

Worms & Wheels

Materials

0.4 MOD, 1.257mm Pitch

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



LEAD ANGLE
RIGHT HAND
STANDARD

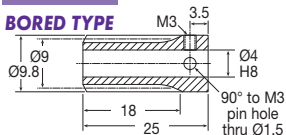
20° Pressure Angle

DISCOUNTS

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

Worm

BORED TYPE



214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	PART NUMBER	PRICE EACH 1-5
W0.4-1	£15.02	1	2° 32'	WH0.4-1	£20.87
W0.4-2	£15.19	2	5° 04'	WH0.4-2	£21.65
W0.4-3	£15.95	3	7° 35'	WH0.4-3	£22.38
W0.4-4	£17.25	4	10° 04'	WH0.4-4	£24.45

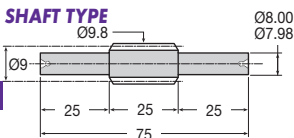
214M15 - EN202 HARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	PART NUMBER	PRICE EACH 1-5
SW0.4-1	£27.42	1	2° 32'	SWH0.4-1	£39.04
SW0.4-2	£29.37	2	5° 04'	SWH0.4-2	£41.79
SW0.4-3	£31.06	3	7° 35'	SWH0.4-3	£44.12
SW0.4-4	£32.02	4	10° 04'	SWH0.4-4	£45.52

214M15 - EN202 UNHARDENED

655M13 - EN36 HARDENED

SHAFT TYPE



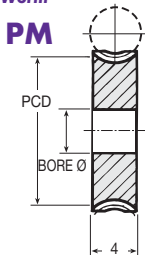
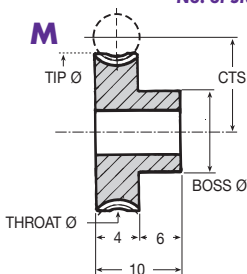
MOD 0.4

Worms & Wheels Bronze & Steel

Wheel

PHOSPHOR BRONZE - PB2

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



Double
Bossed
Wheels
Available @
Price x 1.4

15.2



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 **20 - 460**
 See **Technical Section**

TORQUE CHECK variations at back	50 TEETH x 1000 R.P.M. INPUT	
	WITH STD WORM	WITH HARD WORM
TORQUE Nm	0.57	1.0
K.W.	0.0012	0.0021

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
MO.4-20	20	8.00	8.50	8.80	9.20	8.80	3	£12.32	£10.95
MO.4-24	24	9.60	9.30	10.40	10.80	10.40	3	£12.65	£11.30
MO.4-25	25	10.00	9.50	10.80	11.20	10.40	3	£12.93	£11.66
MO.4-26	26	10.40	9.70	11.20	11.60	10.40	3	£13.19	£12.06
MO.4-28	28	11.20	10.10	12.00	12.40	10.40	3	£13.48	£12.39
MO.4-30	30	12.00	10.50	12.80	13.20	8.00	3	£13.77	£12.75
MO.4-34	34	13.60	11.30	14.40	14.80	8.00	3	£14.06	£13.09
MO.4-35	35	14.00	11.50	14.80	15.20	8.00	3	£14.36	£13.46
MO.4-36	36	14.40	11.70	15.20	15.60	8.00	3	£14.67	£13.82
MO.4-38	38	15.20	12.10	16.00	16.40	8.00	3	£14.96	£14.15
MO.4-40	40	16.00	12.50	16.80	17.20	12.00	4	£15.18	£14.38
MO.4-44	44	17.60	13.30	18.40	18.80	12.00	4	£15.33	£14.50
MO.4-45	45	18.00	13.50	18.80	19.20	12.00	4	£15.36	£14.63
MO.4-46	46	18.40	13.70	19.20	19.60	12.00	4	£15.37	£14.68
MO.4-48	48	19.20	14.10	20.00	20.40	12.00	4	£15.39	£14.77
MO.4-50	50	20.00	14.50	20.80	21.20	12.00	4	£15.41	£14.90
MO.4-52	52	20.80	14.90	21.60	22.00	12.00	4	£15.49	£14.97
MO.4-54	54	21.60	15.30	22.40	22.80	12.00	4	£15.65	£15.07
MO.4-56	56	22.40	15.70	23.20	23.60	12.00	4	£15.74	£15.18
MO.4-58	58	23.20	16.10	24.00	24.40	12.00	4	£15.86	£15.33
MO.4-60	60	24.00	16.50	24.80	25.20	12.00	4	£15.95	£15.39
MO.4-62	62	24.80	16.90	25.60	26.00	12.00	4	£16.15	£15.47
MO.4-64	64	25.60	17.30	26.40	26.80	12.00	4	£16.32	£15.55
MO.4-68	68	27.20	18.10	28.00	28.40	12.00	4	£16.45	£15.65
MO.4-70	70	28.00	18.50	28.80	29.20	12.00	4	£16.55	£15.77
MO.4-72	72	28.80	18.90	29.60	30.00	12.00	5	£16.65	£15.83
MO.4-75	75	30.00	19.50	30.80	31.20	12.00	5	£16.73	£16.04
MO.4-76	76	30.40	19.70	31.20	31.60	12.00	5	£16.92	£16.22
MO.4-80	80	32.00	20.50	32.80	33.20	12.00	5	£16.99	£16.44
MO.4-84	84	33.60	21.30	34.40	34.80	12.00	5	£17.62	£16.60
MO.4-85	85	34.00	21.50	34.80	35.20	12.00	5	£18.18	£16.78
MO.4-86	86	34.40	21.70	35.20	35.60	12.00	5	£18.77	£16.98
MO.4-90	90	36.00	22.50	36.80	37.20	12.00	5	£19.36	£17.24
MO.4-92	92	36.80	22.90	37.60	38.00	12.00	5	£19.96	£17.37
MO.4-94	94	37.60	23.30	38.40	38.80	12.00	5	£20.56	£17.59
MO.4-96	96	38.40	23.70	39.20	39.60	12.00	5	£21.10	£17.80
MO.4-100	100	40.00	24.50	40.80	41.20	12.00	5	£21.68	£17.87
MO.4-110	110	44.00	26.50	44.80	45.20	12.00	5	£22.05	£19.07
MO.4-120	120	48.00	28.50	48.80	49.20	12.00	5	£24.45	£20.31
MO.4-130	130	52.00	30.50	52.80	53.20	12.00	5	£28.13	£21.58
MO.4-140	140	56.00	32.50	56.80	57.20	12.00	5	£32.02	£26.04
MO.4-150	150	60.00	34.50	60.80	61.20	20.00	5	£36.19	£30.50
MO.4-200	200	80.00	44.50	80.80	81.20	20.00	6	£60.54	£47.90
MO.4-300	300	120.00	64.50	120.80	121.20	20.00	6	£128.23	£85.45
MO.4-460	460	184.00	96.50	184.80	185.20	40.00	10	£267.50	£227.36

Worms & Wheels Bronze & Steel

MOD 0.4



Worms & Wheels

Materials

0.4 MOD, 1.257mm Pitch

STD : Delrin
Machined Parts



20° Pressure Angle

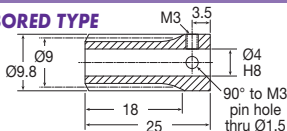
LEAD ANGLE
RIGHT HAND
STANDARD

DISCOUNTS

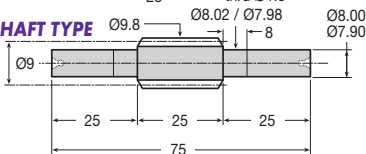
	List Price
1 - 5	- 22%
6 - 29	- 44%
30 - 99	- 47%
100 - 399	- 50%
400 - 999	- 53%
1000 - 5000	- 53%

Worm DELRIN - Machined Parts

BORED TYPE



SHAFT TYPE



PLASTIC

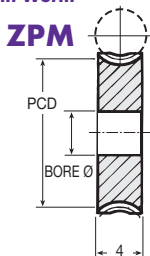
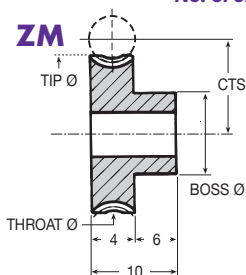
PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZW0.4-1	1	2° 32'	£10.30
ZW0.4-2	2	5° 04'	£10.76
ZW0.4-3	3	7° 35'	£11.21
ZW0.4-4	4	10° 04'	£12.09

PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZSW0.4-1	1	2° 32'	£19.39
ZSW0.4-2	2	5° 04'	£20.70
ZSW0.4-3	3	7° 35'	£21.92
ZSW0.4-4	4	10° 04'	£22.66

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 Plastoc

15.4



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	0.14	0.36
K.W.	0.0003	0.00075

Number of Teeth between **20 - 460**
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.4-20	20	8.00	8.50	8.80	9.20	8.80	3	£6.15	£4.73	
ZMO.4-24	24	9.60	9.30	10.40	10.80	10.40	3	£6.32	£4.79	
ZMO.4-25	25	10.00	9.50	10.80	11.20	10.40	3	£6.44	£4.97	
ZMO.4-26	26	10.40	9.70	11.20	11.60	10.40	3	£6.65	£5.06	
ZMO.4-28	28	11.20	10.10	12.00	12.40	10.40	3	£6.75	£5.12	
ZMO.4-30	30	12.00	10.50	12.80	13.20	8.00	3	£6.87	£5.25	
ZMO.4-34	34	13.60	11.30	14.40	14.80	8.00	3	£7.04	£5.46	
ZMO.4-35	35	14.00	11.50	14.80	15.20	8.00	3	£7.27	£5.50	
ZMO.4-36	36	14.40	11.70	15.20	15.60	8.00	3	£7.32	£5.58	
ZMO.4-38	38	15.20	12.10	16.00	16.40	8.00	3	£7.45	£5.73	
ZMO.4-40	40	16.00	12.50	16.80	17.20	12.00	4	£7.63	£5.81	
ZMO.4-44	44	17.60	13.30	18.40	18.80	12.00	4	£7.69	£5.83	
ZMO.4-45	45	18.00	13.50	18.80	19.20	12.00	4	£7.73	£5.90	
ZMO.4-46	46	18.40	13.70	19.20	19.60	12.00	4	£7.74	£5.91	
ZMO.4-48	48	19.20	14.10	20.00	20.40	12.00	4	£7.75	£5.95	
ZMO.4-50	50	20.00	14.50	20.80	21.20	12.00	4	£7.82	£6.03	
ZMO.4-52	52	20.80	14.90	21.60	22.00	12.00	4	£7.87	£6.06	
ZMO.4-54	54	21.60	15.30	22.40	22.80	12.00	4	£7.90	£6.07	
ZMO.4-56	56	22.40	15.70	23.20	23.60	12.00	4	£7.99	£6.08	
ZMO.4-58	58	23.20	16.10	24.00	24.40	12.00	4	£8.02	£6.15	
ZMO.4-60	60	24.00	16.50	24.80	25.20	12.00	4	£8.10	£6.16	
ZMO.4-62	62	24.80	16.90	25.60	26.00	12.00	4	£8.12	£6.20	
ZMO.4-64	64	25.60	17.30	26.40	26.80	12.00	4	£8.18	£6.30	
ZMO.4-68	68	27.20	18.10	28.00	28.40	12.00	4	£8.20	£6.31	
ZMO.4-70	70	28.00	18.50	28.80	29.20	12.00	4	£8.26	£6.32	
ZMO.4-72	72	28.80	18.90	29.60	30.00	12.00	5	£8.35	£6.38	
ZMO.4-75	75	30.00	19.50	30.80	31.20	12.00	5	£9.22	£7.04	
ZMO.4-76	76	30.40	19.70	31.20	31.60	12.00	5	£9.32	£7.10	
ZMO.4-80	80	32.00	20.50	32.80	33.20	12.00	5	£9.40	£7.14	
ZMO.4-84	84	33.60	21.30	34.40	34.80	12.00	5	£9.76	£7.40	
ZMO.4-85	85	34.00	21.50	34.80	35.20	12.00	5	£10.04	£7.69	
ZMO.4-86	86	34.40	21.70	35.20	35.60	12.00	5	£10.36	£7.90	
ZMO.4-90	90	36.00	22.50	36.80	37.20	12.00	5	£10.70	£8.18	
ZMO.4-92	92	36.80	22.90	37.60	38.00	12.00	5	£10.87	£8.45	
ZMO.4-94	94	37.60	23.30	38.40	38.80	12.00	5	£11.12	£8.67	
ZMO.4-96	96	38.40	23.70	39.20	39.60	12.00	5	£11.34	£9.47	
ZMO.4-100	100	40.00	24.50	40.80	41.20	12.00	5	£11.58	£10.30	
ZMO.4-110	110	44.00	26.50	44.80	45.20	12.00	5	£12.44	£10.79	
ZMO.4-120	120	48.00	28.50	48.80	49.20	12.00	5	£13.41	£11.12	
ZMO.4-130	130	52.00	30.50	52.80	53.20	12.00	5	£14.66	£11.73	
ZMO.4-140	140	56.00	32.50	56.80	57.20	12.00	5	£16.13	£12.34	
ZMO.4-150	150	60.00	34.50	60.80	61.20	20.00	5	£18.17	£13.95	
ZMO.4-200	200	80.00	44.50	80.80	81.20	20.00	6	£30.46	£23.37	
ZMO.4-300	300	120.00	64.50	120.80	121.20	20.00	6	£64.58	£49.22	
ZMO.4-460	460	184.00	96.50	184.80	185.20	40.00	10	£176.56	£150.06	

