

MURDOCH'S

TIRE & AUTOMOTIVE

SPEED RATING, LOAD INDEX & LOAD RANGE CHART



PASSENGER & SUV TIRE SPEED RATINGS

SPEED RATING	MAXIMUM SPEED	KM/H
Q	99 mph	160 km/h
R	106 mph	170 km/h
S	112 mph	180 km/h
T	118 mph	190 km/h
U	124 mph	200 km/h
H	130 mph	210 km/h
V	149 mph	240 km/h
W	168 mph	270 km/h
Y	186 mph	300 km/h



The speed rating indicates the maximum speed capability of a tire under controlled testing conditions—not the recommended driving speed.



COMMON PASSENGER TIRE LOAD INDEX RATINGS

LOAD INDEX	MAX LOAD (LBS)	MAX LOAD (KG)
75	852	387
80	992	450
84	1,102	500
88	1,235	560
91	1,356	615
94	1,477	670
95	1,521	690
98	1,653	750
100	1,764	800
102	1,874	850
104	1,984	900
106	2,094	950
109	2,271	1,030
112	2,469	1,120
115	2,679	1,215
120	3,086	1,400



Load index represents the maximum carrying capacity of one tire when properly inflated.



LIGHT TRUCK & COMMERCIAL LOAD RANGES

LOAD RANGE	PLY RATING	TYPICAL APPLICATION
B	4 Ply	Light-duty passenger/light truck
C	6 Ply	Half-ton trucks & SUVs
D	8 Ply	Heavy-duty light trucks
E	10 Ply	3/4-ton & 1-ton trucks
F	12 Ply	Commercial/heavy hauling applications
G	14 Ply	Commercial applications



Load Range is a strength rating—not the actual number of physical plies inside today's tire.



WHAT DOES IT MEAN ON YOUR TIRE?

EXAMPLE TIRE SIZE

225/65R17 102 H

102

LOAD INDEX

102 = Load Index
(1,874 lbs / 850 kg
maximum per tire)

H

SPEED RATING

H = Speed Rating
(up to 210 km/h)



QUICK REFERENCE

- **Load Index (102)**
Tells you how much weight one tire can safely carry.
- **Speed Rating (H)**
Tells you the maximum speed the tire is designed to handle.



IMPORTANT: Always install tires that meet or exceed your vehicle manufacturer's required load index and speed rating. Load capacity and speed ratings are determined by tire design and testing standards and should never be reduced below the original equipment specification unless approved by the vehicle manufacturer.

