

Worms & Wheels

Materials

0.5 MOD, 1.571mm Pitch

STD : Phosphor Bronze PB2
and Steel 214M15 / 655M13



20° Pressure Angle

LEAD ANGLE
RIGHT HAND
STANDARD

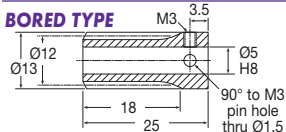
DISCOUNTS

| | List Price |
|-----------|------------|
| 1 - 5 | |
| 6 - 19 | - 12% |
| 20 - 39 | - 25% |
| 40 - 59 | - 33% |
| 60 - 99 | - 37% |
| 100 - 200 | - 42% |

Worm

STEEL 214 M15 - En202

BORED TYPE

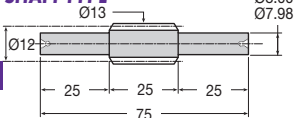


214M15 - EN202 UNHARDENED

| PART NUMBER | PRICE EACH 1-5 | No. of STARTS | LEAD ANGLE | PART NUMBER | PRICE EACH 1-5 |
|-------------|----------------|---------------|------------|-------------|----------------|
| W0.5-1 | £14.67 | 1 | 2°23' | WH0.5-1 | £20.87 |
| W0.5-2 | £15.19 | 2 | 4°45' | WH0.5-2 | £21.65 |
| W0.5-3 | £15.95 | 3 | 7°07' | WH0.5-3 | £22.74 |
| W0.5-4 | £17.25 | 4 | 9°27' | WH0.5-4 | £24.45 |

214M15 - EN202 HARDENED

SHAFT TYPE



214M15 - EN202 UNHARDENED

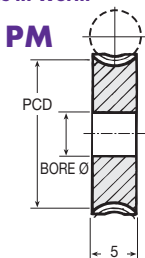
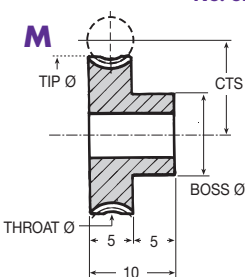
| PART NUMBER | PRICE EACH 1-5 | No. of STARTS | LEAD ANGLE | PART NUMBER | PRICE EACH 1-5 |
|-------------|----------------|---------------|------------|-------------|----------------|
| SW0.5-1 | £28.90 | 1 | 2°23' | SWH0.5-1 | £41.10 |
| SW0.5-2 | £30.18 | 2 | 4°45' | SWH0.5-2 | £42.87 |
| SW0.5-3 | £31.85 | 3 | 7°07' | SWH0.5-3 | £45.25 |
| SW0.5-4 | £33.31 | 4 | 9°27' | SWH0.5-4 | £47.40 |

655M13 - EN36 HARDENED

Wheel

PHOSPHOR BRONZE - PB2

REDUCTION RATIO = No. of Teeth in Wheel
= No. of Starts in Worm



**Double
Bossed
Wheels
Available @
Price x 1.4**

LEAD ANGLE RIGHT HAND STANDARD

Number of Teeth between **12 - 370**
 See **Technical Section**

| TORQUE CHECK variations at back | 50 TEETH x 1000 R.P.M. INPUT | |
|------------------------------------|------------------------------|----------------|
| | WITH STD WORM | WITH HARD WORM |
| TORQUE Nm | 1.01 | 1.86 |
| K.W. | 0.006 | 0.0039 |

Note: When ordering Wheel, the number of starts on the mating Worm must be specified.

| PART NUMBER | TEETH | PCD (mm) | CTS (mm) | Throat Ø (mm) | Tip Ø (mm) | Boss Ø (mm) | Bore Ø (mm) | PRICE EACH 1 - 5 | |
|-------------|-------|----------|----------|---------------|------------|-------------|-------------|------------------|---------|
| | | | | | | | | M | PM |
| M0.5-12 | 12 | 6.00 | 9.00 | 7.00 | 7.50 | 5.00 | 3 | £11.35 | £10.62 |
| M0.5-15 | 15 | 7.50 | 9.75 | 8.50 | 9.00 | 6.50 | 4 | £12.06 | £11.20 |
| M0.5-18 | 18 | 9.00 | 10.50 | 10.00 | 10.50 | 6.50 | 4 | £12.66 | £11.77 |
| M0.5-20 | 20 | 10.00 | 11.00 | 11.00 | 11.50 | 8.50 | 4 | £13.30 | £12.11 |
| M0.5-22 | 22 | 11.00 | 11.50 | 12.00 | 12.50 | 8.50 | 4 | £13.59 | £12.40 |
| M0.5-25 | 25 | 12.50 | 12.25 | 13.50 | 14.00 | 10.00 | 4 | £14.25 | £12.51 |
| M0.5-28 | 28 | 14.00 | 13.00 | 15.00 | 15.50 | 10.00 | 4 | £14.46 | £12.62 |
| M0.5-30 | 30 | 15.00 | 13.50 | 16.00 | 16.50 | 13.00 | 6 | £14.51 | £12.66 |
| M0.5-32 | 32 | 16.00 | 14.00 | 17.00 | 17.50 | 13.00 | 6 | £15.14 | £12.78 |
| M0.5-35 | 35 | 17.50 | 14.75 | 18.50 | 19.00 | 13.00 | 6 | £15.77 | £12.84 |
| M0.5-38 | 38 | 19.00 | 15.50 | 20.00 | 20.50 | 13.00 | 6 | £16.73 | £14.12 |
| M0.5-40 | 40 | 20.00 | 16.00 | 21.00 | 21.50 | 13.00 | 6 | £17.67 | £14.46 |
| M0.5-42 | 42 | 21.00 | 16.50 | 22.00 | 22.50 | 13.00 | 6 | £17.98 | £14.61 |
| M0.5-45 | 45 | 22.50 | 17.25 | 23.50 | 24.00 | 13.00 | 6 | £18.24 | £14.82 |
| M0.5-48 | 48 | 24.00 | 18.00 | 25.00 | 25.50 | 13.00 | 6 | £18.87 | £15.50 |
| M0.5-50 | 50 | 25.00 | 18.50 | 26.00 | 26.50 | 13.00 | 6 | £19.13 | £15.95 |
| M0.5-52 | 52 | 26.00 | 19.00 | 27.00 | 27.50 | 13.00 | 6 | £19.96 | £16.65 |
| M0.5-55 | 55 | 27.50 | 19.75 | 28.50 | 29.00 | 13.00 | 6 | £20.55 | £17.73 |
| M0.5-58 | 58 | 29.00 | 20.50 | 30.00 | 30.50 | 13.00 | 6 | £21.67 | £18.98 |
| M0.5-60 | 60 | 30.00 | 21.00 | 31.00 | 31.50 | 13.00 | 6 | £22.51 | £20.64 |
| M0.5-62 | 62 | 31.00 | 21.50 | 32.00 | 32.50 | 13.00 | 6 | £23.39 | £20.95 |
| M0.5-65 | 65 | 32.50 | 22.25 | 33.50 | 34.00 | 13.00 | 6 | £24.24 | £21.33 |
| M0.5-68 | 68 | 34.00 | 23.00 | 35.00 | 35.50 | 13.00 | 6 | £25.12 | £21.85 |
| M0.5-70 | 70 | 35.00 | 23.50 | 36.00 | 36.50 | 13.00 | 6 | £26.00 | £23.30 |
| M0.5-72 | 72 | 36.00 | 24.00 | 37.00 | 37.50 | 13.00 | 6 | £26.86 | £24.07 |
| M0.5-75 | 75 | 37.50 | 24.75 | 38.50 | 39.00 | 13.00 | 6 | £27.74 | £24.76 |
| M0.5-78 | 78 | 39.00 | 25.50 | 40.00 | 40.50 | 13.00 | 6 | £28.66 | £26.22 |
| M0.5-80 | 80 | 40.00 | 26.00 | 41.00 | 41.50 | 13.00 | 6 | £29.60 | £26.80 |
| M0.5-82 | 82 | 41.00 | 26.50 | 42.00 | 42.50 | 13.00 | 6 | £30.48 | £28.97 |
| M0.5-85 | 85 | 42.50 | 27.25 | 43.50 | 44.00 | 13.00 | 6 | £34.61 | £31.22 |
| M0.5-88 | 88 | 44.00 | 28.00 | 45.00 | 45.50 | 13.00 | 6 | £35.51 | £31.43 |
| M0.5-90 | 90 | 45.00 | 28.50 | 46.00 | 46.50 | 13.00 | 6 | £39.68 | £36.93 |
| M0.5-92 | 92 | 46.00 | 29.00 | 47.00 | 47.50 | 13.00 | 6 | £40.58 | £37.76 |
| M0.5-95 | 95 | 47.50 | 29.75 | 48.50 | 49.00 | 13.00 | 6 | £41.52 | £38.59 |
| M0.5-96 | 96 | 48.00 | 30.00 | 49.00 | 49.50 | 13.00 | 6 | £42.40 | £39.47 |
| M0.5-98 | 98 | 49.00 | 30.50 | 50.00 | 50.50 | 13.00 | 6 | £44.80 | £41.66 |
| M0.5-100 | 100 | 50.00 | 31.00 | 51.00 | 51.50 | 13.00 | 6 | £47.15 | £43.86 |
| M0.5-110 | 110 | 55.00 | 33.50 | 56.00 | 56.50 | 13.00 | 6 | £49.08 | £45.68 |
| M0.5-120 | 120 | 60.00 | 36.00 | 61.00 | 61.50 | 13.00 | 6 | £50.09 | £46.52 |
| M0.5-140 | 140 | 70.00 | 41.00 | 71.00 | 71.50 | 13.00 | 6 | £51.96 | £48.35 |
| M0.5-150 | 150 | 75.00 | 43.50 | 76.00 | 76.50 | 13.00 | 6 | £52.88 | £49.23 |
| M0.5-160 | 160 | 80.00 | 46.00 | 81.00 | 81.50 | 13.00 | 6 | £60.40 | £50.10 |
| M0.5-180 | 180 | 90.00 | 51.00 | 91.00 | 91.50 | 13.00 | 6 | £75.75 | £65.32 |
| M0.5-200 | 200 | 100.00 | 56.00 | 101.00 | 101.50 | 13.00 | 6 | £94.50 | £77.18 |
| M0.5-370 | 370 | 185.00 | 98.50 | 186.00 | 186.50 | 50.00 | 15 | £304.02 | £258.43 |



Worms & Wheels

Materials

0.5 MOD, 1.571mm Pitch

STD : Delrin
Machined Parts



20° Pressure Angle

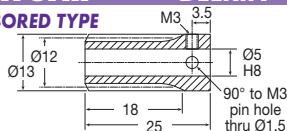
LEAD ANGLE
RIGHT HAND
STANDARD

DISCOUNTS

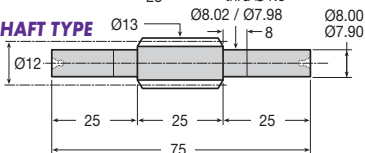
| Quantity | List Price |
|-------------|------------|
| 1 - 5 | List Price |
| 6 - 29 | - 22% |
| 30 - 99 | - 44% |
| 100 - 399 | - 47% |
| 400 - 999 | - 50% |
| 1000 - 5000 | - 53% |

Worm DELRIN - Machined Parts

BORED TYPE



SHAFT TYPE



PLASTIC

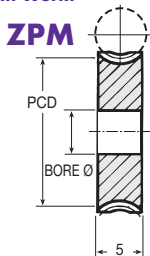
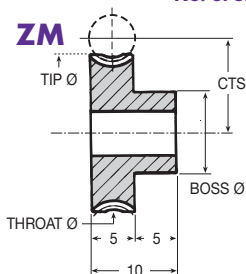
| PART NUMBER | No. of STARTS | LEAD ANGLE | PRICE EACH 1-5 |
|-------------|---------------|------------|----------------|
| ZW0.5-1 | 1 | 2°23' | £10.30 |
| ZW0.5-2 | 2 | 4°45' | £10.76 |
| ZW0.5-3 | 3 | 7°07' | £11.21 |
| ZW0.5-4 | 4 | 9°27' | £12.09 |

PLASTIC

| PART NUMBER | No. of STARTS | LEAD ANGLE | PRICE EACH 1-5 |
|-------------|---------------|------------|----------------|
| ZSW0.5-1 | 1 | 2°23' | £20.37 |
| ZSW0.5-2 | 2 | 4°45' | £21.27 |
| ZSW0.5-3 | 3 | 7°07' | £22.44 |
| ZSW0.5-4 | 4 | 9°27' | £23.55 |

Wheel DELRIN - Machined Parts

REDUCTION RATIO = $\frac{\text{No. of Teeth in Wheel}}{\text{No. of Starts in Worm}}$



Double
Bossed
Wheels
Available @
Price x 1.4

Worms & Wheels Plastic

15.8



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
Telephone +44(0)1246 268080 Fax +44(0)1246 260003

LEAD ANGLE RIGHT HAND STANDARD

| | | |
|------------------------------------|------------------------------|-----------------|
| TORQUE CHECK variations at back | 50 TEETH x 1000 R.P.M. INPUT | |
| | WITH PLASTIC WORM | WITH STEEL WORM |
| TORQUE Nm | 0.25 | 0.65 |
| K.W. | 0.0005 | 0.0014 |

Number of Teeth between **12 - 370**
See Technical Section

Note: When ordering Wheel, the number of starts on the mating Worm must be specified.

| PART NUMBER | TEETH | PCD (mm) | CTS (mm) | Throat Ø (mm) | Tip Ø (mm) | Boss Ø (mm) | Bore Ø (mm) | PRICE EACH 1 - 5 | ZM | ZPM |
|-------------|-------|----------|----------|---------------|------------|-------------|-------------|------------------|---------|-----|
| ZMO.5-12 | 12 | 6.00 | 9.00 | 7.00 | 7.50 | 5.00 | 3 | £5.73 | £4.35 | |
| ZMO.5-15 | 15 | 7.50 | 9.75 | 8.50 | 9.00 | 6.50 | 4 | £6.03 | £4.59 | |
| ZMO.5-18 | 18 | 9.00 | 10.50 | 10.00 | 10.50 | 6.50 | 4 | £6.32 | £4.83 | |
| ZMO.5-20 | 20 | 10.00 | 11.00 | 11.00 | 11.50 | 8.50 | 4 | £6.68 | £5.09 | |
| ZMO.5-22 | 22 | 11.00 | 11.50 | 12.00 | 12.50 | 8.50 | 4 | £6.77 | £5.22 | |
| ZMO.5-25 | 25 | 12.50 | 12.25 | 13.50 | 14.00 | 10.00 | 4 | £7.10 | £5.48 | |
| ZMO.5-28 | 28 | 14.00 | 13.00 | 15.00 | 15.50 | 10.00 | 4 | £7.27 | £5.53 | |
| ZMO.5-30 | 30 | 15.00 | 13.50 | 16.00 | 16.50 | 13.00 | 6 | £7.28 | £5.54 | |
| ZMO.5-32 | 32 | 16.00 | 14.00 | 17.00 | 17.50 | 13.00 | 6 | £7.63 | £5.81 | |
| ZMO.5-35 | 35 | 17.50 | 14.75 | 18.50 | 19.00 | 13.00 | 6 | £7.87 | £6.06 | |
| ZMO.5-38 | 38 | 19.00 | 15.50 | 20.00 | 20.50 | 13.00 | 6 | £8.38 | £6.40 | |
| ZMO.5-40 | 40 | 20.00 | 16.00 | 21.00 | 21.50 | 13.00 | 6 | £8.87 | £6.75 | |
| ZMO.5-42 | 42 | 21.00 | 16.50 | 22.00 | 22.50 | 13.00 | 6 | £8.96 | £6.87 | |
| ZMO.5-45 | 45 | 22.50 | 17.25 | 23.50 | 24.00 | 13.00 | 6 | £9.15 | £7.02 | |
| ZMO.5-48 | 48 | 24.00 | 18.00 | 25.00 | 25.50 | 13.00 | 6 | £9.47 | £7.27 | |
| ZMO.5-50 | 50 | 25.00 | 18.50 | 26.00 | 26.50 | 13.00 | 6 | £9.60 | £7.32 | |
| ZMO.5-52 | 52 | 26.00 | 19.00 | 27.00 | 27.50 | 13.00 | 6 | £10.01 | £7.69 | |
| ZMO.5-55 | 55 | 27.50 | 19.75 | 28.50 | 29.00 | 13.00 | 6 | £10.30 | £7.87 | |
| ZMO.5-58 | 58 | 29.00 | 20.50 | 30.00 | 30.50 | 13.00 | 6 | £10.87 | £8.35 | |
| ZMO.5-60 | 60 | 30.00 | 21.00 | 31.00 | 31.50 | 13.00 | 6 | £12.44 | £9.55 | |
| ZMO.5-62 | 62 | 31.00 | 21.50 | 32.00 | 32.50 | 13.00 | 6 | £12.94 | £9.93 | |
| ZMO.5-65 | 65 | 32.50 | 22.25 | 33.50 | 34.00 | 13.00 | 6 | £13.41 | £10.25 | |
| ZMO.5-68 | 68 | 34.00 | 23.00 | 35.00 | 35.50 | 13.00 | 6 | £13.93 | £10.65 | |
| ZMO.5-70 | 70 | 35.00 | 23.50 | 36.00 | 36.50 | 13.00 | 6 | £14.38 | £10.99 | |
| ZMO.5-72 | 72 | 36.00 | 24.00 | 37.00 | 37.50 | 13.00 | 6 | £14.83 | £11.34 | |
| ZMO.5-75 | 75 | 37.50 | 24.75 | 38.50 | 39.00 | 13.00 | 6 | £15.38 | £11.76 | |
| ZMO.5-78 | 78 | 39.00 | 25.50 | 40.00 | 40.50 | 13.00 | 6 | £15.86 | £12.09 | |
| ZMO.5-80 | 80 | 40.00 | 26.00 | 41.00 | 41.50 | 13.00 | 6 | £18.61 | £14.27 | |
| ZMO.5-82 | 82 | 41.00 | 26.50 | 42.00 | 42.50 | 13.00 | 6 | £19.14 | £14.68 | |
| ZMO.5-85 | 85 | 42.50 | 27.25 | 43.50 | 44.00 | 13.00 | 6 | £21.74 | £16.72 | |
| ZMO.5-88 | 88 | 44.00 | 28.00 | 45.00 | 45.50 | 13.00 | 6 | £22.36 | £17.13 | |
| ZMO.5-90 | 90 | 45.00 | 28.50 | 46.00 | 46.50 | 13.00 | 6 | £24.96 | £19.14 | |
| ZMO.5-92 | 92 | 46.00 | 29.00 | 47.00 | 47.50 | 13.00 | 6 | £25.58 | £19.61 | |
| ZMO.5-95 | 95 | 47.50 | 29.75 | 48.50 | 49.00 | 13.00 | 6 | £26.11 | £19.97 | |
| ZMO.5-96 | 96 | 48.00 | 30.00 | 49.00 | 49.50 | 13.00 | 6 | £26.68 | £20.44 | |
| ZMO.5-98 | 98 | 49.00 | 30.50 | 50.00 | 50.50 | 13.00 | 6 | £28.20 | £21.62 | |
| ZMO.5-100 | 100 | 50.00 | 31.00 | 51.00 | 51.50 | 13.00 | 6 | £29.69 | £22.76 | |
| ZMO.5-110 | 110 | 55.00 | 33.50 | 56.00 | 56.50 | 13.00 | 6 | £30.88 | £23.68 | |
| ZMO.5-120 | 120 | 60.00 | 36.00 | 61.00 | 61.50 | 13.00 | 6 | £31.54 | £24.16 | |
| ZMO.5-140 | 140 | 70.00 | 41.00 | 71.00 | 71.50 | 13.00 | 6 | £32.72 | £25.11 | |
| ZMO.5-150 | 150 | 75.00 | 43.50 | 76.00 | 76.50 | 13.00 | 6 | £33.28 | £25.58 | |
| ZMO.5-160 | 160 | 80.00 | 46.00 | 81.00 | 81.50 | 13.00 | 6 | £38.05 | £29.13 | |
| ZMO.5-180 | 180 | 90.00 | 51.00 | 91.00 | 91.50 | 13.00 | 6 | £47.67 | £36.55 | |
| ZMO.5-200 | 200 | 100.00 | 56.00 | 101.00 | 101.50 | 13.00 | 6 | £59.49 | £45.68 | |
| ZMO.5-370 | 370 | 185.00 | 98.50 | 186.00 | 186.50 | 50.00 | 15 | £184.63 | £156.93 | |

