

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											
	360 DEGREES					INCLUDING JIB					OVER SIDE					INCLUDING JIB					OVER SIDE					INCLUDING JIB						
	4.8m 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	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	4.90	4.00			7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	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			7.00	4.90	4.90	4.00	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			7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	2.0
2.5	7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	4.90	4.90	4.00			7.00	4.90	4.90	4.00	2.5
3.0	6.10	4.90	4.90	4.00			6.10	4.90	4.90	4.00			6.10	4.90	4.90	4.00			6.10	4.90	4.90	4.00	2.60	2.40	2.35	2.50	2.97	1.40	1.40	1.40	1.40	3.0
3.5	5.30	4.90	4.90	4.00			5.30	4.90	4.90	4.00			5.30	4.90	4.90	4.00			5.30	4.90	4.90	4.00	2.01	1.81	1.80	1.90	2.27	1.40	1.40	1.40	1.40	3.5
4.0	4.50	4.50	4.00	4.00			4.50	4.00	3.80	4.00			4.50	4.00	3.80	4.00			4.50	4.00	3.80	4.00	1.38	1.35	1.53	1.79	1.40	1.40	1.40	1.40	4.0	
4.5	3.85	3.87	3.50	3.50			3.85	3.50	3.00	3.30			3.85	3.50	3.00	3.30			3.85	3.50	3.00	3.30	1.10	1.05	1.25	1.44	1.40	1.40	1.40	1.40	4.5	
5.0	3.33	3.37	3.11	3.13			3.33	3.13	2.50	2.75			3.33	3.13	2.50	2.75			3.33	3.13	2.50	2.75	0.87	0.85	1.00	1.16	1.40	1.40	1.37	1.40	5.0	
5.5	2.95	2.97	2.77	2.82			2.95	2.82	2.10	2.28			2.95	2.82	2.10	2.28			2.95	2.82	2.10	2.28	0.67	0.63	0.80	0.93	1.19	1.15	1.15	1.15	5.5	
6.0	2.62	2.65	2.50	2.56			2.62	2.56	1.73	1.75			2.62	2.56	1.73	1.75			2.62	2.56	1.73	1.75	0.49	0.45	0.60	0.75	0.96	0.97	0.97	0.97	6.0	
7.0	2.26	2.14	2.07	2.15			2.26	2.15	1.46	1.20			2.26	2.15	1.46	1.42			2.26	2.15	1.46	1.42	0.29	0.18	0.36	0.47	0.77	0.68	0.68	0.68	7.0	
8.0		(6.7m)	1.77	1.75	1.84	1.40	1.40		0.85	1.10			1.77	1.75	1.42	1.97			1.77	1.75	1.42	1.97	0.16	0.18	0.36	0.47	0.77	0.68	0.68	0.68	8.0	
9.0			1.48	1.50	1.60	1.40	1.23		0.60	0.83			1.48	1.50	1.14	1.50			1.48	1.50	1.14	1.50	0.11	0.11	0.28	0.31	0.31	0.31	0.31	9.0		
10.0			1.25	1.30	1.40	1.40	1.09		0.45	0.61			1.25	1.30	0.91	0.91			1.25	1.30	0.91	0.91	0.12	0.12	0.18	0.18	0.18	0.18	0.18	10.0		
11.0			(9.9m)	1.14	1.25	1.20	0.98		(9.9m)	0.43			(9.9m)	0.98	0.71	0.54	0.71			(9.9m)	0.98	0.71	0.54	0.71	0.16	0.26	0.48	0.47	0.47	0.47	11.0	
12.0				0.96	1.07	1.02	0.89			0.29				0.89	0.54	0.39	0.58				0.89	0.54	0.39	0.58	0.16	0.26	0.48	0.47	0.47	12.0		
13.0				0.78	0.88	0.85	0.82			0.18				0.82	0.39	0.27	0.46				0.82	0.39	0.27	0.46	0.16	0.26	0.48	0.47	0.47	0.47	13.0	
14.0				0.77	0.73	0.70	0.75			0.17				0.75	0.27	0.17	0.36				0.75	0.27	0.17	0.36	0.16	0.26	0.48	0.47	0.47	0.47	14.0	
15.0				(13.1m)	0.60	0.59	0.69			(13.1m)				0.69	0.27	0.10	0.27				0.69	0.27	0.10	0.27	0.16	0.26	0.48	0.47	0.47	0.47	15.0	
16.0					0.49	0.59	0.64							0.64	0.20		0.20				0.64	0.20		0.20	0.16	0.26	0.48	0.47	0.47	0.47	16.0	
17.0					0.46	(15.1m)	0.57							0.57	0.13		0.13				0.57	0.13		0.13	0.16	0.26	0.48	0.47	0.47	0.47	17.0	
18.0					(16.3m)	0.50	0.50							0.50							0.50				0.16	0.26	0.48	0.47	0.47	0.47	18.0	
19.0						0.41	0.41							0.41							0.41				0.16	0.26	0.48	0.47	0.47	0.47	19.0	
20.0						0.35	0.35							0.35							0.35				0.16	0.26	0.48	0.47	0.47	0.47	20.0	
21.0						(19.9m)	(19.9m)							(19.9m)							(19.9m)				0.16	0.26	0.48	0.47	0.47	0.47	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