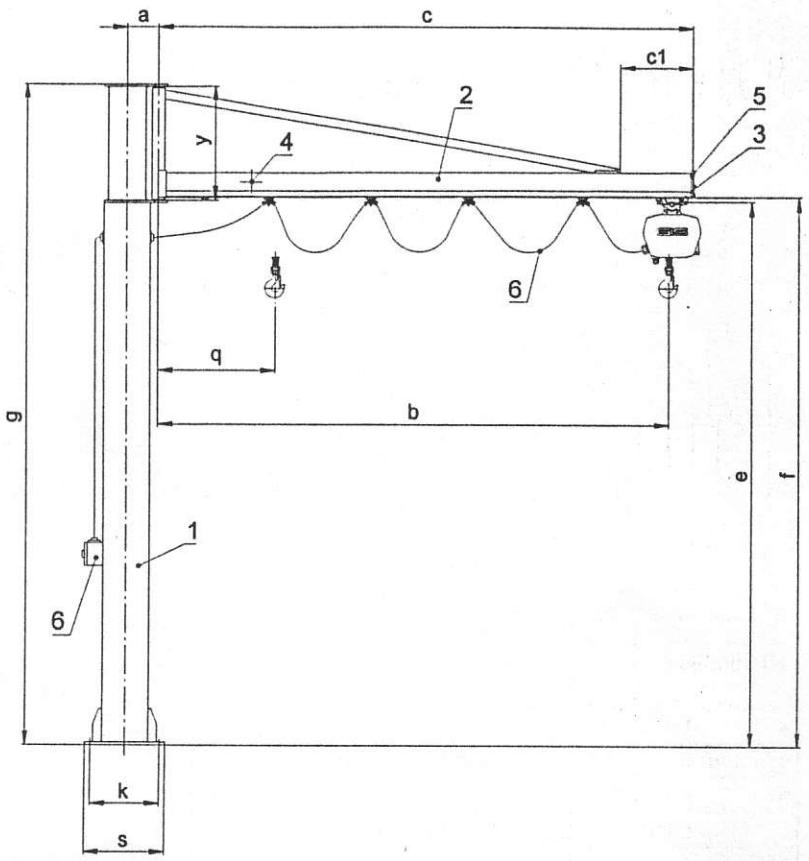
SLEWING PILLAR CRANE (SD)

Comprising:

1) Pillar
2) Jib
3) Trolley
4) Traction limit
5) Cover with buffer
6) Electric supplies

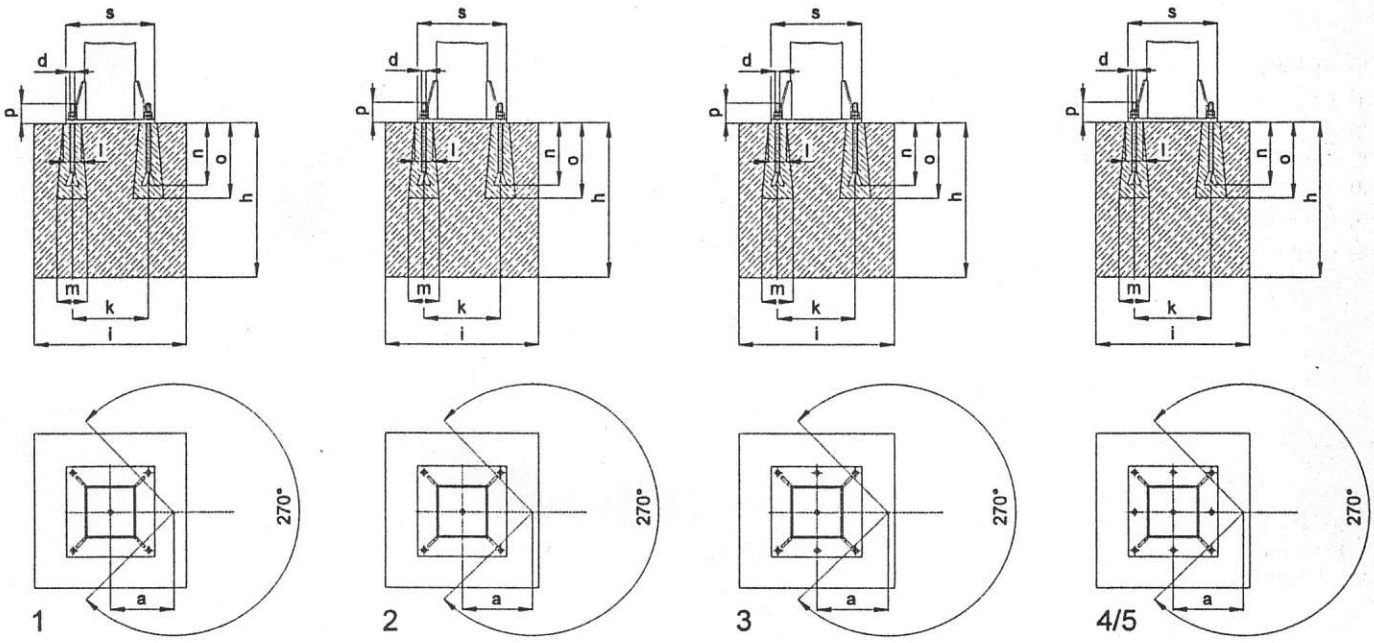


The deflection of the jib tip at maximum load is between L/250 and L/800 (L = total workable length of pillar and jib).

The electric supplies consisting of one mains operation switch (surface mounting type), three cable glands PG 21 for flat cable (pillar), one extension PG 16/21 (mains operation switch), one cable gland PG 21 for flat cable (GIS electric chain hoist), cable trolleys and flat cable 4 x 1.5 mm^2 (according to the length of the jib b).

SD number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Capacity [kg]	160	160	160	320	320	320	320	500	630	630	500	800	800	800	800	1000	1000	1000	1000
a [mm]	145	145	145	145	145	195	195	145	195	195	195	195	195	245	245	195	195	245	245
b [mm]	1890	2890	3890	1890	2890	3880	4880	1770	2880	3880	4880	1880	2880	3880	4880	1760	2760	3760	4760
c [mm]	2000	3000	4000	2000	3000	4000	5000	2000	3000	4000	5000	2000	3000	4000	5000	2000	3000	4000	5000
c1 [mm]	320	430	550	320	430	520	520	320	410	520	660	300	410	520	660	300	410	520	660
e [mm]	2980	2980	2980	2980	2980	3220	3220	2980	3220	3260	3260	3220	3260	3260	3260	3220	3260	3260	3260
f [mm]	3010	3010	3010	3010	3010	3250	3250	3010	3250	3290	3290	3250	3290	3290	3290	3250	3290	3290	3290
g [mm]	3500	3500	3500	3500	3500	4140	4140	3500	4140	4180	4180	4140	4180	4180	4180	4140	4180	4180	4180
k [mm]	300	300	300	300	300	450	450	300	450	450	450	450	450	580	580	450	450	580	580
q [mm]	405	505	605	405	505	615	615	525	515	615	615	415	515	615	615	535	635	735	735
s [mm]	350	350	350	350	350	500	500	350	500	600	600	500	600	700	700	500	600	700	700
y [mm]	501	501	501	501	501	901	901	501	901	901	901	901	901	901	901	901	901	901	901
GIS profile	*KB I*	*KB I*	*KB I*	*KB I*	*KB I*	*KB II*	*KB II*	*KB I*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*	*KB II*
Ordering ref.	9311.1000/160	9311.1001/160	9311.1002/160	9311.1003/320	9311.1004/320	9311.1005/320	9311.1006/320	9311.1007/500	9311.1008/630	9311.1009/630	9311.1010/500	9311.1011/800	9311.1012/800	9311.1013/800	9311.1014/800	9311.1015/1000	9311.1016/1000	9311.1017/1000	9311.1018/1000

Suggestion regarding foundation



SD number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
a [mm]	145	145	145	145	145	195	195	145	195	195	195	195	195	245	245	195	195	245	245
d (holeø) [mm]	20	20	20	20	20	27	27	20	27	27	27	27	27	30	30	27	27	30	30
h [mm]	600	600	600	600	700	700	800	800	800	900	1000	1000	1000	1200	1200	1000	1200	1200	1200
i [mm]	900	1000	1100	1100	1200	1300	1400	1200	1400	1500	1600	1400	1600	1700	1900	1500	1700	1900	2000
k [mm]	300	300	300	300	300	450	450	300	450	450	450	450	450	580	580	450	450	580	580
l [mm]	70	70	70	70	70	90	90	70	90	90	90	90	90	100	100	90	100	100	100
m [mm]	120	120	120	120	120	160	160	120	160	160	160	160	160	160	180	160	180	180	180
n [mm]	250	320	320	320	320	420	420	420	420	620	620	620	620	720	720	620	720	720	720
o [mm]	300	400	400	400	400	500	500	500	500	700	700	700	700	800	800	700	800	800	800
p [mm]	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
s [mm]	350	350	350	350	350	500	500	350	500	600	600	500	600	700	700	500	600	700	700
Size drill hole acc. to sketch	1	1	1	1	1	2	2	1	2	3	3	2	3	4	4	2	3	4	5
No. of bolts	4	4	4	4	4	4	4	4	4	6	6	4	6	8	8	4	6	8	8
Anchor bolt	M16	M16	M16	M16	M16*	M24	M24	M16*	M24	M24	M24*	M24	M24	M27	M27	M24*	M24*	M27	M27*
Tensile force of each bolt [kN]	6.7	9.7	13.0	11.7	17.0	15.7	19.5	22.5	23.0	26.0	32.5	23.5	29.5	24.5	30.0	30.0	38.0	32.0	40.0
Pressure between ground plate and foundation [N/mm²]	0.8	1.17	1.54	1.4	2.05	0.94	1.16	2.71	1.39	1.06	1.31	1.41	1.18	0.99	1.22	1.83	1.54	1.29	1.59
Foundat. pressure [kg/cm²]	0.47	0.5	0.5	0.45	0.51	0.53	0.53	0.67	0.63	0.68	0.69	0.64	0.62	0.69	0.61	0.68	0.68	0.64	0.68

The fixings to be supplied by customer!

* foundation bolts of steel 52

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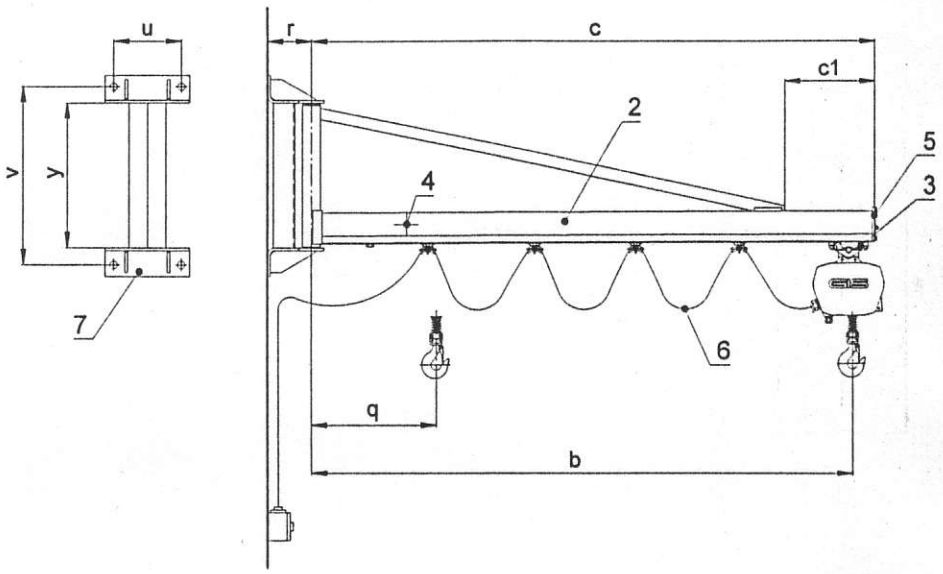
SLEWING WALL CRANE (WD)

Comprising:

2) Jib
3) Trolley
4) Traction limit
5) Cover with buffer
6) Electric supplies
7) Console

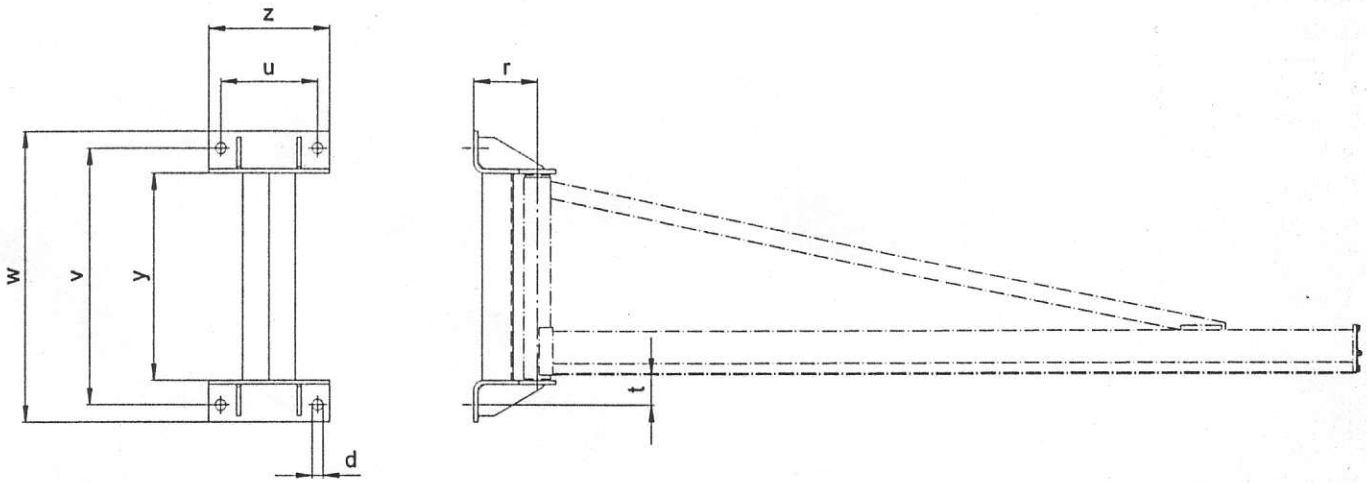


The deflection of the jib tip at maximum load is between c/250 and c/800 (c = length of jib).

The electric supplies consisting of one mains operation switch (surface mounting type), one cable gland PG 21 for flat cable and one extension PG 16/21 (mains operation switch), one cable gland PG 21 for flat cable (GIS electric chain hoist), cable trolleys and flat cable 4 x 1.5 mm^2 (according to the length of the jib b). The length of the flat cable is calculated by the maximum assembled height of 4 m measured from lower flange of jib.

WD number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Capacity [kg]	160	160	160	320	320	320	320	500	630	630	500	800	800	800	800	1000	1000	1000	1000
b [mm]	1890	2890	3890	1890	2890	3880	4880	1770	2880	3880	4880	1880	2880	3880	4880	1760	2760	3760	4760
c [mm]	2000	3000	4000	2000	3000	4000	5000	2000	3000	4000	5000	2000	3000	4000	5000	2000	3000	4000	5000
c1 [mm]	320	430	550	320	430	520	520	320	410	520	660	300	410	520	660	300	410	520	660
q [mm]	405	505	605	405	505	615	615	525	515	615	615	415	515	615	615	535	635	735	735
r [mm]	160	160	160	160	160	185	185	160	185	185	185	185	185	185	185	185	185	185	185
u [mm]	240	240	240	240	240	340	340	240	340	340	340	340	340	340	340	340	340	340	340
v [mm]	620	620	620	620	620	1020	1020	620	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
y [mm]	501	501	501	501	501	901	901	501	901	901	901	901	901	901	901	901	901	901	901
GIS profile	*KB* I	*KB* I	*KB* I	*KB* I	*KB* I	*KB* II	*KB* II	*KB* I	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II	*KB* II
Ordering ref.	9311.1019/160	9311.1020/160	9311.1021/160	9311.1022/320	9311.1023/320	9311.1024/320	9311.1025/320	9311.1026/500	9311.1027/630	9311.1028/630	9311.1029/500	9311.1030/800	9311.1031/800	9311.1032/800	9311.1033/800	9311.1034/1000	9311.1035/1000	9311.1036/1000	9311.1037/1000

Drilling plan and pressure on the fixing face



WD number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Console	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2
d (holeø) [mm]	27	27	27	27	27	30	30	27	30	30	30	30	30	30	30	30	30	30	30
r [mm]	160	160	160	160	160	185	185	160	185	185	185	185	185	185	185	185	185	185	185
t [mm]	73	73	73	73	73	74	74	73	74	74	74	74	74	74	74	74	74	74	74
u [mm]	240	240	240	240	240	340	340	240	340	340	340	340	340	340	340	340	340	340	340
v [mm]	620	620	620	620	620	1020	1020	620	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
w [mm]	700	700	700	700	700	1100	1100	700	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
y [mm]	501	501	501	501	501	901	901	501	901	901	901	901	901	901	901	901	901	901	901
z [mm]	300	300	300	300	300	400	400	300	400	400	400	400	400	400	400	400	400	400	400
Anchor bolt	M24	M24	M24	M24	M24	M27	M27	M24	M27	M27	M27	M27	M27	M27	M27	M27	M27	M27	M27
Tensile force of each bolt [kN]	4.0	5.5	7.0	7.0	10.0	8.0	10.0	13.0	12.0	16.0	19.0	12.0	17.0	22.0*	27.0*	15.0	22.0*	29.0*	36.0*
Pressure between console and wall [N/mm^2]	0.35	0.45	0.6	0.6	0.85	0.5	0.65	1.0	0.75	1.0	1.2	0.75	1.1	1.4	1.7	0.95	1.4	1.8	2.2

* additional support to prevent distortion of the console is necessary (this to be arranged by the customer)

The fastening of the slewing wall crane is made by means of counter bearings, foundation bolts or safety straddling dowels. This material has to be supplied by the customer. When safety straddling dowels are used, these must be suitable for two and a half times the anchoring power.

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