Tire Size Chart

Last checked: November 12, 2026

Page with the live version:
https://offroadfreedom.com/tools/tire-size-chart/

Nominal sizes computed from the size code. Real tires differ by maker and tread; the maker's spec sheet lists the actual diameter.

Common off-road tire sizes in inches

Size	Rim	Diameter	Width	Sidewall	Revs per mile	Nearest flotation size
235/75R15	15 in	28.9 in	9.3 in	6.9 in	698	29x9.50R15
31x10.50R15	15 in	31.0 in	10.5 in	8.0 in	651	Already flotation
33x12.50R15	15 in	33.0 in	12.5 in	9.0 in	611	Already flotation
245/75R16	16 in	30.5 in	9.6 in	7.2 in	662	30x9.50R16
265/75R16	16 in	31.6 in	10.4 in	7.8 in	637	32x10.50R16
285/75R16	16 in	32.8 in	11.2 in	8.4 in	614	33x11.00R16
315/75R16	16 in	34.6 in	12.4 in	9.3 in	583	35x12.50R16
265/65R17	17 in	30.6 in	10.4 in	6.8 in	660	31x10.50R17
245/75R17	17 in	31.5 in	9.6 in	7.2 in	641	31x9.50R17
265/70R17	17 in	31.6 in	10.4 in	7.3 in	638	32x10.50R17
255/75R17	17 in	32.1 in	10.0 in	7.5 in	629	32x10.00R17
285/70R17	17 in	32.7 in	11.2 in	7.9 in	617	33x11.00R17
33x12.50R17	17 in	33.0 in	12.5 in	8.0 in	611	Already flotation
295/70R17	17 in	33.3 in	11.6 in	8.1 in	606	33x11.50R17
315/70R17	17 in	34.4 in	12.4 in	8.7 in	587	34x12.50R17
35x12.50R17	17 in	35.0 in	12.5 in	9.0 in	576	Already flotation
37x12.50R17	17 in	37.0 in	12.5 in	10.0 in	545	Already flotation
265/60R18	18 in	30.5 in	10.4 in	6.3 in	661	31x10.50R18
265/65R18	18 in	31.6 in	10.4 in	6.8 in	639	32x10.50R18
275/65R18	18 in	32.1 in	10.8 in	7.0 in	629	32x11.00R18
285/65R18	18 in	32.6 in	11.2 in	7.3 in	619	33x11.00R18
33x12.50R18	18 in	33.0 in	12.5 in	7.5 in	611	Already flotation
275/70R18	18 in	33.2 in	10.8 in	7.6 in	608	33x11.00R18
35x12.50R18	18 in	35.0 in	12.5 in	8.5 in	576	Already flotation
285/55R20	20 in	32.3 in	11.2 in	6.2 in	624	32x11.00R20
275/60R20	20 in	33.0 in	10.8 in	6.5 in	611	33x11.00R20
33x12.50R20	20 in	33.0 in	12.5 in	6.5 in	611	Already flotation
305/55R20	20 in	33.2 in	12.0 in	6.6 in	607	33x12.00R20
275/65R20	20 in	34.1 in	10.8 in	7.0 in	592	34x11.00R20
35x12.50R20	20 in	35.0 in	12.5 in	7.5 in	576	Already flotation
37x13.50R20	20 in	37.0 in	13.5 in	8.5 in	545	Already flotation

How the numbers are worked out

Sidewall (mm) = width x aspect / 100. Diameter (in) = rim + 2 x sidewall / 25.4. Section width (in) = width / 25.4. Diameter = first number. Width = second number. Sidewall (in) = (diameter - rim) / 2. Circumference = pi x diameter. Revolutions per mile = 63,360 / circumference. Actual speed = indicated speed x new diameter / old diameter. Ground clearance change at the axle = (new diameter - old diameter) / 2.

Sources

BFGoodrich: How to read a tire sidewall
https://www.bfgoodrichtires.com/auto/learn/tires-101/reading-a-tire-sidewall
Size code: width in millimeters, aspect ratio, R for radial, rim diameter, P and LT prefixes. Checked November 12, 2026.

BFGoodrich: Changing tire size on a car
https://www.bfgoodrichtires.com/auto/learn/buying-guide/changing-tire-size
A different overall diameter changes speedometer and odometer accuracy. Checked November 12, 2026.

Yukon Gear & Axle: Technical FAQs
https://www.yukongear.com/pages/technical-faqs
Regearing can win back drivability lost to bigger tires; examples of common ratios. Checked November 12, 2026.

Yukon Gear & Axle: Gear ratio calculator
https://www.yukongear.com/pages/gear-ratio-calculator
Ratio = ring gear teeth divided by pinion teeth. Checked November 12, 2026.

Method Race Wheels: Offsets explained
https://www.methodracewheels.com/pages/what-is-offset
Offset is the distance from the mounting surface to the wheel centerline; positive sits toward the car, negative pushes the wheel out. Checked November 12, 2026.

USTMA: Tire care essentials
https://www.ustires.org/tire-care-safety/tire-care-essentials
Recommended pressure is on the driver's door label or in the owner's manual; check when tires are cold. Checked November 12, 2026.

WARN: determine the right winch capacity for your truck or SUV
https://www.warn.com/blogs/articles/tech-tip-tuesday-determine-the-right-winch-capacity-for-your-truck-or-suv
GVWR x 1.5 = minimum pulling capacity; use GVWR, not curb weight; Tacoma 5,600 lb example. Checked November 12, 2026.

Superwinch: what size winch do I need
https://www.superwinch.com/blogs/news/what-size-winch-do-i-need
Vehicle GVW x 1.5; use GCWR when towing a trailer; incline and mud need more. Checked November 12, 2026.

NREL (National Laboratory of the Rockies): PVWatts Calculator
https://pvwatts.nlr.gov/pvwatts.php
Where to look up solar resource data for a location. Checked November 12, 2026.

U.S. Department of Energy: solar radiation basics
https://www.energy.gov/eere/solar/solar-radiation-basics
Solar radiation varies with location, time of day, season, landscape and weather. Checked November 12, 2026.

Nominal figures, not a fit guarantee. Confirm fitment with the tire maker and your vehicle maker.