

# Spur Gears

## Materials

### Standard duty

STD : Steel 214M15/045M10

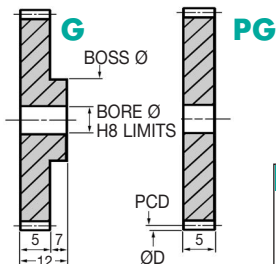
ALTERNATIVE : Brass, Tufnol or Delrin

## 0.5 MOD

20° P.A.

SPECIAL TEETH : between 10 - 250

TORQUE CHECK 50 teeth x 1000 rpm variations at back	214M15 303S21 TORQUE Nm. K.W.	214M15 Cse/HD 1.850 0.194	Brass 0.195 0.021	Tufnol 0.156 0.016
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DISCOUNTS	
1 - 5	List Price
6 - 19	- 12%
20 - 39	- 25%
40 - 59	- 33%
60 - 99	- 37%
100 - 200	- 42%

Popular sizes in stock.

Any two part numbers of this pitch will run together.

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						G	PG	G	PG
G0.5-10	10	5.50	6.50	6.50	3	0.0020	0.0006	£10.12	£8.46
G0.5-11	11	6.00	7.00	7.00	3	0.0025	0.0008	£10.15	£8.47
G0.5-12	12	6.00	7.00	7.00	3	0.0025	0.0008	£10.19	£8.50
G0.5-13	13	6.50	7.50	7.50	3	0.0030	0.0010	£10.28	£8.66
G0.5-14	14	7.00	8.00	8.00	3	0.0035	0.0012	£10.42	£8.86
G0.5-15	15	7.50	8.50	8.50	3	0.0037	0.0014	£10.54	£8.97
G0.5-16	16	8.00	9.00	8.50	4	0.0038	0.0014	£10.72	£9.22
G0.5-17	17	8.50	9.50	8.50	4	0.0041	0.0017	£10.79	£9.37
G0.5-18	18	9.00	10.00	8.50	4	0.0043	0.0020	£10.87	£9.51
G0.5-19	19	9.50	10.50	8.50	4	0.0046	0.0022	£10.99	£9.61
G0.5-20	20	10.00	11.00	8.50	4	0.0049	0.0025	£11.20	£9.70
G0.5-21	21	10.50	11.50	8.50	4	0.0052	0.0028	£11.30	£9.76
G0.5-22	22	11.00	12.00	8.50	4	0.0055	0.0032	£11.47	£9.83
G0.5-23	23	11.50	12.50	8.50	4	0.0059	0.0035	£11.59	£9.93
G0.5-24	24	12.00	13.00	10.00	5	0.0067	0.0036	£11.73	£9.96
G0.5-25	25	12.50	13.50	10.00	5	0.0071	0.0039	£11.85	£10.01
G0.5-26	26	13.00	14.00	10.00	5	0.0075	0.0043	£12.04	£10.09
G0.5-27	27	13.50	14.50	10.00	5	0.0079	0.0047	£12.15	£10.19
G0.5-28	28	14.00	15.00	10.00	5	0.0083	0.0051	£12.29	£10.22
G0.5-29	29	14.50	15.50	10.00	5	0.0087	0.0056	£12.34	£10.24
G0.5-30	30	15.00	16.00	10.00	5	0.0092	0.0060	£12.40	£10.30
G0.5-31	31	15.50	16.50	10.00	5	0.0096	0.0065	£12.56	£10.42
G0.5-32	32	16.00	17.00	10.00	5	0.0101	0.0069	£12.69	£10.47

Spur Gears Steel - Standard MOD 0.5

23.10



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

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						G	PG	G	PG
G0.5-33	33	16.50	17.50	10	5	0.0106	0.0074	£12.83	£10.57
G0.5-34	34	17.00	18.00	10	5	0.0111	0.0079	£12.95	£10.72
G0.5-35	35	17.50	18.50	10	5	0.0116	0.0085	£13.13	£10.79
G0.5-36	36	18.00	19.00	10	5	0.0121	0.0090	£13.27	£10.87
G0.5-37	37	18.50	19.50	10	5	0.0127	0.0095	£13.40	£10.95
G0.5-38	38	19.00	20.00	10	5	0.0133	0.0101	£13.54	£11.06
G0.5-39	39	19.50	20.50	10	5	0.0138	0.0107	£13.68	£11.20
G0.5-40	40	20.00	21.00	10	5	0.0144	0.0113	£13.82	£11.28
G0.5-41	41	20.50	21.50	10	5	0.0150	0.0119	£13.96	£11.33
G0.5-42	42	21.00	22.00	10	5	0.0157	0.0125	£14.08	£11.47
G0.5-43	43	21.50	22.50	10	5	0.0163	0.0131	£14.25	£11.53
G0.5-44	44	22.00	23.00	10	5	0.0169	0.0138	£14.36	£11.66
G0.5-45	45	22.50	23.50	10	5	0.0176	0.0145	£14.50	£11.73
G0.5-46	46	23.00	24.00	10	5	0.0183	0.0151	£14.67	£11.84
G0.5-47	47	23.50	24.50	10	5	0.0190	0.0158	£14.77	£11.91
G0.5-48	48	24.00	25.00	10	5	0.0197	0.0166	£15.07	£12.06
G0.5-49	49	24.50	25.50	10	5	0.0204	0.0173	£15.15	£12.11
G0.5-50	50	25.00	26.00	12	6	0.0222	0.0177	£15.23	£12.22
G0.5-51	51	25.50	26.50	12	6	0.0230	0.0185	£15.38	£12.33
G0.5-52	52	26.00	27.00	12	6	0.0238	0.0192	£15.45	£12.44
G0.5-53	53	26.50	27.50	12	6	0.0246	0.0200	£15.55	£12.56
G0.5-54	54	27.00	28.00	12	6	0.0254	0.0208	£15.65	£12.68
G0.5-55	55	27.50	28.50	12	6	0.0262	0.0216	£15.77	£12.77
G0.5-56	56	28.00	29.00	12	6	0.0270	0.0225	£15.87	£25.87
G0.5-57	57	28.50	29.50	12	6	0.0279	0.0233	£15.95	£13.02
G0.5-58	58	29.00	30.00	12	6	0.0287	0.0242	£16.12	£13.13
G0.5-59	59	29.50	30.50	12	6	0.0296	0.0251	£16.19	£13.27
G0.5-60	60	30.00	31.00	12	6	0.0305	0.0260	£16.27	£13.37
G0.5-61	61	30.50	31.50	12	6	0.0314	0.0269	£24.72	£13.46
G0.5-62	62	31.00	32.00	12	6	0.0323	0.0278	£16.48	£13.59
G0.5-63	63	31.50	32.50	12	6	0.0333	0.0287	£16.60	£13.70
G0.5-64	64	32.00	33.00	12	6	0.0342	0.0297	£16.72	£13.82
G0.5-65	65	32.50	33.50	12	6	0.0352	0.0307	£16.83	£13.95
G0.5-68	68	34.00	35.00	12	6	0.0382	0.0337	£16.95	£13.99
G0.5-70	70	35.00	36.00	12	6	0.0403	0.0357	£17.13	£14.15
G0.5-72	72	36.00	37.00	12	6	0.0424	0.0379	£17.29	£14.27
G0.5-75	75	37.50	38.50	12	6	0.0457	0.0412	£17.44	£14.33
G0.5-77	77	38.50	39.50	12	6	0.0480	0.0435	£17.65	£14.38
G0.5-80	80	40.00	41.00	12	6	0.0515	0.0470	£17.81	£14.46
G0.5-84	84	42.00	43.00	12	6	0.0565	0.0519	£17.98	£14.64
G0.5-86	86	43.00	44.00	12	6	0.0590	0.0545	£18.17	£14.67
G0.5-88	88	44.00	45.00	12	6	0.0616	0.0571	£18.30	£14.73
G0.5-90	90	45.00	46.00	12	6	0.0643	0.0598	£18.50	£14.82
G0.5-96	96	48.00	49.00	12	6	0.0727	0.0682	£18.69	£15.23
G0.5-100	100	50.00	51.00	12	6	0.0786	0.0740	£18.77	£16.19
G0.5-120	120	60.00	61.00	18	6	0.1116	0.1071	£22.74	£20.42
G0.5-140	140	70.00	71.00	18	6	0.1507	0.1462	£27.18	£24.45
G0.5-150	150	75.00	76.00	18	6	0.1725	0.1679	£29.60	£27.05
G0.5-180	180	90.00	91.00	20	8	0.2469	0.2423	£33.41	£30.10
G0.5-200	200	100.00	101.00	20	8	0.3040	0.2994	£36.49	£32.85
G0.5-220	220	110.00	111.00	20	10	0.3671	0.3625	£39.79	£35.88
G0.5-250	250	125.00	126.00	20	10	0.4730	0.4684	£43.77	£39.47

Gears with a greater number of teeth than listed are subject to different face widths, boss and bore. Please consult Technical for sizes.



# Spur Gears

## Materials

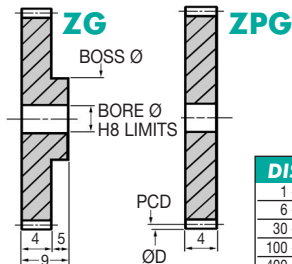
### Plastic Delrin (fully machined)

STD : **White Delrin**

## 0.5 MOD

20° P.A.

SPECIAL TEETH : *between 10 - 250*



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.10

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

*Popular sizes in stock.*

*Any two part numbers of this pitch will run together.*

**Spur Gears Plastic MOD 0.5**

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)	PRICE EACH 1-5		
							ZG	ZPG	
ZG0.5-10	10	5.50	6.50	6.50	2	0.0003	0.0001	£5.12	£3.89
ZG0.5-11	11	6.00	7.00	7.00	2	0.0003	0.0001	£5.13	£3.90
ZG0.5-12	12	6.00	7.00	7.00	2	0.0003	0.0001	£5.19	£3.99
ZG0.5-13	13	6.50	7.50	7.00	2	0.0004	0.0002	£5.20	£3.96
ZG0.5-14	14	7.00	8.00	7.00	2	0.0004	0.0002	£5.23	£3.99
ZG0.5-15	15	7.50	8.50	7.00	2	0.0004	0.0002	£5.25	£4.01
ZG0.5-16	16	8.00	9.00	7.00	2	0.0005	0.0002	£5.33	£4.03
ZG0.5-17	17	8.50	9.50	8.00	2	0.0006	0.0003	£5.46	£4.08
ZG0.5-18	18	9.00	10.00	8.00	2	0.0006	0.0003	£5.48	£4.14
ZG0.5-19	19	9.50	10.50	9.00	3	0.0007	0.0003	£5.52	£4.21
ZG0.5-20	20	10.00	11.00	9.00	3	0.0007	0.0004	£5.58	£4.24
ZG0.5-21	21	10.50	11.50	9.00	3	0.0008	0.0004	£5.67	£4.27
ZG0.5-22	22	11.00	12.00	9.00	3	0.0008	0.0005	£5.72	£4.35
ZG0.5-23	23	11.50	12.50	10.00	3	0.0010	0.0005	£5.81	£4.42
ZG0.5-24	24	12.00	13.00	10.00	3	0.0010	0.0005	£5.85	£4.49
ZG0.5-25	25	12.50	13.50	10.00	3	0.0011	0.0006	£5.90	£4.57
ZG0.5-26	26	13.00	14.00	10.00	3	0.0011	0.0006	£6.04	£4.61
ZG0.5-27	27	13.50	14.50	10.00	3	0.0012	0.0007	£6.06	£4.62
ZG0.5-28	28	14.00	15.00	10.00	3	0.0012	0.0008	£6.14	£4.72
ZG0.5-29	29	14.50	15.50	10.00	3	0.0013	0.0008	£6.15	£4.73
ZG0.5-30	30	15.00	16.00	12.00	4	0.0015	0.0008	£6.20	£4.75
ZG0.5-31	31	15.50	16.50	12.00	4	0.0016	0.0009	£6.30	£4.79
ZG0.5-32	32	16.00	17.00	12.00	4	0.0016	0.0010	£6.38	£4.83

**23.12**



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

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						ZG	ZPG	ZG	ZPG
ZG0.5-33	33	16.50	17.50	12	4	0.0017	0.0010	£6.39	£4.85
ZG0.5-34	34	17.00	18.00	12	4	0.0017	0.0011	£6.43	£4.97
ZG0.5-35	35	17.50	18.50	12	4	0.0018	0.0012	£6.61	£4.98
ZG0.5-36	36	18.00	19.00	12	4	0.0019	0.0012	£6.65	£5.06
ZG0.5-40	40	20.00	21.00	12	4	0.0022	0.0016	£6.95	£5.32
ZG0.5-41	41	20.50	21.50	12	4	0.0023	0.0016	£6.99	£5.33
ZG0.5-42	42	21.00	22.00	12	4	0.0024	0.0017	£7.04	£5.46
ZG0.5-43	43	21.50	22.50	12	4	0.0024	0.0018	£7.09	£5.48
ZG0.5-44	44	22.00	23.00	12	4	0.0025	0.0019	£7.27	£5.52
ZG0.5-45	45	22.50	23.50	12	4	0.0026	0.0020	£7.31	£5.54
ZG0.5-46	46	23.00	24.00	12	4	0.0027	0.0021	£7.36	£5.58
ZG0.5-47	47	23.50	24.50	12	4	0.0028	0.0022	£7.40	£5.67
ZG0.5-48	48	24.00	25.00	12	4	0.0029	0.0023	£7.53	£5.76
ZG0.5-49	49	24.50	25.50	12	4	0.0030	0.0024	£7.63	£5.79
ZG0.5-50	50	25.00	26.00	12	4	0.0031	0.0025	£7.64	£5.82
ZG0.5-51	51	25.50	26.50	12	4	0.0032	0.0026	£7.70	£5.85
ZG0.5-52	52	26.00	27.00	12	4	0.0033	0.0027	£7.73	£5.90
ZG0.5-53	53	26.50	27.50	12	4	0.0034	0.0028	£7.75	£5.95
ZG0.5-54	54	27.00	28.00	14	4	0.0038	0.0029	£7.82	£6.04
ZG0.5-55	55	27.50	28.50	14	4	0.0039	0.0030	£7.87	£6.06
ZG0.5-56	56	28.00	29.00	14	4	0.0040	0.0031	£7.94	£6.07
ZG0.5-57	57	28.50	29.50	14	4	0.0041	0.0032	£8.01	£6.14
ZG0.5-58	58	29.00	30.00	14	4	0.0042	0.0033	£8.88	£6.75
ZG0.5-59	59	29.50	30.50	14	4	0.0044	0.0035	£8.93	£6.77
ZG0.5-60	60	30.00	31.00	14	4	0.0045	0.0036	£8.96	£6.87
ZG0.5-61	61	30.50	31.50	14	4	0.0046	0.0037	£9.04	£6.95
ZG0.5-62	62	31.00	32.00	14	4	0.0047	0.0038	£9.08	£6.99
ZG0.5-63	63	31.50	32.50	14	4	0.0049	0.0039	£9.18	£7.02
ZG0.5-64	64	32.00	33.00	14	4	0.0050	0.0041	£9.26	£7.04
ZG0.5-65	65	32.50	33.50	14	4	0.0051	0.0042	£9.30	£7.09
ZG0.5-68	68	34.00	35.00	14	4	0.0055	0.0046	£9.32	£7.14
ZG0.5-70	70	35.00	36.00	14	4	0.0058	0.0049	£9.47	£7.27
ZG0.5-72	72	36.00	37.00	14	4	0.0061	0.0052	£9.55	£7.36
ZG0.5-75	75	37.50	38.50	14	4	0.0065	0.0056	£9.65	£7.38
ZG0.5-77	77	38.50	39.50	14	4	0.0068	0.0059	£9.77	£7.45
ZG0.5-80	80	40.00	41.00	16	5	0.0075	0.0064	£11.15	£8.59
ZG0.5-84	84	42.00	43.00	16	5	0.0082	0.0070	£11.28	£8.62
ZG0.5-86	86	43.00	44.00	16	5	0.0085	0.0074	£11.47	£8.73
ZG0.5-88	88	44.00	45.00	16	5	0.0089	0.0077	£11.51	£8.81
ZG0.5-90	90	45.00	46.00	16	5	0.0092	0.0081	£11.59	£8.88
ZG0.5-96	96	48.00	49.00	16	5	0.0104	0.0092	£11.73	£8.96
ZG0.5-100	100	50.00	51.00	16	5	0.0112	0.0100	£14.25	£10.82
ZG0.5-120	120	60.00	61.00	16	5	0.0156	0.0144	£19.42	£14.90
ZG0.5-150	150	75.00	76.00	20	8	0.0238	0.0226	£26.85	£20.57
ZG0.5-180	180	90.00	91.00	20	8	0.0338	0.0326	£33.69	£25.81
ZG0.5-200	200	100.00	101.00	30	10	0.0460	0.0430	£40.48	£31.11
ZG0.5-220	220	110.00	111.00	30	10	0.5700	0.0520	£47.91	£39.34
ZG0.5-250	250	125.00	126.00	30	10	0.7100	0.0630	£63.57	£48.92

*Gears with a greater number of teeth than listed are subject to different face widths, boss and bore. Please consult Technical for sizes.*

