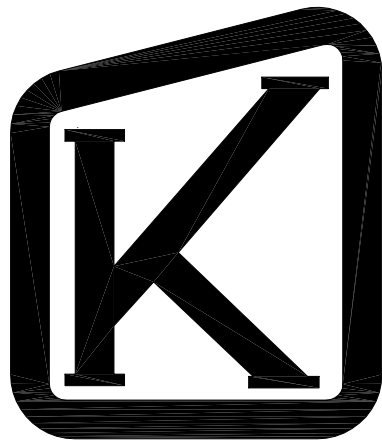
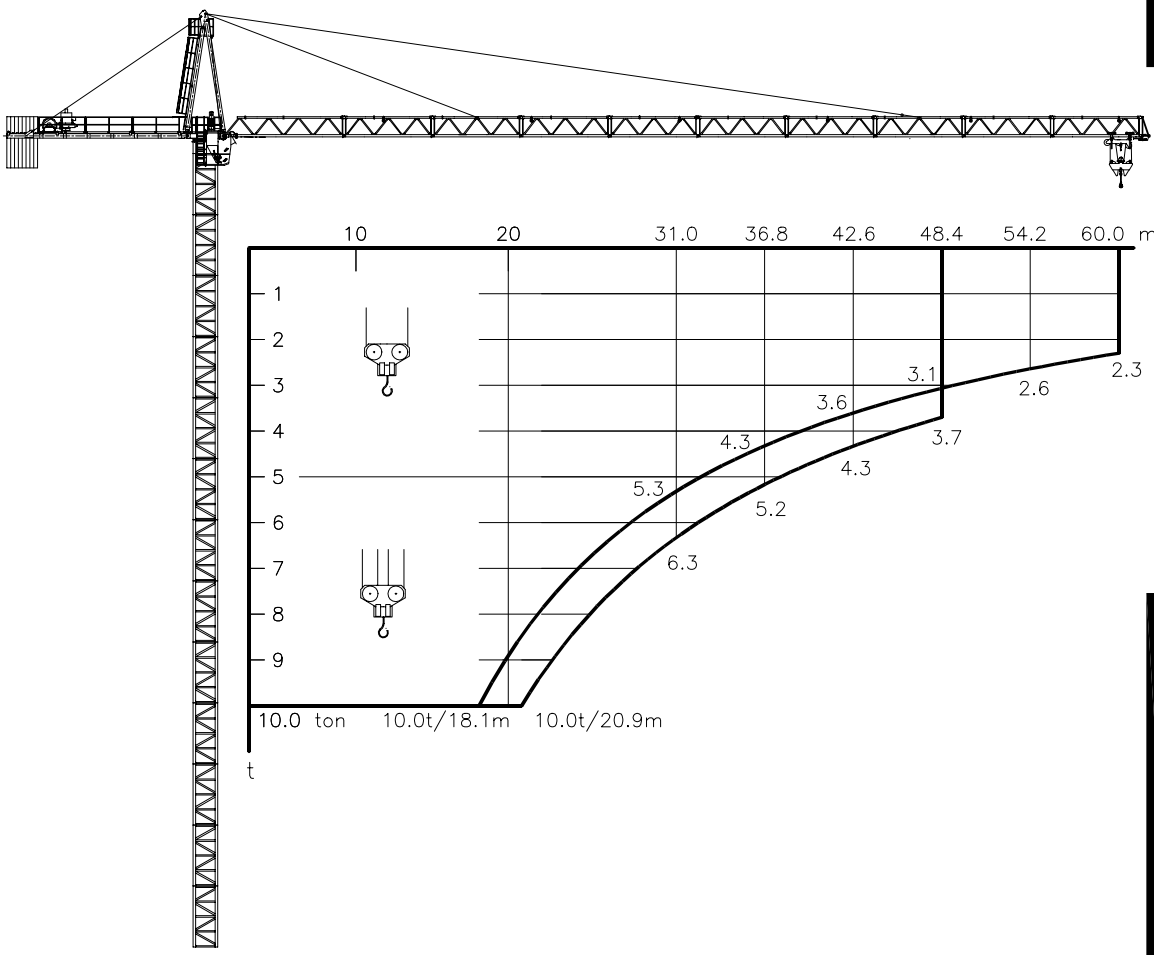


TECHNICAL
DATA

K-180



Mast sections
M16.1 / M16.2

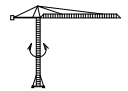
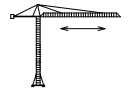
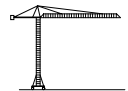
KRØLL CRANES A/S

Nordkranvej 2 · DK-3540 Lyngby · Denmark · Phone: +45 48 187400 · Fax: +45 48 188807

E-mail: krollcranes@krollcranes.dk · www.krollcranes.com

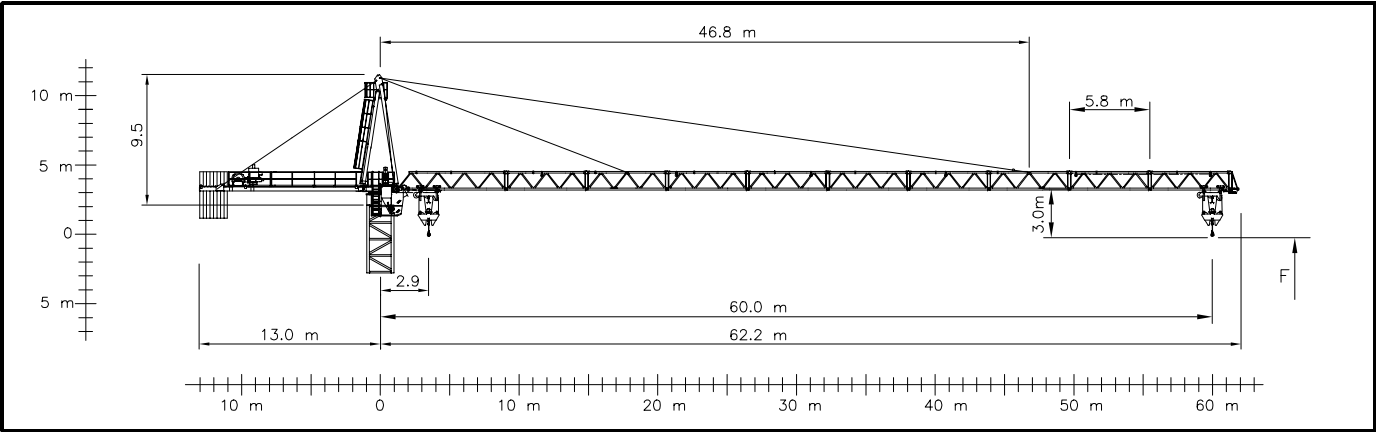
	STANDARD VOLTAGES	CONTROL VOLTAGE / STEUER SPANNUNG
	3 x 380-440 V, 50-60 Hz	24 VDC - 220 VAC

	HOIST WINCH/HUBWERK	30 kW (optional)	56 kW (standard)
	POWER CONSUMPTION/STROMVERBRAUCH	60 kVA	90 kVA
	FUSE / SICHERUNG	100 Amps	125 Amps
	POWER CABLE	0-100 m	4G35
		100-175 m	4G35
	HAUPTKABEL	175-250 m	4G50
	0-2500 kg	0 - 60 m/min	0 - 100 m/min
	0-5000 kg	0 - 30 m/min	0 - 60 m/min
	0-5000 kg	0 - 30 m/min	0 - 50 m/min
	0-10000 kg	0 - 15 m/min	0 - 30 m/min

	2 x 5 kW	MAX JIB MAX AUSLEGER	0 - 0.7 RPM
	7.1 kW	0-5 t 5-10 t	0 - 70 m/min 0 - 50 m/min
	4 kW units	F _{max}	25 m/min

HOIST ROPE	ø15 mm	- FILL FACTOR 0.65	- 1770 MPa BREAKING STRESS
HUB-SEIL	56 kW HOIST WINCH		BRUCHSPANNUNG
	500 m		
	>500 m *		
TROLLEY ROPE	ø8 mm		
LAUFKATZE-SEIL			

* CONSULT KRØLL CRANES A/S - NEHMEN SIE MIT KRØLL CRANES A/S KONTAKT AUF



APPROX. ERECTION WEIGHTS
UNGEFÄHRE MONTAGEGEWICHTE

The diagram illustrates the components of a crane for erection. The main vertical assembly consists of a top tower (1), a masthead (2), a cabin (3), and several mast sections (6, 7, 8) mounted on a base (9-10). A rear jib (4) is attached to the masthead, and a hoist winch (5) is mounted on its end. A counterweight (14) is shown separately. Base pads (11-13) are also indicated.

L	kg
60	10200
54	9700
48	9200
42	8700
36	8200
31	7700

POS	ITEM	kg
1	TOP TOWER	2175
2	MASTHEAD	3824
3	CABIN	2000
4	REAR JIB	4668
5	HOIST WINCH	1875
6	M16	1680
7	M016	1760
8	M16-2	4020

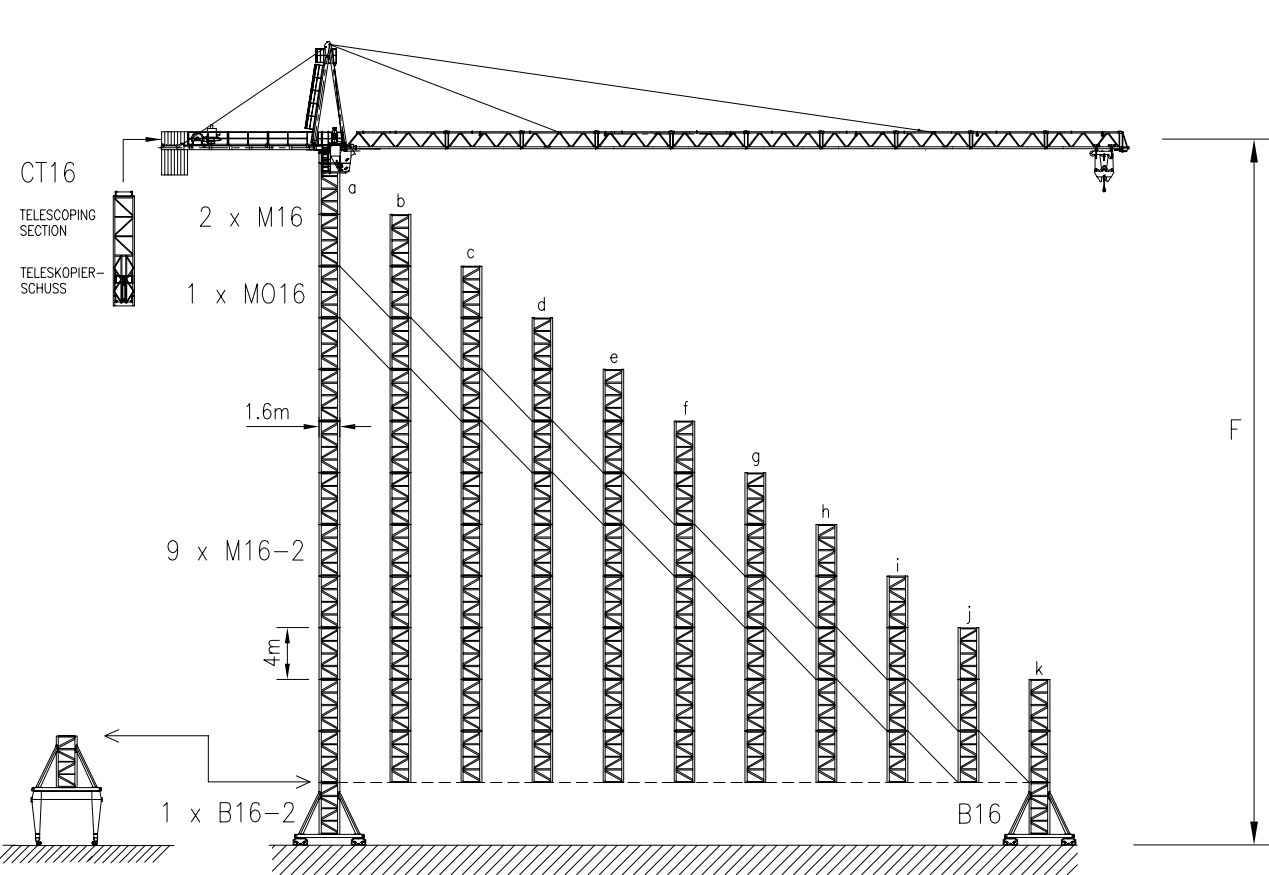
POS	ITEM	kg
9	B16, 6m	2200
10	B16-2, 6m	4000
11	N16	900
12	N16-2	1500
13	BASE PADS (4)	888
14	CT16	5700
15		
16		

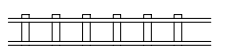
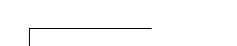
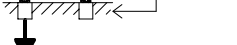
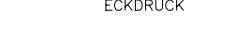
EXTRA EQUIPMENT AVAILABLE	
WALL TIE FRAMES, CABLE DRUMS, CURVE RUNNING AND 90° TURN BOGIES, ELEVATOR, FLOOD LIGHTING	
ZUSÄTZLICHE AUSRÜSTUNG VERFÜGBAR	
EINSpanNRAHMEN, KABELTROMMEL, KURVENFAHRENDE UND 90° DREHSCHEMEL, AUFZUG, SCHEINWERFER	

THE DESIGN AND TECHNICAL SPECIFICATIONS GIVEN ARE APPLICABLE TO THE STANDARD MACHINE OF CRANE K-180. MODIFICATIONS ACCORDING TO SPECIAL REQUIREMENTS REGARDING FOR EXAMPLE HOOK HEIGHT, JIB LENGTH, RAIL GAUGE, ETC.. ARE AVAILABLE. PLEASE CONTACT KRØLL CRANES A/S	
DIE KONSTRUKTIONS- UND TECHNISCHE DATEN BEZIEHEN SICH AUF DIE STANDARDAUSFÜHRUNG DES KRANTYPS K-180. INDIVIDUELLE FORDERUNGEN Z.B AN HAKENHÖHE, AUSLEGERLÄNGE, SPURWEITE USW. KÖNNEN BERÜCKSICHTIGT WERDEN. NEHMEN SIE MIT KRØLL CRANES A/S KONTAKT AUF	

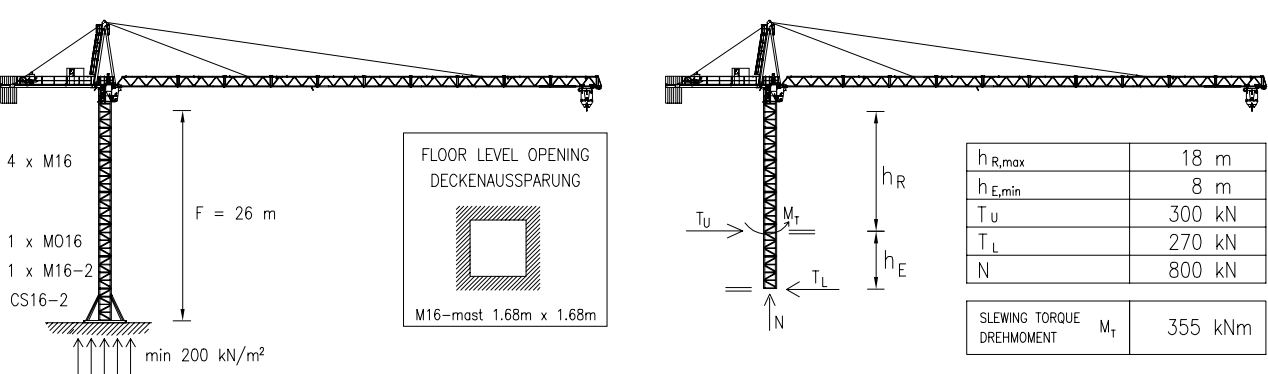
CONVERSION OF THE UNITS FOR FORCES	10 N = 1 kg	SUBJECT TO ALTERATIONS	F.E.M	DATA SHEET	K-180
UMRECHNUNG DER EINHEITEN FÜR KRÄFTE	10 kN = 1 ton	ÄNDERUNGEN VORBEHALTEN		DATABLATT	010401

K-180 ON RAILS / AUF SCHIENEN

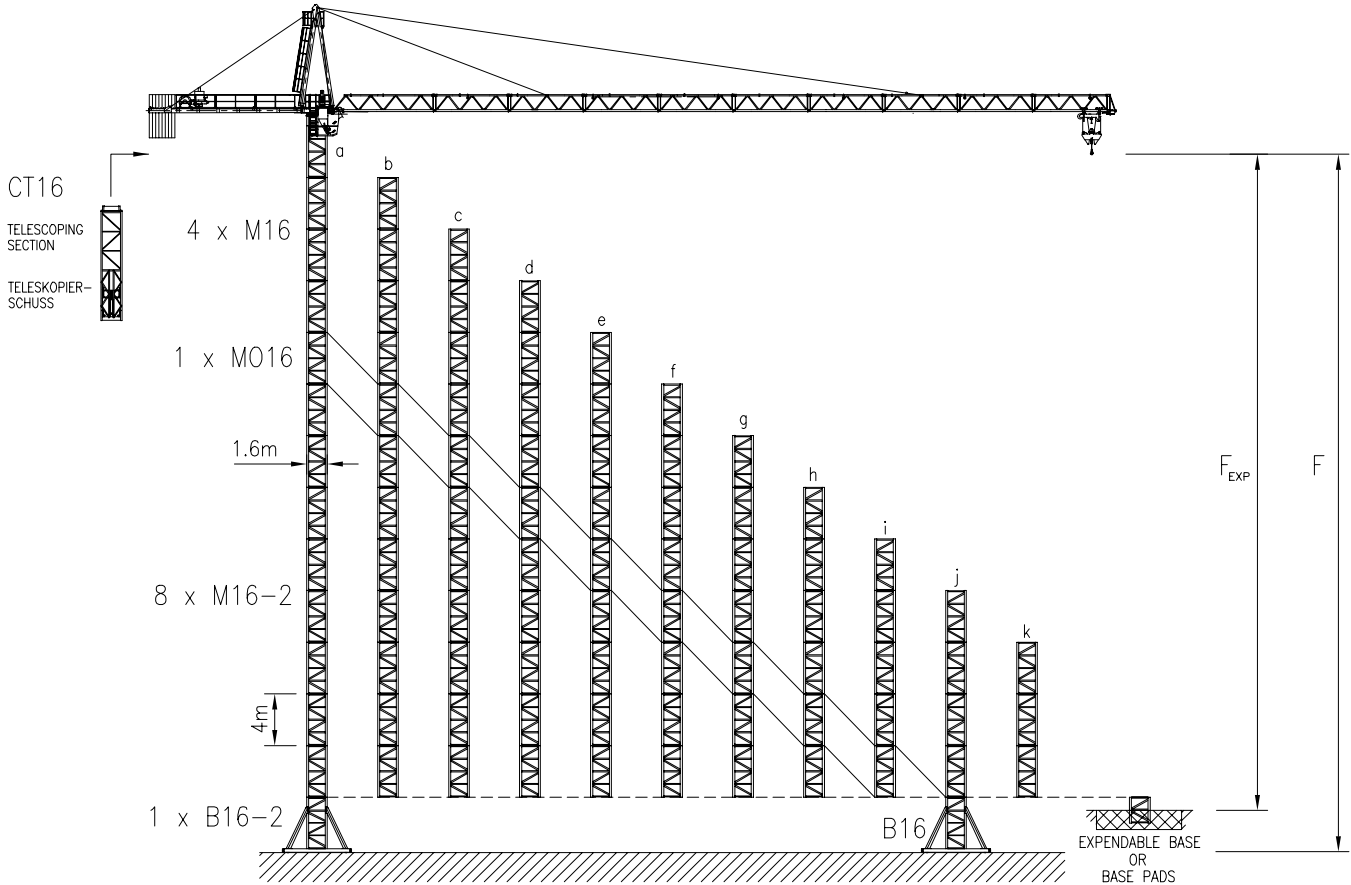


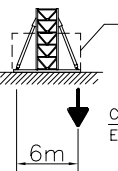
HOOK HEIGHT / HAKENHÖHE		F	m	a	b	c	d	e	f	g	h	i	j	k
 RAIL GAUGE SPURWEITE		m		51	47	43	39	35	31	27	23	19	15	11
 BALLAST		t		75	64	57	51	45	41	37	34	32	30	30
 PARKING FOUNDATIONS PARKIERUNGSFUNDAMENTE		x4	t	0	0	0	0	0	0	0	0	0	0	0
 IN SERVICE IM BETRIEB		kN		970	900	830	770	710	660	620	580	540	510	480
 OUT OF SERVICE AUSSER BETRIEB		kN		1120	960	820	690	550	450	390	360	350	330	330

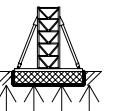
K-180 CLIMBER / KLETTERKRAN

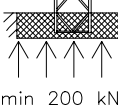


K-180 STATIONARY / STATIONÄR



HOOK HEIGHT / HAKENHÖHE		F	m	a	b	c	d	e	f	g	h	i	j	k
	BALLAST	t		96	73	59	54	49	46	43	40	38	37	35
	IN SERVICE IM BETRIEB	kN		890	830	760	720	680	640	600	570	540	510	480
	OUT OF SERVICE AUSSER BETRIEB	kN		1230	1060	910	770	640	530	430	360	350	340	330

	B x B x H	F	m	54	50	46	42	38	34	30	26	22	18	14
	H=1.0m	B	m	7.9	7.5	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
	FOUNDATION WEIGHT FUNDAMENTSGEWICHT	ton		146	132	118	115	115	115	115	115	115	115	115

	B x B x H	F _{EXP}	m	50	46	42	38	34	30	26	22	18	14	10
	H=1.4m	B	m	7.3	6.9	6.5	6.5	6.1	6.0	5.9	5.8	5.7	5.7	5.6
	FOUNDATION WEIGHT FUNDAMENTSGEWICHT	ton		175	157	139	139	122	118	114	110	107	107	103

JIB CONFIGURATION												AUSLEGER KONFIGURATION											
JIB LENGTH AUSLEGER- LÄNGE	INNER SECTION	HEAVY SECTION	HEAVY EYE SECTION	HEAVY SECTION	LIGHT SECTION	LIGHT EYE SECTION	LIGHT SECTION	INNER STAY INNERE ZUGSTANG						OUTER STAY ÄUSSERE ZUGSTANG						COUNTERWEIGHT GEGENGEWICHT			
								1900 mm	700 mm	3110 mm	6100 mm	5440 mm	1150 mm	1110 mm	2450 mm	6100 mm	5670 mm	5710 mm	1150 mm			TOTAL t	
60 m	1	1	1	1	3	1	2	1	1	1	1	1	1	1	1	1	4	1	2	1	8	0	24.0
54 m	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	4	1	2	1	7	0	21.0
48 m	1	1	1	1	3	1	0	1	1	1	1	1	1	1	1	1	4	1	2	1	7	0	21.0
42 m	1	1	1	1	2	1	0	1	1	1	1	1	1	1	1	1	4	1	1	1	6	0	18.0
36 m	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	4	1	0	1	5	1	15.5
31 m	1	0	1	2	0	1	0	1	1	1	1	0	1	1	1	1	4	0	0	1	4	3	13.5