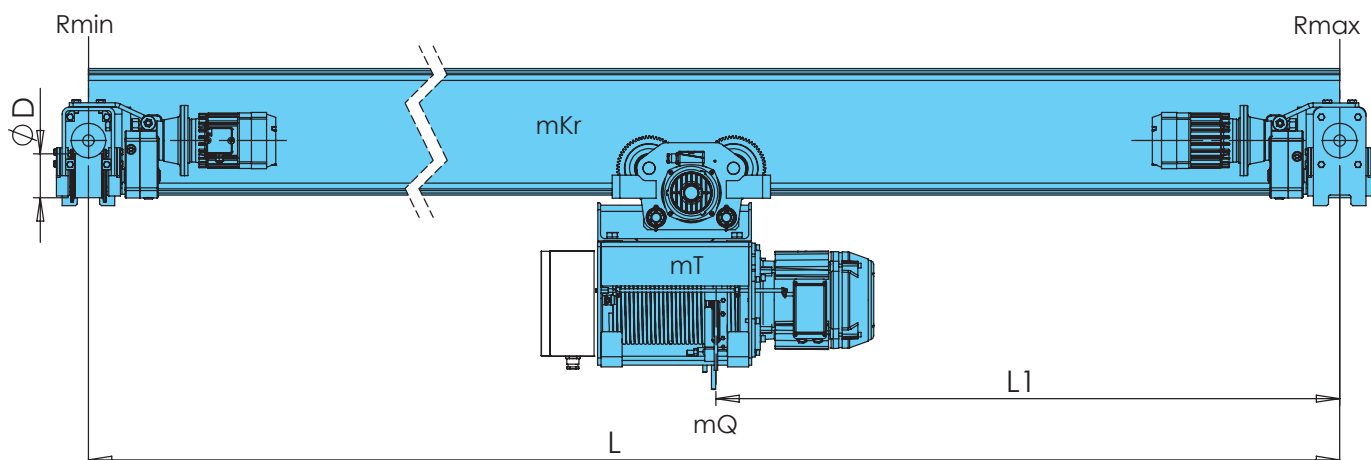




Инструкция за избор на крайни греди за стоящи кранове Instruction for selecting end carriages for gantry cranes



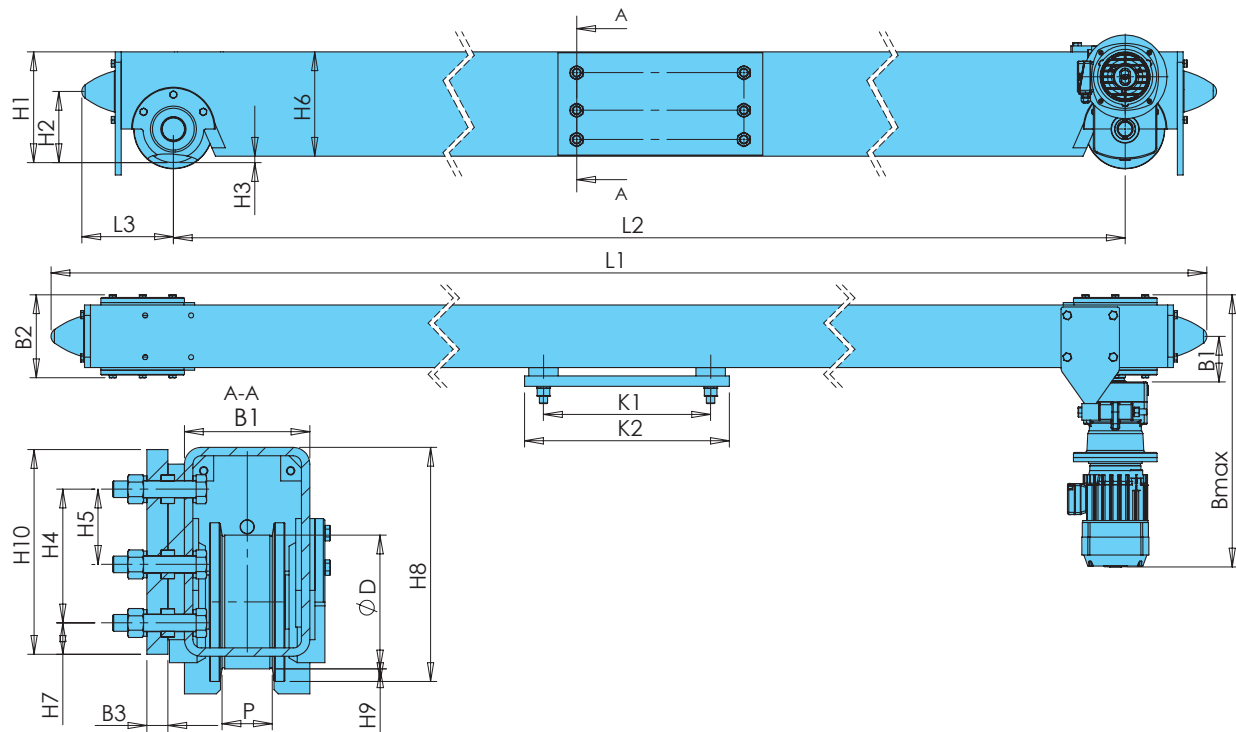
EC \ TP	TP1160	TP1200	TP1250	TP1315
EC125	√	-	-	-
EC 160		√	-	-
EC 200	-	√	√	-
EC 250	-	-	√	-
EC 315	-	-	-	√
EC 400	-	-	-	√

Приблизително определяне на крайната гредя на кран с една свързваща гредя Approximate calculation of the end carriage for a crane with one connecting girder

$mKr = mM + mZ + Ko$ [kg] $R_{max} = \frac{mKr}{4} + \frac{mQ + mT}{2} * \frac{L - L1}{L}$ [kg] $R_{max} < R_{dop}$; $L < L_{dop}$ $R_{min} = \frac{mKr}{4} + \frac{mQ + mT}{2} * \frac{L1}{L}$ [kg] $R_{id} = \frac{2 * (R_{max} + R_{min})}{3}$ [kg]	mKr - тегло на крана [kg] mM - тегло на моста [kg] mZ - тегло допълнително [kg] mKo - тегло на крайните греди + задвижване[kg] mT - тегло на подемяка + количката [kg] L - просвет на крана (отвор) [mm] $L1$ - 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	mKr - Dead weight of crane [kg] mM - Dead weight of crane bridge [kg] mZ - Weight of additional load[kg] mKo - Dead weight of endcarriage + drive[kg] mT - Dead weight of hoist + trolley[kg] L - Crane span [mm] $L1$ - 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] mQ								
16000		EC315			EC400			
12500		EC250			EC315			EC400
10000	EC200		EC250			EC315		EC400
8000		EC200		EC250		EC315		EC 400
6300		EC200				EC315		
5000		EC160		EC200		EC250		EC315
4000		EC160				EC200		
3200		EC125				EC160		EC200
2000		EC125				EC160		EC200
L[m]		5	10	15	20	25		

Крайна греда за едностранов кран тип EC1
End carriage for single girder crane - Type EC1

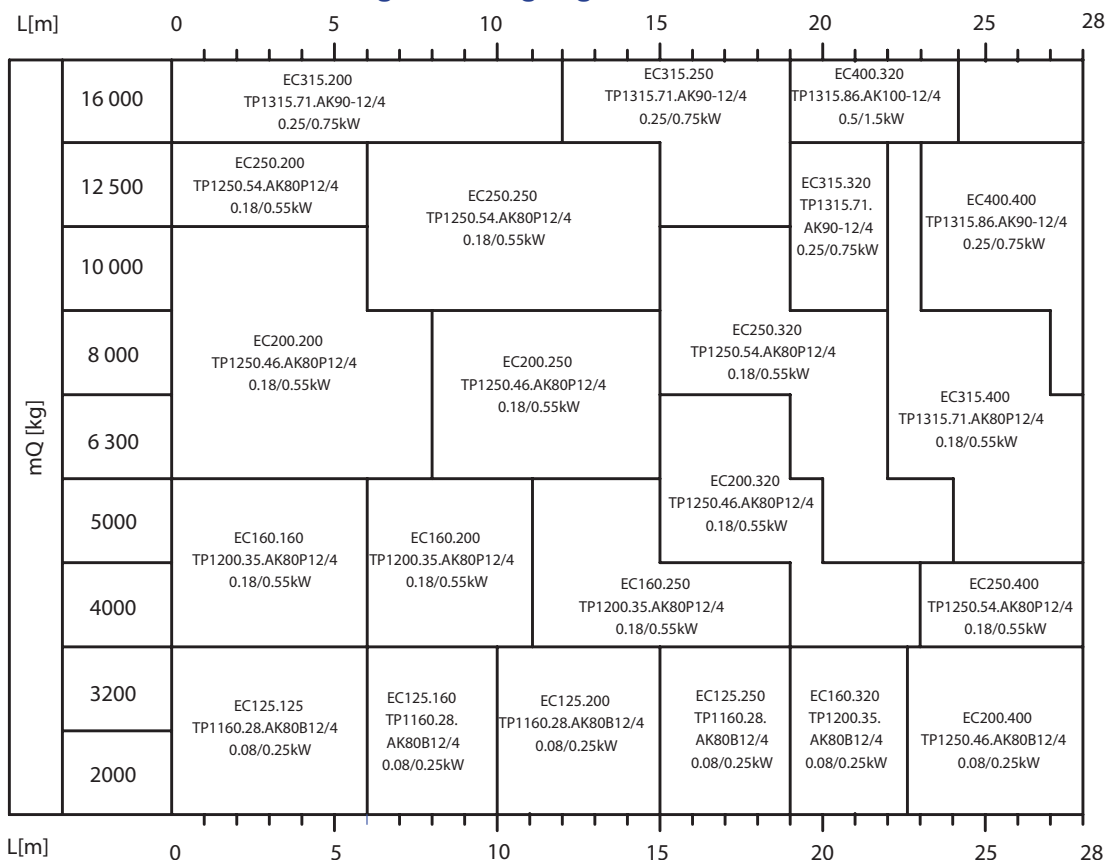


Означеніе Type	D	Rmax	Smax	L1	L2	L3	P	◀ ▶	kg
	mm	kg	mm	mm	mm	mm	mm	m/min	kg
EC125.125-1-20/6	125	3640	6000	1658	1250	204	50	20/6 30/10 40/12	135,0
EC 125.160-1-20/6			10000	1980	1600	204			149,0
EC 125.200-1-20/6			15000	2380	2000	204			164,0
EC 125.250-1-20/6			19000	2880	2500	204			184,5
EC 160.160-1-20/6			6000	2038	1600	219			204,0
EC 160.200-1-20/6	160	5510	11000	2338	2000	219	50	20/6 30/10 40/12	227,0
EC 160.250-1-20/6			15000	2938	2500	219			256,0
EC160.300-1-20/6			19000	3438	3000	219			285,0
EC 160.320-1-20/6			24000	3638	3200	219			295,0
EC 200.200-1-20/6			7000	2508	2000	254			295,0
EC 200.250-1-20/6	200	8520	15000	3008	2500	254	50	20/6 30/10 40/12	331,0
EC 200.320-1-20/6			23500	3708	3200	254			380,0
EC 200.400-1-20/6			28000	4508	4000	254			440,0
EC 250.200-1-20/6			6000	2508	2000	254			318,0
EC 250.250-1-20/6			15000	3008	2500	254			354,0
EC250.320-1-20/6	250	10800	24000	3708	3200	254	50	20/6 30/10 40/12	405,0
EC250.400-1-20/6			28000	4508	4000	254			464,0
EC 315.200-1-20/6			12000	2588	2000	294			478,0
EC 315.250-1-20/6			19000	3088	2500	294			523,0
EC 315.320-1-20/6			22000	3788	3200	294			586,0
EC 315.380-1-20/6	315	13680	25000	4388	3800	294	50 60 70	20/6 30/10 40/12	622,0
EC 315.400-1-20/6			28000	4558	4000	294			640,0
EC 400.320-1-20/6			21000	3878	3200	339			815,0
EC 400.400-1-20/6			28000	3879	4000	339			895,0

Означеніе / Type	K1	K2	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	B1	B2	B3	Bmax
EC 125.xxx-1-x	400	490	207	132	7,5	70	40	200	12	207	12,5	195	150	195	25	680
EC 160.xxx-1-x	400	490	265	170	15	110	40	250	25	280	15	235	150	195	25	654
EC 200 xxx-1-x	400	500	315	145	15	140	80	300	40	330	15	285	200	195	25	810
EC 250 xxx-1-x	400	500	315	145	15	190	130	300	70	330	15	285	200	254	25	810
EC 315 xxx-1-x	400	500	352	195	15	280	150	400	75	432	17,5	385	200	258	30	836
EC 400 xxx-1-x	550	700	470	250	20	340	145	450	125	490	17,5	435	250	326	30	840



Крайна гредка за едногредов кран $V=20/6\text{m/min}$
End carriage for single girder crane $V=20/6\text{m/min}$



Крайна гредка за едногредов кран $V=30/10\text{m/min}$
End carriage for single girder crane $V=30/10\text{m/min}$

