

QUARTER jr - Version 3.2

Racing Systems Analysis - [www.QUARTERjr.com](http://www.QUARTERjr.com)

File: superstr.dat

Note: test case for QUARTER ir

General		Torque Converter		Vehicle	
Elevation - feet	600	Stall RPM	5000	Weight - lbs	2900
Barometer - in Hg	29.92	Lock-up option?	No	Rollout - inches	12
Temperature - deg F	83	Diameter - inches	8	Wheelbase - inches	108
Relative Humidity - %	55			Body Style: altered/roadster	
		Transmission Gear Ratios		Frontal Area - sq ft	26.1
		2nd -	2.48		
Engine		3rd -	1.48	Final Drive	
Fuel System: Gasoline Carburetor		4th -	1.00	Gear Ratio	5.13
Displacement - CID	377			Tire Diameter - inches	32.4
RPM@ Peak HP	6200			Tire Width - inches	14.40
Peak HP	440			Traction Index	6
Shift@ RPM	6800				

<b>Frontal Area Worksheet</b>	
Maximum Width - inches	72.0
Maximum Height - inches	58.0
Shape Factor - %	90.0
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Frontal Area - sq ft =	26.1

<b>Tire Width Worksheet</b>	
Tread Width - inches	14.40
Number of Grooves	0
Each Groove Width - inches	0.000
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Effective Tire Width =	14.40

1.092	Time	Distance	MPH	Acceleration	Gear	RPM
	0.00	0	0.0	1.73 (s)	1	5,000
	0.168/0.00	Rollout	7.6	1.79	1	5,000
	0.50	16	24.5	1.27	1	5,090
	0.83	30	33.0	1.08	1	5,250
	1.00	39	36.7	0.88	1	5,440
	1.36	60	42.9	0.73	1	6,310
	1.50	69	45.0	0.67	1	6,620
	1.59	75	46.4	0.64	1	6,800
	1.84	93	50.8	0.78	2	5,190
	2.00	105	53.1	0.66	2	5,210
	2.49	146	60.0	0.60	2	5,280
	2.50	147	60.1	0.61	2	5,280
	3.00	193	66.1	0.52	2	5,710
	3.50	243	71.5	0.48	2	6,150
	4.00	298	76.5	0.42	2	6,550
	4.28	330	79.0	0.39	2	6,740
	4.37	340	79.7	0.39	2	6,800
	4.62	370	82.2	0.44	3	5,220
	5.00	416	85.3	0.37	3	5,240
	5.50	480	89.2	0.35	3	5,270
	6.00	547	92.9	0.33	3	5,290
	6.50	616	96.3	0.31	3	5,460
	6.81	660	98.3	0.29	3	5,560
	7.00	688	99.5	0.29	3	5,620
	7.08	700	100.0	0.29	3	5,650
	7.50	762	102.6	0.28	3	5,770
	8.00	839	105.5	0.26	3	5,920
	8.50	917	108.3	0.25	3	6,040
	9.00	997	110.9	0.23	3	6,160
	9.02	1000	111.0	0.24	3	6,170
	9.50	1080	113.4	0.23	3	6,270
	10.00	1164	115.8	0.21	3	6,370
	10.50	1249	118.0	0.20	3	6,460
	10.90	1320	119.6	0.19	3	6,520
	1/8 Mile: 6.81 sec @ 96.8 MPH      1/4 Mile: 10.90 sec @ 118.9 MPH					