

Worm and wheel set



Module 0.5 Worm in steel or **machined** plastic

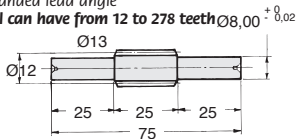


- Pitch 1.571mm
- Machined parts
- Pressure angle 20°
- Right handed lead angle
- Materials:
Worm: Steel 20NCD2 or Delrin plastic
Wheel: bronze CuAl10NiFe4 or Delrin plastic
- Delrin: Working temp. -50°C to +80°C

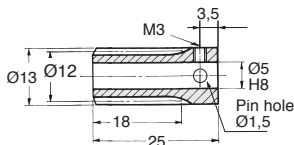


Options

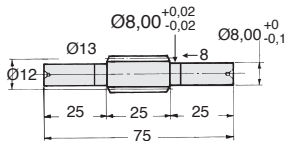
- Left handed lead angle
- Wheel can have from 12 to 278 teeth $\varnothing 8,00^{+0,02}$



Steel worm with shaft (SW)



Steel (W) or plastic (ZW) worm with bore



Plastic worm with shaft (ZSW)

DISCOUNT Steel

| | | | | |
|-------|------|------|------|------------|
| Qty | 1+ | 6+ | 20+ | 50+ |
| Disc. | List | -12% | -25% | On request |

DISCOUNT Delrin

| | | | |
|-------|------|------|------------|
| Qty | 1+ | 6+ | 30+ |
| Disc. | List | -22% | On request |

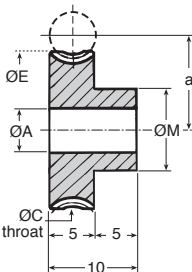
| Part number | | No. of starts | Lead angle | Price each 1 to 5 | |
|---------------------------|-----------------|---------------|------------|-------------------|-----------------|
| Worm with bore | Worm with shaft | | | Worm with bore | Worm with shaft |
| Non hardened steel | | | | | |
| W0.5-1 | SW0.5-1 | 1 | 2°23' | 28,40 € | 55,93 € |
| W0.5-2 | SW0.5-2 | 2 | 4°45' | 29,44 € | 58,42 € |
| W0.5-3 | SW0.5-3 | 3 | 7°07' | 30,93 € | 61,63 € |
| W0.5-4 | SW0.5-4 | 4 | 9°27' | 33,31 € | 64,45 € |
| Hardened steel | | | | | |
| WH0.5-1 | SWH0.5-1 | 1 | 2°23' | 40,37 € | 79,50 € |
| WH0.5-2 | SWH0.5-2 | 2 | 4°45' | 41,86 € | 82,96 € |
| WH0.5-3 | SWH0.5-3 | 3 | 7°07' | 44,00 € | 87,57 € |
| WH0.5-4 | SWH0.5-4 | 4 | 9°27' | 47,30 € | 91,73 € |
| Delrin | | | | | |
| ZW0.5-1 | ZSW0.5-1 | 1 | 2°23' | 19,94 € | 39,47 € |
| ZW0.5-2 | ZSW0.5-2 | 2 | 4°45' | 20,81 € | 41,18 € |
| ZW0.5-3 | ZSW0.5-3 | 3 | 7°07' | 21,75 € | 43,42 € |
| ZW0.5-4 | ZSW0.5-4 | 4 | 9°27' | 23,41 € | 45,57 € |

Dimensions in mm

Wheel in bronze or machined plastic Module 0.5

Info.

- Pitch 1.571mm
- To order, add the number of starts on the worm to the wheel's part number.
E.g: worm **WO.5-1**, wheel **MO.5-20/1**
- The use of a delrin worm with a delrin wheel is only recommended for occasional use. The use of a delrin worm with a steel wheel is preferred.



Torque and power indication
for 50 teeth at 1000 rpm (input)

| WHEEL material | Bronze | Delrin |
|----------------|---------------|---------------|
| WORM material | Nm (kW) | Nm (kW) |
| Steel | 1.01 (0.0060) | 0.65 (0.0040) |
| Hardened steel | 1.86 (0.0039) | - |
| Delrin | - | 0.25 (0.0005) |

DISCOUNT Steel

| Qty | 1+ | 6+ | 20+ | 50+ |
|-------|------|------|------|------------|
| Disc. | List | -12% | -25% | On request |

DISCOUNT Delrin

| Qty | 1+ | 6+ | 30+ |
|-------|------|------|------------|
| Disc. | List | -22% | On request |

| Part number | | Z | Centres | | | | Price each 1 to 5 | | | |
|-------------|-----------|-------|---------|-------|--------|--------|-------------------|----|----------|---------|
| Bronze | Plastic | Teeth | ØP | a | ØC | ØE | ØM | ØA | Bronze | Plastic |
| M0.5-12 | ZM0.5-12 | 12 | 6,00 | 9,00 | 7,00 | 7,50 | 5,00 | 3 | 22,05 € | 11,03 € |
| M0.5-15 | ZM0.5-15 | 15 | 7,50 | 9,75 | 8,50 | 9,00 | 6,50 | 4 | 23,30 € | 11,68 € |
| M0.5-20 | ZM0.5-20 | 20 | 10,00 | 11,00 | 11,00 | 11,50 | 8,50 | 4 | 25,79 € | 12,93 € |
| M0.5-25 | ZM0.5-25 | 25 | 12,50 | 12,25 | 13,50 | 14,00 | 10,00 | 4 | 27,53 € | 13,83 € |
| M0.5-28 | ZM0.5-28 | 28 | 14,00 | 13,00 | 15,00 | 15,50 | 10,00 | 4 | 28,01 € | 14,03 € |
| M0.5-30 | ZM0.5-30 | 30 | 15,00 | 13,50 | 16,00 | 16,50 | 13,00 | 6 | 28,12 € | 14,06 € |
| M0.5-32 | ZM0.5-32 | 32 | 16,00 | 14,00 | 17,00 | 17,50 | 13,00 | 6 | 29,35 € | 14,72 € |
| M0.5-40 | ZM0.5-40 | 40 | 20,00 | 16,00 | 21,00 | 21,50 | 13,00 | 6 | 34,23 € | 17,21 € |
| M0.5-42 | ZM0.5-42 | 42 | 21,00 | 16,50 | 22,00 | 22,50 | 13,00 | 6 | 34,77 € | 17,41 € |
| M0.5-48 | ZM0.5-48 | 48 | 24,00 | 18,00 | 25,00 | 25,50 | 13,00 | 6 | 36,51 € | 18,29 € |
| M0.5-50 | ZM0.5-50 | 50 | 25,00 | 18,50 | 26,00 | 26,50 | 13,00 | 6 | 37,02 € | 18,57 € |
| M0.5-60 | ZM0.5-60 | 60 | 30,00 | 21,00 | 31,00 | 31,50 | 13,00 | 6 | 43,64 € | 24,15 € |
| M0.5-78 | ZM0.5-78 | 78 | 39,00 | 25,50 | 40,00 | 40,50 | 13,00 | 6 | 55,43 € | 30,69 € |
| M0.5-80 | ZM0.5-80 | 80 | 40,00 | 26,00 | 41,00 | 41,50 | 13,00 | 6 | 57,20 € | 36,00 € |
| M0.5-90 | ZM0.5-90 | 90 | 45,00 | 28,50 | 46,00 | 46,50 | 13,00 | 6 | 76,77 € | 48,30 € |
| M0.5-100 | ZM0.5-100 | 100 | 50,00 | 31,00 | 51,00 | 51,50 | 13,00 | 6 | 91,23 € | 57,50 € |
| M0.5-110 | ZM0.5-110 | 110 | 55,00 | 33,50 | 56,00 | 56,50 | 13,00 | 6 | 95,00 € | 59,83 € |
| M0.5-150 | ZM0.5-150 | 150 | 75,00 | 43,50 | 76,00 | 76,50 | 13,00 | 6 | 102,40 € | 64,36 € |
| M0.5-160 | ZM0.5-160 | 160 | 80,00 | 46,00 | 81,00 | 81,50 | 13,00 | 6 | 116,81 € | 73,60 € |
| M0.5-200 | ZM0.5-200 | 200 | 100,00 | 56,00 | 101,00 | 101,50 | 13,00 | 6 | 221,69 € | 80,79 € |

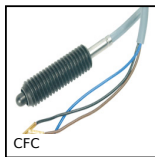
Wheels available up to this size

M0.5-278 ZM0.5-278 278
Dimensions in mm

Dimensions : contact us

On request On request

Our other products



CFC

Spring loaded position switch, Electric contact



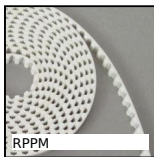
ABL100005

Antistatic brush, Standard



MSP23

Masterplate® glueable insert Ø23, Cylindrical Ø23 with threaded s...



RPPM

RPP type belt per metre, RPP14 Steel cored polyurethane



DOMI50

Domino 50 adjustable slide, Slide DOMILINE 50



WINGbrEcrou

Manually tightened wing nut DIN315, Brass DIN 315



APB_T

Adjusting rod for clamp - Female, Bored



LF

Precision locknut, Precision locknut



SEV

Vertical stirrup toggle clamp, Vertical Latch



RBGpl

Fixed castor with plate, Steel - grey



ACL-FPA

Panel mounting block for aluminium



SLB

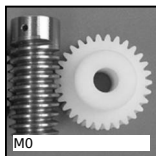
Indexing plunger, stainless steel

Complementary products



MO

Worm and wheel set, Bronze



MO

Worm and wheel set, Machined plastic (delrin)