



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

**4600 SERIES-4
RINGER® - SERIES-3**

**JIB NO. 27AB WITH 41'0" STRUT ON
BOOM NO. 65 — 60 FT. RINGER ATTACHMENT
978,700 LB. AUXILIARY COUNTERWEIGHT**

6 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 7300-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation.

Capacities do not exceed **75%** of a static tipping load with machine on a firm, level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is the horizontal distance from the axis of rotation to the center of

vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the jib load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved. Upper jib point capacity for single part line is 44,000 lbs. Maximum capacity on 1-1/4" — 6 x 31 EEIPS, IWRC is 44,000 lbs./line. Refer to jib assembly No. 190645. Jib extension No. 125 is to be used only on 120 ft. of jib No. 27AB with 6 degree jib offset angle.

80 FOOT JIB	JIB POINT RAD.: FEET	CAPACITIES IN POUNDS											JIB POINT RAD.: FEET
		BOOM LENGTH — FEET											
		180	200	220	240	260	280	300	320	340	360	380	
	80	631,600											80
	85	616,700	599,400										85
	90	605,100	595,100	574,700	551,600								90
	95	570,100	590,100	570,800	548,600	524,100							95
	100	538,900	572,400	567,100	545,800	523,100	484,400	433,500					100
	105	510,900	543,400	563,400	543,000	520,900	479,600	428,800	386,800	340,200			105
	110	485,700	517,200	556,400	540,300	519,000	474,800	424,500	385,500	340,200	303,400		110
	115	462,900	493,400	531,600	537,500	516,900	470,100	420,300	381,700	340,200	303,400	268,300	115
	120	442,100	471,700	509,000	534,700	514,800	465,500	416,200	378,000	340,200	303,400	268,300	120
	125	423,100	451,800	488,200	526,000	511,900	461,000	412,000	374,400	340,200	303,400	268,300	125
	130	405,600	433,500	469,100	505,800	506,200	456,500	408,000	370,900	338,700	303,400	268,300	130
	135	389,600	416,700	451,400	487,100	500,500	452,000	404,000	367,300	335,600	303,400	268,300	135
	140	374,800	401,100	435,000	469,800	494,800	447,800	400,200	363,900	332,600	303,400	268,300	140
	150	348,300	373,200	405,500	438,600	457,000	439,300	392,600	357,100	326,600	303,400	268,300	150
	160	325,300	348,900	379,900	411,300	416,500	413,300	385,300	350,700	320,900	303,200	268,300	160
	170	305,100	327,600	357,300	384,700	381,700	378,500	374,700	344,400	315,400	298,500	268,300	170
	180	287,400	308,800	337,300	354,600	351,500	348,300	344,900	334,300	310,200	293,600	268,300	180
	190	271,600	292,000	319,400	328,100	325,000	321,800	318,500	312,800	298,300	284,700	261,000	190
	200	257,500	277,000	303,400	304,800	301,600	298,400	295,100	292,200	279,800	267,000	254,000	200
	210	244,900	263,500	287,100	284,000	280,800	277,600	274,300	271,400	262,900	250,900	238,600	210
	220	233,400	251,300	268,400	265,400	262,000	259,000	255,600	252,800	247,500	236,200	224,500	220
	230	223,100	239,600	247,300	248,600	245,400	242,200	238,800	236,000	232,700	222,700	211,500	230
	240	210,000	220,100	227,200	232,800	230,200	227,000	223,600	220,800	217,400	210,200	199,500	240
	250		202,200	208,900	214,100	216,400	213,200	209,800	206,900	203,500	198,500	188,400	250
	260		185,300	192,100	197,000	201,700	200,500	197,100	194,300	190,900	187,600	178,000	260
	270			176,600	181,300	185,700	188,900	185,500	182,700	179,300	176,500	168,300	270
	280				166,800	171,000	174,500	174,800	172,000	168,600	165,800	159,100	280
	290				153,300	157,300	160,600	163,100	162,100	158,700	155,900	150,300	290
	300					144,600	147,700	150,000	152,600	149,600	146,800	142,100	300
	310					132,700	135,700	137,900	140,300	141,100	138,300	134,200	310
	320						124,500	126,600	128,800	130,000	130,300	126,600	320
	330							115,900	118,100	119,200	120,600	119,400	330
	340							106,000	108,100	109,000	110,300	110,800	340
	350								98,600	99,500	100,700	101,000	350
	360									90,500	91,600	91,800	360
	370										83,100	83,200	370
	380											75,100	380

MAXIMUM BOOM, JIB AND JIB EXTENSION LENGTHS LIFTED UNASSISTED			DEDUCT FROM CAPACITIES WHEN JIB EXTENSION IS ATTACHED	
Boom Length	Jib No. 27AB	Jib Extension No. 125	Jib Extension Length	Jib Extension No. 125
380'	120'	80'	40'	6,100 lb.
			50'	6,900 lb.
			60'	7,800 lb.
			70'	8,400 lb.
			80'	9,300 lb.

Load block, hook and weight ball on ground at start.



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**JIB NO. 27AB WITH 41'0" STRUT ON
BOOM NO. 65 — 60 FT. RINGER ATTACHMENT
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6 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 7300-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation.

Capacities do not exceed 75% of a static tipping load with machine on a firm, level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is the horizontal distance from the axis of rotation to the center of

vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the jib load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved. Upper jib point capacity for single part line is 44,000 lbs. Maximum capacity on 1-1/4" — 6 x 31 EEIPS, IWRC is 44,000 lbs./line. Refer to jib assembly No. 190645. Jib extension No. 125 is to be used only on 120 ft. of jib No. 27AB with 6 degree jib offset angle.

100 FOOT JIB	JIB POINT RAD.: FEET	CAPACITIES IN POUNDS										JIB POINT RAD.: FEET	
		BOOM LENGTH — FEET											
		180	200	220	240	260	280	300	320	340	360		380
	90	536,500											90
	95	519,600	519,700	504,300									85
	100	491,800	514,100	500,400	484,000								100
	105	466,900	492,800	495,800	480,400	463,600	424,500						105
	110	444,300	469,500	491,600	476,900	460,700	420,200	374,500	336,000				110
	115	423,800	448,400	472,700	473,500	458,000	416,000	370,600	335,700	304,100	272,500		115
	120	405,100	429,100	452,900	470,100	455,300	411,700	366,700	332,200	302,400	272,500	242,700	120
	125	388,000	411,300	434,700	455,500	452,600	407,500	362,900	328,700	299,400	272,500	242,700	125
	130	372,200	394,900	417,900	438,300	450,000	403,400	359,100	325,300	296,300	272,500	242,700	130
	135	357,600	379,800	402,400	422,500	445,800	399,300	355,400	322,000	293,400	272,500	242,700	135
	140	344,100	365,800	387,900	407,700	430,500	395,400	351,800	318,700	290,400	272,500	242,700	140
	150	320,000	340,600	361,900	381,000	402,900	387,600	344,700	312,300	284,700	268,400	242,700	150
	160	299,000	318,600	339,200	357,600	378,700	380,300	338,000	306,300	279,300	263,600	242,700	160
	170	280,600	299,300	319,100	336,900	357,200	371,300	331,600	300,400	274,000	259,000	242,700	170
	180	264,200	282,200	301,300	318,500	338,000	349,000	325,500	294,900	269,100	254,500	239,800	180
	190	249,700	266,900	285,400	302,000	320,800	322,400	319,100	289,500	264,100	250,300	236,200	190
	200	236,700	253,200	271,100	287,100	302,100	299,000	295,600	284,500	259,300	246,300	232,700	200
	210	225,000	240,800	258,100	273,700	281,200	278,100	274,700	270,700	254,700	242,300	229,300	210
	220	214,400	229,600	246,400	261,500	262,500	259,300	256,000	253,200	242,800	231,400	219,700	220
	230	204,700	219,400	235,600	248,800	245,700	242,500	239,100	236,300	229,000	218,200	207,000	230
	240	196,000	210,100	225,800	233,600	230,400	227,200	223,900	221,000	216,100	206,000	195,300	240
	250	188,000	201,500	215,000	219,700	216,500	213,300	210,000	207,100	203,800	194,600	184,400	250
	260	180,600	192,300	198,100	202,800	203,800	200,600	197,300	194,400	191,100	184,000	174,200	260
	270		177,100	182,700	187,000	191,000	189,000	185,600	182,700	179,400	174,000	164,700	270
	280			168,300	172,400	176,200	178,200	174,900	172,000	168,700	164,600	155,800	280
	290			155,000	158,900	162,400	165,400	164,900	162,100	158,700	155,700	147,300	290
	300				146,400	149,700	152,500	154,600	152,900	149,600	146,700	139,300	300
	310					137,800	140,400	142,300	144,400	141,000	138,200	131,600	310
	320					126,700	129,200	130,900	132,900	133,000	130,200	124,300	320
	330						118,600	120,200	122,100	123,000	122,800	117,300	330
	340						108,700	110,200	112,000	112,700	113,900	110,600	340
	350							100,800	102,500	103,100	104,200	104,100	350
	360							91,900	93,500	94,100	95,000	95,100	360
	370								85,100	85,600	86,400	86,900	370
	380									77,500	78,300	78,100	380
	390										70,600	70,400	390
	400										63,300	63,100	400

MAXIMUM BOOM, JIB AND JIB EXTENSION LENGTHS LIFTED UNASSISTED			DEDUCT FROM CAPACITIES WHEN JIB EXTENSION IS ATTACHED	
Boom Length	Jib No. 27AB	Jib Extension No. 125	Jib Extension Length	Jib Extension No. 125
380'	120'	80'	40'	6,100 lb.
			50'	6,900 lb.
			60'	7,800 lb.
			70'	8,400 lb.
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Load block, hook and weight ball on ground at start.

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JIB POINT RAD.: FEET	CAPACITIES IN POUNDS											JIB POINT RAD.: FEET
	BOOM LENGTH — FEET											
	180	200	220	240	260	280	300	320	340	360	380	
95	462,900											95
100	437,800	452,200	441,000									100
105	415,200	433,700	436,800	425,300								105
110	394,800	412,900	431,300	421,000	408,500	380,200						110
115	376,200	394,000	412,200	417,100	405,200	378,100	336,700	303,000				115
120	359,300	376,700	394,700	413,500	402,300	374,200	333,100	301,400	273,300			120
125	343,800	360,800	378,600	397,200	399,300	370,300	329,400	298,100	271,100	247,800	220,700	125
130	329,500	346,100	363,800	382,000	396,400	366,500	325,900	294,800	268,200	247,800	220,700	130
135	316,400	332,600	350,000	367,800	385,700	362,700	322,300	291,600	265,300	247,800	220,700	135
140	304,200	320,100	337,200	354,700	372,300	358,900	318,900	288,400	262,500	246,800	220,700	140
150	282,400	297,600	314,200	331,000	348,000	351,600	312,100	282,300	256,900	241,900	220,700	150
160	263,400	278,000	294,100	310,300	326,700	338,600	305,700	276,400	251,500	237,100	220,700	160
170	246,800	260,700	276,300	291,900	307,800	319,300	299,500	270,700	246,400	232,500	218,600	170
180	232,000	245,400	260,500	275,600	290,900	302,100	293,600	265,300	241,500	228,100	214,700	180
190	218,900	231,700	246,400	260,900	275,800	286,600	287,900	260,100	236,600	223,900	211,000	190
200	207,100	219,400	233,700	247,700	262,200	272,600	282,500	255,200	231,900	219,800	207,400	200
210	196,500	208,400	222,300	235,800	249,800	259,900	269,800	250,500	227,400	215,800	204,000	210
220	186,900	198,300	211,800	224,900	238,500	248,400	256,400	246,100	223,800	212,000	200,700	220
230	178,200	189,200	202,300	215,000	228,300	237,800	239,500	236,600	219,100	208,300	197,500	230
240	170,200	180,900	193,600	205,900	218,800	227,500	224,200	221,300	212,600	202,200	191,500	240
250	162,900	173,200	185,600	197,500	210,100	213,600	210,200	207,400	200,900	191,100	180,800	250
260	156,300	166,200	178,300	189,800	202,100	200,800	197,500	194,700	190,000	180,700	170,900	260
270	150,100	159,700	171,500	182,700	192,400	189,200	185,800	183,000	179,700	171,000	161,600	270
280	144,500	153,700	165,200	176,100	180,900	178,400	175,100	172,200	168,900	161,800	152,800	280
290		148,100	159,400	163,800	167,100	168,500	165,100	162,300	158,900	153,200	144,600	290
300			148,100	151,300	154,300	156,900	155,900	153,000	149,700	145,000	136,800	300
310			136,500	139,600	142,400	144,800	146,500	144,500	141,100	137,200	129,300	310
320				128,700	131,400	133,500	135,000	136,500	133,200	129,700	122,200	320
330					121,000	123,000	124,300	126,000	125,700	122,500	115,500	330
340					111,100	113,100	115,800	116,400	115,700	115,700	109,000	340
350						103,700	104,900	106,200	106,700	107,600	102,700	350
360							96,000	97,300	97,600	98,400	96,700	360
370							87,600	88,800	89,100	89,700	89,500	370
380								80,800	81,000	81,500	81,300	380
390								73,200	73,300	73,800	73,500	390
400									66,100	66,500	66,100	400
410										59,600	59,100	410
420										53,000	52,400	420

MAXIMUM BOOM, JIB AND JIB EXTENSION LENGTHS LIFTED UNASSISTED			DEDUCT FROM CAPACITIES WHEN JIB EXTENSION IS ATTACHED	
Boom Length	Jib No. 27AB	Jib Extension No. 125	Jib Extension Length	Jib Extension No. 125
380'	120'	80'	40'	6,100 lb.
			50'	6,900 lb.
			60'	7,800 lb.
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Load block, hook and weight ball on ground at start.				