

**B & J Engineering**  
**10 Spline Champ Gears**  
**4425 Santa Fe Dr, Kingman AZ 86401**  
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Set No.	No. of Teeth	Spur Ratio	4.12		4.57		4.86	
			Low	High	Low	High	Low	High
1	24/24	1.000	4.12	4.12	4.57	4.57	4.86	4.86
2	28/27	1.037	4.27	3.97	4.74	4.41	5.04	4.69
5	25/24	1.042	4.29	3.96	4.76	4.39	5.06	4.67
15	21/20	1.050	4.33	3.92	4.80	4.35	5.10	4.63
15K	17/16	1.063	4.38	3.88	4.86	4.30	5.16	4.57
26	28/26	1.077	4.44	3.83	4.92	4.24	5.23	4.51
6	25/23	1.087	4.48	3.79	4.97	4.20	5.28	4.47
25	22/20	1.100	4.53	3.75	5.03	4.15	5.35	4.42
12	29/26	1.115	4.60	3.69	5.10	4.10	5.42	4.36
7	26/23	1.130	4.66	3.64	5.17	4.04	5.49	4.30
7K	24/21	1.143	4.71	3.61	5.22	4.00	5.55	4.25
17K	23/20	1.150	4.74	3.58	5.26	3.97	5.59	4.23
17	22/19	1.158	4.77	3.56	5.29	3.95	5.63	4.20
8K	27/23	1.174	4.84	3.51	5.36	3.89	5.71	4.14
8	26/22	1.182	4.87	3.49	5.40	3.87	5.74	4.11
19	25/21	1.190	4.90	3.46	5.44	3.84	5.79	4.08
9B	24/20	1.200	4.94	3.43	5.48	3.81	5.83	4.05
9	23/19	1.211	4.99	3.40	5.53	3.78	5.88	4.01
11	22/18	1.222	5.04	3.37	5.59	3.74	5.94	3.98
3B	26/21	1.238	5.10	3.33	5.66	3.69	6.02	3.93
13	25/20	1.250	5.15	3.30	5.71	3.66	6.08	3.89
18	24/19	1.263	5.20	3.26	5.77	3.62	6.14	3.85
18Q	28/22	1.273	5.24	3.24	5.82	3.59	6.19	3.82
4K	23/18	1.278	5.26	3.22	5.84	3.58	6.21	3.80
4B	27/21	1.286	5.30	3.20	5.88	3.55	6.25	3.78
20	27/20	1.350	5.56	3.05	6.17	3.39	6.56	3.60
22	25/19	1.316	5.42	3.13	6.01	3.47	6.39	3.69
16	24/18	1.333	5.49	3.09	6.09	3.43	6.48	3.65
10	23/17	1.353	5.57	3.05	6.18	3.38	6.58	3.59
34A	26/19	1.368	5.64	3.01	6.25	3.34	6.65	3.55
34	29/21	1.381	5.69	2.98	6.31	3.31	6.71	3.52
14	25/18	1.389	5.72	2.97	6.35	3.29	6.75	3.50
14K	28/20	1.400	5.77	2.94	6.40	3.26	6.80	3.47
35	24/17	1.412	5.82	2.92	6.45	3.24	6.86	3.44
32	27/19	1.421	5.85	2.90	6.49	3.22	6.91	3.42
32B	23/16	1.438	5.92	2.87	6.57	3.18	6.99	3.38
24	29/20	1.450	5.97	2.84	6.63	3.15	7.05	3.35
36	25/17	1.471	6.06	2.80	6.72	3.11	7.15	3.30
37B	31/21	1.476	6.08	2.79	6.75	3.10	7.17	3.29
23	30/20	1.500	6.18	2.75	6.86	3.05	7.29	3.24
21	29/19	1.526	6.29	2.70	6.98	2.99	7.42	3.18
27B	31/20	1.550	6.39	2.66	7.08	2.95	7.53	3.14
43	25/16	1.563	6.44	2.64	7.14	2.92	7.59	3.11
28	30/19	1.579	6.51	2.61	7.22	2.89	7.67	3.08
28B	27/17	1.588	6.54	2.59	7.26	2.88	7.72	3.06
29	32/20	1.600	6.59	2.58	7.31	2.86	7.78	3.04
39	29/18	1.611	6.64	2.56	7.36	2.84	7.83	3.02
30	26/16	1.625	6.70	2.54	7.43	2.81	7.90	2.99
40	31/19	1.632	6.72	2.53	7.46	2.80	7.93	2.98
41	28/17	1.647	6.79	2.50	7.53	2.77	8.00	2.95
31	30/18	1.667	6.87	2.47	7.62	2.74	8.10	2.92
33K	27/16	1.688	6.95	2.44	7.71	2.71	8.20	2.88
33	34/20	1.700	7.00	2.42	7.77	2.69	8.26	2.86
31A	24/14	1.714	7.06	2.40	7.83	2.67	8.33	2.84
30A	26/15	1.733	7.14	2.38	7.92	2.64	8.42	2.80
50	28/16	1.750	7.21	2.35	8.00	2.61	8.51	2.78
52	32/18	1.778	7.32	2.32	8.12	2.57	8.64	2.73
54	36/20	1.800	7.42	2.29	8.23	2.54	8.75	2.70
56B	33/18	1.833	7.55	2.25	8.38	2.49	8.91	2.65