

# TRIUMPH SPEEDOMETER AND TACHOMETER READINGS

Speedo Revs/mile = (20168\*DiffGear\*DriveGearTeeth)/(Tdiam\*DrivenGearTe

TPM Turns per Mile 20800/Tire Dia.  
TPM x Speedo Ratio x FD Ratio= Smith/Jaeger TPM

Tire Dia.  
165/65R15 23.4  
165/80/R1 25.4  
5.9-15 24.8

		FD:	3.7	Wheel Dia.	23.4 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED SPEED vs RPM									
				Percent Diff		10	20	30	40	50	60	70	80		
TR3	1	3.139	11.6143		6.00	1667.69	3335.39	5003.08	6670.78	8338.47	10006.17	11673.86			
	2	2.01	7.437		9.36	1067.88	2135.75	3203.63	4271.51	5339.38	6407.26	7475.14			
	3	1.325	4.9025		14.21	703.95	1407.90	2111.85	2815.79	3519.74	4223.69	4927.64			
	4	1	3.7		18.82	531.28	1062.56	1593.85	2125.13	2656.41	3187.69	3718.97			
	5	0.82	3.034		22.95	435.65	871.30	1306.95	1742.61	2178.26	2613.91	3049.56			

		FD:	3.7	Wheel Dia.	25.4 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED SPEED vs RPM									
				Percent Diff		10	20	30	40	50	60	70			
TR4	1	3.139	11.6143		6.51	1536.38	3072.76	4609.14	6145.52	7681.90	9218.28	10754.66			
	2	2.01	7.437		10.16	983.79	1967.58	2951.38	3935.17	4918.96	5902.75	6886.54			
	3	1.325	4.9025	-2.5345	15.42	648.52	1297.04	1945.56	2594.08	3242.60	3891.12	4539.64			
	3OD	1.0865	4.02005		18.80	531.79	1063.57	1595.36	2127.14	2658.93	3190.72	3722.50			
	4	1	3.7		20.43	489.45	978.90	1468.35	1957.80	2447.24	2936.69	3426.14			
	5	0.82	3.034		24.92	401.35	802.70	1204.04	1605.39	2006.74	2408.09	2809.44			

		FD:	3.7	Wheel Dia.	25.4 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED SPEED vs RPM									
				Percent Diff		10	20	30	40	50	60	70			
W58	1	3.285	12.1545		6.22	1607.84	3215.68	4823.52	6431.36	8039.20	9647.04	11254.88			
	2	1.984	7.3408		10.30	971.07	1942.13	2913.20	3884.27	4855.33	5826.40	6797.47			
	3	1.275	4.7175	-2.6233	16.02	624.05	1248.09	1872.14	2496.19	3120.24	3744.28	4368.33			
	4	1	3.7		20.43	489.45	978.90	1468.35	1957.80	2447.24	2936.69	3426.14			
	5	0.783	2.8971		26.09	383.24	766.48	1149.72	1532.95	1916.19	2299.43	2682.67			

		FD:	3.7	Wheel Dia.	25.4 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED RPM VS SPEED									
				Percent Diff		1000	2000	2500	3000	3500	4000	5000	6000	6800	
W58	1	3.285	12.1545		6.22	6.22	12.44	15.55	18.66	21.77	24.88	31.10	37.32	42.29	
	2	1.984	7.3408		10.30	10.30	20.60	25.74	30.89	36.04	41.19	51.49	61.79	70.03	
	3	1.275	4.7175		16.02	16.02	32.05	40.06	48.07	56.09	64.10	80.12	96.15	108.97	
	4	1	3.7		20.43	20.43	40.86	51.08	61.29	71.51	81.72	102.16	122.59	138.93	
	5	0.783	2.8971		26.09	26.09	52.19	65.23	78.28	91.33	104.37	130.47	156.56	177.44	

		FD:	3.7	Wheel Dia.	24.8 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED RPM VS SPEED									
				Percent Diff		1000	2000	2500	3000	3500	4000	5000	6000	6800	
TR3	1	3.139	11.6143		6.36	6.36	12.71	15.89	19.07	22.24	25.42	31.78	38.13	43.21	
	2	2.01	7.437		9.92	9.92	19.85	24.81	29.77	34.74	39.70	49.62	59.55	67.49	
	3	1.325	4.9025		15.06	15.06	30.11	37.64	45.17	52.69	60.22	75.28	90.33	102.38	
	4	1	3.7		19.95	19.95	39.90	49.87	59.85	69.82	79.79	99.74	119.69	135.65	
	5	0.82	3.034		24.33	24.33	48.65	60.82	72.98	85.15	97.31	121.64	145.96	165.43	

		FD:	3.7	Wheel Dia.	25.4 inches										
			Overall Ratio		MPH/1000 RPM	INDICATED RPM VS SPEED									
				Percent Diff		1000	2000	2500	3000	3500	4000	5000	6000	6800	
TR4	1	3.139	11.6143		6.51	6.51	13.02	16.27	19.53	22.78	26.04	32.54	39.05	44.26	
	2	2.01	7.437		10.16	10.16	20.33	25.41	30.49	35.58	40.66	50.82	60.99	69.12	
	3	1.325	4.9025		15.42	15.42	30.84	38.55	46.26	53.97	61.68	77.10	92.52	104.85	
	4	1	3.7		20.43	20.43	40.86	51.08	61.29	71.51	81.72	102.16	122.59	138.93	
	5	0.82	3.034		24.92	24.92	49.83	62.29	74.75	87.21	99.66	124.58	149.50	169.43	