



# 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  
889,300 LB. AUXILIARY COUNTERWEIGHT**

**6 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 7300-B. 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	422,100	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	495,600	452,000	404,000	367,300	335,600	303,400	268,300	135
	140	374,800	401,100	435,000	469,800	470,000	447,800	400,200	363,900	332,600	303,400	268,300	140
	150	348,300	373,200	405,500	428,100	425,100	421,900	392,600	357,100	326,600	303,400	268,300	150
	160	325,300	348,900	379,900	390,000	387,000	383,800	380,500	350,700	320,900	303,200	268,300	160
	170	305,100	327,600	357,300	357,300	354,300	351,100	347,800	344,400	315,400	298,500	268,300	170
	180	287,400	308,800	332,000	329,000	325,900	322,700	319,400	316,600	310,200	293,600	268,300	180
	190	271,600	292,000	307,200	304,100	301,000	297,800	294,500	291,600	288,300	284,700	261,000	190
	200	257,500	277,000	285,200	282,200	279,000	275,800	272,500	269,600	266,300	263,500	254,000	200
	210	244,900	263,500	265,700	262,600	259,500	256,300	252,900	250,100	246,700	243,900	238,600	210
	220	233,400	251,300	248,200	245,100	242,000	238,800	235,400	232,500	229,200	226,400	223,100	220
	230	223,000	230,900	232,400	229,300	226,200	223,000	219,600	216,700	213,400	210,600	207,300	230
	240	204,400	211,900	218,200	215,100	211,900	208,700	205,300	202,400	199,100	196,300	193,000	240
	250		194,500	200,900	202,100	198,900	195,700	192,300	189,400	186,100	183,200	179,900	250
	260		178,400	184,500	189,200	187,000	183,800	180,400	177,500	174,200	171,300	168,000	260
	270			169,400	174,000	176,100	172,900	169,500	166,600	163,200	160,400	157,100	270
	280				159,800	163,700	162,800	159,400	156,600	153,200	150,400	147,100	280
	290				146,700	150,400	153,500	150,100	147,300	143,900	141,100	137,800	290
	300					138,100	141,000	141,500	138,700	135,300	132,500	129,200	300
	310					126,500	129,300	131,300	130,700	127,300	124,500	121,200	310
	320						118,400	120,300	122,400	119,900	117,000	113,700	320
	330							109,900	112,000	112,900	110,100	106,800	330
	340							100,200	102,200	103,000	103,600	100,300	340
	350								93,000	93,700	94,800	94,100	350
	360									84,900	86,000	86,000	360
	370									76,700	77,700	77,600	370
	380										69,800	69,700	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  
889,300 LB. AUXILIARY COUNTERWEIGHT**
**6 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 7300-B. 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									95
	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	355,100	352,000	331,600	300,400	274,000	259,000	242,700	170
	180	264,200	282,200	301,300	318,500	326,600	323,400	320,100	294,900	269,100	254,500	239,800	180
	190	249,700	266,900	285,400	302,000	301,600	298,400	295,100	289,500	264,100	250,300	236,200	190
	200	236,700	253,200	271,100	282,600	279,500	276,400	273,000	270,200	259,300	246,300	232,700	200
	210	225,000	240,800	258,100	263,000	259,900	256,700	253,400	250,600	247,300	242,300	229,300	210
	220	214,400	229,600	246,400	245,400	242,300	239,100	235,800	232,900	229,600	226,900	219,700	220
	230	204,700	219,400	232,600	229,600	226,400	223,300	219,900	217,100	213,800	211,000	207,000	230
	240	196,000	210,100	218,300	215,300	212,100	208,900	205,500	202,700	199,400	196,600	193,300	240
	250	188,000	200,900	205,200	202,200	199,000	195,800	192,500	189,600	186,300	183,500	180,200	250
	260	178,600	184,900	190,400	190,300	187,100	183,900	180,500	177,700	174,300	171,500	168,300	260
	270		170,100	175,400	179,300	176,100	172,900	169,600	166,700	163,400	160,600	157,300	270
	280			161,400	165,300	166,000	162,800	159,500	156,600	153,300	150,500	147,200	280
	290			148,400	152,200	155,400	153,500	150,100	147,300	143,900	141,100	137,800	290
	300				139,900	143,000	144,900	141,500	138,600	135,300	132,500	129,200	300
	310					131,500	133,900	133,400	130,600	127,200	124,400	121,100	310
	320					120,600	122,900	124,500	123,100	119,800	116,900	113,600	320
	330						112,700	114,100	115,800	112,800	109,900	106,600	330
	340						103,000	104,400	106,000	106,200	103,400	100,100	340
	350							95,200	96,700	97,200	97,200	93,900	350
	360							86,500	88,000	88,400	89,200	88,200	360
	370								79,800	80,100	80,800	80,700	370
	380									72,300	72,900	72,700	380
	390										65,500	65,100	390
	400										58,300	58,000	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.
			80'	9,300 lb.
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120 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
	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	273,500	255,200	231,900	219,800	207,400	200
	210	196,500	208,400	222,300	235,800	249,800	257,100	253,800	250,500	227,400	215,800	204,000	210
	220	186,900	198,300	211,800	224,900	238,500	239,500	236,200	233,300	223,800	212,000	200,700	220
	230	178,200	189,200	202,300	215,000	226,700	223,600	220,300	217,400	214,200	208,300	197,500	230
	240	170,200	180,900	193,600	205,900	212,400	209,200	205,900	203,000	199,700	196,900	191,500	240
	250	162,900	173,200	185,600	197,500	199,300	196,100	192,700	189,900	186,600	183,800	180,600	250
	260	156,300	166,200	178,300	189,800	187,300	184,100	180,800	177,900	174,600	171,800	168,600	260
	270	150,100	159,700	171,500	179,500	176,300	173,100	169,800	166,900	163,600	160,800	157,600	270
	280	144,500	153,700	165,200	169,400	166,200	163,000	159,700	156,800	153,500	150,700	147,400	280
	290		148,100	153,700	156,900	156,900	153,700	150,300	147,400	144,100	141,300	138,000	290
	300			141,700	144,700	147,500	145,000	141,600	138,800	135,400	132,600	129,400	300
	310			130,400	133,300	136,000	136,900	133,600	130,700	127,400	124,600	121,300	310
	320				122,700	125,200	127,200	126,100	123,200	119,900	117,000	113,800	320
	330					115,100	116,900	118,100	116,200	112,900	110,000	106,700	330
	340					105,500	107,300	108,300	109,600	106,300	103,500	100,200	340
	350						98,200	99,100	100,400	100,100	97,300	94,000	350
	360							90,500	91,700	91,900	91,500	88,200	360
	370							82,300	83,400	83,500	84,000	82,700	370
	380								75,600	75,700	76,100	75,700	380
	390								68,200	68,200	68,600	68,100	390
	400									61,200	61,500	60,900	400
	410										54,700	54,100	410
	420										48,300	47,700	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.