



Slot Car Corner - Slot.It Gear Ratio Chart (April 21, 2017)

| | Pinion | Inline Crown Gear | | | | | | | | | | Ratio | | |
|---------------|---------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------|--------|--|--|
| | | SIGI23-Bz | SIGI24-Bz | SIGI25-Bz | SIGI26-Bz | SIGI27-Bz | SIGI28-Bz | SIGI29-Bz | SIGI30-Bz | Braking | Lower | Higher | | |
| Inline | Bronze - Standard | | | | | | | | | | | | | |
| | Aluminum - Standard | | | | | | | | | | | | | |
| | Bronze - Offset | | | | | | | | | | | | | |
| | Aluminum - Offset | | | | | | | | | | | | | |
| | | | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | |
| | SIPI08 | 8 | 2.88 | 3.00 | 3.13 | 3.25 | 3.38 | 3.50 | 3.63 | 3.75 | | | | |
| | SIPI09 | 9 | 2.56 | 2.67 | 2.78 | 2.89 | 3.00 | 3.11 | 3.22 | 3.33 | | | | |
| | SIPI10 | 10 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 3.00 | | | | |
| | SIPI11 | 11 | 2.09 | 2.18 | 2.27 | 2.36 | 2.45 | 2.55 | 2.64 | 2.73 | | | | |
| | SIPI559o15 | 9 | 2.56 | 2.67 | 2.78 | 2.89 | 3.00 | 3.11 | 3.22 | 3.33 | | | | |
| SIPI5510o15 | 10 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 3.00 | | | | | |

| | Pinion | Sidewinder Spur Gear - 18mm | | | | | | Sidewinder Spur Gear - 19mm | | | |
|-------------------|--------------------|-----------------------------|----------|----------|----------|----------|----------|-----------------------------|----------|----------|------|
| | | SIGS1831 | SIGS1832 | SIGS1833 | SIGS1834 | SIGS1835 | SIGS1836 | SIGS1934 | SIGS1936 | SIGS1938 | |
| Sidewinder | Aluminum + Plastic | SIGS1832-PI | | | | | | | | | |
| | Lightened Ergal | 31 | 32 | 33 | 34 | 35 | 36 | 34 | 36 | 38 | |
| | SIPI08 | 8 | | | | | | 4.25 | 4.50 | 4.75 | |
| | SIPI09 | 9 | | | | | | 3.78 | 4.00 | 4.22 | |
| | SIPI10 | 10 | | | | | | 3.40 | 3.60 | 3.80 | |
| | SIPI11 | 11 | | | | | | 3.09 | 3.27 | 3.45 | |
| | SIPI6010o | 10 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.40 | 3.60 | 3.80 |
| | SIPI6011o | 11 | 2.82 | 2.91 | 3.00 | 3.09 | 3.18 | 3.27 | 3.09 | 3.27 | 3.45 |
| | SIPS10 | 10 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.40 | 3.60 | 3.80 |
| | SIPS11 | 11 | 2.82 | 2.91 | 3.00 | 3.09 | 3.18 | 3.27 | 3.09 | 3.27 | 3.45 |
| SIPS12 | 12 | 2.58 | 2.67 | 2.75 | 2.83 | 2.92 | 3.00 | 2.83 | 3.00 | 3.17 | |
| SIPS13 | 13 | 2.38 | 2.46 | 2.54 | 2.62 | 2.69 | 2.77 | 2.62 | 2.77 | 2.92 | |

| | Pinion | Anglewinder Gear | | | | | | | | | | | | Anglewinder Long Hub Gear | | | | |
|--------------------|--------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|---------------------------|-----------|----------|----------|----------|
| | | SIGA1524-PI | SIGA1525-PI | SIGA1526-PI | SIGA1626-PI | SIGA1627-PI | SIGA1628-PI | SIGA1629-PI | SIGA1630-PI | SIGA1831e | SIGA1832e | SIGA1833e | SIGA1834e | SIGA1835e | SIGA1836e | SIGA24LH | SIGA25LH | SIGA26LH |
| Anglewinder | Aluminum + Plastic | | | | | | | | | | | | | | | | | |
| | Aluminum + Plastic | | | | | | | | | | | | | | | | | |
| | Lightened Ergal | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 24 | 25 | 26 | |
| | SIPS10/PI6510e | 10 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | | | |
| | SIPS11/PI6511e | 11 | 2.18 | 2.27 | 2.36 | 2.45 | 2.55 | 2.64 | 2.73 | 2.82 | 2.91 | 3.00 | 3.09 | 3.18 | 3.27 | | | |
| | SIPS12/PI6512e | 12 | 2.00 | 2.08 | 2.17 | 2.25 | 2.33 | 2.42 | 2.50 | 2.58 | 2.67 | 2.75 | 2.83 | 2.92 | 3.00 | | | |
| | SIPS13/PI6513e | 13 | 1.85 | 1.92 | 2.00 | 2.08 | 2.15 | 2.23 | 2.31 | 2.38 | 2.46 | 2.54 | 2.62 | 2.69 | 2.77 | | | |
| | SIPI6711o | 11 | | | | | | | | | | | | | | 2.18 | 2.27 | 2.36 |
| | SIPI6712o | 12 | | | | | | | | | | | | | | 2.00 | 2.08 | 2.17 |
| | SIPI7012e | 12 | 2.00 | 2.08 | 2.17 | | | | | | | | | | | | | |
| SIPI7013e | 13 | 1.85 | 1.92 | 2.00 | | | | | | | | | | | | | | |
| SIPI7014e | 14 | 1.71 | 1.79 | 1.86 | | | | | | | | | | | | | | |

| Ratio | Lower | Higher |
|--------------|-------|--------|
| Braking | Less | More |
| Acceleration | Less | More |
| Top Speed | More | Less |

Notes

Inline

Inline gears use 5.5mm pinions for SICH13b/48/70/110 motor mounts and SICH34b/109 starter kits (SICH24b/49 motor mounts for offset setups).

Sidewinder

18mm spur gears use 6.5mm pinions. Motor mounts SICH62/67 can be used, as well as SIKK12b/13b conversion kits and SICH31c/33b starter kits.

19mm spur gears use 5.5mm pinions with motor mounts SICH62/67, 6.0mm pinions with motor mounts SICH62/64/65/67/68/69 and 6.5mm pinions with motor mount SICH03b.

Anglewinder

Anglewinder gears use 6.5mm pinions with motor mounts SICH29/60b/61/74/75/76/82, as well as SICH32b/35 starter kits and SIKK10b/11 conversion kits.

Anglewinder long hub gears use 6.75mm pinions with motor mounts SICH29/60b/61/74/75/76/82.

15mm anglewinder gears use 6.5mm pinions with a 1mm (0.050") spacer, and can be used with SIKK14c/16 conversion kits.