



***MACHINES AND TOOLS FOR
UNDERGROUND CABLE LAYING
AND PIPE REHABILITATION***

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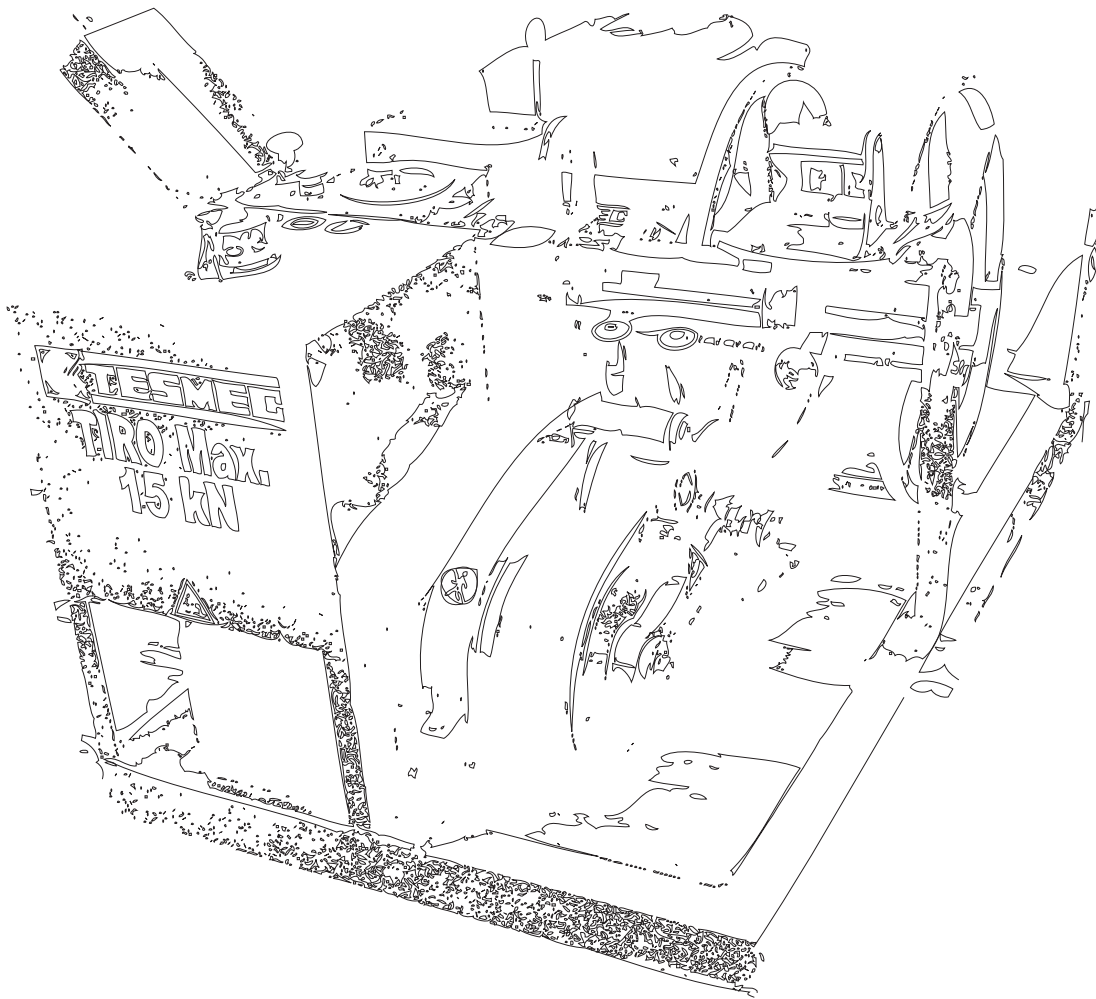
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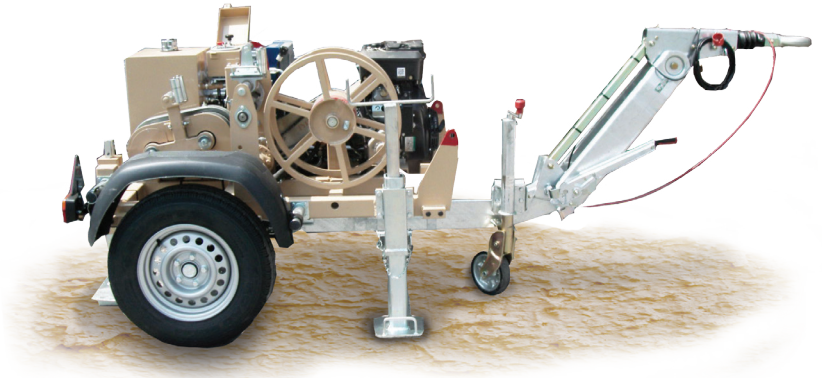
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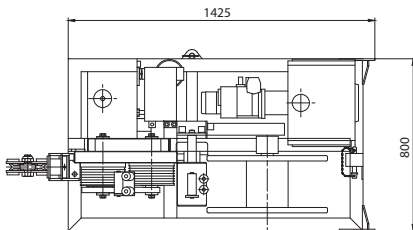
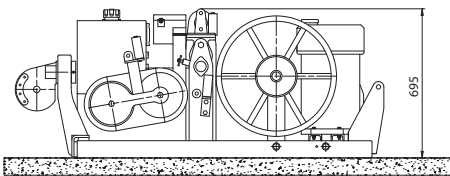
PULLERS



The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.



ARS200 with ALL112



Performance

Max pull	15 kN
Speed at max pull	0.7 km/h
Max speed	3.6 km/h
Pull at max speed	4 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	200 mm
Max rope diameter	8 mm
Mass (without rope)	500 kg

Engine

Gasoline	13 kW (18 hp)
Cooling system	air
Electrical system	12 V

Hydraulic Transmission

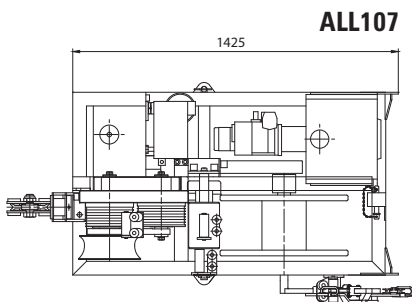
Closed hydraulic circuit for stepless speed variation in both rotating directions.

Configuration

Negative self-acting hydraulic brake
Hydraulic dynamometer with set-point and automatic control of maximum pull
On board reel winder with automatic level wind and special reel BOF370 for 500 m of Ø 8 mm rope

Available Devices

- ALL102** Pulling rope locking device when capstan is used (compulsory for EC market)
- ALL105** Rigid axle and towing bar detachable, for manual towing
- ALL107** Capstan (diameter=220 mm equipped with guide rope rollers)
- ALL111** Swivel guide rope roller
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake.
Towing shaft with inertial braking system. Hook with Ø 40 mm eye.
Lighting system included
- EC type-approved for road circulation on demand**
- ALL120** Noise reduction and protective covers



Certified Quality System
ISO 9001:2008

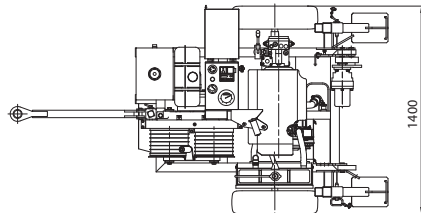
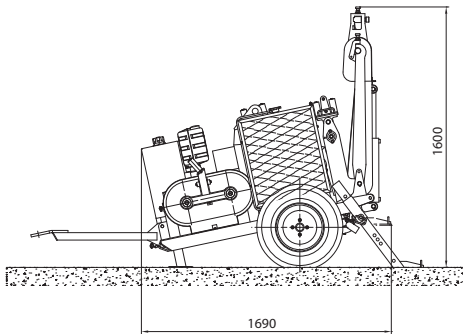
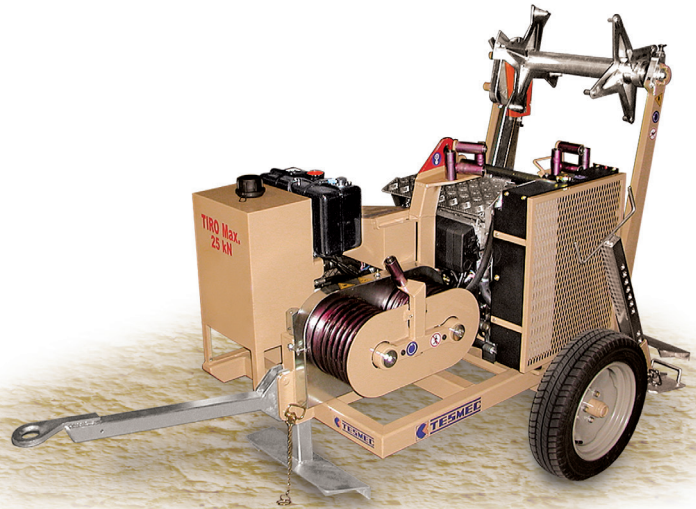
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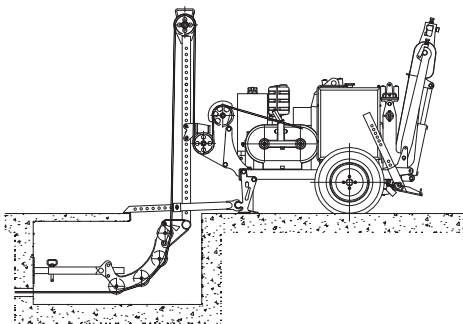
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The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.



ALL110



ALL111



DLR300



Performance

Max pull	25 kN
Speed at max pull	1.4 km/h
Max speed	3.5 km/h
Pull at max speed	10 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	250 mm
Max rope diameter	10 mm
Mass	820 kg

Engine

Diesel	25 kW (34 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

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

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h
- On board reel winder with automatic level wind, suitable for standard reel mod. BOF010 and BOF020 (AXR001 included)
- Electronic pull and speed recorder kit (instrument not included)
- Pull pre-setting system
- Mechanical front stabiliser
- Grounding connection point

Available Devices

- ALL110** Underground cable pulling attachment
- ALL111** Swivel guide rope roller
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake. Towing shaft with inertial braking system. Hook with Ø 40 mm eye. Lighting system included
- EC type-approved for road circulation**
- AXR001** Extra shaft
- DLR300** Electronic pull and speed recorder

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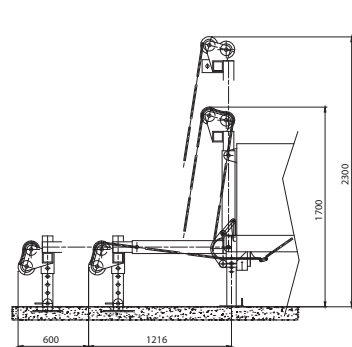
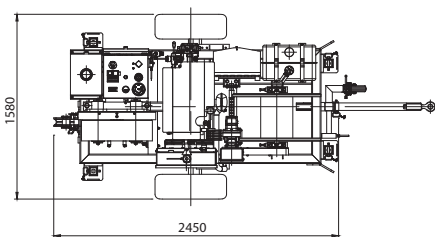
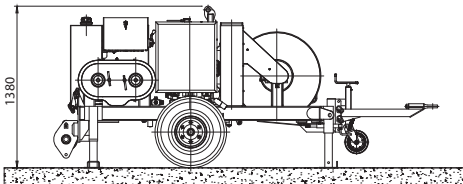
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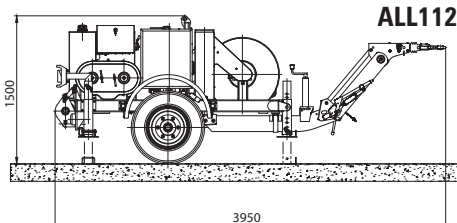
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The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.
The puller has been specifically designed for laying underground cables.



ALL110



ALL112

Performance

Max pull	32 kN
Speed at max pull	1.4 km/h
Max speed	4.5 km/h
Pull at max speed	10 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	250 mm
Max rope diameter	10 mm
Mass (without rope)	1000 kg

Engine

Diesel	25 kW (34 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

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

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h with mechanical parking brake
- On board reel winder with automatic level wind and special reel for 1000 m of Ø 10 mm rope
- Electronic pull and speed recorder kit (instrument not included)
- Pull pre-setting system
- Mechanical front stabiliser
- Grounding connection point

Available Devices

- ALL110** Underground cable pulling attachment
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake.
Towing shaft with inertial braking system. Hook with Ø 40 mm eye. Lighting system included
- EC type-approved for road circulation on demand**
- ALL120** Noise reduction and protective covers
- DLR300** Electronic pull and speed recorder

DLR300



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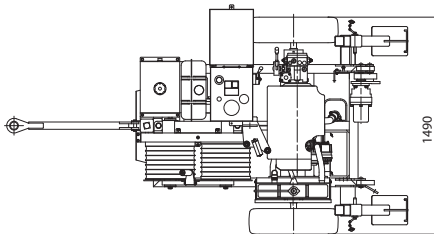
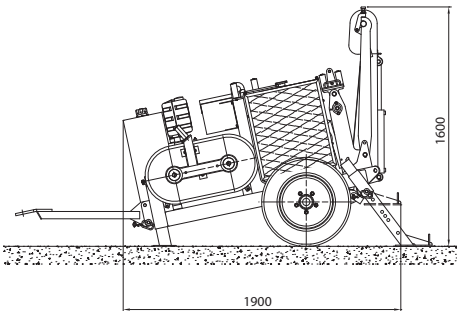
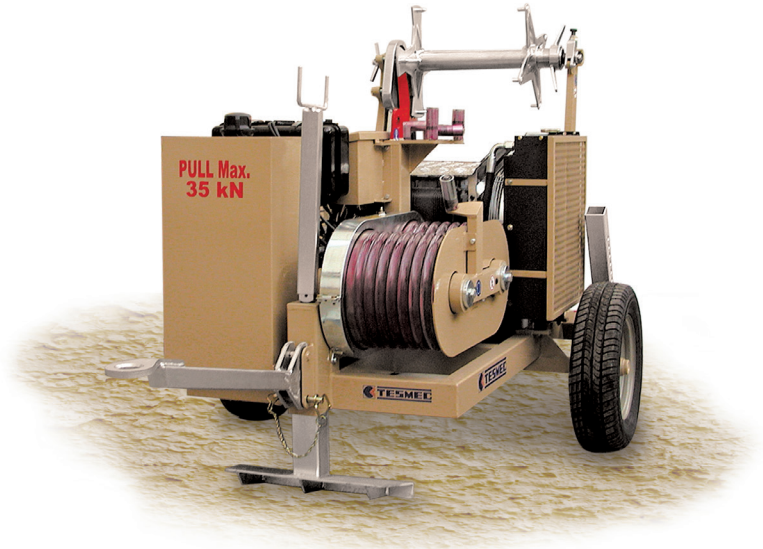
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The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.



Performance

Max pull	35 kN
Speed at max pull	1.2 km/h
Max speed	3.6 km/h
Pull at max speed	12 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	325 mm
Max rope diameter	13 mm
Mass	980 kg

Engine

Diesel	25 kW (34 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

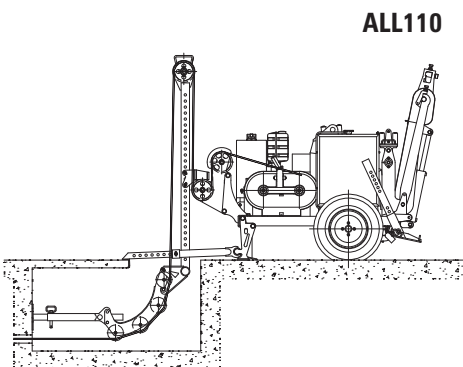
Closed hydraulic circuit for stepless speed variation in both rotating directions.

Configuration

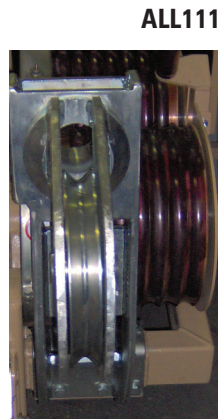
- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h
- On board reel winder with automatic level wind, suitable for standard reel mod. BOF010 and BOF020 (AXR001 included)
- Electronic pull and speed recorder kit (instrument not included)
- Pull pre-setting system
- Mechanical front stabiliser
- Grounding connection point

Available Devices

- ALL110** Underground cable pulling attachment
- ALL111** Swivel guide rope roller
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake. Towing shaft with inertial braking system. Hook with Ø 40 mm eye. Lighting system included
- EC type-approved for road circulation**
- AXR001** Extra shaft
- DLR300** Electronic pull and speed recorder



ALL110



ALL111



DLR300

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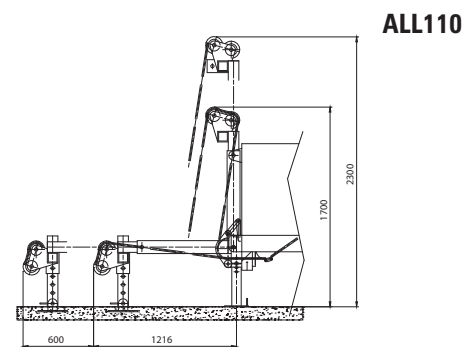
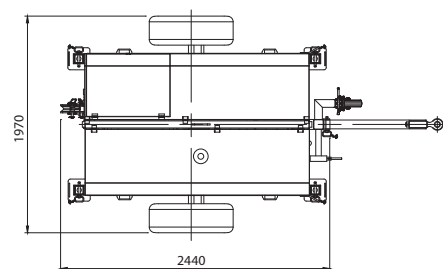
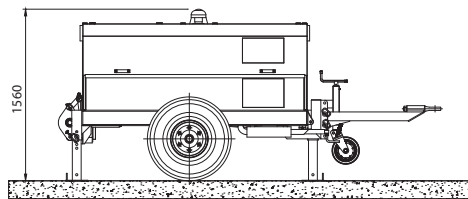
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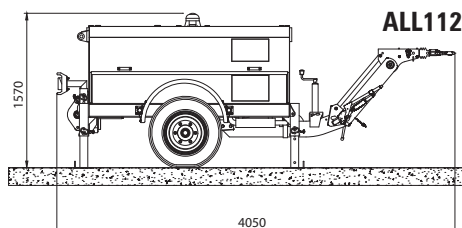
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The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.
The puller has been specifically designed for laying underground cables.



ALL110



ALL112

Certified Quality System
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Performance

Max pull	50 kN
Speed at max pull	1 km/h
Max speed	5 km/h
Pull at max speed	10 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	350 mm
Max rope diameter	14 mm
Mass (without rope)	1650 kg

Engine

Diesel	34 kW (46 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

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

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Digital meter counter
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h with mechanical parking brake
- On board reel winder with automatic level wind and special reel for 800 m of Ø 13 mm rope
- Noise reduction protection
- Electronic pull and speed recorder kit (instrument not included)
- Mechanical front stabiliser
- Grounding connection point

Available Devices

- ALL110** Underground cable pulling attachment
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake.
Towing shaft with inertial braking system. Hook with Ø 40 mm eye.
Lighting system included
- EC type-approved for road circulation on demand**
- DLR300** Electronic pull and speed recorder

DLR300



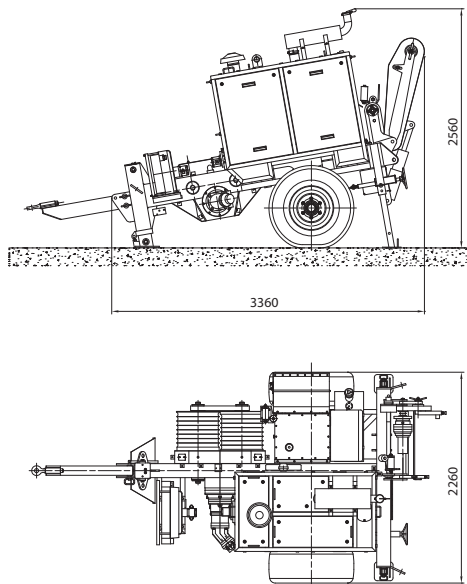
NEW

The machine is suitable to string one rope for overhead and underground cables power lines.

The bull-wheel grooves are made of heat treated steel.

The machine is completely electronically controlled.

**DUAL
MACHINE**



Performance

Max pull	100 kN
Speed at max pull	2.4 km/h
Max speed	5 km/h
Pull at max speed	44 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	450 mm
Max rope diameter	18 mm
Mass	3250 kg

Engine

Diesel	104 kW (140 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

Closed hydraulic circuit for stepless speed variation in both rotating directions. This machine is provided with a pull pre-setting system that maintains the pre-set pulling value (also when the speed is reduced to "0") by automatically adjusting the operation speed according to the friction and unexpected loads which may occur.

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Remote with control instruments for hydraulic system and diesel engine
- Rigid axle for towing at max speed of 30 km/h with mechanical parking brake
- On board reel winder with automatic level wind, suitable for standard reel mod. BOF010 and BOF020 (AXR001 included)
- Hydraulic front stabiliser
- Grounding connection point
- On board system to switch from overhead to underground cables

Available Devices

- ALL037** Preheating device for use up to -30°C
- ALL071** Hydraulic rope clamp for reel change operations
- ALL089** Electronic arrangement for connection of multiple machines and for stringing synchronization
- AXR001** Extra shaft
- DLR300** Electronic pull and speed recorder



DLR300



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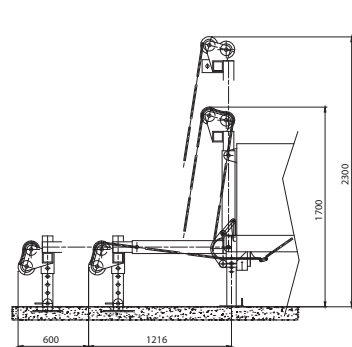
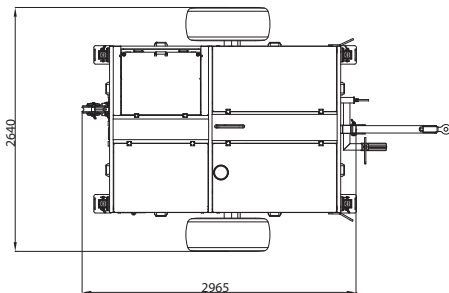
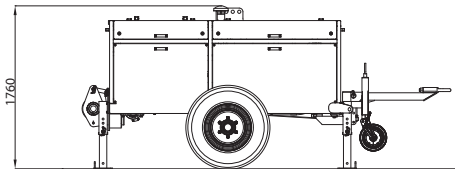
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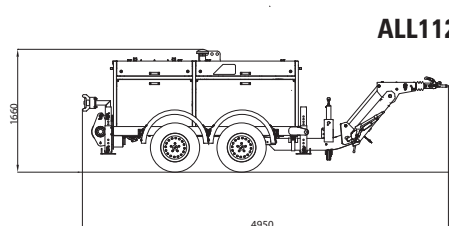
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U 56

The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.
The puller has been specifically designed for laying underground cables.
The machine is provided with twin speed device allowing to choose between two different working positions: high pull-low speed or high speed-low pull.



ALL110



ALL112

Performance

Max pull	100 kN
Speed at max pull	0.5 km/h
Max speed	4 km/h
Pull at max speed	12.5 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	400 mm
Max rope diameter	16 mm
Mass (without rope)	2500 kg

Engine

Diesel	48 kW (65 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

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

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Digital meter counter
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h with mechanical parking brake
- On board reel winder with automatic level wind and special reel for 1000 m of Ø 16 mm rope
- Noise reduction protection
- Electronic pull and speed recorder kit (instrument not included)
- Mechanical front stabiliser
- Grounding connection point
- High pull/low speed & low pull/high speed selection

Available Devices

- ALL050** Pull pre-setting system
- ALL051** Cable remote control kit (instrument not included)
- ALL059** Radio remote control kit (instrument not included)
- ALL110** Underground cable pulling attachment
- ALL112** Trailer for towing at max speed of 80 km/h with mechanical parking brake. Towing shaft with inertial braking system. Hook with Ø 40 mm eye. Lighting system included
- EC type-approved for road circulation on demand**
- ALL116** Free-wheel device (max pay-out speed 15 km/h)
- DLR300** Electronic pull and speed recorder

DLR300



Certified Quality System
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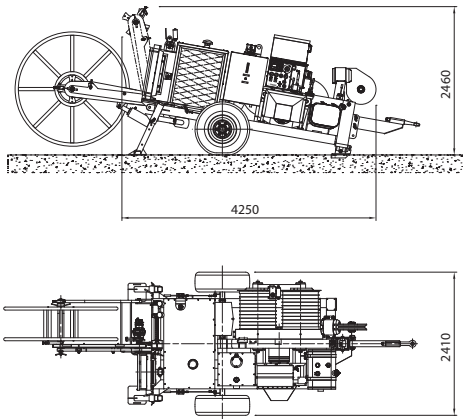
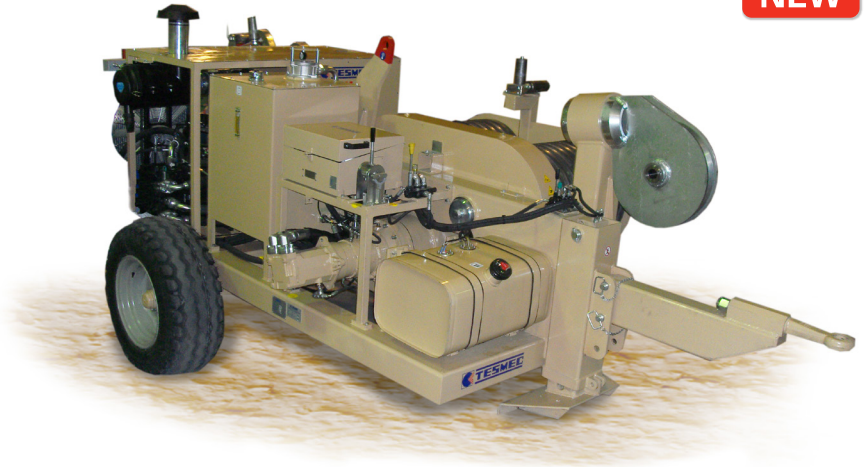
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NEW

The machine is suitable to string one rope.
The bull-wheel grooves are made of heat treated steel.



Performance

Max pull	150 kN
Speed at max pull	0.9 km/h
Max speed	2 km/h
Pull at max speed	90 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	600 mm
Max rope diameter	24 mm
Mass	4800 kg

Engine

Diesel	63 kW (85 hp)
Cooling system	water
Electrical system	12 V

Hydraulic Transmission

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

Configuration

- Negative self-acting hydraulic brake
- Hydraulic dynamometer with set-point and automatic control of maximum pull
- Hydraulic oil cooling system
- Control instruments for hydraulic system and Diesel engine
- Rigid axle for towing at max speed of 30 km/h
- On board reel winder with automatic level wind, suitable for standard reel mod. BOF020 BOF030
- Electronic pull and speed recorder kit (instrument not included)
- Pull pre-setting system
- Hydraulic front stabiliser
- Swivel guide rope roller
- Grounding connection point

Available Devices

- ALL037** Preheating device for use up to -30°C
- ALL071** Hydraulic rope clamp for reel change operations
- AXR001** Extra shaft
- DLR300** Electronic pull and speed recorder

DLR300



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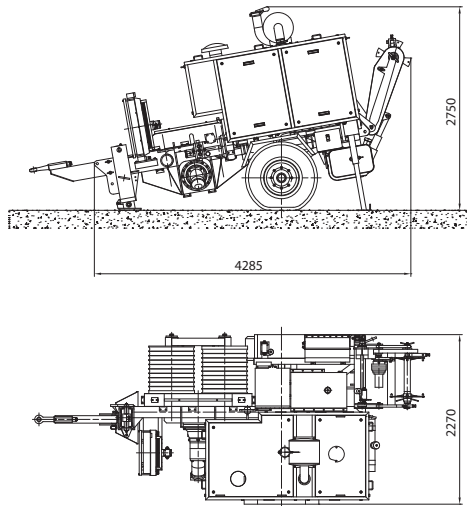
NEW

The machine is suitable to string one rope for overhead and underground power lines. The bull-wheel grooves are made of heat treated steel. The machine is completely electronically controlled.

**DUAL
MACHINE**



ARS709 with ALL071



Performance

Max pull	200 kN
Speed at max pull	2.3 km/h
Max speed	4.5 km/h
Pull at max speed	102 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	600 mm
Max rope diameter	24 mm
Mass	6000 kg

Engine

Diesel	209 kW (280 hp)
Cooling system	water
Electrical system	24 V

Hydraulic Transmission

Closed hydraulic circuit for stepless speed variation in both rotating directions. This machine is provided with a pull pre-setting system that maintains the pre-set pulling value (also when the speed is reduced to "0") by automatically adjusting the operation speed according to the friction and unexpected loads which may occur.

Configuration

Negative self-acting hydraulic brake
Hydraulic dynamometer with set-point and automatic control of maximum pull
Hydraulic oil cooling system
Remote with control instruments for hydraulic system and diesel engine
Lateral protections for bull-wheels
Rigid axle for towing at max speed of 30 km/h with mechanical parking brake
On board reel winder with automatic level wind, suitable for standard reel mod. BOF010 and BOF020 (AXR001 included)
Hydraulic front stabiliser
Grounding connection point
On board system to switch from overhead to underground cables

Available Devices

- ALL001** Lighting system for the trailer
- ALL002** Air brake system for the trailer
- ALL010** Hydraulic power pack to control a separate reel winder
- ALL022** Hydraulic quick connectors to control a separate reel winder instead of the built-in one
- ALL037** Preheating device for use up to -30°C
- ALL070** Extra rollers for an additional pilot rope
- ALL071** Hydraulic rope clamp for reel change operations
- ALL089** Electronic arrangement for connection of multiple machines and for stringing synchronization
- AXR001** Extra shaft
- DLR300** Electronic pull and speed recorder



DLR300



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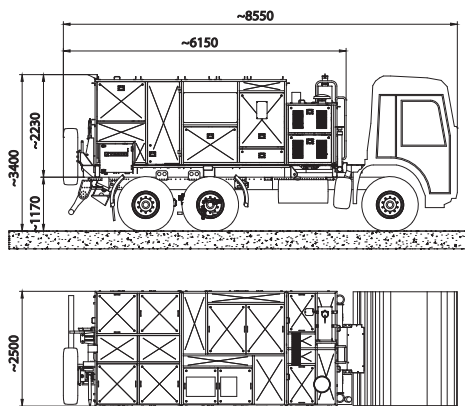
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NEW

The machine is suitable to pull one rope.
The bull-wheel grooves are made of heat treated steel.
The puller has been specifically designed for laying underground cables and pipes.



On board camera system to operate the machine from the cabin.

Performance

Max pull	200 kN
Speed at max pull	2 km/h
Max speed	4.5 km/h
Pull at max speed	90 kN

Note: the basic machine performance is calculated at 20°C and at sea level

Characteristics

Bull-wheel diameter	600 mm
Max rope diameter	25 mm
Upper structure weight (without rope)	10500 kg

Engine

Diesel	209 kW (280 hp)
Cooling system	water
Electrical system	24 V

Hydraulic Transmission

Closed hydraulic circuit for stepless speed variation in both rotating directions. This machine is provided with a pull presetting systems that maintains the pre-set pulling value (also when the speed is reduced to "0") by automatically adjusting the operation speed according to the friction and unexpected loads which may develop along the line.

Configuration

Negative self-acting hydraulic brake with unlocking device to release the rope in case of emergency
Hydraulic oil cooling system
Remote with control instruments for hydraulic system and diesel engine
On board reel winder with automatic level wind and special reel for 1000 m of Ø 25 mm rope
Noise reduction protection
Electronic pull and speed recorder kit (instrument not included)
Hydraulic front stabiliser
Extendible hydraulic rear stabilisers
Grounding connection point

Available Devices

- ALL037** Preheating device for use up to -30°C
- DLR300** Electronic pull and speed recorder

DLR300



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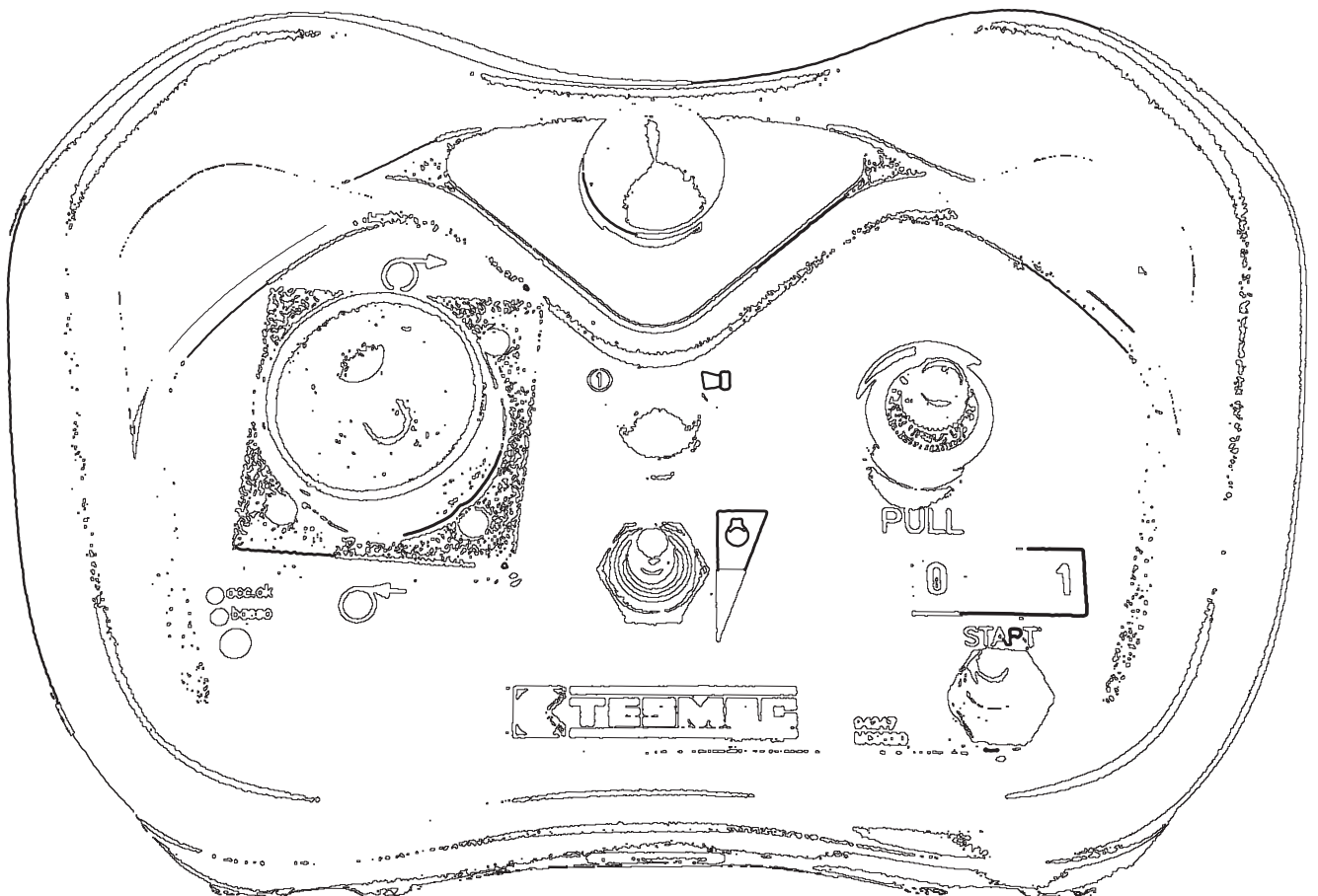
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AVAILABLE DEVICES



CABLE REMOTE CONTROL - AXC005

The cable remote control Mod. AXC005 allows to operate same controls of the machine in a different position compared to the control panel. In particular it is complete with the following devices:

- setting of the pull/tensioning value
- control of direction and speed rotation of the bull wheels
- control of Diesel engine rpm
- stop all the functions of the machine



Technical Characteristics

These devices have the capacity to operate until a maximum distance of 10 meters. Anti-shock material box having IP54 grade.

Dimensions

610 x 150 x 265 mm

Mass

4.5 kg

Applicability

The cable remote control AXC005 can only equip ARS607.

RADIO REMOTE CONTROL - AXH007

The radio remote control Mod. AXH007 allows to operate same controls of the machine in a different position compared to the control panel. In particular it is complete with the following devices:

- setting of the pull/tensioning value
- control of direction and speed rotation of the bull wheels
- control of Diesel engine rpm
- stop all the functions of the machine



Technical Characteristics

These devices have the capacity to operate until a maximum distance of 150 meters. Anti-shock material box having IP65 grade.

Dimensions

235 x 150 x 160 mm

Mass

1.2 kg

Applicability

The radio remote control AXH007 can only equip ARS607.

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Electronic device that allows the monitoring of stringing operations by recording the following data:

- applied pull, with the exceeding control of a limit value
- stringing speed
- stringing length



The unit can also give the following information for any single record:

- date and hour of monitoring start
- value for the limiting control value
- sampling distance time
- date and hour of monitoring end

In addition there is a printer with real time function; it is also possible to print a graph of the record.

It is possible to connect the unit to the PC for downloading the data or to download data on external Pen drive by using USB port on the unit.

The recorder is equipped with a rigid box for transport, connecting cables, software disk for PC connection and protecting case in PVC, electrical power adapter and adapter plugs for the connection to the machine.

Technical Characteristics

Voltage	10 ÷ 28 V
Display	2 rows with 16 digits

Applicability

The unit can be connected to all Tesmec machines equipped with additional device ALLO53.

Dimensions

345 x 200 x 65 mm

Mass

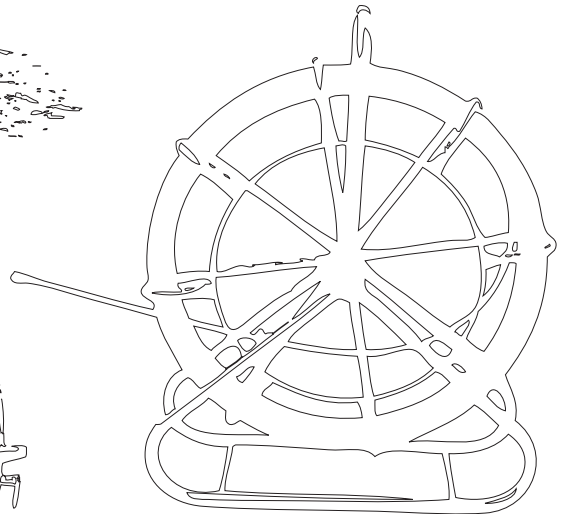
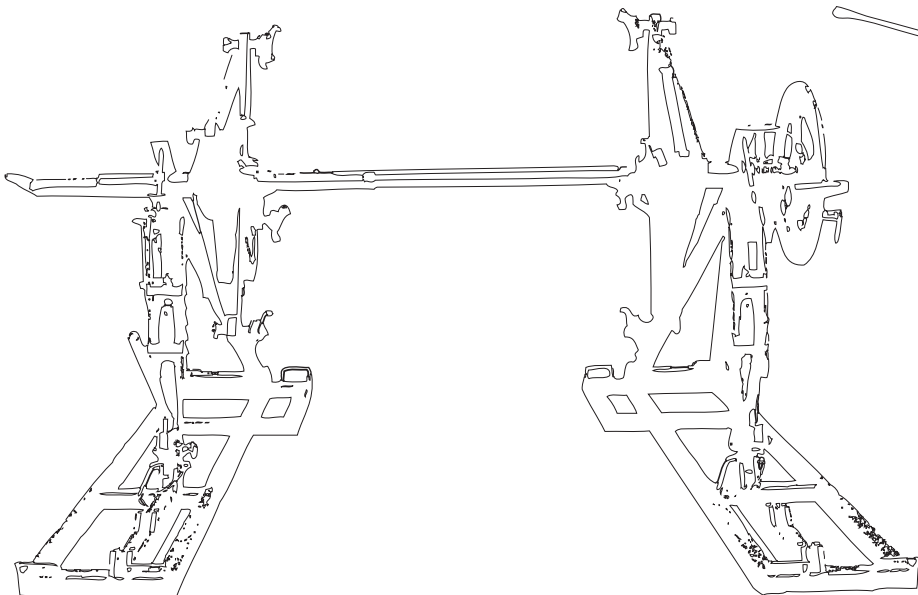
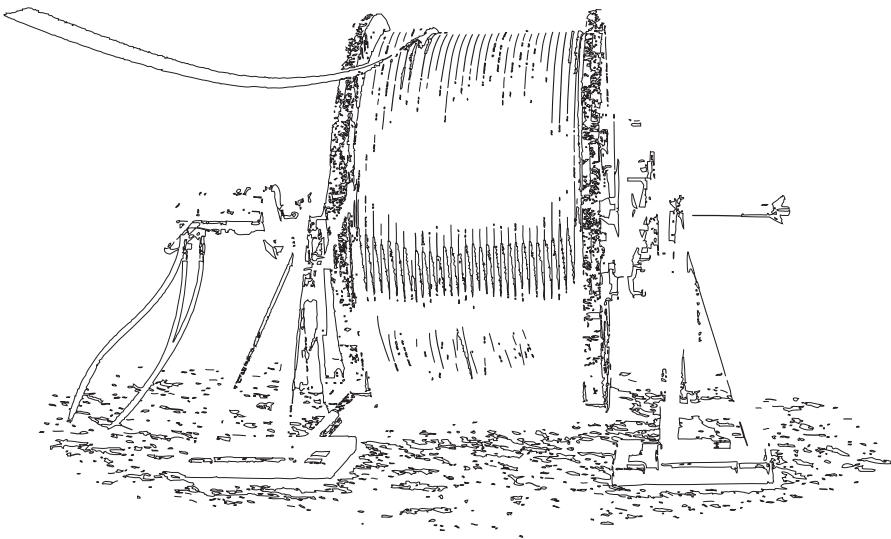
1.5 kg

Available Devices

DLK301 Stand support



EQUIPMENT



NEW

The reel carrier is made of welded steel with protective coating.

Two hydraulic jacks powered by a manual pump are used to lift the reel.

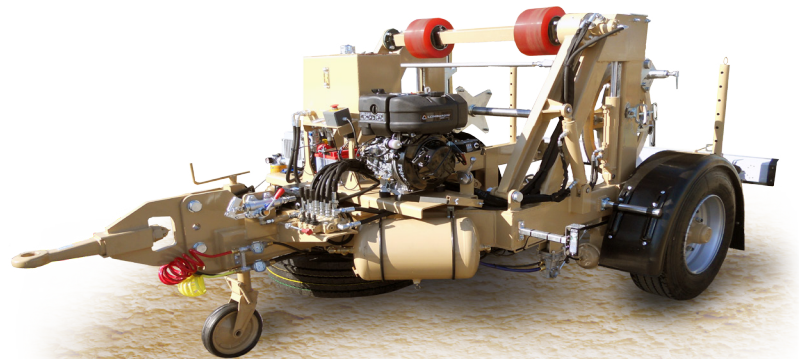
One disc brakes acting on the reel shaft is designed to control the unwinding tension.

Special models with different characteristics can be designed on demand.

Configuration

- Manual front plough stabiliser
- Lighting system
- Air brake system
- Amortized semi-axles with mechanical parking brake
- 10, 15, 20, 40 and 60 tons reel trailers available
- EC type-approved for road circulation on demand

CVT234

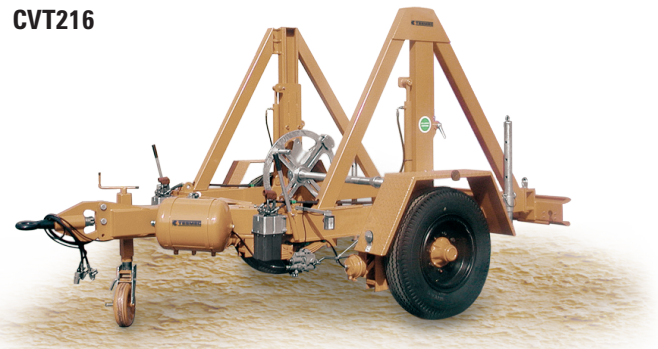


MOTORIZED MODELS EQUIPPED WITH HYDRAULIC WINDING SYSTEM

Model	Max Capacity [kN]	Engine [kW]	Reel Dimensions			Max Towing Speed [km/h]	Overall Dimensions			Mass [kg]
			Max Ø [mm]	Min Ø [mm]	Width [mm]		Length [mm]	Width [mm]	Height [mm]	
CVT234*	30	8	3000	1400	1300	90	4300	2200	2000	4500
CVT616	70	6	2400	1200	1200	30	4800	2550	2250	1800

*EC type-approved for road circulation

CVT216



STANDARD MODELS

Model	Max Capacity [kN]	Reel Dimensions			Max Towing Speed [km/h]	Overall Dimensions			Mass [kg]
		Max Ø [mm]	Min Ø [mm]	Width [mm]		Length [mm]	Width [mm]	Height [mm]	
CVT216	30	2200	1200	1300	80	4200	2500	2300	1200
CVT415*	43	3000	1400	1500	90	4950	2500	2150	6000
CVT601	70	3000	1600	1370	20	4900	2500	2200	1200
CVT808	80	3000	1200	1500	20	4500	2500	2300	1800

*EC type-approved for road circulation

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U 85

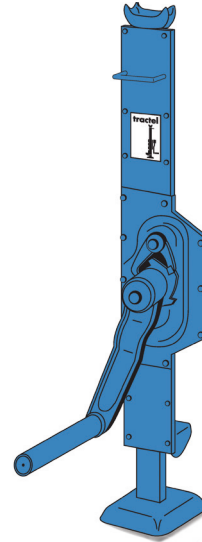
The pinion and the crow gear are made by high quality forged steel.

The lifting system is made by a ratchet wheel with a double retaining catch.

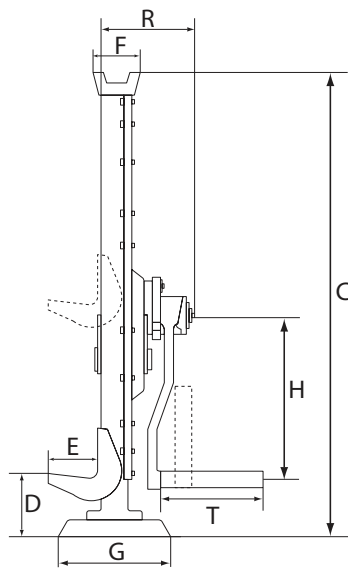
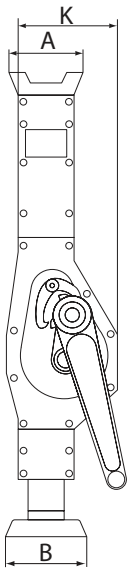
The load can be applied on both end.

Racks are totally maintenance free.

**Note: the item is equipped with 1 mechanical lifting jack.
2 CVM are required for reel lifting.**



Model	Capacity [kN]	Standard Lifting (H) [mm]	Effort on handle [Kg]	Height closed rack [mm]	Min. lifting height [mm]	Lifting toe length [mm]	Crank handle length [mm]	Mass [kg]
CVM212	30	355	35	735	70	61	250	20
CVM410	50	345	40	735	80	71	250	28



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U 86

Mechanical drum trestles with adjustable position.

Each jacks lift by a screw operated by a crank handle.

Wide base support assures the reel stability. The length of screw is suitable to different reel dimensions.

Made of highly galvanized steel to lift reels of diameter between 400 and 3000 mm.

Note: the item is equipped with 2 mechanical drum trestles.



Model	Capacity [Kg]	Reel diameter [mm]	Height [mm]	Mass [Kg]
CVM007	1500	400 - 1800	74	30
CVM205	3000	700 - 2600	100	64
CVM407	5000	930 - 3000	130	70
CVM802	10000	1160 - 3000	130	88
CVM805	10000	1650 - 2300	390	92

ACCESSORIES

Alloy tubular shaft with bearings



Model	Length [mm]	Ø [mm]	Capacity [Kg]	Mass [Kg]
CDS031	1800	90	10000	22.2
CDS032	2050	90	10000	25.3
CDS027	1500	75	5000	14.6
CDS028	1800	75	5000	18.5
CDS029	2050	75	5000	19.6

Galvanised collar

Model	Axle Ø [mm]	Mass [Kg]
CD0040	60	1.2
CD0041	75	1.5
CD0042	90	1.7



Galvanised steel tubular shaft with ball-bearing



Model	Length [mm]	Ø [mm]	Capacity [Kg]	Mass [Kg]
CDS038	1800	90	10000	22.2
CDS039	2050	90	10000	25.3
CDS033	1500	60	3000	18
CDS034	1500	75	5000	14.6
CDS035	1800	75	5000	18.5
CDS036	2050	75	5000	19.6

Couple of galvanised fixing cones

Model	Ø [mm]	Axle Ø [mm]	Mass [Kg]
CD0044	85 - 130	75	7
CD0045	110 - 150	90	8.5
CD0043	65 - 115	60	3



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Hydraulic lifting jacks made of welded galvanized steel.

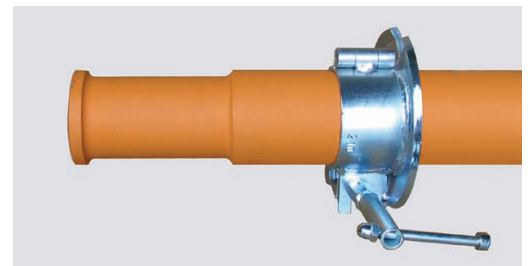
It can be adjusted to lift different diameter drums.

Hydraulic jacks includes high capacity rotating shaft assembled on bearing wheels.

Note: the item is equipped with 2 lifting jacks, 1 shaft and 2 closing clamps.



Model	Capacity [kN]	Drum Diameter		Dimensions (each jack) b x l x h [mm]	Stroke [mm]	Shaft diameter [mm]	Mass [Kg]
		Min [mm]	Max [mm]				
CVB823	400	3400	4600	1500 x 500 x 1700	150	95	500



Tubular steel drum shaft

AVAILABLE DEVICES

Model	Description	Capacity	Reel width
		[kN]	[mm]
CDB1xx	Support shaft	124	2100
	Diameter 108 x 25 mm	166	2300
	Different shafts are available on request	249	2500

Model	Description
CDB2xx	Wedges or centering bush for shaft suitable for wide range of drum shaft diameter

Model	Description
CDB3xx	Closing system to adapt different shafts to hydraulic jacks

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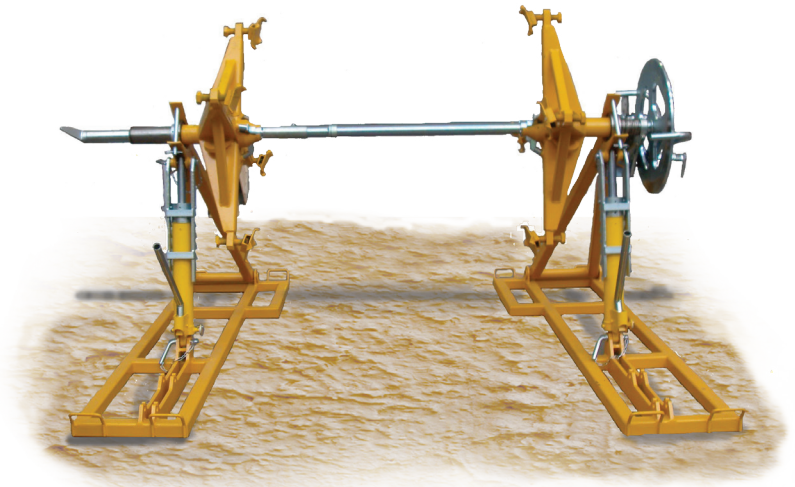
Tesmec drum elevators are made of welded steel with a protective coating; the frames are detachable to reduce dimensions during transport.

The lifting operation is made by means of hydraulic cylinders.

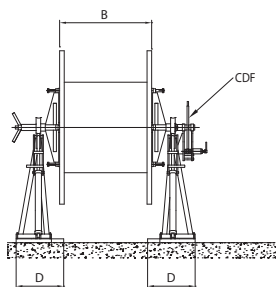
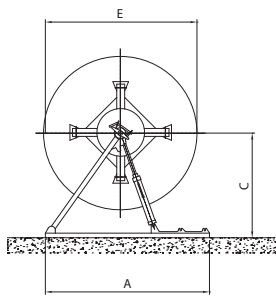
The drum elevators must be completed with the optional CDR or CDT.

The drum elevator Mod. CVI816 includes the main frame with a mechanical disk braking system and it is already equipped with support with self locking fixing wedges for wooden conductor reels.

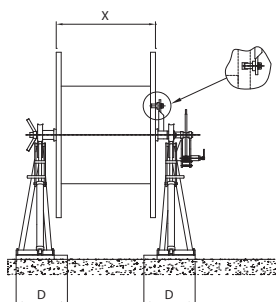
The picture shows the CVI with the CDR.



Model	Dimensions [mm]								Shaft Ø [mm]	Capacity [kN]	Mass [kg]
	A	Bmin	Bmax	Cmin	Cmax	D	Emin	Emax			
CVI600	2140	500	1500	580	1340	640	1200	2500	40	70	430
CVI810	2500	800	1850	720	1725	740	1500	3200	40	100	550
CVI816	2800	1500	2600	960	1770	900	2000	3400	70	160	1340



CVI + CDR



CVI + CDT (*)

Braking System

Model

CVI600	one manual disk brake (max torque 1 kN x m)
CVI810	one manual disk brake (max torque 2.3 kN x m)
CVI816	two manual disk brakes (max torque 6 kN x m)

Available Devices

Model	Support with self-locking fixing wedges for wooden conductor drums	Special driver with fixed wedges for steel conductor reels (*)
CVI600	CDR002	CDTxxx
CVI810	CDR057	CDTxxx
CVI816	included	CDTxxx

(*) reel drawing is required

Fast assembling hydraulic motor for control of the drum winding and unwinding (TIHXXX)

Model	Max torque [kNxm]	Max rotating speed [RPM]	Mass [kg]
CVI600	TIH001 1.8	45	76
	TIH006 2.3	32	78
CVI810	TIH007 2.3	37	78
CVI816	TIH010 5	30	120

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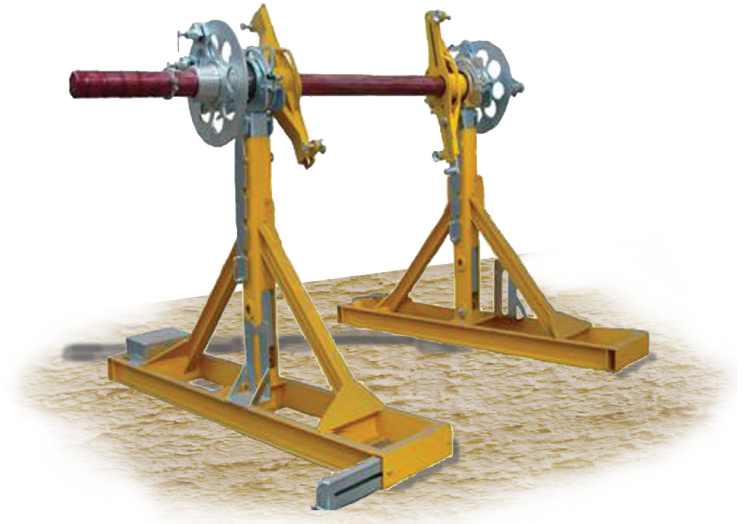
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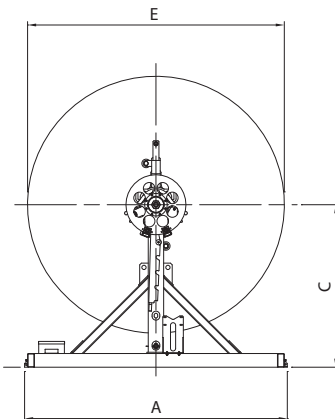
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This drum elevator is made of welded steel with a protective coating; the frame is partially detachable to reduce dimensions during transport.
The drum elevator includes the main frame with supports for wooden or for steel made reels (to be specified in the order) and 2 mechanical disks braking system.

Note: in case of steel made reels, the drawing is required.



Model	Dimensions [mm]						Shaft Ø [mm]	Capacity [kN]	Mass [kg]		
	A	Bmin	Bmax	Cmin	Cmax	D					
CVI830	3000	1600	2800	1800	2150	600	3700	4450	140	300	1600



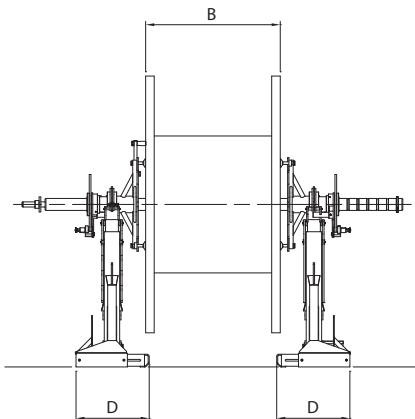
Configuration

Two manual disk brakes (max torque 3.5 kN x m)
Support for wooden or steel made reels

Note: The drum elevator (Model CVI831) is also available with the hydraulic motor model TIH013.
Mechanical disks brake not included.

NEW

Model	Max Torque [kNxm]	Max rotating speed [RPM]	Mass [kg]
TIH013 (for CVI831)	2.4	35	500



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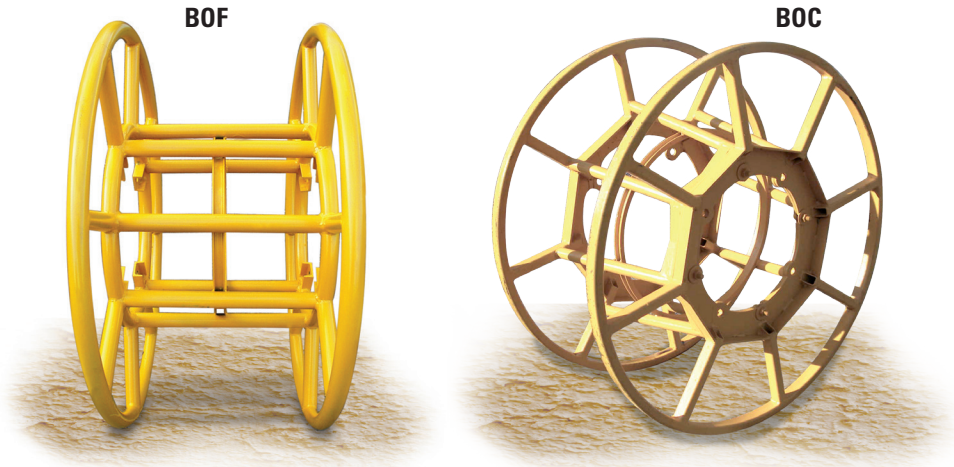
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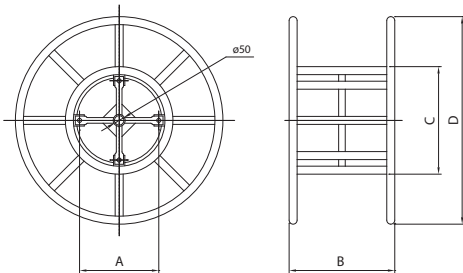
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U 100

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



Standard Reels - BOF

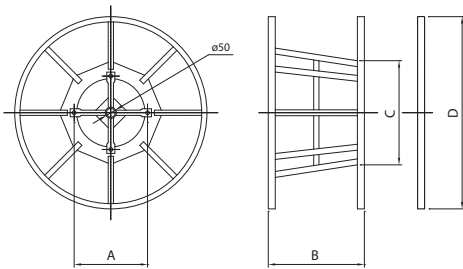


Standard Reels

Model	Dimensions [mm]				Mass [kg]
	A	B	C	D	
BOF010	420	560	570	1100	53
BOF020	420	560	570	1400	73
BOF030	420	560	570	1900	135
BOF330	420	1560	1010	2200	1200

Detachable Reels - BOC

The reels are made of welded steel with protective coating. A detachable side and the conical drum facilitate removal of rope or conductor coil.



Detachable Reels

Model	Dimensions [mm]				Mass [kg]
	A	B	C	D	
BOC040	420	560	590	1100	75
BOC050	420	560	590	1400	86
BOC310	420	890	626	1900	210
BOC320	420	1310	605	2050	250

Reel max capacity for steel wire rope [m]
(See page U 110)

Ø Rope	Reels							
	BOF010	BOF020	BOF030	BOF330	BOC040	BOC050	BOC310	BOC320
8	4590	7970	16040	54380	4040	7700	25500	42080
9	3540	6260	12500	42870	3180	6170	20020	33090
10	2865	5160	10170	34480	2510	4860	16500	26930
11	2430	4230	8400	28700	2090	4090	13660	22140
12	2020	3510	6930	23720	1820	3370	11220	18530
13	1690	2930	5910	20530	1490	2920	9740	15770
14	1380	2580	5090	17290	1290	2560	8180	13750
15	1220	2250	4460	15500	1130	2150	7260	12100
16	1080	1940	3860	13260	990	1830	6250	10520
18	840	1510	3120	10490	750	1510	4830	8040
24	490	410	1680	5930	460	800	2720	4500

Cross support - BOS360



Mass with bolts: 2.6 kg

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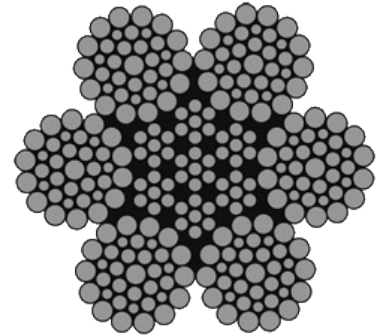
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STANDARD - FUR

High resistance bright steel rope with 6 strands and independent wire rope core.
216 wires - Class 6x36 Warrington Seale - Steel core (IWRC) - Regular lay
Steel grade 2160 N/mm².

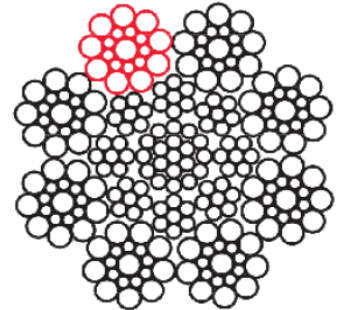


Model	Nominal diameter [mm]	Indicative lubricated linear mass [kg/m]	Minimum breaking load [kN]	Working load [kN]
FUR010	10	0.41	84.4	28.1
FUR011	11	0.50	102	34
FUR012	12	0.59	122	40.6
FUR013	13	0.70	143	47.6
FUR014	14	0.81	165	55
FUR015	15	0.94	190	63.3
FUR016	16	1.06	216	72
FUR018	18	1.34	273	91
FUR024	24	2.38	486	162

HIGH TECH - FUS

Multilayer rope with 8 outer strands with parallel wire rope core (PWRC), high breaking load and flexibility.

Galvanised steel rope - Class 8x19 Seale - Steel core (PWRC) - Regular lay - 152 wires
Steel grade 2160 N/mm².



Model	Nominal diameter [mm]	Indicative lubricated linear mass [kg/m]	Minimum breaking load [kN]	Working load [kN]
FUS008	8	0.29	62.8	21
FUS009	9	0.36	79.5	26.5
FUS010	10	0.45	98.2	32.7
FUS011	11	0.54	119.3	39.7
FUS012	12	0.65	141.7	47.2
FUS013	13	0.79	168.2	56
FUS014	14	0.92	194.7	65
FUS015	15	1.06	223.2	74.4
FUS016	16	1.20	253.8	84.6

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

- **ALF226** for diameters 06-12 mm
- **ALF227** for diameters 13-19 mm
- **ALF228** for diameters 20-30 mm

Specifically designed to temporally connect the cable to the pulling rope.
They consist of steel wire which effectively distribute the grip effect on the cable.



Head type sock joint with 1 Loop-Long Mod. GCL

Model	Cable Ø [mm]	Net length [mm]	Working load [kN]	Suitable swivel
GCL110	10-14	900	6.6	GGT001
GCL120	15-20	900	6.6	GGT001
GCL130	21-25	1000	8.3	GGT001
GCL140	26-30	1200	10	GGT001
GCL150	26-45	1500	16.6	GGT001
GCL160	31-40	1500	15	GGT001
GCL170	41-50	1500	16.6	GGT001
GCL180	46-60	1600	16.6	GGT001
GCL190	61-80	1800	26.6	GGT001
GCL200	81-100	2000	33.3	GGT010
GCL210	101-140	2000	33.3	GGT010
GCL220	141-170	2000	33.3	GGT010
GCL230	171-200	2000	33.3	GGT010
GCL221	150-180	2000	66.6	GGT020
GCL231	180-210	2000	66.6	GGT020

Head type sock joint with 1 Loop-Short Mod. GCT

Model	Cable Ø [mm]	Net length [mm]	Working load [kN]	Suitable swivel
GCT380	11-14	600	6.6	GGT001
GCT390	15-20	600	6.6	GGT001
GCT400	21-25	600	8.3	GGT001
GCT410	26-30	600	10	GGT001
GCT420	31-40	700	15	GGT001
GCT430	26-45	700	16.6	GGT001
GCT440	41-50	800	16.6	GGT001
GCT450	46-60	800	16.6	GGT001
GCT460	61-80	800	26.6	GGT001
GCT470	81-100	1000	33.3	GGT010
GCT480	101-140	1200	33.3	GGT010
GCT490	141-170	1200	33.3	GGT010
GCT495	171-200	1200	33.3	GGT010

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U 112

Specifically designed to temporally connect the cable to the pulling rope. They consist of steel wire which effectively distribute the grip effect on the cable. Also available in open version.



Socket joint with 2 loops Mod. GCP/GCA

Model		Cable Ø	Net length	Working load	Suitable swivel
Passing	Open	[mm]	[mm]	[kN]	
GCP241	GCA240	10-14	800	6.6	GGT001
GCP252	GCA250	15-20	800	6.6	GGT001
GCP262	GCA260	21-25	800	8.3	GGT001
GCP271	GCA270	26-30	800	10	GGT001
GCP281	GCA280	26-45	1000	16.6	GGT001
GCP292	GCA290	31-40	1000	16.6	GGT001
GCP301	GCA300	41-50	1000	16.6	GGT001
GCP311	GCA310	46-60	1000	16.6	GGT001
GCP326	GCA320	61-80	1000	26.6	GGT001
GCP332	GCA330	81-100	1200	33.3	GGT001
GCP341	GCA340	101-140	1400	33.3	GGT001
GCP351	GCA350	141-170	1400	33.3	GGT001
GCP361	GCA360	171-200	1400	33.3	GGT001

Specifically designed to temporally connect two lengths of cable. They consist of steel wire which effectively distribute the grip effect on the cable.



Double head type socket joint Mod. GCS

Model	Cable Ø	Net length	Working load
	[mm]	[mm]	[kN]
GCS620	11-14	1200	6.6
GCS630	15-20	1200	6.6
GCS640	21-25	1200	8.3
GCS650	26-30	1200	10
GCS660	26-45	1400	16.6
GCS670	31-40	1400	15
GCS680	41-50	1600	16.6
GCS690	46-60	1600	16.6
GCS700	61-80	1600	26.6
GCS710	81-100	2000	33.3
GCS720	101-140	2400	33.3
GCS730	141-170	2400	33.3
GCS740	171-200	2400	33.3
GCS731	150-180	4000	66.6
GCS741	180-210	4000	66.6

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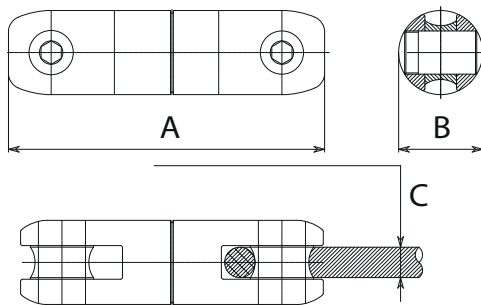
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U 115

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 they are designed to avoid torsion strain accumulation. They are made of highly tensile galvanized steel; the special design can bear the high radial loads, which occur during the passage over the rollers.



Model	Dimensions [mm]			Working load [kN]	Mass [kg]
	A	B	C max		
GGT001	106	28	10	23.3	0.3
GGT010	143	40	13	36.6	0.925
GGT020	184	54	18	73.3	2.15
GGT030	234	60	24	120	3.4
GGT040	322	77	28	250	8.2

SHACKLES - ALG

Screw pin anchor shackles meet the requirement of Federal Specification RR-C-271D type IVA, Grade A, Class 2.
Bolt type anchor shackles with head bolt-nut with cotter pin meet the requirement of Federal Specification RR-C-271D type IVA, Grade A, Class 3.

Pin type 209



Bolt type 2130



Dimensions [mm]

Model	AI AIB working load limit [kN]	Nominal shackle size [in]	Inside length	Inside width		Diameter		Tolerance plus of minus		Mass [kg]	
				At pin	At bow	At pin	Outside of eye	Length	Width	Screw pin type 209	Bolt type 2130
ALG050	5	1/4	28.6	12.7	19.8	7.94	17.5	1.59	1.59	0.05	
ALG051	7.5	5/16	31	13.5	21.4	9.53	20.6	1.59	1.59	0.08	
ALG052	10	3/8	36.5	16.7	26.2	11.1	24.7	3.18	1.59	0.14	
ALG053	15	7/16	42.8	18.3	29.4	12.7	27	3.18	1.59	0.20	
ALG054	20	1/2	47.6	20.6	33.3	15.9	30.2	3.18	1.59	0.29	
ALG055	32.5	5/8	60	27	42.9	19.1	39.7	3.18	1.59	0.60	
ALG056	47.5	3/4	71	31.8	51	22.2	47.6	6.35	1.59	1.05	
ALG057	65	7/8	84	36.5	58	25.4	54	6.35	1.59	1.54	
ALG058	85	1	95	42.9	68	28.6	60	6.35	1.59	2.35	
ALG059	15	7/16	42.8	18.3	29.4	12.7	27	3.18	1.59		0.36
ALG060	32.5	5/8	60	27	42.9	19.1	39.7	3.18	1.59		0.73
ALG061	47.5	3/4	71	31.8	51	22.2	47.6	6.35	1.59		1.23
ALG062	65	7/8	84	36.5	58	25.4	54	6.35	1.59		1.79
ALG063	85	1	95	42.9	68	28.6	60	6.35	1.59		3.75
ALG064	120	1 1/4	119	52	83	34.9	76	6.35	1.59		5.31
ALG065	135	1 3/8	132	57	89	38.1	84	6.35	3.18		7.18



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STANDARD

Made of galvanized steel and mounted on protected ball bearings, suitable for cables up to \varnothing 120 mm.
Also available with Al roller (model ACR191).

ACR001



ACR191



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR001	300 x 240 x 250	190 x 110 x 76	170	3.8
ACR191	300 x 240 x 250	190 x 125 x 76	200	4.7

HEAVY DUTY

Specifically designed for heavy and thick cables up to \varnothing 180 mm.
Made of galvanized steel and mounted on protected and heavy-duty ball bearings.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR192	310 x 255 x 270	216 x 80 x 80	300	7.5

THREE-ROLLERS

Roller for straight and slightly bended sections, suitable for cables up to \varnothing 150 mm.
Frame made of galvanised steel, rollers of Al.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR193	250 x 250 x 250	100 x 60 x 50	280	5

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U 120

ANGLE ROLLER

Made of galvanized steel and mounted on protected ball bearings, suitable for cables up to \varnothing 120 mm.
Corner rollers can be attached one to the other as to obtain different bending radius.
Also available with Al rollers (model ACR194).



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR002	550 x 340 x 370	190 x 110 x 76	250	12
ACR194	550 x 340 x 370	190 x 125 x 76	270	17

ADJUSTABLE

Made of galvanized steel and mounted on protected ball bearings, suitable for cables up to \varnothing 140 mm.
Corner rollers can be attached one to the other as to obtain different bending radius.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR195	370 x 330 x 420	200 x 83 x 83	400	29

ADJUSTABLE HEAVY DUTY

Specifically designed for heavy and thick cables up to \varnothing 180 mm. Made of galvanized steel and mounted on protected ball bearings.



Model	Max working load [kg]	Mass [kg]
ACR196	500	34



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RUN-OFF FRAME

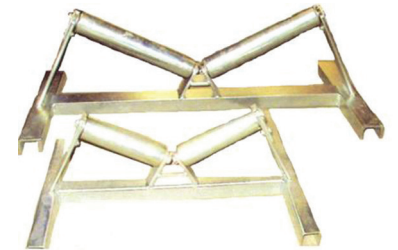
Made of galvanized steel. The rollers are mounted on protected ball bearings. It is specifically designed to guide the cable just after coming out from the drum, in order to guarantee the cable to be in the right position when being used with the next rollers.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x Ø x Ø) [mm]	Max working load [kg]	Mass [kg]
ACR005	1050 x 470 x 520	620 x 40 x 40	300	14

RUN OF FRAME (PIPES)

Made of galvanized steel. The rollers are mounted on protected ball bearings.



Model	Max pipe diameter [mm]	Max working load [kg]	Mass [kg]
ACR197	450	500	12
ACR198	750	1000	29

EDGE ROLLER

Galvanized roller placed on a swivel base, suitable for cables up to Ø 80 mm. Specifically designed to be used along with rims of manholes and trenches.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x Ø x Ø) [mm]	Max working load [kg]	Mass [kg]
ACR095	350 x 250 x 210	130 x 110 x 76	100	6

EDGE ROLLER HEAVY DUTY

Galvanized heavy-duty roller placed on a swivel base, suitable for cables up to Ø 60 mm. Specifically designed to be used along with rims of manholes and trenches.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x Ø x Ø) [mm]	Max working load [kg]	Mass [kg]
ACR199	315 x 250 x 230	100 x 200 x 140	250	18

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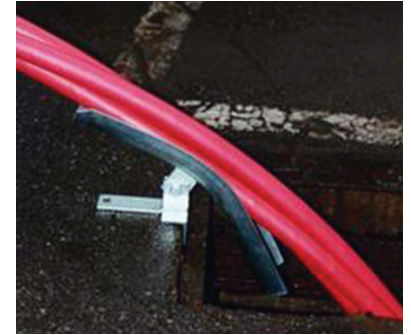
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U 140

CABLE PROTECTOR BEND

Made of galvanized steel, suitable for cables up to \varnothing 60 mm.
Specifically designed to protect cables along with rims of manholes and trenches.



Model	Dimensions (l x w x h) [mm]	Max working load [kg]	Mass [kg]
ACR104	450 x 130 x 200	75	2

GUIDE ROLLERS

Made of galvanized steel, suitable for cables up to \varnothing 120 mm.
Three rollers assembled on protected ball bearings.
Specifically designed to be used along with the rims of manhole and trench.
Also available with Al rollers (model ACR200).



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Max working load [kg]	Mass [kg]
ACR004	550 x 220 x 400	190 x 110 x 76	250	10
ACR200	500 x 220 x 400	190 x 125 x 76	270	15

ROLLERS CHAIN

Made of galvanized steel.
The rollers chain is composed by 12 jointed rollers.
It is specifically designed to guide the cable along bends.



Model	Rollers dimensions (l x \varnothing x \varnothing) [mm]	Mass [kg]
ACR182	180 x 32 x 32	28

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U 150

CABLE GUIDING RUN-OFF FRAME

Composed by 4 rollers mounted on a sturdy frame.
Made of galvanized steel.



Model	Dimensions (l x w x h) [mm]	Rollers dimensions (l x Ø x Ø) [mm]	Max working load [kg]	Mass [kg]
ACR075	500 x 130 x 500	60 x 60	200	28

SUSPENSION ROLLER

Made of galvanized steel.
Specifically designed to be used in open trench in order to protect already laid cables.



Model	Dimensions	Max working load [kg]	Mass [kg]
ACR077	For trenches width 250 - 400 mm	150	6
ACR078	For trenches width 400 - 600 mm	150	7

CABLE ROLLER - ADJUSTABLE BOOM

Made of galvanized steel, suitable for cables up to Ø 80 mm.
Specifically designed to be used in open trench in case there are obstacles to be avoided.



Model	Dimensions	Max working load [kg]	Mass [kg]
ACR183	Boom stroke 300 - 500 mm	250	9.5
ACR184	Boom stroke 500 - 800 mm	250	10
ACR071	Boom stroke 600 - 1000 mm	250	13
ACR072	Boom stroke 1000 - 1500 mm	250	16
ACR073	Boom stroke 1500 - 1800 mm	250	18
ACR074	Boom stroke 1800 - 2400 mm	250	23

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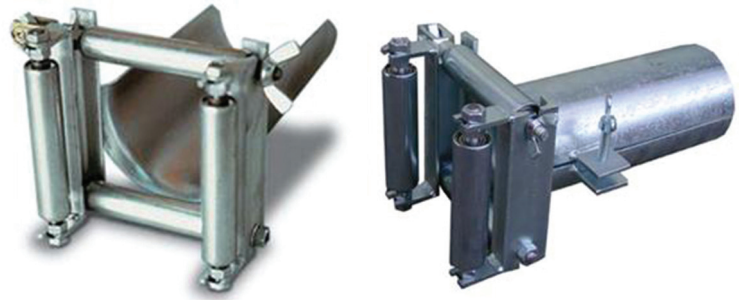
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U 160

ROLLER ENTRY TOOL

Made of galvanized steel with an opening frame on head and four rollers assembled on bearings. This tool provides easy cable entry into pipe irrespective of angle and direction. Also available with double protection.



Single protection

Model	Double protection Model	External diameter [mm]
ACR009	ACR203	76
ACR010	ACR204	90
ACR011	ACR205	114
ACR012	ACR206	133
ACR013	ACR207	140
ACR014	ACR208	152
ACR201	ACR209	169
ACR202	ACR210	196

SIMPLE / BENT CABLE ENTRY TOOL

Made of galvanized steel. Specifically designed to protect the cable in presence of sharp edges.



Model	External diameter [mm]	End shape	Model	External diameter [mm]	End shape
ACR015	76	straight	ACR021	76	bent
ACR016	90	straight	ACR022	90	bent
ACR017	114	straight	ACR023	114	bent
ACR019	140	straight	ACR151	140	bent

FLEXIBLE HOSE

Specifically designed for cable laying in manholes, when job is thwarted by other cables.



Model	External diameter [mm]	Length [m]
ACR155	90	3
ACR211	110	3
ACR156	115	3
ACR212	150	3

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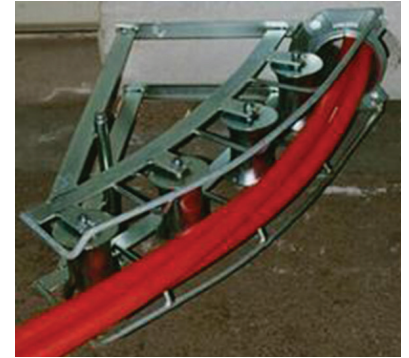
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U 170

SHORT AND LONG RADIUS CABLE ENTRY TOOL

Made of galvanized steel with three (R=420 mm) or four (R=1000 mm) rollers assembled on protected ball bearings and entry device for pipes.
Particularly suitable to connect cable's change of directions inside manholes.



Model	Bending radius	External diameter
	[mm]	[mm]
ACR082	420	76
ACR083	420	90
ACR084	420	114
ACR213	420	133
ACR214	420	152
ACR215	420	169
ACR216	420	196
ACR086	1000	76
ACR087	1000	90
ACR088	1000	114
ACR217	1000	133
ACR218	1000	152
ACR219	1000	169
ACR220	1000	196

SPARE DEVICE FOR CABLE ENTRY TOOL

Made of galvanized steel.

Model	External diameter
	[mm]
ACR090	76
ACR091	90
ACR092	114
ACR221	133
ACR222	152
ACR223	169
ACR224	196



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U 180

Rod diameter 4.5, 6, 9 and 11 mm, made with a central part in fibreglass and an external abrasion-proof coating.

It is supplied wound up on galvanized steel vertical reel frame. It comes complete with starting/ending threaded end and with a starting spinner (with hole for 4.5 and 6 mm, with shackle for 9 and 11 mm).



Model	Diameter [mm]	Length [m]	Frame configuration
ACV225	4.5	20	vertical
ACV226	4.5	30	vertical
ACV227	4.5	40	vertical
ACV228	4.5	50	vertical
ACV229	4.5	60	vertical
ACV230	4.5	70	vertical
ACV231	4.5	80	vertical
ACV232	6	30	vertical
ACV233	6	40	vertical
ACV234	6	50	vertical
ACV235	6	60	vertical
ACV236	6	70	vertical
ACV131	6	80	vertical
ACV237	6	30	vertical
ACV238	6	40	vertical
ACV239	6	50	vertical
ACV240	6	60	vertical
ACV241	6	70	vertical
ACV026	6	80	vertical

Model	Diameter [mm]	Length [m]	Frame configuration
ACV242	9	60	vertical, t. m.
ACV243	9	70	vertical, t. m.
ACV025	9	80	vertical, t. m.
ACV244	9	100	vertical, t. m.
ACV245	9	120	vertical, t. m.
ACV246	9	150	vertical, t. m.
ACV247	11	100	vertical, t. m.
ACV027	11	120	vertical, t. m.
ACV029	11	150	vertical, t. m.
ACV030	11	200	vertical, t. m.
ACV031	11	250	vertical, t. m.
ACV130	11	300	vertical, t. m.

Note: t. m. = trailer mounted

Rod diameter 6 mm made with a central part in fibreglass and an external abrasion-proof coating.

It is supplied wound up on galvanized steel horizontal reel. It comes complete with starting/ending threaded end and with a starting spinner with hole.



Model	Diameter [mm]	Length [m]	Frame configuration
ACV248	6	30	horizontal
ACV249	6	40	horizontal
ACV132	6	50	horizontal
ACV133	6	60	horizontal
ACV250	6	70	horizontal
ACV251	6	80	horizontal

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FREE SNAKES

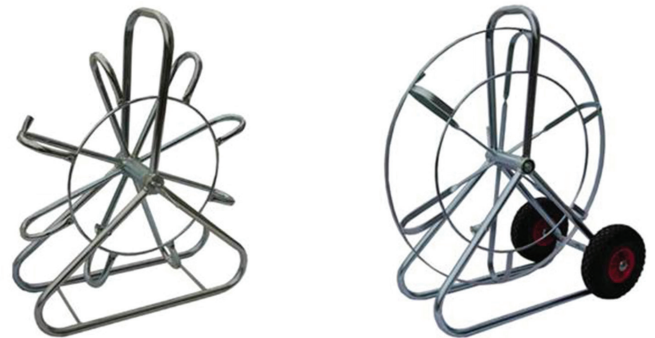
Rod diameter 4.5, 6, 9 and 11 mm, is available also as free snakes (without reels).

Model	Diameter [mm]	Length [m]
ACV252	4.5	20
ACV253	4.5	30
ACV254	4.5	40
ACV255	4.5	50
ACV256	4.5	60
ACV257	4.5	70
ACV258	4.5	80
ACV259	6	30
ACV260	6	40
ACV261	6	50
ACV262	6	60
ACV263	6	70
ACV264	6	80

Model	Diameter [mm]	Length [m]
ACV265	9	30
ACV266	9	40
ACV267	9	50
ACV268	9	60
ACV269	9	70
ACV270	9	80
ACV271	9	100
ACV272	9	120
ACV273	9	150
ACV274	11	100
ACV275	11	120
ACV276	11	150
ACV277	11	200
ACV278	11	250
ACV279	11	300

REELS

Made of galvanized steel.



Model	For rod diameter [mm]	Frame configuration
ACV280	4.5	vertical
ACV281	6	vertical
ACV282	6	horizontal
ACV283	9	vertical
ACV284	9	vertical, t. m.
ACV285	11	vertical, t. m.
ACV286	11	vertical, high storage capacity, t.m.

Note: t. m. = trailer mounted

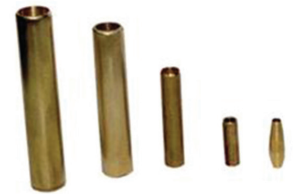
Starting/Ending threaded junctions

Model	Description
ACV287	for rod \varnothing 4.5 mm, thread M5
ACV185	for rod \varnothing 6 mm, thread M6
ACV057	for rod \varnothing 9 mm, thread M12
ACV058	for rod \varnothing 11 mm, thread M12



Coupling joint for rods repairing

Model	Description
ACV288	for rod \varnothing 4.5 mm
ACV186	for rod \varnothing 6 mm
ACV055	for rod \varnothing 9 mm
ACV056	for rod \varnothing 11 mm



Starting Spinner

Model	Description
ACV289	for rod \varnothing 4.5 mm, thread M5
ACV290	for rod \varnothing 6 mm, thread M6



Starting Spinner with shackle

Model	Description
ACV187	for rod \varnothing 6 mm, thread M6
ACV052	for rod \varnothing 9 and 11 mm, thread M12



Starting Roller

Model	Description
ACV188	for rod \varnothing 6 mm, thread M6
ACV054	for rod \varnothing 9 and 11 mm, thread M12



Connecting Device

Model	Description
ACV291	for rod \varnothing 6 mm, thread M6
ACV051	for rod \varnothing 9 and 11 mm, thread M12



Catch Hooks

Model	Description
ACV189	thread M12, pipe \varnothing 80-100 mm
ACV190	thread M12, pipe \varnothing 100-120 mm
ACV180	thread M12, pipe \varnothing 125-200 mm



Glue for repairing fiberglass rods

Model	Description
ACV292	glue, 150 gr



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PULLING EYES FOR PIPES

Reusable power pulling eyes, fixed head specifically designed to pull pipes.



Model	Nominal size [in]	Pipe diameter [mm]	Max O.D. [mm]	Hole Ø [mm]	Eye Ø [mm]	Eye Thickness [mm]
CX08913400	0.75	18-22	32	6	13	10
CX08913320	1	24-27	31	6	13	6
CX08913410	1.25	27-37	44	11	13	13
CX08913411	1.5	35-43	51	11	13	13
CX08913322	1.75	43-46	57	10	13	13
CX08913412	2	49-54	62	11	13	13

PULLING EYES FOR PE & PVC PIPES

Reusable power pulling eyes, fixed head specifically designed to pull PE & PVC pipes.



Model	Nominal size [in]	Pipe diameter [mm]	Length [mm]	Lead cone O.D [mm]
CX08220020	2	48-55	206	60
CX08220030	3	68-79	302	89
CX08220611	4	89-106	358	122
CX08220050	5	108-129	469	141
CX08220060	6	129-152	498	168

STANDARD HEAD

Standard head power pulling eyes are specifically to be used when pulling multiple cables. Each standard head power pulling eye includes an eye socket, sleeve nut and plug.



Model	Cable size [kcmil]	Max conductor Ø [mm]	Max eye O.D [mm]	Hole Ø D [mm]	Eye thickness T [mm]
CX08917220	750	25	44	15	11
CX08917120	1000	29	52	25	13
CX08917820	1250	33	57	25	13
CX08917920	1500	36	60	25	13
CX08917720	1750	39	63	25	13
CX08918020	2000	41	64	25	13
CX08918120	2500	46	76	25	13

CLEVIS HEAD

Clevis head power pulling eyes are specifically to be used when pulling multiple cables. Each clevis head power pulling eye includes a clevis socket, sleeve nut and plug.



Model	Cable size [kcmil]	Max conductor Ø [mm]	Max eye O.D A [mm]	Slot width B [mm]	Slot depth C [mm]	Pin Ø D [mm]	Pin center E [mm]
CX08917250	750	25	44	16	40	14	20
CX08917150	1000	29	52	19	45	16	18
CX08917850	1250	33	57	19	45	16	18
CX08917950	1500	36	60	19	45	16	18
CX08917750	1750	39	64	25	71	22	31
CX08918050	2000	41	64	25	71	22	31
CX08918150	2500	46	76	25	71	22	31

SWIVEL HEAD

The swivel head power pulling eye is a hyped tool that combines features from standard reusable with pulling eyes and swivels. It eliminates the need for different separate swivel on each pulling eye when installing single cables.

Each swivel head power pulling eye includes a swivel head, sleeve nut and plug.



Model	Cable size [kcmil]	Max conductor Ø [mm]	Max eye O.D A [mm]	Slot width B [mm]	Slot depth C [mm]	Pin Ø D [mm]	Pin center E [mm]
CX08917275	750	25	44	16	40	14	20
CX08917175	1000	29	52	19	45	16	18
CX08917875	1250	33	57	19	45	16	18
CX08917975	1500	30	60	19	45	16	18
CX08917775	1750	39	64	25	71	22	31
CX08918075	2000	41	64	25	71	22	31
CX08918175	2500	46	76	25	71	22	31

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