



## Ladies and Gentlemen!

Science-Technological Centre "Reduktor" (STC "Reduktor") is one of the leading industrial Russian company specialized in production and sales of:

reducers and reduction motors; drives for industrial equipment;  
winches, hoists; conveyors and spares for them; barriers and gates drives;  
another machinery, which includes reducers as part of its structure.

Our head office is located in Saint-Petersburg. The staff is about 400 employees. We have a branch office in Kiev (Ukraine) with staff of about 200 employees.

Our representatives in Moscow, Yekaterinburg, Angarsk are occupied with the sale of our production in the central (European) part of Russia, over the Urals and in Siberia. We have a production base with the total area of more than 20000 m<sup>2</sup>. Our engineering personnel are occupied with development and introduction of new constructions of reducers and drives, which have the increased technical characteristics, corresponding to the most important criteria of quality: reliability, durability and the efficiency in the production.

### Invitation to collaboration

We invite foreign companies, interested in the joint activity on the Russian reduction market and on the markets of the countries of the former USSR to collaboration.

Our contemporary marketing concepts also are based, on the comprehensive expansion of interaction

with European producers of reducers, winches, hoists, conveyors and another production which is profile for us, in order to organize and develop reciprocal cooperation in the following directions:

1. Joint activity in the design, production and sale of new, promising reducers and motor-reducers of separate types and standard sizes:  
worm, worm-cylindrical, planetary, conical, combined.
2. Joint activity in the design, production and sale of the new, promising constructions of handling machinery:  
winches, hoists, conveyors, another machinery, which includes reducers as part of its structure.
3. For the realization of collaboration on points 1 and 2 the organization of joint productions in Russia and Ukraine is preferably to be carried out with the use of equipment, supplied by our future European partners.
4. The sale of the analogous production of European companies in Russia, Ukraine, Belarus, Kazakhstan and other countries of the former USSR;
5. The usage of components, supplied by European partners, for the assembly of its own articles; their joint sale both in Russia and beyond its limits.

Further information about our firm is located on the site [www.reduktorntc.ru](http://www.reduktorntc.ru).

Your proposals on collaboration, as well as questions on this topic you can send by e-mail: [reduktor@peterstar.ru](mailto:reduktor@peterstar.ru) or to faxes (812) 327-00-32, (812) 327-04-31.

We will try to answer you without any delay.  
CEO,  
Candidate of Technical Science,  
Valeriy Parubets.

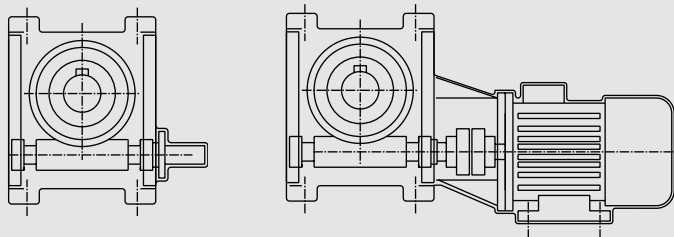
### STC "Reduktor" proposes to its future partners:

1. Production and supply of reducers and motor-reducers according to your drawings.
  2. Repair of the large reducers of different types.
  3. Calculations, design and production of worm gears of different types.
  4. Production and supply of large-scale worm gears.
  5. Performing of reducers strength calculations.
  6. Production of hobbing cutters of required constructions.
  7. Other works and services for mutual interest.
- We are ready for reciprocal collaboration and invite the interested foreign companies to it.

# **GEAR UNITS & DRIVES**

from  
**Saint-Petersburg**

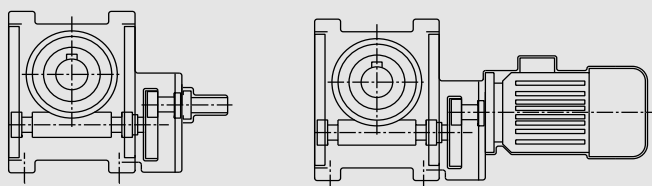
- Gear units & geared motors**
- Gear units & drives**
- Gear units with speed variators**
- Winches**
- Jacks**
- Conveyors**



**Serie "M"**

**Worm single stage gear units and geared motors  
 "Ч, 2Ч, МЧ, ЧФ, 2ЧФ, МЧФ"**

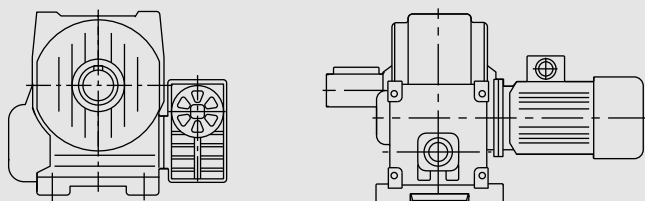
Center distance, mm	31,5...500
Output torque, Nm	2,2...33000
Reduction ratio	4...80
Output speed, min <sup>-1</sup>	9...375
Power, kW	0,06...200



**Serie "M"  
 Serie "M<sub>3</sub>"**

**Helical-worm double stage gear units and geared motors  
 "ЦЧ, МЦЧ, ЦЧФ, МЦЧФ"**

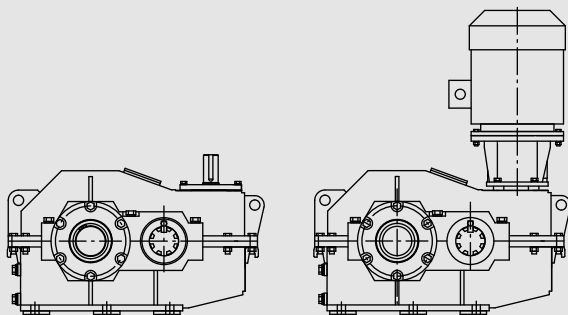
Center distance, mm	40...160
Output torque, Nm	36...4160
Reduction ratio	16...400
Output speed, min <sup>-1</sup>	1,875...93,75
Power, kW	0,04...20,18



**Serie "M"  
 Serie "M<sub>3</sub>"**

**Worm double stages gear units and geared motors  
 "Ч2, МЧ2, Ч2Ф, МЧ2Ф"**

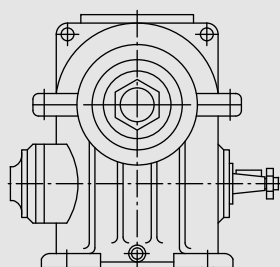
Center distance, mm	31,5...500
Output torque, Nm	7...62800
Reduction ratio	16...6400
Output speed, min <sup>-1</sup>	0,11...94
Power, kW	0,06...132



**Serie "C"  
 К**

**Worm-helical gear units and geared motors  
 "ЧЦ, ЧЦ2, МЧЦ, МЧЦ2"**

Center distance, mm	125...500
Output torque, Nm	1650...41000
Reduction ratio	20...800
Output speed, min <sup>-1</sup>	0,94...75
Power, kW	0,55...315



**Serie "M"**

**Globoidal gear unit for lifts  
 "РГЛ, РГСЛ, РГС, РГ"**

Center distance, mm	160...240
Output torque, Nm	1300...6500
Reduction ratio	10...65

# GEAR UNITS & GEARED MOTORS

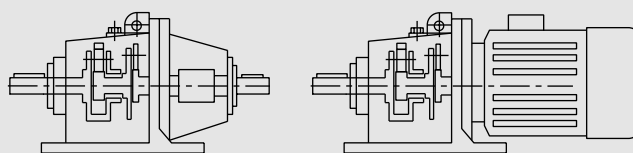
MODERNIZED



## Planetary single-, double-, triple stage gear units and geared motors

“3П, 3МП”

Radius of axes of planet gears, mm	25...160
Output torque, Nm	16000
Reduction ratio	4...400
Output speed, min <sup>-1</sup>	1,9...375
Power, kW	315

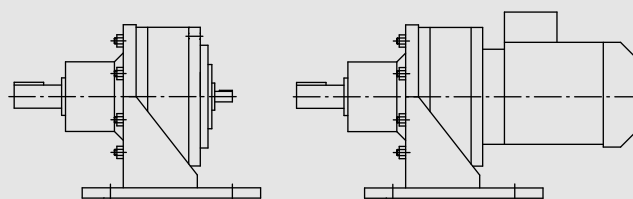


Serie “M”

## Cycloidal single-, double stage gear units and geared motors

“ПЦ, МПЦ”

Output torque, Nm	3,36...68200
Reduction ratio	3...731
Output speed, min <sup>-1</sup>	1,89...473
Power, kW	0,036...175

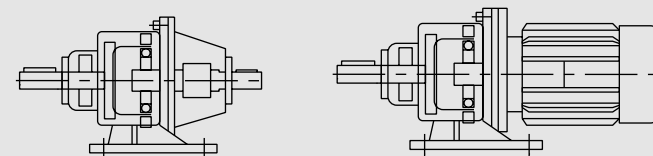


Serie “New”

## Harmonic gear units and geared motors

“2B3, 3B3, 2MB3, 3MB3”

Diameter of bearing, mm	50...315
Output torque, Nm	33...4500
Output speed, min <sup>-1</sup>	16...18
Power, kW	0,09...11

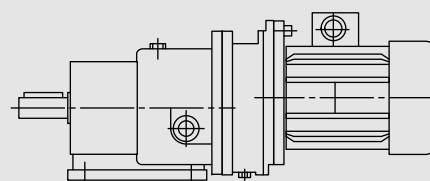


Serie “T”

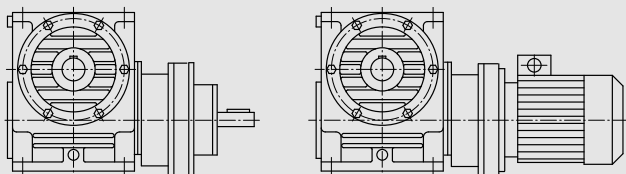
## Helical-harmonic gear units and geared motors

“2МЦВ3, 3МЦВ3”

Diameter of bearing, mm	50...315
Output torque, Nm	33...4500
Output speed, min <sup>-1</sup>	2,3...16
Power, kW	0,09...1,5



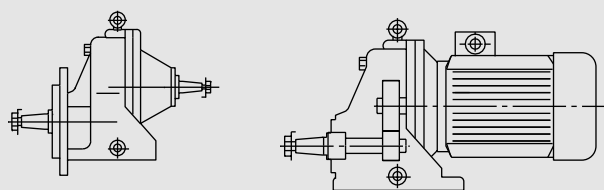
Serie “M”



**Serie "M"**  
**Serie "M<sub>3</sub>"**

**Planetary-worm gear units and geared motors**  
**"ПЧ(Ф), МПЧ(Ф)"**

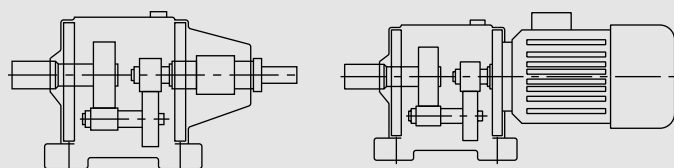
Center distance, mm	40...500
Output torque, Nm	77000
Reduction ratio	16...4000
Output speed, min <sup>-1</sup>	0,2...93,8
Power, kW	110



**Serie "M"**

**Helical single stage gear units and geared motors**  
**"Ц(Ф), МЦ(Ф)"**

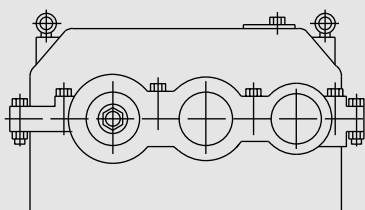
Center distance, mm	40...250
Output torque, Nm	5600
Reduction ratio	1,6...5
Output speed, min <sup>-1</sup>	224...450
Power, kW	300



**Serie "M"**

**Coaxial helical double-, triple stage gear units**  
**and geared motors**  
**"Ц2С(Ф), Ц3С(Ф)"**

Center distance, mm	40...250
Output torque, Nm	7200
Reduction ratio	8...125
Output speed, min <sup>-1</sup>	5,6...200
Power, kW	142



**Serie "M"**

**Helical horizontal gear units with**  
**Wildgaber-Novikov gearing**  
**"Ц2У, Ц3У, Ц2Н, ЦТНД, ЦДН"**

Center distance of output stage, mm	100...710
Output torque, Nm	100000
Reduction ratio	8...200

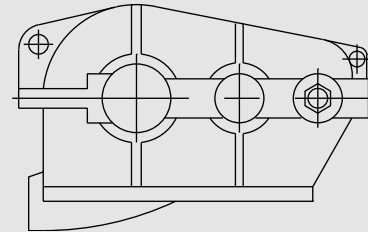
# GEAR UNITS & GEARED MOTORS

## MODERNIZED



### Helical horizontal gear units and geared motors “Ц2, РМ, РЦД, ГПШ”

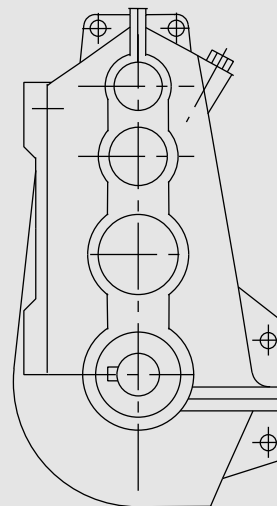
Center distance, mm	250...1000
Output torque, Nm	186000
Reduction ratio	8...50



Serie “M”

### Helical vertical gear units “В, ВК, ВКУ”

Center distance, mm	100...965
Output torque, Nm	27200
Reduction ratio	10...140



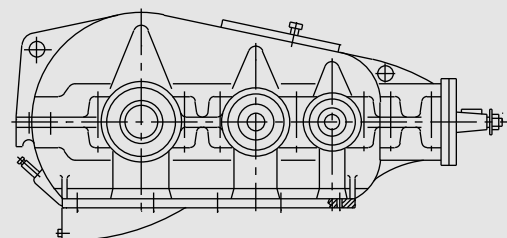
Serie “M”

### Helical vertical triple stage gear unit “A-400”

Center distance summary, mm	400
Output torque, Nm	2450
Reduction ratio	20...63
Input speed, min <sup>-1</sup>	1500

### Bevel helical horizontal double-, triple stage gear units “КЦ1, КЦ2”

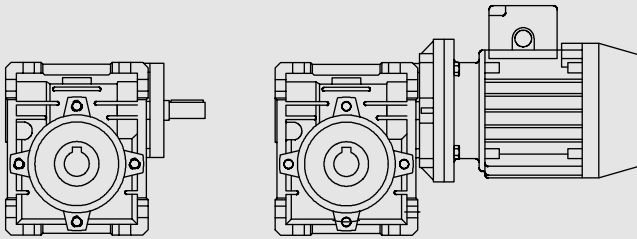
Center distance, mm	200...1300
Output torque, Nm	38700
Reduction ratio	6,3...180



Serie “M”

## GEAR UNITS & GEARED MOTORS

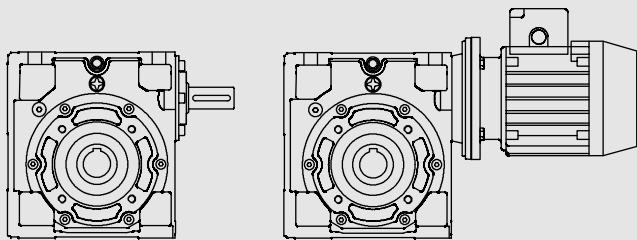
### SERIE ES



**Serie "ES"**

#### Worm single stage gear units and geared motors with aluminum box "5Ч-ES-Л, 5ЧФ-ES-Л, 5МЧ-ES-Л, 5МЧФ-ES-Л"

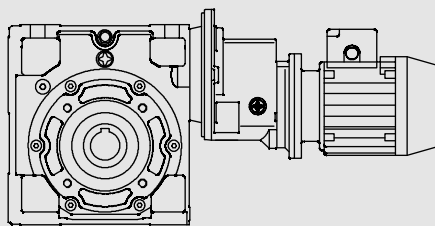
Center distance, mm	30...61
Output torque, Nm	1,8...198
Reduction ratio	5...100
Output speed, min <sup>-1</sup>	6,8...280
Power, kW	0,05...1,5



**Serie "ES"**

#### Worm single stage gear units and geared motors with cast iron box "5Ч-ES, 5ЧФ-ES, 5МЧ-ES, 5МЧФ-ES"

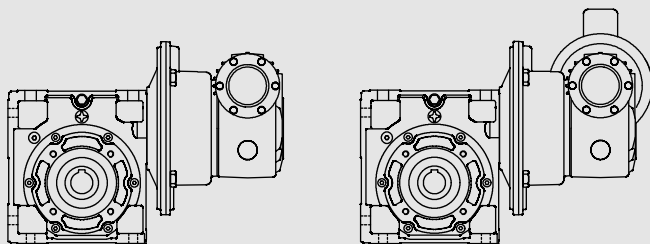
Center distance, mm	40...130
Output torque, Nm	1,8...1434
Reduction ratio	5...100
Output speed, min <sup>-1</sup>	6,8...292
Power, kW	0,061...18,5



**Serie "ES"**

#### Helical-worm double stage gear units and geared motors "5МЦЧ-ES, 5МЦЧФ-ES"

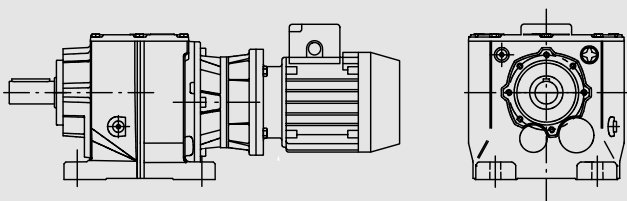
Center distance, mm	40...110
Output torque, Nm	14...555
Output speed, min <sup>-1</sup>	1,5...35
Power, kW	0,061...0,37



**Serie "ES"**

#### Worm double stage gear units and geared motors "5Ч2-ES, 5Ч2Ф-ES, 5МЧ2-ES, 5МЧ2Ф-ES"

Center distance of output stage, mm	40...130
Output torque, Nm	24...2510
Reduction ratio	25...10000
Output speed, min <sup>-1</sup>	0,1...55
Power, kW	0,002...4



**Serie "ES"**

#### Coaxial helical double-, triple stage gear units and geared motors "6Ц2(3)С-ES, 6Ц2(3)СФ-ES, 6МЦ2(3)С-ES, 6МЦ2(3)СФ-ES"

Center distance of output stage, mm	40...125
Output torque, Nm	3,1...1125
Reduction ratio	3,768...209,97
Output speed, min <sup>-1</sup>	6,7...377
Power, kW	0,122...9,2

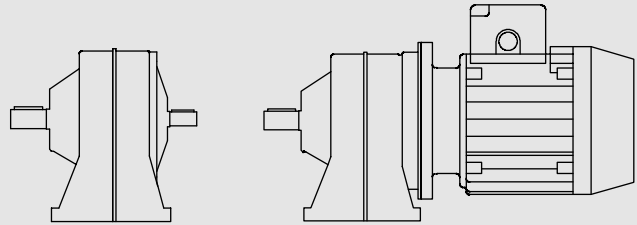
# GEAR UNITS & GEARED MOTORS

## SERIE ES



### Coaxial helical double-, triple stage gear units and geared motors “5Ц2(3)C-ES, 5Ц2(3)CФ-ES, 5МЦ2(3)C-ES, 5МЦ2(3)CФ-ES”

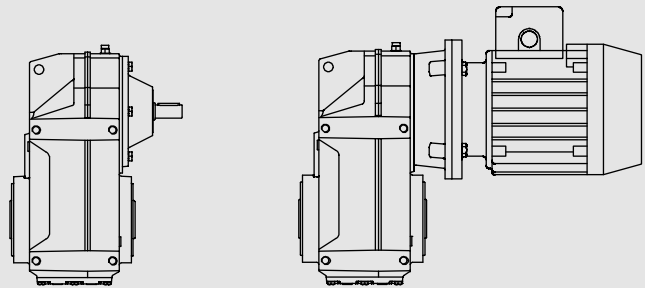
Center distance of output stage, mm	40...250
Output torque, Nm	0,87...10380
Reduction ratio	2,1...527,1
Output speed, min <sup>-1</sup>	1,3...318
Power, kW	0,061...173



Serie “ES”

### Shaft mounted helical double-, triple stage gear units and geared motors “5Ц2(3)B(Ф)-ES, 5МЦ2(3)B(Ф)-ES”

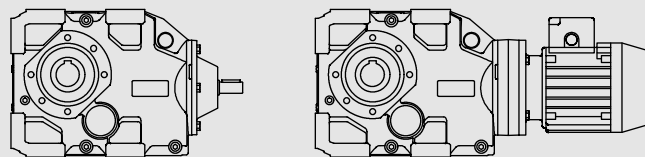
Center distance of output stage, mm	30...90
Output torque, Nm	3,5...12855
Reduction ratio	4,2...337,92
Output speed, min <sup>-1</sup>	2,5...361
Power, kW	0,092...97



Serie “ES”

### Bevel helical gear units and geared motors “5ЦКЦ(Ф)-ES, 5МЦКЦ(Ф)-ES”

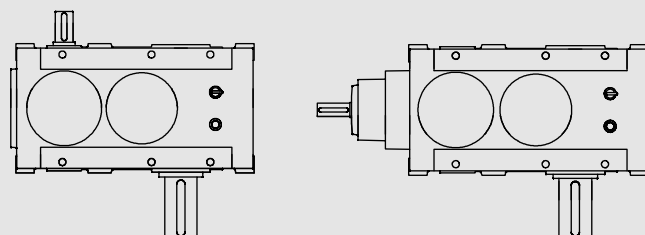
Center distance of output stage, mm	30...90
Output torque, Nm	5...12674
Reduction ratio	6,07...209,22
Output speed, min <sup>-1</sup>	3,3...231
Power, kW	0,092...74



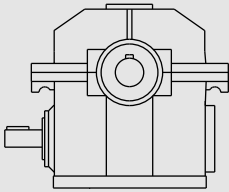
Serie “ES”

### Helical and bevel helical gear units TANDEM “5Ц(Ф)-ES, 5КЦ(Ф)-ES”

Center distance of output stage, mm	30...90
Output torque, Nm	5500...40400
Reduction ratio	1,25...710
Power, kW	3,9...3150



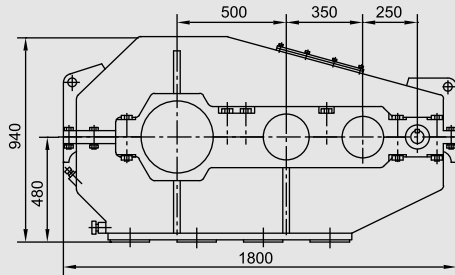
Serie “ES”



### Special globoidal gear unit

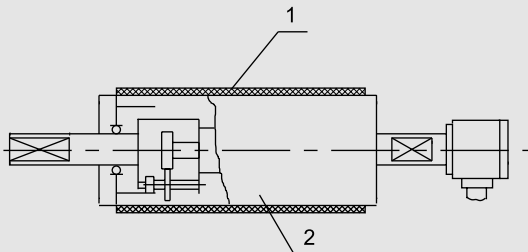
For rolling mills

Center distance, mm	180...630
Output torque, Nm	80000
Reduction ratio	10...63



### Helical triple stage gear unit "ЦТН-1100"

Output torque, Nm	23850
Reduction ratio	77,5
Input speed, min <sup>-1</sup>	1000



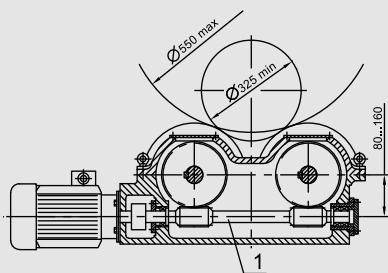
### Drum motors "МБ"

Are used as compact drives for belt conveyors

Drum diameter, mm	160; 220; 320; 420
Drum speed, min <sup>-1</sup>	45...140
Circumferential speed of drum, m/c	0,5...2,9
Power, kW	15
Voltage, V	220; 380

Note: we can manufacture the drum motors with input data of customer.

- 1 - conveyor belt;
- 2 - drum motors.

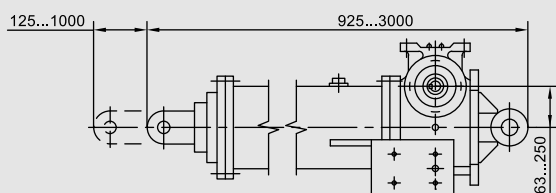


### Duplex worm drives

Are used for rotation tube at quality control weld

Center distance, mm	80...160
Reduction ratio	25...40
Power, kW	1,5...3

- 1 - double worm.



### Worm-screw drives

Are used as drives for gates, hatch, latch, bar, and other

Center distance, mm	63...250
Houling capacity of push-rod, N	5000...100000

# GEAR UNITS & DRIVES

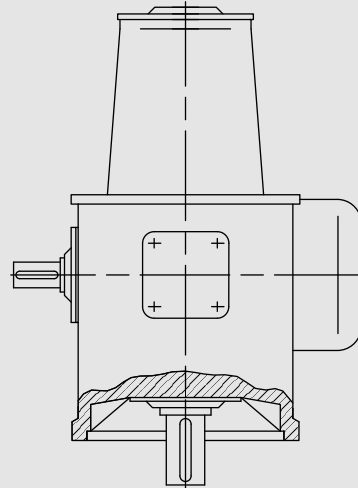
## SPECIAL



### Worm single stage gear units and geared motors for mixers

Have special forced bearing box of output shaft

Center distance, mm	80...400
Output torque, Nm	190...12000
Reduction ratio	5...63
Output speed, min <sup>-1</sup>	11,9...300
Power, kW	0,75...132



### Helical-worm double stage gear units and geared motors for mixers

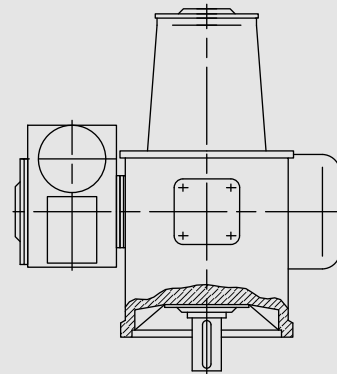
Have special forced bearing box of output shaft

Center distance of output stage, mm	80...400
Output torque, Nm	200...24900
Reduction ratio	16...250
Output speed, min <sup>-1</sup>	3...94
Power, kW	0,12...110

### Worm double stage gear units and geared motors for mixers

Have special forced bearing box of output shaft

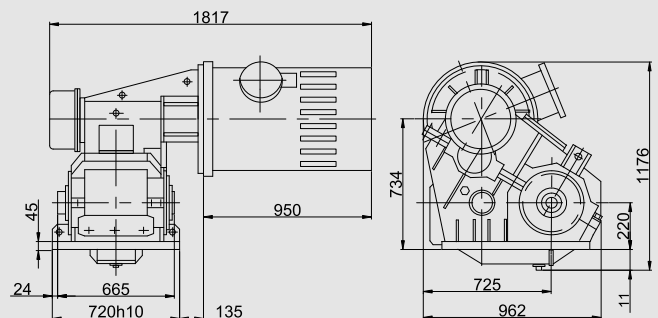
Center distance of output stage, mm	100...400
Output torque, Nm	700...41400
Reduction ratio	315...3150
Output speed, min <sup>-1</sup>	0,24...4,76
Power, kW	0,12...18,5

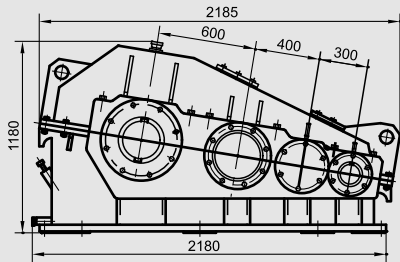


### Tube rotation drive for horizontal drilling unit

Helical special geared motor with internal brake and electric drive with frequency speed control

Output torque, Nm	11800
Range of output speed, min <sup>-1</sup>	0...58
Power, kW	75
Axial load on output shaft, kN	1472

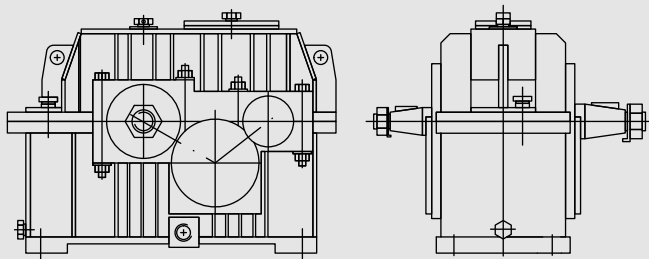




**Serie "M"**

**Helical triple stage gear unit "PЦШ-1300"**

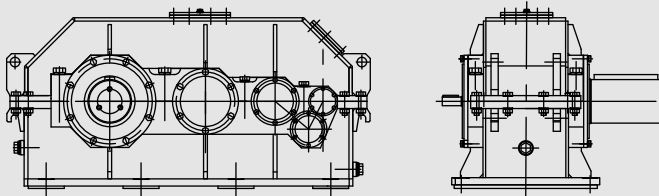
Output torque, Nm	38960
Reduction ratio	35,5
Input speed, min <sup>-1</sup>	750



**Serie "M"**

**Special helical horizontal double stage gear unit "Ц2ГС-270"**

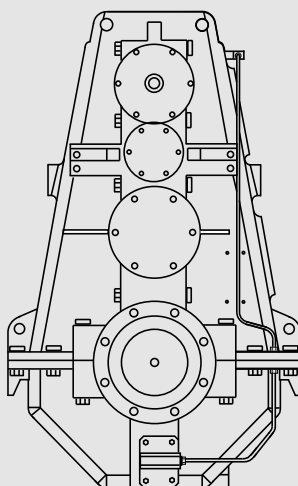
Output torque, Nm	1650
Reduction ratio	1,3



**Serie "M"**

**Helical four stage gear unit "PЦШ4-550" with herringbone gearing**

Output torque, Nm	100000
Reduction ratio	315



**Serie "M"**

**Helical vertical triple stage gear unit "Ц3BH-400"**

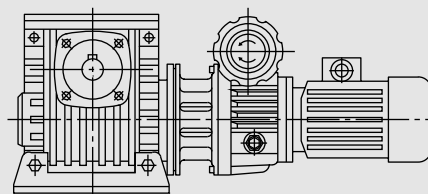
Output torque, Nm	13000
Reduction ratio	183,7

# GEARED MOTORS WITH SPEED VARIATORS



## Worm geared motors with speed variators "МВЧ"

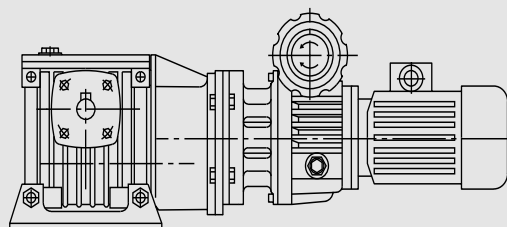
Center distance, mm	31,5...500
Power, kW	0,18...9,2
Range of controlling	5,4...6,6
Output speed, min <sup>-1</sup>	min 1,0...25 max 12,5...125
Control	manual



Serie "M"

## Helical-worm geared motors with speed variators "МВЦЧ"

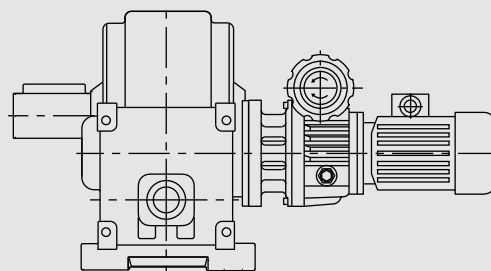
Center distance, mm	31,5...500
Power, kW	0,18...9,2
Range of controlling	3,5; 5,3; 5,8
Output speed, min <sup>-1</sup>	min 0,68...10,6 max 4...62,5
Control	manual



Serie "M"

## Worm double stage geared motors with speed variators "МВЧ2"

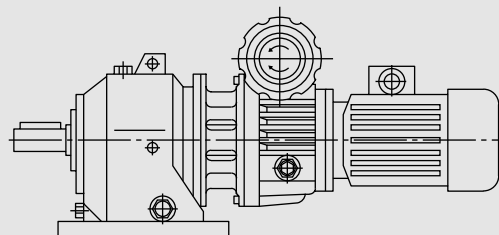
Center distance of output stage, mm	63...500
Power, kW	0,18...9,2
Range of controlling	3,5; 5,3; 5,8
Output speed, min <sup>-1</sup>	min 0,05...2,7 max 0,25...15,9
Control	manual



Serie "M"

## Planetary geared motors with speed variators "МВП"

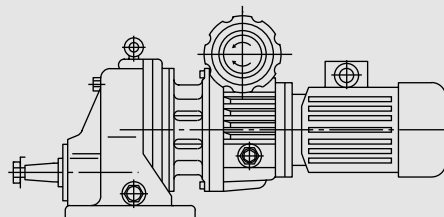
Radius of axes of planet gears, mm	25...125
Power, kW	0,18...9,2
Range of controlling	5,2
Output speed, min <sup>-1</sup>	min 1...30 max 4...186
Control	manual



Serie "M"

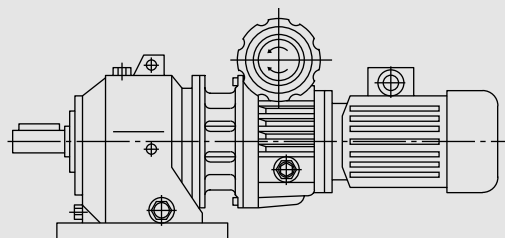
## Helical single stage geared motors with speed variators "МВЦ"

Center distance, mm	40...250
Power, kW	0,18...9,2
Range of controlling	5,2
Output speed, min <sup>-1</sup>	min 25,4...57 max 149...300
Control	manual



Serie "M"

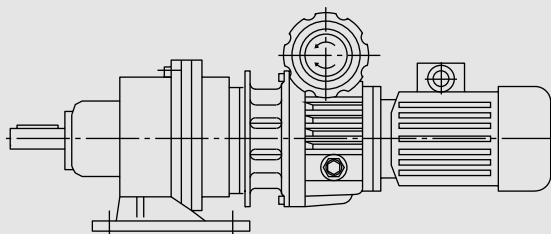
## GEARED MOTORS WITH SPEED VARIATORS



**Serie "M"**

### Coaxial helical double-, triple stages geared motors with speed variators "MBЦ2C, MBЦ3C"

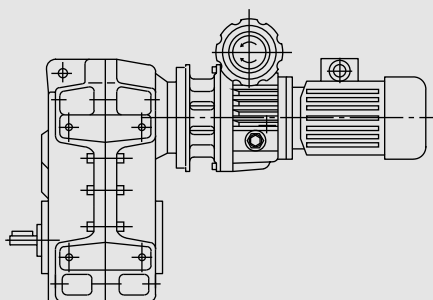
Center distance, mm	25...250
Power, kW	0,18...9,2
Range of controlling	5,2
Output speed, min <sup>-1</sup>	min 6,3...22,8 max 28...120
Control	manual



**Serie "M"**

### Harmonic geared motors with speed variators "MBB3"

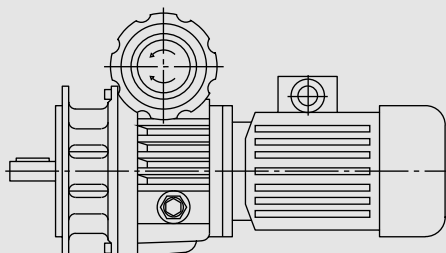
Diameter of flexible gear, mm	50...315
Power, kW	0,18...5,5
Range of controlling	3,5; 5,3; 5,8
Output speed, min <sup>-1</sup>	min 1,36...2,1 max 8...12,5
Control	manual



**Serie "M"**

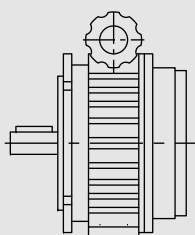
### Helical vertical double-, triple stages geared motors with speed variators "MBЦ2B, MBЦ3B"

Center distance, mm	63...250
Power, kW	0,18...5,5
Range of controlling	3,5; 5,3; 5,8
Output speed, min <sup>-1</sup>	min 1,36...5,4 max 40...125
Control	manual



### Planetary-friction gear speed variators "MB"

Power, kW	0,15...9,2
Range of controlling	3,5; 5,2; 5,3; 5,8
Output speed, min <sup>-1</sup>	min 170; 190; 270 max 880; 950; 1000
Control	manual



### Planetary-friction speed variators TKF, TXF (Bonfiglioli)

Power, kW	0,15...9,2
Range of controlling	5,2
Control	manual

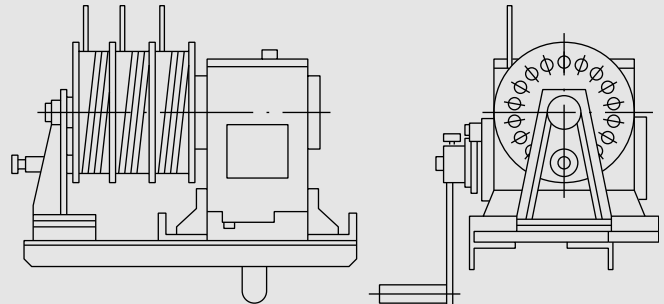
# HOISTS MANUAL



## Manual hoists “ЛРЧ”

### Based on worm gear units

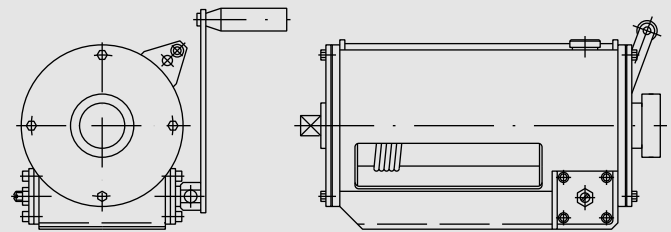
Houling capacity, kN	1,0...6,0
Diameter of rope, mm	3,3...6,9
Rope capacity, m	7..120
Mass (without rope), kg	38...75



## Manual hoists “ЛРЧ”

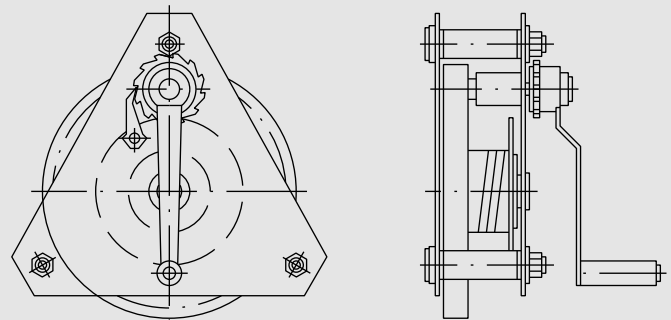
### Based on worm gear units

Houling capacity, kN	3,0	6,0
Diameter of rope, mm	5,1	6,9
Rope capacity, m	20...45	20...45
Mass (without rope), kg	21...24	32...37



## Manual hoists, wall mounted “ЛРН”

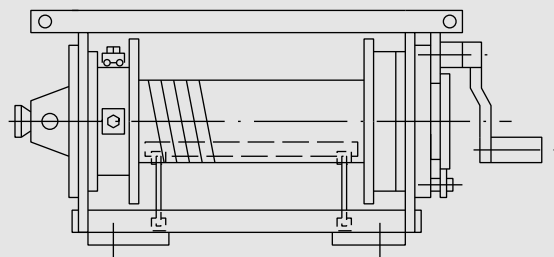
Houling capacity, kN	4,0	5,0
Diameter of rope, mm	6,2	6,9
Rope capacity, m	10	12
Mass (without rope), kg	18	24

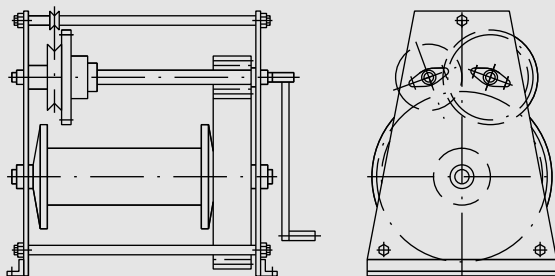


## Manual hoists ЛРП

### Based on planetary gear units

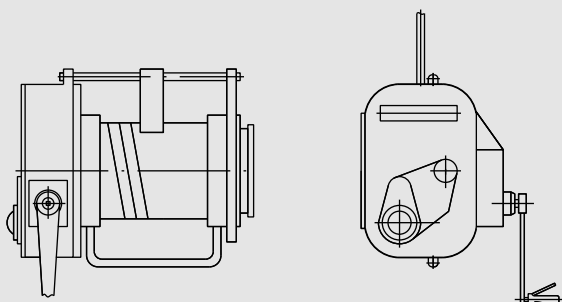
Houling capacity, kN	15,0; 30,0
Diameter of rope, mm	11...16,5
Rope capacity, m	50...100
Mass (without rope), kg	120...300





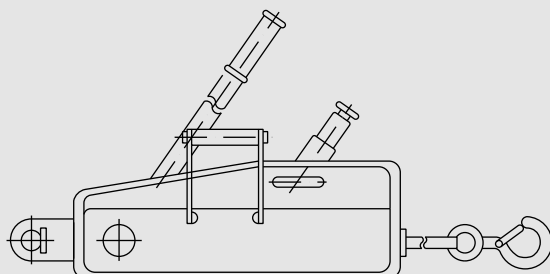
**Manual hoists**  
**“ТЛ”**

Houling capacity, kN	12,5	32,0	50,0
Diameter of rope, mm	11,0	16,5	21,0
Rope capacity, m	50	50	75
Mass (without rope), kg	150	230	470



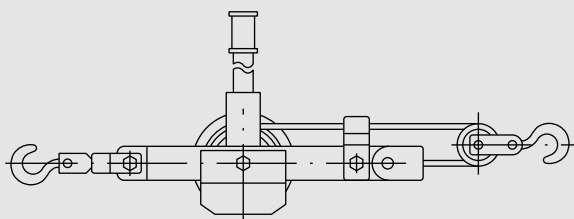
**Manual hoists**  
**“РЛ”**

Houling capacity, kN	5,0	15,0
Diameter of rope, mm	5,1	9,9
Rope capacity, m	15	45
Mass (without rope), kg	15	73



**Manual come-along**  
**“MTM “**

Houling capacity, kN	16,0 ;	32,0
Diameter of rope, mm	12,5;	16,0
Rope capacity, m		12...30



**Manual come-along**  
**“ЛР”**

Houling capacity, kN	6,0	12,0
Diameter of rope, mm	5,1	5,1
Rope capacity, m	4,0	1,9
Mass (without rope), kg	4,0	4,0

# ELECTRIC WINCHES

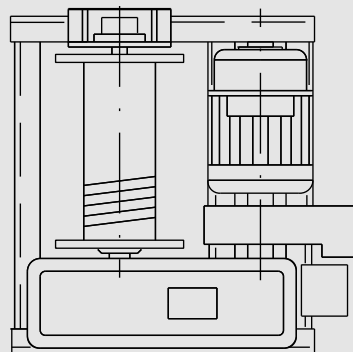
TYPICAL



## Electric winches “ЛЭЦ”

Based on cylindrical gear units with additional support of drum

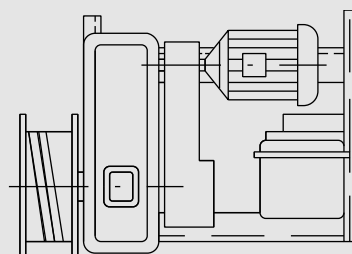
Houling capacity, kN	5,0...120,0
Diameter of rope, mm	6,9...32,5
Rope capacity, m	7...250



## Electric winches “ЛЭЦ”

Based on cylindrical gear units with cantilever drum

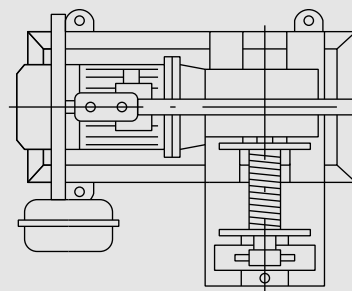
Houling capacity, kN	4,2
Diameter of rope, mm	6,9
Rope capacity, m	80



## Electric winches “ЛЭЧ”

Based on worm gear units with additional support of drum

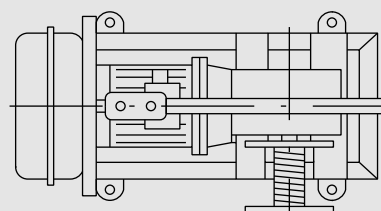
Houling capacity, kN	1,0...15,0
Diameter of rope, mm	3,3...12,0
Rope capacity, m	7...250



## Electric winches “ЛЭЧ”

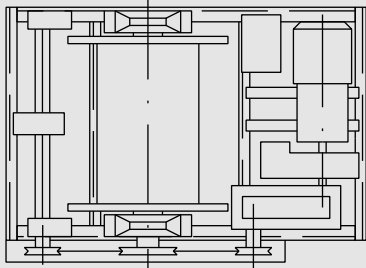
Based on worm gear units with cantilever drum

Houling capacity, kN	1,0...10,0
Diameter of rope, mm	3,3...12,0
Rope capacity, m	7...40



# ELECTRIC WINCHES

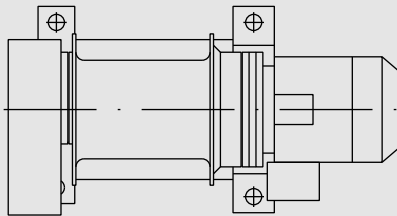
*SPECIAL*



## Electric winches for cable reeling "ЛЭЦ"

Based on cylindrical gear units

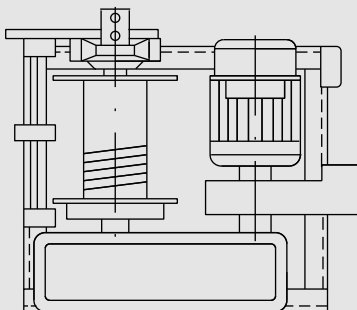
Houling capacity, kN	1,0...6,0
Diameter of rope, mm	6...12
Rope capacity, m	3000



## Electric winches for cable reeling "ЛЭП"

Based on cylindrical gear units

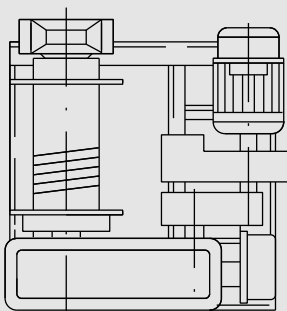
Houling capacity, kN	1,0...6,5
Diameter of rope, mm	6...12
Rope capacity, m	80



## Electric winches with drum tripping gear "ЛЭО"

Based on cylindrical gear units

Houling capacity, kN	20,0
Diameter of rope, mm	13
Rope capacity, m	100



## Electric winches with reduced speed of rope reeling "ЛЭЦ"

Based on cylindrical gear units

Houling capacity, kN	5,0...120,0
Diameter of rope, mm	6,9...32,5
Rope capacity, m	20...200

# ELECTRIC WINCHES

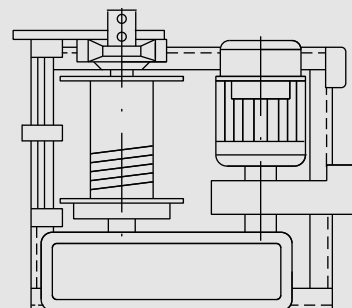
**MODERNIZED**



## Electric winches with line spooler "ЛЭЦ"

Based on cylindrical gear units with additional drum support

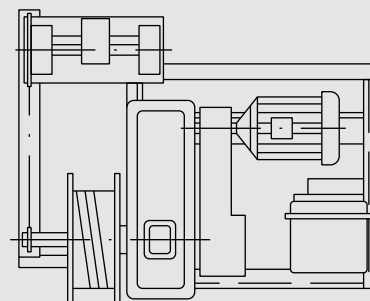
Houling capacity, kN	5,0...80,0
Diameter of rope, mm	6,9...32,5
Rope capacity, m	15...400



## Electric winches with line spooler "ЛЭЦ"

Based on cylindrical gear units with cantilever drum

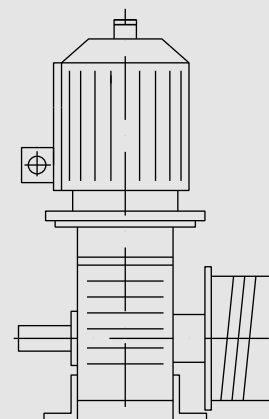
Houling capacity, kN	4,2
Diameter of rope, mm	6,9
Rope capacity, m	60



## Electric winches with manual drive for emergency stopping "ЛЭЧ"

Based on worm gear units with cantilever drum

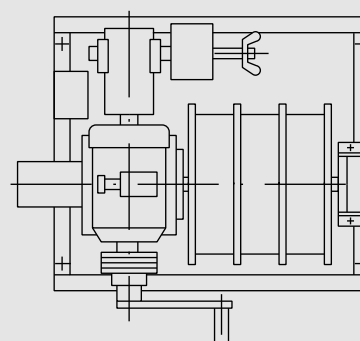
Houling capacity, kN	1,0...10,0
Diameter of rope, mm	3,3...12,0
Rope capacity, m	7...40

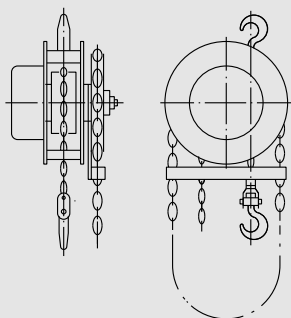


## Electric winches with manual drive for emergency stopping "ЛЭЧ"

Based on worm gear units

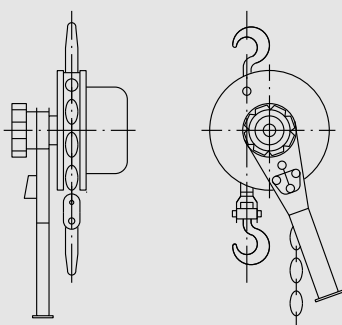
Houling capacity, kN	1,0...10,0
Diameter of rope, mm	3,3...11
Rope capacity, m	7...200





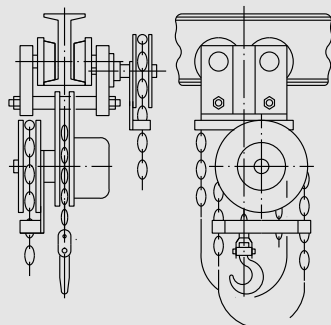
**Manual pinion stationary jacks  
 “ТРШС”**

Lifting capacity, t	0,5...5
Lifting height, m	3...12
Houling capacity, kg	16...50



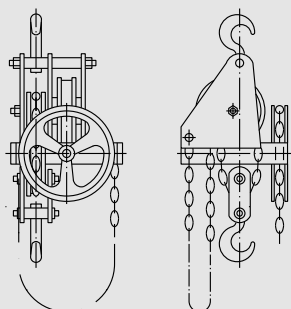
**Manual pinion come-along  
 “ТРШР”**

Lifting capacity, t	0,5...3,2
Lifting height, m	3...12
Houling capacity, kg	5,5...8



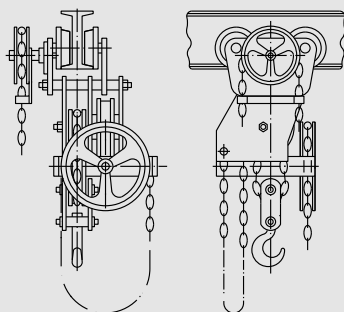
**Manual pinion portable jacks  
 “ТРШП”**

Lifting capacity, t	0,5...3,2
Lifting height, m	3...12
Houling capacity, kg	18...34



**Manual worm stationary jacks  
 “ТРЧС”**

Lifting capacity, t	1...8
Lifting height, m	3...12
Houling capacity, kg	35...75



**Manual worm portable jacks  
 “ТРЧП”**

Lifting capacity, t	1...8
Lifting height, m	3...12
Houling capacity, kg	35...75

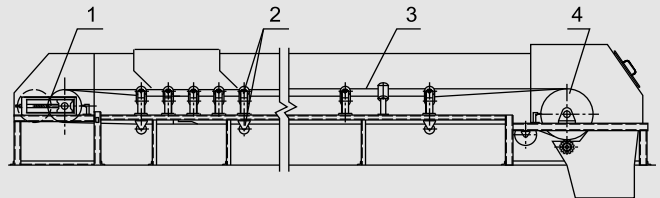
# CONVEYORS



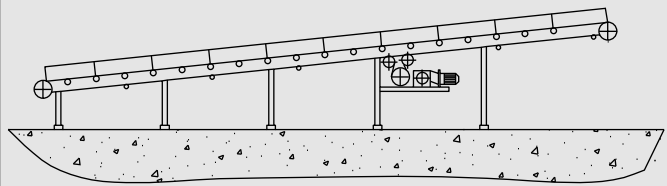
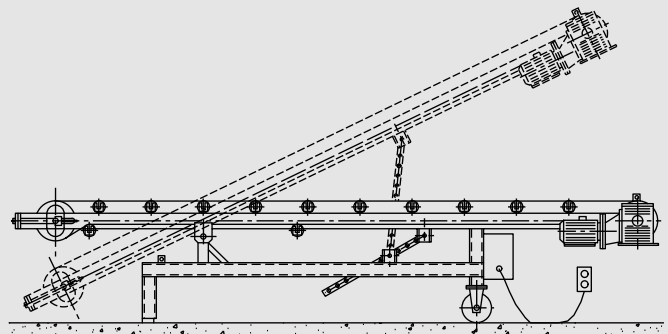
## Belt conveyors

Efficiency, t/h  
Belt width, mm  
Belt length, m  
Belt speed, m/c

from 3,5  
400...1200  
3,5...150  
0,28...1,2



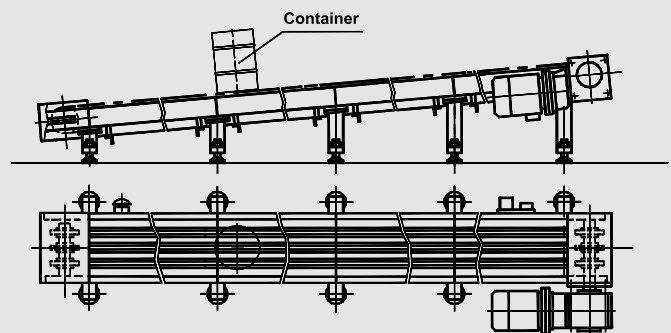
- 1 - screw stratcher;
- 2 - roll support;
- 3 - belt;
- 4 - driving drum.



## Chain conveyors

Efficiency, t/h  
Belt length, m  
Belt speed, m/c

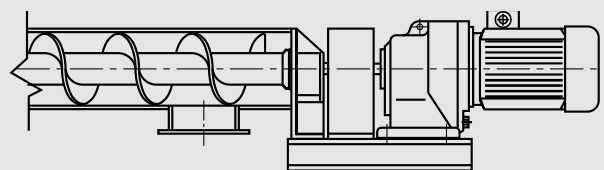
75,6  
12  
0,4



## Screw conveyors

Efficiency, m<sup>3</sup>/h  
Diameter screw, mm  
Belt length, m

from 0,5  
200...500  
1...40

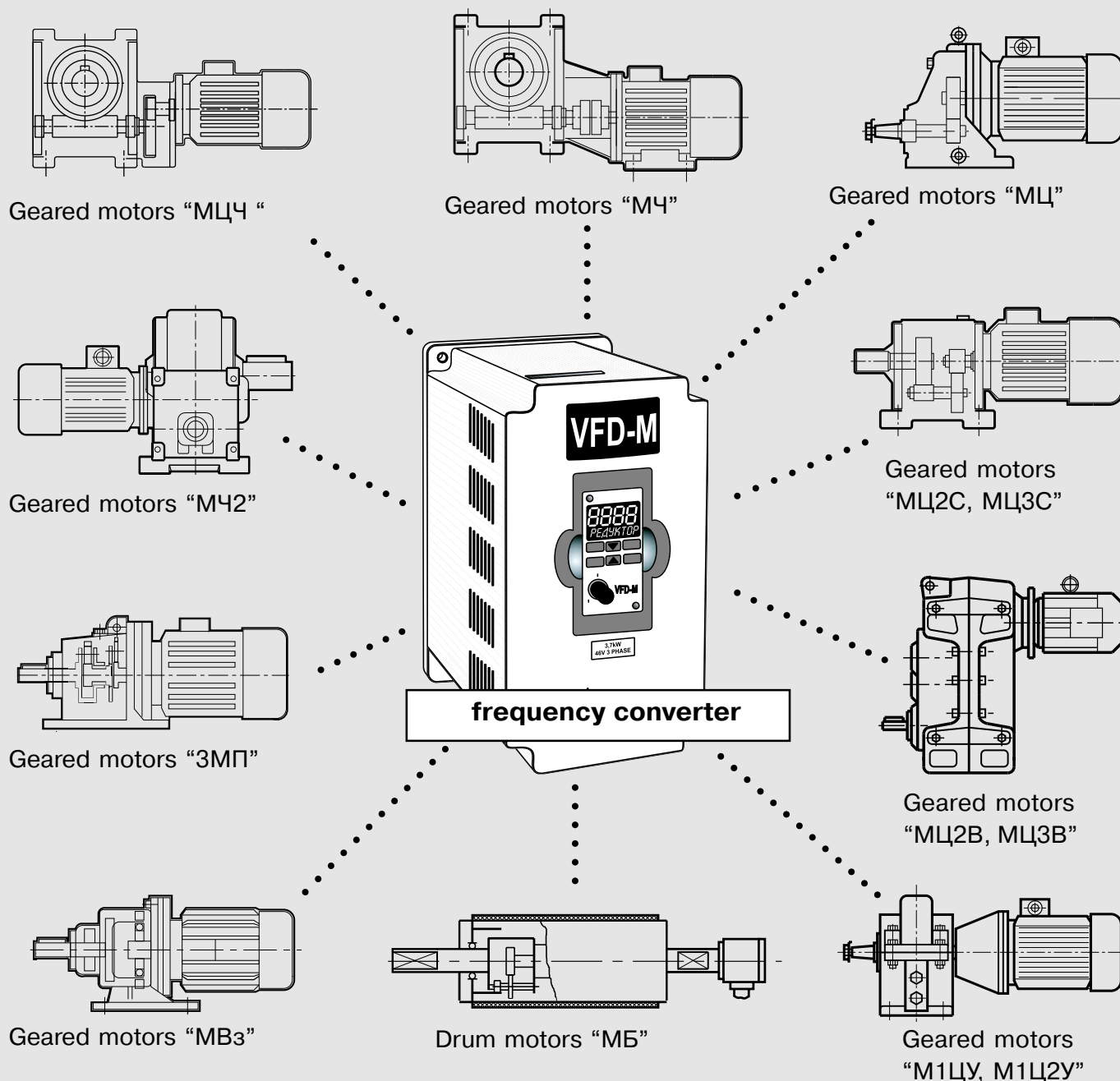


## DRIVES WITH FREQUENCY CONVERTERS

Application of motor reducers and drives together with frequency converters ensures both smooth and grade control of shaft rotation frequency for asynchronous motor and the output shaft of drive in large range of values. The frequency converters also guarantee smooth start, stop and emergency overload protection of the drive. We recommend to use motor reducers, motor-drums and other drives, given in this catalogue, with

frequency converters of well-known companies, such as *DELTA ELECTRONICS Inc*, *CONTROL TECHNIQUES*, *LENZE*, *ADLEE*, *TAIAN ELECTRIC Inc*, *VACON*, *LG INDUSTRIAL SYSTEMS*.

The electric safety, electromagnet and ecological compatibility of the offered converters are certified for compliance with Russian Federation requirements.



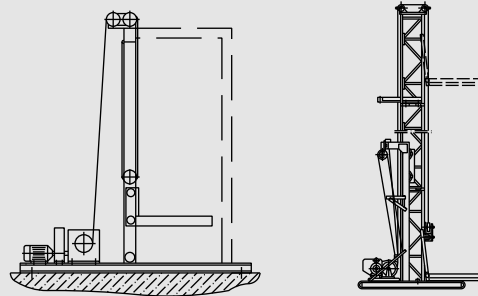
## OTHER PRODUCTS



### Elevators

Lifting capacity, kg  
Lifting height, m

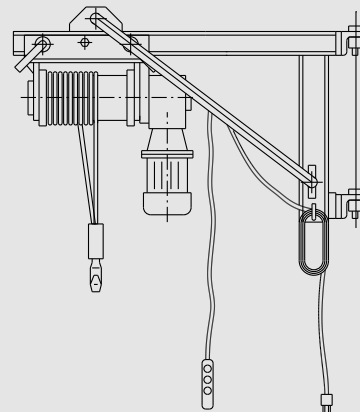
200...1000  
2...15



### Beam cranes

Lifting capacity, kg  
Power, kW

200  
до 0,75

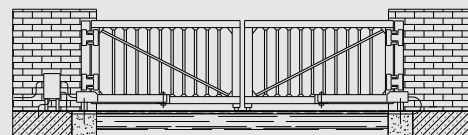
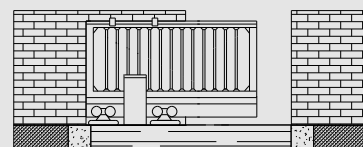


### Gate drives:

- for rolling gates
- for swinging gates

Power of electric drivers, kW  
Gate height, m  
Gate length, m

0,25...1,5  
1,5...6  
1,5...6



### Automatic barriers

Power of electric drivers, kW  
Crossbeam length, m

0,25  
3...7,2

