

Worms & Wheels

Materials

1.5 MOD, 4.712mm Pitch

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



20° Pressure Angle

LEAD ANGLE
RIGHT HAND
STANDARD

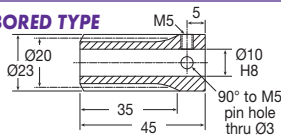
DISCOUNTS

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

Worm

STEEL 214 M15 - En202

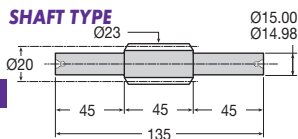
BORED TYPE



214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	214M15 - EN202 HARDENED	PRICE EACH 1-5
W1.5-1	£22.42	1	4°17'	WH1.5-1	£31.85
W1.5-2	£26.01	2	8°31'	WH1.5-2	£36.97
W1.5-3	£27.32	3	12°40'	WH1.5-3	£38.82
W1.5-4	£29.62	4	16°42'	WH1.5-4	£42.05

SHAFT TYPE



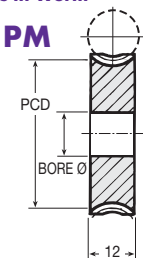
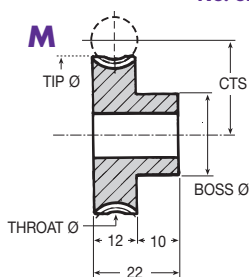
214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	655M13 - EN36 HARDENED	PRICE EACH 1-5
SW1.5-1	£41.97	1	4°17'	SWH1.5-1	£59.64
SW1.5-2	£44.26	2	8°31'	SWH1.5-2	£62.82
SW1.5-3	£45.58	3	12°40'	SWH1.5-3	£64.72
SW1.5-4	£46.12	4	16°42'	SWH1.5-4	£65.49

Wheel

PHOSPHOR BRONZE - PB2

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



Double
Bossed
Wheels
Available @
Price x 1.4

15.22



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
Telephone +44(0)1246 268080 Fax +44(0)1246 260003

Worms & Wheels Bronze & Steel MOD 1.5

Wheels - PHOSPHOR BRONZE PB2**1.5 MOD****LEAD ANGLE RIGHT HAND STANDARD****Number of Teeth between 12 - 120**
See Technical Section

TORQUE CHECK variations at back	50 TEETH x 1000 R.P.M. INPUT	
	WITH STD WORM	WITH HARD WORM
TORQUE Nm	16.80	30.00
K.W.	0.035	0.063

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
M1.5-12	12	18.00	19.00	21.00	22.50	15	8	£23.31	£15.33
M1.5-14	14	21.00	20.50	24.00	25.50	15	8	£24.73	£16.12
M1.5-15	15	22.50	21.25	25.50	27.00	18	8	£28.78	£17.27
M1.5-16	16	24.00	22.00	27.00	28.50	18	8	£29.75	£17.87
M1.5-18	18	27.00	23.50	30.00	31.50	18	8	£30.76	£18.43
M1.5-20	20	30.00	25.00	33.00	34.50	20	10	£31.73	£19.00
M1.5-22	22	33.00	26.50	36.00	37.50	20	10	£32.72	£19.61
M1.5-24	24	36.00	28.00	39.00	40.50	20	10	£33.85	£20.20
M1.5-25	25	37.50	28.75	40.50	42.00	25	10	£34.84	£20.88
M1.5-28	28	42.00	31.00	45.00	46.50	25	10	£36.60	£21.96
M1.5-30	30	45.00	32.50	48.00	49.50	30	15	£38.35	£22.99
M1.5-32	32	48.00	34.00	51.00	52.50	30	15	£39.64	£26.90
M1.5-34	34	51.00	35.50	54.00	55.50	30	15	£44.26	£30.81
M1.5-35	35	52.50	36.25	55.50	57.00	30	15	£47.70	£31.77
M1.5-38	38	57.00	38.50	60.00	61.50	30	15	£54.07	£36.69
M1.5-40	40	60.00	40.00	63.00	64.50	30	15	£59.42	£40.51
M1.5-42	42	63.00	41.50	66.00	67.50	30	15	£65.73	£43.77
M1.5-44	44	66.00	43.00	69.00	70.50	30	15	£71.43	£47.59
M1.5-45	45	67.50	43.75	70.50	72.00	30	15	£74.33	£49.51
M1.5-48	48	72.00	46.00	75.00	76.50	30	15	£83.49	£55.55
M1.5-50	50	75.00	47.50	78.00	79.50	30	15	£89.84	£59.85
M1.5-52	52	78.00	49.00	81.00	82.50	30	15	£96.47	£64.27
M1.5-54	54	81.00	50.50	84.00	85.50	30	15	£103.32	£68.84
M1.5-55	55	82.50	51.25	85.50	87.00	30	15	£106.86	£71.19
M1.5-58	58	87.00	53.50	90.00	91.50	30	15	£117.68	£78.47
M1.5-60	60	90.00	55.00	93.00	94.50	30	15	£125.31	£82.58
M1.5-62	62	93.00	56.50	96.00	97.50	30	15	£133.03	£88.71
M1.5-64	64	96.00	58.00	99.00	100.50	30	15	£142.73	£94.02
M1.5-65	65	97.50	58.75	100.50	102.00	30	15	£145.24	£96.78
M1.5-68	68	102.00	61.00	105.00	106.50	30	15	£157.91	£105.16
M1.5-70	70	105.00	62.50	108.00	109.50	30	15	£166.63	£111.04
M1.5-72	72	108.00	64.00	111.00	112.50	30	15	£175.59	£117.00
M1.5-74	74	111.00	65.50	114.00	115.50	30	15	£184.79	£123.14
M1.5-75	75	112.50	66.25	115.50	117.00	30	15	£189.44	£126.29
M1.5-78	78	117.00	68.50	120.00	121.50	30	15	£203.91	£135.92
M1.5-80	80	120.00	70.00	123.00	124.50	30	15	£213.80	£142.53
M1.5-82	82	123.00	71.50	126.00	127.50	30	15	£223.93	£149.27
M1.5-85	85	127.50	73.75	130.50	132.00	30	15	£239.54	£159.71
M1.5-88	88	132.00	76.00	135.00	136.50	30	15	£255.81	£170.48
M1.5-90	90	135.00	77.50	138.00	139.50	30	15	£266.73	£177.91
M1.5-92	92	138.00	79.00	141.00	142.50	30	15	£278.19	£185.51
M1.5-95	95	142.50	81.25	145.50	147.00	30	15	£295.61	£197.04
M1.5-98	98	147.00	83.50	150.00	151.50	30	15	£313.56	£209.01
M1.5-100	100	150.00	85.00	153.00	154.50	30	15	£325.80	£216.39
M1.5-120	120	180.00	100.00	183.00	184.50	50	15	£433.36	£368.34

Worms & Wheels Bronze & Steel**MOD 1.5**

Worms & Wheels

Materials

1.5 MOD, 4.712mm Pitch

STD : Delrin
Machined Parts



20° Pressure Angle

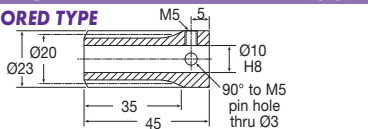
**LEAD ANGLE
RIGHT HAND
STANDARD**

DISCOUNTS

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

Worm DELRIN - Machined Parts

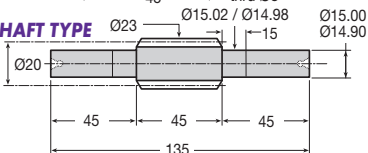
BORED TYPE



PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZW1.5-1	1	4°17'	£15.76
ZW1.5-2	2	8°31'	£18.25
ZW1.5-3	3	12°40'	£19.20
ZW1.5-4	4	16°42'	£20.82

SHAFT TYPE

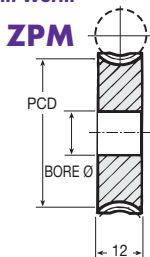
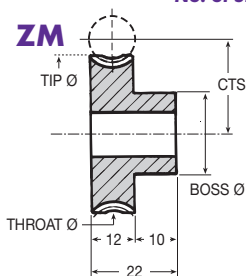


PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZSW1.5-1	1	4°17'	£29.67
ZSW1.5-2	2	8°31'	£31.21
ZSW1.5-3	3	12°40'	£32.15
ZSW1.5-4	4	16°42'	£32.55

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 1.5

Worms & Wheels Plastic

15.24



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	3.97	10.05
K.W.	0.008	0.021

Number of Teeth between **12 - 120**
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
ZM1.5-12	12	18.00	19.00	21.00	22.50	15	8	£11.73		£8.96
ZM1.5-14	14	21.00	20.50	24.00	25.50	15	8	£12.42		£9.48
ZM1.5-15	15	22.50	21.25	25.50	27.00	18	8	£14.43		£11.03
ZM1.5-16	16	24.00	22.00	27.00	28.50	18	8	£14.97		£11.49
ZM1.5-18	18	27.00	23.50	30.00	31.50	18	8	£15.47		£11.84
ZM1.5-20	20	30.00	25.00	33.00	34.50	20	10	£17.52		£13.41
ZM1.5-22	22	33.00	26.50	36.00	37.50	20	10	£18.13		£13.93
ZM1.5-24	24	36.00	28.00	39.00	40.50	20	10	£18.68		£14.35
ZM1.5-25	25	37.50	28.75	40.50	42.00	25	10	£19.33		£14.74
ZM1.5-28	28	42.00	31.00	45.00	46.50	25	10	£23.04		£17.63
ZM1.5-30	30	45.00	32.50	48.00	49.50	30	15	£24.16		£18.48
ZM1.5-32	32	48.00	34.00	51.00	52.50	30	15	£24.96		£19.14
ZM1.5-34	34	51.00	35.50	54.00	55.50	30	15	£27.86		£21.32
ZM1.5-35	35	52.50	36.25	55.50	57.00	30	15	£30.01		£22.01
ZM1.5-38	38	57.00	38.50	60.00	61.50	30	15	£33.99		£26.11
ZM1.5-40	40	60.00	40.00	63.00	64.50	30	15	£37.44		£28.68
ZM1.5-42	42	63.00	41.50	66.00	67.50	30	15	£41.36		£31.70
ZM1.5-44	44	66.00	43.00	69.00	70.50	30	15	£44.97		£34.51
ZM1.5-45	45	67.50	43.75	70.50	72.00	30	15	£46.82		£35.92
ZM1.5-48	48	72.00	46.00	75.00	76.50	30	15	£52.59		£40.28
ZM1.5-50	50	75.00	47.50	78.00	79.50	30	15	£56.58		£43.38
ZM1.5-52	52	78.00	49.00	81.00	82.50	30	15	£60.79		£46.61
ZM1.5-54	54	81.00	50.50	84.00	85.50	30	15	£65.04		£49.93
ZM1.5-55	55	82.50	51.25	85.50	87.00	30	15	£67.30		£51.63
ZM1.5-58	58	87.00	53.50	90.00	91.50	30	15	£74.14		£56.90
ZM1.5-60	60	90.00	55.00	93.00	94.50	30	15	£78.92		£60.55
ZM1.5-62	62	93.00	56.50	96.00	97.50	30	15	£83.81		£64.30
ZM1.5-64	64	96.00	58.00	99.00	100.50	30	15	£89.94		£68.95
ZM1.5-65	65	97.50	58.75	100.50	102.00	30	15	£91.49		£70.15
ZM1.5-68	68	102.00	61.00	105.00	106.50	30	15	£99.49		£76.32
ZM1.5-70	70	105.00	62.50	108.00	109.50	30	15	£104.99		£80.51
ZM1.5-72	72	108.00	64.00	111.00	112.50	30	15	£110.63		£84.86
ZM1.5-74	74	111.00	65.50	114.00	115.50	30	15	£116.41		£89.33
ZM1.5-75	75	112.50	66.25	115.50	117.00	30	15	£119.39		£91.61
ZM1.5-78	78	117.00	68.50	120.00	121.50	30	15	£128.49		£98.52
ZM1.5-80	80	120.00	70.00	123.00	124.50	30	15	£134.67		£103.38
ZM1.5-82	82	123.00	71.50	126.00	127.50	30	15	£140.59		£108.28
ZM1.5-85	85	127.50	73.75	130.50	132.00	30	15	£150.90		£115.79
ZM1.5-88	88	132.00	76.00	135.00	136.50	30	15	£161.16		£123.67
ZM1.5-90	90	135.00	77.50	138.00	139.50	30	15	£168.09		£128.97
ZM1.5-92	92	138.00	79.00	141.00	142.50	30	15	£175.32		£134.52
ZM1.5-95	95	142.50	81.25	145.50	147.00	30	15	£186.27		£142.91
ZM1.5-98	98	147.00	83.50	150.00	151.50	30	15	£197.62		£151.59
ZM1.5-100	100	150.00	85.00	153.00	154.50	30	15	£205.34		£157.53
ZM1.5-120	120	180.00	100.00	183.00	184.50	50	15	£273.10		£232.17

