



Technical specifications

Type of crane in structure	Bridge single-girder crane
	Bridge double-girder crane
	Bridge four-girder crane
	Special bridge crane with magnets
	Special bridge crane with a grab
	Special bridge crane with magnets and a grab
	Special bridge crane with magnets and a mold
	Special bridge crane with a grab and a mold
2. Crane group	Special bridge crane with a flexible traverse suspension
	Special bridge crane with a rigid traverse suspension
	Special bridge crane with a flexible traverse suspension and a rotatable trolley
	Special bridge crane with a rigid traverse suspension and a rotatable trolley
	Special bridge crane with two trolleys



Metallurgical casting bridge crane

Metallurgical mold charging bridge crane

Metallurgical forge bridge crane

Other

3. Using of crane and crane's mechanisms

3.1	Type of drive		Electrical	al			
3.2 E ISO 43	stimated qualification g 01-1	roups of the crane	and its mechanis	ms according to			
3.2.1	Crane in general (A3-A	.8)		Α			
3.2.2	Main crane hoist (M1-N	1 8)		M			
3.2.3	Auxiliary crane hoist (M	11-M8)		M			
3.2.4	Trolley travel mechanis	sm (M1-M8)		М			
3.2.5	Trolley rotating mechar etc.) (M1-M8)	nism/load-handling o	levice (jaws, hook	М			
3.2.6	Crane travel mechanism	m (M1-M8)		М			
3.2.7	Other groups:			М			
	Lifting capacity, t with removable load-handling device						
	wit (ho						
3.3	of ropes						
0.0	of trolley						
	other:						
	oth	ner:					
3.4	Crane span, m						
3.5	Lifting height, m						
3.6	Crane size along its v	vay (with uncompre	ssed buffers), m	Offered by the manufacturer			
	Load-handling device	e rotation: Not provided					
3.7		Together with a lo	•				
		Together with rot	ating trolley				



3.8	Rotating angle limitations : hook/trolley/traverse/spreader/other:		
3.8.1	Full-turn/Non-full-turn (±90° / ±180° / ±270° / ±370°)		
3.	9 Mechanisms speed		
3.9.1	Main crane hoist, m/sec (m/min)	V=	
3.9.2	Auxiliary crane hoist, m/sec (m/min)	V=	
3.9.3	Trolley traveling mechanism, m/sec (m/min)	V=	
3.9.4	Trolley/load-handling device (hook, traverse, spreader, etc.) rotating mechanism, rpm	V=	
3.9.5	Crane travel, m/sec (m/min)	V=	
3.9.6	Other:	V=	
3	.10 Height from the rail head level		
3.10.1	Of load lifting, m		
3.10.2	Of load lowering, m		
3.11	Distance from rail head level up to lower truss elements (for indoor cranes and cranes located under the roof), m		
3.12	Distance from rail head level axis up to pillars and other crane travelling way elements, m		
3.13	Crane rail type		
3.14	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=	
7.0.1	Out of use, m/sec	V=	



4.4	Seismic resistance, (Richter scale) up to						
4.5	Dustiness level (in case of increased dustiness):						
4.5.1	Type of the dust (mat	erial)					
4.5.2	Density, mg/m³						
4.6	Heatstroke possibiliti	es					
4.6.1	Source (no source / lo	oad / furnace etc.)					
4.6.2	Main impact on (suspetc.))	ension/travers/bridge	girder/ tr	olley,			
4.6.3	Temperature, °C			fror	n	up to	
4.6.4	Duration, min			fror	n	up to	
4.7	Other special condi	tions					
5 (Crane purpose						
E 4	Load handling:	Bulk load, specify:					
5.1		General cargoes, s	specify:				
5.2	Execution of techno	logical operations:					
	Warehouse mainten	ance	Freight	transport	oading		
	Freight train loading]	Furnace loading				
	Continuous casting machines maintena		Rolling	mill mainto	enance		
	Assembly operations Other:						
6 L	oad characteristic	s					
6.1.1	General cargoes or load package of the 1 st type						
6.1.1.1	Maximum weight on a	um weight on a load-handling device, t					
6.1.1.2	Maximum dimensions, mm	length	width	n (diameter)	he	ight (depth)	



6.1.1.3	Availability of special slinging points: :				es	no	
6.1.1.4	Load temperature, °C	 _oad temperature, °C				up to	
6.1.1.5	Other:						
6.1.2	General cargo or lo	ad package of the 2 ⁿ	^d 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)	h	eight (depth)	
6.1.2.3	Availability of special	<u> </u>	·		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 st	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	mperatu	ıre, °C		
6.2.1.4	Other:						
6.2.2	Bulk load of the 2 nd	type					
6.2.1.1	Name of material						
6.2.2.2	Load conditions (nor	mal, frozen, caked, in	pieces etc.)				
6.2.2.3	Density, t/m³		Maximum te	mperatu	ıre, °C		
6.2.2.4	Other:	Other:					
7 L	oad handling devi	ce type and chara	cteristics				
		Main hook I		One-horr	hook	Double-horn hook	
7 1	Hooks	Main hook II		One-horn	hook	Double-horn hook	
7.1	поокъ	Auxiliary hook I		One-horn	hook	Double-horn hook	
		Auxiliary hook II		One-horr	hook	Double-horn hook	



		Characteristics are offer	ed by the ma	nufacturer			
		Double-rope	Double-rope		Four-rope		
		Permanent		Mounted on a hook			
		Manual drive	Electric drive		Hydrau drive	ılic	
		Foreign drive		Russian drive			
		Drive trade mark					
7.2	Grab	Intended for unloading wagons		Not intende for unloadir wagons			
		Double jaw		Multi jaw			
		Orientation regarding cra (for double-jaw four-rope		Longitud openin		Lateral opening	
		Volume capacity, m ³	Volume capacity, m ³				
		Other:					
		Characteristics are offered by the manufacturer					
		Rectangular profile shape			Special profile shape		
		Load capacity, t	Load capacity, t				
		Quantity, pcs.	Quantity, pcs.				
7.3	Magnet	Foreign drive	Foreign drive		Russian drive		
		Drive trade mark	Drive trade mark				
		Туре					
		Load temperature, °C	Load temperature, °C		ı	up to	
		Other:					
		Characteristics are offer	ed by the ma	nufacturer			
		Permanent	Permanent		Mounted on a hook		
7.4	Spreader	Foreign made	Foreign made		Russian made		
		Spreader trade mark					
		Manual drive	Electric drive		Hydrau drive	ulic	



		Container standard size	е			
		Replaceable by standard size				
		Located along the crane runway		Located across the crane runway		
		Other:				
		Characteristics are offe	ered by the mar	nufacturer		
		Permanent		Mounted or	n hook	
		Vacuum	Hook		Magnet	
		traverse	traverse		traverse	
		Located along bridge girder	Located acr bridge girde		Need for rotation	
		Complete set of travers		·I	Totation	
		7.5.1 With hooks	Quantity, po	S.	Lifting capacity, t	
		7.5.2 With magnets	(fill in item 7	7.6)		
7.5 Traverse	Traverse		Separate crane mechanism			
	7.5.3 With claws	Electric drive				
			Hydraulic drive			
			Lifting capacity, t			
		7.5.4 With slings	Sling's leng	th, mm		
		7.0.1 With Sinigs	Sling type			
			Quantity, po	S.		
		7.5.5 Other				
		Characteristics are offe	Characteristics are offered by the manufacturer			
		Permanent		Mounted on hook		
		Foreign made	Foreign made		ade	
7.6	Pliers	Trade mark				
		Manual drive	Electric drive		Hydraulic drive	
		Located along the crane runway	Located the cran			
		Other				



		Characteristi	cs are offe	red by the man	ufacturer		
7.7	Mold	Double Hook susper	nsion	Four Hook suspension			
7.8	Automatic capture	e					
7.9	Other (load-handling device)						
8 Co	nstructional requi	rements					
8.1	Alignment restrict movements of me		ng				
8.2	Necessity for synwhen working tog		oeeds	ye	S		no
				Trolley			
8.3	Crane's current s	Crane's current supply type			R	eel	Tracking
8.4	Control cabin			Mobile		Static	onary
8.5	Control cabin loca	ation					
8.6	Type of the contro	ol system		Frequency			
8.7	Complete set of the	ne control cabi	n				
9 Ad	ditional requireme	ents					
9.1	Lifting capacity limiter availability			each v		rec	Other quirements
9.2	necessary	(Obligatory for cranes with 10t or more lifting				no	
9.3	Complete set of the	ne crane					
No.	Name	Unit	Qty.	TM Manufacturer			
1							
2							
3							
4							
5							



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