4400	1363	620
9/16 (14)	12400	3800	1302	592
19/32 (15)	11000	3300	1353	615
5/8 (16)	9759	3000	1346	612
3/4 (18)	7250	2250	1160	527
1.0 (24)	4000	1200	1180	536

Max dimensions of the reel

External diameter	72 in (1829 mm)
Internal diameter	56 in (1422 mm)
Max Weight	5600 lbs (2540 kg)
Shaft diameter	2.75 in (70 mm)

BATTERY STORAGE CAPACITY

Rope length recovered

Working Cycle	Average 19685 ft (6000 m)
Working Cycle Max Pulling Force	9842 ft (3000 m)

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- Setting pull value
- Setting reel winder value
- Control of direction and speed of bullwheels
- Display to check stringing parameters
- Stop Operation push button

Negative self-acting electrical brake

Lockable sound dampening integrated covers

Automatic reel winder with automatic level wind

Grounding connection point

Mechanical front and rear stabilizers

Free-wheel device

Electronic pull value limitation control

Remote Diagnostic system with GPS localization.

OPTIONAL EQUIPMENT

ALL261 External Printer

GENERAL SPECIFICATIONS - DOT

Weight (without rope)	8000 lbs (3600 kg)
Overall Length	222 in (5639 mm)
Overall Width	97 in (2464 mm)
Height	110 in (2794 mm)

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Notes

RS26/RS30 Hydraulic Reel Stands

The Condux Tesmec RS26 & RS30 Hydraulic Reel Stands are designed to work exclusively with Condux Tesmec Puller-Tensioners and Tensioners. Manufactured of high grade steel tubing for maximum strength and durability. They come standard with a hydraulic negative brake that provides maximum personnel and conductor safety. The unique design allows for easy loading and unloading.

RS26 REEL STAND MODELS

RS26	21034200

RS30 REEL STAND MODELS

RS30	21035600

RS26 REEL CAPACITY

Maximum Capacity RS26	26,000 lbs (11,793 kg)
Maximum Reel Size RS26	102 x 70 in (2,591 x 1,778 mm)

RS30 REEL CAPACITY

Maximum Capacity RS30	30,000 lbs (13,608 kg)
Maximum Reel Size RS30	120 x 85 in (3,048 x 2,159 mm)

RS26 REEL STAND SPECIFICATIONS

Overall Height	81 in (2,057 mm)
Overall Length	96 in (2,438 mm)
Overall Width	115 in (2,997 mm)
Overall Weight	2,690 lbs (1,179 kg)

RS30 REEL STAND SPECIFICATIONS

Overall Height	91 in (2,311 mm)
Overall Length	102 in (2,591 mm)
Overall Width	130 in (3,302 mm)
Overall Weight	3,050 lbs (1,384 kg)

RS26 STANDARD FEATURES

- Hydraulic Negative Brake
- 50 feet (15.24 m) of Hydraulic Hose
- 4 in (102 mm) Arbor bar

RS30 STANDARD FEATURES

- Hydraulic Negative Brake
- 50 feet (15.24 m) of Hydraulic Hose
- 4 in (102 mm) Arbor bar

RS26 OPTIONAL FEATURES

RS26 H-Frame Kit	21034000
RS26 3 in (76 mm) Arbor Bar Kit*	21034260
RS26 3 in Sleeve Kit	21034267
RS26 Manual Disc Brake Kit**	21035645
RS26 Brake Mount Kit	21035647
Drive Pin Offset Kit	21034258

RS30 OPTIONAL FEATURES

RS30 H-Frame Kit	21035684
RS30 Manual Disc Brake Kit**	21035645
RS30 Brake Mount Kit	21035646
Drive Pin Offset Kit	21034258

** Requires a sleeve kit*
*** Requires a mounting kit*

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URW24 Universal Reel Winder Skid/Trailer

URW24 Skid Mount

The Condux Tesmec URW24 Hydraulic Reel Winder Skid/Trailer is designed to work with the Condux Tesmec Pullers & Puller/Tensioners, and operate as a separate winding system. It is equipped with an automatic level wind and negative self-acting hydraulic brake. The URW24 can be used with the following: The Condux Tesmec optional Fixed Steel reel, optional Detachable Reel or a Steel Conductor Reel.

GENERAL SPECIFICATIONS:

REEL WINDER

URW 24	21032860
URW 24 w/trailer	21032569

REEL CAPACITY

Maximum Capacity	19,000 lbs (8,618 kg)
Maximum Dimensions	90 x 52 in (2,286 x 1,321 mm)

URW24 SKID SPECIFICATIONS

Overall Height	74 in (1,854 mm)
Overall Length	112 in (2,445 mm)
Overall Width	102 in (2,591 mm)
Overall Weight	3,500 lbs (1,588 kg)

URW24 W/TRAILER SPECIFICATIONS

Overall Height	101 in (2,566 mm)
Overall Length	192 in (4,877 mm)
Overall Width	102 in (2,591 mm)
Overall Weight	40,500 lbs (20,639 kg)

URW24 STANDARD FEATURES

Hydraulic Negative Brake

50 feet (15.24 m) of Hydraulic Hose

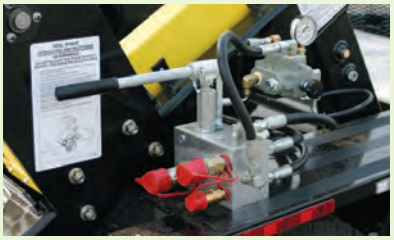
Level wind w/gate

3 in (76.2 mm) Arbor bar

Rear Adjustable Stabilizers

URW24 OPTIONAL EQUIPMENT

21031775	Split reel (for reconductoring)
21031760	Fixed reel (for rope)
	Portable Power Pack



Hydraulic controls for complete control of the reel

Built in Level Wind

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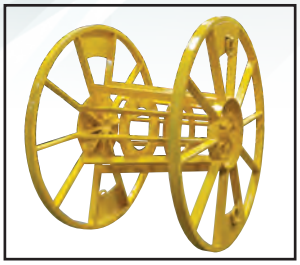
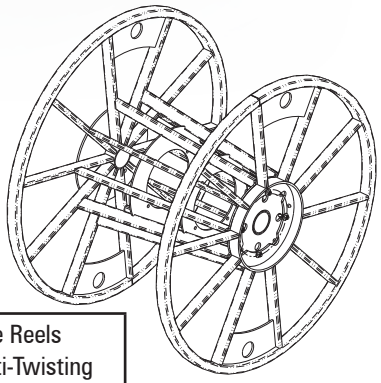
URW Fixed & Split Reels



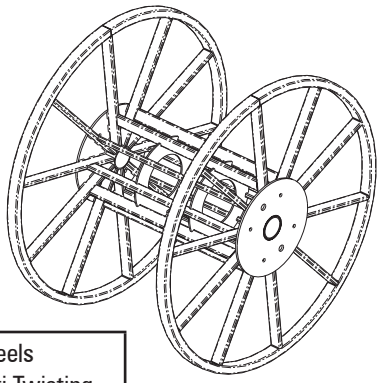
Detachable Reel 21031775



Rope Dia. in (mm)	Capacity* - Detachable Reels Reel Max Capacity for Anti-Twisting Braided Rope - ft (m)
½ (13)	40,400 ft (12,314 m)
¾ (20)	17,300 ft (5,273 m)
1 (25)	9,700 ft (2,957 m)
1¼ (32)	6,250 ft (1,905 m)
1½ (38)	4,250 ft (1,295 m)
2 (51)	2,200 ft (671 m)

*2" of Freeboard and 80% of Total Working Drum Capacity

Fixed Steel Reel 21031760



Rope Dia. (mm)	Capacity* - Fixed Reels Reel Max Capacity for Anti-Twisting Braided Rope - ft (m)
½ (13)	42,800 ft (13,045 m)
⅝ (16)	26,900 ft (8,199 m)
11⁄16 (18)	21,300 ft (6,492 m)
¾ (20)	18,900 ft (5,761 m)
⅞ (22)	13,600 ft (4,145 m)
1 (25)	10,600 ft (3,231 m)

*2" of Freeboard and 80% of Total Working Drum Capacity

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RW23 Reel Winder Trailer

The Condux Tesmec **RW23 Hydraulic Reel Winder Trailer** is designed to work with the Condux Tesmec Pullers & Puller-Tensioners, and can be operated independently when powered by the 21011815 hydraulic power pack. It is equipped with automatic level wind and negative self-acting hydraulic brake. The RW23 can be equipped with the following: The Condux optional Fixed Steel reel, with 5/8, 11/16, 7/8 or 1¼ inch (16, 18, 22 or 31 mm) steel pulling rope of varying capacities.

GENERAL SPECIFICATIONS:

REEL DIMENSIONS

Overall Height	87 in (2,185 mm)
Overall Width	67 in (1,701 mm)

REEL CAPACITY

5/8 in (16 mm)	37,500 ft (11,430 m)
11/16 in (18 mm)	25,000 ft (6,706 m)
7/8 in (22 mm)	25,000 ft (6,706 m)
1.25 in (31 mm)	10,000 ft (3,292 m)

TRAILER SPECIFICATIONS

Overall Height w/reel	133 in (3,378 mm)
Overall Length	192 in (4,877 mm)
Overall Width	102 in (2,591 mm)
Overall Weight w/o Reel	4,500 lbs (2,041 kg)

STANDARD EQUIPMENT

Hydraulic Negative Brake

50 feet (15.24 m) of Hydraulic Hose

BOF330 Reel

Level wind w/gate

Front Drop Leg Jack

Rear Adjustable Stabilizers

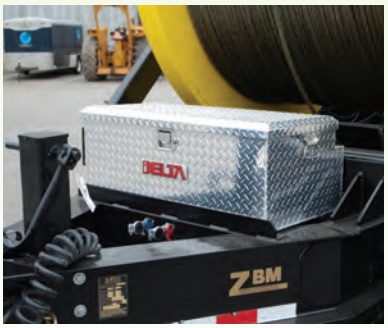
Storage Box

OPTIONAL EQUIPMENT

Portable Power Pack

Hydraulic controls for complete control of the reel

Automatic Hydraulic Level Wind



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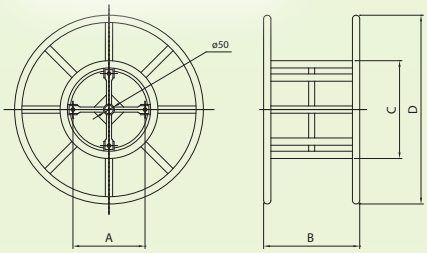
BOF Reels

The reels are made of welded steel with protective coating. Each reel is provided with two cross supports and connecting bolts in separate package.

BOF

Standard Reels - BOF



Model Part Number	Dimensions - in [mm] A	B	C	D	Mass lbs (kg)
BOF010 21009150	16 9/16 (420)	22 1/16 (560)	22 7/16 (570)	43 5/16 (1,100)	117 (53)
BOF020 21009000	16 9/16 (420)	22 1/16 (560)	22 7/16 (570)	55 1/8 (1,400)	161 (73)
BOF030 21009100	16 9/16 (420)	22 1/16 (560)	22 7/16 (570)	74 13/16 (1,900)	298 (135)
BOF330 (RW23 Reel) 21033860	16 9/16 (420)	61 13/32 (1,560)	39 3/4 (1,010)	86 19/32 (2,200)	2,646 (1,200)

Cross support - BOS360

Mass with bolts: 5.7 lbs (2.6 kg)

Rope Dia. in (mm)	Reels Reel Max Capacity for Anti-Twisting Braided Rope - ft (m) BOF010	BOF020	BOF030	BOF330 (RW23 Reel)
1/4 (6)	25,262 (7,700)	43,963 (13,400)	89,567 (27,300)	305,774 (93,200)
5/16 (8)	14,108 (4,300)	24,606 (7,500)	49,541 (15,100)	171,916 (52,400)
3/8 (10)	8,858 (2,700)	15,912 (4,850)	32,152 (9,800)	110,072 (33,550)
1/2 (13)	5,249 (1,600)	8,924 (2,720)	18,209 (5,550)	65,125 (19,850)
5/8 (16)	3,281 (1,000)	5,906 (1,800)	12,303 (3,750)	42,979 (13,100)
11/16 (18)	-	4,593 (1,400)	9,678 (2,950)	33,957 (10,350)
13/16 (20)	-	3,675 (1,120)	7,874 (2,400)	27,395 (8,350)
7/8 (22)	-	3,084 (940)	6,398 (1,950)	22,638 (6,900)
15/16 (24)	-	2,625 (800)	5,249 (1,600)	19,029 (5,800)
1 (25)	-	2,461 (750)	4,987 (1,520)	17,060 (5,200)
1 1/64 (26)	-	2,165 (660)	4,593 (1,400)	16,240 (4,950)
1 3/32 (28)	-	1,903 (580)	3,937 (1,200)	14,009 (4,270)
1 7/32 (31)	-	1,640 (500)	3,248 (990)	11,024 (3,360)

CONDUX | TESMEC

13 HP Hydraulic Power Pack

This portable power source is matched perfectly to the power requirements of the Condux Tesmec reel stand and reel winders. See the chart below for specifications.

GENERAL SPECIFICATIONS:

PERFORMANCE

Engine	13 HP
Fuel	Gas
Cooling	Air
Controls	Manual

CHARACTERISTICS

Frame Type	Two Wheel Mobile Unit
Length	26.5 in (673 mm)
Width	20 in (508 mm)
Height	27.5 in (698 mm)
Weight (Dry)	143 lbs (65 kg)

HYDRAULIC SYSTEM

Hyd. System	Open Center
Hydraulic Oil (Useable)	5 gallons/18.9 liters
Hydraulic Relief Valve Pressure	2,150 PSI (148 BAR)

HYDRAULIC RATED FLOW

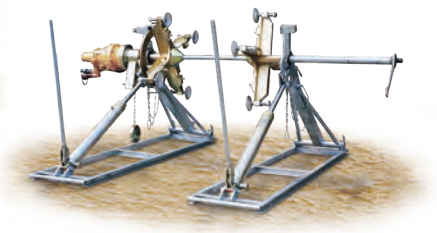
GPM @ PSI	6.8	0	8.8	0
	5.9	1,800	8.0	2000
LPM @ BAR	25.8	0	33.3	0
	22.4	138	30.2	138

CONDUX | TESMEC

CVI Hydraulic Drum Elevators

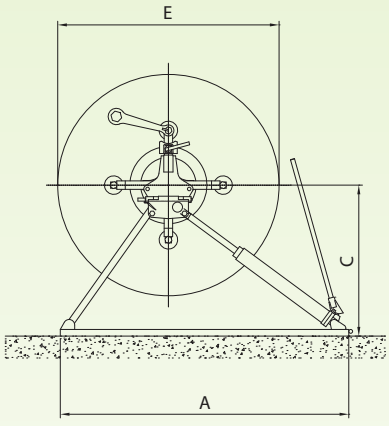
The drum elevators are made of welded steel (galvanized for Mod. 21009435), with a protective coating; the frame is completely detachable to reduce dimensions during transport. Each drum elevator is provided with a support with fixed wedges for wooden drums of conductors and with one mechanical disc braking system to control the drum when unwinding the conductor.

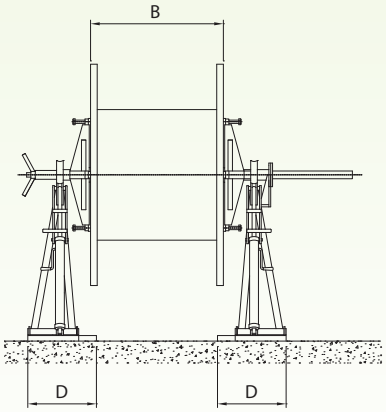
21009430



21009435 with 21009436

Model	Dimensions - in [mm]								Capacity lbf (kN)	Mass lbs (kg)
	A	B Min	B Max	C Min	C Max	D	E Min	E Max		
21009430	65 (1,650)	23 5/8 (600)	59 (1,500)	19 21/32 (500)	43 9/32 (1,100)	21 21/32 (550)	43 9/32 (1,100)	78 3/4 (2,000)	13,500 (60)	626 (284)
21009435	84 5/8 (2,150)	19 21/32 (500)	59 (1,500)	19 21/32 (500)	55 3/32 (1,400)	19 21/32 (500)	29 1/2 (750)	98 13/32 (2,500)	13,500 (60)	728 (330)





OPTIONAL EQUIPMENT FOR 21009435

21009482 Adapter for steel rope standard reels

21009436 Fast assembling hydraulic motor for control of the drum winding and unwinding

MAX TORQUE [kNxm]	MAX ROTATING SPEED (RPM)	Mass lbs (kg)
(1.8)	(45)	172 (78)

CDF051 Second disc brake

TUK054 Kit to eliminate residual pressure in hoses

Kit of connecting hoses

21005325 length 22.9′ (7 m), mass 24 lbs (11 kg)

21005330 length 32.8′ (10 m), mass 33 lbs (15 kg)

21005335 length 49.2′ (15 m), mass 51 lbs (23 kg)

21009435

21009436

CONDUX | TESMEC

CVI600-CVI810 Hydraulic Drum Elevators HD

21009440 with 21009488 and 21009441

Part Number: 21009440
Part Number: 21009470

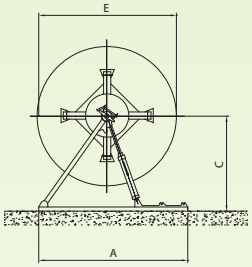
21009470 with 21009472 and CDF059

The drum elevators are made of welded steel with a protective coating; the frame is completely detachable to reduce dimensions during transport. The drum elevator includes only the main frame with a mechanical disc braking system. The model 21009440 must be completed with the available devices CDR or CDT. The model 21009470 must be completed with the available devices 21009472 or CDT.

	Dimensions - in [mm]								Capacity lbf (kN)	Mass lbs (kg)
Model	A	B Min	B Max	C Min	C Max	D	E Min	E Max		
21009440	84 1/4 (2,140)	19 21/32 (500)	59 (1,500)	22 13/16 (580)	52 3/4 (1,340)	25 3/16 (640)	47 7/32 (1,200)	98 7/16 (2,500)	15,700 (70)	948 (430)

CONFIGURATION

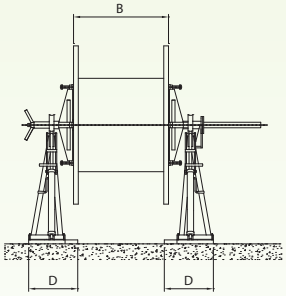
One manual disc brake CDF012 (max torque 225 lbf (1 kN) x ft (m)



	Dimensions - in [mm]								Capacity lbf (kN)	Mass lbs (kg)
Model	A	B Min	B Max	C Min	C Max	D	E Min	E Max		
21009470	98 7/16 (2,500)	31 1/2 (800)	72 27/32 (1,850)	28 11/32 (720)	67 29/32 (1,725)	29 1/8 (740)	59 (1,500)	125 31/32 (3,200)	22,500 (100)	15,700 (550)

CONFIGURATION

One manual disc brake CDF059 (max torque 517 lbf (2.3 kN) x ft (m)



CONDUX | TESMEC

CVI600-CVI810 Available Devices

CDR

CDT

CDA

CDD

CDF

TIH

TUT

AVAILABLE DEVICES FOR HYDRAULIC DRUM ELEVATORS 21009440-21009470

CDR001	Supports with fixing wedges for wooden conductor drums (Only for 21009440)
21009488	Supports with self-locking fixing wedges for wooden conductor drums Max reel hole diameter = 4.92" (125 mm) (Only for 21009440)
21009472	Supports with self-locking fixing wedges for wooden conductor drums (Only for 21009470)
CDTxxx	Special driver with fixed wedges for steel conductor reels (reel drawing is required)
21009480	Adapter for steel rope standard reel (BOF010-BOF020-BOC040-BOC050) (Only for 21009440)
21009475	Adapter for steel rope standard reel (BOF010-BOF020-BOC040-BOC050) (Only for 21009470)
CDAxxx	Special adapter for steel conductor reels (reel drawing is required)
21009484	Automatic level wind for standard steel rope reels (BOF010-BOF020-BOC040-BOC050) (Only for 21009440)
CDDxxx	Automatic level wind for steel conductor reels (reel drawing is required)
21009439	Manual disc brake (max torque 517 lbf (2.3 kN) x ft (m) (Only for 21009440)
TIH	Fast assembling hydraulic motor for control of the drum winding and unwinding

Model	MAX TORQUE [kNxm]	MAX ROTATING SPEED (RPM)	Mass lbs (kg)
21009441 (for 21009440)	(1.8)	(45)	168 (76)
21009436 (for 21009435)	(1.8)	(45)	172 (78)
21009444 (for 21009440)	(2.3)	(32)	172 (78)
21009471 (for 21009470)	(2.3)	(37)	172 (78)

TUTxxx Kit of connecting hoses

Model	LENGTH ft [m]	Mass lbs (kg)
21005325	23 (7)	24 (11)
21005330	32 (10)	33 (15)
21005335	49 (15)	51 (23)

CONDUX | TESMEC

DLC Distance Counter

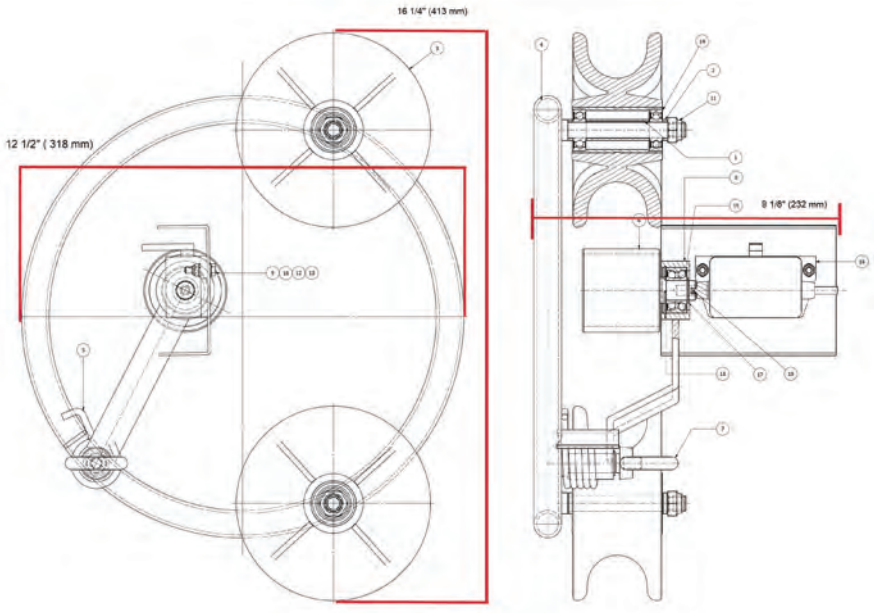
DISTANCE COUNTER DEVICE - DLC

This device is suitable to measure the length in feet or meters of the conductors or the stringing ropes.

Part Number 21005572 - Feet
Part Number 21005570 - Meters

Characteristics

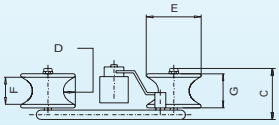
Mass	12.7 lbs (5.75 kg)
Groove Width	2" (55 mm)

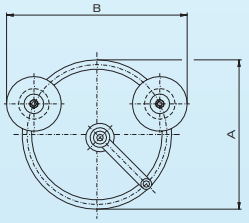


CONDUX | TESMEC

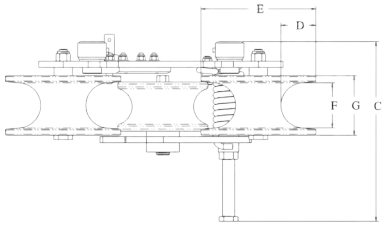
MTR Grounding Devices

Grounding device designed for ropes and conductors, should be installed during stringing operations between first and last tower between tensioner and puller.





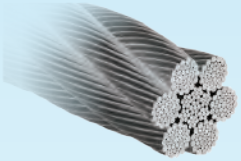
Part Number 21000900

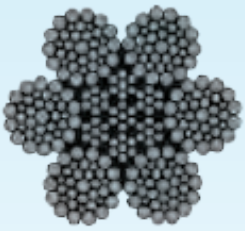


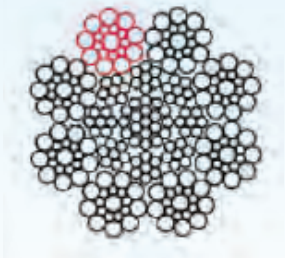
Part Number 21000902

PART NUMBER	A OVERALL HEIGHT in (mm)	B OVERALL LENGTH in (mm)	C OVERALL WIDTH in (mm)	D ROLLER DEPTH in (mm)	E ROLLER DIAMETER in (mm)	F ROLLER I.D. in (mm)	G ROLLER O.D. in (mm)	WEIGHT lbs (kg)
21000900	13 (330)	15¾ (400)	5 (127)	1⅛ (29)	5 (127)	2⅜ (60)	3 (76)	13 (5.9)
21000902	16 (406)	19 (483)	5⅛ (130)	2⅛ (54)	7 (178)	2¾ (70)	3¾ (95)	23 (10.4)

FUS High Resistance Steel Rope







FUS MODEL	NOMINAL DIAMETER inches (mm)	INDICATIVE LUBRICATED LINEAR WEIGHT lbs/ft (kg/m)	MINIMUM BREAKING LOAD* lbs (kN)
FUS008	5/16 (8)	.19 (0.29)	14,118 (62.8)
FUS009	11/32 (9)	.24 (0.36)	17,872 (79.5)
FUS010	3/8 (10)	.30 (0.45)	20,053 (98.2)
FUS011	7/16 (11)	.36 (0.54)	26,820 (119.3)
FUS012	15/32 (12)	.44 (0.65)	31,855 (141.7)
FUS013	½ (13)	.53 (0.79)	37,813 (168.2)
FUS014	35/64 (14)	.62 (0.92)	43,770 (194.7)
FUS015	19/32 (15)	.71 (1.06)	50,177 (223.2)
FUS016	5/8 (16)	.81 (1.20)	57,056 (253.8)

*There is up to 30% breaking load loss on eyes.

CONDUX | TESMEC

FUA/FUH High Tech Antitwisting Braided Rope

FUA MODEL	NOMINAL DIAMETER inches (mm)	INDICATIVE LUBRICATED LINEAR MASS* lbs/ft (kg/m)	MINIMUM BREAKING LOAD lbs (kN)	STANDARD LENGTH** ft (m)
FUA006	¼ (6)	0.07 (0.11)	4,833 (22.9)	5,906-11,811 (1,800-3,600)
FUA008	5/16 (8)	0.15 (0.22)	9,577 (42.6)	5,249 (1,600)
FUA611	7/16 (11)	0.24 (0.36)	15,287 (75)	3,609 (1,100)
FUA613	½ (13)	0.34 (0.50)	22,706 (105)	2,625-5,249 (800-1,600)
21000114	19/32 (15)	0.48 (0.71)	35,969 (150)	2,953-5,905 (900-1,800)
21000117	11/16 (18)	0.72 (1.07)	47,660 (225)	3,937 (1,200)
FUA621	¾ (21)	0.96 (1.43)	58,900 (300)	2,953 (900)
FUA623	⅞ (23)	1.16 (1.72)	71,939 (360)	2,625 (800)
FUA625	15/16 (25)	1.34 (2.00)	83,404 (420)	2,297 (700)
FUA628	1⅛ (28)	1.73 (2.57)	107,684 (540)	1,969 (600)

FUH MODEL	NOMINAL DIAMETER inches (mm)	INDICATIVE LUBRICATED LINEAR MASS* lbs/ft (kg/m)	MINIMUM BREAKING LOAD lbs (kN)	STANDARD LENGTH** ft (m)
21000850	11/32 (9)	0.17 (0.25)	13,489 (60)	5,249 (1,600)
21000852	½ (13)	0.34 (0.50)	27,202 (121)	2,625-5,249 (800-1,600)
21000854	⅝ (16)	0.51 (0.76)	41,140 (183)	2,953 (900)
21000856	11/16 (18)	0.68 (1.01)	54,629 (243)	2,625 (800)
21000858	⅞ (22)	0.99 (1.48)	80,482 (358)	2,953 (900)
21000860	31/32 (25)	1.36 (2.02)	107,908 (480)	2,625 (800)
21000862	1¼ (31)	2.02 (3.00)	160,289 (713)	1,640 (500)

***According to production variations, the linear mass may change**

****The rope is also available in longer continuous sections (without connectors) up to 22,966 ft (7,000 m)**

STANDARD - FUA

Anti-twisting galvanized steel rope, made up of braiding strands.

Advantages:

- High flexibility
- Complete stability to rotation
- Homogeneous distribution of pressure between the elementary wires
- Increased efficiency during stringing operations
- Strands with individual galvanized elementary wires

HIGH TECH - FUH

Rope having same technological advantages of FUA, but made with high tensile strength steel strands allowing higher working and breaking loads with the same linear mass.

Note: sections are supplied with spliced eyes in the following models:

- 21000020 for diameters ¼-⅜ in (06-12 mm)
- 21000030 for diameters ½-11/16 in (13-18 mm)
- 21000010 for diameters ¾-1¼ in (20-31 mm)

CONDUX | TESMEC

Synthetic Pulling/Stringing Rope

Condux Tesmec offers select synthetic rope options from both Samson and Yale Cordage for pulling and stringing operations.

Synthetic Rope Advantages:

- High Strength
- Lightweight
- Low Stretch
- High Flexibility
- Torque Free

AmSteel®-Blue Color Options

Tenex™ Color Options

Samson

AmSteel®-Blue - sizes ⅛ in – 6 ⅝ in (2 ½ mm – 168 mm)
AmSteel®-Blue is a torque-free 12-strand single-braid that yields the maximum in strength-to-weight ratio and, size-for-size, is as strong as steel – yet it floats. Made of high-modulus polyethylene, *AmSteel-Blue* is easily spliced and inspected; it's an excellent wire rope replacement with extremely low stretch and superior flex fatigue and wear resistance.

Tenex™ - sizes 3⁄16 in – 2 ½ in (5 mm to 60 mm)
Tenex is a 12-strand polyester single-braid that offers high strength with low stretch and outstanding abrasion resistance. It is Samthane coated to provide enhanced wear life, snag resistance, and increased ease of splicing. It is a viable alternative to using double braids when easy field splicing and economy are major considerations.

AmSteel® II Uncoated - sizes ¼ in - 1 ¼ in (6 mm – 30 mm)
AmSteel II Plus has a high-strength core with a cover that creates a firm rope while serving to protect the strength-member core. This HMPE/polyester blend rope has extremely low elongation and is a strong, lightweight alternative for wire rope. Also available coated.

Stable Braid™ – Uncoated - sizes ¼ in - 5 in (6 mm – 120 mm)
Stable Braid is a firm, polyester, double-braided rope with high strength, low stretch, and excellent resistance to wear. Also available coated.

Condux Tesmec offers the full line of Samson's rope catalog. Contact for rope sizes and availability (888) 980-1209.

Certified Splicer

Condux Tesmec is a certified splicer for all 12-strand and parallel core ropes.

CONDUX | TESMEC

Synthetic Pulling/Stringing Rope

Yale Cordage

PE-12 - sizes 5⁄16 in - 1 in (8 mm - 25 mm)
PE-12 has been re-engineered, boosting its strengths significantly. Using the same high-tenacity fiber we use in our value-packed Portland Braid, this polyester single braid offers a single-end-per-carrier construction, which keeps the rope from flattening out in service and self centers in sheaves beautifully.

Ultrex - sizes 1⁄16 in -3 in (1.6 mm - 76 mm)
Ultrex is a 12-strand single braid of Ultra High Molecular Weight Polyethylene (UHMWPE) fiber enhanced with Yale's Maxijacket High Performance coating, which supplies superior abrasion resistance. Ultrex's braid angles and twist level are designed to optimize break strength and keep stretch low.

Unitrex - sizes .44 in - 2.20 in (11.2 mm - 55.9 mm)
Unitrex XS Max Wear, Uniline's high-tech cousin, is a parallel-core rope of Ultra High Molecular Weight Polyethylene (UHMWPE), wrapped with a neoprene tape and over-braided with a tough jacket of high-tenacity polyester. The result is a synthetic cable, somewhat stiffer than your usual rope, which is much like wire in its stretch characteristics.

Condux Tesmec offers the full line of Yale's rope catalog. Contact for rope sizes and availability (888) 980-1209.

Certified Splicer

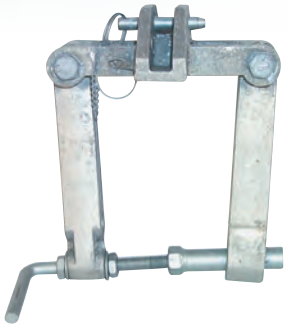
Condux Tesmec is a certified splicer for all 12-strand and parallel core ropes.

CONDUX | TESMEC

Brackets & Blocks

CROSS ARM BRACKET

- Designed to accept most manufacturers universal stringing blocks, and similar blocks
- A single handle screw grips cross arms quickly and securely
- Blocks are held in the bracket by captive locking pins



PART NUMBER	DESCRIPTION
21021124	Cross arm bracket

UNIVERSAL STRINGING BLOCKS

- Universal model can be used as suspension block on an insulator, pole bracket or cross arm.
- Attaches in any one of five positions without extra fittings.
- Spring loaded gate.
- Safety locking pin.
- Made of high-strength cast aluminum alloy* or lined with urethane coating.**

21021122*

21015026**

Part Number	Sheave Diameter (in)	Sheave Diameter (mm)	Conductor Capacity (in)	Conductor Capacity (mm)	Working Load (lbs)	Working Load (N)	Weight (lbs)	Weight (kg)
21021122*	7	178	2	51	2,500	111,211	3	5.9
21015026**	7	178	2	51	2,500	111,211	3	5.9

BLOCK FITTINGS

All block fittings fit into the ball adapter that comes standard with the Universal Stringing Block.

PART NUMBER	DESCRIPTION
21003410	Y-Ball Clevis
21003415	Ball Safety Hook
21003420	Ball Clevis
21003406	Socket Eye
21003405	Socket Eye

21003415

21003410

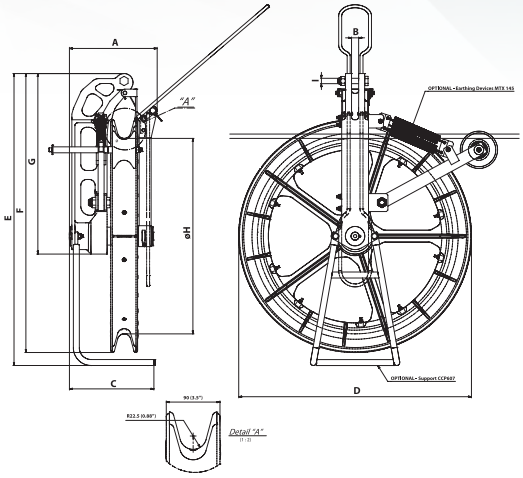
21003420

21003406

21003405

CONDUX | TESMEC

CES Single Blocks for Helicopter Stringing



SINGLE BLOCKS MOD. CES 628

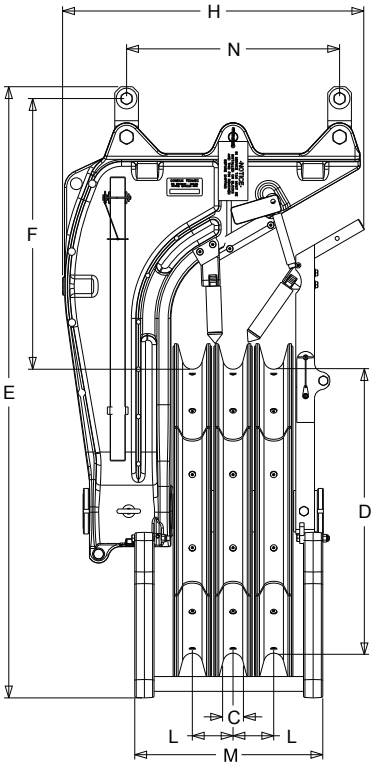
Model Nylatron	Dimensions inches (mm)									Working load	Mass
	A	B	C	D	E	F	G	øH	I	lbf (kN)	lbs (kg)
21003630IEEE	11.6 (294)	0.9 (24)	11.1 (283.14)	30.7 (780)	38.5 (978)	36.8 (935)	23.8 (605)	25.8 (655)	0.71 (18)	9,000 (40)	84 (38)

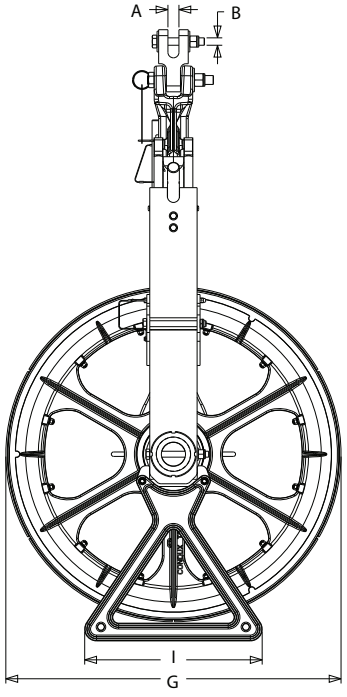
Sectors in IEEE, nylatron and aluminium, or solid aluminium wheels are available upon request

A Grounding Device is available, Part Number 21000923.

3-Bundled Helicopter Blocks

The Condux Tesmec narrow profile block is designed for stringing two or three bundled conductors. Manufactured from aircraft grade heat treated aluminum (A356.01-T6) that provides a lightweight and high strength design. The one-piece cast aluminum frame is over 25% lighter, is stronger and less likely to break compared to blocks utilizing welded extruded frames. The counter-weight fly gate design allows for quicker and more secure rope installs and offers a unique hinge for safer and more efficient cable removal during clipping operation. Field replaceable nylon sectors are standard and last longer than conventional neoprene or urethane linings saving you time and money. Special V-Groove profile urethane sectors for the installation of Twisted Pair Conductors, commonly referred to as T2® or VR2® are also available.



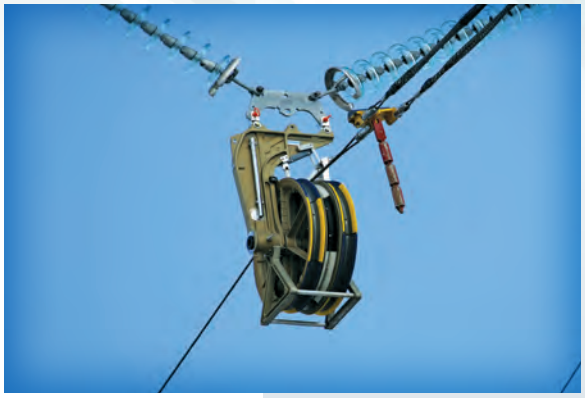


TWO OR THREE BUNDLED CONDUCTORS BLOCKS

Model Nylatron	Dimensions inches (mm)												Breaking load	Mass
	A	B	C	D	E	F	G	H	I	L	M	N	lbf (kN)	lbs (kg)
21033400	15/16 (24)	5/8 (16)	1 3/4 (45)	24 (610)	51 21/32 (1,312)	22 7/8 (581)	28 11/32 (720)	25 7/16 (646)	15 (381)	3 7/16 (87)	15 29/32 (404)	18 (457)	60,000 (270)	225 (102)
21034700 21034855 21034865 21034888	15/16 (24)	5/8 (16)	2 1/8 (54)	32 (813)	60 9/32 (1,531)	23 1/4 (591)	36 13/16 (935)	27 29/32 (709)	20 11/16 (526)	4 1/16 (103)	17 27/32 (453)	18 (457)	60,000 (270)	305 (138)

CONDUX | TESMEC

3-Bundled Helicopter Blocks



CHARACTERISTICS	28 IN (720 MM) BLOCK	36 IN (935 MM) BLOCK
Sheave Diameter	28 11/32 in (720 mm)	36 13/16 in (935 mm)
Sheave, Bottom of the groove diameter	24 in (610 mm)	32 in (813 mm)
Rated Break Load	60,000 lbf (267 kN)	60,000 lbf (267 kN)
Weight	225 lbs (102 kg)	305 lbs (138 kg)

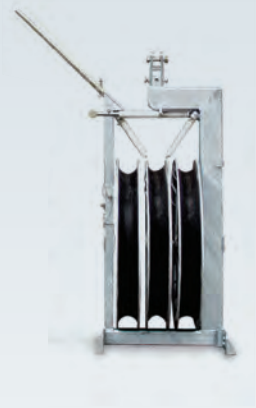
PART NUMBER	28 IN (720 MM) BLOCK
21033400	28 in 3-Bundle Helicopter Block w/ Sectors
21034150	2 or 3 Conductor Headboard for 28 in Blocks
21033402	Ground for 28 in 3-Bundle Helicopter Block

PART NUMBER	36 IN (935 MM) BLOCK
21034700	36 in 3-Bundle Helicopter Block w/ Sectors
21034855	36 in 3-Bundle Helicopter Block w/ V-Groove Sector for T2/VR2
21034865	36 in 3-Bundle Helicopter Block w/ V-Groove Sector for T2/VR2
21034888	36 in 3-Bundle Helicopter Block w/ V-Groove Sector for T2/VR2
21034760	2 or 3 Conductor Headboard for 36 in Blocks fixed 2 & 3 Bundle
21034890	2-Bundle Headboard
21034740	Ground for 36 in 3-Bundle Helicopter Block

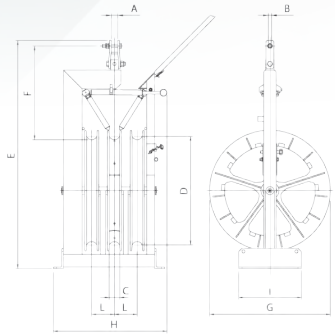
CET 3-Bundled Blocks for Helicopter Stringing, MTX Grounding Devices for Blocks

These two or three bundled blocks are suitable for stringing the pilot rope by a helicopter. The pilot rope is automatically positioned in the (central) wheel. Special guides ensure the correct positioning of the rope during stringing operations. The wheels are made of aluminum alloy mounted on ball bearings; the lateral ones have the groove lined by neoprene ring; the central one has the groove made up of wear-proof interchangeable nylatron sectors. The frame is made of galvanized steel. The blocks are supplied with fixed connection.

Grounding device or complete conductive sheaves are available upon request.



Grounding devices can be supplied on single, bundle and helicopter blocks manufactured by Condux Tesmec. In case of bundle conductor blocks, the grounding device is equipped with independent movement of each contact roller, to allow a fully and permanent grounding effect on each conductor. Grounding devices comply with IEC TR 61328. Grounding cable not included.



TWO OR THREE BUNDLED CONDUCTORS BLOCKS MOD. CET

Model Nylatron	Dimensions inches (mm)										Breaking load	Mass
	A	B	C	D	E	F	G	H	I	L	lbf (kN)	lbs (kg)
21003000	31/32 (25)	15/16 (24)	2 11/16 (68)	32 (800)	70 (1,775)	30 (765)	35 (893)	29 (729)	16 (400)	6 (145)	40,466 (180)	392 (178)
21003100	31/32 (25)	15/16 (24)	3¾ (95)	32 (800)	70 (1,775)	30 (765)	35 (893)	32 (805)	16 (400)	7 (175)	40,466 (180)	437 (198)
21003200*	31/32 (25)	15/16 (24)	3¾ (95)	39 (1,000)	78 (1,980)	30 (765)	43 (1100)	32 (805)	16 (400)	7 (175)	44,962 (200)	516 (234)
21003052												
21003010	2.6 (68)	31.4 (800)	62.2 (1,582)	34.6 (880)	28.7 (730)	5.7 (145)					13,488 (60)	348 (158)
21003201												

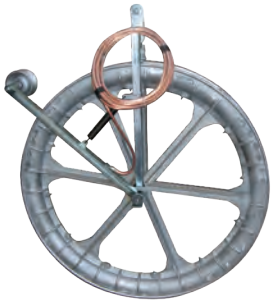
PART NUMBER

21000208	2 or 3 Conductor Headboards for 21003010 & 21003052
21000911	Grounding Device for 3-Bundle Helicopter Block 21003010
21000908	Grounding Device for 3-Bundle Helicopter Block 21003052
21003201	T2-795 Headboard and Grounding Device

*Lateral wheels with nylatron lining

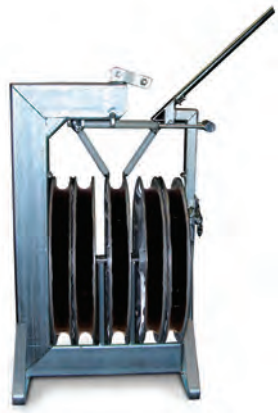
Sectors in IEEE, nylatron and aluminum, or solid aluminum wheels are available upon request

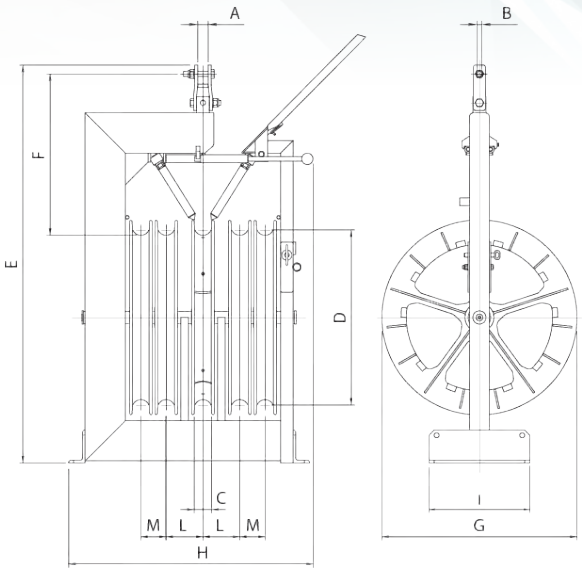
21007190 + MTX081



Block Model	Diameter 650		Diameter 800		Diameter 1000
	68 Narrow Groove	95 Wide Groove	68 Narrow Groove	95 Wide Groove	95 Wide Groove
CASxxx	21000916	21000916	21000916	21000916	MTX081
CATxxx	MTX101	MTX102	MTX101	MTX102	MTX103
CAQxxx	MTX104	MTX105	MTX104	MTX105	MTX106
CESxxx	21000913	21000913	21000913	MTX090	MTX089
CETxxx	MTX107	MTX108	MTX107	MTX108	MTX109
CEQxxx	MTX110	MTX111	MTX110	MTX111	MTX112

CEQ Blocks for Helicopter Stringing





Model Nylatron	Dimensions inches (mm)											Breaking load	Mass
	A	B	C	D	E	F	G	H	I	L	M	lbf (kN)	lbs (kg)
21003060	1 39/64 (41)	25/32 (20)	2 43/64 (68)	25 37/64 (650)	62 13/64 (1,580)	25 15/64 (641)	30 1/2 (775)	35 21/32 (906)	15 47/64 (400)	5 45/64 (145)	3 59/64 (100)	13,488 (60)	502 (228)
21003062	1 39/64 (41)	25/32 (20)	3 47/64 (95)	25 37/64 (650)	63 31/32 (1,625)	26 3/8 (670)	30 1/2 (775)	44 31/64 (1,130)	15 47/64 (400)	6 7/8 (175)	5 7/64 (130)	13,488 (60)	568 (258)
21003064	1 39/64 (41)	25/32 (20)	2 43/64 (68)	31 31/64 (800)	68 57/64 (1,750)	26 3/8 (670)	34 41/64 (880)	35 13/16 (910)	15 47/64 (400)	5 45/64 (145)	3 59/64 (100)	13,488 (60)	551 (250)
21003066	1 39/64 (41)	25/32 (20)	3 47/64 (95)	31 31/64 (800)	68 57/64 (1,750)	25 15/32 (647)	35 5/32 (893)	44 31/64 (1,130)	15 47/64 (400)	6 7/8 (175)	5 7/64 (130)	13,488 (60)	617 (280)
21003068*	1 39/64 (41)	25/32 (20)	3 47/64 (95)	39 23/64 (1,000)	76 37/64 (1,945)	26 3/8 (670)	43 19/64 (1,100)	44 31/64 (1,130)	15 47/64 (400)	6 7/8 (175)	5 7/64 (130)	15,062 (67)	793 (360)

*Lateral wheels with nylatron lining

Sectors in IEEE, nylatron and aluminum, or solid aluminum wheels are available upon request

FOUR BUNDLED CONDUCTORS HELICOPTER BLOCKS MOD. CEQ

These four bundled blocks are suitable for stringing the pilot rope by a helicopter. The pilot rope is automatically positioned in the (central) wheel. Special guides ensure the correct positioning of the rope during stringing operations. The wheels are made of aluminum alloy mounted on ball bearings; the lateral ones have the groove lined by neoprene ring; the central one has the groove made up of wear-proof interchangeable nylatron sectors. The frame is made of galvanized steel. The blocks are supplied with fixed connection.

Grounding device or complete conductive sheaves are available upon request.

CONDUX | TESMEC

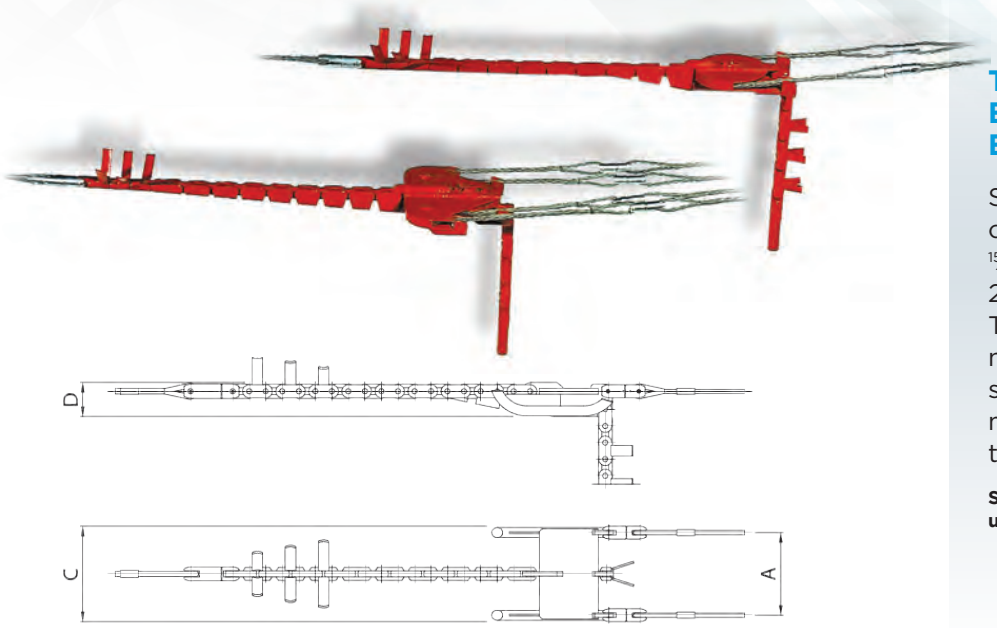
Fiber Optic Head Boards

FIBER OPTIC CABLES ANTI-TWISTING DEVICES - RFF

Specifically designed to connect the pulling rope with a fiber optical cable. They are composed of several jointed rods and two arched rods to facilitate passage on the pulley, and two drawback counterweights to prevent cable twisting.

Model	Dimensions inches (mm)		Breaking load	Mass	For pulleys Ø
	L	R	lbf (kN)	lbs (kg)	inches (mm)
21000200	154 (3,900)	13 (330)	6,744 (30)	132 (60)	16 (400) 20 (500) 26 (650)
21000202	169 (4,300)	20 (500)	6,744 (30)	139 (63)	32 (800) 39 (1,000)

RF Two, Three, Four and Five Bundled Conductors Head Boards



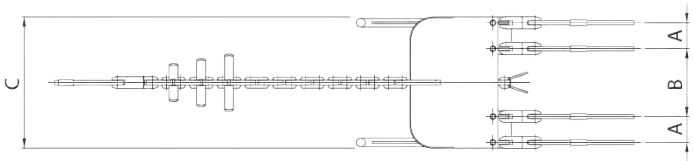
TWO AND THREE BUNDLED FIXED HEAD BOARDS - RF

Specifically designed to connect the pulling rope, max 15⁄16 in (24 mm) diameter, with 2 or 3 bundled conductors. The equipment includes the necessary rope lengths and swivel joints. Quantity and models are indicated in the table below.

Special models are available upon request.

Model	Dimensions inches (mm)			Breaking load	Mass	For pulleys		Equipment			Phase type
								Swivel joints		Steel rope section Ø11/16	
	A	C	D	lbf (kN)	lbs (kg)	Standard	Helicopter	21000335	21000345		
21000215	11½ (292)	13 3⁄16 (335)	5 11⁄16 (144)	62,947 (280)	216 (98)	**21007205 21007200**		2	1	No.2-11.5 ft (3.5 m)	2 conductors
21000235	11½ (292)	13 3⁄16 (335)	5 11⁄16 (144)	62,947 (280)	229 (104)	**21007210 21007220 21007225 21007235**	**21003050 21003000**	3	1	No.3-11.5 ft (3.5 m)	3 conductors
21000240	13 11⁄16 (348)	15 5⁄16 (390)	5 11⁄16 (144)	62,947 (280)	220 (100)	**21007300 21007215**		2	1	No.2-11.5 ft (3.5 m)	2 conductors
21000245	13 11⁄16 (348)	15 5⁄16 (390)	5 11⁄16 (144)	62,947 (280)	236 (107)	**21007400 21007230 21007240 21007245**	**21003300 21003100 21003200**	3	1	No.3-11.5 ft (3.5 m)	3 conductors

Need New Part Numbers & Dimensions



Model	Dimensions inches (mm)				Breaking load	Mass	For pulleys		Equipment	
									Swivel joints	
	A	B	C	D	lbf (kN)	lbs (kg)	Standard	Helicopter	21000335	21000345
21000275	3 15⁄16 (100)	11½ (292)	21 1⁄16 (535)	5 11⁄16 (144)	62,947 (280)	276 (125)	**21007420 21007440**	**21003060 21003064**	4	1
21000280	5⅛ (130)	13⅜ (340)	25 5⁄16 (643)	5 11⁄16 (144)	62,947 (280)	293 (133)	**21007430 21007450 21007460**	**21003062 21003066 21003068**	4	1
21000285	5 13⁄16 (148)	11¾ (298)	25 1⁄16 (637)	5 11⁄16 (144)	62,947 (280)	291 (132)	**21007425 21007445**	-	4	1
21000290	7 (178)	14 (356)	29¾ (755)	5 11⁄16 (144)	62,947 (280)	300 (136)	**21007435 21007455 21007465**	-	4	1
21000295	5⅛ (130)	13⅜ (340)	25 5⁄16 (650)	6⅞ (175)	168,607 (750)	507 (230)	**21007430 21007450 21007460**	**21003062 21003066 21003068**	4	**21000355** 1

FOUR AND FIVE BUNDLED FIXED HEAD BOARDS - RF

Specifically designed to connect the pulling rope, max 1⅛ in (28 mm) diameter, with 4 and 5 bundled conductors. The equipment includes the necessary rope lengths and swivel joints. Quantity and models are indicated in the table to the left.

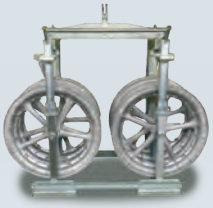
Special models are available upon request.

CONDUX | TESMEC

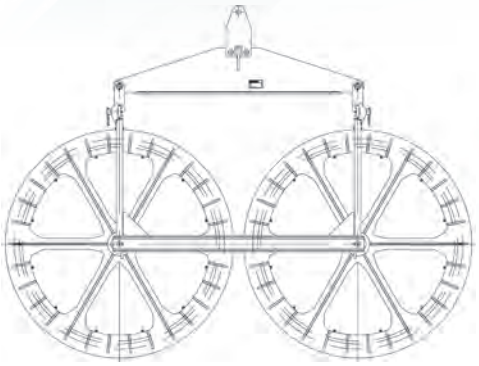
CAM Tandem Blocks

Special tandem blocks built with a steel galvanized yoke connecting two standard blocks. Two connecting rods ensure stability and control for the position of the wheels. Tandem solution increases the breaking load distributing forces on both blocks. Blocks can be detached and used as standard model. Wheels, sectors and yokes are fully interchangeable with standard model. Ground wire not included.

Different versions are available upon request, even for helicopter applications.



21003920



21003922 with MTX008

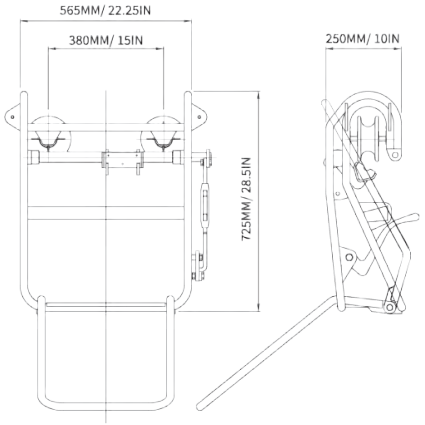
Model	Based on	Wheel Ø	Groove	Breaking load	Mass
		inches (mm)	inches (mm)	lbf (kN)	lbs (kg)
21003910	CAS602XX	26 (650)	2 11⁄16 (68)	40,466 (180)	159 (72)
21003912	CAT613	26 (650)	3¾ (95)	40,466 (180)	639 (290)
21003914	CAT612	26 (650)	2 11⁄16 (68)	47,210 (210)	595 (270)
21003916	CAS607	26 (650)	3¾ (95)	40,466 (180)	192 (87)
21003918	CAS802	32 (800)	2 11⁄16 (68)	40,466 (180)	203 (92)
21003920	CET803	32 (800)	3¾ (95)	53,954 (240)	919 (417)
21003922	CAS002	39 (1,000)	3¾ (95)	40,466 (180)	298 (135)
21003924	CAS027	47 (1,200)	5⅛ (130)	60,698 (270)	551 (250)

CRS Inspection Trolleys

21006015

The inspection trolley is made of light aluminum alloy and allows one person to inspect single conductor lines. The 21006015 comes with a footrest, a stationary brake a meter counter and a safety belt.

21006015



CHARACTERISTICS

Capacity	220 lbs (100 kg)
Mass	29 lbs (13 kg)

OPTIONAL

21006016	Footage counter
21006017	Safety belt

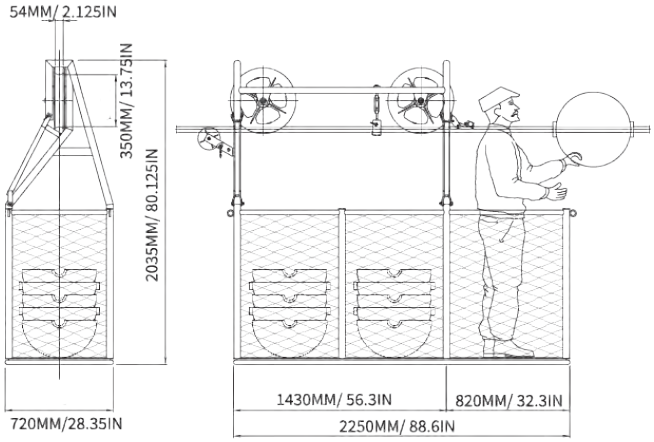
21006060

The inspection trolley is made of light aluminum alloy and allows one person to inspect single conductor lines. Unit comes complete with two aluminum neoprene lined wheels and one nylon wheel on ball bearings, meter counter and stationary brake.

21006060

CHARACTERISTICS

Capacity	331 lbs (150 kg)
Mass	165 lbs (75 kg)



CONDUX | TESMEC

BI Overhead Line Bicycles

21006100

Capacity for all of the Overhead Line Bicycles is 220 lbs (100 kg).

21006100

In aluminum alloy for single line

Mass	57 lbs (26 kg)

AVAILABLE DEVICES

21006105 Basket for working devices

21006150

In aluminum alloy for single line, motorized

Mass	104 lbs (47 kg)

AVAILABLE DEVICES

21006151 Basket for working devices

The bicycles are suitable to fit aircraft warning spheres on single lines and to fit spacers on two, three and four bundled conductor lines.

By pedalling forward the bicycle moves backward in order to provide the operator with necessary working space. The bicycles are equipped with a disc brake on the driving wheel and with an additional safety clamp, which brakes directly on the conductor.

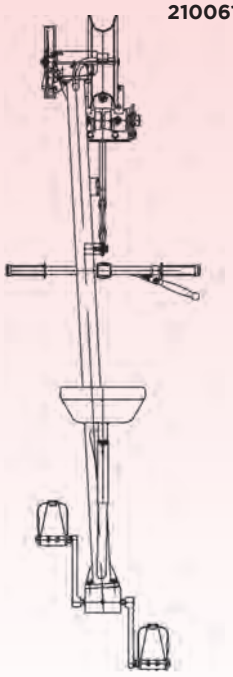
A meter counter and safety chains are also provided.

For models 21006155 and 21006140 the distance between conductors can be set adjusted with pitch of 2 in (50 mm).

Capacity for all of the Overhead Line Bicycles is 220 lbs (100 kg).

Special models with different characteristics are available upon request.

21006100



CONDUX | TESMEC

CRT840 Inspection Electric Trolley

The Condux Tesmec **CRT840 Inspection Trolley** is suitable for work on two, or three bundled conductors. The trolley is powered by four electric motors and an on-board battery. The unit provides easy lever and joystick control for speed, direction and brakes.

GENERAL SPECIFICATIONS:

PERFORMANCE

Max speed	2.5 mph (4.0 km/h)
Max inclination	18°
Speed at maximum inclination	1.5 mph (2.5 km/h)
Autonomy	6 ÷ 8 span
Capacity	2.5 kN

CHARACTERISTICS

Conductors spacing	18 in (457 mm)

POWER UNIT

Number of gearmotors	4
Total rated power	800 W
Electrical tension	24 V

SAFETY DEVICES

Stationary brake voluntarily activated by operator

Negative brake

Footrest on the platform

Anti-slippage floor

Guard and protection on the rotating part

ADDITIONAL FEATURES

Rubber wheel

Lightweight aluminium frame

Four lifting point

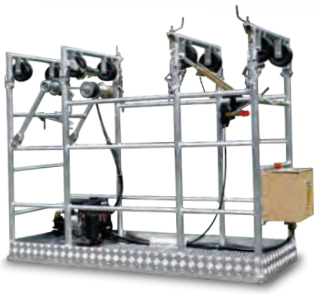
Four Anchoring point on the side of the trolley

DIMENSIONS

Length	71 in (1800 mm)
Width	28.5 in (725 mm)
Height	63 in (1600 mm)
Total mass:	308 lb (140 kg) approx

CONDUX | TESMEC

21006030



21006042

21006055

Aluminum alloy inspection trolleys allow two persons, in a standing position, to inspect two, three and four bundled conductor lines. The trolleys are equipped with spacers and insulators on top, along with stationary brakes and a meter counter.

Special models are available upon request

21006030-18

Inspection trolleys for two bundled conductors lines, **motorized** version

Mass	243 lbs (110 kg)

ENGINE

Gasoline	4 hp (3 kW)
Cooling system	air
Starting system	by handle

21006035-18

Inspection trolleys for two bundled conductors lines

Spacing	18 inches (457 mm)
Capacity	562 lbf (2.5 kN)
Mass	176 lbs (80 kg)

21006042-18

Inspection trolleys for two or three bundled conductors lines, **motorized** version

Mass	265 lbs (120 kg)

ENGINE

Gasoline	4 hp (3 kW)
Cooling system	air
Starting system	by handle

21006045-18

Inspection trolleys for three bundled conductors lines

Spacing	18 inches (457 mm)
Capacity	562 lbf (2.5 kN)
Mass	198 lbs (90 kg)

21006050-18

Inspection trolleys for four bundled conductors lines, **motorized** version

Mass	276 lbs (125 kg)

ENGINE

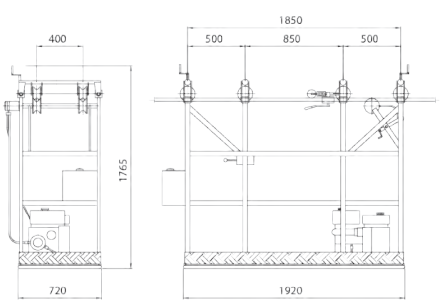
Gasoline	4 hp (3 kW)
Cooling system	air
Starting system	by handle

21006055-18

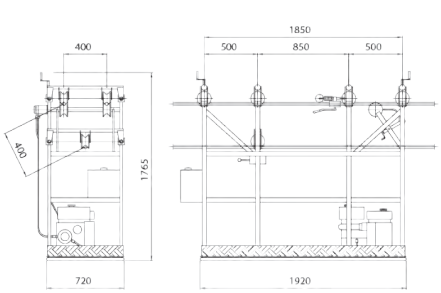
Inspection trolleys for four bundled conductors lines

Spacing	18 inches (457 mm)
Capacity	562 lbf (2.5 kN)
Mass	209 lbs (95 kg)

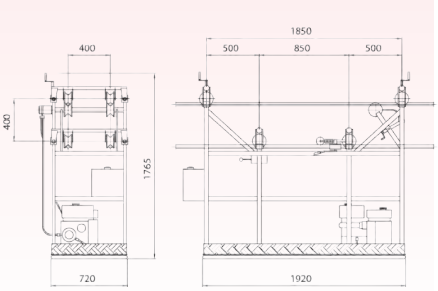
21006030-18



21006042-18



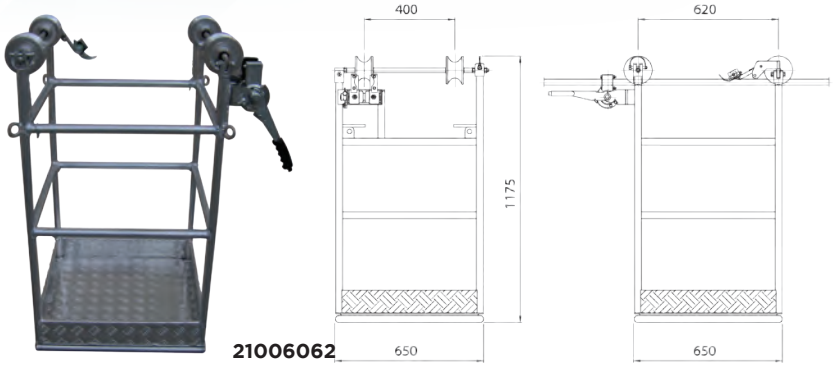
21006055-18



CRB-CRT Inspection Trolleys

21006062

Inspection Trolley light weight for 2 bundled conductors - 2 rigid axles - conductive wheels - one lineman.



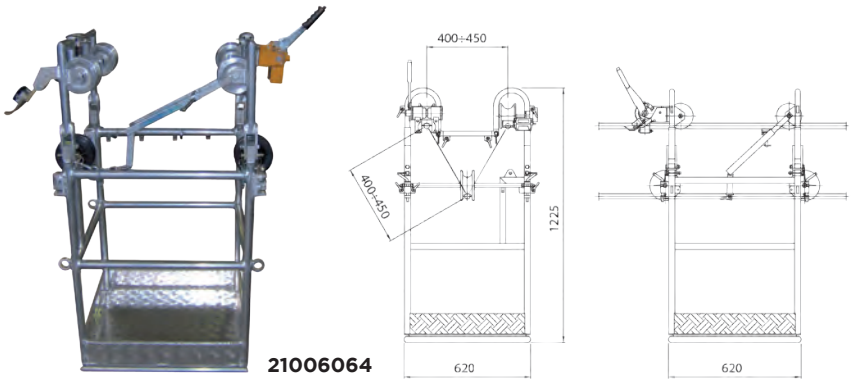
21006062

CHARACTERISTICS

Capacity	220 lbs (100 kg)
Mass	66 lbs (30 kg)

21006064

Inspection Trolley light weight for 2-3 bundled conductors - independent wheels - conductive wheels - one lineman.



21006064

CHARACTERISTICS

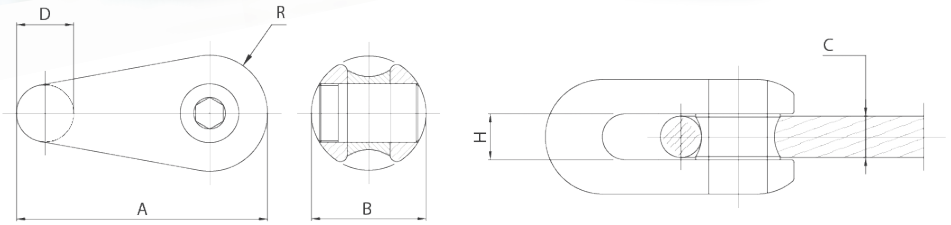
Capacity	265 lbs (120 kg)
Mass	77 lbs (35 kg)

Notes

GFT-GGT Connectors & Swivel Joints

CONNECTORS - GFT

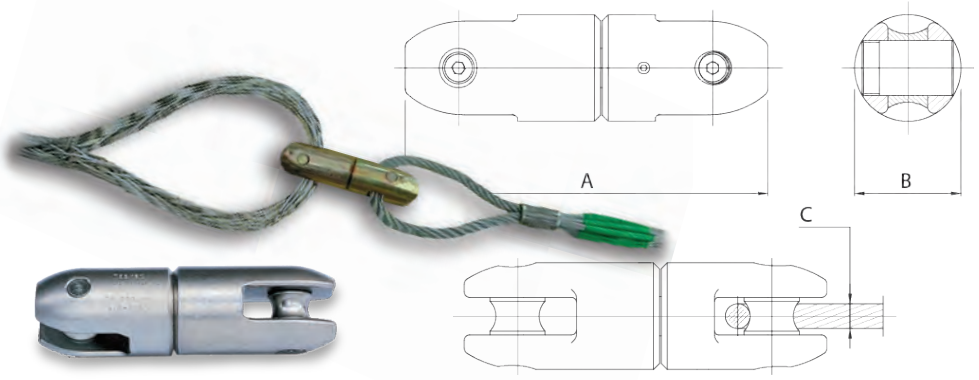
The connectors are specifically designed to connect pilot rope lengths or pulling rope lengths, and pass over the puller or puller-tensioner bull wheels. The special profile minimizes the overload on the rope-spliced eyes during this passage. The connectors are made of high-tensile galvanized steel.



Model	Dimensions inches (mm)						Breaking load	Mass
	A	B	C max	D	H	R	lbf (kN)	lbs (kg)
21000300	2 5/16 (59)	1 1/8 (28)	3/8 (10)	19/32 (15)	7/16 (11)	7/16 (11)	15,737 (70)	0.28 (0.125)
21000310	2 29/32 (74)	1 9/16 (40)	1/2 (13)	25/32 (19.5)	17/32 (14)	19/32 (15)	24,729 (110)	0.72 (0.325)
21000320	3 19/32 (91)	1 7/8 (48)	5/8 (16)	25/32 (20)	3/4 (19)	23/32 (18)	35,969 (160)	1.16 (0.525)
21000330	4 (102)	2 1/8 (54)	23/32 (18)	7/8 (22)	3/4 (19)	25/32 (20)	49,458 (220)	1.65 (0.75)
21000340	4 3/4 (121)	2 3/8 (60)	15/16 (24)	1 1/16 (27)	1 1/32 (26)	7/8 (22)	80,931 (360)	2.26 (1.025)
21000350	6 27/32 (174)	2 31/32 (75)	1 3/32 (28)	1 21/32 (42)	1 3/16 (30)	1 1/4 (32)	168,607 (750)	6.67 (3.025)
21000360	7 7/32 (183)	3 3/16 (81)	1 1/4 (32)	1 21/32 (42)	1 11/32 (34)	1 11/32 (34.5)	168,607 (750)	7.50 (3.4)

SWIVEL JOINTS - GGT

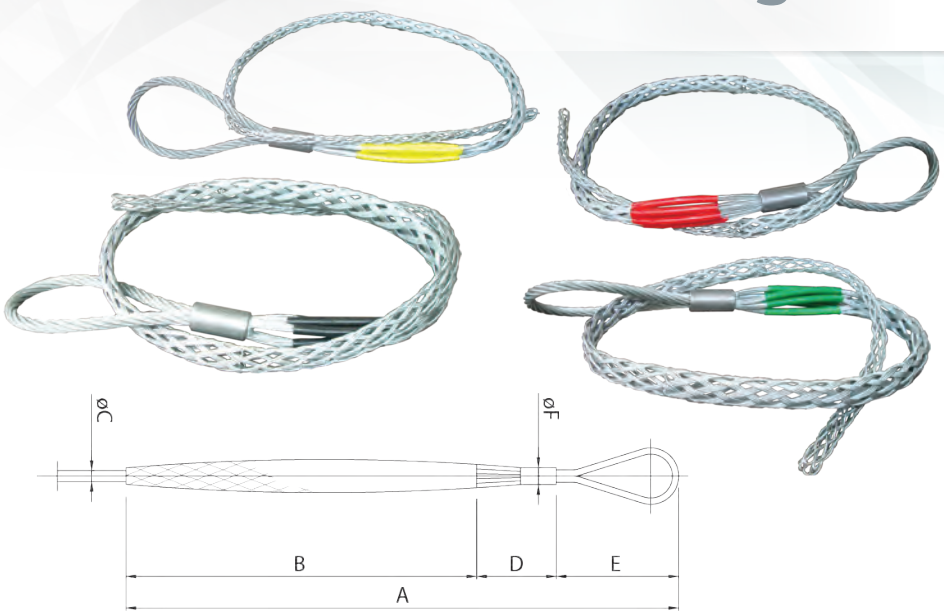
The swivel joints are suitable to connect the pulling rope to the mesh sock joint mounted on the conductor. They are mounted on thrust bearings and are designed to prevent torsion strain. They are made of high-tensile galvanized steel. The special design can handle high radial loads, which occur when passing over pulleys.



Model	Dimensions inches (mm)			Working load (3:1)	Working load (5:1)	Breaking load	Mass
	A	B	C max	lbf (kN)	lbf (kN)	lbf (kN)	lbs (kg)
21000305	4 3/16 (106)	1 3/32 (28)	13/32 (10)	5,245 (23)	3,150 (14)	15,700 (70)	0.66 (0.3)
21000315	5 5/8 (143)	1 9/16 (40)	1/2 (13)	8,300 (37)	4,900 (22)	24,700 (110)	2.04 (0.925)
21000335	7 1/4 (184)	2 1/8 (54)	23/32 (18)	16,400 (73)	9,900 (44)	49,500 (220)	4.74 (2.15)
21000345	9 7/32 (234)	2 3/8 (60)	15/16 (24)	27,000 (120)	16,200 (72)	81,000 (360)	7.50 (3.4)
21000355	12 11/16 (322)	3 1/32 (77)	13/32 (28)	56,000 (250)	33,700 (150)	168,600 (750)	18.08 (8.2)
21000365	13 7/32 (336)	3 3/16 (81)	1 1/4 (32)	56,000 (250)	33,700 (150)	168,600 (750)	19.18 (8.7)
21000375	15 7/8 (403)	4 3/32 (104)	1 1/2 (38)	74,200 (330)	44,500 (198)	222,600 (990)	43.00 (19.5)

CONDUX | TESMEC

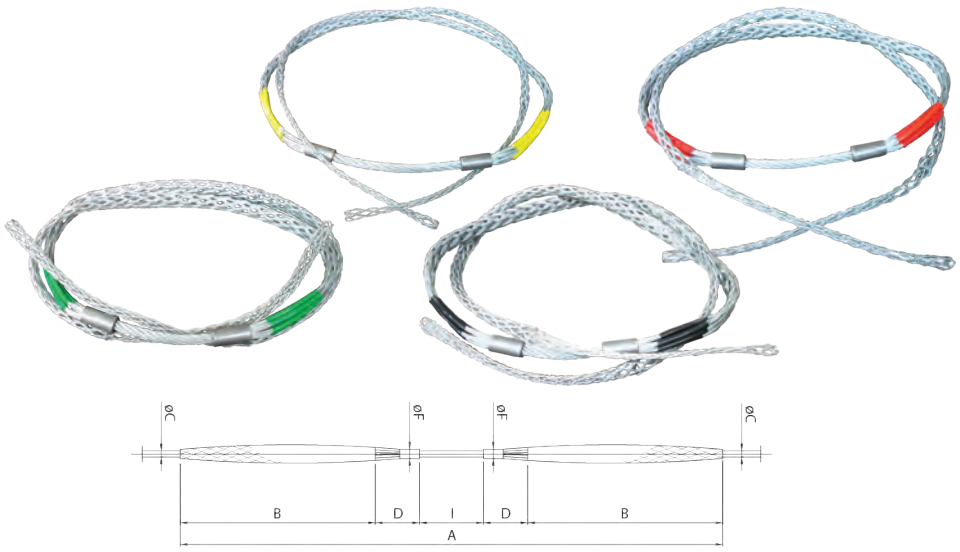
GCT High Performance Sock



Model	Suitable swivel	Ø Conductor in (mm)	Dimensions in (mm) A	B	D	E	F	Identifying color	Breaking load lbf (kN)	Mass lbs (kg)
21000500	21000305	.315-.669 (8-17)	55⅛ (1,400)	43⁵⁄₁₆ (1,100)	5½ (140)	6⁵⁄₁₆ (160)	⅞ (22)	yellow	7,868 (35)	1.54 (0.7)
21000510	21000315	.669-1.142 (17-29)	66¹⁵⁄₁₆ (1,700)	53¹⁷⁄₃₂ (1,360)	6⁵⁄₁₆ (160)	7³⁄₃₂ (180)	1³⁄₃₂ (28)	red	19,109 (85)	2.87 (1.3)
21000520	21000335	1.142-1.49 (29-38)	74¹³⁄₁₆ (1,900)	57⅞ (1,470)	7⅛ (200)	9¹⁄₁₆ (230)	1³⁄₁₆ (30)	green	24,225 (130)	4.63 (2.1)
21000530	21000335 21000345	1.49-1.969 (38-50)	89⅜ (2,270)	71²¹⁄₃₂ (1,820)	7⅛ (200)	9²⁷⁄₃₂ (250)	1¹¹⁄₃₂ (34)	black	40,466 (180)	5.95 (2.7)

HEAD-TYPE

The head-type temporary mesh sock joints are specifically designed to temporarily connect the aluminum, steel or copper conductor to the pulling rope. They consist of variable pitch steel wires, which effectively distribute the gripping effect on the conductor.



Model	Ø Conductor in (mm)	Dimensions inches (mm) A	B	D	F	I	Identifying color	Breaking load lbf (kN)	Mass lbs (kg)
21000550	.315-.669 (8-17)	105½ (2,680)	43⁵⁄₁₆ (1,100)	5½ (140)	⅞ (22)	7⅞ (200)	yellow	7,868 (35)	2.54 (1.15)
21000560	.669-1.142 (17-29)	127⁹⁄₁₆ (3,240)	53¹⁷⁄₃₂ (1,360)	6⁵⁄₁₆ (160)	1³⁄₃₂ (28)	7⅞ (200)	red	19,109 (85)	5.07 (2.3)
21000570	1.142-1.490 (29-38)	139⅜ (3,540)	57⅞ (1,470)	7⅞ (200)	1³⁄₁₆ (30)	7⅞ (200)	green	29,225 (130)	7.94 (3.6)
21000580	1.490-1.969 (38-50)	166¹⁵⁄₁₆ (4,240)	71²¹⁄₃₂ (1,820)	7⅞ (200)	1¹¹⁄₃₂ (34)	7⅞ (200)	black	40,466 (180)	10.58 (4.8)

DOUBLE HEAD-TYPE

The double head-type temporary mesh sock joints are specifically designed to temporarily connect the aluminum, steel or copper conductors. They consist of variable pitch steel wires, which effectively distribute the gripping effect on the conductor.

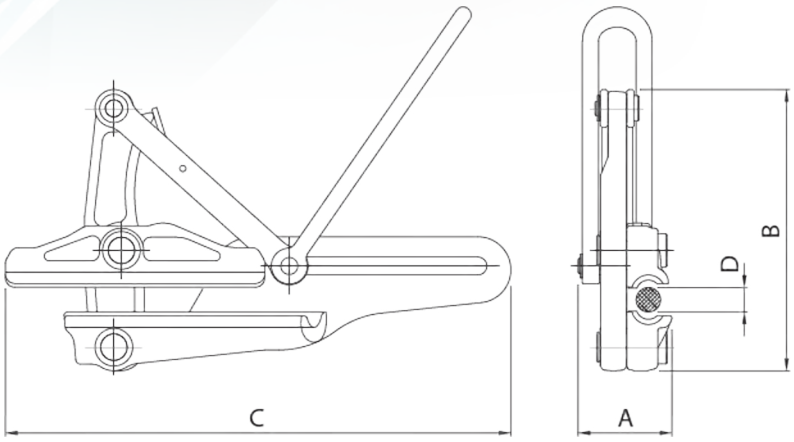
CONDUX | TESMEC

MOT Self-Gripping Hard Line, Steel Rope Clamps

The self-gripping clamps can be used to anchor and to string conductors (aluminum, ACSR...) and steel rope. The body is made of high strength heat forged steel, in order to minimize the ratio between weight and working load. The galvanization treatment on the surface protects from oxidation. Condux Tesmec clamps can be provided with machined body clamps or with interchangeable jaws, as per the following tables. The most important characteristic of the clamp with interchangeable jaws is the ability to use the same clamp for working on conductors, ropes or OPGW of different diameters by only changing the jaws. This feature helps reduce operating costs. New Condux Tesmec clamps can accept a large range of rope and conductor diameters by using a small number of interchangeable or machined jaws.

Special clamp models without jaws are available also for use on conductors.

Special jaws are available upon request.



21004040

Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use		Diameter range inches (mm)
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws	D
21004040	3 5/32 (80)	8 27/32 (225)	15 31/32 (380)	28,101 (125)	9,442 (42)	15.43 (7)	yes	no	0.31-0.71 (8-18)
21004030-024	3 15/16 (100)	11 13/16 (300)	21 1/16 (535)	50,582 (225)	16,861 (75)	33.07 (15)	yes	no	0.71-0.94 (18-24)
21004030-028	3 15/16 (100)	11 13/16 (300)	21 1/16 (535)	50,582 (225)	16,861 (75)	33.07 (15)	yes	no	0.94-1.10 (24-28)
21004038-032	4 1/2 (114)	13 29/32 (353)	23 25/32 (604)	62,947 (280)	20,907 (93)	42.99 (19.5)	yes	no	1.06-1.26 (27-32)

*Max safe working load may change according to local safety factor standards

HARD LINE PULLING CLAMPS

- Constructed of high strength heat forged steel, galvanized for toughness, strength and corrosion resistance
- Suitable for steel hardline ranging in size from .315 to 1.260 inches (8 to 32mm)
- Double V Jaw Contour - Four point contact provides greater gripping pressure
- Tungsten Carbide is cast to lower jaw for wear resistance and additional grip
- Locking loop handles allow the jaws to be held in an open position for easy placement on wire or cable

CONDUX | TESMEC

MOT Aluminum Conductor Clamps and Jaws

21004070

Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use	
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws
21004070	-	-	-	14,388 (64)	4,721 (21)	5.51 (2.5)	no	yes

*Max safe working load may change according to local safety factor standards

INTERCHANGEABLE JAWS FOR MOT CLAMPS

Clamp Model	Jaws Model	D inches (mm)	Use
21004070	21004070-007	0.28-0.39 (7-10)	Aluminum conductor
	21004070-010	0.39-0.51 (10-13)	Aluminum conductor
	21004070-013	0.51-0.63 (13-16)	Aluminum conductor

Warning: it is strictly forbidden to use jaws of different manufacturer.

21004060

Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use	
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws
21004060	$3\frac{5}{32}$ (80)	$8\frac{27}{32}$ (225)	$15\frac{31}{32}$ (380)	28,101 (125)	9,442 (42)	15.43 (7)	no	yes

*Max safe working load may change according to local safety factor standards

INTERCHANGEABLE JAWS FOR MOT CLAMPS

Clamp Model	Jaws Model	D inches (mm)	Use
21004060	21004060-014	0.55-0.67 (14-17)	Aluminum conductor
	21004060-017	0.67-0.79 (17-20)	Aluminum conductor
	21004060-020	0.79-0.91 (20-23)	Aluminum conductor

Warning: it is strictly forbidden to use jaws of different manufacturer.

WIRE PULLING CLAMPS

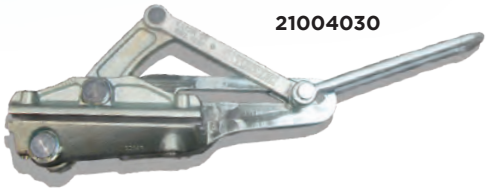
- Constructed of high strength heat forged steel, galvanized for toughness, strength and corrosion resistance
- Clamps feature a full range of interchangeable aluminum liners to be inserted between the upper and lower jaws of the clamp
- Suitable for conductor sizes ranging from .28 to .91 inches (7.1 to 23.1 mm)
- Jaws and liner inserts are round to provide maximum contact and gripping power
- Recommended for use on bare aluminum, ACSR, AAC, ACSS and copper conductors as well as a range of cables
- Locking loop handles allow the jaws to be held in an open position for easy placement on wire or cable

MOT Aluminum Conductor Clamps and Jaws

WIRE PULLING CLAMPS

- Constructed of high strength heat forged steel, galvanized for toughness, strength and corrosion resistance
- Clamps feature a full range of interchangeable aluminum liners to be inserted between the upper and lower jaws of the clamp
- Suitable for conductor sizes ranging from .90 to 1.81 inches (22.9 to 46 mm)
- Jaws and liner inserts are round to provide maximum contact and gripping power
- Recommended for use on bare aluminum, ACSR, AAC, ACSS and copper conductors as well as a range of cables
- Locking loop handles allow the jaws to be held in an open position for easy placement on wire or cable

21004030



Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use	
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws
21004030	3 15/16 (100)	11 13/16 (300)	21 1/16 (535)	50,582 (225)	16,861 (75)	33.07 (15)	no	yes

*Max safe working load may change according to local safety factor standards

INTERCHANGEABLE JAWS FOR MOT CLAMPS

Clamp Model	Jaws Model	D inches (mm)	Use
21004030	21004032-026	0.90-1.02 (22.8-26)	Aluminum conductor
	21004032-029	1.02-1.14 (26-29)	Aluminum conductor
	21004032-032	1.14-1.26 (29-32)	Aluminum conductor
	21004032-033	1.18-1.30 (30-33)	Aluminum conductor

Warning: it is strictly forbidden to use jaws of different manufacturer.

21004038

Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use	
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws
21004038	4 1/2 (114)	13 29/32 (353)	23 25/32 (604)	62,947 (280)	20,907 (93)	42.99 (19.5)	no	yes

INTERCHANGEABLE JAWS FOR MOT CLAMPS

Clamp Model	Jaws Model	D inches (mm)	Use
21004038	21004038-34	1.26-1.38 (32-35)	Aluminum conductor
	21004038-37	1.38-1.50 (35-38)	Aluminum conductor
	21004038-40	1.50-1.61 (38-41)	Aluminum conductor
	21004038-43	1.61-1.73 (41-44)	Aluminum conductor
	21004038-46	1.73-1.81 (44-46)	Aluminum conductor

OPGW Optical Ground Wire Clamps & Jaws

21004060

Model	Dimensions inches (mm)			Breaking load	Max working load*	Mass	Use	
	A	B	C	lbf (kN)	lbf (kN)	lbs (kg)	Steel rope	Conductor interchangeable jaws
21004060	3 5/32 (80)	8 27/32 (225)	15 31/32 (380)	28,101 (125)	9,442 (42)	15.43 (7)	no	yes

*Max safe working load may change according to local safety factor standards

INTERCHANGEABLE JAWS FOR MOT CLAMPS

Clamp Model	Jaws Model	D inches (mm)	Use
21004060	21004061-OPGW	0.24-0.91 (06-23)	OPGW

Item	Description	Inches	
21004061-06.5	JAW,OPGW 6.0- 6.5MM -MOT150	0.236	0.255
21004061-07	JAW,OPGW 6.5- 7.0MM -MOT150	0.255	0.275
21004061-07.5	JAW,OPGW 7.0- 7.5MM -MOT150	0.275	0.295
21004061-08	JAW,OPGW 7.5- 8.0MM -MOT150	0.295	0.314
21004061-08.5	JAW,OPGW 8.0- 8.5MM -MOT150	0.314	0.334
21004061-09	JAW,OPGW 8.5- 9.0MM -MOT150	0.334	0.354
21004061-09.5	JAW,OPGW 9.0- 9.5MM -MOT150	0.354	0.374
21004061-10	JAW,OPGW 9.5-10.0MM -MOT150	0.374	0.393
21004061-10.5	JAW,OPGW 10.0-10.5MM -MOT150	0.393	0.413
21004061-11	JAW,OPGW 10.5-11.0MM -MOT150	0.413	0.433
21004061-11.5	JAW,OPGW 11.0-11.5MM -MOT150	0.433	0.452
21004061-12	JAW,OPGW 11.5-12.0MM -MOT150	0.452	0.472
21004061-12.5	JAW,OPGW 12.0-12.5MM -MOT150	0.472	0.492
21004061-13	JAW,OPGW 12.5-13.0MM -MOT150	0.492	0.511
21004061-13.5	JAW,OPGW 13.0-13.5MM -MOT150	0.511	0.531
21004061-14	JAW,OPGW 13.5-14.0MM -MOT150	0.531	0.551
21004061-14.5	JAW,OPGW 14.0-14.5MM -MOT150	0.551	0.570
21004061-15	JAW,OPGW 14.5-15.0MM -MOT150	0.570	0.590
21004061-15.5	JAW,OPGW 15.0-15.5MM -MOT150	0.590	0.610
21004061-16	JAW,OPGW 15.5-16.0MM -MOT150	0.610	0.629
21004061-16.5	JAW,OPGW 16.0-16.5MM -MOT150	0.629	0.649
21004061-17	JAW,OPGW 16.5-17.0MM -MOT150	0.649	0.669
21004061-17.5	JAW,OPGW 17.0-17.5MM -MOT150	0.669	0.688
21004061-18	JAW,OPGW 17.5-18.0MM -MOT150	0.688	0.708
21004061-18.5	JAW,OPGW 18.0-18.5MM -MOT150	0.708	0.728
21004061-19	JAW,OPGW 18.5-19.0MM -MOT150	0.728	0.748
21004061-19.5	JAW,OPGW 19.0-19.5MM -MOT150	0.748	0.767
21004061-20	JAW,OPGW 19.5-20.0MM -MOT150	0.767	0.787
21004061-20.5	JAW,OPGW 20.0-20.5MM -MOT150	0.787	0.807
21004061-21	JAW,OPGW 20.5-21.0MM -MOT150	0.807	0.826
21004061-21.5	JAW,OPGW 21.0-21.5MM -MOT150	0.826	0.846
21004061-22	JAW,OPGW 21.5-22.0MM -MOT150	0.846	0.866
21004061-22.5	JAW,OPGW 22.0-22.5MM -MOT150	0.866	0.885
21004061-23	JAW,OPGW 22.5-23.0MM -MOT150	0.885	0.905

OPTICAL GROUND WIRE CLAMPS & JAWS

- Constructed of high strength heat forged steel, galvanized for toughness, strength and corrosion resistance
- Clamps feature a full range of interchangeable liners to be inserted between the upper and lower jaws of the clamp
  - Lower liner - Polyurethane (provides cushioning for the optical cable)
  - Upper liner - aluminum
- Suitable for OPGW sizes ranging from .236 to .906 inches (6 to 23 mm)
- Jaws and liner inserts are round to provide maximum contact and gripping power
- Locking loop handles allow the jaws to be held in an open position for easy placement on OPGW

SCS
Light Aluminum Alloy Ladders

SUSPENSION LADDERS - SCS

Specifically designed for suspension works. The ladder is made of light aluminum alloy, fitted with anti-slip rungs, a special track for the anti-fall device and a galvanized steel support hook.

Special models with different lengths are available upon request.

ANTI-FALL DEVICES - SDA

Individual protective devices help prevent the operator from falling down. They are self-guided and self-locking devices running on a special rigid track and made of light aluminum alloy. Devices come with a polyamide mini energy-absorber and safety spring catch to connect it to the safety harness. The use of the safety harness is required. Devices allow for proper movement of the operator along the ladder and, at the same time, protect him from falling down. End stroke devices are provided in order to avoid that the anti-fall device from running away from the anchoring track. These devices comply with the 89/686/CEE European Standard related to the individual protective devices.

AVAILABLE DEVICES

21009648 Double swivel hook

Model	Traction Breaking load	Suggested Working load	Length	Section length	Linear mass	Anti-fall device (model)
	lb (kg)	lbf (kN)	ft (m)	ft (m)	lb/ft (kg/m)	(not included)
21009630	3,372 (15)	674 (3)	11.5 (3.5)	11.5 (3.5)	27.5 (3.8)	21009680
21009635	3,372 (15)	674 (3)	14.8 (4.5)	14.8 (4.5)	27.5 (3.8)	21009680
21009640	3,372 (15)	674 (3)	19.7 (6)	19.7 (6)	27.5 (3.8)	21009680
21009645	3,372 (15)	674 (3)	19.7 (6)	13.1+6.6 (4+2)	27.5 (3.8)	21009680

ANTI-FALL DEVICES - SDA

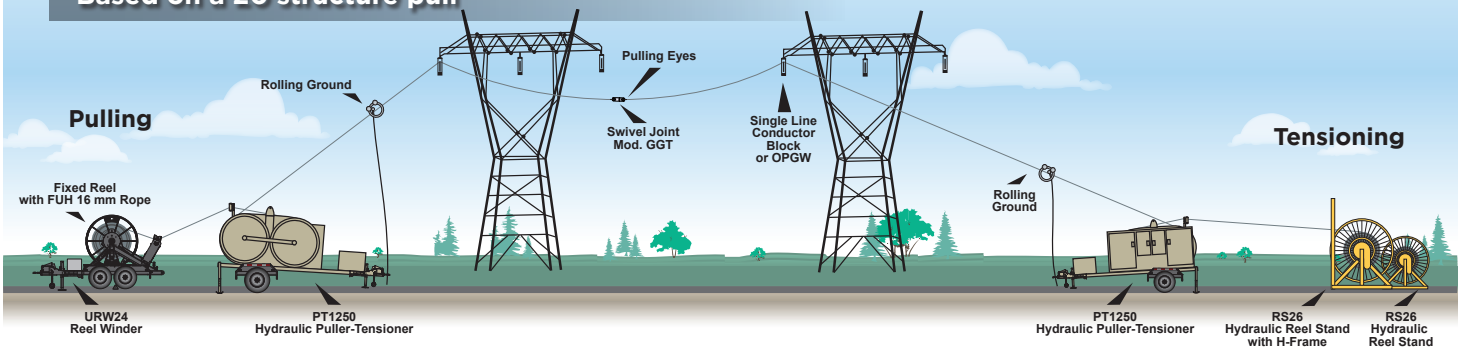
Model	Breaking load	Suggested working load	Nylon rope length	Mass
	lbf (kN)	lbf (kN)	inches (mm)	lbs (kg)
21009680	3,372 (15)	225 (1)	11.8 (300)	2.2 (1)
21009685	3,372 (15)	225 (1)	11.8 (300)	2.2 (1)

CONDUX | TESMEC

Common Setup Configurations

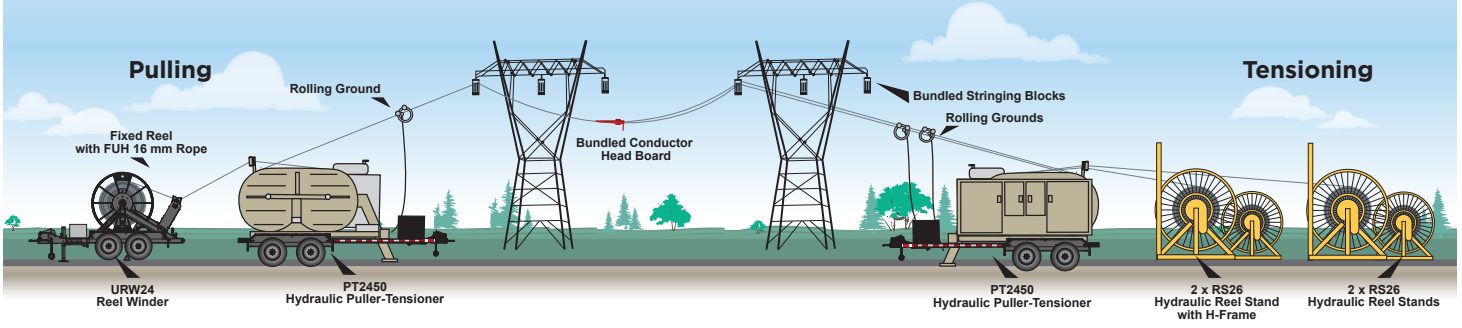
SINGLE CONDUCTOR SETUP

Max 11240 lbf Pull/Tension
15kV - 230kV (OPGW)
Based on a 20 structure pull



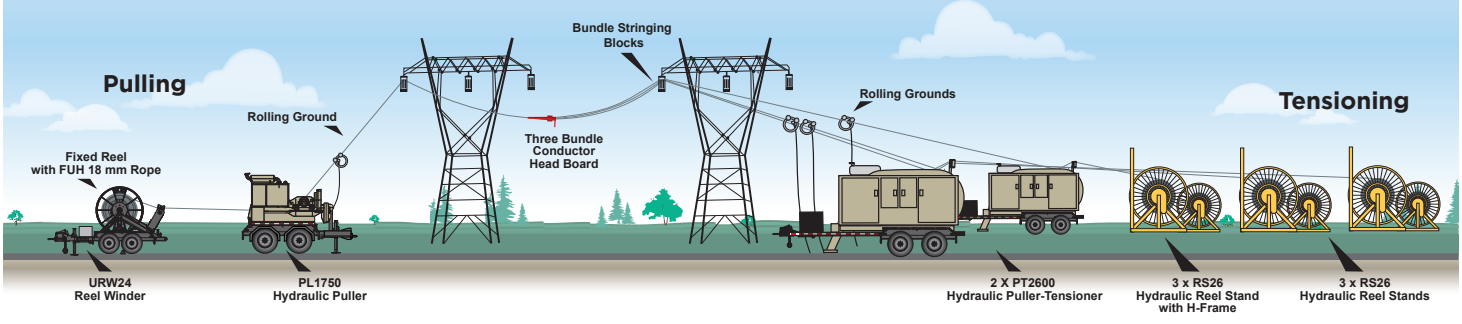
TWO CONDUCTOR SETUP

Max 22480 lbf Pull/Tension
230kV - 345kV
Based on a 20 structure pull



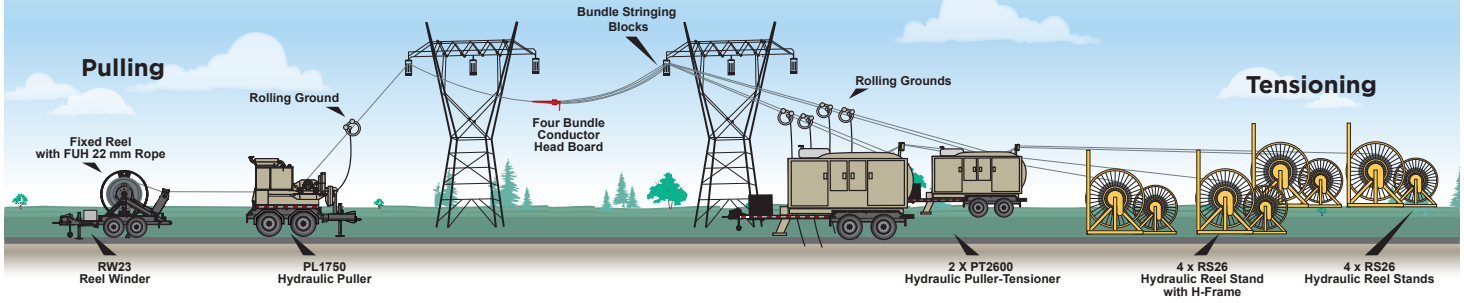
THREE CONDUCTOR SETUP

Max 40500 lbf Pull/Tension
230kV - 500kV
Based on a 20 structure pull



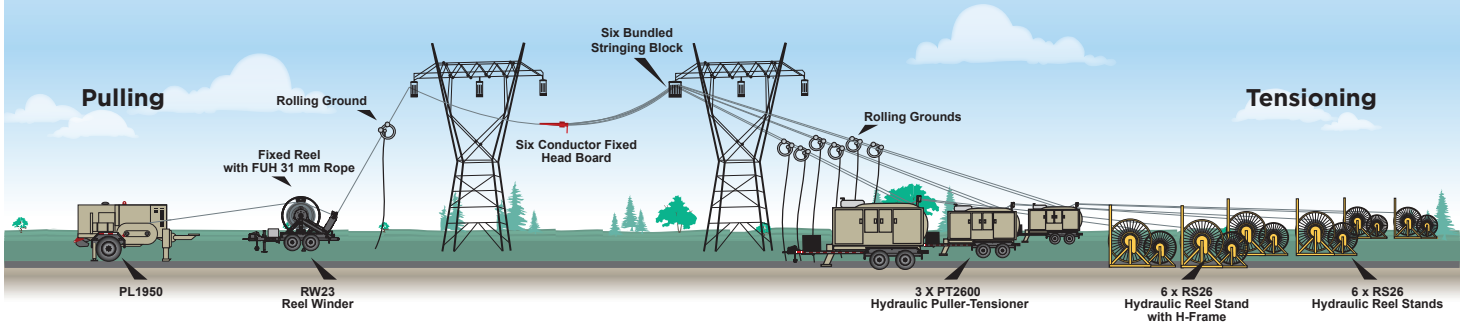
FOUR CONDUCTOR SETUP

Max 40500 lbf Pull/Tension
230kV - 500kV
Based on a 20 structure pull



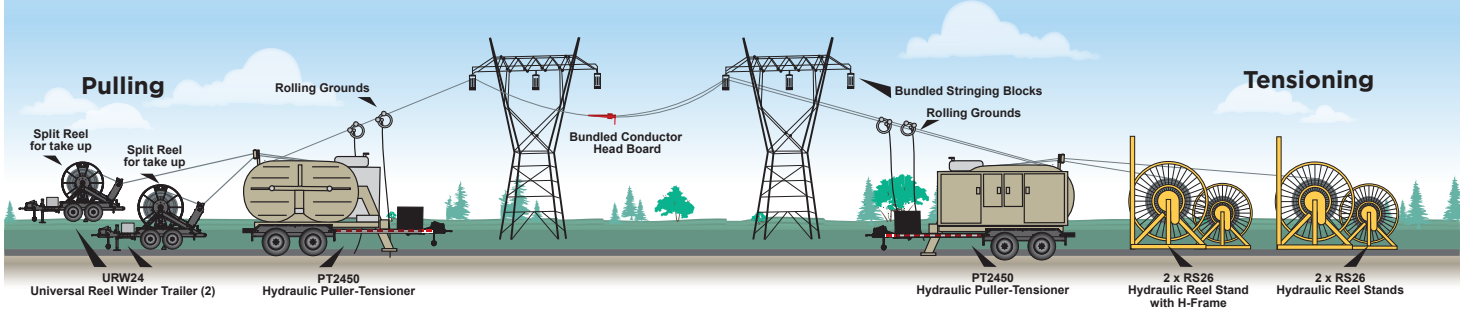
SIX CONDUCTOR SETUP

Max 63000 lbf Pull/Tension
500kV - 765kV
Based on a 20 structure pull



RECONDUCTOR SETUP - TWO CONDUCTORS

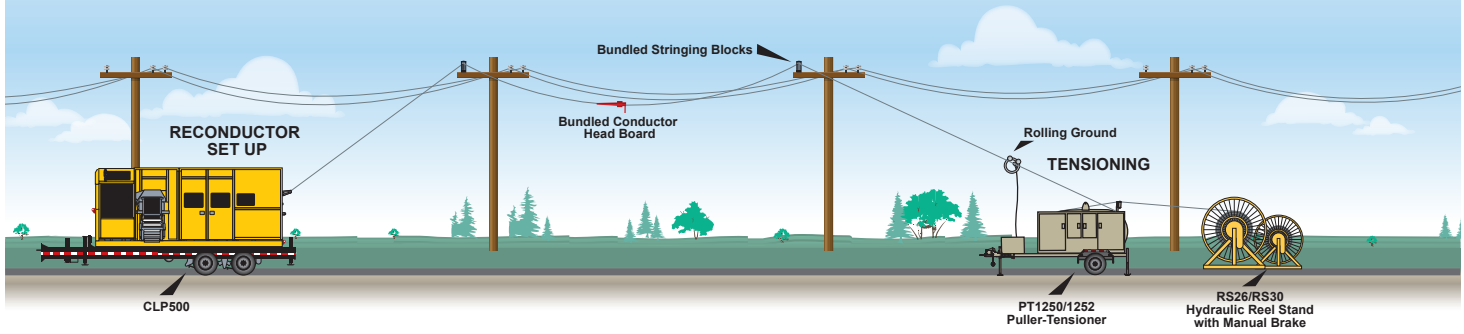
Max 2 x 11240 lbf or 1 x 22480 lbf Pull/Tension
230kV - 500kV
Based on a 20 structure pull



Common Setup Configurations

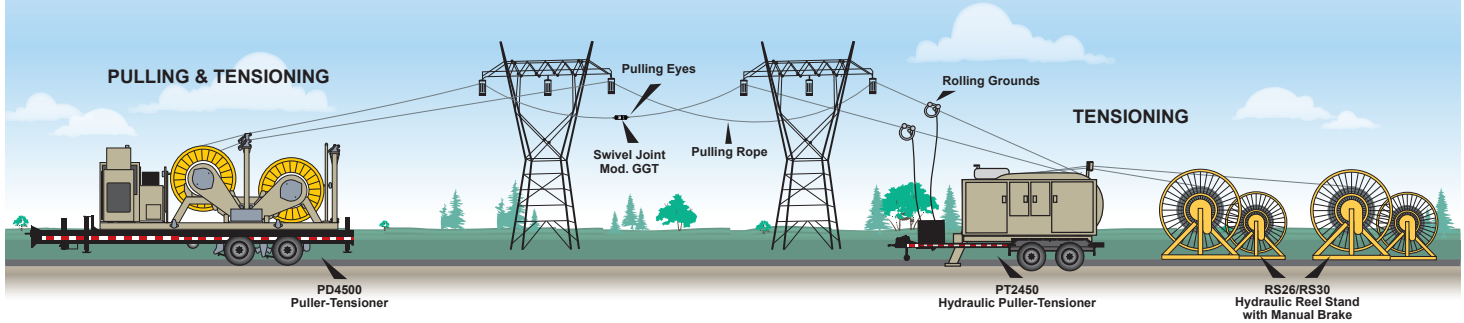
RECONDUCTING - SINGLE CONDUCTOR SET-UP

Max 10,000 lbf Pull
15kV - 230 kV



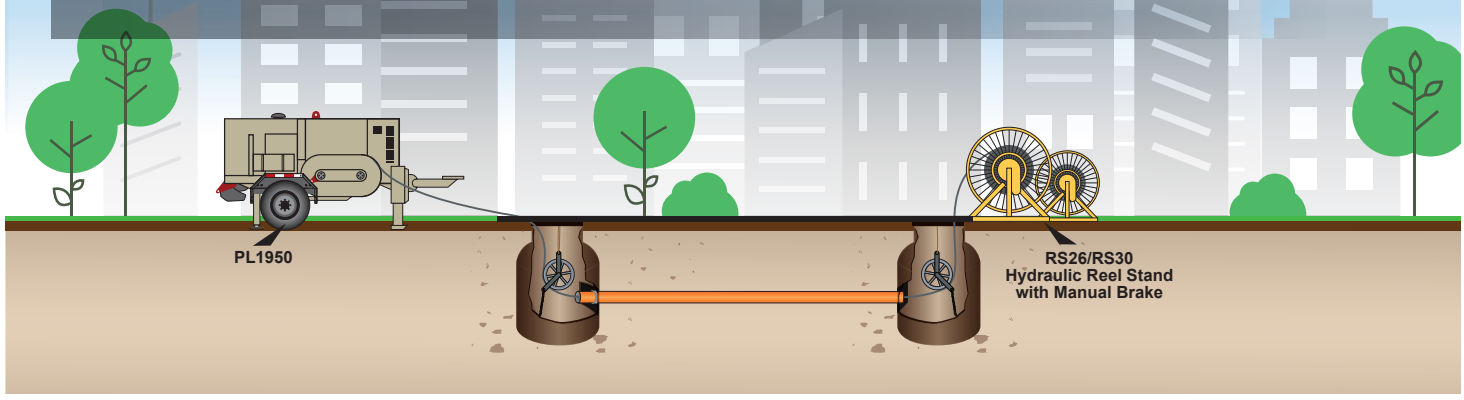
PILOT LINE SET-UP / UP TO 4 PILOT LINES

Max 5,000 lbs Pull



UNDERGROUND SET UP - SINGLE CONDUCTOR

5,000 - 63,000 lbs Pull



Notes

Common ACSR Specifications

CONDUCTOR	SIZE AWG OR KCMIL	COMPLETE DIAMETER	TOTAL WEIGHT PER FT LB
WAXWING	266.8	0.609	0.289
PARTRIDGE	266.8	0.642	0.366
MERLIN	336.4	0.684	0.365
LINNET	336.4	0.721	0.462
ORIOLE	336.4	0.741	0.526
CHICKADEE	397.5	0.743	0.431
IBIS	397.5	0.783	0.546
LARK	397.5	0.806	0.622
PELICAN	477	0.814	0.517
FLICKER	477	0.846	0.614
HAWK	477	0.858	0.655
HEN	477	0.883	0.746
OSPREY	556.5	0.879	0.603
PARAKEET	556.5	0.914	0.716
DOVE	556.5	0.927	0.765
EAGLE	556.5	0.953	0.871
PEACOCK	605	0.953	0.779
SWIFT	636	0.93	0.643
KINGBIRD	636	0.94	0.69
ROOK	636	0.977	0.818
GROSBEAK	636	0.99	0.873
EGRET	636	1.019	0.987
FLAMINGO	666.6	1	0.858
STARLING	715.5	1.051	0.984
REDWING	715.5	1.081	1.109
COOT	795	1.04	0.804
TERN	795	1.063	0.895
CUCKOO	795	1.092	1.024
CONDOR	795	1.093	1.022

CONDUCTOR	SIZE AWG OR KCMIL	COMPLETE DIAMETER	TOTAL WEIGHT PER FT LB
DRAKE	795	1.108	1.093
MALLARD	795	1.14	1.234
RUDDY	900	1.131	1.013
CANARY	900	1.162	1.158
CORNCRAKE	954	1.165	1.074
REDBIRD	954	1.196	1.228
TOWHEE	954	1.175	1.123
RAIL	954	1.165	1.075
CARDINAL	954	1.196	1.228
ORTOLAN	1033.5	1.213	1.163
CURLEW	1033.5	1.246	1.329
BLUEJAY	1113	1.259	1.254
FINCH	1113	1.293	1.430
BUNTING	1192.5	1.302	1.342
GRACKLE	1192.5	1.338	1.531
SKYLARK	1272	1.317	1.286
BITTERN	1272	1.345	1.432
PHEASANT	1272	1.382	1.634
DIPPER	1351.5	1.386	1.521
MARTIN	1351.5	1.424	1.735
BOBOLINK	1431	1.427	1.611
PLOVER	1431	1.465	1.838
LAPWING	1590	1.504	1.790
FALCON	1590	1.545	2.042
CHUKAR	1780	1.602	2.072
MOCKINGBIRD	2034.5	1.681	2.163
BLUEBIRD	2156	1.762	2.508
KIWI	2167	1.735	2.300
THRASHER	2312	1.802	2.523
JOREA	2515	1.88	2.749

Terms & Conditions

General Terms

SHIPPING TERMS
F.O.B. Mankato, Minnesota. Freight prepaid and billed. Subject to prior credit approval.

LOSS OR DAMAGE
Loss or damage in transit are the responsibility of the carrier. Any claim should be filed with the delivering transport company. Invoice Bill of Lading, and Delivery receipt with damage noted therein must accompany any claims for freight damage. Claims for shortage and lost shipments must be made in writing to Condux Tesmec, Mankato, MN within 60 days of date of shipment. Claims not reported within this time frame will not be honored.

PRICES
Prices are subject to change without notice. All orders subject to acceptance at the factory. We reserve the right to invoice prices in effect at time of shipment.

Limited Warranty

Condux Tesmec, Inc. extends the following warranty to the original purchaser of these goods for use, subject to the qualifications indicated: Condux Tesmec, Inc. warrants to the original purchaser for use that the goods or any component thereof manufactured by Condux Tesmec, will be free from defects in workmanship for a period of 1 year from the date of purchase* provided such goods are installed maintained, and used in accordance with Condux Tesmec and the original manufacturer's written instructions.

Components not manufactured by Condux Tesmec, but used within the assembly provided by Condux Tesmec, are subject to the warranty period specified by the individual manufacturer of said component, provided such goods are installed maintained, and used in accordance with Condux Tesmec's written instructions. Condux Tesmec's sole liability and the Purchaser's sole remedy for a failure of goods under this limited warranty, and for any and all claims arising out of the purchase and use of the goods, shall be limited to the repair or replacement of the goods that do not conform to this warranty.

To obtain repair or replacement service under the limited warranty, the purchaser must contact the factory for a Return Material Authorization (RMA). Once obtained, send the Return Material Authorization along the defective part or goods to: Condux Tesmec, Inc. 500 N. Industrial Road, Mankato, MN 56001, U.S.A. freight prepaid.

THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE.

CONDUX TESMEC ASSUMES NO LIABILITY IN CONNECTION WITH THE INSTALLATION OR USE OF THE PRODUCT, EXCEPT AS STATED IN THIS LIMITED WARRANTY, CONDUX TESMEC WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Condux Tesmec, Inc.
500 N. Industrial Road
Mankato, MN 56001 U.S.A.

Toll Free in U.S. and Canada: 1-888-980-1209
International: 1-507-387-8069

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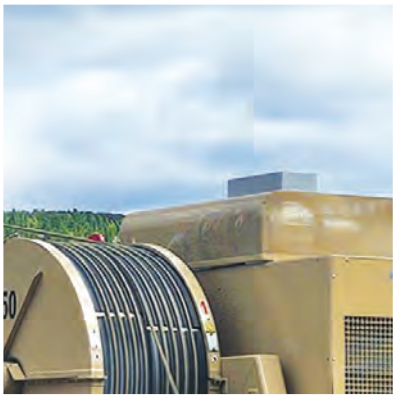

AVAILABLE FROM

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