

Worms & Wheels

Materials

64 DP, 0.0491" Pitch

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



**LEAD ANGLE
RIGHT HAND
STANDARD**

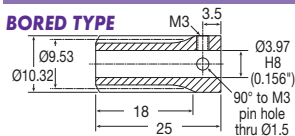
DISCOUNTS

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

20° Pressure Angle

Worm STEEL 214 M15 - En202

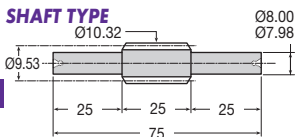
BORED TYPE



214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	214M15 - EN202 HARDENED	PRICE EACH 1-5
W64-1	£14.67	1	2°23'	WH64-1	£20.84
W64-2	£15.19	2	4°45'	WH64-2	£21.62
W64-3	£16.78	3	7°07'	WH64-3	£23.88
W64-4	£17.24	4	9°27'	WH64-4	£24.41

SHAFT TYPE

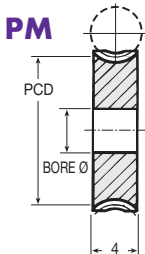
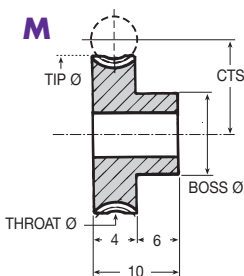


214M15 - EN202 UNHARDENED

PART NUMBER	PRICE EACH 1-5	No. of STARTS	LEAD ANGLE	655M13 - EN36 HARDENED	PRICE EACH 1-5
SW64-1	£27.41	1	2°23'	SWH64-1	£39.02
SW64-2	£29.61	2	4°45'	SWH64-2	£42.05
SW64-3	£31.06	3	7°07'	SWH64-3	£44.12
SW64-4	£32.02	4	9°27'	SWH64-4	£45.51

Wheel PHOSPHOR BRONZE - PB2

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



**Double
Bossed
Wheels
Available @
Price x 1.4**

15.42



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 STD WORM	WITH HARD WORM
TORQUE Nm	0.57	1.0
K.W.	0.0012	0.0021

Number of Teeth 20 - 460*See Technical Section**Note: When ordering Wheel, the number of starts on the mating Worm must be specified.*

PART NUMBER	TEETH	PCD (ins)	CTS (ins)	Throat Ø (ins)	Tip Ø (ins)	Boss Ø (ins)	Bore Ø (ins)	PRICE EACH 1 - 5	
								M	PM
M64-20	20	0.313	0.344	0.344	0.359	0.344	0.125	£12.32	£10.95
M64-24	24	0.375	0.375	0.406	0.422	0.375	0.125	£12.65	£11.30
M64-25	25	0.391	0.383	0.422	0.438	0.375	0.125	£12.93	£11.65
M64-26	26	0.406	0.391	0.438	0.453	0.375	0.125	£13.19	£12.04
M64-28	28	0.438	0.406	0.469	0.484	0.375	0.125	£13.48	£12.32
M64-30	30	0.469	0.422	0.500	0.516	0.375	0.125	£13.82	£12.68
M64-34	34	0.531	0.453	0.563	0.578	0.375	0.125	£14.08	£13.03
M64-35	35	0.547	0.461	0.578	0.594	0.375	0.125	£14.33	£13.37
M64-36	36	0.563	0.469	0.594	0.609	0.375	0.125	£14.68	£13.70
M64-38	38	0.594	0.484	0.625	0.641	0.375	0.125	£14.97	£14.05
M64-40	40	0.625	0.500	0.656	0.672	0.500	0.187	£15.33	£14.38
M64-44	44	0.688	0.531	0.719	0.734	0.500	0.187	£15.61	£14.50
M64-45	45	0.703	0.539	0.734	0.750	0.500	0.187	£15.97	£14.63
M64-46	46	0.719	0.547	0.750	0.766	0.500	0.187	£16.32	£14.68
M64-48	48	0.750	0.563	0.781	0.797	0.500	0.187	£16.72	£14.77
M64-50	50	0.781	0.578	0.813	0.828	0.500	0.187	£17.06	£14.90
M64-52	52	0.813	0.594	0.844	0.859	0.500	0.187	£17.38	£14.96
M64-54	54	0.844	0.609	0.875	0.891	0.500	0.187	£17.80	£15.03
M64-56	56	0.875	0.625	0.906	0.922	0.500	0.187	£18.13	£15.14
M64-58	58	0.906	0.641	0.938	0.953	0.500	0.187	£18.49	£15.23
M64-60	60	0.938	0.656	0.969	0.984	0.500	0.187	£18.83	£15.38
M64-62	62	0.969	0.672	1.000	1.016	0.500	0.187	£19.01	£15.42
M64-64	64	1.000	0.688	1.031	1.047	0.500	0.187	£19.16	£15.50
M64-68	68	1.063	0.719	1.094	1.109	0.500	0.187	£19.33	£15.61
M64-70	70	1.094	0.734	1.125	1.141	0.500	0.187	£19.50	£15.76
M64-72	72	1.125	0.750	1.156	1.172	0.500	0.187	£19.66	£15.83
M64-75	75	1.172	0.773	1.203	1.219	0.500	0.187	£19.81	£15.97
M64-76	76	1.188	0.781	1.219	1.234	0.500	0.187	£19.98	£16.17
M64-80	80	1.250	0.813	1.281	1.297	0.500	0.187	£20.12	£16.25
M64-84	84	1.313	0.844	1.344	1.359	0.500	0.187	£20.25	£16.45
M64-85	85	1.328	0.852	1.359	1.375	0.500	0.187	£20.46	£16.60
M64-86	86	1.344	0.859	1.375	1.391	0.500	0.187	£20.61	£16.77
M64-90	90	1.406	0.891	1.438	1.453	0.500	0.187	£20.73	£16.94
M64-92	92	1.438	0.906	1.469	1.484	0.500	0.187	£20.92	£17.06
M64-94	94	1.469	0.922	1.500	1.516	0.500	0.187	£21.09	£17.26
M64-96	96	1.500	0.938	1.531	1.547	0.500	0.187	£21.24	£17.37
M64-100	100	1.563	0.969	1.594	1.609	0.500	0.187	£21.41	£17.55
M64-110	110	1.719	1.047	1.750	1.766	0.500	0.187	£22.05	£17.73
M64-120	120	1.875	1.125	1.906	1.922	0.500	0.187	£24.45	£17.87
M64-130	130	2.031	1.203	2.063	2.078	0.500	0.187	£28.13	£19.44
M64-140	140	2.188	1.281	2.219	2.234	0.500	0.187	£32.02	£26.04
M64-150	150	2.344	1.359	2.375	2.391	0.500	0.187	£36.19	£30.50
M64-200	200	3.125	1.750	3.156	3.172	0.750	0.250	£60.54	£47.90
M64-300	300	4.688	2.531	4.719	4.734	0.750	0.250	£96.16	£64.10
M64-460	460	7.187	3.781	7.218	7.615	1.500	0.500	£307.90	£261.72



Worms & Wheels

64 DP, 0.0491" Pitch

Materials

STD : Delrin
Machined Parts



20° Pressure Angle

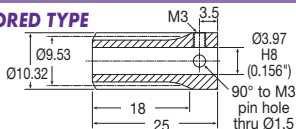
LEAD ANGLE
RIGHT HAND
STANDARD

DISCOUNTS

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

Worm DELRIN - Machined Parts

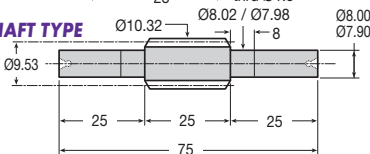
BORED TYPE



PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZW64-1	1	2°23'	£10.26
ZW64-2	2	4°45'	£10.72
ZW64-3	3	7°07'	£11.81
ZW64-4	4	9°27'	£12.09

SHAFT TYPE

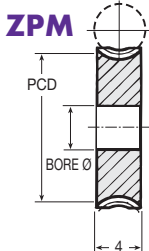
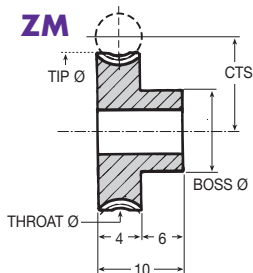


PLASTIC

PART NUMBER	No. of STARTS	LEAD ANGLE	PRICE EACH 1-5
ZSW64-1	1	2°23'	£19.27
ZSW64-2	2	4°45'	£20.82
ZSW64-3	3	7°07'	£21.80
ZSW64-4	4	9°27'	£22.55

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

DP 64 Worms & Wheels Plastic

15.44



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 20 - 460

See Technical Section

Note: When ordering Wheel, the number of starts on the mating Worm must be specified.

PART NUMBER	TEETH	PCD (ins)	CTS (ins)	Throat Ø (ins)	Tip Ø (ins)	Boss Ø (ins)	Bore Ø (ins)	PRICE EACH 1 - 5	ZM	ZPM
ZM64-20	20	0.313	0.344	0.344	0.359	0.344	0.125	£6.15	£4.73	
ZM64-24	24	0.375	0.375	0.406	0.422	0.375	0.125	£6.32	£4.79	
ZM64-25	25	0.391	0.383	0.422	0.438	0.375	0.125	£6.44	£4.97	
ZM64-26	26	0.406	0.391	0.438	0.453	0.375	0.125	£6.65	£5.06	
ZM64-28	28	0.438	0.406	0.469	0.484	0.375	0.125	£6.75	£5.19	
ZM64-30	30	0.469	0.422	0.500	0.516	0.375	0.125	£6.95	£5.30	
ZM64-34	34	0.531	0.453	0.563	0.578	0.375	0.125	£7.04	£5.46	
ZM64-35	35	0.547	0.461	0.578	0.594	0.375	0.125	£7.38	£5.53	
ZM64-36	36	0.563	0.469	0.594	0.609	0.375	0.125	£7.39	£5.59	
ZM64-38	38	0.594	0.484	0.625	0.641	0.375	0.125	£7.49	£5.79	
ZM64-40	40	0.625	0.500	0.656	0.672	0.500	0.187	£7.72	£5.83	
ZM64-44	44	0.688	0.531	0.719	0.734	0.500	0.187	£7.82	£5.95	
ZM64-45	45	0.703	0.539	0.734	0.750	0.500	0.187	£8.02	£6.14	
ZM64-46	46	0.719	0.547	0.750	0.766	0.500	0.187	£8.18	£6.30	
ZM64-48	48	0.750	0.563	0.781	0.797	0.500	0.187	£8.38	£6.40	
ZM64-50	50	0.781	0.578	0.813	0.828	0.500	0.187	£8.53	£6.50	
ZM64-52	52	0.813	0.594	0.844	0.859	0.500	0.187	£8.73	£6.68	
ZM64-54	54	0.844	0.609	0.875	0.891	0.500	0.187	£8.91	£6.77	
ZM64-56	56	0.875	0.625	0.906	0.922	0.500	0.187	£9.08	£6.99	
ZM64-58	58	0.906	0.641	0.938	0.953	0.500	0.187	£9.30	£7.10	
ZM64-60	60	0.938	0.656	0.969	0.984	0.500	0.187	£9.47	£7.27	
ZM64-62	62	0.969	0.672	1.000	1.016	0.500	0.187	£9.55	£7.36	
ZM64-64	64	1.000	0.688	1.031	1.047	0.500	0.187	£9.60	£7.38	
ZM64-68	68	1.063	0.719	1.094	1.109	0.500	0.187	£9.68	£7.40	
ZM64-70	70	1.094	0.734	1.125	1.141	0.500	0.187	£9.82	£7.45	
ZM64-72	72	1.125	0.750	1.156	1.172	0.500	0.187	£9.86	£7.49	
ZM64-75	75	1.172	0.773	1.203	1.219	0.500	0.187	£9.95	£7.64	
ZM64-76	76	1.188	0.781	1.219	1.234	0.500	0.187	£11.10	£8.45	
ZM64-80	80	1.250	0.813	1.281	1.297	0.500	0.187	£11.12	£8.53	
ZM64-84	84	1.313	0.844	1.344	1.359	0.500	0.187	£11.21	£8.59	
ZM64-85	85	1.328	0.852	1.359	1.375	0.500	0.187	£11.33	£8.62	
ZM64-86	86	1.344	0.859	1.375	1.391	0.500	0.187	£11.49	£8.67	
ZM64-90	90	1.406	0.891	1.438	1.453	0.500	0.187	£11.58	£8.81	
ZM64-92	92	1.438	0.906	1.469	1.484	0.500	0.187	£11.67	£8.84	
ZM64-94	94	1.469	0.922	1.500	1.516	0.500	0.187	£11.70	£8.93	
ZM64-96	96	1.500	0.938	1.531	1.547	0.500	0.187	£11.73	£8.96	
ZM64-100	100	1.563	0.969	1.594	1.609	0.500	0.187	£11.84	£9.04	
ZM64-110	110	1.719	1.047	1.750	1.766	0.500	0.187	£13.93	£10.62	
ZM64-120	120	1.875	1.125	1.906	1.922	0.500	0.187	£15.38	£11.76	
ZM64-130	130	2.031	1.203	2.063	2.078	0.500	0.187	£15.60	£11.96	
ZM64-140	140	2.188	1.281	2.219	2.234	0.500	0.187	£16.13	£12.34	
ZM64-150	150	2.344	1.359	2.375	2.391	0.500	0.187	£18.18	£13.95	
ZM64-200	200	3.125	1.750	3.156	3.172	0.750	0.250	£30.46	£23.42	
ZM64-300	300	4.688	2.531	4.719	4.734	0.750	0.250	£64.63	£49.24	
ZM64-460	460	7.187	3.781	7.218	7.615	1.500	0.500	£161.82	£137.51	

