Spur Gear

Pinion

| | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | | | | | | | | | | | | | 2.08 | 2.05 | 2.02 | 1.99 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 | 1.82 | 1.80 | 1.77 | 1.75 | 1.73 | 1.70 | 1.68 | 1.66 | 1.64 | 1.62 | 1.60 | 1.58 | 1.56 | 1.54 |
| 70 | | | | | | | | | | | | 2.15 | 2.11 | 2.08 | 2.05 | 2.02 | 1.99 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 | 1.82 | 1.80 | 1.77 | 1.75 | 1.73 | 1.71 | 1.68 | 1.66 | 1.64 | 1.62 | 1.60 | 1.58 | |
| 71 | | | | | | | | | | | 2.21 | 2.18 | 2.14 | 2.11 | 2.08 | 2.04 | 2.01 | 1.98 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 | 1.82 | 1.80 | 1.78 | 1.75 | 1.73 | 1.71 | 1.69 | 1.67 | 1.65 | 1.63 | | |
| 72 | | | | | | | | | | 2.28 | 2.24 | 2.21 | 2.17 | 2.14 | 2.10 | 2.07 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 | 1.90 | 1.87 | 1.85 | 1.82 | 1.80 | 1.78 | 1.75 | 1.73 | 1.71 | 1.69 | 1.67 | | | |
| 73 | | | | | | | | | 2.35 | 2.31 | 2.27 | 2.24 | 2.20 | 2.17 | 2.13 | 2.10 | 2.07 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 | 1.90 | 1.87 | 1.85 | 1.83 | 1.80 | 1.78 | 1.76 | 1.73 | 1.71 | | | | |
| 74 | | | | | | | | 2.42 | 2.38 | 2.34 | 2.30 | 2.27 | 2.23 | 2.20 | 2.16 | 2.13 | 2.10 | 2.07 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 | 1.90 | 1.87 | 1.85 | 1.83 | 1.80 | 1.78 | 1.76 | | | | | |
| 75 | | | | | | | 2.50 | 2.46 | 2.42 | 2.38 | 2.34 | 2.30 | 2.26 | 2.23 | 2.19 | 2.16 | 2.13 | 2.10 | 2.07 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 | 1.90 | 1.88 | 1.85 | 1.83 | 1.80 | | | | | | |
| 76 | | | | | | 2.58 | 2.53 | 2.49 | 2.45 | 2.41 | 2.37 | 2.33 | 2.29 | 2.26 | 2.22 | 2.19 | 2.16 | 2.12 | 2.09 | 2.06 | 2.03 | 2.01 | 1.98 | 1.95 | 1.93 | 1.90 | 1.88 | 1.85 | | | | | | | |
| 77 | | | | | 2.66 | 2.61 | 2.57 | 2.52 | 2.48 | 2.44 | 2.40 | 2.36 | 2.32 | 2.29 | 2.25 | 2.22 | 2.18 | 2.15 | 2.12 | 2.09 | 2.06 | 2.03 | 2.00 | 1.98 | 1.95 | 1.93 | 1.90 | | | | | | | | |
| 78 | | | | 2.74 | 2.69 | 2.65 | 2.60 | 2.56 | 2.51 | 2.47 | 2.43 | 2.39 | 2.35 | 2.32 | 2.28 | 2.25 | 2.21 | 2.18 | 2.15 | 2.12 | 2.09 | 2.06 | 2.03 | 2.00 | 1.98 | 1.95 | | | | | | | | | |
| 79 | | | 2.83 | 2.78 | 2.73 | 2.68 | 2.63 | 2.59 | 2.54 | 2.50 | 2.46 | 2.42 | 2.38 | 2.35 | 2.31 | 2.27 | 2.24 | 2.21 | 2.18 | 2.14 | 2.11 | 2.08 | 2.06 | 2.03 | 2.00 | | | | | | | | | | |
| 80 | | 2.92 | 2.87 | 2.81 | 2.76 | 2.71 | 2.67 | 2.62 | 2.58 | 2.53 | 2.49 | 2.45 | 2.41 | 2.38 | 2.34 | 2.30 | 2.27 | 2.24 | 2.20 | 2.17 | 2.14 | 2.11 | 2.08 | 2.05 | | | | | | | | | | | |
| 81 | 3.02 | 2.96 | 2.90 | 2.85 | 2.80 | 2.75 | 2.70 | 2.65 | 2.61 | 2.57 | 2.52 | 2.48 | 2.44 | 2.40 | 2.37 | 2.33 | 2.30 | 2.26 | 2.23 | 2.20 | 2.17 | 2.14 | 2.11 | | | | | | | | | | | | |
| 82 | 3.05 | 3.00 | 2.94 | 2.89 | 2.83 | 2.78 | 2.73 | 2.69 | 2.64 | 2.60 | 2.55 | 2.51 | 2.47 | 2.43 | 2.40 | 2.36 | 2.33 | 2.29 | 2.26 | 2.23 | 2.19 | 2.16 | | | | | | | | | | | | | |
| 83 | 3.09 | 3.03 | 2.98 | 2.92 | 2.87 | 2.82 | 2.77 | 2.72 | 2.67 | 2.63 | 2.59 | 2.54 | 2.50 | 2.46 | 2.43 | 2.39 | 2.35 | 2.32 | 2.29 | 2.25 | 2.22 | | | | | | | | | | | | | | |
| 84 | 3.13 | 3.07 | 3.01 | 2.96 | 2.90 | 2.85 | 2.80 | 2.75 | 2.71 | 2.66 | 2.62 | 2.57 | 2.53 | 2.49 | 2.46 | 2.42 | 2.38 | 2.35 | 2.31 | 2.28 | | | | | | | | | | | | | | | |
| 85 | 3.17 | 3.11 | 3.05 | 2.99 | 2.94 | 2.88 | 2.83 | 2.78 | 2.74 | 2.69 | 2.65 | 2.60 | 2.56 | 2.52 | 2.48 | 2.45 | 2.41 | 2.38 | 2.34 | | | | | | | | | | | | | | | | |
| 86 | 3.20 | 3.14 | 3.08 | 3.03 | 2.97 | 2.92 | 2.87 | 2.82 | 2.77 | 2.72 | 2.68 | 2.64 | 2.59 | 2.55 | 2.51 | 2.48 | 2.44 | 2.40 | | | | | | | | | | | | | | | | | |
| 87 | 3.24 | 3.18 | 3.12 | 3.06 | 3.01 | 2.95 | 2.90 | 2.85 | 2.80 | 2.76 | 2.71 | 2.67 | 2.62 | 2.58 | 2.54 | 2.50 | 2.47 | | | | | | | | | | | | | | | | | | |
| 88 | 3.28 | 3.22 | 3.15 | 3.10 | 3.04 | 2.99 | 2.93 | 2.88 | 2.83 | 2.79 | 2.74 | 2.70 | 2.65 | 2.61 | 2.57 | 2.53 | | | | | | | | | | | | | | | | | | | |
| 89 | 3.32 | 3.25 | 3.19 | 3.13 | 3.07 | 3.02 | 2.97 | 2.92 | 2.87 | 2.82 | 2.77 | 2.73 | 2.68 | 2.64 | 2.60 | | | | | | | | | | | | | | | | | | | | |
| 90 | 3.35 | 3.29 | 3.23 | 3.17 | 3.11 | 3.05 | 3.00 | 2.95 | 2.90 | 2.85 | 2.80 | 2.76 | 2.71 | 2.67 | | | | | | | | | | | | | | | | | | | | | |
| 91 | 3.39 | 3.33 | 3.26 | 3.20 | 3.14 | 3.09 | 3.03 | 2.98 | 2.93 | 2.88 | 2.83 | 2.79 | 2.74 | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 3.43 | 3.36 | 3.30 | 3.24 | 3.18 | 3.12 | 3.07 | 3.01 | 2.96 | 2.91 | 2.87 | 2.82 | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 3.46 | 3.40 | 3.33 | 3.27 | 3.21 | 3.16 | 3.10 | 3.05 | 2.99 | 2.95 | 2.90 | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 3.50 | 3.43 | 3.37 | 3.31 | 3.25 | 3.19 | 3.13 | 3.08 | 3.03 | 2.98 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 3.54 | 3.47 | 3.41 | 3.34 | 3.28 | 3.22 | 3.17 | 3.11 | 3.06 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 3.58 | 3.51 | 3.44 | 3.38 | 3.32 | 3.26 | 3.20 | 3.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 3.61 | 3.54 | 3.48 | 3.41 | 3.35 | 3.29 | 3.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 3.65 | 3.58 | 3.51 | 3.45 | 3.39 | 3.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 3.69 | 3.62 | 3.55 | 3.48 | 3.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 3.73 | 3.65 | 3.58 | 3.52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.12 |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.22 | 3.15 |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.33 | 3.26 | 3.19 |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.44 | 3.36 | 3.30 | 3.23 |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.55 | 3.48 | 3.40 | 3.33 | 3.27 |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.67 | 3.59 | 3.52 | 3.44 | 3.37 | 3.31 |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.80 | 3.72 | 3.63 | 3.56 | 3.48 | 3.41 | 3.34 |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.93 | 3.84 | 3.76 | 3.68 | 3.60 | 3.52 | 3.45 | 3.38 |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.07 | 3.98 | 3.89 | 3.80 | 3.72 | 3.64 | 3.56 | 3.49 | 3.42 |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | 4.22 | 4.12 | 4.02 | 3.93 | 3.84 | 3.76 | 3.68 | 3.60 | 3.53 | 3.46 |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | 4.37 | 4.26 | 4.16 | 4.07 | 3.97 | 3.88 | 3.80 | 3.72 | 3.64 | 3.57 | 3.50 |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | 4.53 | 4.42 | 4.31 | 4.21 | 4.11 | 4.02 | 3.93 | 3.84 | 3.76 | 3.68 | 3.61 | 3.53 |
| 94 | | | | | | | | | | | | | | | | | | | | | | | 4.70 | 4.58 | 4.47 | 4.36 | 4.25 | 4.15 | 4.06 | 3.97 | 3.88 | 3.80 | 3.72 | 3.64 | 3.57 |
| 95 | | | | | | | | | | | | | | | | | | | | | | 4.88 | 4.75 | 4.63 | 4.51 | 4.40 | 4.30 | 4.20 | 4.10 | 4.01 | 3.92 | 3.84 | 3.76 | 3.68 | 3.61 |
| 96 | | | | | | | | | | | | | | | | | | | | | 5.07 | 4.93 | 4.80 | 4.68 | 4.56 | 4.45 | 4.34 | 4.24 | 4.15 | 4.05 | 3.97 | 3.88 | 3.80 | 3.72 | 3.65 |
| 97 | | | | | | | | | | | | | | | | | | | | 5.27 | 5.12 | 4.98 | 4.85 | 4.73 | 4.61 | 4.50 | 4.39 | 4.29 | 4.19 | 4.10 | 4.01 | 3.92 | 3.84 | 3.76 | 3.69 |
| 98 | | | | | | | | | | | | | | | | | | | 5.48 | 5.32 | 5.17 | 5.03 | 4.90 | 4.77 | 4.66 | 4.54 | 4.43 | 4.33 | 4.23 | 4.14 | 4.05 | 3.96 | 3.88 | 3.80 | 3.72 |
| 99 | | | | | | | | | | | | | | | | | | 5.70 | 5.53 | 5.37 | 5.23 | 5.08 | 4.95 | 4.82 | 4.70 | 4.59 | 4.48 | 4.37 | 4.28 | 4.18 | 4.09 | 4.00 | 3.92 | 3.84 | 3.76 |
| 100 | | | | | | | | | | | | | | | | | 5.94 | 5.76 | 5.59 | 5.43 | 5.28 | 5.14 | 5.00 | 4.87 | 4.75 | 4.63 | 4.52 | 4.42 | 4.32 | 4.22 | 4.13 | 4.04 | 3.96 | 3.88 | 3.80 |

EXECUTE XMTS

Gear Ratio Chart