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# SWORKz SMJ CX11 Gear Ratio Chart - 48DP (Even Spur Gears)

Gear Tooth Size: 48

Diff/Spool Pulley Tooth Count: 38 | Layshaft Pulley Tooth Count: 19 | Internal Transmission Ratio: 2.00 :1 | Usable Pinion + Spur Tooth Sum: 99 to 116

| | | | Spur Gear | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **56** | **58** | **60** | **62** | **64** | **66** | **68** | **70** | **72** | **74** | **76** | **78** | **80** | **82** | **84** | | | | | | |
| | | Diameter (mm) | 30.69 | 31.75 | 32.81 | 33.87 | 34.93 | 35.98 | 37.04 | 38.10 | 39.16 | 40.22 | 41.28 | 42.33 | 43.39 | 44.45 | 45.51 | | | | | | |
| Pinion Gear | **16** | 9.53 | | | | | | | | | | | | | | | 10.50 | | | | | | |
| | **17** | 10.05 | | | | | | | | | | | | | | 9.65 | 9.88 | | | | | | |
| | **18** | 10.58 | | | | | | | | | | | | | | 9.11 | 9.33 | | | | | | |
| | **19** | 11.11 | | | | | | | | | | | | | 8.42 | 8.63 | 8.84 | | | | | | |
| | **20** | 11.64 | | | | | | | | | | | | | 8.00 | 8.20 | 8.40 | | | | | | |
| | **21** | 12.17 | | | | | | | | | | | | 7.43 | 7.62 | 7.81 | 8.00 | | | | | | |
| | **22** | 12.70 | | | | | | | | | | | | 7.09 | 7.27 | 7.45 | 7.64 | | | | | | |
| | **23** | 13.23 | | | | | | | | | | | 6.61 | 6.78 | 6.96 | 7.13 | 7.30 | | | | | | |
| | **24** | 13.76 | | | | | | | | | | | 6.33 | 6.50 | 6.67 | 6.83 | 7.00 | | | | | | |
| | **25** | 14.29 | | | | | | | | | | 5.92 | 6.08 | 6.24 | 6.40 | 6.56 | 6.72 | | | | | | |
| | **26** | 14.82 | | | | | | | | | | 5.69 | 5.85 | 6.00 | 6.15 | 6.31 | 6.46 | | | | | | |
| | **27** | 15.35 | | | | | | | | | 5.33 | 5.48 | 5.63 | 5.78 | 5.93 | 6.07 | 6.22 | | | | | | |
| | **28** | 15.88 | | | | | | | | | 5.14 | 5.29 | 5.43 | 5.57 | 5.71 | 5.86 | 6.00 | | | | | | |
| | **29** | 16.40 | | | | | | | | 4.83 | 4.97 | 5.10 | 5.24 | 5.38 | 5.52 | 5.66 | 5.79 | | | | | | |
| | **30** | 16.93 | | | | | | | | 4.67 | 4.80 | 4.93 | 5.07 | 5.20 | 5.33 | 5.47 | 5.60 | | | | | | |
| | **31** | 17.46 | | | | | | | 4.39 | 4.52 | 4.65 | 4.77 | 4.90 | 5.03 | 5.16 | 5.29 | 5.42 | | | | | | |
| | **32** | 17.99 | | | | | | | 4.25 | 4.38 | 4.50 | 4.63 | 4.75 | 4.88 | 5.00 | 5.13 | 5.25 | | | | | | |
| | **33** | 18.52 | | | | | | 4.00 | 4.12 | 4.24 | 4.36 | 4.48 | 4.61 | 4.73 | 4.85 | 4.97 | | | | | | | |
| | **34** | 19.05 | | | | | | 3.88 | 4.00 | 4.12 | 4.24 | 4.35 | 4.47 | 4.59 | 4.71 | 4.82 | | | | | | | |
| | **35** | 19.58 | | | | | 3.66 | 3.77 | 3.89 | 4.00 | 4.11 | 4.23 | 4.34 | 4.46 | 4.57 | | | | | | | | |
| | **36** | 20.11 | | | | | 3.56 | 3.67 | 3.78 | 3.89 | 4.00 | 4.11 | 4.22 | 4.33 | 4.44 | | | | | | | | |
| | **37** | 20.64 | | | | 3.35 | 3.46 | 3.57 | 3.68 | 3.78 | 3.89 | 4.00 | 4.11 | 4.22 | | | | | | | | | |
| | **38** | 21.17 | | | | 3.26 | 3.37 | 3.47 | 3.58 | 3.68 | 3.79 | 3.89 | 4.00 | 4.11 | | | | | | | | | |
| | **39** | 21.70 | | | 3.08 | 3.18 | 3.28 | 3.38 | 3.49 | 3.59 | 3.69 | 3.79 | 3.90 | | | | | | | | | | |
| | **40** | 22.23 | | | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.70 | 3.80 | | | | | | | | | | |