

Crane Components

Crane Kits Electric Wire Rope Hoists Electric Chain Hoists Spare Parts

Crane ComponentsMain Products Outline

Arguably the most reliable rope hoist





55 Years Experience in the Development and Production of Hoisting Equipment

Podem is one of the world's leading suppliers

of complete range of crane components to all sized independent crane manufacturers around the world

Timeline



April 1, 1961

The official establishment of Podem.

The Bulgarian based state owned production company was created to supply the crane industries in European countries with electrical wire rope hoists.



1981

Podem became the biggest hoists manufacturer worldwide. Production capacity reached 100,000 wire rope hoists per year. Podem created distributions in more than 70 countries around the world represented by its commercial structures Balkancarpodem and other Podem brand names.

The former state owned company was fully privatized. The new company Podemcrane AD

– the successor of Podem, started operation

and continued to promote the Podem brand

along with the new one Podemcrane.

By using Podem's products you will get:

- Quality products in full compliance with the International standards
- Highest possible reliability level offered in the industry as a result of very big experience in product design, modern production organization and strict quality control
- Competitive prices for standard and non-standard hoists and crane kits
- Up-to-date technical characteristics of the products thanks to our close connection with our distributors and knowledge of the markets
- Different lifting solutions matching your individual needs thanks to experienced team of mechanical and electrical engineers and flexible organization
- Full range of spare parts not only for the existing models but also for all products produced in the past
- Marketing support



2018

2001

The company is the biggest crane component manufacturer in CEE and has remained at the forefront of technological developments in the industry. 30 000 sq.m high-tech production factory with modern equipment located in EU. Sales of hundred standard products in more than 55 markets.



Thanks to our 55 years experience

in the development and production of hoisting equipment Podem can deliver high quality reliable products at most competitive price

Main Products



Special Solutions

Podemcrane offers also advanced engineering for custom made solutions in various industries:

- Hoist and end-carriages up to 100 t
- Various power supply
- Ability to operate in various environmental conditions and climatic zones:
 - Cold: up to −40 °C
 - Tropical or Hot climate: up to +50 °C
- · Curved monorail trolley
- Radio controlled and tandem
- Frequency controlled speed
- Besides the standard type the trolley can be designed for 2 hoists with same or different capacities
- Components for ladle, galvanized, chemical or food industry







Wire Rope Hoists and Trolleys

The range provides solutions for new industrial cranes or replacement applications.
Standard technical features:

- Monorail or double girder hoist
- Standard capacity: from 1 to 50 t
- FEM group: 1 Am 3 m Advantages:
- Highest possible reliability levels offered in the industry
- Operational safety
- · Long life
- Excellent price/performance ratio
- Easy maintenance
- Low service costs

End Carriages

Podemcrane manufactures end carriages for single or double girder cranes. We can support individual design for different crane manufacturers.

Standard technical features:

- Type: Overhead, Gantry or Underslung cranes
- Standard capacity: from 1 to 50 t
- Span: up to 32 m
- Wheel diameter: up to 500 mm

Motor-reducers (Crane Drives)

Developed for driving of travel mechanisms for material handling equipment (trolleys, cranes, etc.).

Standard technical features:

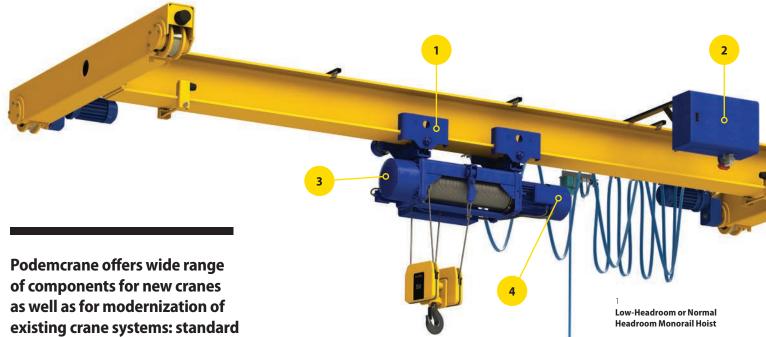
- From 0,37 to 3 kW
- Wheel diameter from 125 to 500 mm

Chain Hoists

Comprehensive range with compact design, superior quality and high standard of safety. Standard technical features:

Capacity: from 125 to 5 000 kg

Crane Kits for Single or Double Girder Cranes



Components can be individually engineered to suit different requirements. All our products and components are designed, engineered and manufactured in Europe, comply with the European standards and bear the CE mark.

and custom-built cranes.

Podemcrane crane components follow latest innovations in the field of crane building using 55-years experience and know-how of worldwide partners.

Single Girder Cranes

Compact construction allowing maximum utilization of room height:

- Overhead, Suspended or Gantry Crane kits
- Standard capacity: 1 16 t
- Standard span: 5 32 m

Plug&Play Assembly

Quick Plug in connector, all cables are with plugs and labeled connections.

Lifting Reducer

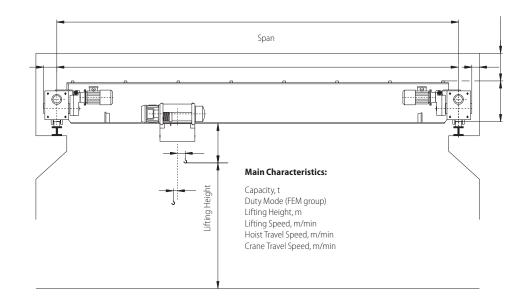
Planetary gearboxes developed specially for lifting mechanism offer high reliability and compact size. Lubricated for life for minimum maintenance.

Lifting Motor

Cylindrical or Conical. Dual or Single speed. Optional inverter control for smooth acceleration of lifting speed. Overheat protection prevents motor's damage.

Radio Remote Control or Independent Pendant

It is a reliable model with compactsize, ergonomic handsets, safety functions and easy installation. Back-up pendant (connected to the control panel) is very reliable, with ergonomic compact design and easy for handling and operation.



Standard Podem Crane Kits:

- Hoist unit including trolley mechanism and electrical control panel
- · End-carriages with plates, buffers and travel drives
- Crane Control Panel
- · Control (RRC or pendant)
- · Festoon system preassembled
- Drawings for main girder fabrication
- · Accessories (lights, towing arms, panel holders, etc)

Optional Devices for Podem Crane Kit:

- Bus-bar Conductor Systems
- · Inverter control for lifting
- Anti-collision devices
- Load LED display
- Horn
- Energy drag chain
- · Crane spot lights, etc.





Travel Limit Switches Travel limit switches for cross and

long travel - pre- and limit switching in both directions of travel.

Festoon System

European made cable carrying line (in galvanized steel or in stainless steel) is a handy, efficient and safe system for electrical distribution.

Maintanence Plafform

Safety and Easy for assembling.

Double Rail Crab

With one or two lifting mechanisms.

Rope Guide

Made of tough fiber-plastic or metal guaranties reliable operation even in critical environments. Rollers mounted on anti-friction bearings allow smooth rope lead and prolong the life of the rope.

Contactor Control

The high quality contactor control for reliable performance in any conditions.

Over-load Limiter

All hoists are with overload limiter are with 2 reaction thresholds: Warning and Stop.

Optional: monitoring system or load display. Advantages for maintenance: the operating data of the hoist can be read out with a laptop.

End-carriages

End-carriages for EOT cranes with wheel diameters from 125 mm to 500 mm. Beam Connection Plates and buffer-stops are supplied as standard. End-carriages for suspension cranes – spans up to 20 m, up to 12,5 t.

Crane travel Drives

Low-maintenance drives with inverter as standard

or crane service providers.

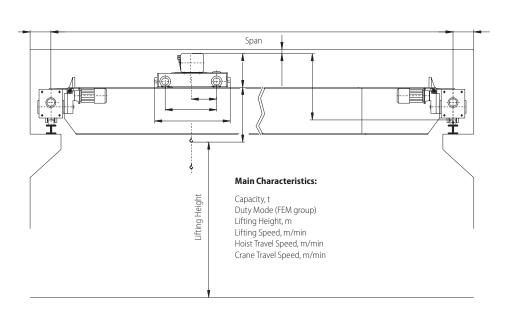
Advantages for the customer:

- Reduced transport costs
- Reduced manufacturing costs of the entire crane by using the preset components
- Reduced on-site installation time by Plug&Play Podem crane kit because of less working steps and prepared cables and connections

Double Girder Cranes

Applied when greater capacity and higher operation required. In equal conditions double girder cranes offer greater lifting heights:

- Overhead or Gantry Crane kits
- Standard capacity: 2000 50000 kg
- Standard span: 5 32 m



Other Podem Crane Components



Enclosed Conductor Systems

- Compact, reliable and safe electrical power supply
- Continuous copper conductor system: 35 320 A
- Jointed copper conductor system: 50 400 A
- Safety features complying with European Low Voltage directive 2006/95/EC
- IP23/IP44 protection class possible
- Modular concept and easy mounting
- High grade 99,9% pure copper conductors
- Low wear of brushes and trolleys
- Options for special applications (galvanizing, steel mill, cement industry)



Gantry Crane Kits

- Know-how and advanced engineering experience
- Wide range of single or double girder crane
- Standard capacity: 5 50 t
- Span: from 10 to 35 m
- Indoor or ourdoor application
- Control by RRC or cabin

Crane kit doesn't include, fixed and flexible legs. Podem could provide fabrication drawings for metal structure.



Jib Cranes

- Column- and wall-mounted slewing jib cranes
- Largest slewing jib crane programme
- Capacity from 125 to 20 000 kg
- Outreach max. from 2 to 12 m
- Indoor or outdoor
- Slewing manual or electrical
- Largest program for standard and special accessories
- Short response time for offers, orders, spare parts and any kind of questions

Project Reference



















Standard Products Table

PODEM	,

Capacity (kg)	Groups				Lifting speed (m/min)*		Lifting height (m)			
	FEM	ISO	- Hoist type	Rope falls –	V1	V2	НО	H1	H2	НЗ
1000	2 m	M5	MT305	2/1	8/2,6	12/4	10	14	20	26
1600	2 m	M5	MT308	2/1	8/2,6	12/4	10	14	20	26
2000	3 m	M6	MT310	2/1	8/2,6	12/4	10	14	20	26
2000	2 m	M5	MT305	4/1	4/1,3	6/2	-	7	10	13
	3 m	M6	MT306	4/1	4/1,3	6/2	-	7	10	13
2500	2 m	M5	MT312	2/1	8/2,6	12/4	10	14	20	26
	2 m	M5	MTL312	2/1	-	12/4	32	40	48	56
	2 m	M5	MT316	2/1	8/2,6	12/4	10	14	20	26
3200	2 m	M5	MT308	4/1	4/1,3	6/2	-	7	10	13
	2 m	M5	MTL316	2/1	-	12/4	32	40	48	56
4000	3 m	M6	MT310	4/1	4/1,3	6/2	-	7	10	13
4000	3 m	M6	MT520	2/1	8/2,6	12/4	10	14	20	26
	3 m	M6	MT313	4/1	4/1,3	6/2	-	7	10	13
5000	2 m	M5	MT312	4/1	4/1,3	6/2	-	7	10	13
5000	2 m	M5	MT525	2/1	8/2,6	12/4	10	14	20	26
	2 m	M5	MTL525	2/1	-	12/4	32	40	48	56
6300	2 m	M5	MT316	4/1	4/1,3	6/2	-	7	10	13
2000	3 m	M6	MT520	4/1	4/1,3	6/2	-	7	10	13
8000	2 m	M5	M640	2/1	8/2,6	12/1,8	13	18	25	32
10000	2 m	M5	MT525	4/1	4/1,3	6/2	-	7	10	13
10000	2 m	M5	M750	2/1	-	8/1,5	13	18	25	-
12500	3m	M6	M632	4/1	4/1,3	6/0,9	6,5	9	12,5	16
16000	2 m	M5	M640	4/1	4/1,3	6/0,9	6,5	9	12,5	16
16000	3 m	M6	M740	4/1	-	4,1/1,3	-	9	12,5	16
20000	2 m	M5	M750	4/1	-	4,1/1,3	6,5	9	12,5	16
20000	2 m	M5	M850	4/1	2,5/0,6	4/1,2	-	10	16	24
25000	1 Am	M4	M863	4/1	2,5/0,6	4/1,2	-	10	16	24
32000	1 Am	M4	M980	4/1	2,5/0,6	4/0,75	-	10	16	24
40000	2 m	M5	M1100	4/1	2,5/0,8	4-0,4	10	12	15	22
50000	1 Am	M4	M1125	4/1	2/0,6	4-0,4	10	12	15	22

For more information and technical catalogue please contact our local distributor

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