



Final drive ratios for the MR-4TC

(48 & 64 Pitch)

In order to calculate the final drive ratio, use this equation:

$$(spur\ size/pinion\ size) \times 2.200 = final\ drive\ ratio$$

Final drive ratios using 48 pitch gear combinations

	18	19	20	21	22	23	24	25	26	27	28	29	30	31
72	8.80	8.34	7.92	7.54	7.20	6.89	6.60	6.34	6.09	5.87	5.66	5.46	5.28	5.11
75	9.17	8.68	8.25	7.86	7.50	7.17	6.88	6.60	6.35	6.11	5.89	5.69	5.50	5.32
78	9.53	9.03	8.58	8.17	7.80	7.46	7.15	6.86	6.60	6.36	6.13	5.92	5.72	5.54
81	9.90	9.38	8.91	8.49	8.10	7.75	7.43	7.13	6.85	6.60	6.36	6.14	5.94	5.75
84	10.27	9.73	9.24	8.80	8.40	8.03	7.70	7.39	7.11	6.84	6.60	6.37	6.16	5.96

Final drive ratios using 64 pitch gear combinations

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
96	8.80	8.45	8.12	7.82	7.54	7.28	7.04	6.81	6.60	6.40	6.21	6.03	5.87	5.71	5.56	5.42	5.28	5.15
100	9.17	8.80	8.46	8.15	7.86	7.59	7.33	7.10	6.88	6.67	6.47	6.29	6.11	5.95	5.79	5.64	5.50	5.37
104	9.53	9.15	8.80	8.47	8.17	7.89	7.63	7.38	7.15	6.93	6.73	6.54	6.36	6.18	6.02	5.87	5.72	5.58
108	9.90	9.50	9.14	8.80	8.49	8.19	7.92	7.66	7.43	7.20	6.99	6.79	6.60	6.42	6.25	6.09	5.94	5.80
112	10.27	9.86	9.48	9.13	8.80	8.50	8.21	7.95	7.70	7.47	7.25	7.04	6.84	6.66	6.48	6.32	6.16	6.01

Suggested gearing for 24 deg stock motors (pinion x spur):

Reedy Rage Type-R: 23x78, 24x78, 25x78

Trinity Paradox or P2K: 26x78, 27x78, 28x78, 29x78

Suggested gearing for modified motors :

modified motors	gear combination
9 turn	19x78
10 turn	20x78
11 turn	21x78
12 turn	22x78
13 turn	23x78
14 turn	24x78
15 turn	25x78