

Printable Tire Size & Code Chart

Decode a P-metric sidewall, plus speed-rating and load-index lookups. Never downgrade a speed rating, and match or exceed the load index on your door-jamb placard. Print at 100% scale.

READING P225/65R17 91H

What each part of a P-metric code means

PART	EX.	MEANING
Type	P	Passenger (LT = light truck)
Width	225	Tread width in mm
Aspect	65	Sidewall = 65% of width
Build	R	Radial construction
Rim	17	Wheel diameter (inches)
Load	91	Max load per tire (see table)
Speed	H	Max speed (see table)

SPEED RATING CODES

Max sustained speed under load — never downgrade when replacing

CODE	MAX SPEED (MPH)	MAX SPEED (KM/H)
Q	99	160
R	106	170
S	112	180
T	118	190
U	124	200
H	130	210
V	149	240
W	168	270
Y	186	300
(Z)	149+	240+

COMMON OEM SIZES BY CLASS

Representative factory fitments — verify with your door-jamb placard

VEHICLE CLASS	TYPICAL OEM TIRE SIZES	COMMON SPEED / LOAD RATING
Compact car	195/65R15, 205/55R16	T or H / 87–91
Mid-size sedan	215/55R17, 225/50R17, 235/45R18	H or V / 91–95
Crossover (CUV)	225/65R17, 235/60R18, 235/55R19	H or V / 94–98
Mid-size SUV	265/65R17, 255/60R18, 275/55R20	H or T / 102–108
Full-size SUV / truck	275/65R18, LT265/70R17, 285/55R20	T, H, or E-rated / 110–120
Performance car	235/35R19, 255/40R19, 275/35R20	W or Y / 91–98

LOAD INDEX (COMMON)

Max load per tire · total = index × 4

INDEX	MAX LOAD (LB)	MAX LOAD (KG)
80	992	450
84	1,102	500
87	1,201	545
89	1,279	580
91	1,356	615
93	1,433	650
95	1,521	690
97	1,609	730
99	1,709	775
100	1,764	800
102	1,874	850
105	2,039	925
108	2,205	1,000
116	2,756	1,250
120	3,086	1,400
124	3,527	1,600