

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

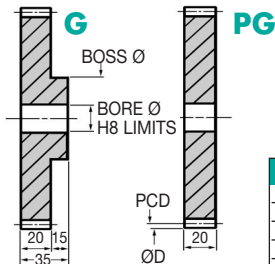
2 MOD

20° P.A.

SPECIAL TEETH : between 9 - 220



TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	25.000	119.000	12.500	10.000
TORQUE Nm.				
K.W.	2.610	12.510	1.320	1.040



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
G2-9	9	20	24	24	12	0.070	0.031	£17.13	£14.25
G2-10	10	22	26	26	12	0.089	0.041	£17.18	£14.27
G2-11	11	24	28	28	12	0.110	0.052	£17.26	£14.31
G2-12	12	24	28	28	12	0.110	0.052	£17.30	£14.33
G2-13	13	26	30	20	12	0.087	0.064	£18.13	£15.19
G2-14	14	28	32	20	12	0.100	0.077	£19.16	£16.13
G2-15	15	30	34	25	15	0.117	0.081	£20.20	£17.13
G2-16	16	32	36	25	15	0.132	0.096	£21.15	£17.99
G2-17	17	34	38	25	15	0.148	0.112	£21.65	£18.50
G2-18	18	36	40	30	15	0.190	0.129	£22.26	£19.00
G2-19	19	38	42	30	15	0.207	0.147	£22.78	£19.42
G2-20	20	40	44	30	15	0.226	0.165	£23.26	£19.93
G2-21	21	42	46	30	15	0.246	0.185	£23.87	£20.42
G2-22	22	44	48	35	15	0.296	0.206	£24.24	£20.88
G2-23	23	46	50	35	15	0.317	0.227	£24.77	£21.37
G2-24	24	48	52	35	15	0.340	0.250	£25.31	£21.84
G2-25	25	50	54	35	15	0.364	0.273	£26.70	£23.71
G2-26	26	52	56	35	15	0.388	0.298	£27.57	£24.63
G2-27	27	54	58	40	20	0.411	0.302	£28.55	£25.58
G2-28	28	56	60	40	20	0.437	0.329	£29.16	£26.13
G2-29	29	58	62	40	20	0.464	0.356	£29.89	£26.74
G2-30	30	60	64	40	20	0.493	0.385	£30.55	£27.40
G2-31	31	62	66	40	20	0.522	0.414	£31.74	£28.37

Spur Gears Steel - Standard MOD 2

23.50



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						G	PG	G	PG
G2-32	32	64	68	40	20	0.552	0.444	£33.19	£29.30
G2-33	33	66	70	40	20	0.584	0.476	£33.85	£29.89
G2-34	34	68	72	40	20	0.616	0.508	£35.47	£30.55
G2-35	35	70	74	50	20	0.730	0.541	£36.62	£31.16
G2-36	36	72	76	50	20	0.764	0.575	£38.68	£33.09
G2-37	37	74	78	50	20	0.799	0.610	£39.20	£33.76
G2-38	38	76	80	50	20	0.836	0.646	£40.21	£34.52
G2-39	39	78	82	50	20	0.873	0.683	£41.16	£35.22
G2-40	40	80	84	50	20	0.911	0.721	£41.91	£35.89
G2-41	41	82	86	50	20	0.949	0.760	£42.67	£36.45
G2-42	42	84	88	50	20	0.989	0.800	£43.21	£37.06
G2-43	43	86	90	50	20	1.030	0.841	£43.73	£37.65
G2-44	44	88	92	50	20	1.072	0.883	£44.39	£38.17
G2-45	45	90	94	50	20	1.115	0.926	£45.08	£38.72
G2-46	46	92	96	50	20	1.159	0.969	£46.15	£39.68
G2-47	47	94	98	50	20	1.203	1.014	£47.19	£40.59
G2-48	48	96	100	50	20	1.249	1.060	£48.53	£41.57
G2-49	49	98	102	50	20	1.296	1.106	£50.09	£42.99
G2-50	50	100	104	50	20	1.343	1.154	£51.96	£44.38
G2-51	51	102	106	50	20	1.392	1.202	£53.01	£45.19
G2-52	52	104	108	50	20	1.441	1.252	£53.90	£46.05
G2-53	53	106	110	50	20	1.492	1.302	£54.54	£46.88
G2-54	54	108	112	50	20	1.543	1.354	£55.46	£47.66
G2-55	55	110	114	50	20	1.596	1.406	£60.88	£51.04
G2-56	56	112	116	50	20	1.649	1.460	£62.15	£51.61
G2-57	57	114	118	50	20	1.703	1.514	£63.41	£52.23
G2-58	58	116	120	50	20	1.759	1.569	£64.54	£52.87
G2-59	59	118	122	50	20	1.815	1.626	£65.27	£53.46
G2-60	60	120	124	50	20	1.872	1.683	£66.19	£54.07
G2-62	62	124	128	50	20	1.989	1.800	£67.80	£56.12
G2-64	64	128	132	50	20	2.111	1.921	£69.42	£58.18
G2-65	65	130	134	50	20	2.173	1.983	£72.76	£60.21
G2-66	66	132	136	50	20	2.236	2.046	£73.96	£61.22
G2-68	68	136	140	50	20	2.364	2.175	£75.07	£62.26
G2-70	70	140	144	50	20	2.497	2.308	£76.99	£63.27
G2-71	71	142	146	70	20	2.781	2.376	£81.25	£67.66
G2-72	72	144	148	70	20	2.850	2.444	£86.18	£71.82
G2-73	73	146	150	70	20	2.920	2.514	£89.65	£74.72
G2-74	74	148	152	70	20	2.990	2.585	£92.19	£76.84
G2-75	75	150	154	70	20	3.062	2.656	£95.27	£79.36
G2-76	76	152	156	70	20	3.135	2.729	£99.95	£83.29
G2-78	78	156	160	70	20	3.283	2.877	£105.11	£87.60
G2-80	80	160	164	70	20	3.435	3.029	£115.33	£96.13
G2-86	86	172	176	70	20	3.914	3.508	£124.13	£103.39
G2-90	90	180	184	70	20	4.252	3.846	£137.69	£114.77
G2-96	96	192	196	70	20	4.789	4.383	£147.41	£122.83
G2-98	98	196	200	70	20	4.975	4.570	£160.44	£133.69
G2-100	100	200	204	70	20	5.166	4.760	£171.24	£142.67
G2-105	105	210	214	70	20	5.658	5.253	£177.58	£147.97
G2-110	110	220	224	70	20	6.175	5.770	£189.73	£158.11
G2-115	115	230	234	70	20	6.716	6.311	£202.95	£169.12
G2-120	120	240	244	70	20	7.281	6.875	£220.52	£183.76

Spur Gears Steel - Standard MOD 2

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

Heavy duty steel

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

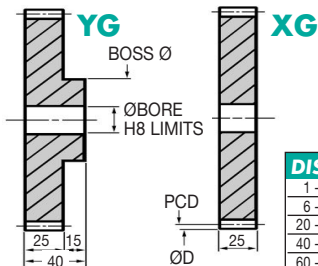
2 MOD

20° P.A.

SPECIAL TEETH : between 9 - 220



TORQUE CHECK 50 teeth x 1000 rpm variations at back	TORQUE Nm. K.W.	655M13 Cse/HD	817M40	817M40 Ind/HD
		70.000	70.000	103.000
		7.430	7.430	10.854



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	
							YG	XG
YG2-9	9	20	24	24	12	0.077	£21.37	£15.97
YG2-10	10	22	26	26	12	0.099	£21.39	£16.04
YG2-11	11	24	28	28	12	0.123	£21.42	£16.09
YG2-12	12	24	28	28	12	0.123	£21.52	£16.14
YG2-13	13	26	30	30	12	0.148	£22.66	£16.94
YG2-14	14	28	32	30	12	0.164	£23.91	£17.89
YG2-15	15	30	34	30	15	0.170	£25.18	£18.83
YG2-16	16	32	36	30	15	0.181	£26.37	£19.73
YG2-17	17	34	38	35	15	0.230	£27.02	£20.20
YG2-18	18	36	40	35	15	0.251	£27.69	£20.73
YG2-19	19	38	42	35	15	0.273	£28.42	£21.32
YG2-20	20	40	44	35	15	0.297	£28.99	£21.70
YG2-21	21	42	46	35	15	0.321	£29.79	£22.30
YG2-22	22	44	48	35	15	0.347	£30.32	£22.71
YG2-23	23	46	50	35	15	0.374	£30.85	£23.15
YG2-24	24	48	52	35	15	0.403	£31.54	£23.64
YG2-25	25	50	54	35	15	0.432	£33.36	£25.03
YG2-26	26	52	56	35	15	0.463	£34.34	£25.76
YG2-27	27	54	58	50	20	0.567	£35.55	£26.66
YG2-28	28	56	60	50	20	0.600	£36.34	£27.24
YG2-29	29	58	62	50	20	0.635	£37.32	£29.26
YG2-30	30	60	64	50	20	0.670	£38.08	£29.43
YG2-31	31	62	66	50	20	0.707	£39.59	£29.68

Spur Gears Steel - Heavy Duty MOD 2

23.52



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						YG	XG	YG	XG
YG2-32	32	64	68	50	20	0.745	0.555	£41.36	£31.01
YG2-33	33	66	70	50	20	0.784	0.594	£42.20	£31.61
YG2-34	34	68	72	50	20	0.824	0.635	£44.27	£33.16
YG2-35	35	70	74	50	20	0.865	0.676	£45.68	£34.23
YG2-36	36	72	76	50	20	0.908	0.719	£48.25	£36.19
YG2-37	37	74	78	50	20	0.952	0.763	£48.90	£36.62
YG2-38	38	76	80	50	20	0.997	0.808	£50.13	£37.60
YG2-39	39	78	82	50	20	1.043	0.854	£51.34	£38.50
YG2-40	40	80	84	50	20	1.091	0.902	£52.29	£39.19
YG2-41	41	82	86	50	20	1.139	0.950	£53.17	£39.92
YG2-42	42	84	88	50	20	1.189	1.000	£53.85	£40.38
YG2-43	43	86	90	60	20	1.340	1.051	£54.53	£40.87
YG2-44	44	88	92	60	20	1.392	1.103	£55.40	£41.52
YG2-45	45	90	94	60	20	1.445	1.157	£56.20	£42.07
YG2-46	46	92	96	60	20	1.500	1.212	£57.52	£43.13
YG2-47	47	94	98	60	20	1.556	1.268	£58.82	£44.12
YG2-48	48	96	100	60	20	1.613	1.325	£60.50	£45.37
YG2-49	49	98	102	60	20	1.671	1.383	£62.39	£46.74
YG2-50	50	100	104	60	20	1.731	1.442	£64.76	£48.53
YG2-51	51	102	106	60	20	1.792	1.503	£66.08	£49.51
YG2-52	52	104	108	60	20	1.853	1.565	£67.19	£50.35
YG2-53	53	106	110	60	20	1.917	1.628	£68.14	£50.92
YG2-54	54	108	112	60	20	1.981	1.692	£69.13	£51.79
YG2-55	55	110	114	60	20	2.046	1.758	£75.85	£56.88
YG2-56	56	112	116	60	20	2.113	1.825	£77.46	£58.09
YG2-57	57	114	118	60	20	2.181	1.893	£79.01	£59.23
YG2-58	58	116	120	60	20	2.250	1.962	£80.46	£60.31
YG2-59	59	118	122	60	20	2.320	2.032	£81.34	£60.98
YG2-60	60	120	124	60	20	2.392	2.104	£82.58	£61.85
YG2-62	62	124	128	75	20	2.721	2.250	£84.50	£63.32
YG2-64	64	128	132	75	20	2.873	2.402	£86.54	£65.06
YG2-65	65	130	134	75	20	2.950	2.479	£90.68	£68.04
YG2-66	66	132	136	75	20	3.029	2.558	£92.19	£69.14
YG2-68	68	136	140	75	20	3.190	2.719	£93.65	£70.23
YG2-70	70	140	144	75	20	3.356	2.885	£95.94	£71.96
YG2-71	71	142	146	75	20	3.441	2.970	£101.25	£75.89
YG2-72	72	144	148	75	20	3.527	3.055	£107.40	£80.54
YG2-73	73	146	150	75	20	3.614	3.143	£111.70	£83.80
YG2-74	74	148	152	75	20	3.702	3.231	£114.88	£86.15
YG2-75	75	150	154	75	20	3.792	3.321	£118.71	£89.01
YG2-76	76	152	156	75	20	3.882	3.411	£124.55	£93.41
YG2-78	78	156	160	100	20	4.462	3.596	£131.03	£97.94
YG2-80	80	160	164	100	20	4.652	3.786	£143.78	£107.78
YG2-86	86	172	176	100	20	5.250	4.385	£154.66	£115.97
YG2-90	90	180	184	100	20	5.673	4.808	£171.62	£128.71
YG2-96	96	192	196	100	20	6.344	5.479	£183.73	£137.79
YG2-98	98	196	200	100	20	6.577	5.712	£198.54	£149.97
YG2-100	100	200	204	100	20	6.815	5.950	£213.37	£160.02
YG2-105	105	210	214	100	20	7.431	6.566	£221.26	£165.96
YG2-110	110	220	224	100	20	8.077	7.212	£236.48	£177.31
YG2-115	115	230	234	100	20	8.754	7.888	£252.85	£189.63
YG2-120	120	240	244	100	20	9.460	8.594	£274.83	£206.09

Spur Gears Steel - Heavy Duty MOD 2

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

Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN

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23.53

Spur Gears

Materials

Plastic Delrin (fully machined)

STD : White Delrin

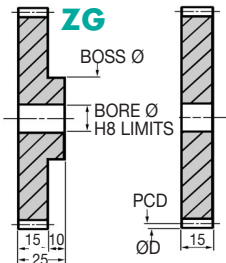
2 MOD

20° P.A.

SPECIAL TEETH : between 9 - 220



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 6.00



DISCOUNTS

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

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
ZG2-9	9	20	24	24	10	0.009	0.005	£8.59	£6.61
ZG2-10	10	22	26	24	10	0.011	0.006	£8.62	£6.64
ZG2-11	11	24	28	24	10	0.012	0.007	£8.66	£6.66
ZG2-12	12	24	28	24	10	0.012	0.007	£8.73	£6.70
ZG2-13	13	26	30	24	10	0.014	0.009	£9.08	£6.99
ZG2-14	14	28	32	24	10	0.015	0.010	£9.60	£7.16
ZG2-15	15	30	34	25	12	0.016	0.011	£10.12	£7.38
ZG2-16	16	32	36	27	12	0.019	0.013	£10.94	£7.43
ZG2-17	17	34	38	30	12	0.023	0.015	£11.28	£7.45
ZG2-18	18	36	40	30	12	0.025	0.017	£11.76	£7.88
ZG2-19	19	38	42	30	12	0.027	0.020	£12.16	£8.12
ZG2-20	20	40	44	30	12	0.030	0.022	£12.52	£8.36
ZG2-21	21	42	46	30	12	0.032	0.025	£15.00	£11.49
ZG2-22	22	44	48	35	12	0.038	0.027	£15.23	£11.67
ZG2-23	23	46	50	35	12	0.041	0.030	£15.55	£11.91
ZG2-24	24	48	52	35	12	0.044	0.033	£15.93	£12.16
ZG2-25	25	50	54	35	12	0.047	0.036	£20.20	£15.47
ZG2-26	26	52	56	35	12	0.050	0.039	£20.82	£15.95
ZG2-27	27	54	58	35	12	0.053	0.042	£21.60	£16.53
ZG2-28	28	56	60	35	12	0.056	0.045	£22.05	£16.92
ZG2-29	29	58	62	35	12	0.060	0.049	£22.66	£18.13
ZG2-30	30	60	64	35	12	0.063	0.052	£26.16	£20.08
ZG2-31	31	62	66	35	12	0.067	0.056	£27.21	£20.88

Spur Gears Plastic MOD 2

23.54



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1-5	
						ZG	ZPG	ZG	ZPG
ZG2-32	32	64	68	35	12	0.071	0.060	£28.48	£21.74
ZG2-33	33	66	70	35	12	0.075	0.064	£28.98	£22.26
ZG2-34	34	68	72	35	12	0.079	0.068	£30.44	£23.30
ZG2-35	35	70	74	35	12	0.083	0.072	£31.35	£24.03
ZG2-36	36	72	76	45	15	0.093	0.075	£33.17	£25.42
ZG2-37	37	74	78	45	15	0.098	0.080	£35.59	£27.30
ZG2-38	38	76	80	45	15	0.102	0.084	£36.49	£27.96
ZG2-39	39	78	82	45	15	0.107	0.089	£37.34	£28.66
ZG2-40	40	80	84	45	15	0.112	0.094	£38.05	£29.26
ZG2-41	41	82	86	45	15	0.117	0.098	£38.80	£29.72
ZG2-42	42	84	88	45	15	0.122	0.103	£39.22	£30.08
ZG2-43	43	86	90	45	15	0.127	0.109	£39.69	£30.44
ZG2-44	44	88	92	45	15	0.132	0.114	£44.79	£34.35
ZG2-45	45	90	94	45	15	0.137	0.119	£45.51	£34.90
ZG2-46	46	92	96	45	15	0.143	0.125	£46.50	£35.70
ZG2-47	47	94	98	45	15	0.149	0.130	£47.64	£36.49
ZG2-48	48	96	100	45	15	0.154	0.136	£53.89	£41.36
ZG2-49	49	98	102	45	15	0.160	0.142	£55.55	£42.60
ZG2-50	50	100	104	45	15	0.166	0.148	£57.66	£44.26
ZG2-51	51	102	106	45	15	0.172	0.154	£58.87	£45.15
ZG2-52	52	104	108	45	15	0.179	0.160	£59.85	£45.90
ZG2-53	53	106	110	45	15	0.185	0.167	£60.52	£46.36
ZG2-54	54	108	112	45	15	0.191	0.173	£61.52	£47.20
ZG2-55	55	110	114	45	15	0.198	0.180	£67.56	£51.81
ZG2-56	56	112	116	45	15	0.205	0.187	£69.02	£52.88
ZG2-57	57	114	118	45	15	0.212	0.193	£70.37	£53.96
ZG2-58	58	116	120	45	15	0.219	0.200	£78.16	£59.99
ZG2-59	59	118	122	60	15	0.242	0.208	£79.10	£60.72
ZG2-60	60	120	124	60	15	0.249	0.215	£80.16	£61.48
ZG2-62	62	124	128	60	15	0.264	0.230	£82.08	£63.00
ZG2-64	64	128	132	60	15	0.279	0.245	£84.09	£64.52
ZG2-65	65	130	134	60	15	0.287	0.253	£88.13	£67.56
ZG2-66	66	132	136	60	15	0.295	0.261	£89.61	£68.71
ZG2-68	68	136	140	60	15	0.311	0.277	£98.65	£75.72
ZG2-70	70	140	144	60	15	0.328	0.294	£101.01	£77.46
ZG2-71	71	142	146	60	15	0.336	0.302	£106.61	£81.79
ZG2-72	72	144	148	60	15	0.345	0.311	£113.09	£86.77
ZG2-73	73	146	150	60	15	0.354	0.320	£117.64	£90.27
ZG2-74	74	148	152	60	15	0.363	0.328	£120.91	£92.79
ZG2-75	75	150	154	60	15	0.372	0.337	£124.98	£95.92
ZG2-76	76	152	156	60	15	0.381	0.347	£131.12	£100.66
ZG2-78	78	156	160	60	15	0.399	0.365	£159.16	£122.08
ZG2-80	80	160	164	60	15	0.419	0.384	£174.60	£133.95
ZG2-86	86	172	176	60	15	0.479	0.445	£187.92	£144.14
ZG2-90	90	180	184	60	15	0.522	0.487	£208.44	£159.99
ZG2-96	96	192	196	60	15	0.589	0.555	£223.17	£171.24

'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.

