

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

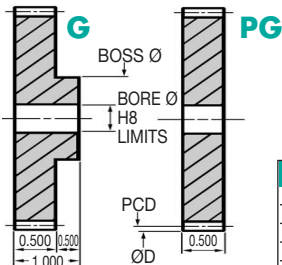
16 DP

20° P.A.

SPECIAL TEETH : between 9 - 280



TORQUE CHECK 50 teeth x 1000 rpm variations of back	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
TORQUE Nm.	9.400	44.000	4.700	3.760
K.W.	0.985	4.476	0.492	0.395



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
G16-9	9	0.625	0.750	0.750	0.312	£12.44	£12.11
G16-10	10	0.688	0.813	0.813	0.312	£12.48	£12.14
G16-11	11	0.750	0.875	0.875	0.312	£12.50	£12.15
G16-12	12	0.750	0.875	0.750	0.375	£13.27	£12.16
G16-13	13	0.813	0.938	0.750	0.375	£13.30	£12.75
G16-14	14	0.875	1.000	0.750	0.375	£13.54	£13.13
G16-15	15	0.938	1.063	0.750	0.375	£13.96	£13.77
G16-16	16	1.000	1.125	0.750	0.375	£14.82	£14.46
G16-17	17	1.063	1.188	0.750	0.375	£15.39	£14.83
G16-18	18	1.125	1.250	0.750	0.375	£16.17	£15.45
G16-19	19	1.188	1.313	0.750	0.375	£16.56	£15.61
G16-20	20	1.250	1.375	1.000	0.500	£16.94	£16.04
G16-21	21	1.313	1.438	1.000	0.500	£17.98	£16.35
G16-22	22	1.375	1.500	1.000	0.500	£18.79	£16.72
G16-23	23	1.438	1.563	1.000	0.500	£19.36	£17.18
G16-24	24	1.500	1.625	1.000	0.500	£19.81	£17.59
G16-25	25	1.563	1.688	1.000	0.500	£20.11	£17.76
G16-26	26	1.625	1.750	1.000	0.500	£20.70	£18.09
G16-27	27	1.688	1.813	1.000	0.500	£21.07	£18.17
G16-28	28	1.750	1.875	1.000	0.500	£21.42	£18.29
G16-29	29	1.813	1.938	1.000	0.500	£21.77	£18.43
G16-30	30	1.875	2.000	1.000	0.500	£22.11	£18.61
G16-31	31	1.938	2.063	1.000	0.500	£22.69	£18.71

Spur Gears Steel - Standard DP 16

23.120



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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						G	PG
G16-32	32	2.000	2.125	1.000	0.500	£23.22	£18.87
G16-33	33	2.063	2.188	1.000	0.500	£23.30	£19.04
G16-34	34	2.125	2.250	1.000	0.500	£23.37	£19.16
G16-35	35	2.188	2.313	1.000	0.500	£23.47	£19.29
G16-36	36	2.250	2.375	1.250	0.625	£23.60	£22.85
G16-37	37	2.313	2.438	1.250	0.625	£23.88	£23.54
G16-38	38	2.375	2.500	1.250	0.625	£24.40	£24.21
G16-39	39	2.438	2.563	1.250	0.625	£25.07	£24.67
G16-40	40	2.500	2.625	1.250	0.625	£25.34	£25.18
G16-41	41	2.563	2.688	1.250	0.625	£25.66	£25.43
G16-42	42	2.625	2.750	1.250	0.625	£26.27	£25.93
G16-43	43	2.688	2.813	1.250	0.625	£26.90	£26.32
G16-44	44	2.750	2.875	1.250	0.625	£27.63	£26.74
G16-45	45	2.813	2.938	1.250	0.625	£28.42	£27.31
G16-46	46	2.875	3.000	1.250	0.625	£29.33	£27.69
G16-47	47	2.938	3.063	1.250	0.625	£30.26	£28.31
G16-48	48	3.000	3.125	1.250	0.625	£30.86	£28.79
G16-49	49	3.063	3.188	1.250	0.625	£31.74	£29.53
G16-50	50	3.125	3.250	1.250	0.625	£32.29	£30.17
G16-51	51	3.188	3.313	1.250	0.625	£32.90	£30.73
G16-52	52	3.250	3.375	1.250	0.625	£33.47	£31.54
G16-53	53	3.313	3.438	1.250	0.625	£34.61	£31.90
G16-54	54	3.375	3.500	1.250	0.625	£35.70	£32.53
G16-55	55	3.438	3.563	1.250	0.625	£36.54	£32.98
G16-56	56	3.500	3.625	1.250	0.625	£37.10	£33.50
G16-57	57	3.563	3.688	1.250	0.625	£37.67	£34.06
G16-58	58	3.625	3.750	1.250	0.625	£38.14	£34.63
G16-59	59	3.688	3.813	1.250	0.625	£38.68	£35.30
G16-60	60	3.750	3.875	1.250	0.625	£39.34	£35.89
G16-61	61	3.812	3.937	1.250	0.625	£40.49	£36.03
G16-62	62	3.875	4.000	1.250	0.625	£41.63	£37.06
G16-63	63	3.937	4.063	1.250	0.625	£42.20	£37.47
G16-64	64	4.000	4.125	1.250	0.625	£42.68	£38.02
G16-65	65	4.062	4.187	1.250	0.625	£43.36	£38.59
G16-66	66	4.125	4.250	1.250	0.625	£44.70	£39.28
G16-68	68	4.250	4.375	1.250	0.625	£45.11	£39.68
G16-70	70	4.375	4.500	1.250	0.625	£46.60	£41.03
G16-72	72	4.500	4.625	1.250	0.625	£48.40	£44.72
G16-73	73	4.562	4.687	1.500	0.750	£50.89	£45.90
G16-74	74	4.625	4.750	1.500	0.750	£53.48	£47.04
G16-76	76	4.750	4.875	1.500	0.750	£57.12	£51.60
G16-78	78	4.875	5.000	1.500	0.750	£59.46	£52.30
G16-80	80	5.000	5.125	1.500	0.750	£63.61	£55.94
G16-84	84	5.250	5.375	1.500	0.750	£64.10	£59.15
G16-88	88	5.500	5.625	1.500	0.750	£74.75	£65.76
G16-90	90	5.625	5.750	1.500	0.750	£78.16	£68.80
G16-96	96	6.000	6.125	1.500	0.750	£85.85	£75.48
G16-100	100	6.250	6.375	1.500	0.750	£89.47	£78.74
G16-105	105	6.563	6.688	1.500	0.750	£97.72	£86.02
G16-110	110	6.875	7.000	1.500	0.750	£104.53	£91.92
G16-115	115	7.188	7.313	1.500	0.750	£108.22	£95.24
G16-120	120	7.500	7.625	1.500	0.750	£113.55	£99.91

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) torque x 0.47
of 655M13(En36)

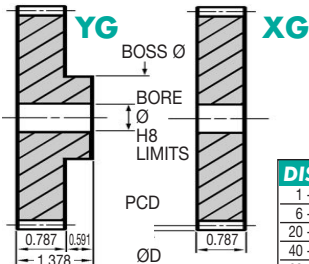
16 DP

20° P.A.

SPECIAL TEETH : between 9 - 280



TORQUE CHECK 50 teeth x 1000 rpm	655M13	655M13 Cse/HD	817M40	817M40 Ind/HD
variations of back	32.000	88.000	16.000	46.000
TORQUE Nm.				
K.W.	3.342	8.952	3.342	4.879



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
YG16 - 9	9	0.625	0.750	0.750	0.312	£15.55	£11.65
YG16 - 10	10	0.688	0.813	0.813	0.312	£15.57	£11.66
YG16 - 11	11	0.750	0.875	0.875	0.312	£15.60	£11.67
YG16 - 12	12	0.750	0.875	0.875	0.375	£15.61	£11.70
YG16 - 13	13	0.813	0.938	0.938	0.375	£16.44	£12.29
YG16 - 14	14	0.875	1.000	0.984	0.375	£16.92	£12.66
YG16 - 15	15	0.938	1.063	0.984	0.375	£17.38	£13.03
YG16 - 16	16	1.000	1.125	0.984	0.375	£18.50	£13.92
YG16 - 17	17	1.063	1.188	0.984	0.375	£19.16	£14.36
YG16 - 18	18	1.125	1.250	0.984	0.375	£20.12	£15.07
YG16 - 19	19	1.188	1.313	0.984	0.375	£20.66	£15.47
YG16 - 20	20	1.250	1.375	1.181	0.500	£21.10	£15.83
YG16 - 21	21	1.313	1.438	1.181	0.500	£22.43	£16.81
YG16 - 22	22	1.375	1.500	1.181	0.500	£23.47	£17.59
YG16 - 23	23	1.438	1.563	1.181	0.500	£24.19	£18.12
YG16 - 24	24	1.500	1.625	1.181	0.500	£24.73	£18.52
YG16 - 25	25	1.563	1.688	1.181	0.500	£25.08	£18.77
YG16 - 26	26	1.625	1.750	1.181	0.500	£25.86	£19.36
YG16 - 27	27	1.688	1.813	1.181	0.500	£26.27	£19.66
YG16 - 28	28	1.750	1.875	1.181	0.500	£26.74	£20.08
YG16 - 29	29	1.813	1.938	1.181	0.500	£27.18	£20.36
YG16 - 30	30	1.875	2.000	1.378	0.500	£27.57	£20.64
YG16 - 31	31	1.938	2.063	1.378	0.500	£28.24	£21.15

Spur Gears Steel - Heavy Duty DP 16

23.122



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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						YG	XG
YG16 - 32	32	2.000	2.125	1.378	0.500	£28.95	£21.67
YG16 - 33	33	2.063	2.188	1.378	0.500	£29.05	£21.77
YG16 - 34	34	2.125	2.250	1.378	0.500	£29.16	£21.85
YG16 - 35	35	2.188	2.313	1.378	0.500	£29.30	£21.96
YG16 - 36	36	2.250	2.375	1.969	0.625	£29.38	£22.01
YG16 - 37	37	2.313	2.438	1.969	0.625	£29.81	£22.36
YG16 - 38	38	2.375	2.500	1.969	0.625	£30.50	£22.79
YG16 - 39	39	2.438	2.563	1.969	0.625	£31.22	£23.42
YG16 - 40	40	2.500	2.625	1.969	0.625	£31.62	£23.71
YG16 - 41	41	2.563	2.688	1.969	0.625	£31.99	£23.92
YG16 - 42	42	2.625	2.750	1.969	0.625	£32.72	£24.57
YG16 - 43	43	2.688	2.813	1.969	0.625	£33.58	£25.18
YG16 - 44	44	2.750	2.875	1.969	0.625	£34.47	£25.80
YG16 - 45	45	2.813	2.938	1.969	0.625	£35.44	£26.56
YG16 - 46	46	2.875	3.000	1.969	0.625	£36.60	£27.42
YG16 - 47	47	2.938	3.063	1.969	0.625	£37.75	£28.29
YG16 - 48	48	3.000	3.125	1.969	0.625	£38.55	£28.90
YG16 - 49	49	3.063	3.188	1.969	0.625	£39.59	£29.68
YG16 - 50	50	3.125	3.250	2.362	0.625	£40.22	£30.17
YG16 - 51	51	3.188	3.313	2.362	0.625	£40.99	£30.76
YG16 - 52	52	3.250	3.375	2.362	0.625	£41.71	£31.26
YG16 - 53	53	3.313	3.438	2.362	0.625	£43.21	£32.35
YG16 - 54	54	3.375	3.500	2.362	0.625	£44.50	£33.36
YG16 - 55	55	3.438	3.563	2.362	0.625	£45.54	£34.13
YG16 - 56	56	3.500	3.625	2.362	0.625	£46.93	£34.63
YG16 - 57	57	3.563	3.688	2.362	0.625	£47.60	£35.15
YG16 - 58	58	3.625	3.750	2.362	0.625	£48.25	£35.67
YG16 - 59	59	3.688	3.813	2.362	0.625	£49.05	£36.19
YG16 - 60	60	3.750	3.875	2.362	0.625	£50.46	£36.76
YG16 - 61	61	3.812	3.937	2.362	0.625	£51.93	£37.80
YG16 - 62	62	3.875	4.000	2.362	0.625	£53.14	£38.92
YG16 - 63	63	3.937	4.063	2.362	0.625	£53.17	£39.38
YG16 - 64	64	4.000	4.125	2.362	0.625	£54.07	£39.92
YG16 - 65	65	4.062	4.187	2.362	0.625	£55.78	£40.51
YG16 - 66	66	4.125	4.250	2.362	0.625	£56.21	£41.82
YG16 - 68	68	4.250	4.375	2.362	0.625	£58.16	£42.20
YG16 - 70	70	4.375	4.500	2.362	0.625	£60.31	£43.60
YG16 - 72	72	4.500	4.625	2.362	0.625	£63.43	£45.19
YG16 - 73	73	4.562	4.687	2.953	0.750	£66.70	£47.53
YG16 - 74	74	4.625	4.750	2.953	0.750	£71.18	£49.97
YG16 - 76	76	4.750	4.875	2.953	0.750	£74.09	£53.41
YG16 - 78	78	4.875	5.000	2.953	0.750	£79.30	£55.52
YG16 - 80	80	5.000	5.125	2.953	0.750	£83.85	£59.46
YG16 - 84	84	5.250	5.375	2.953	0.750	£93.16	£62.84
YG16 - 88	88	5.500	5.625	2.953	0.750	£97.41	£69.89
YG16 - 90	90	5.625	5.750	2.953	0.750	£107.00	£73.03
YG16 - 96	96	6.000	6.125	2.953	0.750	£111.53	£80.23
YG16 - 100	100	6.250	6.375	2.953	0.750	£121.83	£83.61
YG16 - 105	105	6.563	6.688	2.953	0.750	£130.24	£91.34
YG16 - 110	110	6.875	7.000	2.953	0.750	£134.85	£97.68
YG16 - 115	115	7.188	7.313	2.953	0.750	£141.48	£101.15
YG16 - 120	120	7.500	7.625	2.953	0.750	£146.14	£106.08

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

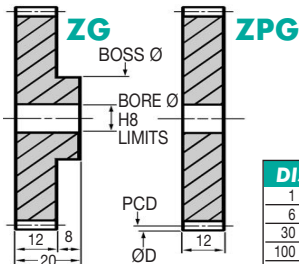
16 DP

20° P.A.

SPECIAL TEETH : between 9 - 280



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 2.40



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
ZG16-9	9	0.625	0.750	18	6	£6.20	£4.75
ZG16-10	10	0.688	0.813	18	6	£6.21	£4.76
ZG16-11	11	0.750	0.875	18	6	£6.24	£4.78
ZG16-12	12	0.750	0.875	18	6	£6.30	£4.79
ZG16-13	13	0.813	0.938	18	6	£6.54	£5.06
ZG16-14	14	0.875	1.000	20	8	£6.75	£5.19
ZG16-15	15	0.938	1.063	20	8	£6.99	£5.33
ZG16-16	16	1.000	1.125	20	8	£7.39	£5.63
ZG16-17	17	1.063	1.188	20	8	£7.73	£5.90
ZG16-18	18	1.125	1.250	24	8	£8.10	£6.16
ZG16-19	19	1.188	1.313	25	8	£8.27	£6.37
ZG16-20	20	1.250	1.375	25	8	£8.47	£6.43
ZG16-21	21	1.313	1.438	25	8	£8.96	£6.87
ZG16-22	22	1.375	1.500	25	8	£9.47	£7.27
ZG16-23	23	1.438	1.563	25	8	£9.68	£7.39
ZG16-24	24	1.500	1.625	25	8	£9.95	£7.63
ZG16-25	25	1.563	1.688	25	8	£10.09	£7.73
ZG16-26	26	1.625	1.750	25	8	£10.42	£7.99
ZG16-27	27	1.688	1.813	25	8	£11.59	£8.88
ZG16-28	28	1.750	1.875	25	8	£11.85	£9.08
ZG16-29	29	1.813	1.938	25	8	£12.05	£9.20
ZG16-30	30	1.875	2.000	25	8	£13.93	£10.65
ZG16-31	31	1.938	2.063	28	10	£14.26	£10.94

Spur Gears Plastic - Fully Machined DP 16

23.124



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 (ins)	ØD (ins)	BOSS Ø (mm)	BORE Ø (mm)	PRICE EACH 1-5	
						ZG	ZPG
ZG16-32	32	2.000	2.125	28	10	£17.52	£13.41
ZG16-33	33	2.063	2.188	28	10	£17.59	£13.49
ZG16-34	34	2.125	2.250	28	10	£17.62	£13.54
ZG16-35	35	2.188	2.313	28	10	£17.76	£13.61
ZG16-36	36	2.250	2.375	28	10	£17.87	£13.64
ZG16-37	37	2.313	2.438	28	10	£20.47	£15.68
ZG16-38	38	2.375	2.500	28	10	£20.91	£16.04
ZG16-39	39	2.438	2.563	28	10	£21.44	£16.46
ZG16-40	40	2.500	2.625	30	12	£21.71	£16.64
ZG16-41	41	2.563	2.688	30	12	£21.98	£16.81
ZG16-42	42	2.625	2.750	30	12	£22.47	£17.27
ZG16-43	43	2.688	2.813	30	12	£23.07	£17.67
ZG16-44	44	2.750	2.875	30	12	£23.64	£18.13
ZG16-45	45	2.813	2.938	30	12	£24.38	£18.66
ZG16-46	46	2.875	3.000	30	12	£26.66	£20.42
ZG16-47	47	2.938	3.063	30	12	£27.41	£21.09
ZG16-48	48	3.000	3.125	30	12	£28.02	£21.48
ZG16-49	49	3.063	3.188	30	12	£28.79	£22.06
ZG16-50	50	3.125	3.250	30	12	£29.28	£22.44
ZG16-51	51	3.188	3.313	30	12	£29.84	£22.90
ZG16-52	52	3.250	3.375	30	12	£30.39	£23.30
ZG16-53	53	3.313	3.438	30	12	£31.42	£24.13
ZG16-54	54	3.375	3.500	30	12	£36.04	£27.62
ZG16-55	55	3.438	3.563	30	12	£36.82	£28.26
ZG16-56	56	3.500	3.625	30	12	£37.44	£28.69
ZG16-57	57	3.563	3.688	30	12	£37.92	£29.10
ZG16-58	58	3.625	3.750	30	12	£38.52	£29.60
ZG16-59	59	3.688	3.813	30	12	£39.08	£29.93
ZG16-60	60	3.750	3.875	30	12	£39.68	£30.44
ZG16-62	62	3.875	4.000	30	12	£42.02	£31.32
ZG16-63	63	3.938	4.063	30	12	£44.95	£32.26
ZG16-64	64	4.000	4.125	30	12	£46.85	£35.89
ZG16-65	65	4.063	4.188	40	12	£47.36	£36.34
ZG16-66	66	4.125	4.250	40	12	£48.19	£36.97
ZG16-68	68	4.250	4.375	40	12	£49.63	£38.05
ZG16-70	70	4.375	4.500	40	12	£50.10	£38.41
ZG16-72	72	4.500	4.625	40	12	£51.77	£39.69
ZG16-73	73	4.563	4.688	40	12	£53.75	£41.17
ZG16-74	74	4.625	4.750	40	12	£61.60	£47.29
ZG16-76	76	4.750	4.875	40	12	£64.83	£49.71
ZG16-78	78	4.875	5.000	40	15	£65.53	£50.09
ZG16-80	80	5.000	5.125	40	15	£66.95	£50.20
ZG16-84	84	5.250	5.375	40	15	£71.69	£54.04
ZG16-88	88	5.500	5.625	40	15	£75.12	£57.62
ZG16-90	90	5.625	5.750	40	15	£77.89	£60.59
ZG16-96	96	6.000	6.125	40	20	£85.50	£68.57
ZG16-100	100	6.250	6.375	40	20	£94.72	£77.83

'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.

