

# PSC Tech Topics:

## Torque Density Comparison – PSC Series 47, TB Wood’s GCF, Thomas CMR



Coupling	Torque (in-lbs)	Diameter (in)	Weight (lbs)	Std Max Bore (in)	Spec Max Bore (in)	Torque (in-lbs)/Weight (lbs)
PSC 47-516	3,000	2.73	2.5	1.50	2.63	1,196
CMR 162	5,740	6.25	8.0	1.88		718
PSC 47-696	7,000	3.50	5.6	2.00	3.38	1,253
CMR 200	11,030	7.38	12.0	2.25		919
CMR 225	15,575	7.62	16.0	2.63		973
PSC 47-906	16,000	4.64	12.5	2.50	4.25	1,279
CMR 262	21,038	8.50	25.0	3.13		842
CMR 312	23,650	9.50	39.0	3.63		606
PSC 47-1058	33,000	5.33	19.8	3.00	5.00	1,665
GCF 340	39,997	8.38	46.1	3.94		868
CMR 350	52,800	10.88	56.0	4.00		943
PSC 47-1358	66,000	6.89	38.6	4.00	6.50	1,709
CMR 375	79,442	11.88	77.0	4.50		1,032
CMR 425	88,000	13.12	101.0	4.75		871
GCF 412	119,998	11.00	127.2	4.72		943
CMR 450	136,125	14.75	126.0	5.13		1,080
PSC 47-1708	142,500	8.79	82.9	5.00	8.00	1,719
CMR 500	200,750	16.00	178.0	5.38		1,128
GCF 424	239,997	15.00	260.1	7.48		923
PSC 47-2048	264,000	10.65	146.5	6.00	10.00	1,803
CMR 550	275,055	18.00	245.0	6.00		1,123

Coupling	Torque (in-lbs)	Diameter (in)	Weight (lbs)	Std Max Bore (in)	Spec Max Bore (in)	Torque (in-lbs)/Weight (lbs)
CMR 600	358,875	18.38	321.0	6.50		1,118
CMR 700	456,500	20.38	481.0	7.50		949
PSC 47-2558	474,000	13.18	262.9	7.00	12.50	1,803
GCF 456	559,987	18.00	491.6	8.66		1,139
CMR 750	644,930	24.00	610.0	8.00		1,057
CMR 800	813,780	25.62	800.0	8.75		1,017
CMR 850	898,700	27.38	975.0	9.25		922
PSC 47-3008	950,000	15.47	472.7	8.25	14.00	2,010
GCF 511	1,099,971	22.00	870.8	11.02		1,263
CMR 925	1,281,280	28.88	1180.0	10.12		1,086
CMR 1000	1,487,200	31.62	1650.0	11.00		901
PSC 47-3438	1,500,000	17.63	690.8	9.75	17.00	2,171
CMR 1100	2,046,000	33.38	1950.0	12.00		1,049
CMR 1200	2,202,200	37.50	2550.0	13.00		864
PSC 47-4048	2,250,000	20.88	1188.0	12.00	20.00	1,894
CMR 1300	2,387,000	39.88	3320.0	14.00		719
CMR 1550	3,124,000	43.62	4100.0	15.50		762
PSC 47-4848	3,500,000	24.63	2035.0	14.00	23.00	1,720

✓ The PSC model offers lower mass, better balance, and allows for much longer life of connected equipment