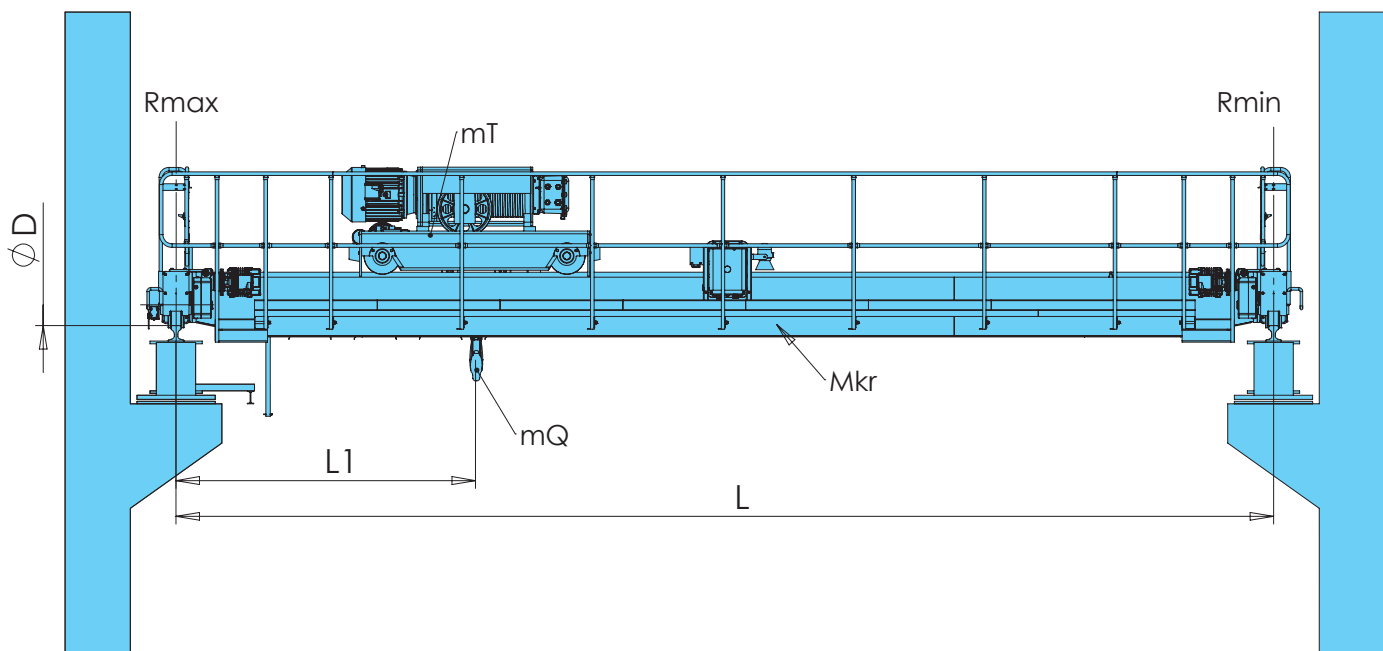


Инструкция за избор на крайни греди за стоящи двугредови кранове
Instruction for selecting end carriages for gantry double girder cranes



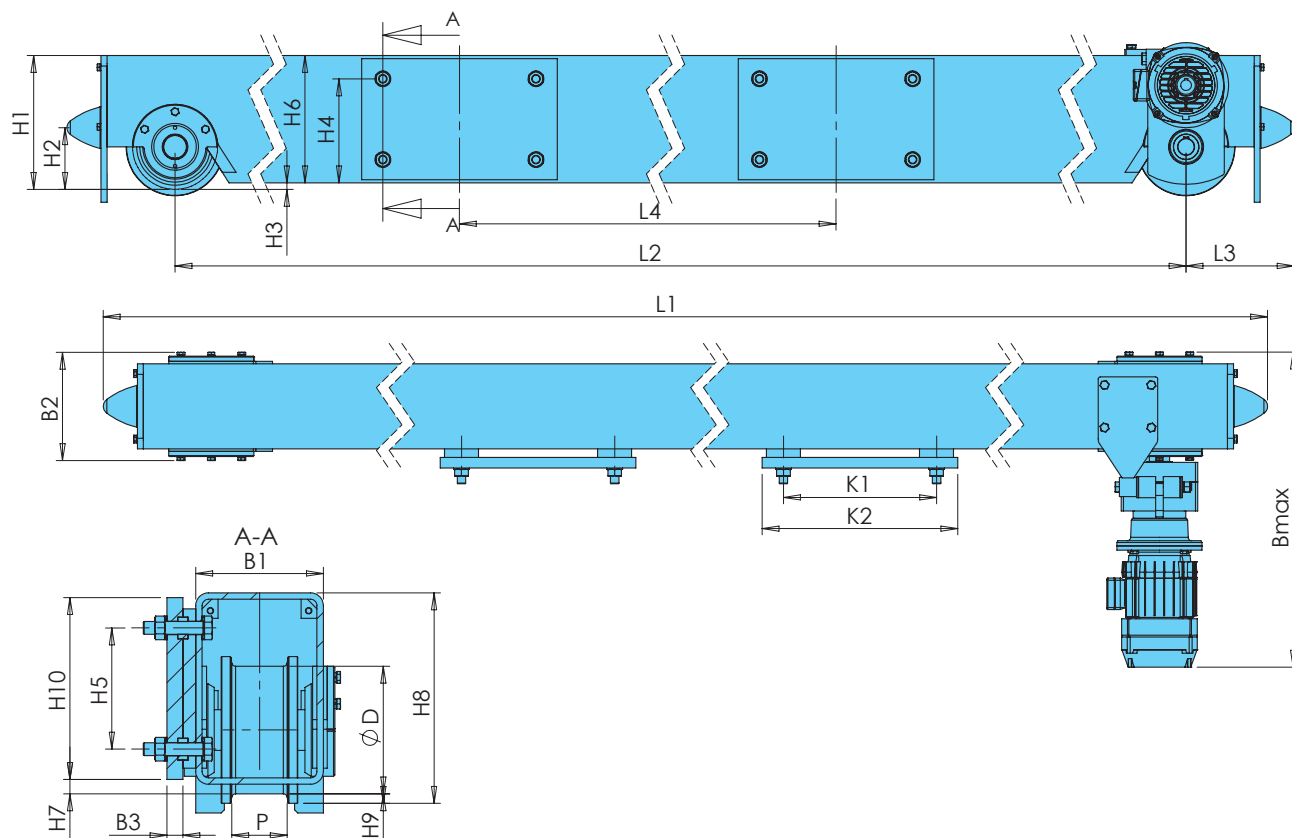
Приблизително определяне на крайната гредка на кран с две свързващи греди
Approximate calculation of end carriage of a crane with two connecting girders

$m_{Kr} = m_M + m_Z + K_o$ [kg] $R_{max} = \frac{m_{Kr}}{4} + \frac{m_Q + m_T}{2} \cdot \frac{L - L_1}{L}$ [kg] $R_{max} < R_{dop}$; $L < L_{dop}$ $R_{min} = \frac{m_{Kr}}{4} + \frac{m_Q + m_T}{2} \cdot \frac{L_1}{L}$ [kg] $R_{id} = \frac{2 \cdot (R_{max} + R_{min})}{3}$ [kg]	m_{Kr} - тегло на крана [kg] m_M - тегло на моста [kg] m_Z - тегло допълнително [kg] m_{Ko} - тегло на крайните греди + задвижване [kg] m_T - тегло на подемника + количката [kg] L - просвет на крана (отвор) [mm] L_1 - разстояние до куката [mm] R_{max} - максимално натоварване на колелото R_{min} - минимално натоварване на колелото R_{dop} - допустимо натоварване на колелото R_{id} - реално натоварване на колелото	m_{Kr} - Dead weight of crane [kg] m_M - Dead weight of crane bridge [kg] m_Z - Weight of additional load [kg] m_{Ko} - Dead weight of endcarriage + drive [kg] m_T - Dead weight of hoist + trolley [kg] L - Crane span [mm] L_1 - Hook approach trolley [mm] R_{max} - Actual wheel load R_{min} - Minimum wheel load R_{dop} - Permissible wheel load R_{id} - Actual ideal wheel load
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[kg] m_Q						
50000						
40000			EC400			
32000	EC315			EC400		
25000		EC315			EC400	
20000			EC315			EC400
16000		EC250			EC315	
12500		EC200			EC250	
10000	EC160			EC200		EC250
8000		EC160			EC200	
≤6300		EC160				EC200
L[m]		5	10	15	20	25



Крайна греда за двугредов кран тип EC2 End carriage for double girder crane type EC2

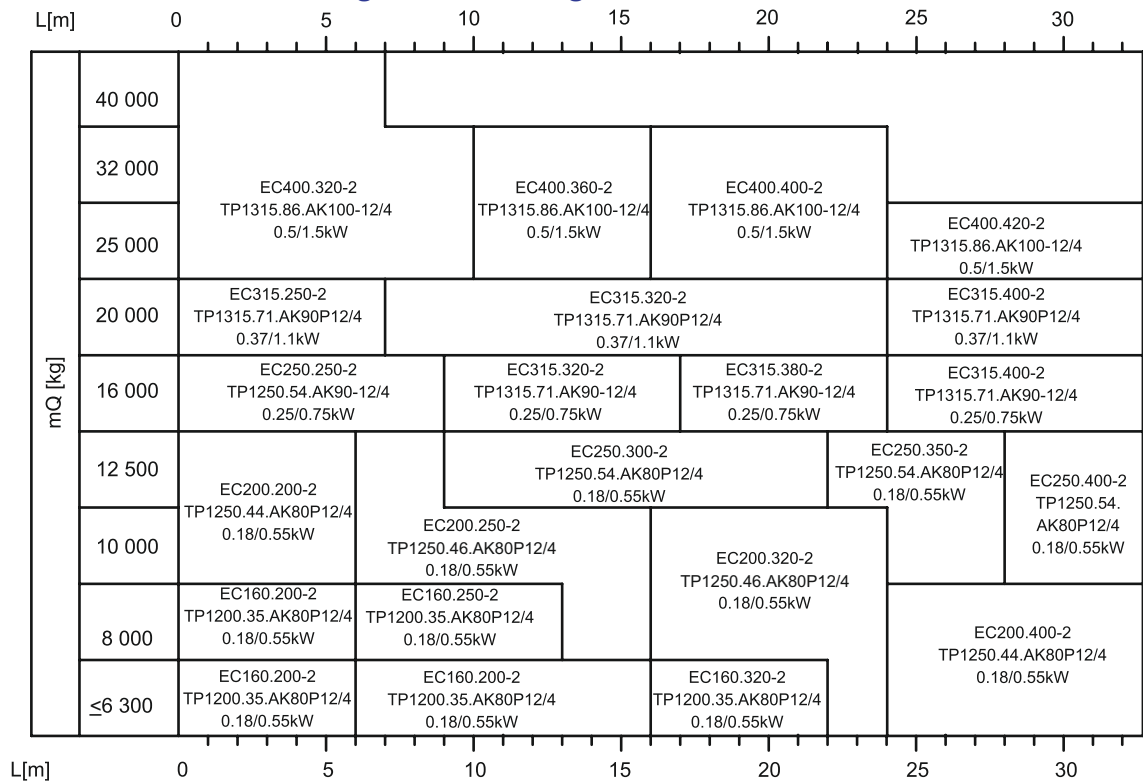


Означение Type	D mm	Rmax kg	Smax mm	L1 mm	L2 mm	L3 mm	L4 mm	P mm	◀ ▶	kg
EC 160.200-2-20/6	160	5510	6000	2438	2000	219	900-1000	50 60	20/6 30/10 40/12	237,0
EC 160.250-2-20/6			15000	2938	2500	219	900-1400			265,0
EC 160.260-2-20/6			17000	3038	2600	219	900-1400			271,0
EC 160.320-2-20/6			20000	3638	3200	219	1200-2000			306,0
EC 200.200-2-20/6	200	8520	6000	2508	2000	254	900-1000	50 60 70	20/6 30/10 40/12	321,0
EC 200.250-2-20/6			15000	3008	2500	254	900-1400			357,0
EC 200.320-2-20/6			22000	3708	3200	254	900-1400			405,0
EC 200.400-2-20/6			30000	4508	4000	254	1200-2000			465,0
EC 250.250-2-20/6	250	10800	8000	3008	2500	254	900-1000	50 60	20/6 30/10 40/12	385,0
EC 250.300-2-20/6			20000	3508	3000	254	900-1400			421,0
EC 250.350-2-20/6			26000	4008	3500	254	1200-1600			458,0
EC250.400-2-20/6			30000	4508	4000	254	1200-2000			494,0
EC 315.200-2-20/6	315	13680	6000	2588	2000	294	1200-1600	50 60 70	20/6 30/10	354,5
EC 315.250-2-20/6			16000	3088	2500	294	1200-1600			557,0
EC 315.320-2-20/6			22000	3788	3200	294	1200-1600			620,0
EC 315.380-2-20/6			25000	4388	3800	294	1200-2000			674,0
EC 315.400-2-20/6			30000	4588	4000	294	1200-2000			692,0
EC 400.320-2-20/6	400	19800	12000	3878	3200	339	1200-2000	60 70	20/6 30/10	910,0
EC 400.360-2-20/6			15000	4278	3600	339	1200-2400			950,0
EC 400.400-2-20/6			22000	4678	4000	339	1200-2400			990,0
EC 400.420-2-20/6			30000	4878	4200	339	1200-2400			1100,0

Означение / Type	K1	K2	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	B1	B2	B3	Bmax
EC 160.xxx-2-x	400	490	265	170	15	150	100	250	17,5	280	15	235	150	149	25	654
EC 200 xxx-2-x	360	460	315	145	15	200	140	300	22,5	330	15	285	200	205	25	810
EC 250 xxx-2-x	360	460	315	145	15	245	150	300	22,5	330	15	285	200	255	25	810
EC 315 xxx-2-x	360	460	352	195	15	245	150	400	52,0	432	17,5	385	200	258	30	836
EC 400 xxx-2-x	550	700	470	250	20	330	330	450	27,5	490	17,5	435	250	326	30	840

В теглото G[kg] не влиза моторредуктора!!!
Geared motor not included in weight G[kg] !!!

Крайна греда за двугредов кран V=20/6m/min
End carriage for double girder crane V=20/6m/min



Крайна греда за двугредов кран V=30/10m/min
End carriage for double girder crane V=30/10m/min

