

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

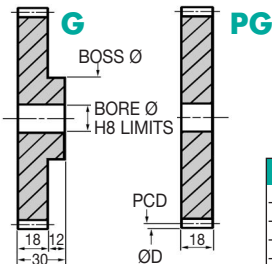
ALTERNATIVE : Brass, Tufnol or Delrin

1.75 MOD 20° P.A.

SPECIAL TEETH : between 9 - 250



TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations	16.000	75.000	8.000	6.400
at back	K.W.	1.720	0.860	0.670



DISCOUNTS

Quantity	List Price
1 - 5	
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	
						G	PG	G	PG
G1.75-9	9	17.50	21.00	21.00	10	0.047	0.022	£13.65	£11.12
G1.75-10	10	19.25	22.75	22.75	10	0.059	0.029	£13.70	£11.36
G1.75-11	11	21.00	24.50	24.50	10	0.073	0.037	£13.74	£11.65
G1.75-12	12	21.00	24.50	24.50	10	0.073	0.037	£13.77	£11.70
G1.75-13	13	22.75	26.25	25.00	10	0.083	0.045	£14.13	£12.04
G1.75-14	14	24.50	28.00	25.00	10	0.092	0.054	£14.95	£12.68
G1.75-15	15	26.25	29.75	25.00	10	0.102	0.064	£15.55	£13.26
G1.75-16	16	28.00	31.50	25.00	12	0.104	0.069	£15.87	£13.46
G1.75-17	17	29.75	33.25	25.00	12	0.115	0.080	£16.27	£13.82
G1.75-18	18	31.50	35.00	25.00	12	0.126	0.092	£16.98	£14.44
G1.75-19	19	33.25	36.75	25.00	12	0.139	0.104	£17.67	£15.02
G1.75-20	20	35.00	38.50	30.00	12	0.171	0.117	£18.88	£16.05
G1.75-21	21	36.75	40.25	30.00	12	0.185	0.131	£19.33	£16.44
G1.75-22	22	38.50	42.00	30.00	12	0.199	0.145	£19.62	£16.68
G1.75-23	23	40.25	43.75	30.00	12	0.214	0.160	£20.64	£17.51
G1.75-24	24	42.00	45.50	30.00	12	0.230	0.175	£21.58	£18.29
G1.75-25	25	43.75	47.25	30.00	12	0.246	0.191	£21.70	£18.43
G1.75-26	26	45.50	49.00	30.00	12	0.263	0.208	£21.85	£18.61
G1.75-27	27	47.25	50.75	30.00	12	0.280	0.226	£22.21	£18.83
G1.75-28	28	49.00	52.50	40.00	15	0.335	0.235	£22.30	£19.07
G1.75-29	29	50.75	54.25	40.00	15	0.353	0.254	£22.49	£19.15
G1.75-30	30	52.50	56.00	40.00	15	0.373	0.274	£23.15	£19.66
G1.75-31	31	54.25	57.75	40.00	15	0.393	0.294	£23.64	£20.09

Spur Gears Steel - Standard MOD 1.75

23.46



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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
G1.75-32	32	56.00	59.50	40	15	0.414	0.315	£23.88	£20.25
G1.75-33	33	57.75	61.25	40	15	0.436	0.336	£23.99	£20.42
G1.75-34	34	59.50	63.00	40	15	0.458	0.359	£24.40	£20.70
G1.75-35	35	61.25	64.75	40	15	0.481	0.382	£24.45	£20.82
G1.75-36	36	63.00	66.50	50	15	0.569	0.405	£25.31	£21.48
G1.75-37	37	64.75	68.25	50	15	0.593	0.429	£26.44	£22.45
G1.75-38	38	66.50	70.00	50	15	0.618	0.454	£27.02	£22.94
G1.75-39	39	68.25	71.75	50	15	0.644	0.480	£27.79	£23.60
G1.75-40	40	70.00	73.50	50	15	0.670	0.506	£28.42	£24.10
G1.75-41	41	71.75	75.25	50	15	0.697	0.533	£28.84	£24.51
G1.75-42	42	73.50	77.00	50	15	0.724	0.560	£29.43	£25.07
G1.75-43	43	75.25	78.75	50	15	0.752	0.588	£30.57	£25.97
G1.75-44	44	77.00	80.50	50	15	0.781	0.617	£31.01	£26.32
G1.75-45	45	78.75	82.25	60	20	0.858	0.628	£31.43	£26.69
G1.75-46	46	80.50	84.00	60	20	0.889	0.658	£32.04	£27.24
G1.75-47	47	82.25	85.75	60	20	0.919	0.689	£32.63	£27.69
G1.75-48	48	84.00	87.50	60	20	0.951	0.720	£33.50	£28.48
G1.75-49	49	85.75	89.25	60	20	0.983	0.752	£34.75	£29.52
G1.75-50	50	87.50	91.00	60	20	1.016	0.785	£35.15	£29.85
G1.75-51	51	89.25	92.75	60	20	1.049	0.818	£36.03	£30.57
G1.75-52	52	91.00	94.50	60	20	1.083	0.853	£36.93	£31.33
G1.75-53	53	92.75	96.25	60	20	1.118	0.887	£37.84	£32.15
G1.75-54	54	94.50	98.00	80	20	1.356	0.923	£40.87	£34.63
G1.75-55	55	96.25	99.75	80	20	1.392	0.959	£42.07	£35.82
G1.75-56	56	98.00	101.50	80	20	1.428	0.996	£43.91	£37.32
G1.75-57	57	99.75	103.25	80	20	1.466	1.033	£45.35	£38.50
G1.75-58	58	101.50	105.00	80	20	1.504	1.071	£46.69	£39.68
G1.75-59	59	103.25	106.75	80	20	1.543	1.110	£48.21	£40.95
G1.75-60	60	105.00	108.50	80	20	1.582	1.149	£50.15	£42.58
G1.75-62	62	108.50	112.00	80	20	1.663	1.230	£51.37	£43.66
G1.75-64	64	112.00	115.50	80	20	1.746	1.314	£52.87	£44.97
G1.75-65	65	113.75	117.25	80	20	1.789	1.356	£54.56	£46.36
G1.75-66	66	115.50	119.00	80	20	1.833	1.400	£56.21	£47.78
G1.75-68	68	119.00	122.50	80	20	1.921	1.489	£57.87	£49.18
G1.75-70	70	122.50	126.00	100	20	2.272	1.580	£59.46	£50.49
G1.75-71	71	124.25	127.75	100	20	2.319	1.627	£60.31	£51.23
G1.75-72	72	126.00	129.50	100	20	2.367	1.674	£61.46	£52.19
G1.75-73	73	127.75	131.25	100	20	2.415	1.722	£62.32	£53.01
G1.75-74	74	129.50	133.00	100	20	2.463	1.771	£63.27	£53.81
G1.75-75	75	131.25	134.75	100	20	2.513	1.820	£64.19	£54.54
G1.75-76	76	133.00	136.50	100	20	2.563	1.870	£65.17	£55.40
G1.75-78	78	136.50	140.00	100	20	2.665	1.972	£70.23	£59.65
G1.75-80	80	140.00	143.50	100	20	2.769	2.077	£74.37	£63.14
G1.75-86	86	150.50	154.00	100	20	3.099	2.407	£83.61	£71.07
G1.75-90	90	157.50	161.00	100	20	3.333	2.640	£91.52	£76.36
G1.75-96	96	168.00	171.50	100	20	3.702	3.010	£101.27	£86.36
G1.75-98	98	171.50	175.00	100	20	3.831	3.139	£105.39	£89.57
G1.75-100	100	175.00	178.50	100	20	3.962	3.270	£110.00	£93.49
G1.75-105	105	183.75	187.25	100	20	4.302	3.609	£115.73	£95.16
G1.75-110	110	192.50	196.00	100	20	4.658	3.965	£120.77	£97.09
G1.75-115	115	201.25	204.75	100	20	5.031	4.338	£127.84	£108.68
G1.75-120	120	210.00	213.50	100	20	5.420	4.727	£134.43	£114.30

Spur Gears Steel - Standard MOD 1.75

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)

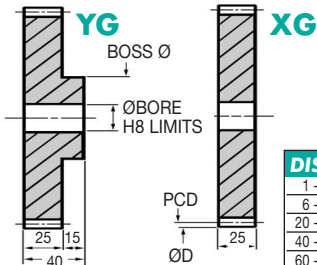
1.75 MOD 20° P.A.

SPECIAL TEETH : between 9 - 250



TORQUE CHECK 50 teeth x 1000 rpm	655M13	655M13 Cse/HD	817M40	817M40 Ind/HD
variations	48.000	132.000	48.000	69.000
at back	K.W.	13.801	4.998	7.162

Spur Gears Steel - Heavy Duty MOD 1.75



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	YG	XG
YG1.75-9	9	17.50	21.00	21.00	10	0.062	0.031	£17.28	£14.67
YG1.75-10	10	19.25	22.75	22.75	10	0.078	0.041	£17.30	£14.69
YG1.75-11	11	21.00	24.50	24.50	10	0.096	0.051	£17.34	£14.73
YG1.75-12	12	21.00	24.50	24.50	10	0.096	0.051	£17.38	£14.77
YG1.75-13	13	22.75	26.25	25.00	10	0.110	0.063	£17.76	£15.04
YG1.75-14	14	24.50	28.00	25.00	10	0.122	0.075	£18.69	£15.87
YG1.75-15	15	26.25	29.75	25.00	10	0.136	0.089	£19.50	£16.56
YG1.75-16	16	28.00	31.50	25.00	12	0.140	0.096	£19.85	£16.90
YG1.75-17	17	29.75	33.25	25.00	12	0.155	0.111	£20.42	£17.31
YG1.75-18	18	31.50	35.00	25.00	12	0.171	0.127	£21.32	£18.09
YG1.75-19	19	33.25	36.75	25.00	12	0.188	0.144	£22.14	£18.79
YG1.75-20	20	35.00	38.50	30.00	12	0.231	0.162	£23.67	£20.09
YG1.75-21	21	36.75	40.25	30.00	12	0.249	0.181	£24.21	£20.59
YG1.75-22	22	38.50	42.00	30.00	12	0.269	0.201	£24.58	£20.88
YG1.75-23	23	40.25	43.75	30.00	12	0.290	0.222	£25.81	£21.96
YG1.75-24	24	42.00	45.50	30.00	12	0.312	0.243	£27.02	£22.90
YG1.75-25	25	43.75	47.25	30.00	12	0.334	0.266	£27.18	£23.08
YG1.75-26	26	45.50	49.00	30.00	12	0.358	0.289	£27.33	£23.22
YG1.75-27	27	47.25	50.75	30.00	12	0.382	0.314	£27.79	£23.60
YG1.75-28	28	49.00	52.50	40.00	15	0.451	0.327	£27.91	£23.71
YG1.75-29	29	50.75	54.25	40.00	15	0.477	0.353	£28.15	£23.92
YG1.75-30	30	52.50	56.00	40.00	15	0.504	0.380	£28.97	£24.61
YG1.75-31	31	54.25	57.75	40.00	15	0.532	0.408	£29.60	£25.12

23.48



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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
YG1.75-32	32	56.00	59.50	40	15	0.561	0.437	£29.89	£25.40
YG1.75-33	33	57.75	61.25	40	15	0.591	0.467	£30.05	£25.58
YG1.75-34	34	59.50	63.00	40	15	0.622	0.498	£30.55	£25.97
YG1.75-35	35	61.25	64.75	40	15	0.654	0.530	£30.61	£26.00
YG1.75-36	36	63.00	66.50	50	15	0.768	0.563	£31.62	£26.89
YG1.75-37	37	64.75	68.25	50	15	0.801	0.596	£33.06	£28.04
YG1.75-38	38	66.50	70.00	50	15	0.836	0.631	£33.85	£28.37
YG1.75-39	39	68.25	71.75	50	15	0.871	0.666	£34.77	£29.53
YG1.75-40	40	70.00	73.50	50	15	0.908	0.702	£35.54	£30.18
YG1.75-41	41	71.75	75.25	50	15	0.945	0.740	£36.04	£30.72
YG1.75-42	42	73.50	77.00	50	15	0.983	0.778	£36.91	£31.32
YG1.75-43	43	75.25	78.75	50	15	1.022	0.817	£38.27	£32.53
YG1.75-44	44	77.00	80.50	50	15	1.062	0.857	£38.80	£32.98
YG1.75-45	45	78.75	82.25	60	20	1.160	0.872	£39.34	£33.43
YG1.75-46	46	80.50	84.00	60	20	1.202	0.914	£40.05	£34.03
YG1.75-47	47	82.25	85.75	60	20	1.245	0.956	£40.84	£34.63
YG1.75-48	48	84.00	87.50	60	20	1.289	1.000	£41.91	£35.59
YG1.75-49	49	85.75	89.25	60	20	1.333	1.045	£43.46	£36.93
YG1.75-50	50	87.50	91.00	60	20	1.379	1.090	£43.97	£37.35
YG1.75-51	51	89.25	92.75	60	20	1.425	1.137	£45.08	£38.31
YG1.75-52	52	91.00	94.50	60	20	1.473	1.184	£46.18	£39.22
YG1.75-53	53	92.75	96.25	60	20	1.521	1.232	£47.35	£40.22
YG1.75-54	54	94.50	98.00	80	20	1.823	1.282	£51.09	£43.21
YG1.75-55	55	96.25	99.75	80	20	1.873	1.332	£52.69	£44.72
YG1.75-56	56	98.00	101.50	80	20	1.924	1.383	£54.92	£46.65
YG1.75-57	57	99.75	103.25	80	20	1.976	1.435	£56.66	£48.13
YG1.75-58	58	101.50	105.00	80	20	2.029	1.488	£58.43	£49.67
YG1.75-59	59	103.25	106.75	80	20	2.083	1.542	£60.31	£51.23
YG1.75-60	60	105.00	108.50	80	20	2.137	1.596	£62.72	£53.29
YG1.75-62	62	108.50	112.00	80	20	2.250	1.709	£64.26	£54.57
YG1.75-64	64	112.00	115.50	80	20	2.366	1.825	£66.12	£56.20
YG1.75-65	65	113.75	117.25	80	20	2.425	1.884	£68.23	£58.01
YG1.75-66	66	115.50	119.00	80	20	2.485	1.944	£70.28	£59.72
YG1.75-68	68	119.00	122.50	80	20	2.608	2.068	£72.38	£61.49
YG1.75-70	70	122.50	126.00	100	20	3.060	2.195	£74.33	£63.14
YG1.75-71	71	124.25	127.75	100	20	3.125	2.259	£75.40	£64.10
YG1.75-72	72	126.00	129.50	100	20	3.191	2.325	£76.82	£65.25
YG1.75-73	73	127.75	131.25	100	20	3.257	2.392	£77.93	£66.23
YG1.75-74	74	129.50	133.00	100	20	3.325	2.460	£79.14	£67.28
YG1.75-75	75	131.25	134.75	100	20	3.394	2.528	£80.28	£68.20
YG1.75-76	76	133.00	136.50	100	20	3.463	2.598	£81.46	£69.25
YG1.75-78	78	136.50	140.00	100	20	3.605	2.739	£87.79	£74.61
YG1.75-80	80	140.00	143.50	100	20	3.750	2.885	£92.99	£78.99
YG1.75-86	86	150.50	154.00	100	20	4.209	3.343	£104.55	£88.84
YG1.75-90	90	157.50	161.00	100	20	4.532	3.667	£114.47	£97.28
YG1.75-96	96	168.00	171.50	100	20	5.046	4.181	£126.95	£107.92
YG1.75-98	98	171.50	175.00	100	20	5.225	4.359	£131.77	£112.00
YG1.75-100	100	175.00	178.50	100	20	5.407	4.541	£137.51	£116.91
YG1.75-105	105	183.75	187.25	100	20	5.878	5.013	£144.66	£122.97
YG1.75-110	110	192.50	196.00	100	20	6.373	5.508	£150.97	£128.30
YG1.75-115	115	201.25	204.75	100	20	6.891	6.025	£159.88	£135.86
YG1.75-120	120	210.00	213.50	100	20	7.431	6.566	£168.09	£142.91

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

