

# DRUM ELEVATORS & REEL WINDERS







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## DRUM ELEVATORS & REEL WINDERS

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## DRUM ELEVATORS & REEL WINDERS

# The historical overhead tradition meets the new underground applications

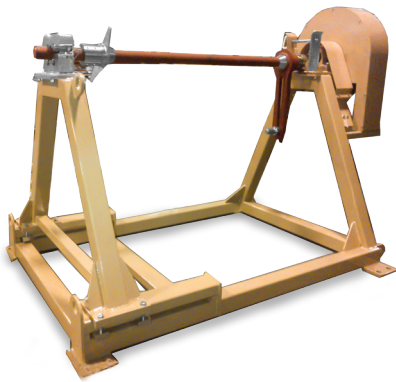
In the last 60 years Tesmec have been developing a range of drum elevators and reel winders that satisfy the needs of overhead and underground jobsites.

Thanks to the experience acquired in the field, today Tesmec is able to design the perfect solution to face any challenge, such as the solar and wind underground connections or the HVDC links.

The latest RC320, crown jewel of this range of equipment, is a special carrier for automatic laying, example of an R&D process where a long quality tradition meets the new market requests to support the new technology.





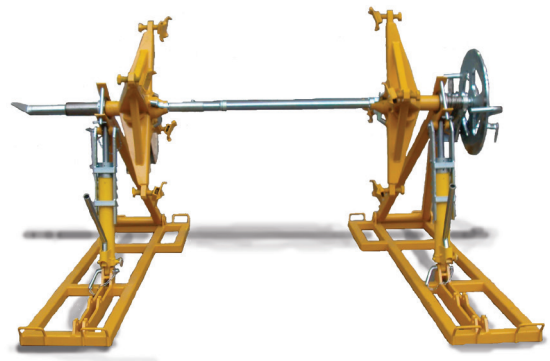


## HEAVY DUTY DRUM STAND

**CVR: The new reel stand type.**

- + One piece system
- + Suitable for all reel sizes
- + No parts to be lifted
- + Capacity up to 13 tons

The new Heavy Duty Drum Stand CVR824 is ready to use for a faster jobsite installation.

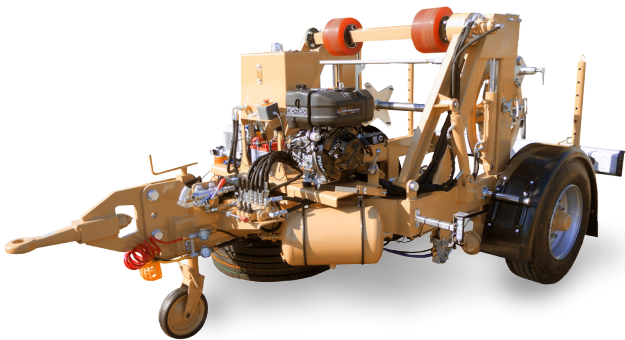


## HEAVY DUTY DRUM ELEVATOR

**CVI: The traditional range.**

- + Easy to install
- + Compact for transportation

The preferred solution across the world with a range up to 30 tons.



## REEL CARRIER TRAILERS

**CVT: Trailer solution**

- + Hydraulic lifting system
- + Motorized or no motorized reel system
- + Several model according to reel size & weight

The best choice for the underground projects, with several models EU type approved.



## CABLE DRUM UNWINDING MACHINE

**RC: Perfect for wind farms cable installation.**

The self-propelled carrier RC320 is suitable to lay down three cables wound on up to 20 tons weight reels. All reel-drives can work simultaneously and have independent control of the load.

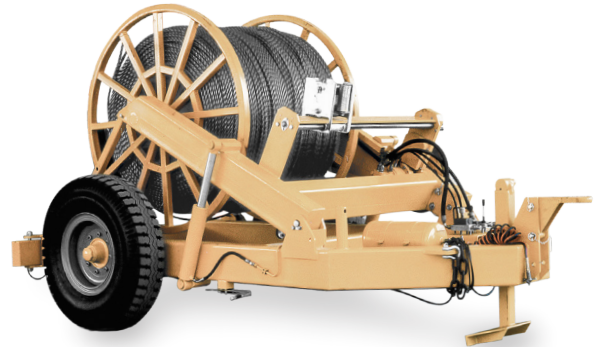
## RV REEL WINDERS

SUITABLE TO WORK WITH ANY TESMEC MACHINE

COMPACT DESIGN AND EASY TO HANDLE



RVA001



RVB600

### RVA001

#### PERFORMANCE

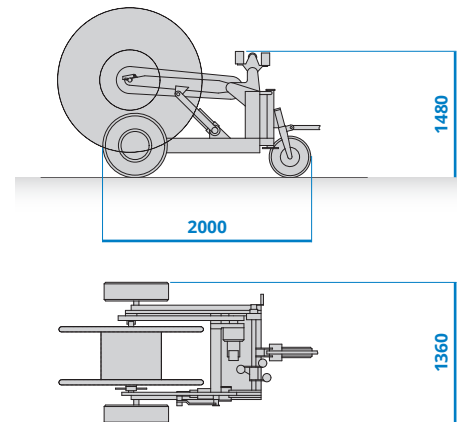
Capacity	20 kN
Torque	1 kNxm
Rotating speed	50 rpm
Weight	525 kg

#### KIT OF CONNECTING HOSES

<b>TUT001</b>	Length 7 m
<b>TUT002</b>	Length 10 m
<b>TUT003</b>	Length 15 m

#### CONFIGURATION

Automatic level wind.  
Negative self-acting hydraulic brake.  
Hydraulic jacks powered by the same hydraulic source.  
Rigid semiaxles for manual towing.  
Can operate with the standard reels mod. BOF010, BOF020, BOC040 and BOC050.  
Extra shaft AXR001 is included.



### RVB600

#### BUILT-IN REEL

Ø rope	10 mm	13 mm	16 mm	18 mm	20 mm	22 mm	24 mm	26 mm	28 mm
Rope capacity	19200 m	11200 m	7200 m	5600 m	4000 m	3600 m	3200 m	2100 m	2400 m

#### PERFORMANCE

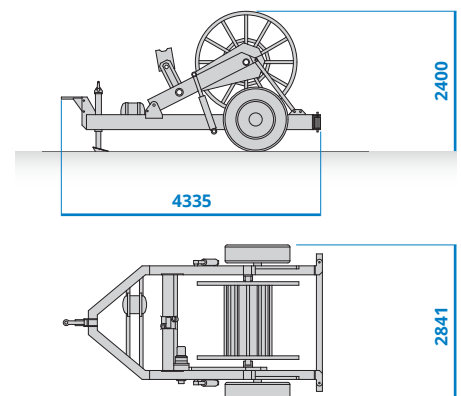
Capacity	70 kN
Torque	2.7 kNxm
Rotating speed	35 rpm
Weight	1770 kg

#### AVAILABLE DEVICES

<b>BOF060</b>	Additional special steel reel with support shaft.
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#### CONFIGURATION

Automatic level wind.  
Negative self-acting hydraulic brake.  
Hydraulic jacks powered by the same hydraulic source.  
Included steel reel mod. BOF060 with capacity indicated in the table below.  
Manual front stabiliser.  
Connecting hoses kit 15 m length.  
Lighting system.  
Air brake system.  
Rigid axle for towing at max speed of 30 km/h with mechanical parking brake.



Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.

Certified Quality System  
**ISO 9001:2015**

Certified Environmental System  
**ISO 14001:2015**

Certified Health & Safety System  
**ISO 45001:2018**



## CVC

### CRADLE REEL ELEVATORS

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 DETACHABLE FRAME
 

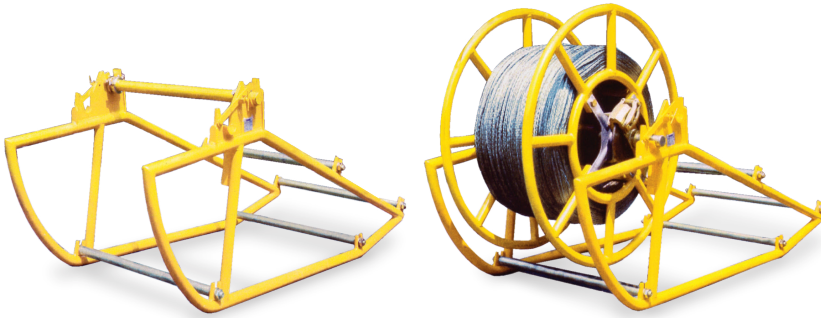
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 LIGHT DESIGN
 

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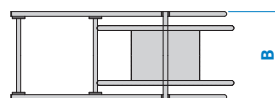
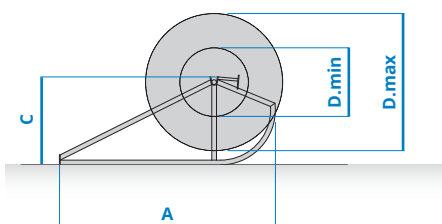


#### CHARACTERISTICS

MODEL	DIMENSIONS			REEL MODEL	CAPACITY	WEIGHT
	A	B	C			
<b>CVC002</b>	2200 mm	900 mm	910 mm	<b>BOF010</b>	20 kN	58 kg
				<b>BOF020</b>		
<b>CVC201</b>	3020 mm	1060 mm	1130 mm	<b>BOF030</b>	26 Kg	150 kg

#### AVAILABLE DEVICES

- CDF007** Disk brake device for model CVC002 (max. torque 1.3 kN x m).
- CDF008** Disk brake device for model CVC201 (max. torque 2 kN x m).



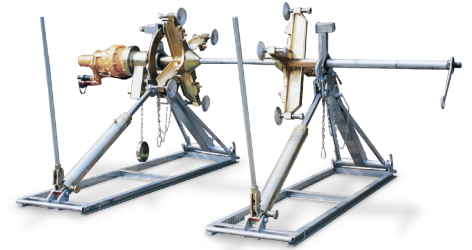
## CVI

### HYDRAULIC DRUM ELEVATORS LIGHT DUTY

- DETACHABLE FRAME
- EASY TRANSPORT



CVI400



CVI602 with TIH002

#### CHARACTERISTICS

MODEL	DIMENSIONS								CAPACITY	WEIGHT
	A	B min	B max	C min	C max	D	E min	E max		
CVI400	1650 mm	600 mm	1500 mm	500 mm	1100 mm	550 mm	1100 mm	2000 mm	60 kN	284 kg
CVI602	2150 mm	500 mm	1500 mm	500 mm	1400 mm	500 mm	750 mm	2500 mm	70 kN	330 kg

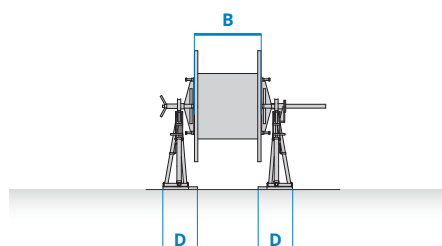
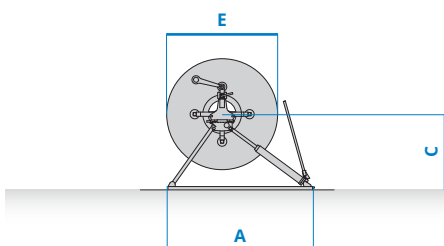
#### CONFIGURATION

One mechanical disk brake.  
Support for wooden drums of conductors.

#### TYPICAL AVAILABLE DEVICES FOR CVI602

- TIH002** Fast assembling hydraulic motor for control of the drum winding and unwinding.
- TUT002** Kit of connecting hoses. Length 10 m, Weight 15 Kg.

All available devices pag. 7.35, 7.40, 7.45



TIH002



## CVI

HYDRAULIC  
DRUM ELEVATORS  
HEAVY DUTY

DETACHABLE FRAME

EASY TRANSPORT



CVI600 with CDR002 and TIH001



CVI810 with CDR057 and CDF059

## CHARACTERISTICS

MODEL	DIMENSIONS								CAPACITY	WEIGHT
	A	B min	B max	C min	C max	D	E min	E max		
CVI600	2140 mm	800 mm	1500 mm	580 mm	1340 mm	640 mm	1200 mm	2500 mm	80 kN	305 kg
CVI810	2500 mm	800 mm	1850 mm	720 mm	1725 mm	740 mm	1500 mm	3200 mm	100 kN	550 kg

## CONFIGURATION FOR CVI600

One manual disk brake CDF012 (max torque 1 kN x m)

## TYPICAL AVAILABLE DEVICES FOR CVI600

<b>CDR002</b>	Supports with self-locking fixing wedges for wooden conductor drums. Max reel hole diameter =125 mm.
<b>TIH001</b>	Fast assembling hydraulic motor for control of the drum winding and unwinding.
<b>TUT002</b>	Kit of connecting hoses. Lenght 10 m, weight 15 Kg.

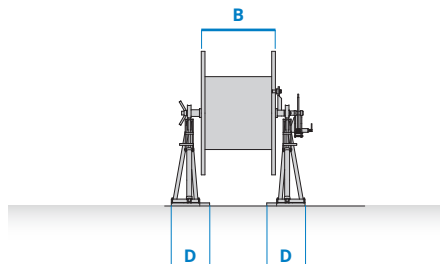
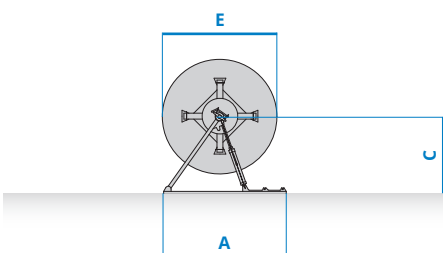
## CONFIGURATION FOR CVI810

One manual disk brake CDF059 (max torque 2.3 kN x m)

## TYPICAL AVAILABLE DEVICES FOR CVI810

<b>CDR057</b>	Supports with self-locking fixing wedges for wooden conductor drums.
<b>TIH007</b>	Fast assembling hydraulic motor for control of the drum winding and unwinding.
<b>TUT002</b>	Kit of connecting hoses. Lenght 10 m, weight 15 Kg.

All available devices pag. 7.35, 7.40, 7.45

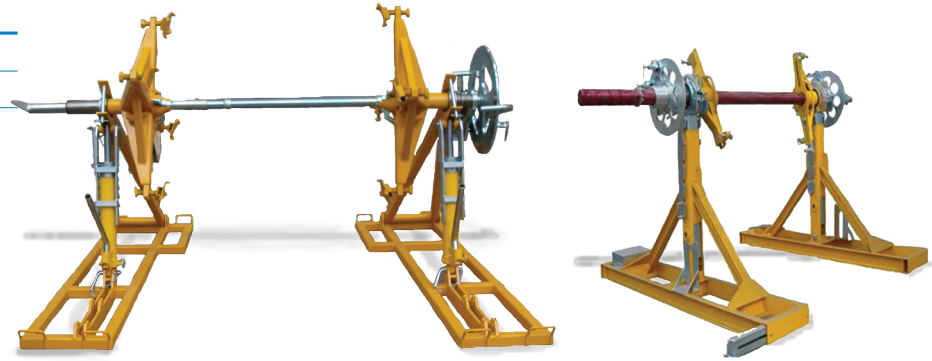


## CVI

### HYDRAULIC DRUM ELEVATORS HEAVY DUTY

DETACHABLE FRAME

EASY TRANSPORT



CVI816+CDR

CVI830

#### CHARACTERISTICS

MODEL	DIMENSIONS								SHAFT Ø	CAPACITY	WEIGHT
	A	B min	B max	C min	C max	D	E min	E max			
CVI816	2800 mm	1500 mm	2600 mm	960 mm	1770 mm	900 mm	2000 mm	3400 mm	70 mm	160 kN	1340 kg
CVI830 CVI831	3000 mm	1600 mm	2800 mm	1800 mm	2150 mm	600 mm	3700 mm	4450 mm	140 kN	300 kN	1600 kg

#### CONFIGURATION FOR CVI816

Two manual disk brakes (max torque 6 kN x m). Support with self locking fixing wedges for wooden conductor reels. The drum elevator must be completed with the optional CDT.

#### TYPICAL AVAILABLE DEVICES FOR CVI816

**TIH010** Fast assembling hydraulic motor for control of the drum winding and unwinding.

**TUT002** Kit of connecting hoses. Length 10 m, weight 15 Kg.

#### CONFIGURATION FOR CVI830

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

#### CONFIGURATION FOR CVI831

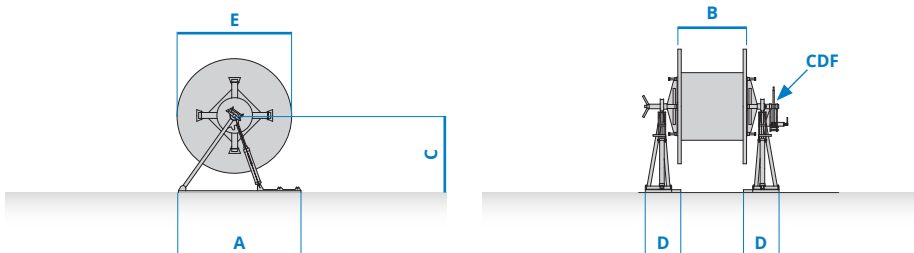
One manual disk brake. Connection for hydraulic motor.

#### TYPICAL AVAILABLE DEVICES FOR CVI831

**TIH013** Fast assembling hydraulic motor for control of the drum winding and unwinding.

**TUT002** Kit of connecting hoses. Length 10 m, weight 15 Kg.

All available devices pag. 7.35, 7.40, 7.45







CDR

## CDR001

SUPPORTS WITH FIXING WEDGES FOR WOODEN CONDUCTOR DRUMS (Only for CVI600)

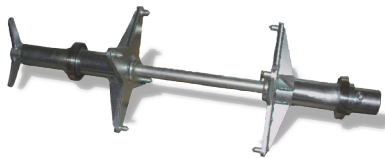
## CDR002

SUPPORTS WITH SELF-LOCKING FIXING WEDGES FOR WOODEN CONDUCTOR DRUMS

MAX REEL HOLE DIAMETER = 125 MM (Only for CVI600)

## CDR057

SUPPORTS WITH SELF-LOCKING FIXING WEDGES FOR WOODEN CONDUCTOR DRUMS (Only for CVI810)



CDA

## CDA004

ADAPTER FOR STEEL ROPE STANDARD REEL (BOF010-BOF020-BOF030-BOC040-BOC050) (Only for CVI600)

## CDA060

ADAPTER FOR STEEL ROPE STANDARD REEL (BOF010-BOF020-BOF030-BOC040-BOC050) (Only for CVI810)

SPECIAL ADAPTER AVAILABLE ON DEMAND

## CDA078/079

ADAPTER FOR STEEL ROPE STANDARD REEL (BOF330, BOC 310, BOC320)



CDD

## CDD005

AUTOMATIC LEVEL WIND FOR STANDARD STEEL ROPE REELS (BOF010-BOF020-BOC040-BOC050) (Only for CVI600)

SPECIAL AUTOMATIC LEVEL WIND FOR STEEL CONDUCTOR REELS ON DEMAND

# CDT

SPECIAL DRIVER WITH FIXED WEDGES FOR STEEL CONDUCTOR REELS  
(Reel drawing is required)

SPECIAL MODELS AVAILABLE ONDEMAND



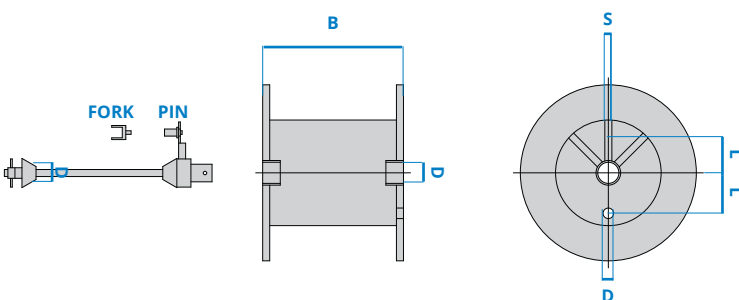
CDT

## CDT suitable for CVI600

MODEL	REEL WIDTH		HOLE DIAMETER		HOLE SPACING		PIN HOLE	SPOKE WIDTH
	B min	B max	D min	D max	min	max	H min	S max
<b>CDT105</b>	820	1190	85	115	275	300	50 - 60	
<b>CDT118</b>	870	1080	95	115	340	410	43	
<b>CDT153</b>	940	1390	90	120	445	475	51	
<b>CDT068</b>	1050	1280	120	140	230	315	61	
<b>CDT003</b>	1060	1280	80	100	360	420		73
<b>CDT073</b>	1160	1530	115	145	380	410	63	
<b>CDT056</b>	1160	1530	80	100	420	480		73
<b>CDT133</b>	1200	1650	100	120	280	320	64	
<b>CDT075</b>	1300	1520	100	120	360	420		163
<b>CDT130</b>	1370	1870	110	155	160	320	51	

## CDT suitable for CVI810

MODEL	REEL WIDTH		HOLE DIAMETER		HOLE SPACING		PIN HOLE	SPOKE WIDTH
	B min	B max	D min	D max	min	max	H min	S max
<b>CDT120</b>	910	1310	100	125	430	510		155
<b>CDT103</b>	1370	1470	90	150	255	325	60	
<b>CDT119</b>	1590	1980	110	155	265	335	60	



Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.

Certified Quality System  
**ISO 9001:2015**

Certified Environmental System  
**ISO 14001:2015**

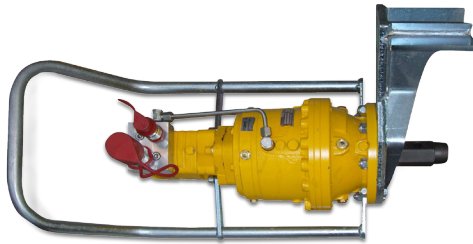
Certified Health & Safety System  
**ISO 45001:2018**



CDF

## CDF013

MANUAL DISK BRAKE  
(Max torque 2.3 kN x m)  
(Only for CVI600)



TIH001

## TIH

FAST ASSEMBLING HYDRAULIC MOTOR FOR  
CONTROL OF THE DRUM WINDING AND  
UNWINDING

### CHARACTERISTICS

MODEL	MAX TORQUE	MAX ROTATING SPEED	WEIGHT
<b>TIH001</b> for CVI600 and CVR824	1.8 kN x m	45 rpm	76 kg
<b>TIH002</b> for CVI602	1.8 kN x m	45 rpm	78 kg
<b>TIH006</b> for CVI600	2.3 kN x m	32 rpm	78 kg
<b>TIH007</b> for CVI810	2.3 kN x m	37 rpm	78 kg
<b>TIH010</b> for CVI816	5 kN x m	30 rpm	120 kg
<b>TIH013</b> for CVI831	2.4 kN x m	35 rpm	500 kg



TIH013

## TUT

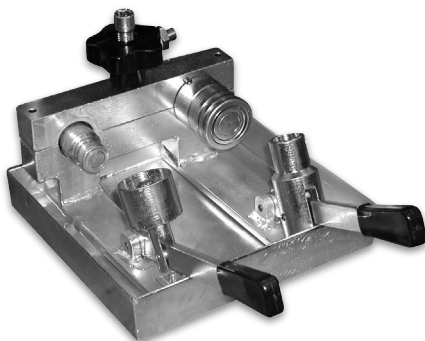
KIT OF CONNECTING HOSES

### CHARACTERISTICS

MODEL	LENGTH	WEIGHT
<b>TUT001</b>	7 m	11 kg
<b>TUT002</b>	10 m	15 kg
<b>TUT003</b>	15 m	23 kg



TUT



TUK

## TUK054

KIT TO REMOVE RESIDUAL PRESSURE ON HOSES



## CVR624

### DRUM STAND

READY TO USE

SUITABLE FOR DIFFERENT REEL DIMENSIONS



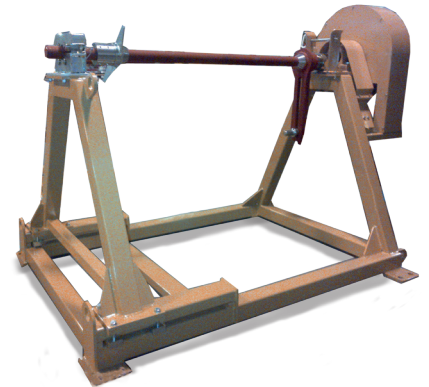
CVR624

## CVR824

### HEAVY DUTY DRUM STAND

READY TO USE

SUITABLE FOR DIFFERENT REEL DIMENSIONS



CVR824

#### CVR624

##### CHARACTERISTICS

MODEL	DIMENSIONS						CAPACITY	WEIGHT
	A	B max	B min	C	D	E		
<b>CVR624</b>	2750 mm	1700 mm	1400 mm	1580 mm	2170 mm	2840 mm	70 kN	365 kg

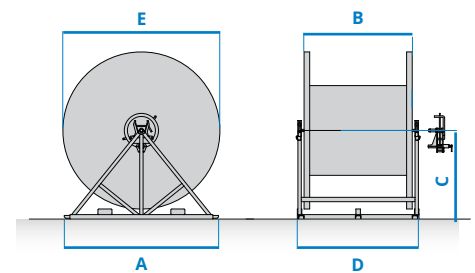
##### CONFIGURATION FOR CVR624

One manual disk brake CDF012 (max torque 1kN x m).

All available devices pag. 7.35, 7.40, 7.45

##### TYPICAL AVAILABLE DEVICES FOR CVR624

- CDR124** Support with fixed wedges for wooden conductor drums.
- CDT123** Special driver with fixed wedges for steel reels conductor.
- CDA125** Adapter for steel rope standard reels.
- TIH001** Fast assembling hydraulic motor for control of the drum winding and unwinding.
- TUT002** Kit of connecting hoses.



#### CVR824

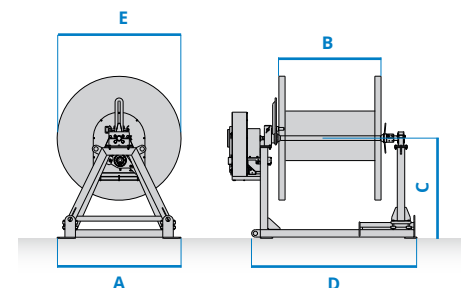
##### CHARACTERISTICS

MODEL	DIMENSIONS						CAPACITY	WEIGHT
	A	B max	B min	C	D	E		
<b>CVR824</b>	2000 mm	1650 mm	-	1618 mm	3057 mm	3000 mm	120 kN	930 kg

##### CONFIGURATION FOR CVR824

Integrated hydraulic motor. Hydraulic transmission powered by existing machines. Universal drive shaft. Incorporated disk brake for emergency breaking in case of absence of hydraulic power. (max Torque 2,3 kN x m)

Simple drive transmission engagement by means of slide shaft. Rollers supported shaft.

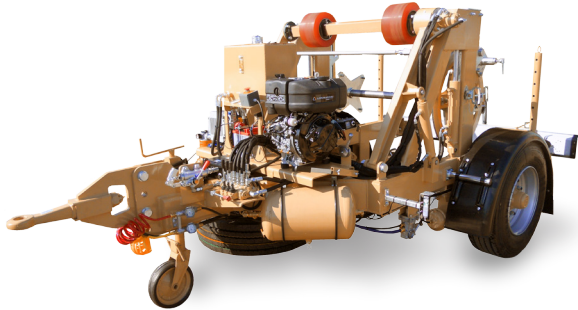


## CVT

### REEL CARRIER TRAILERS

SPECIAL MODELS CAN BE DESIGNED ON DEMAND

READY TO USE



CVT234



CVT415

#### MOTORIZED MODELS EQUIPPED WITH HYDRAULIC WINDING SYSTEM

MODEL	MAX CAPACITY	ENGINE	REEL DIMENSIONS			MAX TOWING SPEED	OVERALL DIMENSIONS			WEIGHT
			Ø max	Ø min	WIDTH		LENGTH	WIDTH	HEIGHT	
CVT234*	30 kN	8 kW	3000 mm	1400 mm	1300 mm	90 km/h	4300 mm	2200 mm	2000 mm	1700 kg
CVT616	70 kN	6 kW	2400 mm	1200 mm	1200 mm	30 km/h	4800 mm	2550 mm	2250 mm	1800 kg

\*EC type-approved for road circulation

#### STANDARD MODELS

MODEL	MAX CAPACITY	REEL DIMENSIONS			MAX TOWING SPEED	OVERALL DIMENSIONS			WEIGHT
		Ø max	Ø min	WIDTH		LENGTH	WIDTH	HEIGHT	
CVT216	30 kN	2200 mm	1200 mm	1300 mm	80 km/h	4200 mm	2500 mm	2300 mm	1200 kg
CVT415*	43 kN	3000 mm	1400 mm	1500 mm	90 km/h	4950 mm	2500 mm	2150 mm	1700 kg
CVT601	70 kN	3000 mm	1600 mm	1370 mm	20 km/h	4900 mm	2500 mm	2200 mm	1200 kg
CVT808	80 kN	3000 mm	1200 mm	1500 mm	20 km/h	4500 mm	2500 mm	2300 mm	1800 kg

\*EC type-approved for road circulation

#### CONFIGURATION

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.  
 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.

#### TYPICAL AVAILABLE DEVICES FOR CVT234

**BOC310** Detachable reel.

