

diffsonline.com

custom race gearing

Differential Gearing Worksheet

Step 1: Enter Gear Ratio

3.45

Aspect

Width

ratio

Diameter

Step 2: Enter Tire Size:

225

50.00

16

	1st	2nd	3rd	4th	5th	6th
Ratio:	3.82	2.20	1.40	1.00	0.81	0.00

(E36 M3 ratios - 6th gear for Euro)

RPM	1st	2nd	3rd	4th	5th	6th
750	4	7	11	16	20	0
1000	6	10	15	21	26	0
1250	7	12	19	27	33	0
1500	8	15	23	32	40	0
1750	10	17	27	38	46	0
2000	11	19	31	43	53	0
2250	13	22	34	48	60	0
2500	14	24	38	54	66	0
2750	15	27	42	59	73	0
3000	17	29	46	64	79	0
3250	18	32	50	70	86	0
3500	20	34	54	75	93	0
3750	21	37	57	80	99	0
4000	22	39	61	86	106	0
4250	24	41	65	91	112	0
4500	25	44	69	96	119	0
4750	27	46	73	102	126	0
5000	28	49	77	107	132	0
5250	29	51	80	113	139	0
5500	31	54	84	118	146	0
5750	32	56	88	123	152	0
6000	34	58	92	129	159	0
6250	35	61	96	134	165	0
6500	36	63	100	139	172	0
6750	38	66	103	145	179	0
7000	39	68	107	150	185	0
7250	41	71	111	155	192	0
7500	42	73	115	161	199	0
7750	43	76	119	166	205	0