

# 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						INCLUDING JIB	OVER SIDE					INCLUDING JIB	OVER SIDE					INCLUDING JIB				
	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
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		1.40		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	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	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	1.40		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	1.40		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	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	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	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	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		(6.7m)		0.16	0.26	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					(16.3m)		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