

# 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

45.00

17

|        | 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   | 12  | 16  | 20  | 0   |
| 1000 | 6   | 10  | 15  | 22  | 27  | 0   |
| 1250 | 7   | 12  | 19  | 27  | 33  | 0   |
| 1500 | 8   | 15  | 23  | 32  | 40  | 0   |
| 1750 | 10  | 17  | 27  | 38  | 47  | 0   |
| 2000 | 11  | 20  | 31  | 43  | 53  | 0   |
| 2250 | 13  | 22  | 35  | 48  | 60  | 0   |
| 2500 | 14  | 24  | 38  | 54  | 66  | 0   |
| 2750 | 16  | 27  | 42  | 59  | 73  | 0   |
| 3000 | 17  | 29  | 46  | 65  | 80  | 0   |
| 3250 | 18  | 32  | 50  | 70  | 86  | 0   |
| 3500 | 20  | 34  | 54  | 75  | 93  | 0   |
| 3750 | 21  | 37  | 58  | 81  | 100 | 0   |
| 4000 | 23  | 39  | 62  | 86  | 106 | 0   |
| 4250 | 24  | 42  | 65  | 92  | 113 | 0   |
| 4500 | 25  | 44  | 69  | 97  | 120 | 0   |
| 4750 | 27  | 47  | 73  | 102 | 126 | 0   |
| 5000 | 28  | 49  | 77  | 108 | 133 | 0   |
| 5250 | 30  | 51  | 81  | 113 | 140 | 0   |
| 5500 | 31  | 54  | 85  | 118 | 146 | 0   |
| 5750 | 32  | 56  | 88  | 124 | 153 | 0   |
| 6000 | 34  | 59  | 92  | 129 | 160 | 0   |
| 6250 | 35  | 61  | 96  | 135 | 166 | 0   |
| 6500 | 37  | 64  | 100 | 140 | 173 | 0   |
| 6750 | 38  | 66  | 104 | 145 | 179 | 0   |
| 7000 | 39  | 69  | 108 | 151 | 186 | 0   |
| 7250 | 41  | 71  | 112 | 156 | 193 | 0   |
| 7500 | 42  | 73  | 115 | 162 | 199 | 0   |
| 7750 | 44  | 76  | 119 | 167 | 206 | 0   |