LOAD & INFLATION

TABLE I

DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED IN LOGGING OR FORESTRY SERVICE OTHER THAN ON CABLE OR GRAPPLE SKIDDERS

TIRES USED AS SINGLES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTIONS

TIRE TYPE NOMENCLATURE		
		MAX. SPEED
		SPEED INDEX
TRA	TIRE TYPE	A6
LS-2	Intermediate Tread	20 MPH
LS-3	Deep Tread	20 MPH

TIRE SIZE	INFLATION	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES				
	psi	20	25	30	35	40
	kPa	140	170	210	240	280
16.9-30	lbs	4400	5080	**5680 (10)**	6150	**6600 (14)**
	kg	2000	2300	**2575 (10)**	2800	**3000 (14)**
18.4-26	lbs	4940	**5680 (10)**	**6400 (12)**		
	kg	2240	**2575 (10)**	**2900 (12)**		
18.4-34	lbs	5680	**6400 (10)**			
	kg	2575	**2900 (10)**			
23.1-26	lbs	**7150 (10)**	8250	**9100 (14)**	9900 (16)	**10700 (20)**
	kg	**3250 (10)**	3750	**4125 (14)**	4500 (16)	**4875 (20)**
24.5-32	lbs	8800	**9900 (12)**	**11000 (16)**	12000 (18)	
	kg	4000	**4500 (12)**	**5000 (16)**	5450 (18)	
LOW SECTION HEIGHT						
28L-26	lbs	**8250 (12)**	**9350 (14)**	**10500 (16)**		
	kg	**3750 (12)**	**4250 (14)**	**4750 (16)**		
30.5L-32	lbs	**10500 (12)**	**11700 (16)**	**13200 (20)**	14300	**15700 (26)**
	kg	**4750 (12)**	**5300 (16)**	**6000 (20)**	6500	**7100 (26)**
DH35.5L-32	lbs	**13900 (16)**	**16100 (20)**	**17600 (24)**		
	kg	**6300 (16)**	**7300 (20)**	**8000 (24)**		

NOTES:

1. Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
2. For shipping purposes, tire inflation pressures may be increased to 30 psi (210 kPa). (Consult tire manufacturer for minimum tire shipping pressure.) This higher inflation pressure must be reduced to operating inflation pressure BEFORE the skidder is removed from the carrier.
3. "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 caused by log winching or grappling loads and weight transfers.
4. For grapple and cable skidders, refer to Table J.
5. For load and carry type of logging operations such as loaders equipped with log forks and feller-bunchers with maximum speed of 5 mph (10 km/h), above tire load limits may be increased 50% (with 5 psi (35 kPa) increase in inflation pressure). Maximum length of carry is 500 feet (150 meters).
6. When used as duals, tire loads and tangential pull values must be reduced. Multiply figures in table by .88.
7. Consult rim and wheel manufacturer for rims for this type of service.
8. For transport service and operations which do not require sustained high torque, the load limits shown below at various speeds apply.

MAX. SPEED	% CHANGE IN ABOVE LOADS	CHANGE IN INFL. PRESSURE
Stationary	+170%	+5 psi (35 kPa)
10 mph (15 km/h)	+20%	None
15 mph (25 km/h)	+10%	None
20 mph (30 km/h)	Same As Table	None
25 mph (40 km/h)	-10%	None

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