

# Wheel & Tire Specifications

## *Optimum Backspace Calculation Chart*

Vehicle	Position On Vehicle	Backspace Equation	Maximum Width	Pin-Drive Backspace Equation
<b>Roadster</b>	Front	$(width/2)+1.25''=B.S.*$	9"	$(width/2)-0.375''=B.S.$
	79'-93' Rear Axle or IRS	$(width/2)+1.25''=B.S.$	10"	$(width/2)-1.25''=B.S.$ [IRS only]
	94'-98' Rear Axle	$(width/2)+2.00''=B.S.$	10"	N/A
	99'-present Rear Axle	$(width/2)+2.875''=B.S.$	10"	N/A
<b>Coupe &amp; Spyder</b>	Front	$(width/2)+0.75''=B.S.$	10"	no change
	79'-93' Rear Axle or IRS	$(width/2)+0.25''=B.S.$	12"	$(width/2)-2.25''=B.S.$ [IRS only]
	94'-98' Rear Axle	$(width/2)+1.00''=B.S.$	12"	N/A
	99'-present Rear axle	$(width/2)+1.875''=B.S.$	12"	N/A

\* 9" wheel would be desirable to have a 6" B.S.

79'-93' 4-lug Rear Axle is 59.25" hub to hub (4.25" 4-lug bolt pattern)

94'-98' 5-lug Rear Axle is 61.125" hub to hub (4.5" 5-lug bolt pattern)

99'-present Rear Axle is 62.52" hub to hub (4.5" 5-lug bolt pattern)

To run 315/35R-17 tires on an **MKIII** Roadster it would be desirable to have the 59.25" width rear axle. 10.5" wide wheels with a 6.85" B.S. fit well with the 315's, and are easily attainable in the aftermarket from several of the OEM reproduction wheel suppliers. With custom wheels, use the same backspace, or with an 11" wide wheel, run a 7.1" B.S.

Pin-drive **IFS** hubs are 1.625" further in per side and the **IRS** is 2.5" further in per side

Pin-drive adaptors are 0.375" thick

## *Maximum Tire Sizes*

	Wheel Diameter	Front Tire Sizes	Rear Tire Sizes
<b>Roadsters</b>	15"	235/60R-15	275/50R-15
	16"	255/50R-16	255/50R-16
	17"	245/45R-17 or 255/40R-17	275/40R-17 *
	18"	245/40R-18	275/35R-18
<b>Coupe &amp; Spyder</b>	15"	255/60R-15	295/50R-15
	16"	255/50R-16	255/50R-16
	17"	275/40R-17	335/35R-17
	18"	275/35R-18	295/35R-18

\*For an **MKIII** Roadster you can run a 315/35R-17

## *Alignment Specifications*

	Alignment Spec	Value	Unit
<b>Front For All Vehicles</b>	Caster	3	degrees
	Camber	- 1/2	degrees
	Toe	1/16	inch
<b>IRS All</b>	Camber	-1	degrees
	Toe	1/16	inch

## *Suppliers of Cobra R's and Modern style wheels*

Tire Rack	888-541-1777	tirerack.com
Diviersified	734-459-0130	buyfordmotorsport.com
Discount Tire Direct	800-589-6789	tires.com
*Performance Wheel Outlet	909-825-5242	performancewheeloutlet.com
*AFS	818-340-6181	afswheels.com
*Performance Tire	832-567-5265	wheelreplicas.com
*(OEM reproduction wheels)		