

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

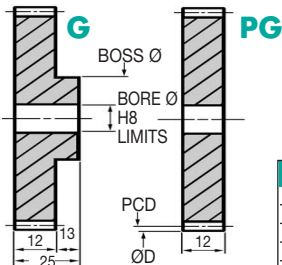
18 DP

20° P.A.

SPECIAL TEETH : between 9 - 315



TORQUE CHECK 50 teeth x 1000 rpm variations of back K.W.	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
	8.880	41.500	4.440	3.550
	0.930	4.230	0.460	0.370



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)	PRICE EACH 1 - 5	
						G	PG
G18-9	9	14.11	16.93	18	8	£12.44	£12.11
G18-10	10	15.52	18.34	18	8	£12.48	£12.14
G18-11	11	16.93	19.76	18	8	£12.50	£12.15
G18-12	12	16.93	19.76	14	8	£12.51	£12.16
G18-13	13	18.34	21.17	15	8	£12.93	£12.65
G18-14	14	19.76	22.58	15	8	£13.26	£13.02
G18-15	15	21.17	23.99	18	8	£13.61	£13.40
G18-16	16	22.58	25.40	20	10	£13.96	£13.82
G18-17	17	23.99	26.81	20	10	£14.36	£14.25
G18-18	18	25.40	28.22	20	10	£14.82	£14.67
G18-19	19	26.81	29.63	20	10	£15.39	£14.72
G18-20	20	28.22	31.00	20	10	£16.17	£14.73
G18-21	21	29.63	32.45	20	10	£16.29	£14.83
G18-22	22	31.04	33.87	20	10	£16.48	£14.95
G18-23	23	32.46	35.28	20	10	£16.77	£15.07
G18-24	24	33.87	36.69	25	10	£16.94	£15.19
G18-25	25	35.28	38.10	25	10	£17.81	£15.23
G18-26	26	36.69	39.51	25	10	£18.67	£15.33
G18-27	27	38.10	40.92	25	10	£19.25	£15.55
G18-28	28	39.51	42.33	25	10	£19.81	£15.82
G18-29	29	40.92	43.74	25	10	£20.12	£16.12
G18-30	30	42.33	45.16	25	10	£20.70	£16.29
G18-31	31	43.74	46.57	25	10	£21.07	£16.81

Spur Gears Steel - Standard DP 18

23.114



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)	PRICE EACH 1 - 5	
						G	PG
G18-32	32	45.16	47.98	25	10	£21.42	£16.94
G18-33	33	46.57	49.39	25	10	£21.65	£17.38
G18-34	34	47.98	50.80	25	10	£21.85	£17.59
G18-35	35	49.39	52.21	30	15	£22.11	£17.76
G18-36	36	50.80	53.62	30	15	£23.22	£17.98
G18-37	37	52.21	55.03	30	15	£23.74	£18.18
G18-38	38	53.62	56.44	30	15	£24.22	£18.45
G18-39	39	55.03	57.86	30	15	£24.77	£18.98
G18-40	40	56.44	59.27	40	15	£25.03	£19.42
G18-41	41	57.86	60.68	40	15	£25.31	£20.09
G18-42	42	59.27	62.09	40	15	£25.32	£20.66
G18-43	43	60.68	63.50	40	15	£25.33	£21.32
G18-44	44	62.09	64.91	40	15	£25.34	£21.91
G18-45	45	63.50	66.32	40	15	£25.86	£22.49
G18-46	46	64.91	67.73	40	15	£26.44	£23.15
G18-47	47	66.32	69.14	40	15	£27.05	£23.74
G18-48	48	67.73	70.56	40	15	£27.63	£24.37
G18-49	49	69.14	71.97	40	15	£28.89	£24.89
G18-50	50	70.56	73.38	40	15	£30.86	£25.59
G18-51	51	71.97	74.79	40	15	£31.82	£26.20
G18-52	52	73.38	76.20	40	15	£32.45	£26.74
G18-53	53	74.79	77.61	40	15	£32.98	£27.40
G18-54	54	76.20	79.02	40	15	£33.10	£28.02
G18-55	55	77.61	80.43	40	15	£33.26	£28.43
G18-56	56	79.02	81.84	40	15	£33.56	£28.89
G18-57	57	80.43	83.26	40	15	£33.86	£29.30
G18-58	58	81.84	84.67	40	15	£34.02	£29.72
G18-59	59	83.26	86.08	40	15	£34.19	£30.08
G18-60	60	84.67	87.49	40	15	£34.34	£30.51
G18-62	62	87.49	90.31	40	15	£35.02	£30.86
G18-64	64	90.31	93.13	40	15	£35.47	£31.32
G18-65	65	91.72	94.54	40	15	£36.34	£31.74
G18-66	66	93.13	95.96	40	15	£37.70	£32.40
G18-68	68	95.96	98.78	40	15	£38.54	£32.85
G18-70	70	98.78	101.60	40	15	£39.93	£33.20
G18-71	71	100.19	103.01	50	15	£40.99	£34.17
G18-72	72	101.60	104.42	50	15	£42.21	£35.11
G18-73	73	103.01	105.83	50	15	£43.22	£35.98
G18-74	74	104.42	107.24	50	15	£44.70	£37.29
G18-75	75	105.83	108.66	50	15	£45.00	£37.44
G18-76	76	107.24	110.07	50	15	£45.15	£37.65
G18-78	78	110.07	112.89	50	15	£47.44	£39.53
G18-80	80	112.89	115.71	50	15	£49.18	£40.98
G18-86	86	121.36	124.18	50	15	£52.86	£43.99
G18-90	90	127.00	129.82	50	15	£56.60	£47.15
G18-96	96	135.47	138.29	50	15	£60.38	£50.29
G18-98	98	138.29	141.11	50	15	£64.10	£53.42
G18-100	100	141.11	143.93	50	15	£68.27	£56.88
G18-105	105	148.17	150.99	50	15	£72.76	£60.59
G18-110	110	155.22	158.04	50	15	£78.58	£65.46
G18-115	115	162.28	165.10	50	15	£87.46	£72.88
G18-120	120	169.33	172.16	50	15	£97.71	£81.41

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)

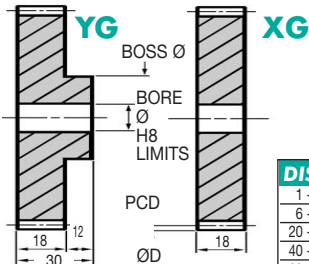
18 DP

20° P.A.

SPECIAL TEETH : between 9 - 315



TORQUE CHECK 50 teeth x 1000 rpm	655M13	655M13 Cse/HD	817M40	817M40 Ind/HD
variations	11.50	50.00	5.80	4.60
TORQUE Nm.				
K.W.	1.21	5.24	0.61	0.48



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)	PRICE EACH 1 - 5	
						YG	XG
YG18-9	9	14.11	16.93	18	8	£15.61	£15.19
YG18-10	10	15.52	18.34	18	8	£15.65	£15.20
YG18-11	11	16.93	19.76	18	8	£15.68	£15.22
YG18-12	12	16.93	19.76	14	8	£15.69	£15.23
YG18-13	13	18.34	21.17	15	8	£16.17	£15.82
YG18-14	14	19.76	22.58	15	8	£16.57	£16.27
YG18-15	15	21.17	23.99	18	8	£17.02	£16.78
YG18-16	16	22.58	25.40	20	10	£17.48	£17.29
YG18-17	17	23.99	26.81	20	10	£17.99	£17.80
YG18-18	18	25.40	28.22	20	10	£18.55	£18.37
YG18-19	19	26.81	29.63	20	10	£19.25	£18.43
YG18-20	20	28.22	31.00	20	10	£20.24	£18.45
YG18-21	21	29.63	32.45	20	10	£20.42	£18.61
YG18-22	22	31.04	33.87	20	10	£20.64	£18.67
YG18-23	23	32.46	35.28	20	10	£20.95	£18.88
YG18-24	24	33.87	36.69	25	10	£21.21	£19.02
YG18-25	25	35.28	38.10	25	10	£22.30	£16.23
YG18-26	26	36.69	39.51	25	10	£23.36	£19.14
YG18-27	27	38.10	40.92	25	10	£24.10	£19.46
YG18-28	28	39.51	42.33	25	10	£24.78	£19.77
YG18-29	29	40.92	43.74	25	10	£25.18	£20.12
YG18-30	30	42.33	45.16	25	10	£25.95	£20.42
YG18-31	31	43.74	46.57	25	10	£26.33	£21.06

Spur Gears Steel - Heavy Duty DP 18

23.116



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)	PRICE EACH 1 - 5	
						YG	XG
YG18-32	32	45.16	47.98	25	10	£26.85	£21.21
YG18-33	33	46.57	49.39	25	10	£27.07	£21.77
YG18-34	34	47.98	50.80	25	10	£27.33	£22.00
YG18-35	35	49.39	52.21	30	15	£27.64	£22.20
YG18-36	36	50.80	53.62	30	15	£29.03	£22.47
YG18-37	37	52.21	55.03	30	15	£29.68	£22.76
YG18-38	38	53.62	56.44	30	15	£30.34	£23.08
YG18-39	39	55.03	57.86	30	15	£31.01	£23.74
YG18-40	40	56.44	59.27	40	15	£31.30	£24.32
YG18-41	41	57.86	60.68	40	15	£31.62	£25.12
YG18-42	42	59.27	62.09	40	15	£31.67	£25.84
YG18-43	43	60.68	63.50	40	15	£31.68	£26.67
YG18-44	44	62.09	64.91	40	15	£31.70	£27.39
YG18-45	45	63.50	66.32	40	15	£32.35	£28.19
YG18-46	46	64.91	67.73	40	15	£33.07	£28.98
YG18-47	47	66.32	69.14	40	15	£33.86	£29.68
YG18-48	48	67.73	70.56	40	15	£34.56	£30.46
YG18-49	49	69.14	71.97	40	15	£36.10	£31.15
YG18-50	50	70.56	73.38	40	15	£38.61	£31.99
YG18-51	51	71.97	74.79	40	15	£39.79	£32.75
YG18-52	52	73.38	76.20	40	15	£40.62	£33.50
YG18-53	53	74.79	77.61	40	15	£41.23	£34.27
YG18-54	54	76.20	79.02	40	15	£41.23	£35.06
YG18-55	55	77.61	80.43	40	15	£41.62	£35.56
YG18-56	56	79.02	81.84	40	15	£41.95	£36.10
YG18-57	57	80.43	83.26	40	15	£42.33	£36.62
YG18-58	58	81.84	84.67	40	15	£42.56	£37.18
YG18-59	59	83.26	86.08	40	15	£42.76	£37.65
YG18-60	60	84.67	87.49	40	15	£42.97	£38.15
YG18-62	62	87.49	90.31	40	15	£43.79	£38.61
YG18-64	64	90.31	93.13	40	15	£44.36	£39.20
YG18-65	65	91.72	94.54	40	15	£45.44	£39.69
YG18-66	66	93.13	95.96	40	15	£47.15	£40.56
YG18-68	68	95.96	98.78	40	15	£48.20	£41.10
YG18-70	70	98.78	101.60	40	15	£49.93	£41.53
YG18-71	71	100.19	103.01	50	15	£51.28	£42.72
YG18-72	72	101.60	104.42	50	15	£52.79	£43.96
YG18-73	73	103.01	105.83	50	15	£54.04	£45.02
YG18-74	74	104.42	107.24	50	15	£55.94	£46.58
YG18-75	75	105.83	108.66	50	15	£56.26	£46.86
YG18-76	76	107.24	110.07	50	15	£56.48	£47.04
YG18-78	78	110.07	112.89	50	15	£59.31	£49.39
YG18-80	80	112.89	115.71	50	15	£61.50	£51.27
YG18-86	86	121.36	124.18	50	15	£66.11	£55.01
YG18-90	90	127.00	129.82	50	15	£70.82	£58.93
YG18-96	96	135.47	138.29	50	15	£75.47	£62.83
YG18-98	98	138.29	141.11	50	15	£80.14	£66.77
YG18-100	100	141.11	143.93	50	15	£85.37	£71.13
YG18-105	105	148.17	150.99	50	15	£90.97	£75.78
YG18-110	110	155.22	158.04	50	15	£98.24	£81.80
YG18-115	115	162.28	165.10	50	15	£109.32	£91.11
YG18-120	120	169.33	172.16	50	15	£122.19	£101.79

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

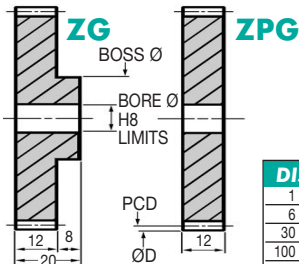
18 DP

20° P.A.

SPECIAL TEETH : between 9 - 315



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 1.70



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 (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	PRICE EACH 1-5	
						ZG	ZPG
ZG18-9	9	14.11	16.93	18	8	£6.20	£4.75
ZG18-10	10	15.52	18.34	18	8	£6.21	£4.76
ZG18-11	11	16.93	19.76	18	8	£6.24	£4.78
ZG18-12	12	16.93	19.76	14	8	£6.30	£4.79
ZG18-13	13	18.34	21.17	15	8	£6.43	£4.97
ZG18-14	14	19.76	22.58	15	8	£6.65	£5.06
ZG18-15	15	21.17	23.99	18	8	£6.77	£5.22
ZG18-16	16	22.58	25.40	20	10	£6.99	£5.33
ZG18-17	17	23.99	26.81	20	10	£7.27	£5.52
ZG18-18	18	25.40	28.22	20	10	£7.40	£5.67
ZG18-19	19	26.81	29.63	20	10	£8.50	£6.43
ZG18-20	20	28.22	31.00	20	10	£8.93	£6.77
ZG18-21	21	29.63	32.45	20	10	£8.96	£6.87
ZG18-22	22	31.04	33.87	20	10	£9.08	£6.99
ZG18-23	23	32.46	35.28	20	10	£9.26	£7.04
ZG18-24	24	33.87	36.69	25	10	£9.32	£7.14
ZG18-25	25	35.28	38.10	25	10	£9.86	£7.49
ZG18-26	26	36.69	39.51	25	10	£10.30	£7.87
ZG18-27	27	38.10	40.92	25	10	£12.08	£9.26
ZG18-28	28	39.51	42.33	25	10	£12.43	£9.55
ZG18-29	29	40.92	43.74	25	10	£12.68	£9.68
ZG18-30	30	42.33	45.16	25	10	£13.03	£9.96
ZG18-31	31	43.74	46.57	25	10	£13.27	£10.15

Spur Gears Plastic - Fully Machined DP 18

23.118



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)	PRICE EACH 1-5	
						ZG	ZPG
ZG18-32	32	45.16	47.98	25	10	£13.49	£10.30
ZG18-33	33	46.57	49.39	25	10	£13.61	£10.42
ZG18-34	34	47.98	50.80	25	10	£16.55	£12.66
ZG18-35	35	49.39	52.21	30	15	£16.68	£12.78
ZG18-36	36	50.80	53.62	30	15	£17.52	£13.41
ZG18-37	37	52.21	55.03	30	15	£17.98	£13.75
ZG18-38	38	53.62	56.44	30	15	£20.81	£15.93
ZG18-39	39	55.03	57.86	30	15	£21.24	£16.25
ZG18-40	40	56.44	59.27	40	15	£21.67	£16.60
ZG18-41	41	57.86	60.68	40	15	£21.68	£16.61
ZG18-42	42	59.27	62.09	40	15	£21.70	£16.64
ZG18-43	43	60.68	63.50	40	15	£21.71	£16.65
ZG18-44	44	62.09	64.91	40	15	£21.73	£16.68
ZG18-45	45	63.50	66.32	40	15	£22.12	£16.98
ZG18-46	46	64.91	67.73	40	15	£22.55	£17.28
ZG18-47	47	66.32	69.14	40	15	£23.20	£17.77
ZG18-48	48	67.73	70.56	40	15	£23.67	£18.13
ZG18-49	49	69.14	71.97	40	15	£26.16	£20.08
ZG18-50	50	70.56	73.38	40	15	£28.02	£21.48
ZG18-51	51	71.97	74.79	40	15	£28.89	£22.12
ZG18-52	52	73.38	76.20	40	15	£29.43	£22.66
ZG18-53	53	74.79	77.61	40	15	£29.93	£22.94
ZG18-54	54	76.20	79.02	40	15	£30.18	£23.15
ZG18-55	55	77.61	80.43	40	15	£30.43	£23.30
ZG18-56	56	79.02	81.84	40	15	£30.44	£23.31
ZG18-57	57	80.43	83.26	40	15	£30.76	£23.54
ZG18-58	58	81.84	84.67	40	15	£30.87	£23.68
ZG18-59	59	83.26	86.08	40	15	£34.51	£26.44
ZG18-60	60	84.67	87.49	40	15	£34.72	£26.57
ZG18-62	62	87.49	90.31	40	15	£35.32	£27.07
ZG18-64	64	90.31	93.13	40	15	£35.82	£27.41
ZG18-65	65	91.72	94.54	40	15	£40.32	£30.91
ZG18-66	66	93.13	95.96	40	15	£41.82	£32.03
ZG18-68	68	95.96	98.78	40	15	£42.76	£32.83
ZG18-70	70	98.78	101.60	40	15	£44.33	£33.97
ZG18-71	71	100.19	103.01	50	15	£45.54	£34.93
ZG18-72	72	101.60	104.42	50	15	£49.12	£35.96
ZG18-73	73	103.01	105.83	50	15	£49.36	£36.81
ZG18-74	74	104.42	107.24	50	15	£49.63	£38.05
ZG18-75	75	105.83	108.66	50	15	£49.97	£38.30
ZG18-76	76	107.24	110.07	50	15	£52.64	£38.41
ZG18-78	78	110.07	112.89	50	15	£56.90	£40.42
ZG18-80	80	112.89	115.71	50	15	£59.52	£45.71
ZG18-86	86	121.36	124.18	50	15	£63.99	£49.12
ZG18-90	90	127.00	129.82	50	15	£68.57	£52.64
ZG18-96	96	135.47	138.29	50	15	£79.21	£60.75
ZG18-98	98	138.29	141.11	50	15	£91.39	£70.69
ZG18-100	100	141.11	143.93	50	15	£103.77	£83.55
ZG18-105	105	148.17	150.99	50	15	£129.78	£109.57
ZG18-110	110	155.22	158.04	50	15	£151.05	£130.84
ZG18-115	115	162.28	165.10	50	15	£171.79	£151.58
ZG18-120	120	169.33	172.16	50	15	£196.07	£175.84

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

