

TABLE J – DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED ON CABLE OR GRAPPLE SKIDDERS

TIRE TYPE NOMENCLATURE		MAX. SPEED
		SPEED INDEX
TRA	TIRE TYPE	A2
LS-2	Immediate Tread	5 mph
LS-3	Deep Tread	5 mph

TIRES USED AS SINGLES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTIONS

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES				
	psi	25	30	35	40	45	55
	kPa	170	210	240	*275/280	310	380
16.9-30	lbs	6150	7150	8050(10)	8550	9350(14)	
	kg	2800	3250	3650(153)	3875	4250(158)	
18.4-26	lbs	6950	8050(10)	9100(12)			
	kg	3150	3650(153)	4125(157)			
18.4B30	lbs	7600	8550	9650(12)			
	kg	3450	83875	4375(159)			
18.4B34	lbs	8050	9100(10)				
	kg	3650	4125(157)				
23.1B26	lbs	9900(10)	11700	12800(14)	13900(16)	15200(20)	
	kg	4500(160)	5300	5800(169)	6300(172)	6900(175)	
24.5B32	lbs	12300	13900(12)	15200(16)	17100(18)		
	kg	5600	6300(172)	6900(175)	7750(179)		
LOW SECTION HEIGHT							
28LB26	lbs	11700(12)	13200(14)	14800(16)	16100(20)		
	kg	5300(166)	6000(170)	6700(174)	7300(177)		
30.5LB32	lbs	14800(12)	16500(16)	18700(20)	19800	22000(26)	24700(32)
	kg	6700(174)	7500(178)	8500(182)	9000	10000(188)	11200(192)
35.5LB32	lbs	19800(16)	22700(20)	24700	26800(26)	29100(30)	
	kg	9000(184)	10300(189)	11200	12150(195)	13200(198)	

* The Tire and Rim Association has adopted an official conversion equivalency for kPa for psi values. The first number reflects the official conversion, and the second number reflects the previous value. Both values are acceptable.

NOTES:

1. Figures in parentheses denote ply rating for which boldface loads and inflations are maximum. Numbers below ply ratings are load index numbers.
2. Above inflation pressure are minimum for loads shown.
3. For shipping purposes, tire inflation pressures may be increased to 30 psi (210 kPa). Inflation pressure must be adjusted to correct operating inflation pressure BEFORE skidder is removed from carrier. Consult tire manufacturer for minimum tire shipping pressure.
4. "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING operation. This maximum load includes total vehicle weight with accessories, plus load increases due to log winching or grappling loads and weight transfer.
5. The above table applies only to log skidder tires used on cable or grapple skidders with a maximum speed of 5 mph (10 km/h). To use on other types of logging or forestry equipment or at speeds greater than 5 mph (10 km/h), refer to Table I on page 146.
6. When used as duals, tire loads must be reduced. Multiply figures in table by .88.
7. Consult rim and wheel manufacturer for rims for this type of service.

FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 168-172.