



917-950

Premium Lightweight Quick Change Gear Sets

Quick change gear sets are constructed from high strength alloy steel for higher HP cars with bigger tires. They are lightweight, which decreases your rotating weight, and feature REM polished surfaces for less friction, cooler running and longer life.

To Determine Gear RPM Change:

$$(RPM) \div (\text{Gear Ratio}) \times (\text{New Ratio}) = (\text{New RPM})$$

Example $8000 \div 6.58 \times 6.35 = 7720$

To Determine Final Drive:

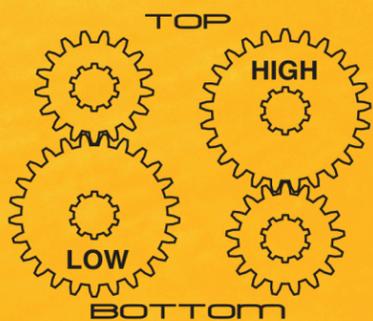
$$(\# \text{ Teeth Top Gear}) \div (\# \text{ Teeth Bottom Gear})$$

x R&P Ratio = Final Drive

Gearing Formulas

$$\frac{\text{Ratio} \times \text{MPH}}{\text{Tire DIA}} \times 336 = \text{RPM}$$

$$\text{Ratio} = \frac{\text{RPM} \times \text{Tire DIA}}{\text{MPH} \times 336}$$



To Determine Ring & Pinion Ratio:

Remove cover and mark pinion. Rotate wheel ONE FULL rotation and count the number of pinion rotations. Slightly over 4 = 4.11 and Almost 5 = 4.86

SET NUMBER	TEETH	SPUR RATIO	4.11 R & P		4.86 R & P	
			LOW	HIGH	LOW	HIGH
1	21/21	1.000	4.11	4.11	4.86	4.86
2	27/28	1.037	3.96	4.26	4.69	5.04
15A	21/22	1.048	3.92	4.31	4.64	5.09
15	19/20	1.052	3.91	4.32	4.62	5.11
26	27/29	1.074	3.83	4.41	4.53	5.22
6	23/25	1.087	3.78	4.47	4.47	5.28
25	20/22	1.100	3.74	4.52	4.42	5.35
12	26/29	1.115	3.69	4.58	4.36	5.42
7	23/26	1.130	3.64	4.64	4.30	5.49
7A	21/24	1.143	3.60	4.70	4.25	5.55
17	26/30	1.154	3.56	4.74	4.21	5.61
17A	24/28	1.166	3.52	4.79	4.17	5.67
8A	23/27	1.174	3.50	4.83	4.14	5.71
8	22/26	1.182	3.48	4.86	4.11	5.74
19	21/25	1.190	3.45	4.89	4.08	5.78
9A	25/30	1.200	3.43	4.93	4.05	5.83
9	19/23	1.210	3.40	4.97	4.02	5.88
11	22/27	1.227	3.35	5.04	3.96	5.96
13	20/25	1.250	3.29	5.14	3.89	6.08
18	23/29	1.260	3.26	5.18	3.86	6.12
18A	22/28	1.273	3.23	5.23	3.82	6.19
4A	18/23	1.278	3.22	5.25	3.80	6.21
20A	21/27	1.286	3.20	5.29	3.78	6.25
3	25/31	1.291	3.18	5.31	3.76	6.27
4	24/31	1.292	3.18	5.31	3.76	6.28
20	20/26	1.300	3.16	5.34	3.74	6.32
22	19/25	1.315	3.13	5.40	3.70	6.39
16	18/24	1.333	3.08	5.48	3.65	6.48
10	17/23	1.353	3.04	5.56	3.59	6.58
10A	22/30	1.364	3.01	5.61	3.56	6.63
34A	16/22	1.375	2.99	5.65	3.53	6.68
34	21/29	1.380	2.98	5.67	3.52	6.71
14	23/32	1.391	2.95	5.72	3.49	6.76
14A	20/28	1.400	2.94	5.75	3.47	6.80
35	17/24	1.412	2.91	5.80	3.44	6.86
32	19/27	1.421	2.89	5.84	3.42	6.91
32A	23/33	1.435	2.86	5.90	3.39	6.97
24	20/29	1.450	2.83	5.96	3.35	7.05
36	17/25	1.470	2.80	6.04	3.31	7.14
37	21/31	1.476	2.78	6.07	3.29	7.17
23	22/33	1.500	2.74	6.17	3.24	7.29
21	19/29	1.526	2.69	6.27	3.18	7.42
30A	15/26	1.529	2.69	6.28	3.18	7.43
21A	15/23	1.533	2.68	6.30	3.17	7.45
27	22/34	1.545	2.66	6.35	3.15	7.51
43	16/25	1.562	2.63	6.42	3.11	7.59
28	19/30	1.579	2.60	6.49	3.08	7.67
28A	17/27	1.588	2.59	6.53	3.06	7.72
29	15/24	1.600	2.57	6.58	3.04	7.78
39	18/29	1.611	2.55	6.62	3.02	7.83
30	16/26	1.625	2.53	6.68	2.99	7.90
40	19/31	1.631	2.52	6.70	2.98	7.93
41	17/28	1.647	2.50	6.77	2.95	8.00
31	21/35	1.666	2.47	6.85	2.92	8.10
33A	16/27	1.687	2.44	6.93	2.88	8.20
33	20/34	1.700	2.42	6.99	2.86	8.26
31A	21/36	1.714	2.40	7.04	2.84	8.33

