# TABLE I

| TIRE TYPE NOMENCLATURE | |
|---|---|
| **CODE NO.** | **TIRE TYPE** |
| LS-2 | Intermediate Tread |
| LS-3 | Deep Tread |

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**
**MAXIMUM SPEED 20 MPH (30 KM/H)**

| TIRE SIZE | 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)** | | |
| **18.4-30** | lbs | 5360 | 6000 | **6800(12)** | | |
| | kg | 2430 | 2725 | **3075(12)** | | |
| **18.4-34** | lbs | 5680 | **6400(10)** | | | |
| | kg | 2575 | **2900(10)** | | | |
| **23.1-26** | lbs | **7150(10)** | 8250 | **9100(14)** | | |
| | kg | **3250(10)** | 3750 | **4125(14)** | | |
| **24.5-32** | lbs | 8800 | **9900(12)** | **11000(16)** | | |
| | kg | 4000 | **4500(12)** | **5000(16)** | | |
| **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 limits" for log skidders are 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 cable and grapple 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), 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.

**NOTES (CONTINUED):**

7. Consult rim and wheel manufacturer for rims for this type of service.
8. For transport service and operations that 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 |