

(10,000 pounds), trailers, and motorcycles manufactured after 1948.

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TABLE I.—STRENGTH TEST PLUNGER DIAMETER

	Plunger diameter	
	(mm)	(inches)
Tire type:		
Light truck	19.05	¾
Motorcycle		5/16"

TABLE I.—STRENGTH TEST PLUNGER DIAMETER—Continued

	Plunger diameter	
	(mm)	(inches)
Tires for 12-inch or smaller rims, except motorcycle	19.05	¾
Tires other than above types:		
Tubeless:		
17.5-inch or smaller rims ...	19.05	¾

TABLE I.—STRENGTH TEST PLUNGER DIAMETER—Continued

	Plunger diameter	
	(mm)	(inches)
Larger than 17.5-inch rims:		
Load range F	31.75	1¼
Load range over F	38.10	1½
Tube type:		
Load range F	31.75	1¼
Load range over F	38.10	1½

TABLE II.—MINIMUM STATIC BREAKING ENERGY
[Joules (J)] and Inch-Pounds (inch-lbs)]

Load range			All 12 rim diameter code or smaller rim size		Light truck 17.5 rim diameter or smaller rim tubeless		Tube type		Tubeless		Tube type		Tubeless	
Tire characteristic		Motorcycle					31.75 J	1¼"	J	Inch-lbs	38.10 J	1½"	J	Inch-lbs
Plunger diameter (mm and inches)		7.94J	5/16"	19.05 J	¾"	19.05 J	¾"							
A		16	150											
B		33	300											
C		45	400											
D														
E														
F				406	3,600	644	5,700	1,785	15,800	1,412	12,500			
G						711	6,300				2,282	20,200	1,694	15,000
H						768	6,800				2,598	23,000	2,090	18,500
J											2,824	25,000	2,203	19,500
L											3,050	27,000		
M											3,220	28,500		
N											3,389	30,000		

TABLE III.—ENDURANCE TEST SCHEDULE

Description	Load range	Test wheel speed (r/m)	Test load: Percent of maximum load rating			Total best revolutions (thousands)
			I—7 hours	II—16 hours	III—24 hours	
Speed restricted service:						
88 km/h (55 mph)	F, G, H, J, L, M, N	125	66	84	101	352.0
80 km/h (50 mph)	F, G, H, J, L	100	66	84	101	282.5
56 km/h (35 mph)	All	75	66	84	101	211.0
Motorcycle	All	250	¹ 100	² 108	117	510.0
All other	F	200	66	84	101	564.0
	G	175	66	84	101	493.5
	H, J, L, N	150	66	84	101	423.5

¹ 14 hr. for tire sizes subject to high speed requirements (S6.3).

² 6 hr. for tire sizes subject to high speed requirements (S6.3).

■ 5. Section 571.120 is amended by revising its heading, S3, S5.1.1, S5.1.2, and S5.3 to read as follows:

§ 571.120 Standard No. 120; Tire selection and rims for motor vehicles with a GVWR of more than 4,536 kilograms (10,000 pounds).

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S3. Application. This standard applies to motor vehicles with a gross vehicle weight rating (GVWR) of more than 4,536 kilograms (10,000 pounds) and motorcycles, to rims for use on those vehicles, and to non-pneumatic

spare tire assemblies for use on those vehicles.

S5.1.1 Except as specified in S5.1.3, each vehicle equipped with pneumatic tires for highway service shall be equipped with tires that meet the requirements of § 571.119, New pneumatic tires for motor vehicles with a GVWR of more than 10,000 pounds, and rims that are listed by the manufacturer of the tires as suitable for use with those tires, in accordance with S5.1 of § 571.119, except that vehicles may be equipped with a non-pneumatic spare tire assembly that meets the

requirements of § 571.129, New non-pneumatic tires for passenger cars, and S8 of this standard. Vehicles equipped with such an assembly shall meet the requirements of S5.3.3, S7, and S9 of this standard.

S5.1.2 Except in the case of a vehicle which has a speed attainable in 3.2 kilometers of 80 kilometers per hour or less, the sum of the maximum load ratings of the tires fitted to an axle shall be not less than the gross axle weight rating (GAWR) of the axle system as specified on the vehicle's certification label required by 49 CFR part 567.