

# KOBELCO RK70 SAFE WORKING LOAD CHART - No 1 & 2

(UNITS - tonnes)

## LOADS ON MAIN BOOM - CRANE SUPPORTED ON OUTRIGGERS

Working Radius (m)	OUTRIGGERS FULLY EXTENDED							OUTRIGGERS EXTENDED TO MID POINT (3.0m SPREAD)							OUTRIGGERS FULLY RETRACTED							Working Radius (m)	
	360 DEGREES							OVER SIDE							OVER SIDE								
	4.88m Boom	8.10m Boom	11.31m Boom	14.53m Boom	17.74m Boom	16.38m Boom	21.21m Boom	4.88m Boom	8.10m Boom	11.31m Boom	14.53m Boom	17.74m Boom	16.38m Boom	21.21m Boom	4.88m Boom	8.10m Boom	11.31m Boom	14.53m Boom	17.74m Boom	16.38m Boom	21.21m Boom		
1.0	7.00	4.90					7.00	4.90						7.00	4.90								1.0
1.5	7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00				7.00	4.90	4.90	4.00						1.5
2.0	7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00			1.40	5.40	4.90	4.90	4.00			1.40			2.0
2.5	7.00	4.90	4.90	4.00	4.00	1.40	1.40	7.00	4.90	4.90	4.00	4.00	1.40	3.54	3.27	3.25	3.45	4.00	1.40				2.5
3.0	6.10	4.90	4.90	4.00	4.00	1.40	1.40	6.10	4.90	4.90	4.00	4.00	1.40	2.60	2.40	2.35	2.50	2.97	1.40	1.40			3.0
3.5	5.30	4.90	4.90	4.00	4.00	1.40	1.40	5.30	4.90	4.90	4.00	4.00	1.40	2.01	1.81	1.80	1.90	2.27	1.40	1.40			3.5
4.0		4.50	4.50	4.00	4.00	1.40	1.40		3.78	3.80	4.00	4.00	1.40		1.38	1.35	1.53	1.79	1.40	1.40			4.0
4.5		3.85	3.87	3.50	3.50	1.40	1.40		3.07	3.00	3.30	3.15	1.40		1.10	1.05	1.25	1.44	1.40	1.40			4.5
5.0		3.33	3.37	3.11	3.13	1.40	1.40		2.48	2.50	2.75	2.64	1.40		0.87	0.85	1.00	1.16	1.40	1.37			5.0
5.5		2.95	2.97	2.77	2.82	1.40	1.40		2.05	2.10	2.28	2.64	1.40		0.67	0.63	0.80	0.93	1.19	1.15			5.5
6.0		2.62	2.65	2.50	2.56	1.40	1.40		1.73	1.75	1.97	2.24	1.40		0.49	0.45	0.60	0.75	0.96	0.97			6.0
7.0		2.26	2.14	2.07	2.15	1.40	1.40		1.46	1.20	1.42	1.97	1.40		0.29	0.18	0.36	0.47	0.77	0.68			7.0
8.0		(6.7m)	1.77	1.75	1.84	1.40	1.40		(6.7m)	0.85	1.10	1.50	1.14	1.34			0.18		0.28	0.48	0.47		8.0
9.0			1.48	1.50	1.60	1.40	1.23			0.60	0.83	1.14	0.91	1.06				0.11	0.28	0.31			9.0
10.0			1.25	1.30	1.40	1.40	1.09			0.45	0.61	0.91	0.70	0.87					0.12	0.18			10.0
11.0			(9.9m)	1.14	1.25	1.20	0.98			(9.9m)	0.43	0.71	0.54	0.71									11.0
12.0				0.96	1.07	1.02	0.89				0.29	0.54	0.39	0.58									12.0
13.0				0.78	0.88	0.85	0.82				0.18	0.39	0.27	0.46									13.0
14.0				0.77	0.73	0.70	0.75				0.17	0.27	0.17	0.36									14.0
15.0			(13.1m)	0.60	0.59	0.69				(13.1m)	0.10			0.27									15.0
16.0				0.49	0.59	0.64								0.20									16.0
17.0				0.46	(15.1m)	0.57								0.13									17.0
18.0				(19.3m)		0.50																	18.0
19.0						0.41																	19.0
20.0						0.35																	20.0
21.0						(19.9m)																	21.0
Minimum Boom Angle												30 deg.	21 deg.	30 deg.				44 deg.	51 deg.	55 deg.	52 deg.	58 deg.	Minimum Boom Angle

LOADS ABOVE HEAVY LINED AREA OF CHART ARE LIMITED BY CRANE STRUCTURAL STRENGTH  
ALL OTHER LOADS ARE LIMITED BY 75% OF TIPPING

Courtesy of Crane Market