

Worm and wheel set



Module 4.0 Worm in steel or machined plastic

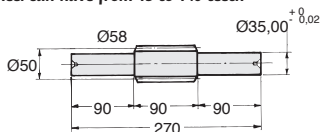
4.0

- Pitch 12.566mm
- 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

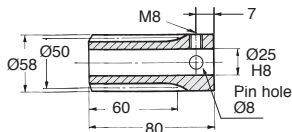


Options

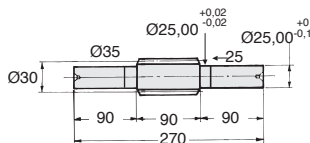
- Left handed lead angle
- **Wheel can have from 15 to 140 teeth**



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

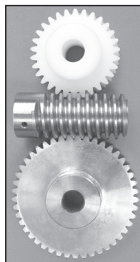
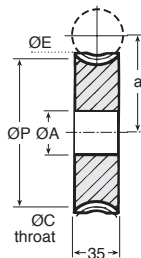
Part number		No. of starts	Lead angle	Price each 1 to 5	
Worm with bore	Worm with shaft			Worm with bore	Worm with shaft
Non hardened steel					
W4-1	SW4-1	1	4°34'	165,37 €	222,41 €
W4-2	SW4-2	2	9°50'	173,81 €	234,11 €
W4-3	SW4-3	3	13°30'	182,83 €	247,20 €
W4-4	SW4-4	4	17°45'	194,23 €	263,83 €
Hardened steel					
WH4-1	SWH4-1	1	4°34'	207,04 €	308,46 €
WH4-2	SWH4-2	2	9°50'	218,48 €	314,40 €
WH4-3	SWH4-3	3	13°30'	225,94 €	326,95 €
WH4-4	SWH4-4	4	17°45'	240,21 €	336,18 €
Delrin					
ZW4-1	ZSW4-1	1	4°34'	112,11 €	157,30 €
ZW4-2	ZSW4-2	2	9°50'	131,97 €	165,25 €
ZW4-3	ZSW4-3	3	13°30'	124,71 €	175,18 €
ZW4-4	ZSW4-4	4	17°45'	132,73 €	184,28 €

Dimensions in mm

Wheel in bronze or machined plastic Module 4.0

Info.

- Pitch 12.566mm
- To order, add the number of starts on the worm to the wheel's part number. E.g: **worm W4-1**, wheel **M4-20/1**
- 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 \ WORM material	Bronze Nm (kW)	Delrin Nm (kW)
Steel	309 (0.647)	61 (0.129)
Hardened steel	417 (0.873)	-
Delrin	-	154 (0.324)

DISCOUNT Bronze

Qty	1+	6+	20+	40+
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	ØA	Bronze	Plastic
PM4-15	ZPM4-15	15	60	55	68	72	25	174,86 €	125,90 €
PM4-20	ZPM4-20	20	80	65	88	92	25	203,53 €	146,50 €
PM4-25	ZPM4-25	25	100	75	108	112	35	568,17 €	207,15 €
PM4-30	ZPM4-30	30	120	85	128	132	35	900,80 €	302,77 €
PM4-40	ZPM4-40	40	160	105	168	172	35	On request	On request
PM4-50	ZPM4-50	50	200	125	208	212	35	On request	On request
PM4-55	ZPM4-55	55	220	135	228	232	35	On request	On request
PM4-60	ZPM4-60	60	240	145	248	252	35	On request	On request

Wheels available up to this size

PM4-140	ZPM-140	140	Dimensions: contact us				On request	On request
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Dimensions in mm

Our other products



CHAsb63

Hinge without pin,
Polymer pin hinge



MRASSeco

Low cost stainless
steel quick link,
Stainless steel



VTLB

Three-lobed knob,
Thermoplastic / Brass
or stainless steel
insert



FB_ECO

Eco. range steel bevel
gear, 4:1



DOG111

Motor-gearbox 12V
and 24V DC, from 1.5
to 6 Nm



CHA_GC_9SS

Stainless steel garnet
hinge, To be welded



GG2

Ground spur gear,
Heat treated steel



SBF

Sealed flange bearing
unit for Food Industry,
cover



H0

Crossed helical gear
crossed axis at 90°,
Steel 20NCD2



BAP25

Plastic clamping
collar, Ø25 - Ø40



SLB

Indexing plunger,
stainless steel



VTA

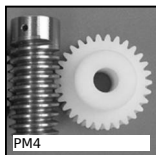
Vari-Tork® slip
friction clutch, 0.53 to
1.32 Nm

Complementary products



PM4

Worm and wheel set,
Bronze



PM4

Worm and wheel set,
Machined plastic
(delrin)



P70

Worm and wheel gear
reducer, up to 164
Nm