



Gear Chart 64DP

Maximum Tooth Sum = 154
 Minimum Tooth Sum = 142
 Internal Ratio = 1.8181:1

	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
90																												3.15	3.09	3.03	2.98	2.92	2.87	2.82	2.77	2.73	2.68	2.64	
92																											3.35	3.28	3.22	3.16	3.10	3.04	2.99	2.93	2.88	2.84	2.79	2.74	2.70
94																									3.56	3.49	3.42	3.35	3.29	3.22	3.16	3.11	3.05	3.00	2.95	2.90	2.85		
96																							3.79	3.71	3.64	3.56	3.49	3.42	3.36	3.29	3.23	3.17	3.12	3.06	3.01				
98																					4.05	3.96	3.87	3.79	3.71	3.64	3.56	3.49	3.43	3.36	3.30	3.24	3.18						
100																			4.33	4.23	4.13	4.04	3.95	3.86	3.78	3.71	3.64	3.57	3.50	3.43	3.37								
102																			4.64	4.52	4.42	4.31	4.21	4.12	4.03	3.95	3.86	3.78	3.71	3.64	3.57								
104																			4.98	4.85	4.73	4.61	4.50	4.40	4.30	4.20	4.11	4.02	3.94	3.86	3.78								
106																			5.35	5.21	5.07	4.94	4.82	4.70	4.59	4.48	4.38	4.28	4.19	4.10	4.02								
108																			5.78	5.61	5.45	5.31	5.17	5.03	4.91	4.79	4.68	4.57	4.46	4.36	4.27								
110																			6.25	6.06	5.88	5.71	5.56	5.41	5.26	5.13	5.00	4.88	4.76	4.65	4.55								
112																			6.79	6.57	6.36	6.17	5.99	5.82	5.66	5.50	5.36	5.22	5.09	4.97	4.85								
114																			7.40	7.15	6.91	6.69	6.48	6.28	6.10	5.92	5.76	5.60	5.45	5.31	5.18								
116																			8.11	7.81	7.53	7.27	7.03	6.80	6.59	6.39	6.20	6.03	5.86	5.70	5.55								
120	9.09	8.73	8.39	8.08	7.79	7.52	7.27	7.04	6.82	6.61	6.42																												

Gear Chart 48DP

Maximum Tooth Sum = 115
 Minimum Tooth Sum = 106
 Internal Ratio = 1.8181:1

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46										
69																																							
70																																							
71																																							
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83																																							
84																																							
85																																							
86																																							
87																																							
89	8.99	8.52	8.09	7.71	7.36	7.04	6.74	6.47	6.22																														

Calculating FDR = $\frac{\text{SPUR} \times 1.8181}{\text{PINION}}$

Calculating spur = $\frac{\text{FDR} \times \text{PINION}}{1.8181}$

Calculating pinion = $\frac{\text{SPUR} \times 1.8181}{\text{FDR}}$