



# Sprocket ratios RK1 Junior

Proposal for sprocket ratio between axle and engine versus various go-kart tracks:

Dry weather: Variation on rear axle is  $\pm 2$  gear teeth.

Rain: Variation on rear axle is 2-3 gear teeth larger.

Chain 219H length depending on sprocket ratio (98, 100, 102, 104, 106, 108, 110, 112).

| Sprockets |      | Ratio | Sprockets |      | Ratio | Sprockets |      | Ratio | Sprockets |      | Ratio | Go-kart track        |
|-----------|------|-------|-----------|------|-------|-----------|------|-------|-----------|------|-------|----------------------|
| motor     | axle | 1 : X | motor     | axle | 1 : X | motor     | axle | 1 : X | motor     | axle | 1 : X |                      |
| 11        | 87   | 7,91  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 86   | 7,82  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 85   | 7,73  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 84   | 7,64  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 83   | 7,55  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 82   | 7,45  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 81   | 7,36  |           |      |       |           |      |       |           |      |       |                      |
| 11        | 80   | 7,27  | 12        | 87   | 7,25  |           |      |       |           |      |       |                      |
| 11        | 79   | 7,18  | 12        | 86   | 7,17  |           |      |       |           |      |       |                      |
| 11        | 78   | 7,09  | 12        | 85   | 7,08  |           |      |       |           |      |       |                      |
| 11        | 77   | 7,00  | 12        | 84   | 7,00  |           |      |       |           |      |       | Ulrum                |
| 11        | 76   | 6,91  | 12        | 83   | 6,92  |           |      |       |           |      |       | Dankern              |
| 11        | 75   | 6,82  | 12        | 82   | 6,83  |           |      |       |           |      |       |                      |
| 11        | 74   | 6,73  | 12        | 81   | 6,75  |           |      |       |           |      |       |                      |
| 11        | 73   | 6,64  | 12        | 80   | 6,67  | 13        | 87   | 6,69  |           |      |       | Texel, Eefde         |
| 11        | 72   | 6,55  | 12        | 79   | 6,58  | 13        | 86   | 6,62  |           |      |       | Berghem              |
|           |      |       | 12        | 78   | 6,50  | 13        | 85   | 6,54  |           |      |       |                      |
| 11        | 71   | 6,45  | 12        | 77   | 6,42  | 13        | 84   | 6,46  |           |      |       | Lelystad, Driebergen |
| 11        | 70   | 6,36  |           |      |       | 13        | 83   | 6,38  |           |      |       |                      |
| 11        | 69   | 6,27  | 12        | 76   | 6,33  | 13        | 82   | 6,31  |           |      |       | Vledderveen          |
| 11        | 68   | 6,18  | 12        | 75   | 6,25  | 13        | 81   | 6,23  | 14        | 87   | 6,21  | Emsburen             |
|           |      |       | 12        | 74   | 6,17  | 13        | 80   | 6,15  | 14        | 86   | 6,14  | Assen                |
|           |      |       | 12        | 73   | 6,08  | 13        | 79   | 6,08  | 14        | 85   | 6,07  |                      |
|           |      |       | 12        | 72   | 6,00  | 13        | 78   | 6,00  | 14        | 84   | 6,00  | Strijen              |
|           |      |       | 12        | 71   | 5,92  | 13        | 77   | 5,92  | 14        | 83   | 5,93  |                      |
|           |      |       | 12        | 70   | 5,83  | 13        | 76   | 5,85  | 14        | 82   | 5,86  |                      |
|           |      |       | 12        | 69   | 5,75  | 13        | 75   | 5,77  | 14        | 81   | 5,79  |                      |
|           |      |       | 12        | 68   | 5,67  | 13        | 74   | 5,69  | 14        | 80   | 5,71  |                      |
|           |      |       |           |      |       | 13        | 73   | 5,62  | 14        | 79   | 5,64  | Landsard, Kerpen     |
|           |      |       |           |      |       | 13        | 72   | 5,54  | 14        | 78   | 5,57  | Venray               |
|           |      |       |           |      |       |           |      |       | 14        | 77   | 5,50  |                      |
|           |      |       |           |      |       | 13        | 71   | 5,46  | 14        | 76   | 5,43  | Spa                  |
|           |      |       |           |      |       | 13        | 70   | 5,38  | 14        | 75   | 5,36  | Genk, Pottendijk     |
|           |      |       |           |      |       | 13        | 69   | 5,31  | 14        | 74   | 5,29  |                      |
|           |      |       |           |      |       | 13        | 68   | 5,23  | 14        | 73   | 5,21  |                      |
|           |      |       |           |      |       |           |      |       | 14        | 72   | 5,14  |                      |
|           |      |       |           |      |       |           |      |       | 14        | 71   | 5,07  |                      |
|           |      |       |           |      |       |           |      |       | 14        | 70   | 5,00  |                      |
|           |      |       |           |      |       |           |      |       | 14        | 69   | 4,93  |                      |
|           |      |       |           |      |       |           |      |       | 14        | 68   | 4,86  |                      |

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