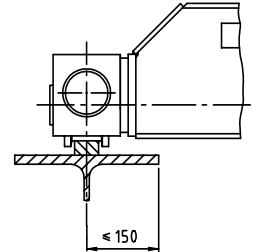
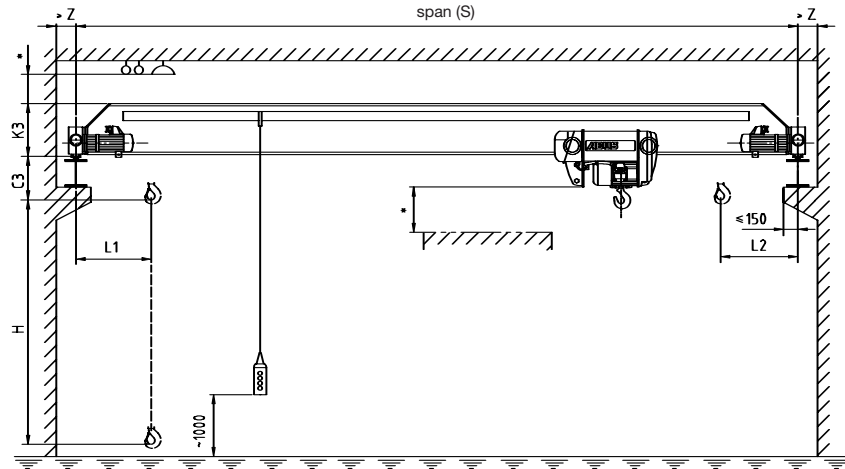
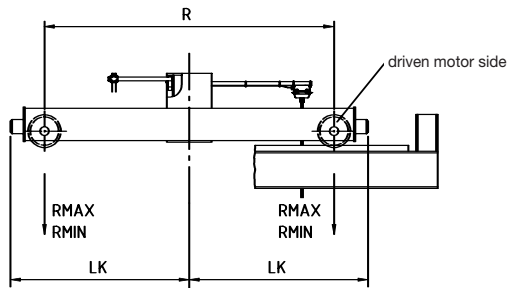




ELV/ELK Single Girder Cranes



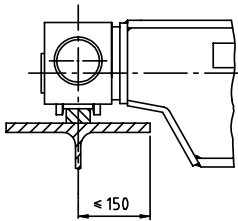
* Safety distance according to national regulations.



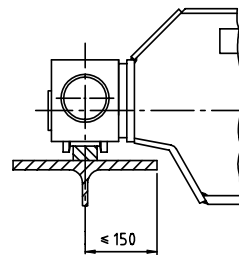
Variation 3:

The measurements K3 and C3 are ABUS standard measurements and can be changed according to the chosen main girder connection variation

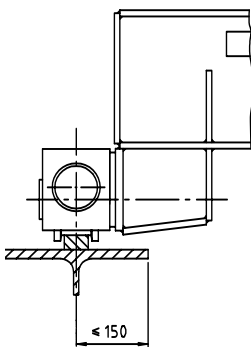
For exact measurements of the Variation 1, 2, 4, 5 please contact ABUS



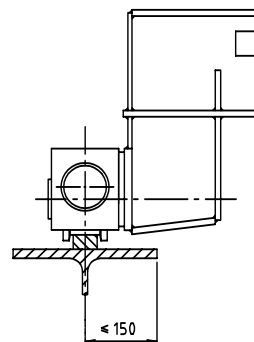
Variation 1:
top of the main girder = top of the end carriage



Variation 2:
all varieties between variation 1 and 3



Variation 4:
bottom of the main girder = top of the end carriage



Variation 5:
bottom of the main girder higher than the top of the end carriage but not more than 1500 mm between the top of the crane rail and the bottom of the main girder

Dimensions of ELV/ELK Single Girder Cranes

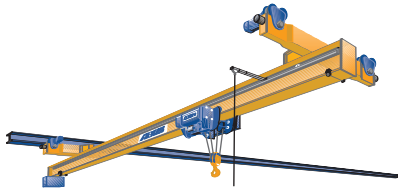
Load, Hoist Type ¹⁾	S ¹⁾	K3	C3	L1	L2	Z min	Hmax ¹⁾	R	LK	Wheel loads kN	
	m	mm	mm	mm	mm	mm	mm	mm	mm	R max	R min
500 kg Chain hoist GM2 500 FEM 2m V Hoist = 1/4 m/min	5	290	480	540	440	140	8000	1900	1165	4.3	2.0
	10	290	480	540	440	140	8000	1900	1165	5.3	2.8
	15	330	480	540	440	140	8000	2200	1315	7.4	4.8
	18	410	480	540	440	140	8000	2700	1585	9.6	7.0
1000 kg Chain hoist GM4 1000 FEM 2m V Hoist = 1.3/5 m/min	5	290	520	560	450	140	6000	1900	1165	6.6	2.2
	10	290	520	560	450	140	6000	1900	1165	7.8	2.9
	15	330	520	560	450	140	6000	2200	1315	9.9	4.9
	18	410	520	560	450	140	6000	2700	1585	12.1	7.1
1600 kg Rope hoist GM 816 L6 FEM 4m V Hoist = 0.8/5 m/min	5	290	390	950	640	140	9000	1900	1165	9.8	3.0
	10	290	390	950	640	140	9000	1900	1165	11.4	3.4
	15	350	390	950	640	140	9000	2200	1315	13.7	5.4
	18	410	390	950	640	140	9000	2700	1610	15.7	7.2
2000 kg Rope hoist GM 820 L6 FEM 4m V Hoist = 0.8/5 m/min	5	290	390	950	640	140	9000	1900	1165	11.5	3.3
	10	330	390	950	640	140	9000	1900	1165	13.7	4.1
	15	370	390	950	640	140	9000	2200	1335	15.9	5.7
	18	550	380	970	770	150	9000	2700	1605	16.5	6.6
	20	650	380	970	770	150	9000	3200	1855	17.7	7.4
	22	660	380	970	770	150	9000	3200	1880	19.1	9.0
3200 kg Rope hoist GM 832 H6 FEM 2m V Hoist = 0.8/5 m/min	5	330	390	950	640	140	9000	1900	1165	16.9	4.3
	10	320	390	950	640	140	9000	1900	1165	19.7	4.9
	15	450	390	950	640	140	9000	2200	1335	22.5	7.0
	18	650	380	970	770	150	9000	2700	1605	23.1	7.6
	20	660	380	970	770	150	9000	3200	1880	24.3	8.9
	22	760	380	970	770	150	9000	3200	1880	25.6	9.8
5000 kg Rope hoist GM 1050 H6 FEM 2m V Hoist = 0.8/5 m/min	5	330	490	1030	710	140	9000	1900	1165	25.1	6.2
	10	410	490	1030	710	140	9000	1900	1185	29.3	6.6
	15	550	490	1030	710	140	9000	2200	1335	32.4	8.5
	18	660	480	1060	840	150	9000	2700	1605	33.3	9.3
	20	660	480	1060	840	150	9000	3200	1880	35.0	10.9
	22	760	480	1060	840	150	9000	3200	1880	36.5	12.1
	24	860	530	1060	840	170	9000	3800	2195	38.9	14.4
	26	1060	530	1060	840	170	9000	3800	2195	41.4	16.7

Load, Hoist Type ¹⁾	S ¹⁾	K3	C3	L1	L2	Z min	Hmax ¹⁾	R	LK	Wheel loads kN	
	m	mm	mm	mm	mm	mm	mm	mm	mm	R max	R min
6300 kg Rope hoist GM 2063 H6 FEM 1Am V Hoist = 0.8/5 m/min	5	350	490	1090	810	140	9000	1900	1165	30.5	8.0
	10	470	480	1090	810	150	9000	1900	1205	36.2	8.3
	15	660	480	1170	940	150	9000	2200	1355	37.9	8.7
	18	760	480	1170	940	150	9000	2700	1630	39.9	10.0
	20	760	480	1170	940	150	9000	3200	1880	42.0	11.8
	22	860	530	1170	940	170	9000	3200	1895	43.9	13.4
8000 kg Rope hoist GM 3080 H6 FEM 3m V Hoist = 0.8/5 m/min	5	550	560	1210	990	150	10000	1900	1205	37.1	11.3
	10	560	560	1210	990	150	10000	1900	1205	43.1	8.8
	15	660	560	1210	990	150	10000	2200	1380	47.6	10.5
	18	760	560	1210	990	170	10000	2700	1645	50.7	12.6
	20	760	610	1210	990	170	10000	3200	1895	53.1	14.6
	22	860	610	1210	990	170	10000	3200	1895	54.6	15.7
10000 kg Rope hoist GM 3100 L6 FEM 2m V Hoist = 0.66/4 m/min	5	560	560	1210	990	150	10000	1900	1205	45.2	13.5
	10	560	560	1210	990	170	10000	1900	1220	52.8	10.6
	15	760	560	1210	990	170	10000	2200	1395	57.5	11.9
	18	860	610	1210	990	170	10000	2700	1645	60.8	14.0
	20	1060	610	1210	990	170	10000	3200	1895	63.4	16.1
	22	1060	610	1210	990	170	10000	3200	1895	64.8	17.0
24	1060	610	1210	990	180	10000	3800	2215	69.9	21.6	

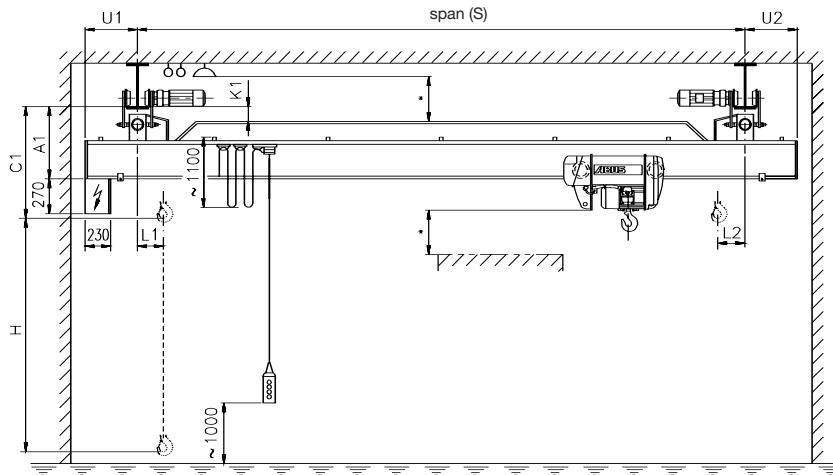
1) Larger span cranes, other hoist specifications are available

Note 1:
The data apply to EOT cranes with power supply via energy chain system.

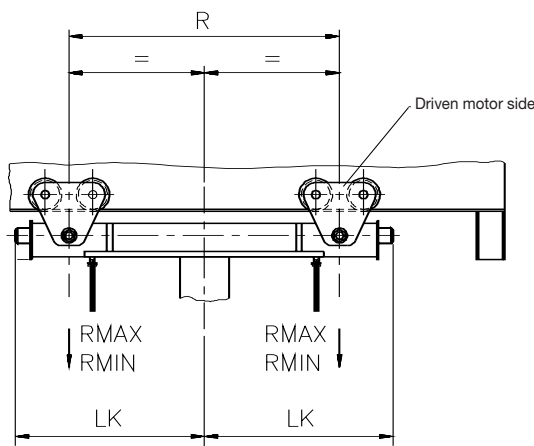




EDL Single Girder Underslung Cranes

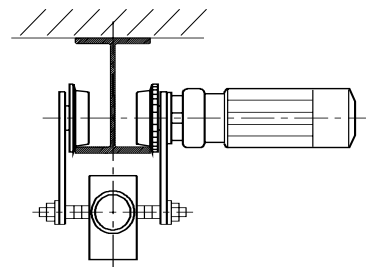
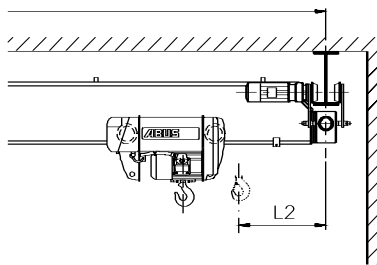


* Safety distance according to national regulations.



Variation 1:

The measurements A1, C1 and K1 are ABUS standard measurements and can be decreased by choosing variation 2, K1 will then increase accordingly, U1/2 has to be cut off and L1 and L2 will increase also.



Variation 2:

bottom of the main girder = bottom of the end carriage

For exact measurements of the Variation 2 please contact ABUS

Dimensions of EDL Single Girder Underslung Cranes

Load,	S ¹⁾	A1	C1	L1	L2	U1/2	Hmax ¹⁾	R	LK	K1	Wheel loads kN	
Hoist Type ¹⁾	m	mm	mm	mm	mm	mm	mm	mm	mm	mm	R max	R min
500 kg	5	390	880	-20	-250	500	8000	1500	975	170	4.6	1.6
Chain hoist	10	430	910	-20	-250	500	8000	1500	975	170	5.4	2.5
GM2 500	12	470	950	-20	-250	500	8000	2000	1225	170	6.3	3.5
FEM 2m	15	390	870	-270	-500	750	8000	2500	1475	60	8.3	5.3
V Hoist = 1/4 m/min	17	390	870	-270	-500	750	8000	2500	1475	20	9.4	6.5
1000 kg	5	390	910	-10	-250	500	6000	1500	975	170	7.3	1.4
Chain hoist	10	440	950	-10	-250	500	6000	1500	975	170	8.6	3.0
GM4 1000	12	390	910	-10	-250	500	6000	2000	1225	100	9.2	3.7
FEM 2m	15	390	900	-260	-500	750	6000	2500	1475	60	10.9	5.3
V Hoist = 1.3/5 m/min	17	390	900	-260	-500	750	6000	2500	1475	20	12.0	6.4
1600 kg	5	470	860	390	-40	500	9000	1500	975	170	11.3	2.1
Rope hoist	10	510	900	390	-40	500	9000	1500	975	170	12.7	3.6
GM 816 L6	12	510	900	390	-40	500	9000	2000	1225	170	13.2	4.2
FEM 4m	15	550	930	140	-290	750	9000	2500	1475	170	15.0	5.6
V Hoist = 0.8/5 m/min	17	470	850	140	-290	750	9000	2500	1475	60	16.4	7.1
2000 kg	5	490	880	390	-40	500	9000	1500	975	170	13.4	2.2
Rope hoist	10	480	860	390	-40	500	9000	1500	975	170	14.8	3.7
GM 820 L6	12	530	920	390	-40	500	9000	2000	1225	170	15.5	4.5
FEM 4m	15	470	850	140	-290	750	9000	2500	1475	100	17.3	5.8
V Hoist = 0.8/5 m/min	17	550	930	140	-290	750	9000	2500	1535	140	19.4	8.0

Load,	S ¹⁾	A1	C1	L1	L2	U1/2	Hmax ¹⁾	R	LK	K1	Wheel loads kN	
Hoist Type ¹⁾	m	mm	mm	mm	mm	mm	mm	mm	mm	mm	R max	R min
3200 kg	5	460	840	390	-40	500	9000	1500	975	170	19.4	2.3
Rope hoist	10	520	900	390	-40	500	9000	1500	975	170	21.4	4.4
GM 832 H6	12	570	950	390	-40	500	9000	2000	1265	160	23.2	6.2
FEM 2m	15	570	950	140	-290	750	9000	2500	1535	110	25.4	7.8
V Hoist = 0.8/5 m/min	17	570	950	140	-290	750	9000	2500	1535	60	26.7	9.3
5000 kg	5	620	1100	480	30	500	9000	2000	1265	250	30.2	4.3
Rope hoist	10	560	1040	480	30	500	9000	2000	1285	140	32.7	6.6
GM 1050 H6	12	560	1040	480	30	500	9000	2000	1285	140	33.5	7.3
FEM 2m	15	570	1050	230	-220	750	9000	2500	1535	10	35.9	8.8
V Hoist = 0.8/5 m/min	17	570	1050	230	-220	750	9000	2500	1535	-40	37.2	10.3
6300 kg	5	580	1060	580	130	500	9000	2000	1265	200	36.7	5.2
Rope hoist	10	570	1050	580	130	500	9000	2000	1285	10	39.6	7.3
GM 2063 H6	12	570	1050	580	130	500	9000	2000	1285	-40	40.9	8.4
FEM 1Am	14	570	1050	580	130	500	9000	2000	1285	-40	41.9	9.3
V Hoist = 0.8/5 m/min	16	580	1050	330	-120	750	9000	2500	1535	10	44.6	10.9
8000 kg	5	640	1200	620	180	500	10000	2000	1265	170	45.9	6.4
Rope hoist	8	630	1190	620	180	500	10000	2000	1285	20	47.9	7.2
GM 3080 H6												
FEM 3m												
V Hoist = 0.8/5 m/min												

1) Larger span cranes, other hoist specifications are available

Note:
All data refers to cranes fitted with the festoon cable method of cross bridge power supply.



Special building characteristics often require a special crane design. ABUS overhead travelling cranes provide an optimal solution where the building structures make the normal travelling cranes less suitable. The main feature is that the crane track is not fastened to pillars but to the ceiling of the building. Over and above these special requirements the ABUS overhead travelling crane DLVM/EDL offers the advantage of very small trolley approach dimensions and as a result an optimal utilisation of the building width.

The whole production process is aimed at long-term quality. Here the rust is removed from robust main girder profiles of the EDL at the beginning of the production process using mechanical shot blasting.



**ABUS in operation:
We would like to exceed your expectations**



