

# Spur Gears

## Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

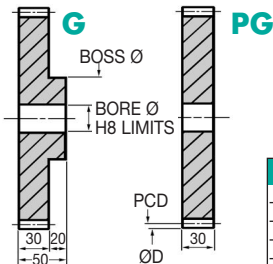
**3 MOD**

20° P.A.

SPECIALS : up to Ø750 mm



TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations	88.000	421.000	44.000	35.000
at back	<b>K.W.</b>	8.950	46.60	3.730



### DISCOUNTS

	List Price
1 - 5	
6 - 19	- 5%
20 - 39	- 10%
40 - 59	- 15%
60 - 99	- 20%
100 - 200	- 25%

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
G3-9	9	30	36	28	15	0.189	0.122	£19.04	£13.97
G3-10	10	33	39	28	15	0.223	0.156	£19.07	£14.02
G3-11	11	36	42	28	15	0.260	0.193	£19.14	£14.06
G3-12	12	36	42	28	20	0.208	0.162	£19.16	£14.12
G3-13	13	39	45	28	20	0.248	0.202	£19.72	£16.13
G3-14	14	42	48	30	20	0.306	0.246	£20.59	£18.18
G3-15	15	45	51	30	20	0.353	0.293	£21.24	£19.81
G3-16	16	48	54	40	20	0.488	0.343	£22.55	£21.42
G3-17	17	51	57	40	20	0.541	0.397	£23.84	£22.21
G3-18	18	54	60	40	20	0.598	0.454	£25.07	£23.04
G3-19	19	57	63	40	20	0.658	0.514	£26.01	£23.86
G3-20	20	60	66	50	25	0.762	0.536	£26.86	£24.63
G3-21	21	63	69	50	25	0.828	0.603	£27.74	£25.39
G3-22	22	66	72	50	25	0.898	0.673	£28.69	£26.11
G3-23	23	69	75	50	25	0.971	0.746	£29.61	£26.85
G3-24	24	72	78	50	25	1.047	0.822	£30.46	£27.60
G3-25	25	75	81	50	25	1.127	0.902	£32.30	£29.07
G3-26	26	78	84	50	25	1.210	0.984	£34.15	£30.48
G3-27	27	81	87	50	25	1.296	1.070	£34.97	£32.26
G3-28	28	84	90	50	25	1.385	1.160	£35.96	£33.97
G3-29	29	87	93	50	25	1.477	1.252	£37.41	£34.51
G3-30	30	90	96	50	25	1.573	1.348	£38.77	£35.00
G3-31	31	93	99	50	25	1.672	1.447	£40.15	£36.58

Spur Gears Steel - Standard MOD 3

23.62



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
G3-32	32	96	102	50	25	1.774	1.549	£41.58	£38.06
G3-33	33	99	105	50	25	1.880	1.654	£43.86	£39.60
G3-34	34	102	108	50	25	1.989	1.763	£44.70	£41.14
G3-35	35	105	111	60	25	2.233	1.875	£48.19	£44.16
G3-36	36	108	114	60	25	2.348	1.990	£50.04	£47.82
G3-37	37	111	117	60	25	2.466	2.109	£50.99	£48.79
G3-38	38	114	120	60	25	2.588	2.230	£51.71	£49.65
G3-39	39	117	123	60	25	2.713	2.355	£52.42	£50.59
G3-40	40	120	126	60	25	2.841	2.484	£53.16	£51.51
G3-41	41	123	129	60	25	2.973	2.615	£54.12	£52.37
G3-42	42	126	132	60	25	3.107	2.750	£54.78	£53.28
G3-43	43	129	135	60	25	3.245	2.888	£59.67	£54.21
G3-44	44	132	138	60	25	3.386	3.029	£66.98	£57.26
G3-45	45	135	141	60	25	3.531	3.173	£78.59	£60.31
G3-46	46	138	144	60	25	3.679	3.321	£79.28	£61.24
G3-47	47	141	147	60	25	3.829	3.472	£79.89	£62.18
G3-48	48	144	150	60	25	3.984	3.626	£84.76	£63.09
G3-49	49	147	153	60	25	4.141	3.783	£86.49	£64.93
G3-50	50	150	156	60	25	4.302	3.944	£87.06	£66.73
G3-51	51	153	159	60	25	4.466	4.108	£90.14	£69.77
G3-52	52	156	162	60	25	4.633	4.275	£93.21	£77.18
G3-53	53	159	165	60	25	4.803	4.445	£96.34	£80.53
G3-54	54	162	168	60	25	4.977	4.619	£99.27	£82.35
G3-55	55	165	171	60	25	5.154	4.796	£103.95	£83.09
G3-56	56	168	174	60	25	5.334	4.976	£105.64	£83.97
G3-57	57	171	177	60	25	5.517	5.159	£107.33	£85.03
G3-58	58	174	180	60	25	5.704	5.346	£109.03	£87.16
G3-59	59	177	183	60	25	5.894	5.536	£112.13	£87.23
G3-60	60	180	186	60	25	6.087	5.729	£115.28	£87.30
G3-61	61	183	189	60	25	6.283	5.925	£118.37	£94.76
G3-62	62	186	192	60	25	6.483	6.125	£121.54	£100.11
G3-63	63	189	195	60	25	6.685	6.328	£124.66	£103.31
G3-64	64	192	198	120	30	8.107	6.484	£127.48	£106.83
G3-65	65	195	201	120	30	8.316	6.694	£128.20	£107.39
G3-68	68	204	210	120	30	8.964	7.341	£137.30	£115.06
G3-70	70	210	216	120	30	9.412	7.789	£148.34	£124.27
G3-72	72	216	222	120	30	9.873	8.250	£153.07	£128.30
G3-75	75	225	231	120	30	10.588	8.965	£164.88	£138.15
G3-76	76	228	234	120	30	10.833	9.210	£166.23	£139.28
G3-78	78	234	240	120	30	11.333	9.710	£175.08	£146.74
G3-80	80	240	246	120	30	11.846	10.223	£183.96	£154.18
G3-82	82	246	252	120	30	12.371	10.749	£194.21	£162.69
G3-84	84	252	258	120	30	12.910	11.288	£203.50	£170.51
G3-86	86	258	264	120	30	13.462	11.839	£219.93	£184.25
G3-88	88	264	270	120	30	14.027	12.404	£233.47	£195.63
G3-90	90	270	276	120	30	14.604	12.982	£242.15	£202.95
G3-92	92	276	282	120	30	15.195	13.572	£249.69	£209.22
G3-94	94	282	288	120	30	15.799	14.176	£266.05	£222.98
G3-95	95	285	291	120	30	16.105	14.483	£276.86	£231.99
G3-96	96	288	294	120	30	16.415	14.793	£286.57	£240.15

**Up to Ø750 mm**

*Please consult Technical for larger sizes.*



# Spur Gears

## Materials

Heavy duty steel

STD : 817M40 (En24) or 655M13 (En36)  
ALTERNATIVE : 080M40 (En8) and torque x  
0.47 of 655M13(En36)

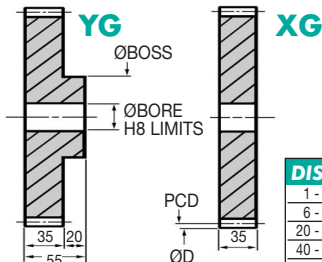
3 MOD

20° P.A.

SPECIALS : up to Ø750 mm



TORQUE CHECK 50 teeth x 1000 rpm variations at back	655M13 TORQUE Nm. K.W.	655M13 Cse/HD 615.000 64.156	817M40 223.000 23.126	817M40 Ind/HD 325.000 33.570
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DISCOUNTS	
1 - 5	List Price
6 - 19	- 5%
20 - 39	- 10%
40 - 59	- 15%
60 - 99	- 20%
100 - 200	- 25%

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		
							YG	XG	
YG3-9	9	30	36	36	15	0.27	0.14	£25.60	£19.15
YG3-10	10	33	39	39	15	0.34	0.18	£25.62	£19.20
YG3-11	11	36	42	42	15	0.41	0.23	£25.68	£19.26
YG3-12	12	36	42	42	20	0.35	0.19	£25.76	£19.33
YG3-13	13	39	45	45	20	0.43	0.24	£26.48	£19.82
YG3-14	14	42	48	45	20	0.48	0.29	£27.61	£20.68
YG3-15	15	45	51	45	20	0.54	0.34	£28.48	£21.36
YG3-16	16	48	54	45	20	0.60	0.40	£30.26	£22.69
YG3-17	17	51	57	45	20	0.66	0.46	£31.96	£23.92
YG3-18	18	54	60	45	20	0.72	0.53	£33.66	£25.21
YG3-19	19	57	63	45	20	0.79	0.60	£34.97	£26.16
YG3-20	20	60	66	60	25	0.98	0.63	£36.00	£27.02
YG3-21	21	63	69	60	25	1.06	0.70	£37.29	£27.91
YG3-22	22	66	72	60	25	1.14	0.78	£38.54	£28.89
YG3-23	23	69	75	60	25	1.23	0.87	£39.69	£29.75
YG3-24	24	72	78	60	25	1.32	0.96	£40.88	£30.61
YG3-25	25	75	81	60	25	1.41	1.05	£43.34	£32.45
YG3-26	26	78	84	60	25	1.51	1.15	£45.77	£34.33
YG3-27	27	81	87	60	25	1.61	1.25	£46.88	£35.15
YG3-28	28	84	90	60	25	1.71	1.35	£48.24	£36.19
YG3-29	29	87	93	60	25	1.82	1.46	£50.16	£37.65
YG3-30	30	90	96	60	25	1.93	1.57	£52.01	£38.96
YG3-31	31	93	99	60	25	2.05	1.69	£53.84	£40.32

Spur Gears Steel - Heavy Duty MOD 3

23.64



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	
						YG	XG	YG	XG
YG3-32	32	96	102	60	25	2.16	1.81	£55.79	£41.84
YG3-33	33	99	105	60	25	2.29	1.93	£58.83	£44.04
YG3-34	34	102	108	75	25	2.66	2.06	£60.01	£44.97
YG3-35	35	105	111	75	25	2.79	2.19	£64.61	£48.46
YG3-36	36	108	114	75	25	2.92	2.32	£67.14	£50.32
YG3-37	37	111	117	75	25	3.06	2.46	£68.43	£51.28
YG3-38	38	114	120	75	25	3.20	2.60	£69.40	£52.01
YG3-39	39	117	123	75	25	3.35	2.75	£70.29	£52.70
YG3-40	40	120	126	75	25	3.50	2.90	£71.35	£53.46
YG3-41	41	123	129	75	25	3.65	3.05	£72.58	£54.38
YG3-42	42	126	132	75	25	3.81	3.21	£73.47	£55.09
YG3-43	43	129	135	75	25	3.97	3.37	£80.10	£60.04
YG3-44	44	132	138	100	25	4.66	3.53	£89.84	£67.37
YG3-45	45	135	141	100	25	4.83	3.70	£105.41	£79.01
YG3-46	46	138	144	100	25	5.00	3.87	£106.32	£79.72
YG3-47	47	141	147	100	25	5.18	4.05	£107.20	£80.35
YG3-48	48	144	150	100	25	5.36	4.23	£108.34	£81.23
YG3-49	49	147	153	100	25	5.54	4.41	£112.56	£84.39
YG3-50	50	150	156	100	25	5.73	4.60	£116.75	£87.56
YG3-51	51	153	159	100	25	5.92	4.79	£120.84	£90.62
YG3-52	52	156	162	100	25	6.11	4.99	£125.01	£93.76
YG3-53	53	159	165	100	25	6.31	5.19	£129.24	£96.86
YG3-54	54	162	168	100	25	6.52	5.39	£133.15	£99.85
YG3-55	55	165	171	100	25	6.72	5.60	£139.49	£104.55
YG3-56	56	168	174	100	25	6.93	5.81	£141.66	£106.23
YG3-57	57	171	177	127	25	7.88	6.02	£143.94	£107.94
YG3-58	58	174	180	127	25	8.10	6.24	£146.16	£109.61
YG3-59	59	177	183	127	25	8.32	6.46	£150.39	£112.75
YG3-60	60	180	186	127	25	8.55	6.68	£154.56	£115.88
YG3-61	61	183	189	127	25	8.78	6.91	£158.81	£119.04
YG3-62	62	186	192	127	25	9.01	7.15	£162.98	£122.20
YG3-63	63	189	195	127	25	9.25	7.38	£168.05	£125.38
YG3-64	64	192	198	127	25	9.49	7.62	£170.98	£128.20
YG3-65	65	195	201	127	25	9.73	7.87	£178.15	£128.93
YG3-68	68	204	210	127	25	10.49	8.62	£184.16	£138.09
YG3-70	70	210	216	150	30	11.68	9.09	£198.91	£149.17
YG3-72	72	216	222	150	30	12.22	9.62	£205.34	£153.91
YG3-75	75	225	231	150	30	13.06	10.46	£221.15	£165.82
YG3-76	76	228	234	150	30	13.34	10.75	£222.94	£167.15
YG3-78	78	234	240	150	30	13.92	11.33	£234.77	£176.08
YG3-80	80	240	246	150	30	14.52	11.93	£246.72	£185.02
YG3-82	82	246	252	150	30	15.14	12.54	£260.41	£195.28
YG3-84	84	252	258	150	30	15.77	13.17	£272.92	£204.65
YG3-86	86	258	264	150	30	16.41	13.81	£294.88	£221.15
YG3-88	88	264	270	150	30	17.07	14.47	£313.08	£234.77
YG3-90	90	270	276	150	30	17.74	15.15	£324.77	£243.54
YG3-92	92	276	282	150	30	18.43	15.83	£334.89	£251.12
YG3-94	94	282	288	150	30	19.13	16.54	£356.77	£267.58
YG3-95	95	285	291	150	30	19.49	16.90	£371.28	£278.39
YG3-96	96	288	294	150	30	19.85	17.26	£384.30	£288.18

**Up to Ø750 mm**

*Please consult Technical for larger sizes.*



# Spur Gears

## Materials

Plastic Delrin (fully machined)

STD : White Delrin

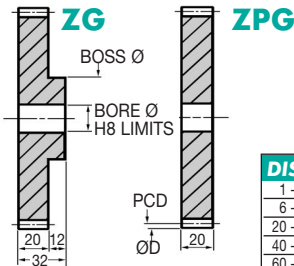
**3 MOD**

20° P.A.

SPECIALS : up to Ø750 mm



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 18.00



### DISCOUNTS

Quantity	List Price
1 - 5	-
6 - 19	- 5%
20 - 39	- 10%
40 - 59	- 15%
60 - 99	- 20%
100 - 200	- 25%

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	
						ZG	ZPG	ZG	ZPG
ZG3-9	9	30	36	36	12	0.029	0.015	£10.43	£7.99
ZG3-10	10	33	39	36	12	0.033	0.019	£10.44	£8.02
ZG3-11	11	36	42	36	12	0.037	0.023	£10.46	£8.07
ZG3-12	12	36	42	36	15	0.035	0.022	£10.50	£8.10
ZG3-13	13	39	45	36	15	0.039	0.026	£10.79	£8.27
ZG3-14	14	42	48	36	15	0.044	0.031	£12.79	£9.82
ZG3-15	15	45	51	40	15	0.053	0.036	£13.26	£10.09
ZG3-16	16	48	54	40	15	0.059	0.042	£14.06	£10.77
ZG3-17	17	51	57	40	15	0.065	0.048	£14.83	£11.34
ZG3-18	18	54	60	48	15	0.080	0.054	£15.65	£11.93
ZG3-19	19	57	63	48	15	0.086	0.061	£16.22	£12.41
ZG3-20	20	60	66	48	15	0.093	0.068	£16.85	£12.79
ZG3-21	21	63	69	48	15	0.101	0.076	£23.60	£18.08
ZG3-22	22	66	72	48	15	0.109	0.083	£24.39	£18.69
ZG3-23	23	69	75	48	15	0.117	0.092	£25.13	£19.25
ZG3-24	24	72	78	48	15	0.125	0.100	£25.93	£19.82
ZG3-25	25	75	81	48	15	0.134	0.109	£27.42	£20.98
ZG3-26	26	78	84	60	20	0.154	0.115	£30.75	£23.53
ZG3-27	27	81	87	60	20	0.163	0.124	£31.49	£24.13
ZG3-28	28	84	90	60	20	0.173	0.134	£32.37	£24.81
ZG3-29	29	87	93	60	20	0.184	0.145	£33.64	£25.77
ZG3-30	30	90	96	60	20	0.194	0.156	£34.90	£26.70
ZG3-31	31	93	99	60	20	0.205	0.167	£40.17	£30.75

Spur Gears Plastic MOD 3

**23.66**



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
ZG3-32	32	96	102	60	20	0.217	0.178	£41.63	£31.90
ZG3-33	33	99	105	60	20	0.229	0.190	£43.98	£33.61
ZG3-34	34	102	108	60	20	0.241	0.202	£49.23	£36.04
ZG3-35	35	105	111	60	20	0.253	0.215	£53.05	£40.65
ZG3-36	36	108	114	60	20	0.266	0.228	£55.11	£42.22
ZG3-37	37	111	117	60	20	0.280	0.241	£56.13	£43.00
ZG3-38	38	114	120	60	20	0.293	0.254	£56.99	£43.65
ZG3-39	39	117	123	60	20	0.307	0.268	£62.96	£48.21
ZG3-40	40	120	126	60	20	0.322	0.283	£63.91	£48.91
ZG3-41	41	123	129	60	20	0.336	0.298	£64.96	£49.76
ZG3-42	42	126	132	60	20	0.351	0.313	£65.84	£50.57
ZG3-43	43	129	135	60	20	0.367	0.328	£71.74	£54.92
ZG3-44	44	132	138	60	20	0.383	0.344	£80.48	£61.60
ZG3-45	45	135	141	60	20	0.399	0.360	£88.84	£66.30
ZG3-46	46	138	144	60	20	0.415	0.377	£97.42	£69.42
ZG3-47	47	141	147	60	20	0.432	0.394	£100.15	£75.81
ZG3-48	48	144	150	60	20	0.450	0.411	£105.15	£80.51
ZG3-49	49	147	153	60	20	0.467	0.428	£109.28	£83.63
ZG3-50	50	150	156	60	20	0.485	0.446	£113.34	£86.79
ZG3-51	51	153	159	60	20	0.504	0.465	£117.32	£89.84
ZG3-52	52	156	162	60	20	0.522	0.484	£140.13	£107.27
ZG3-53	53	159	165	60	20	0.541	0.503	£144.82	£110.88
ZG3-54	54	162	168	80	20	0.595	0.522	£149.17	£114.25
ZG3-55	55	165	171	80	20	0.615	0.542	£157.20	£119.68
ZG3-56	56	168	174	80	20	0.635	0.562	£158.75	£121.56
ZG3-57	57	171	177	80	20	0.655	0.583	£161.19	£123.47
ZG3-58	58	174	180	80	20	0.676	0.603	£163.70	£125.40
ZG3-59	59	177	183	80	20	0.697	0.625	£168.42	£125.69
ZG3-60	60	180	186	80	20	0.719	0.646	£173.12	£132.62
ZG3-61	61	183	189	80	20	0.741	0.668	£177.87	£136.18
ZG3-62	62	186	192	80	20	0.763	0.691	£182.59	£139.84
ZG3-63	63	189	195	80	20	0.786	0.713	£187.30	£143.46
ZG3-64	64	192	198	80	20	0.809	0.737	£191.53	£146.66
ZG3-65	65	195	201	80	20	0.833	0.760	£211.86	£162.33
ZG3-68	68	204	210	80	20	0.905	0.833	£226.90	£173.81
ZG3-70	70	210	216	80	20	0.955	0.883	£245.14	£187.73
ZG3-72	72	216	222	80	20	1.007	0.934	£253.01	£193.76

**Up to Ø750 mm**

**'Never Knowingly Outpriced'**

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

