Worm and wheel set

StePla

Module 1.0

Worm in steel or machined plastic

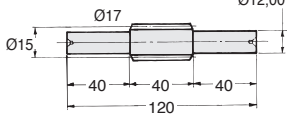
- **Pitch 3.142mm**
- ***Machined parts***
- Pressure angle 20°
- Right handed lead angle
- Materials:
  Worm: Steel 20NCD2 or Delrin plastic
  Wheel: bronze CuAl10NiFe4
  or delrin plastic
- Delrin: Working temp. -50°C to +80°C

bore-size, keyway
MODIFY IT!
tapped hole, pin, etc...

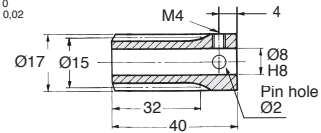


Options

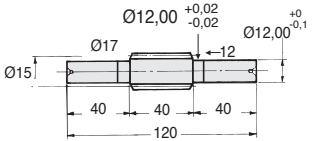
- Left handed lead angle
- ***Wheel can have from 12 to 138 teeth***



Steel worm with shaft (SW)



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



Plastic worm with shaft (ZSW)

DISCOUNT Bronze

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					
W1-1	SW1-1	1	3°48'	37,40 €	69,07 €
W1-2	SW1-2	2	7°35'	39,58 €	70,95 €
W1-3	SW1-3	3	11°18'	43,42 €	75,74 €
W1-4	SW1-4	4	14°56'	45,34 €	76,85 €
Hardened steel					
WH1-1	SWH1-1	1	3°48'	53,29 €	98,15 €
WH1-2	SWH1-2	2	7°35'	56,24 €	100,85 €
WH1-3	SWH1-3	3	11°18'	61,67 €	107,55 €
WH1-4	SWH1-4	4	14°56"	64,45 €	109,17 €
Delrin					
ZW1-1	ZSW1-1	1	3°48'	26,42 €	48,75 €
ZW1-2	ZSW1-2	2	7°35'	27,88 €	50,01 €
ZW1-3	ZSW1-3	3	11°18'	30,62 €	53,38 €
ZW1-4	ZSW1-4	4	14°56'	31,91 €	54,21 €

Dimensions in mm

Brz Pla

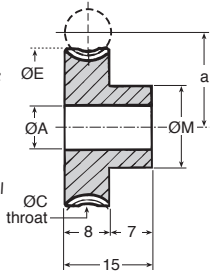
Worm and wheel set

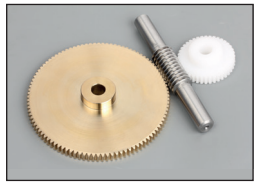
Wheel in bronze or machined plastic

Module 1.0

Info.

- **Pitch 3.142mm**
- To order. add the number of starts on the worm to the wheel's part number. E.g: worm **W1-1.** wheel **M1-20/1**
- 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	**5.87** (0.012)	**3.42** (0.0072)
Hardened steel	**10.06** (0.021)	-
Delrin	-	**1.32** (0.0027)

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 Bronze	Part number Plastic	Z Teeth	ØP	Centres a	ØC	ØE	ØM	ØA	Price each 1 to 5 Bronze	Price each 1 to 5 Plastic
M1-12	ZM1-12	12	12	13,50	14	15	14	6	37,63 €	18,93 €
M1-15	ZM1-15	15	15	15,00	17	18	15	6	38,95 €	19,53 €
M1-18	ZM1-18	18	18	16,50	20	21	15	6	40,58 €	20,33 €
M1-20	ZM1-20	20	20	17,50	22	23	15	6	40,97 €	20,56 €
M1-24	ZM1-24	24	24	19,50	26	27	20	8	43,12 €	21,75 €
M1-25	ZM1-25	25	25	20,00	27	28	20	8	45,04 €	22,57 €
M1-28	ZM1-28	28	28	21,50	30	31	20	8	46,70 €	23,41 €
M1-30	ZM1-30	30	30	22,50	32	33	25	8	48,19 €	26,69 €
M1-32	ZM1-32	32	32	23,50	34	35	25	8	50,66 €	28,10 €
M1-40	ZM1-40	40	40	27,50	42	43	25	8	68,42 €	43,04 €
M1-42	ZM1-42	42	42	28,50	44	45	25	8	69,94 €	44,00 €
M1-48	ZM1-48	48	48	31,50	50	51	25	10	84,82 €	53,38 €
M1-50	ZM1-50	50	50	32,50	52	53	25	10	91,30 €	57,50 €
M1-60	ZM1-60	60	60	37,50	62	63	25	10	100,57 €	63,34 €
M1-78	ZM1-78	78	78	46,50	80	81	25	10	131,21 €	82,64 €
M1-80	ZM1-80	80	80	47,50	82	83	25	10	149,28 €	94,01 €
M1-90	ZM1-90	90	90	52,50	92	93	25	10	185,57 €	116,90 €
M1-100	ZM1-100	100	100	57,50	102	103	25	10	290,99 €	106,08 €
M1-110	ZM1-110	110	110	62,50	112	113	30	10	290,99 €	106,08 €
↓	↓	**Wheels available up to this size**							↓	↓
M1-138	**ZM1-138**	**138**		**Dimensions : contact us**					**On request**	**On request**

Dimensions in mm