

Worms & Wheels

Materials

0.8 MOD, 2.513mm Pitch

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



20° Pressure Angle

**LEAD ANGLE
RIGHT HAND
STANDARD**

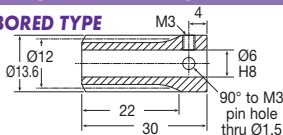
DISCOUNTS

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

Worm

STEEL 214 M15 - En202

BORED TYPE

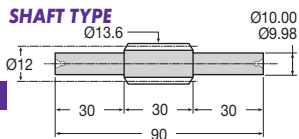


214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	PART NUMBER	PRICE EACH 1-5
W0.8-1	£16.77	1	3°48'	WH0.8-1	£23.87
W0.8-2	£17.51	2	7°35'	WH0.8-2	£24.89
W0.8-3	£19.00	3	11°18'	WH0.8-3	£27.05
W0.8-4	£20.59	4	14°55'	WH0.8-4	£29.27

214M15 - EN202 HARDENED

SHAFT TYPE



214M15 - EN202 UNHARDENED

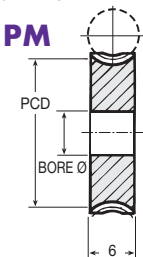
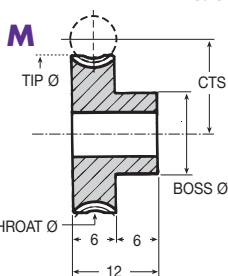
PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	PART NUMBER	PRICE EACH 1-5
SW0.8-1	£28.90	1	3°48'	SWH0.8-1	£41.10
SW0.8-2	£30.41	2	7°35'	SWH0.8-2	£43.21
SW0.8-3	£31.85	3	11°18'	SWH0.8-3	£45.25
SW0.8-4	£33.31	4	14°55'	SWH0.8-4	£47.40

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**

Steel MOD 0.8
Worms & Wheels Bronze &

15.10



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

Number of Teeth between **12 - 230**
 See **Technical Section**

TORQUE CHECK variations at back	50 TEETH x 1000 R.P.M. INPUT	
	WITH STD WORM	WITH HARD WORM
TORQUE Nm	2.82	5.26
K.W.	0.006	0.011

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
M0.8-12	12	9.60	10.80	11.20	12.00	8	5	£12.32	£11.28
M0.8-15	15	12.00	12.00	13.60	14.40	10	5	£13.40	£11.81
M0.8-16	16	12.80	12.40	14.40	15.20	10	5	£14.32	£12.22
M0.8-18	18	14.40	13.20	16.00	16.80	10	5	£15.02	£12.79
M0.8-20	20	16.00	14.00	17.60	18.40	12	5	£15.23	£13.59
M0.8-22	22	17.60	14.80	19.20	20.00	12	5	£16.04	£14.20
M0.8-24	24	19.20	15.60	20.80	21.60	12	5	£16.55	£14.72
M0.8-25	25	20.00	16.00	21.60	22.40	16	8	£17.38	£15.19
M0.8-28	28	22.40	17.20	24.00	24.80	16	8	£18.05	£15.70
M0.8-30	30	24.00	18.00	25.60	26.40	16	8	£18.77	£15.95
M0.8-32	32	25.60	18.80	27.20	28.00	16	8	£19.42	£16.78
M0.8-34	34	27.20	19.60	28.80	29.60	20	8	£20.55	£17.90
M0.8-35	35	28.00	20.00	29.60	30.40	20	8	£21.42	£18.37
M0.8-38	38	30.40	21.20	32.00	32.80	20	8	£22.00	£18.83
M0.8-40	40	32.00	22.00	33.60	34.40	20	8	£23.22	£19.96
M0.8-42	42	33.60	22.80	35.20	36.00	20	8	£24.88	£20.37
M0.8-44	44	35.20	23.60	36.80	37.60	20	8	£26.74	£21.15
M0.8-45	45	36.00	24.00	37.60	38.40	20	8	£27.88	£21.96
M0.8-48	48	38.40	25.20	40.00	40.80	20	8	£28.99	£23.31
M0.8-50	50	40.00	26.00	41.60	42.40	20	8	£31.29	£25.66
M0.8-52	52	41.60	26.80	43.20	44.00	20	8	£32.60	£27.98
M0.8-54	54	43.20	27.60	44.80	45.60	20	8	£34.99	£31.43
M0.8-55	55	44.00	28.00	45.60	46.40	20	8	£38.85	£35.10
M0.8-58	58	46.40	29.20	48.00	48.80	20	8	£44.30	£38.93
M0.8-60	60	48.00	30.00	49.60	50.40	20	8	£47.90	£43.13
M0.8-62	62	49.60	30.80	51.20	52.00	20	8	£48.76	£43.62
M0.8-64	64	51.20	31.60	52.80	53.60	20	8	£49.49	£44.62
M0.8-65	65	52.00	32.00	53.60	54.40	20	8	£49.65	£44.68
M0.8-68	68	54.40	33.20	56.00	56.80	20	8	£49.82	£44.88
M0.8-70	70	56.00	34.00	57.60	58.40	20	8	£49.97	£45.02
M0.8-72	72	57.60	34.80	59.20	60.00	20	8	£50.57	£45.47
M0.8-75	75	60.00	36.00	61.60	62.40	20	8	£51.03	£45.90
M0.8-78	78	62.40	37.20	64.00	64.80	20	8	£51.46	£46.27
M0.8-80	80	64.00	38.00	65.60	66.40	20	8	£51.96	£46.74
M0.8-82	82	65.60	38.80	67.20	68.00	20	8	£53.67	£48.34
M0.8-85	85	68.00	40.00	69.60	70.40	20	8	£55.47	£49.87
M0.8-88	88	70.40	41.20	72.00	72.80	20	8	£57.23	£51.46
M0.8-90	90	72.00	42.00	73.60	74.40	20	8	£59.16	£53.20
M0.8-94	94	75.20	43.60	76.80	77.60	20	8	£61.19	£55.04
M0.8-96	96	76.80	44.40	78.40	79.20	20	8	£63.12	£56.82
M0.8-100	100	80.00	46.00	81.60	82.40	20	8	£64.94	£60.40
M0.8-110	110	88.00	50.00	89.60	90.40	20	8	£79.95	£67.74
M0.8-120	120	96.00	54.00	97.60	98.40	20	8	£95.64	£79.54
M0.8-150	150	120.00	66.00	121.60	122.40	20	8	£142.53	£99.72
M0.8-230	230	184.00	98.00	185.60	186.40	50	15	£327.57	£278.38



Worms & Wheels

0.8 MOD, 2.513mm Pitch

Materials

STD : Delrin
Machined Parts



20° Pressure Angle

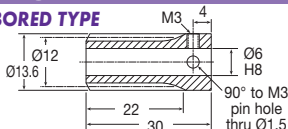
**LEAD ANGLE
RIGHT HAND
STANDARD**

DISCOUNTS

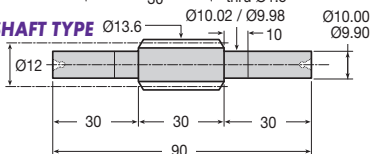
1 - 5	List Price
6 - 29	- 22%
30 - 99	- 44%
100 - 399	- 47%
400 - 999	- 50%
1000 - 5000	- 53%

Worm DELRIN - Machined Parts

BORED TYPE



SHAFT TYPE



PLASTIC

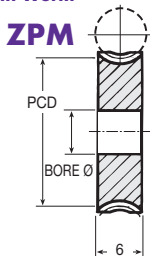
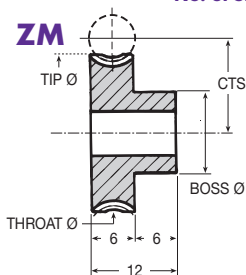
PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZW0.8-1	1	3°48'	£11.81
ZW0.8-2	2	7°35'	£12.32
ZW0.8-3	3	11°18'	£13.37
ZW0.8-4	4	14°55'	£14.46

PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZSW0.8-1	1	3°48'	£20.35
ZSW0.8-2	2	7°35'	£21.37
ZSW0.8-3	3	11°18'	£22.38
ZSW0.8-4	4	14°55'	£23.45

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**

MOD 0.8

Worms & Wheels Plastic

15.12



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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	0.7	1.84
K.W.	0.0015	0.0039

Number of Teeth between **12 - 230**
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
ZM0.8-12	12	9.60	10.80	11.20	12.00	8	5	£6.15	£4.73	
ZM0.8-15	15	12.00	12.00	13.60	14.40	10	5	£6.70	£5.09	
ZM0.8-16	16	12.80	12.40	14.40	15.20	10	5	£7.14	£5.48	
ZM0.8-18	18	14.40	13.20	16.00	16.80	10	5	£7.49	£5.76	
ZM0.8-20	20	16.00	14.00	17.60	18.40	12	5	£7.64	£5.83	
ZM0.8-22	22	17.60	14.80	19.20	20.00	12	5	£8.02	£6.08	
ZM0.8-24	24	19.20	15.60	20.80	21.60	12	5	£8.26	£6.32	
ZM0.8-25	25	20.00	16.00	21.60	22.40	16	8	£8.73	£6.68	
ZM0.8-28	28	22.40	17.20	24.00	24.80	16	8	£9.04	£6.95	
ZM0.8-30	30	24.00	18.00	25.60	26.40	16	8	£9.40	£7.27	
ZM0.8-32	32	25.60	18.80	27.20	28.00	16	8	£9.76	£7.45	
ZM0.8-34	34	27.20	19.60	28.80	29.60	20	8	£10.30	£7.87	
ZM0.8-35	35	28.00	20.00	29.60	30.40	20	8	£10.76	£8.20	
ZM0.8-38	38	30.40	21.20	32.00	32.80	20	8	£12.16	£9.30	
ZM0.8-40	40	32.00	22.00	33.60	34.40	20	8	£12.83	£9.82	
ZM0.8-42	42	33.60	22.80	35.20	36.00	20	8	£13.75	£10.54	
ZM0.8-44	44	35.20	23.60	36.80	37.60	20	8	£14.76	£11.29	
ZM0.8-45	45	36.00	24.00	37.60	38.40	20	8	£15.40	£11.84	
ZM0.8-48	48	38.40	25.20	40.00	40.80	20	8	£15.98	£12.24	
ZM0.8-50	50	40.00	26.00	41.60	42.40	20	8	£19.69	£15.11	
ZM0.8-52	52	41.60	26.80	43.20	44.00	20	8	£20.55	£15.71	
ZM0.8-54	54	43.20	27.60	44.80	45.60	20	8	£22.01	£16.85	
ZM0.8-55	55	44.00	28.00	45.60	46.40	20	8	£24.45	£18.74	
ZM0.8-58	58	46.40	29.20	48.00	48.80	20	8	£27.91	£21.37	
ZM0.8-60	60	48.00	30.00	49.60	50.40	20	8	£30.13	£23.10	
ZM0.8-62	62	49.60	30.80	51.20	52.00	20	8	£30.72	£23.49	
ZM0.8-64	64	51.20	31.60	52.80	53.60	20	8	£31.16	£23.89	
ZM0.8-65	65	52.00	32.00	53.60	54.40	20	8	£31.29	£23.92	
ZM0.8-68	68	54.40	33.20	56.00	56.80	20	8	£31.34	£24.07	
ZM0.8-70	70	56.00	34.00	57.60	58.40	20	8	£31.47	£24.10	
ZM0.8-72	72	57.60	34.80	59.20	60.00	20	8	£31.82	£24.40	
ZM0.8-75	75	60.00	36.00	61.60	62.40	20	8	£32.14	£24.66	
ZM0.8-78	78	62.40	37.20	64.00	64.80	20	8	£32.40	£24.81	
ZM0.8-80	80	64.00	38.00	65.60	66.40	20	8	£32.72	£25.11	
ZM0.8-82	82	65.60	38.80	67.20	68.00	20	8	£33.78	£25.93	
ZM0.8-85	85	68.00	40.00	69.60	70.40	20	8	£34.93	£26.71	
ZM0.8-88	88	70.40	41.20	72.00	72.80	20	8	£36.00	£27.62	
ZM0.8-90	90	72.00	42.00	73.60	74.40	20	8	£37.29	£28.58	
ZM0.8-94	94	75.20	43.60	76.80	77.60	20	8	£38.55	£29.54	
ZM0.8-96	96	76.80	44.40	78.40	79.20	20	8	£39.74	£30.50	
ZM0.8-100	100	80.00	46.00	81.60	82.40	20	8	£40.88	£31.34	
ZM0.8-110	110	88.00	50.00	89.60	90.40	20	8	£50.36	£38.65	
ZM0.8-120	120	96.00	54.00	97.60	98.40	20	8	£60.21	£46.21	
ZM0.8-150	150	120.00	66.00	121.60	122.40	20	8	£89.78	£68.86	
ZM0.8-230	230	184.00	98.00	185.60	186.40	50	15	£197.64	£167.98	

