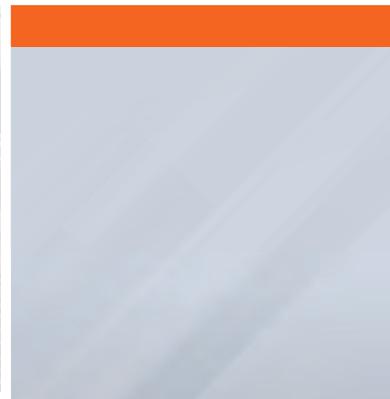


CONDUX

TESMEC



STRINGING EQUIPMENT & ACCESSORIES

CATALOG
2025-26



CONDUX | TESMEC

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.

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

TABLE OF CONTENTS

RECONDUCTORING

| Description | | Page # |
|------------------------------|---------------------|--------|
| Continuous Line Puller (CLP) | 11,240 lbf max pull | 7 |

PULLERS

| Description | | Page # |
|--------------------------|---------------------|--------|
| PM1250 | 11,240 lbf max pull | 10 |
| PM1450 | 22,500 lbf max pull | 11 |
| PL1750 | 40,500 lbf max pull | 12 |
| PL1950 | 63,000 lbf max pull | 13 |
| PE1250 (Electric Puller) | 11,240 lbf max pull | 14 |

PULLER-TENSIONERS

| Description | | Page # |
|---------------------------------------|---|--------|
| PT1150 | 5,620 lbf max pull/tension | 18 |
| PT1250 | 11,240 lbf max pull/tension | 19 |
| PT1252 | 11,240 lbf max pull/tension | 20 |
| PT2450 | 2 x 11,240 or 22,480 lbf max pull/tension | 21 |
| PT2600 | 2 x 15,750 or 31,500 lbf max pull/tension | 22 |
| PD4500 | 2 x 5,000 lbf max pull/tension | 23 |
| PES500 (Electric Puller-Tensioner) | 5,000 lbf max pull/tension | 24 |

REEL STANDS/WINDERS

| Description | | Page # |
|--|--|--------|
| RS26 Hydraulic Reel Stand | | 26 |
| RS30 Hydraulic Reel Stand | | 26 |
| URW24 Universal Reel Winder Trailer | | 27 |
| URW24 Universal Reel Winder Skid Mount | | 27 |
| URW Fixed & Split Reels | | 28 |
| RW23 Reel Winder Trailer | | 29 |
| BOF Reels | | 30 |
| Hydraulic Power Pack | | 31 |
| CVI Reel Elevators | | 32 |
| CVI600-CVI810 Heavy Duty Hydraulic Drum Elevators | | 33 |
| Available Devices for Hydraulic Drum Elevators CVI600-CVI810 | | 34 |

EQUIPMENT ACCESSORIES

| Description | | Page # |
|---------------------------|--|--------|
| Distance Counter (DLC001) | | 35 |

ROPES

| Description | | Page # |
|---|--|--------|
| Grounding Devices (MTR) | | 36 |
| High Resistance Steel Rope (FUS) | | 36 |
| High Tech Antitwisting Braided Rope (FUA-FUH) | | 37 |
| Samson Synthetic Pulling/Stringing Rope | | 38 |
| Yale Cordage Synthetic Pulling/Stringing Rope | | 39 |

BLOCKS

| Description | Page # |
|---|--------|
| Brackets and Universal Blocks and Fittings | 40 |
| Pulleys for Helicopter Stringing (CES) | 41 |
| 3-Bundled Helicopter Blocks | 42-43 |
| Pulleys for Helicopter Stringing (CET), & Grounding Devices For Pulleys (MTX) | 44 |
| Four Bundled Conductors Pulleys (CEQ) | 45 |
| Fiber Optic Cable Head Boards (RFF) | 46 |
| Two, Three, Four and Five Bundled Conductor Head Boards (RF) | 47 |
| Tandem Pulleys (CAM) | 48 |

TROLLEYS

| Description | Page # |
|---|--------|
| Inspection Trolleys (CRS) - Single Conductor, & Overhead Line Bicycles (BI) | 50-51 |
| Inspection Trolley (CRT840) | 52 |
| Inspection Trolleys (CR) | 53 |
| Inspection Trolleys (CRT) - Two and Three Conductor | 54 |

ACCESSORIES

| Description | Page # |
|---|--------|
| Connectors and Swivel Joints (GFT-GGT) | 56 |
| High Performance Sock Joints (GCT) | 57 |
| Self-Gripping Clamps (MOT)/ Interchangeable Jaws for MOT Clamps | 58-61 |

LIGHT ALLOY STRUCTURES

| Description | Page # |
|--|--------|
| Light Aluminum Alloy Ladders (SCS-SDA) | 62 |

TYPICAL SETUP ILLUSTRATIONS

64-66

TERMS & CONDITIONS

69

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.





CONDEX | TESMEC

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

The Most Advanced Stringing & Reconducting 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

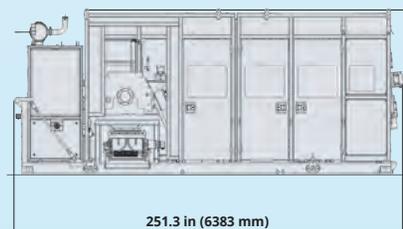
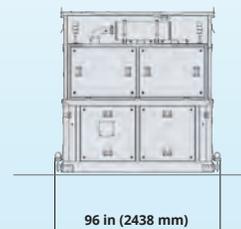
Manual and automatic use

Hook loader suitable for Ampliroll system

Suitable for twistlock container transportation

OPTIONAL EQUIPMENT

- ALL261** External pull and speed printer
- 21035851** Trailer with stabilizer legs



102 in (2590 mm)



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.



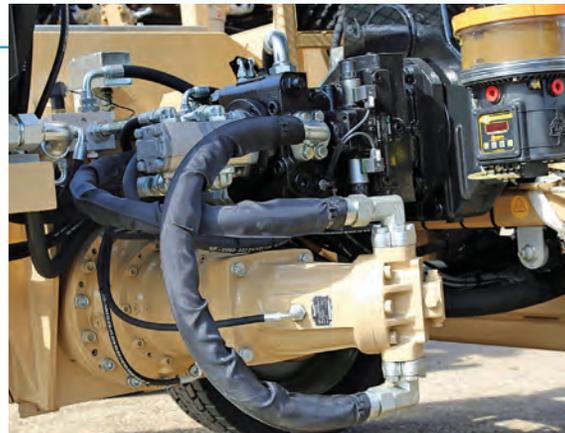
BULLWHEELS

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.



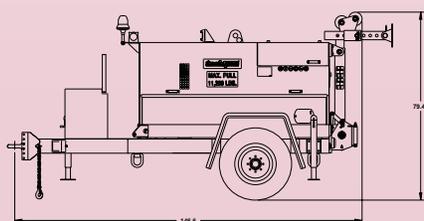
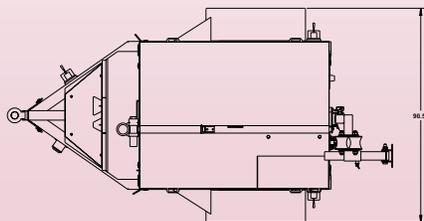
REMOTE CONTROLS

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.



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 capacity 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
- ALLO37** 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) |

PM1450 Underground Hydraulic Puller



The **PM1450** offers 22,500 lbf (100 kN) of pulling force and is designed for stringing **one rope** up to 5/8 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 | 15 3/4 in (400 mm) |
| Max rope diameter | 5/8 in (16 mm) |
| Weight (w/rope) | 12,200 lbs (5,530 kg) |
| Max Reel Capacity | 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 58 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

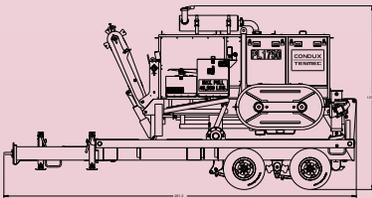
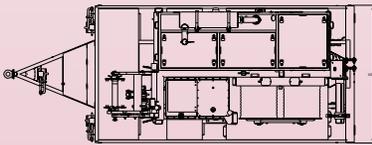
- ALL261** External printer
- ALL065** Self-propulsion movement with tracks system
Max Speed: 1.2mph (2km/h)
Max Inclination: 60% (30°) with machine full weight
Complete with radio remote control for 2 speed movement options, reversible movement and rubber tracks
- ALL037** Preheating device for use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

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 $\frac{3}{32}$ 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)

PL1950 Hydraulic Puller



The **PL1950** offers 63,000 lbf (280 kN) of pulling force respectively and is designed for stringing **one rope** up to 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 1 ⁵ / ₁₆ in (960 mm) |
| Max rope diameter | 1 1 ⁵ / 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

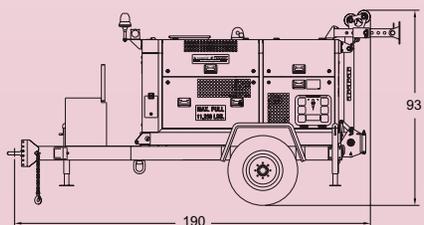
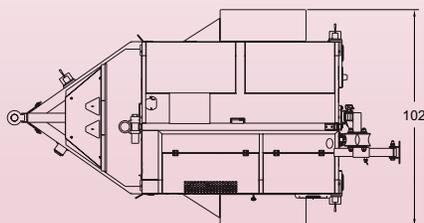
ALL261 External Printer

AXR002 Extra Shaft

AXA234 Underground adapter

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 Δ 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) |

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.

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.



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 | 1 7/8 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 |

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 | 1½ 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



PULLER-TENSIONERS

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

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 | 1½ in (42 mm) |
| Number of grooves | 5 & 3 |

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 position 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



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

ALLO37 Preheating device for use up to -22°F (-30°C)

TAYS245 4 groove sector kit both sides

TAYS328 6 groove sector kit both sides

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) |
| | Individual |
| Rope Diameter | 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 | |
|------------|----------|------|--------|-----|
| | 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) |

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 |
|------|----------|

RS26 REEL CAPACITY

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

RS26 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 REEL STAND MODELS

| | |
|------|----------|
| RS30 | 21035600 |
|------|----------|

RS30 REEL CAPACITY

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

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) |

RS30 STANDARD FEATURES

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

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



URW24 Universal Reel Winder Skid/Trailer



URW24 Skid Mount

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

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.



Hydraulic controls for complete control of the reel



Built in Level Wind

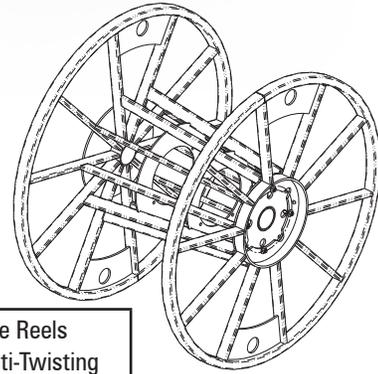


CONDUX | TESMEC

URW Fixed & Split Reels



Detachable Reel 21031775

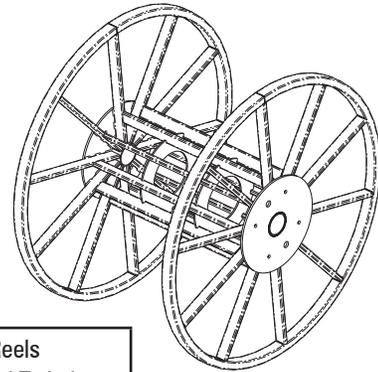


| Rope Dia. in (mm) | Capacity* - Detachable Reels Reel Max Capacity for Anti-Twisting Braided Rope - ft (m) |
|-------------------|---|
| ½ (13) | 40,400 ft (12,314 m) |
| ¾ (20) | 17,300 ft (5,273 m) |
| 1 (25) | 9,700 ft (2,957 m) |
| 1¼ (32) | 6,250 ft (1,905 m) |
| 1½ (38) | 4,250 ft (1,295 m) |
| 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) |
| 5/8 (16) | 26,900 ft (8,199 m) |
| 11/16 (18) | 21,300 ft (6,492 m) |
| ¾ (20) | 18,900 ft (5,761 m) |
| 7/8 (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

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



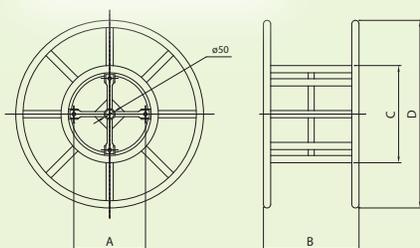
BOF Reels

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] | | | | Mass lbs (kg) |
|-----------------------------------|--|---|---|---|------------------|
| | A | B | C | D | |
| 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) |
| ¼ (6) | 25,262 (7,700) | 43,963 (13,400) | 89,567 (27,300) | 305,774 (93,200) |
| ⅕ (8) | 14,108 (4,300) | 24,606 (7,500) | 49,541 (15,100) | 171,916 (52,400) |
| ⅜ (10) | 8,858 (2,700) | 15,912 (4,850) | 32,152 (9,800) | 110,072 (33,550) |
| ½ (13) | 5,249 (1,600) | 8,924 (2,720) | 18,209 (5,550) | 65,125 (19,850) |
| ⅝ (16) | 3,281 (1,000) | 5,906 (1,800) | 12,303 (3,750) | 42,979 (13,100) |
| 1 ¹ / ₁₆ (18) | - | 4,593 (1,400) | 9,678 (2,950) | 33,957 (10,350) |
| 1 ³ / ₁₆ (20) | - | 3,675 (1,120) | 7,874 (2,400) | 27,395 (8,350) |
| 7 ¹ / ₈ (22) | - | 3,084 (940) | 6,398 (1,950) | 22,638 (6,900) |
| 1 ⁵ / 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 ¹ / ₃₂ (31) | - | 1,640 (500) | 3,248 (990) | 11,024 (3,360) |

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 |

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.

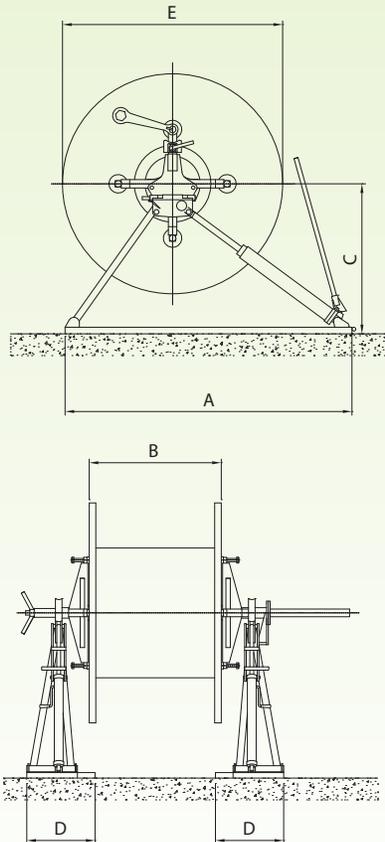


21009430



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) |

21009435



- 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)

21009436



CVI600-CVI810 Hydraulic Drum Elevators HD



21009440 with 21009488 and 21009441



21009470 with 21009472 and CDF059

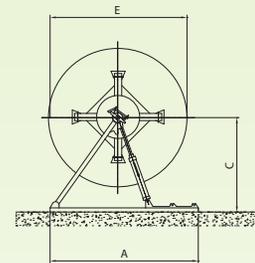
The drum elevators are made of welded steel with a protective coating; the frame is completely detachable to reduce dimensions during transport. The drum elevator includes only the main frame with a mechanical disc braking system. The model 21009440 must be completed with the available devices CDR or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

Part Number: 21009440
Part Number: 21009470

| Model | Dimensions - in [mm] | | | | | | | | Capacity lbf (kN) | Mass lbs (kg) |
|----------|---|---|---------------|---|---|--|--|--|----------------------|------------------|
| | 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

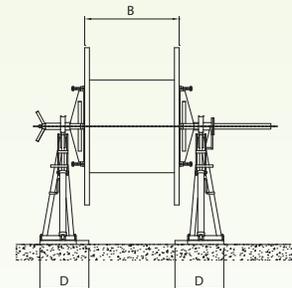
One manual disc brake CDF012 (max torque 225 lbf (1 kN) x ft (m))



| Model | Dimensions - in [mm] | | | | | | | | Capacity lbf (kN) | Mass lbs (kg) |
|----------|--|---|---|---|---|---|---------------|--|----------------------|------------------|
| | 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))



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) |

DLC Distance Counter



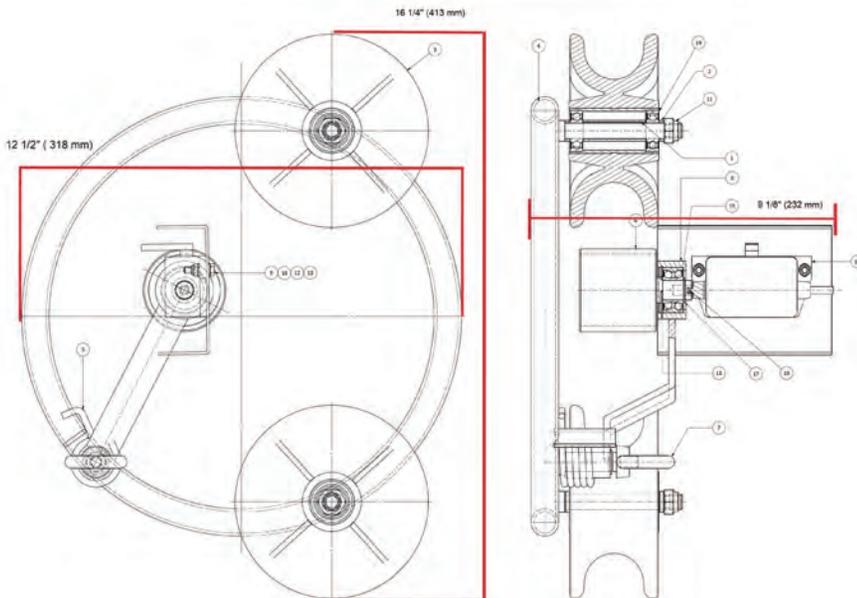
DISTANCE COUNTER DEVICE - DLC

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

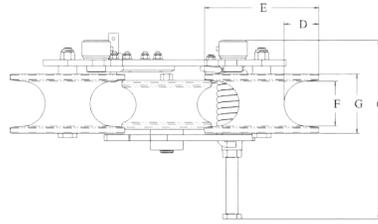
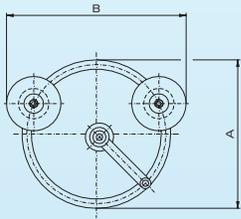
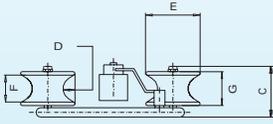
Characteristics

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



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.



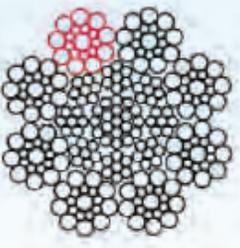
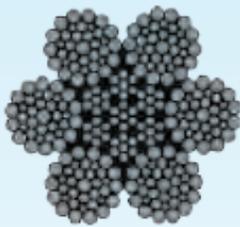
Part Number 21000900



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) | 15 3/4 (400) | 5 (127) | 1 1/8 (29) | 5 (127) | 2 3/8 (60) | 3 (76) | 13 (5.9) |
| 21000902 | 16 (406) | 19 (483) | 5 1/2 (130) | 2 1/8 (54) | 7 (178) | 2 3/4 (70) | 3 3/4 (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 | 1 1/32 (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 | 1/2 (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.

FUA/FUH High Tech Antitwisting Braided Rope



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 $\frac{1}{4}$ - $\frac{3}{8}$ in (06-12 mm)
- 21000030 for diameters $\frac{1}{2}$ - $1\frac{1}{16}$ in (13-18 mm)
- 21000010 for diameters $\frac{3}{4}$ - $1\frac{1}{4}$ in (20-31 mm)

| FUA MODEL | NOMINAL DIAMETER inches (mm) | INDICATIVE LUBRICATED LINEAR MASS* lbs/ft (kg/m) | MINIMUM BREAKING LOAD lbs (kN) | STANDARD LENGTH** ft (m) |
|-----------|------------------------------------|---|-----------------------------------|-----------------------------|
| FUA006 | $\frac{1}{4}$ (6) | 0.07 (0.11) | 4,833 (22.9) | 5,906-11,811 (1,800-3,600) |
| FUA008 | $\frac{5}{16}$ (8) | 0.15 (0.22) | 9,577 (42.6) | 5,249 (1,600) |
| FUA611 | $\frac{7}{16}$ (11) | 0.24 (0.36) | 15,287 (75) | 3,609 (1,100) |
| FUA613 | $\frac{1}{2}$ (13) | 0.34 (0.50) | 22,706 (105) | 2,625-5,249 (800-1,600) |
| 21000114 | $\frac{19}{32}$ (15) | 0.48 (0.71) | 35,969 (150) | 2,953-5,905 (900-1,800) |
| 21000117 | $1\frac{1}{16}$ (18) | 0.72 (1.07) | 47,660 (225) | 3,937 (1,200) |
| FUA621 | $\frac{3}{4}$ (21) | 0.96 (1.43) | 58,900 (300) | 2,953 (900) |
| FUA623 | $\frac{7}{8}$ (23) | 1.16 (1.72) | 71,939 (360) | 2,625 (800) |
| FUA625 | $1\frac{5}{16}$ (25) | 1.34 (2.00) | 83,404 (420) | 2,297 (700) |
| FUA628 | $1\frac{1}{8}$ (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 | $1\frac{1}{32}$ (9) | 0.17 (0.25) | 13,489 (60) | 5,249 (1,600) |
| 21000852 | $\frac{1}{2}$ (13) | 0.34 (0.50) | 27,202 (121) | 2,625-5,249 (800-1,600) |
| 21000854 | $\frac{5}{8}$ (16) | 0.51 (0.76) | 41,140 (183) | 2,953 (900) |
| 21000856 | $1\frac{1}{16}$ (18) | 0.68 (1.01) | 54,629 (243) | 2,625 (800) |
| 21000858 | $\frac{7}{8}$ (22) | 0.99 (1.48) | 80,482 (358) | 2,953 (900) |
| 21000860 | $1\frac{1}{32}$ (25) | 1.36 (2.02) | 107,908 (480) | 2,625 (800) |
| 21000862 | $1\frac{1}{4}$ (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)

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 1/8 in - 6 5/8 in (2 1/2 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 1/2 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 1/4 in - 1 1/4 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 1/4 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.

Synthetic Pulling/Stringing Rope



Yale Cordage

PE-12 - sizes $\frac{5}{16}$ 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 $\frac{1}{8}$ 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 |



21021122*



21015026**

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.**

| Part Number | Sheave Diameter | | Conductor Capacity | | Working Load | | Weight | |
|-------------|-----------------|------|--------------------|------|--------------|---------|--------|------|
| | (in) | (mm) | (in) | (mm) | (lbs) | (N) | (lbs) | (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

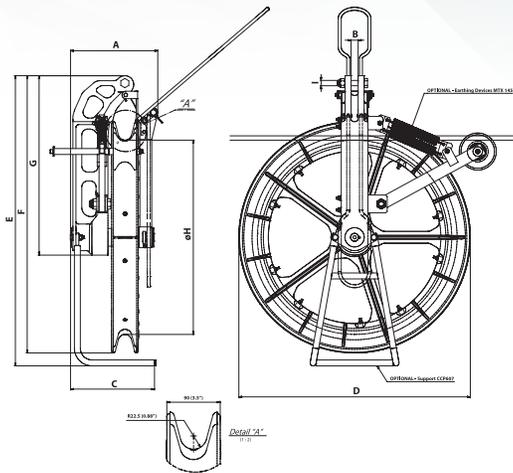
21003410

21003420

21003406

21003405

CES Single Blocks for Helicopter Stringing



SINGLE BLOCKS MOD. CES 628

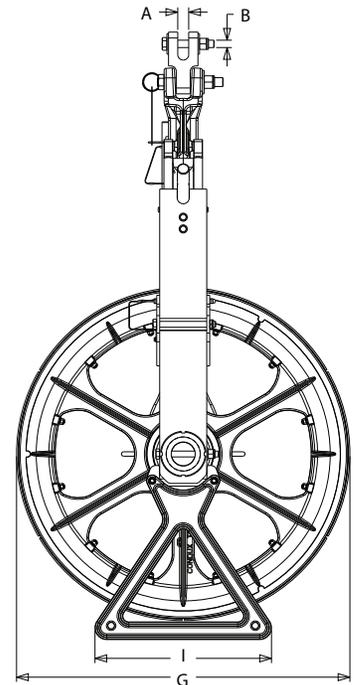
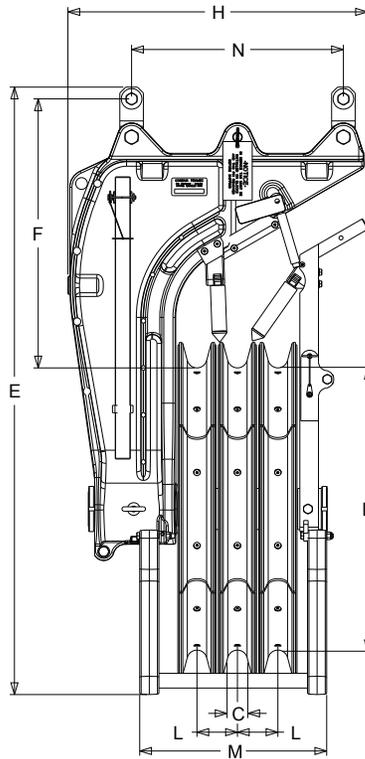
| Model Nylatron | Dimensions inches (mm) | | | | | | | | | Working load lbf (kN) | Mass lbs (kg) |
|-------------------|------------------------|-------------|------------------|---------------|---------------|---------------|---------------|---------------|--------------|-----------------------------|------------------|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

3-Bundled Helicopter Blocks



| CHARACTERISTICS | 28 IN (720 MM) BLOCK | 36 IN (935 MM) BLOCK |
|---------------------------------------|--|---|
| Sheave Diameter | 28 ¹ / ₂ in (720 mm) | 36 ³ / 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 |

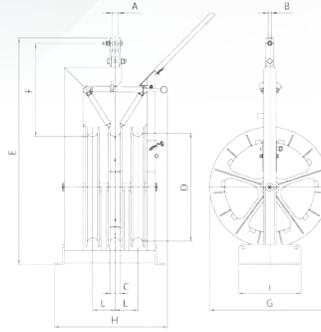
CET 3-Bundled Blocks for Helicopter Stringing, MTX Grounding Devices for Blocks

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 lbf (kN) | Mass lbs (kg) |
|-------------------|---------------------------------------|---------------------------------------|---|---------------|---------------|--------------|--------------|-------------|-------------|------------|------------------------------|------------------|
| | A | B | C | D | E | F | G | H | I | L | | |
| 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) | 3 ³ / ₄ (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) | 3 ³ / ₄ (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

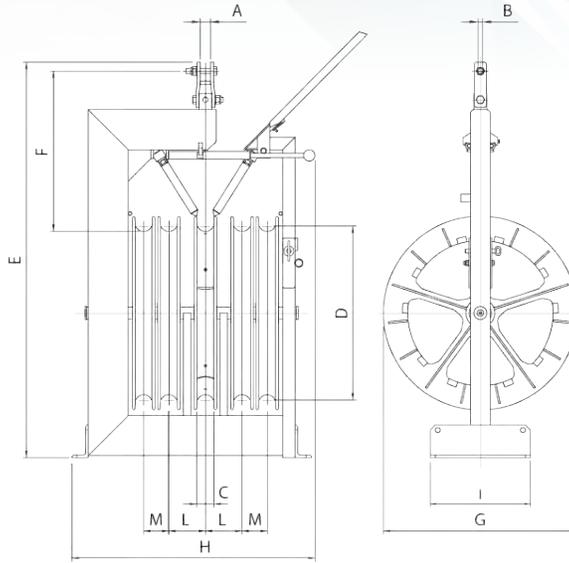
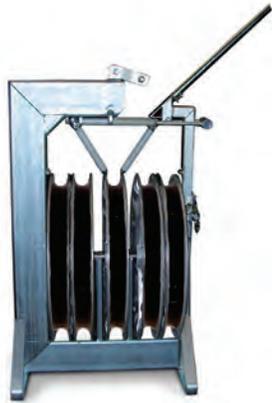
Sectors in IEEE, nylatron and aluminum, or solid aluminum wheels are available upon request

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



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.

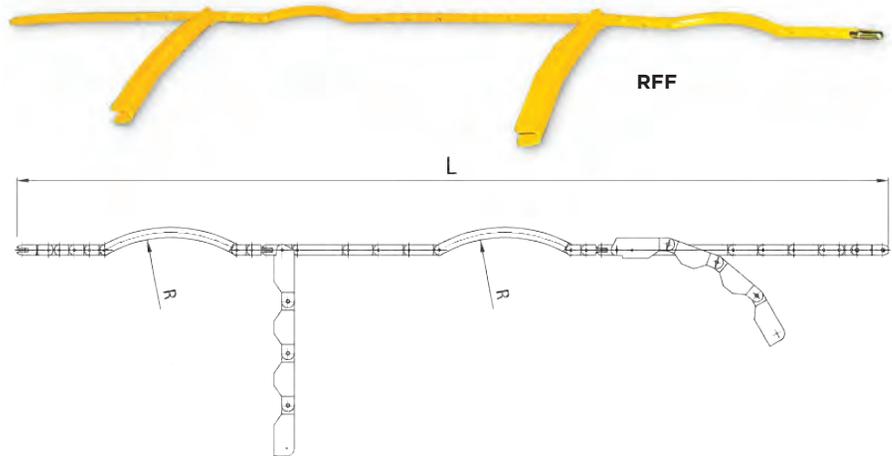
| Model Nylatron | Dimensions inches (mm) | | | | | | | | | | | Breaking load lbf (kN) | Mass lbs (kg) |
|-------------------|---|--|---|---|---|---|---|---|---|--|--|------------------------------|------------------|
| | A | B | C | D | E | F | G | H | I | L | M | | |
| 21003060 | 1 ³⁹ / ₆₄ (41) | 2 ⁵ / 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) | 2 ⁵ / 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) | 2 ⁵ / 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) | 2 ⁵ / ₃₂ (20) | 3 ⁴⁷ / ₆₄ (95) | 31 ³¹ / ₆₄ (800) | 68 ⁵⁷ / ₆₄ (1,750) | 25 ¹⁵ / ₃₂ (647) | 35 ³ / 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) | 2 ⁵ / 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

Fiber Optic Head Boards

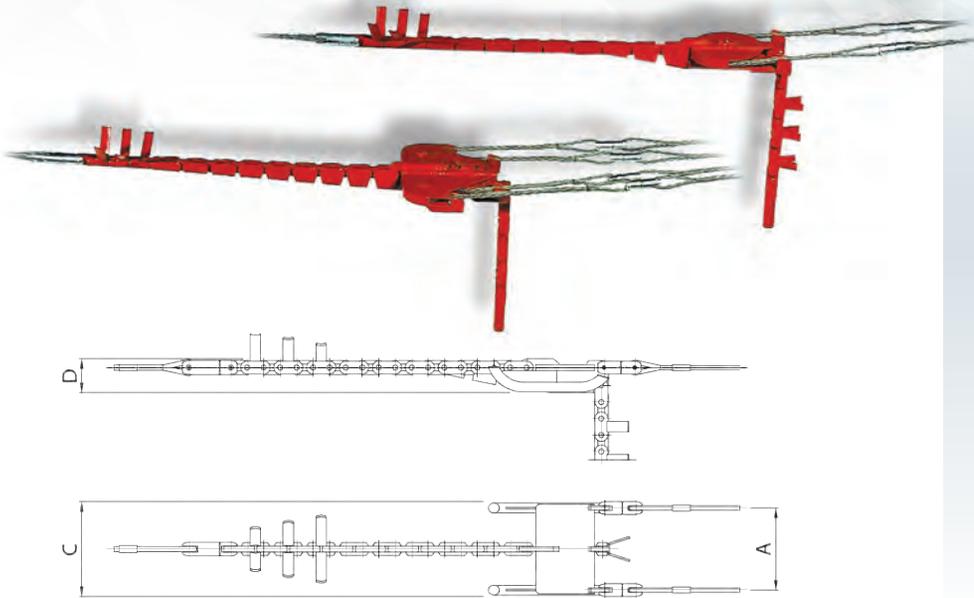
FIBER OPTIC CABLES ANTI-TWISTING DEVICES - RFF

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

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



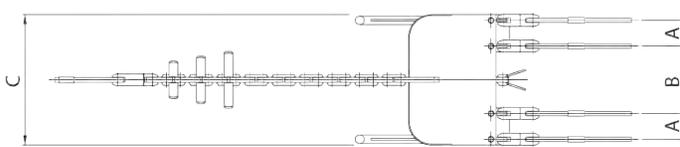
TWO AND THREE BUNDLED FIXED HEAD BOARDS - RF

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 lbf (kN) | Mass lbs (kg) | For pulleys | | Equipment Swivel joints | | Steel rope section Ø11/16 | Phase type |
|----------|------------------------|--------------|-------------|------------------------|---------------|-------------|------------|-------------------------|----------|---------------------------|-----------------|
| | A | C | D | | | Standard | Helicopter | 21000335 | 21000345 | | |
| 21000215 | 11½ (292) | 13¾ (335) | 5½ (144) | 62,947 (280) | 216 (98) | 21007205 | | 2 | 1 | No.2-11.5 ft (3.5 m) | 2 conductors |
| | | | | | | 21007200 | | | | | |
| | | | | | | 21007210 | 21003050 | | | | |
| 21000235 | 11½ (292) | 13¾ (335) | 5½ (144) | 62,947 (280) | 229 (104) | 21007220 | 21003000 | 3 | 1 | No.3-11.5 ft (3.5 m) | 3 conductors |
| | | | | | | 21007225 | | | | | |
| | | | | | | 21007235 | | | | | |
| 21000240 | 13½ (348) | 15½ (390) | 5½ (144) | 62,947 (280) | 220 (100) | 21007300 | | 2 | 1 | No.2-11.5 ft (3.5 m) | 2 conductors |
| | | | | | | 21007215 | | | | | |
| | | | | | | 21007400 | 21003300 | | | | |
| 21000245 | 13½ (348) | 15½ (390) | 5½ (144) | 62,947 (280) | 236 (107) | 21007230 | 21003100 | 3 | 1 | No.3-11.5 ft (3.5 m) | 3 conductors |
| | | | | | | 21007240 | 21003200 | | | | |
| | | | | | | 21007245 | | | | | |

Need New Part Numbers & Dimensions



FOUR AND FIVE BUNDLED FIXED HEAD BOARDS - RF

Specifically designed to connect the pulling rope, max 1¹/₈ 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.

| Model | Dimensions inches (mm) | | | | Breaking load lbf (kN) | Mass lbs (kg) | For pulleys | | Equipment Swivel joints | |
|----------|------------------------|--------------|--------------|-------------|------------------------|---------------|-------------|------------|-------------------------|----------|
| | A | B | C | D | | | Standard | Helicopter | 21000335 | 21000345 |
| 21000275 | 3½ (100) | 11½ (292) | 21½ (535) | 5½ (144) | 62,947 (280) | 276 (125) | 21007420 | 21003060 | 4 | 1 |
| | | | | | | | 21007440 | 21003064 | | |
| | | | | | | | 21007430 | 21003062 | | |
| 21000280 | 5½ (130) | 13¾ (340) | 25½ (643) | 5½ (144) | 62,947 (280) | 293 (133) | 21007450 | 21003066 | 4 | 1 |
| | | | | | | | 21007460 | 21003068 | | |
| | | | | | | | | | | |
| 21000285 | 5½ (148) | 11¾ (298) | 25½ (637) | 5½ (144) | 62,947 (280) | 291 (132) | 21007425 | - | 4 | 1 |
| | | | | | | | 21007445 | | | |
| 21000290 | 7 (178) | 14 (356) | 29¾ (755) | 5½ (144) | 62,947 (280) | 300 (136) | 21007435 | | 4 | 1 |
| | | | | | | | 21007455 | | | |
| | | | | | | | 21007465 | | | |
| 21000295 | 5½ (130) | 13¾ (340) | 25½ (650) | 6¾ (175) | 168,607 (750) | 507 (230) | 21007430 | 21003062 | 4 | 21000355 |
| | | | | | | | 21007450 | 21003066 | | |
| | | | | | | | 21007460 | 21003068 | | |

CONDUX || TESMEC

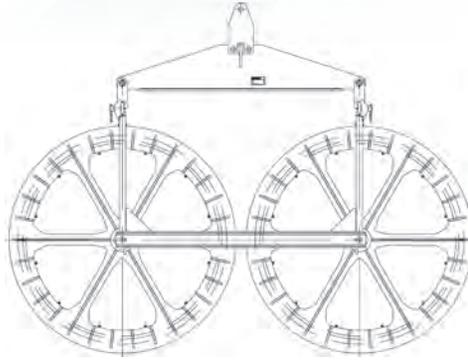
CAM Tandem Blocks

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 inches (mm) | Groove inches (mm) | Breaking load lbf (kN) | Mass lbs (kg) |
|----------|----------|------------------------|-------------------------------------|---------------------------|------------------|
| 21003910 | CAS602XX | 26 (650) | 2 ¹ / ₁₆ (68) | 40,466 (180) | 159 (72) |
| 21003912 | CAT613 | 26 (650) | 3 ³ / ₄ (95) | 40,466 (180) | 639 (290) |
| 21003914 | CAT612 | 26 (650) | 2 ¹ / ₁₆ (68) | 47,210 (210) | 595 (270) |
| 21003916 | CAS607 | 26 (650) | 3 ³ / ₄ (95) | 40,466 (180) | 192 (87) |
| 21003918 | CAS802 | 32 (800) | 2 ¹ / ₁₆ (68) | 40,466 (180) | 203 (92) |
| 21003920 | CET803 | 32 (800) | 3 ³ / ₄ (95) | 53,954 (240) | 919 (417) |
| 21003922 | CAS002 | 39 (1,000) | 3 ³ / ₄ (95) | 40,466 (180) | 298 (135) |
| 21003924 | CAS027 | 47 (1,200) | 5 ¹ / ₈ (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.



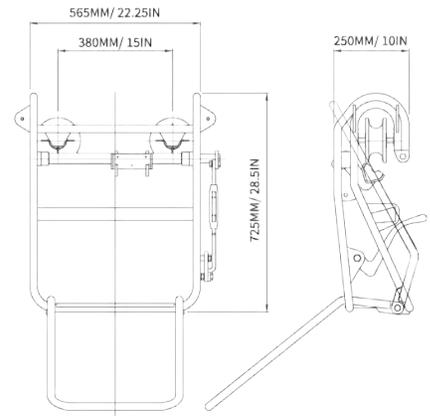
21006015

CHARACTERISTICS

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

OPTIONAL

| | |
|----------|-----------------|
| 21006016 | Footage counter |
| 21006017 | Safety belt |



21006060

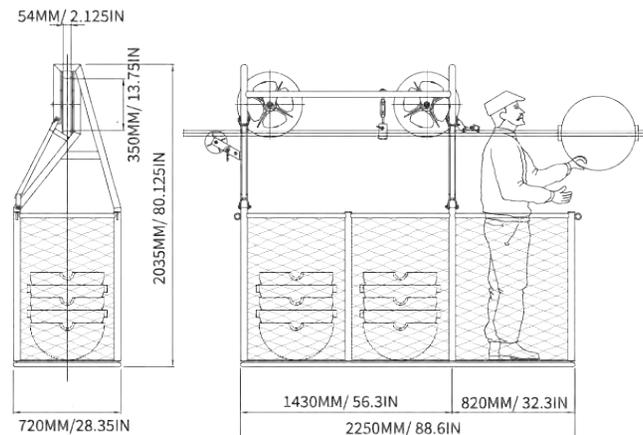
The inspection trolley is made of light aluminum alloy and allows one person to inspect single conductor lines. Unit comes complete with two aluminum neoprene lined wheels and one nylon wheel on ball bearings, meter counter and stationary brake.



21006060

CHARACTERISTICS

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



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.

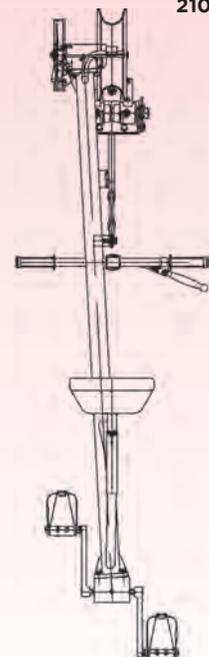
A meter counter and safety chains are also provided.

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



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 |

CR Inspection Trolleys

TROLLEYS

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

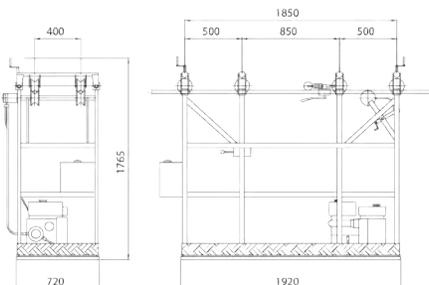
Gasoline 4 hp (3 kW)
Cooling system air
Starting system by handle

21006055-18

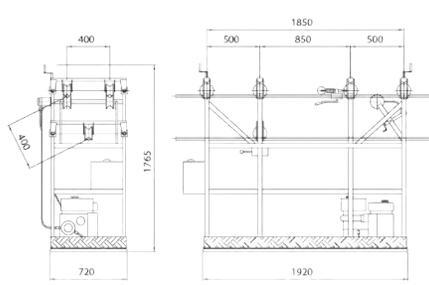
Inspection trolleys for four bundled conductors lines

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

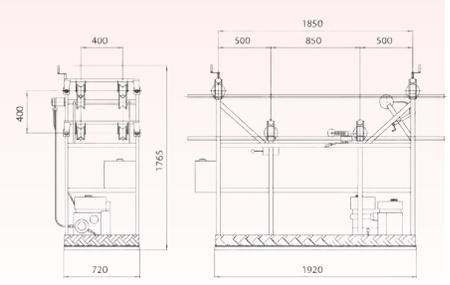
21006030-18



21006042-18



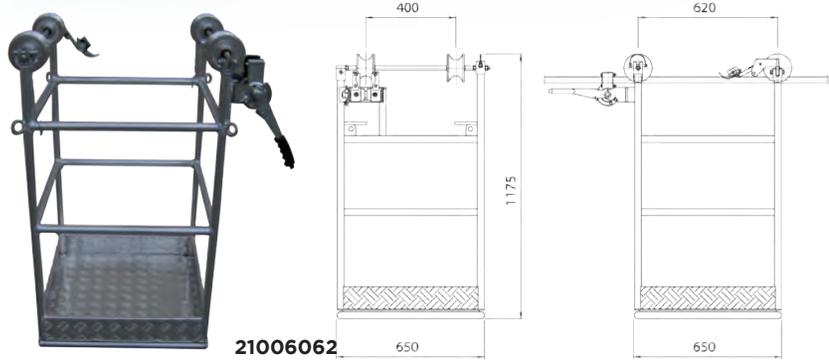
21006055-18



CRB-CRT Inspection Trolleys

21006062

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



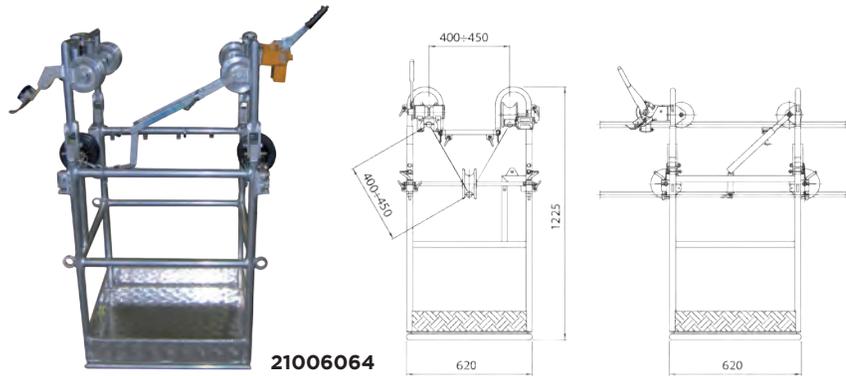
21006062

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

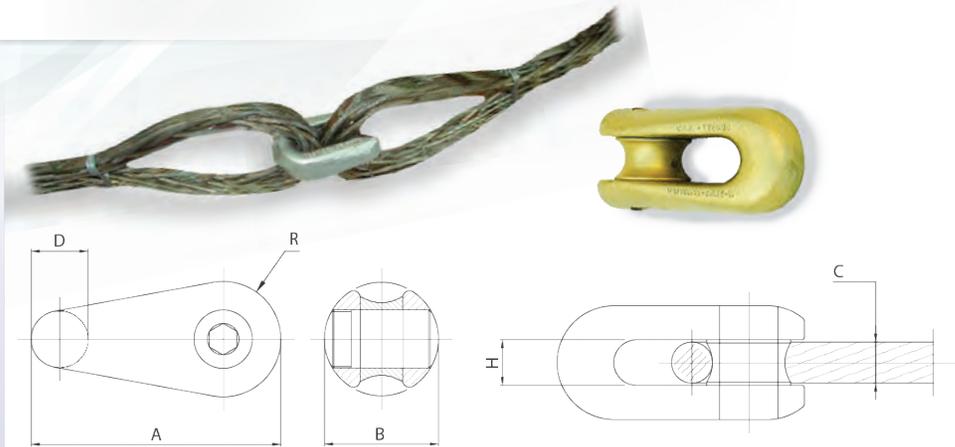
CHARACTERISTICS

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

GFT-GGT Connectors & Swivel Joints

CONNECTORS - GFT

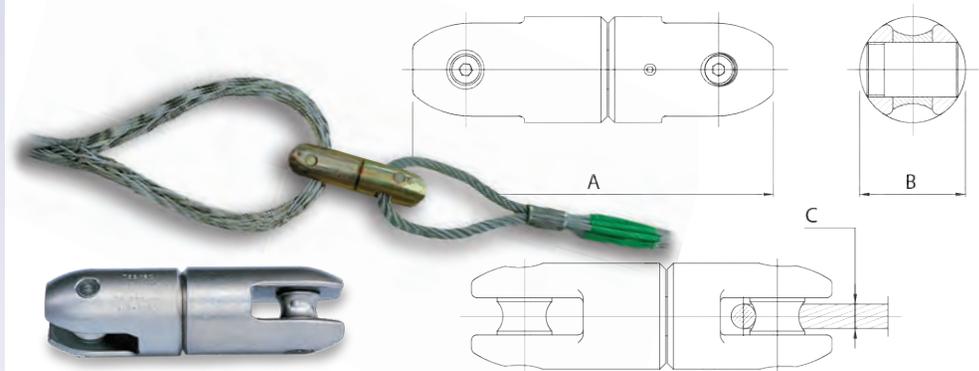
The connectors are specifically designed to connect pilot rope lengths or pulling rope lengths, and pass over the puller or puller-tensioner bull wheels. The special profile minimizes the overload on the rope-spliced eyes during this passage. The connectors are made of high-tensile galvanized steel.



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

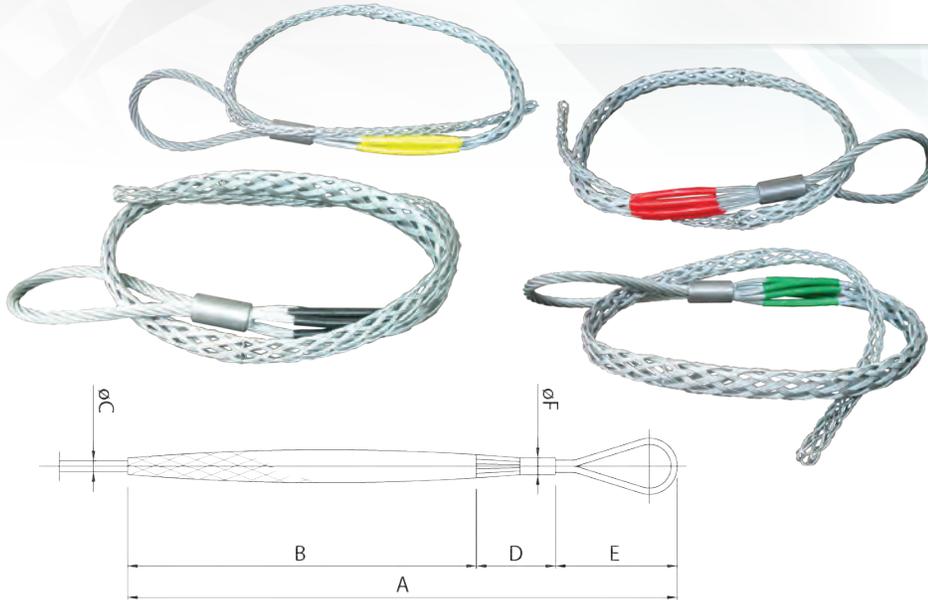
SWIVEL JOINTS - GGT

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) lbf (kN) | Working load (5:1) lbf (kN) | Breaking load lbf (kN) | Mass lbs (kg) |
|----------|---|---|--|--------------------------------|--------------------------------|---------------------------|------------------|
| | A | B | C max | | | | |
| 21000305 | 4 ³ / ₁₆ (106) | 1 ³ / ₃₂ (28) | 1 ³ / ₃₂ (10) | 5,245 (23) | 3,150 (14) | 15,700 (70) | 0.66 (0.3) |
| 21000315 | 5 ⁵ / ₈ (143) | 1 ¹ / 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) | 2 ³ / ₃₂ (18) | 16,400 (73) | 9,900 (44) | 49,500 (220) | 4.74 (2.15) |
| 21000345 | 9 ⁷ / ₃₂ (234) | 2 ³ / ₈ (60) | 1 ⁵ / ₁₆ (24) | 27,000 (120) | 16,200 (72) | 81,000 (360) | 7.50 (3.4) |
| 21000355 | 12 ¹¹ / ₁₆ (322) | 3 ¹ / ₃₂ (77) | 1 ³ / 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 ⁵ / ₈ (403) | 4 ³ / ₃₂ (104) | 1 ¹ / ₂ (38) | 74,200 (330) | 44,500 (198) | 222,600 (990) | 43.00 (19.5) |

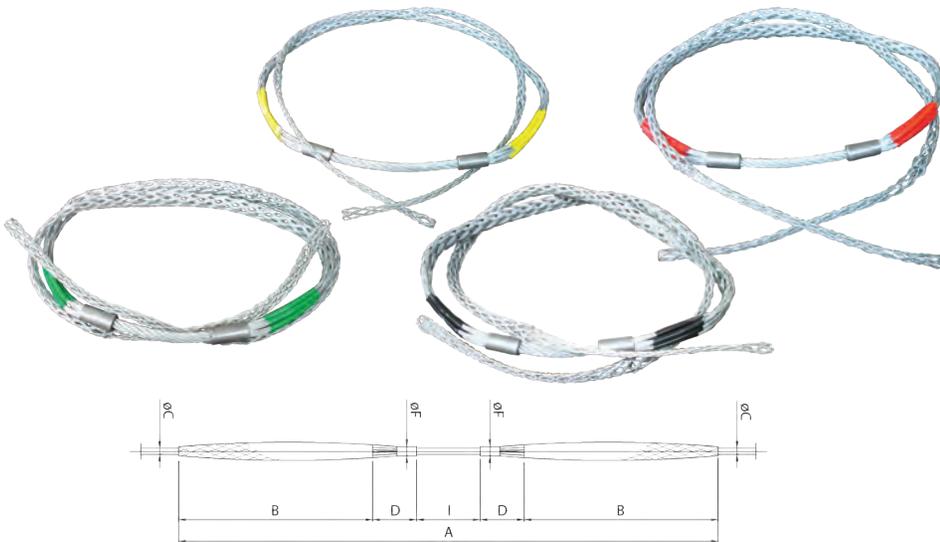
GCT High Performance Sock



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 | Suitable swivel | Ø Conductor in (mm) | Dimensions in (mm) | | | | | Identifying color | Breaking load lbf (kN) | Mass lbs (kg) |
|----------|----------------------|---------------------|--|--|--------------------------------------|---------------------------------------|--------------------------------------|-------------------|------------------------|---------------|
| | | | A | B | D | E | F | | | |
| 21000500 | 21000305 | .315-.669 (8-17) | 55 ¹ / ₈ (1,400) | 43 ³ / ₁₆ (1,100) | 5 ¹ / ₂ (140) | 6 ⁵ / ₁₆ (160) | 7 ¹ / ₈ (22) | yellow | 7,868 (35) | 1.54 (0.7) |
| 21000510 | 21000315 | .669-1.142 (17-29) | 66 ¹⁵ / ₁₆ (1,700) | 53 ¹⁷ / ₃₂ (1,360) | 6 ⁵ / ₁₆ (160) | 7 ³ / ₃₂ (180) | 1 ³ / ₃₂ (28) | red | 19,109 (85) | 2.87 (1.3) |
| 21000520 | 21000335 | 1.142-1.49 (29-38) | 74 ¹³ / ₁₆ (1,900) | 57 ⁷ / ₈ (1,470) | 7 ¹ / ₈ (200) | 9 ¹ / ₁₆ (230) | 1 ³ / ₁₆ (30) | green | 24,225 (130) | 4.63 (2.1) |
| 21000530 | 21000335 21000345 | 1.49-1.969 (38-50) | 89 ³ / ₈ (2,270) | 71 ²¹ / ₃₂ (1,820) | 7 ¹ / ₈ (200) | 9 ²⁷ / ₃₂ (250) | 1 ¹¹ / ₃₂ (34) | black | 40,466 (180) | 5.95 (2.7) |



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.

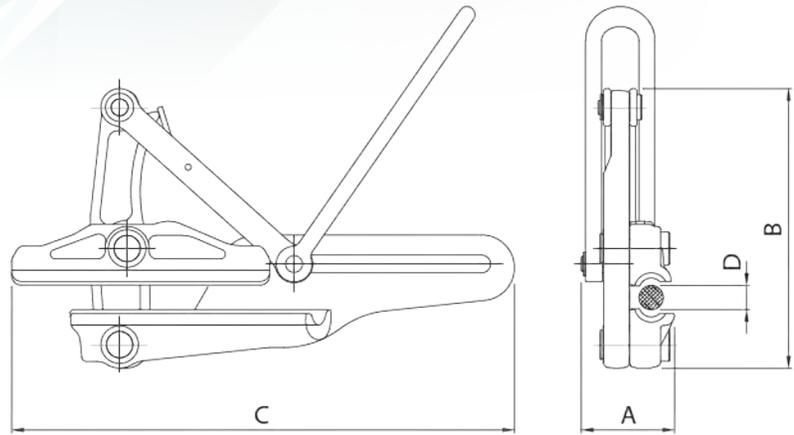
| Model | Ø Conductor in (mm) | Dimensions inches (mm) | | | | | Identifying color | Breaking load lbf (kN) | Mass lbs (kg) |
|----------|---------------------|---|--|--------------------------------------|--------------------------------------|-------------------------------------|-------------------|------------------------|---------------|
| | | A | B | D | F | I | | | |
| 21000550 | .315-.669 (8-17) | 105 ¹ / ₂ (2,680) | 43 ³ / ₁₆ (1,100) | 5 ¹ / ₂ (140) | 7 ¹ / ₈ (22) | 7 ¹ / ₈ (200) | yellow | 7,868 (35) | 2.54 (1.15) |
| 21000560 | .669-1.142 (17-29) | 127 ⁷ / ₁₆ (3,240) | 53 ¹⁷ / ₃₂ (1,360) | 6 ⁵ / ₁₆ (160) | 1 ³ / ₃₂ (28) | 7 ¹ / ₈ (200) | red | 19,109 (85) | 5.07 (2.3) |
| 21000570 | 1.142-1.490 (29-38) | 139 ³ / ₈ (3,540) | 57 ⁷ / ₈ (1,470) | 7 ¹ / ₈ (200) | 1 ³ / ₁₆ (30) | 7 ¹ / ₈ (200) | green | 29,225 (130) | 7.94 (3.6) |
| 21000580 | 1.490-1.969 (38-50) | 166 ¹⁵ / ₁₆ (4,240) | 71 ²¹ / ₃₂ (1,820) | 7 ¹ / ₈ (200) | 1 ¹¹ / ₃₂ (34) | 7 ¹ / ₈ (200) | black | 40,466 (180) | 10.58 (4.8) |

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 lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | | Diameter range inches (mm) |
|--------------|--|---|---|---------------------------------|--|---------------------|---------------|--------------------------------------|----------------------------------|
| | A | B | C | | | | Steel rope | Conductor interchangeable jaws | |
| 21004040 | 3 ⁵ / ₂ (80) | 8 ⁷ / ₂ (225) | 15 ³ / ₂ (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

MOT Aluminum Conductor Clamps and Jaws



21004070

| Model | Dimensions inches (mm) | | | Breaking load lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | |
|----------|------------------------------|---|---|---------------------------------|--|---------------------|---------------|--------------------------------------|
| | A | B | C | | | | 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 lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | |
|----------|---------------------------------------|--|---|---------------------------------|--|---------------------|---------------|--------------------------------------|
| | A | B | C | | | | Steel rope | Conductor interchangeable jaws |
| 21004060 | 3 ¹ / ₂ (80) | 8 ² / ₂ (225) | 15 ³ / ₂ (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



| Model | Dimensions inches (mm) | | | Breaking load lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | |
|----------|--|---|--|---------------------------------|--|---------------------|---------------|--------------------------------------|
| | A | B | C | | | | 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 | Use |
|-------------|--------------|---------------------|--------------------|
| | | inches (mm) | |
| 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 lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | |
|----------|--|---|---|---------------------------------|--|---------------------|---------------|--------------------------------------|
| | A | B | C | | | | 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 | Use |
|-------------|-------------|-------------------|--------------------|
| | | inches (mm) | |
| 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



| Model | Dimensions inches (mm) | | | Breaking load lbf (kN) | Max working load* lbf (kN) | Mass lbs (kg) | Use | |
|----------|---------------------------------------|--|---|---------------------------------|--|---------------------|---------------|--------------------------------------|
| | A | B | C | | | | Steel rope | Conductor interchangeable jaws |
| 21004060 | 3 ³ / ₂ (80) | 8 ² / ₂ (225) | 15 ³ / ₂ (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

CONDUX || TESMEC

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 lb (kg) | Suggested Working load lbf (kN) | Length ft (m) | Section length ft (m) | Linear mass lb/ft (kg/m) | Anti-fall device (model) (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

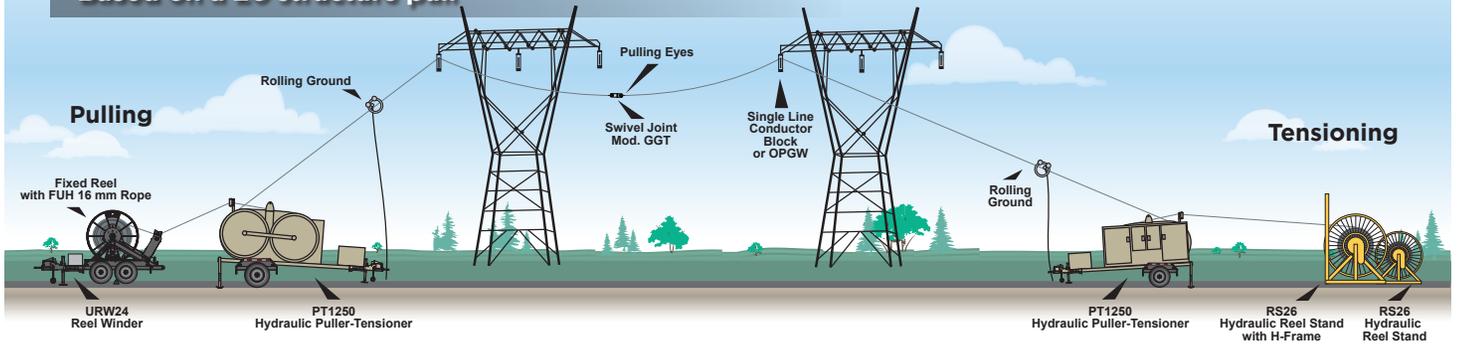


| Model | Breaking load lbf (kN) | Suggested working load lbf (kN) | Nylon rope length inches (mm) | Mass lbs (kg) |
|-----------------|---------------------------|------------------------------------|----------------------------------|------------------|
| 21009680 | 3,372 (15) | 225 (1) | 11.8 (300)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

Common Setup Configurations

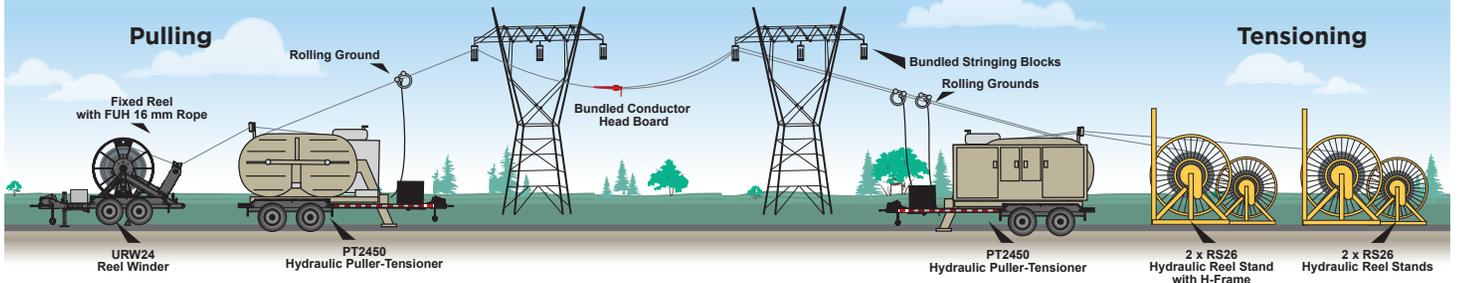
SINGLE CONDUCTOR SETUP

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



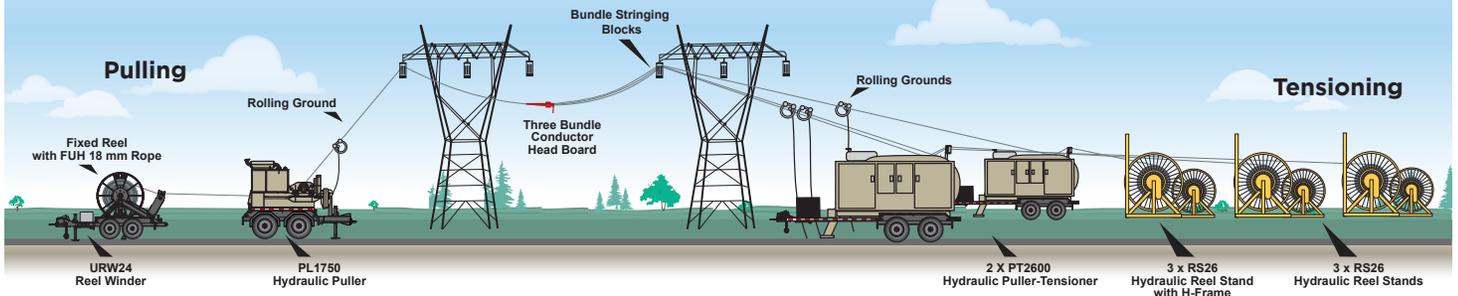
TWO CONDUCTOR SETUP

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



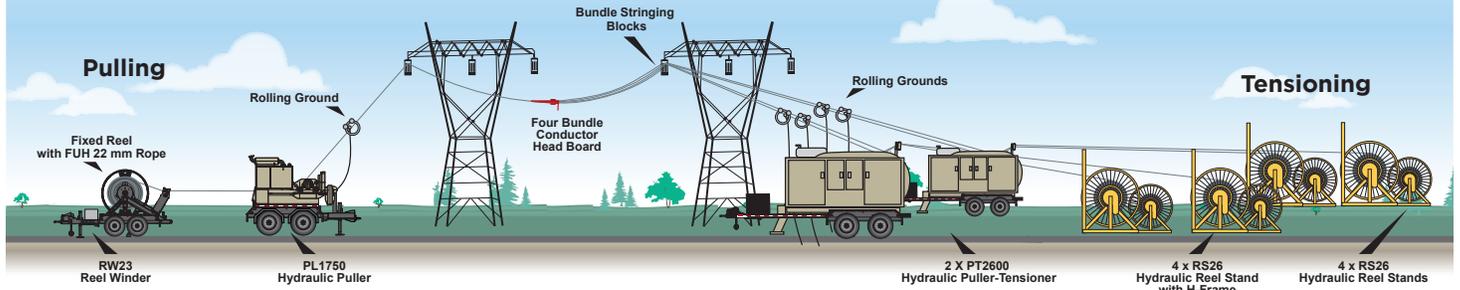
THREE CONDUCTOR SETUP

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



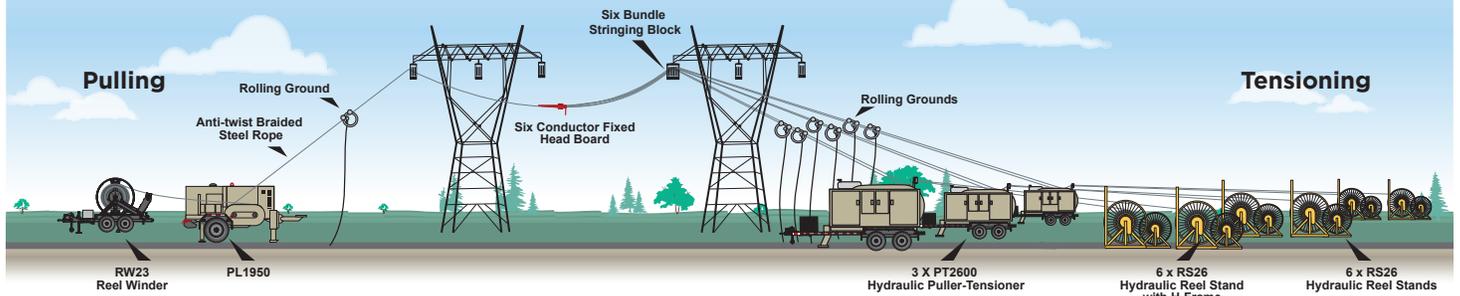
FOUR CONDUCTOR SETUP

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



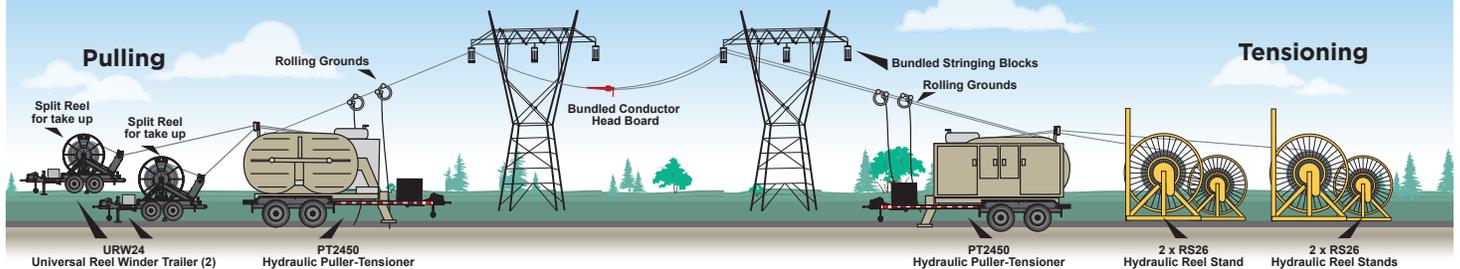
SIX CONDUCTOR SETUP

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

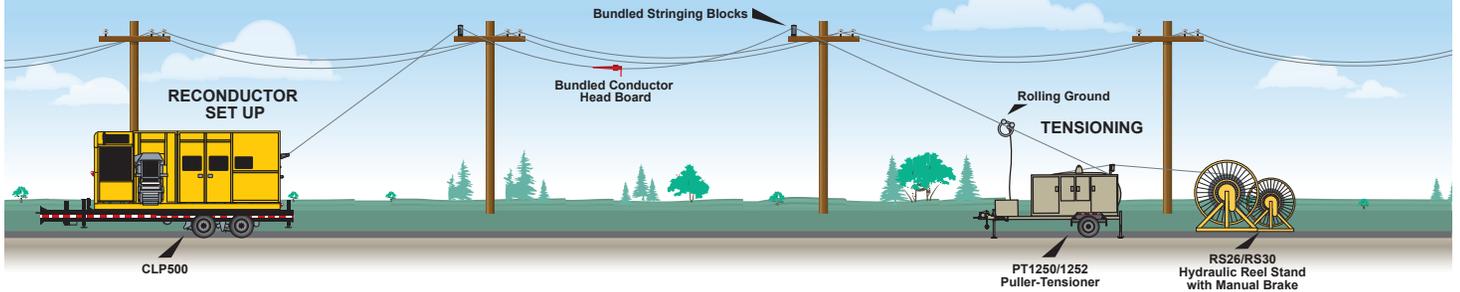


Common Setup Configurations

TYPICAL SETUP ILLUSTRATIONS

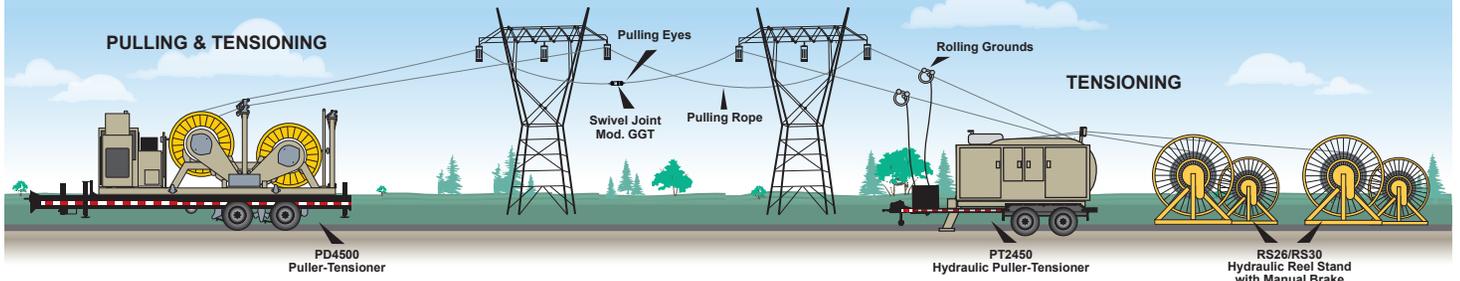
RECONDUCTING - SINGLE CONDUCTOR SET-UP

Max 10,000 lbf Pull
15kV - 230 kV



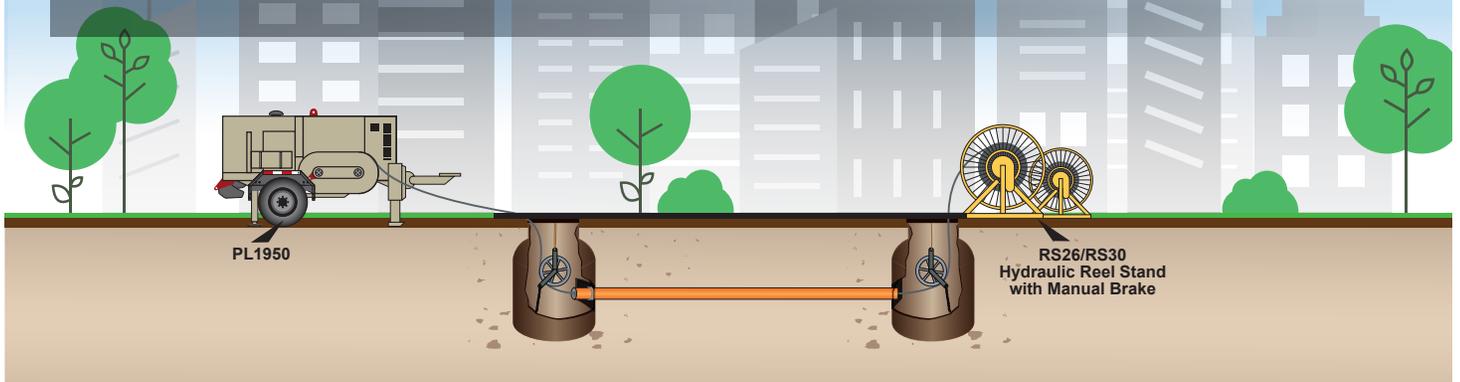
PILOT LINE SET-UP / UP TO 4 PILOT LINES

Max 5,000 lbs Pull



UNDERGROUND SET UP - SINGLE CONDUCTOR

5,000 - 63,000 lbs Pull



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 |

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 with 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.

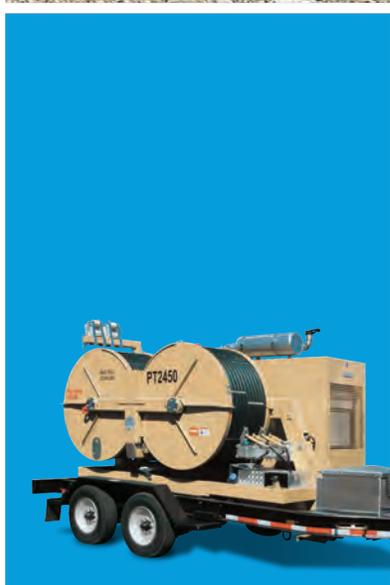
Toll Free in U.S. and Canada: 1-888-980-1209
International: 1-507-387-8069

info@conduxtesmec.com

The Most Advanced **STRINGING EQUIPMENT** and Accessories Available



AVAILABLE FROM



CONDEX TESMEC, INC.

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

1-507-387-8069

1-888-980-1209 (U.S. & Canada)

e-mail: info@conduxtesmec.com

www.ConduxTescmec.com