



## **Technical specifications**

	Gantry single-girder crane
4 Type of avone in	Gantry double-girder crane
1. Type of crane in structure	Gantry three-girder crane
	Gantry four-girder crane
	Semi-gantry crane
	General purpose gantry crane
	Assembly gantry crane
	Gantry crane with magnets
	Gantry crane with magnets and grab
2. Crane group	Gantry crane with grab
	Container gantry crane
	Special gantry crane for hydroelectric power plants and hydraulic structures
	Special gantry crane for nuclear facilities
	Special gantry crane



3. Us	sing of crane and	d crane's mechanis	ms		
3.1	Type of drive		Electrical		
3.2 Es ISO 430	<del>-</del>	on groups of the crane	and its mechanis	sms accordi	ng to
3.2.1	Crane in general (A	A3-A8)		A	
3.2.2	Main crane hoist (N	/1-M8)		M	
3.2.3	Auxiliary crane hois	st (M1-M8)		M	
3.2.4	Trolley travel mech	anism (M1-M8)		M	
3.2.5	Trolley rotate mech etc.) (M1-M8)	nanism/load-handling de	vice (jaws, hook	M	
3.2.6	Crane travel mecha	anism (M1-M8)		M	
3.2.7	Other groups:			M	
	Lifting capacity, t	with removable load-h	andling device		
		with stationary load-ha (hook, etc.)	indling device		
3.3	of ropes				
	of trolley				
		other:			
		other:			
3.4	Crane span, m				
3.5	Lifting height, m				
3.6	Work radius on c	onsoles (L≥0), m		L1	L2
3.7	Crane size along	its way (with uncompre	ssed buffers), <b>m</b>	Offered by the manufacture	
	Quantity of freigh	t trolleys and lift devic	es		
	with one trolley and	d one lifting mechanism			
3.8	with one trolley and	with one trolley and several lifting mechanisms			
	with two trolleys and any number of lifting mechanisms				
	with one or two tro	lleys and a hoist			
	Load-handling de	vice rotation: Not provided			
3.9		Together with a load-h device rotating mechan			
		Together with rotating	trolley		



3.10	Rotating angle limitations : hook/trolley/traverse/spreader/other:			
3.10.1	Full-turn/Non-full-turn (±90° / ±180° / ±270° / ±370°)			
3.11 N	lechanisms speed			
3.11.1	Main crane hoist, m/sec (m/min)	V=		
3.11.2	Auxiliary crane hoist, m/sec (m/min)	V=		
3.11.3	Trolley travel mechanism, m/sec (m/min)	V=		
3.11.4	Trolley/load-handling device (hook, traverse, spreader, etc.) rotating mechanism, rpm	V=		
3.11.5	Crane travel, m/sec (m/min)	V=		
3.11.6	Other:	V=		
3.12 F	leight from the rail head level			
3.12.1	Lifting the load, m			
3.12.2	Lowering the load, m			
3.13	Distance from rail head level up to lower truss elements (for indoor cranes and cranes located under the roof), m			
3.14	Distance from rail head level axis up to pillars and other crane travelling way elements, m			
3.15	Crane rail type			
3.16	Permissible wheel load, kN (t)			
4 (	Operating conditions			
4.1	Operating temperature range, °C	from	up to	
4.2	Placement category: (outdoor – «1», under the roof – «2», not heating zone – «3», heating zone – «4», high humidity zone – «5»)			
4.3 W	ind load			
4.3.1	Maximum wind speed In crane operation mode, m/sec	V=		
7.3.1	Out of use, m/sec	V=		



4.4	Seismic resistance, (Richter scale) up to					
4.5	4.5 Dustiness level (in case of increased dustiness):					
4.5.1	Type of the dust (ma	terial)				
4.5.2	Density, mg/m³					
4.6	Heatstroke possibilit	ies		'		
4.6.1	Source (no source / I	oad / furnace etc.)				
4.6.2	Main impact on (susp trolley/control cabin,	pension/travers/bridge etc.))	girder/			
4.6.3	Temperature, °C			from		up to
4.6.4	Duration, min			from		up to
4.7	Other special condi	tions				
5 (	Crane purpose					
	Load handling:	Bulk load, specify:				
5.1.	General cargoes, specify:					
	Execution of techno	ological operations:				
5.2	Warehouse mainter	nance	Freigh	t transport lo	ading	
5.2	Freight train loading	g	Furnac	e loading		
	Assembly operations Other:					
6 L	6 Load characteristics					
6.1.1	6.1.1 General cargoes or load package of the 1 <sup>st</sup> type					
6.1.1.1	Maximum weight on	a load-handling device	e, t			
6.1.1.2	Maximum dimensions, mm	length	widt	h (diameter)	hei	ight (depth)



6.1.1.3	Availability of special	vailability of special slinging points: :		yes		no
6.1.1.4	Load temperature, °C			from		up to
6.1.1.5	Other:					
6.1.2	General cargo or lo	ad package of the 2 <sup>n</sup>	<sup>d</sup> type			
6.1.2.1	Maximum weight on	a load-handling device	e, t			
6.1.2.2	Maximum dimensions, mm	length	width (diam	eter)	ŀ	neight (depth)
6.1.2.3	Availability of special	slinging points	·		es	no
6.1.2.4	Load temperature, °C			from		up to
6.1.2.5	Other:					
6.2.1	Bulk load of the 1 <sup>st</sup>	type				
6.2.1.1	Name of material					
6.2.1.2	Load conditions (normal, frozen, caked, in pieces etc.)					
6.2.1.3	Density, t/m³ Maximum temperature, °C					
6.1.2.4	Other:					
6.2.2	Bulk load of the 2 <sup>nd</sup>	type				
6.2.1.1	Name of material					
6.2.1.2	Load conditions (non	mal, frozen, caked, in	pieces etc.)			
6.2.1.3	Density, t/m³		Maximum te	emperatu	ıre, °C	
6.2.1.4	Other:					
7 L	oad handling devi	ce type and chara	cteristics			
		Main hook I		One-horn	hook	Double-horn hook
7.1	Hooks	Main hook II		One-horn	hook	Double-horn hook
7.1	IIUUNS	Auxiliary hook I		One-horn	hook	Double-horn hook
		Auxiliary hook II		One-horn	hook	Double-horn hook



		Characteristics are offer	ed by the mar	nufacturer			
		Double-rope		Four-rope			
		Permanent		Mounted on a hook			
		Manual Electric drive drive			Hydraulic drive		
		Foreign grive		Russian drive			
		Drive trade mark					
7.2	Grab	Intended for unloading wagons	for unloading f		d ng		
		Double jaw		Multi jaw			
		Orientation regarding cra (for double-jaw four-rope		Longitud openin		Lateral opening	
		Volume capacity, m³					
		Other:					
		Characteristics are offered by the manufacturer					
		Rectangular profile shape			Specia profile		
		Load capacity, t					
		Quantity, pcs.	Quantity, pcs.				
7.3	Magnet	Foreign drive		Russian dri	ve		
		Drive trade mark					
		Туре					
		Load temperature, °C		from		up to	
		Other:					
		Characteristics are offered by the manufacture		anufacturer			
		Permanent		Mounted on a hook			
7.4	Spreader	Foreign made		Russian made			
		Spreader trade mark					
		Manual drive	Electric drive		Hydrau drive	ulic	



		Container standard size	e		
				Located across the crane runway	
		Other:			
		Characteristics are offe	ered by the ma	nufacturer	
		Permanent		Mounted o	n hook
		Vacuum	Hook		Magnet
		traverse	traverse		traverse
		Located along bridge girder	Located acr bridge girde		Need for rotation
		Complete set of travers			rotation
		7.5.1 With hooks	Quantity, po	cs.	Lifting capacity, t
		7.5.2 With magnets	(fill in item 7	'.6)	
7.5	Traverse		Separate crane mechanism		
		7.5.3 With claws	Electric drive		
			Hydraulic drive		
			Lifting capa	city, t	
		7.5.4 With slings	Sling's leng	th, mm	
		7.0.4 With sinings	Sling type		
			Quantity, po	s.	
		7.5.5 Other			
		Characteristics are offe	Characteristics are offered by the manufacturer		
		Permanent	Permanent		n hook
		Foreign made	Russian mad		ade
7.6	Pliers	Trade mark	Trade mark		
		Manual drive	Electric drive		Hydraulic drive
		Located along the crane runway	Located the crane		
		Other			



Characteristics are offered by the manufacturer 7.7 Mold Hook suspension Hook suspension 7.8 Automatic capture Other (load-handling 7.9 device) **Constructional requirements** 8 Alignment restrictions for working 8.1 movements of mechanisms: **Necessity for synchronization speeds** yes no 8.2 when working together **Trolley** Cable Reel **Tracking** 8.3 Crane's current supply type 8.4 Control cabin Mobile **Stationary** 8.5 Control cabin location 8.6 Type of the control system Frequency 8.7 Complete set of the control cabin Additional requirements For Other each winch requirements 9.1 Lifting capacity limiter availability The parameter recorder setting is necessary 9.2 yes no (Obligatory for cranes with 10t or more lifting capacity (A6-A8) 9.3 Complete set of the crane No. Name Unit TM Manufacturer Qty. 1 2 3 4 5



9.4	Technical documentation, provided by Customer		
Dimensional drawing Other:		Other:	
9.5	Painting		
9.5.1	Enamel + primer		
9.5.2	Enamel color: yellow /		
9.6	Additional requirements of a Customer		

10 Cus	10 Customer information	
10.1	Company name	
10.2	Address	
10.3	Contact person	
10.4	Phone	
10.5	E-mail	

## Thank you for the provided information!

Please, send us this form to our e-mail address: info@tehnoros.com