

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

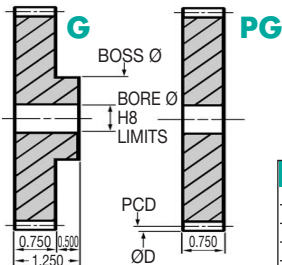
12 DP

20° P.A.

SPECIAL TEETH : between 9 - 210



TORQUE CHECK 50 teeth x 1000 rpm variations of back K.W.	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
	25.100	119.000	12.500	10.000
	2.611	12.510	1.320	1.044



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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						G	PG
G12-9	9	0.833	1.000	1.000	0.375	£17.13	£14.25
G12-10	10	0.917	1.083	1.083	0.375	£17.15	£14.26
G12-11	11	1.000	1.167	1.167	0.375	£17.18	£14.27
G12-12	12	1.000	1.167	0.937	0.500	£17.24	£14.29
G12-13	13	1.083	1.250	0.937	0.500	£18.13	£15.19
G12-14	14	1.167	1.333	0.937	0.500	£19.16	£16.12
G12-15	15	1.250	1.417	0.937	0.500	£20.16	£17.13
G12-16	16	1.333	1.500	0.937	0.500	£21.15	£17.99
G12-17	17	1.417	1.583	0.937	0.500	£21.77	£18.50
G12-18	18	1.500	1.667	1.250	0.625	£22.26	£19.00
G12-19	19	1.583	1.750	1.250	0.625	£22.78	£19.36
G12-20	20	1.667	1.833	1.250	0.625	£23.25	£19.85
G12-21	21	1.750	1.917	1.250	0.625	£24.21	£20.88
G12-22	22	1.833	2.000	1.250	0.625	£25.31	£21.84
G12-23	23	1.917	2.083	1.250	0.625	£26.12	£22.79
G12-24	24	2.000	2.167	1.250	0.625	£27.33	£23.67
G12-25	25	2.083	2.250	1.250	0.625	£27.69	£24.21
G12-26	26	2.167	2.333	1.250	0.625	£28.50	£24.85
G12-27	27	2.250	2.417	1.250	0.625	£29.37	£25.58
G12-28	28	2.333	2.500	1.250	0.625	£30.00	£26.00
G12-29	29	2.417	2.583	1.250	0.625	£30.79	£26.70
G12-30	30	2.500	2.667	1.250	0.625	£31.34	£27.40
G12-31	31	2.583	2.750	1.250	0.625	£32.33	£28.39

Spur Gears Steel - Standard DP 12

23.132



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						G	PG
G12-32	32	2.667	2.833	1.250	0.625	£33.47	£29.30
G12-33	33	2.750	2.917	1.250	0.625	£36.62	£31.16
G12-34	34	2.833	3.000	1.250	0.625	£38.12	£32.02
G12-35	35	2.917	3.083	1.250	0.625	£38.99	£32.61
G12-36	36	3.000	3.167	1.500	0.625	£39.79	£33.09
G12-37	37	3.083	3.250	1.500	0.625	£40.84	£33.99
G12-38	38	3.167	3.333	1.500	0.625	£41.63	£34.77
G12-39	39	3.250	3.417	1.500	0.625	£42.97	£35.89
G12-40	40	3.333	3.500	1.500	0.625	£46.17	£38.72
G12-41	41	3.417	3.583	1.500	0.625	£46.54	£39.04
G12-42	42	3.500	3.667	1.500	0.625	£47.02	£39.27
G12-43	43	3.583	3.750	1.500	0.625	£47.47	£39.68
G12-44	44	3.667	3.833	1.500	0.625	£47.78	£40.15
G12-45	45	3.750	3.917	1.500	0.625	£48.21	£40.56
G12-46	46	3.833	4.000	1.500	0.625	£48.53	£40.75
G12-47	47	3.917	4.083	1.500	0.625	£48.97	£41.15
G12-48	48	4.000	4.167	1.500	0.625	£49.27	£41.57
G12-49	49	4.083	4.250	1.500	0.625	£50.64	£42.58
G12-50	50	4.167	4.333	1.500	0.625	£51.69	£43.36
G12-51	51	4.250	4.417	1.500	0.625	£52.79	£44.38
G12-52	52	4.333	4.500	1.500	0.625	£54.20	£45.96
G12-53	53	4.417	4.583	1.500	0.625	£55.45	£46.88
G12-54	54	4.500	4.667	1.500	0.625	£56.20	£47.66
G12-55	55	4.583	4.750	1.500	0.625	£57.41	£49.24
G12-56	56	4.667	4.833	1.500	0.625	£58.65	£49.97
G12-57	57	4.750	4.917	1.750	0.750	£59.67	£51.04
G12-58	58	4.833	5.000	1.750	0.750	£61.12	£52.08
G12-59	59	4.917	5.083	1.750	0.750	£62.97	£53.01
G12-60	60	5.000	5.167	1.750	0.750	£65.09	£54.07
G12-62	62	5.167	5.333	1.750	0.750	£68.19	£55.50
G12-64	64	5.333	5.500	1.750	0.750	£70.43	£57.13
G12-65	65	5.417	5.583	1.750	0.750	£72.94	£58.57
G12-66	66	5.500	5.667	1.750	0.750	£75.44	£60.17
G12-68	68	5.667	5.833	1.750	0.750	£76.37	£61.12
G12-70	70	5.833	6.000	1.750	0.750	£78.45	£61.84
G12-71	71	5.917	6.083	1.750	0.750	£79.36	£62.46
G12-72	72	6.000	6.167	1.750	0.750	£81.25	£63.21
G12-73	73	6.083	6.250	2.000	0.750	£86.18	£68.95
G12-74	74	6.167	6.333	2.000	0.750	£90.40	£72.25
G12-75	75	6.250	6.417	2.000	0.750	£94.82	£75.85
G12-76	76	6.333	6.500	2.000	0.750	£98.65	£78.90
G12-78	78	6.500	6.667	2.000	0.750	£107.71	£86.15
G12-80	80	6.667	6.833	2.000	0.750	£115.33	£92.23
G12-86	86	7.167	7.333	2.000	0.750	£124.18	£99.30
G12-90	90	7.500	7.667	2.000	0.750	£132.34	£105.88
G12-96	96	8.000	8.167	2.000	0.750	£139.54	£111.64
G12-98	98	8.167	8.333	2.000	0.750	£147.41	£117.94
G12-100	100	8.333	8.500	2.000	0.750	£160.56	£128.45
G12-105	105	8.750	8.917	2.000	0.750	£175.13	£140.06
G12-110	110	9.167	9.333	2.000	0.750	£188.31	£150.64
G12-115	115	9.583	9.750	2.000	0.750	£202.95	£162.33
G12-120	120	10.000	10.167	2.000	0.750	£218.84	£175.07

Spur Gears Steel - Standard DP 12

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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23.133

Spur Gears

Materials

Heavy duty steel

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

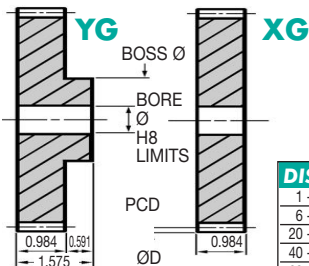
12 DP

20° P.A.

SPECIAL TEETH : between 9 - 210



TORQUE CHECK 50 teeth x 1000 rpm	655M13	655M13 Cse/HD	817M40	817M40 Ind/HD
variations of back	70.000	195.000	70.000	103.000
TORQUE Nm.				
K.W.	7.430	20.142	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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						YG	XG
YG12-9	9	0.833	1.000	1.000	0.375	£21.37	£15.97
YG12-10	10	0.917	1.083	1.083	0.375	£21.38	£15.98
YG12-11	11	1.000	1.167	1.167	0.375	£21.39	£16.04
YG12-12	12	1.000	1.167	1.167	0.500	£21.41	£16.05
YG12-13	13	1.083	1.250	1.250	0.500	£22.66	£16.94
YG12-14	14	1.167	1.333	1.333	0.500	£23.91	£17.89
YG12-15	15	1.250	1.417	1.378	0.500	£25.18	£18.83
YG12-16	16	1.333	1.500	1.378	0.500	£26.37	£19.73
YG12-17	17	1.417	1.583	1.378	0.500	£27.18	£20.36
YG12-18	18	1.500	1.667	1.378	0.625	£27.69	£20.73
YG12-19	19	1.583	1.750	1.378	0.625	£28.42	£21.32
YG12-20	20	1.667	1.833	1.378	0.625	£28.99	£21.70
YG12-21	21	1.750	1.917	1.378	0.625	£30.18	£22.66
YG12-22	22	1.833	2.000	1.378	0.625	£31.54	£23.64
YG12-23	23	1.917	2.083	1.378	0.625	£32.60	£24.40
YG12-24	24	2.000	2.167	1.378	0.625	£34.06	£25.58
YG12-25	25	2.083	2.250	1.378	0.625	£34.56	£25.93
YG12-26	26	2.167	2.333	1.969	0.625	£35.55	£26.61
YG12-27	27	2.250	2.417	1.969	0.625	£36.67	£27.43
YG12-28	28	2.333	2.500	1.969	0.625	£37.35	£28.01
YG12-29	29	2.417	2.583	1.969	0.625	£38.40	£28.79
YG12-30	30	2.500	2.667	1.969	0.625	£39.19	£29.33
YG12-31	31	2.583	2.750	1.969	0.625	£40.34	£30.22

Spur Gears Steel - Heavy Duty DP 12

23.134



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						YG	XG
YG12-32	32	2.667	2.833	1.969	0.625	£41.71	£31.26
YG12-33	33	2.750	2.917	1.969	0.625	£45.68	£34.23
YG12-34	34	2.833	3.000	1.969	0.625	£47.51	£35.59
YG12-35	35	2.917	3.083	1.969	0.625	£48.53	£36.37
YG12-36	36	3.000	3.167	1.969	0.625	£49.67	£37.21
YG12-37	37	3.083	3.250	1.969	0.625	£50.89	£38.14
YG12-38	38	3.167	3.333	1.969	0.625	£51.93	£34.68
YG12-39	39	3.250	3.417	1.969	0.625	£53.53	£40.15
YG12-40	40	3.333	3.500	2.362	0.625	£57.54	£43.14
YG12-41	41	3.417	3.583	2.362	0.625	£58.01	£43.49
YG12-42	42	3.500	3.667	2.362	0.625	£58.62	£43.96
YG12-43	43	3.583	3.750	2.362	0.625	£59.15	£44.35
YG12-44	44	3.667	3.833	2.362	0.625	£59.60	£44.65
YG12-45	45	3.750	3.917	2.362	0.625	£60.09	£45.04
YG12-46	46	3.833	4.000	2.362	0.625	£60.50	£45.37
YG12-47	47	3.917	4.083	2.362	0.625	£61.00	£45.77
YG12-48	48	4.000	4.167	2.362	0.625	£61.49	£46.12
YG12-49	49	4.083	4.250	2.362	0.625	£63.11	£47.33
YG12-50	50	4.167	4.333	2.362	0.625	£64.51	£48.34
YG12-51	51	4.250	4.417	2.362	0.625	£65.76	£49.35
YG12-52	52	4.333	4.500	2.362	0.625	£67.56	£50.65
YG12-53	53	4.417	4.583	2.362	0.625	£69.03	£51.77
YG12-54	54	4.500	4.667	2.362	0.625	£70.08	£52.51
YG12-55	55	4.583	4.750	2.362	0.625	£71.56	£53.65
YG12-56	56	4.667	4.833	2.362	0.625	£73.19	£54.89
YG12-57	57	4.750	4.917	2.953	0.750	£74.41	£55.81
YG12-58	58	4.833	5.000	2.953	0.750	£76.17	£57.12
YG12-59	59	4.917	5.083	2.953	0.750	£78.49	£58.87
YG12-60	60	5.000	5.167	2.953	0.750	£81.20	£60.82
YG12-62	62	5.167	5.333	2.953	0.750	£85.05	£63.75
YG12-64	64	5.333	5.500	2.953	0.750	£87.81	£65.85
YG12-65	65	5.417	5.583	2.953	0.750	£90.86	£68.15
YG12-66	66	5.500	5.667	2.953	0.750	£94.02	£70.54
YG12-68	68	5.667	5.833	2.953	0.750	£95.24	£71.43
YG12-70	70	5.833	6.000	2.953	0.750	£97.77	£73.34
YG12-71	71	5.917	6.083	2.953	0.750	£98.88	£74.13
YG12-72	72	6.000	6.167	2.953	0.750	£101.25	£75.89
YG12-73	73	6.083	6.250	3.937	0.750	£107.40	£80.54
YG12-74	74	6.167	6.333	3.937	0.750	£112.60	£84.42
YG12-75	75	6.250	6.417	3.937	0.750	£118.19	£88.63
YG12-76	76	6.333	6.500	3.937	0.750	£122.97	£92.19
YG12-78	78	6.500	6.667	3.937	0.750	£134.21	£100.67
YG12-80	80	6.667	6.833	3.937	0.750	£143.78	£107.78
YG12-86	86	7.167	7.333	3.937	0.750	£154.72	£116.08
YG12-90	90	7.500	7.667	3.937	0.750	£164.97	£123.71
YG12-96	96	8.000	8.167	3.937	0.750	£173.89	£130.40
YG12-98	98	8.167	8.333	3.937	0.750	£183.73	£137.79
YG12-100	100	8.333	8.500	3.937	0.750	£200.09	£150.06
YG12-105	105	8.750	8.917	3.937	0.750	£218.29	£163.67
YG12-110	110	9.167	9.333	3.937	0.750	£234.67	£175.99
YG12-115	115	9.583	9.750	3.937	0.750	£252.85	£189.63
YG12-120	120	10.000	10.167	3.937	0.750	£272.67	£204.50

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

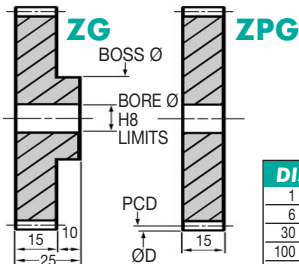
12 DP

20° P.A.

SPECIAL TEETH : between 9 - 210



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



DISCOUNTS	
1 - 5	List Price
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 (ins)	ØD (ins)	BOSS Ø (mm)	BORE Ø (mm)	PRICE EACH 1-5	
						ZG	ZPG
ZG12-9	9	0.833	1.000	24	10	£8.02	£6.14
ZG12-10	10	0.917	1.083	24	10	£8.06	£6.14
ZG12-11	11	1.000	1.167	24	10	£8.07	£6.16
ZG12-12	12	1.000	1.167	24	10	£8.08	£6.21
ZG12-13	13	1.083	1.250	24	10	£9.32	£7.14
ZG12-14	14	1.167	1.333	24	10	£9.94	£7.63
ZG12-15	15	1.250	1.417	30	12	£10.42	£8.01
ZG12-16	16	1.333	1.500	30	12	£12.43	£9.51
ZG12-17	17	1.417	1.583	30	12	£13.03	£10.01
ZG12-18	18	1.500	1.667	30	12	£13.39	£10.25
ZG12-19	19	1.583	1.750	30	12	£13.64	£10.47
ZG12-20	20	1.667	1.833	30	12	£14.25	£10.82
ZG12-21	21	1.750	1.917	30	12	£17.87	£13.68
ZG12-22	22	1.833	2.000	30	12	£18.47	£14.13
ZG12-23	23	1.917	2.083	30	12	£19.33	£14.78
ZG12-24	24	2.000	2.167	30	12	£19.60	£15.00
ZG12-25	25	2.083	2.250	30	12	£20.11	£15.42
ZG12-26	26	2.167	2.333	30	12	£23.54	£18.04
ZG12-27	27	2.250	2.417	30	12	£24.02	£18.40
ZG12-28	28	2.333	2.500	30	12	£25.13	£19.25
ZG12-29	29	2.417	2.583	30	12	£25.95	£19.85
ZG12-30	30	2.500	2.667	30	12	£26.80	£20.55
ZG12-31	31	2.583	2.750	30	12	£29.32	£22.47

Spur Gears Plastic - Fully Machined DP 12

23.136



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (mm)	BORE Ø (mm)	PRICE EACH 1-5	
						ZG	ZPG
ZG12-32	32	2.667	2.833	30	12	£32.32	£24.74
ZG12-33	33	2.750	2.917	30	12	£33.07	£25.33
ZG12-34	34	2.833	3.000	30	12	£33.78	£25.86
ZG12-35	35	2.917	3.083	30	12	£34.61	£26.55
ZG12-36	36	3.000	3.167	35	15	£36.45	£27.96
ZG12-37	37	3.083	3.250	35	15	£39.20	£30.04
ZG12-38	38	3.167	3.333	35	15	£43.97	£33.64
ZG12-39	39	3.250	3.417	35	15	£44.33	£33.97
ZG12-40	40	3.333	3.500	35	15	£44.73	£34.33
ZG12-41	41	3.417	3.583	35	15	£49.60	£38.03
ZG12-42	42	3.500	3.667	35	15	£50.00	£38.36
ZG12-43	43	3.583	3.750	35	15	£50.34	£38.61
ZG12-44	44	3.667	3.833	35	15	£50.82	£38.99
ZG12-45	45	3.750	3.917	35	15	£51.20	£39.22
ZG12-46	46	3.833	4.000	35	15	£52.51	£40.28
ZG12-47	47	3.917	4.083	35	15	£52.64	£40.42
ZG12-48	48	4.000	4.167	35	15	£54.78	£42.02
ZG12-49	49	4.083	4.250	35	15	£56.26	£43.13
ZG12-50	50	4.167	4.333	35	15	£57.49	£44.05
ZG12-51	51	4.250	4.417	35	15	£58.29	£44.73
ZG12-52	52	4.333	4.500	35	15	£59.52	£45.71
ZG12-53	53	4.417	4.583	35	15	£60.91	£46.69
ZG12-54	54	4.500	4.667	35	15	£61.94	£47.53
ZG12-55	55	4.583	4.750	35	15	£63.41	£48.63
ZG12-56	56	4.667	4.833	35	15	£65.31	£50.10
ZG12-57	57	4.750	4.917	35	15	£67.39	£51.81
ZG12-58	58	4.833	5.000	35	15	£77.21	£59.16
ZG12-59	59	4.917	5.083	35	15	£82.58	£63.37
ZG12-60	60	5.000	5.167	35	15	£85.45	£65.53
ZG12-62	62	5.167	5.333	35	15	£86.50	£66.32
ZG12-64	64	5.333	5.500	35	15	£88.84	£68.15
ZG12-65	65	5.417	5.583	40	15	£89.77	£68.83
ZG12-66	66	5.500	5.667	40	15	£91.91	£70.52
ZG12-68	68	5.667	5.833	40	15	£101.16	£80.76
ZG12-70	70	5.833	6.000	40	15	£110.76	£84.98
ZG12-71	71	5.917	6.083	40	15	£116.24	£89.26
ZG12-72	72	6.000	6.167	40	15	£120.91	£92.79
ZG12-73	73	6.083	6.250	40	15	£132.00	£101.01
ZG12-74	74	6.167	6.333	40	15	£141.41	£108.50
ZG12-75	75	6.250	6.417	50	20	£162.99	£116.58
ZG12-76	76	6.333	6.500	50	20	£187.29	£133.58
ZG12-78	78	6.500	6.667	50	20	£197.40	£151.52
ZG12-80	80	6.667	6.833	50	20	£208.44	£160.07
ZG12-86	86	7.167	7.333	50	20	£227.14	£174.32
ZG12-90	90	7.500	7.667	50	20	£247.76	£190.16
ZG12-96	96	8.000	8.167	50	20	£266.43	£204.41

'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.

