

Spur Gears

Materials

Standard duty

STD : Steel 214M15/045M10

ALTERNATIVE : Brass, Tufnol or Delrin

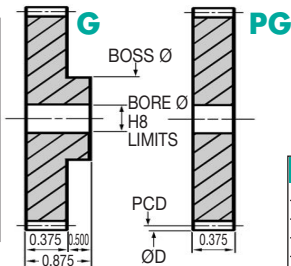
20 DP

20° P.A.

SPECIAL TEETH : between 9 - 340



TORQUE CHECK 50 teeth x 1000 rpm variations at back	214M15 303S21	214M15 Cse/HD	Brass	Tufnol
TORQUE Nm.	4.510	21.400	2.260	1.800
K.W.	0.470	2.238	0.231	0.187



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
G20-9	9	0.500	0.600	0.600	0.2500	£11.81	£10.76
G20-10	10	0.550	0.650	0.650	0.2500	£11.83	£10.77
G20-11	11	0.600	0.700	0.700	0.3125	£11.84	£10.79
G20-12	12	0.600	0.700	0.700	0.3125	£11.85	£10.80
G20-13	13	0.650	0.750	0.750	0.3125	£12.40	£11.15
G20-14	14	0.700	0.800	0.750	0.3125	£13.09	£11.53
G20-15	15	0.750	0.850	0.750	0.3750	£13.59	£11.91
G20-16	16	0.800	0.900	0.750	0.3750	£14.15	£12.22
G20-17	17	0.850	0.950	0.750	0.3750	£14.33	£12.34
G20-18	18	0.900	1.000	0.750	0.3750	£14.61	£12.40
G20-19	19	0.950	1.050	0.750	0.3750	£14.83	£12.56
G20-20	20	1.000	1.100	0.750	0.3750	£15.18	£12.69
G20-21	21	1.050	1.150	0.750	0.3750	£15.39	£12.83
G20-22	22	1.100	1.200	0.750	0.3750	£15.61	£13.00
G20-23	23	1.150	1.250	0.750	0.3750	£15.87	£13.19
G20-24	24	1.200	1.300	0.875	0.3750	£16.12	£13.40
G20-25	25	1.250	1.350	0.875	0.3750	£16.48	£13.48
G20-26	26	1.300	1.400	0.875	0.3750	£16.92	£13.61
G20-27	27	1.350	1.450	0.875	0.3750	£17.29	£13.75
G20-28	28	1.400	1.500	0.875	0.3750	£17.67	£13.93
G20-29	29	1.450	1.550	0.875	0.3750	£18.12	£13.99
G20-30	30	1.500	1.600	0.875	0.3750	£18.61	£14.13
G20-31	31	1.550	1.650	0.875	0.3750	£18.79	£14.20

Spur Gears Steel - Standard DP 20

23.108



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
G20-32	32	1.600	1.700	0.875	0.375	£19.07	£14.32
G20-33	33	1.650	1.750	0.875	0.375	£19.36	£14.46
G20-34	34	1.700	1.800	0.875	0.375	£19.77	£14.67
G20-35	35	1.750	1.850	0.875	0.375	£20.24	£14.82
G20-36	36	1.800	1.900	0.875	0.375	£20.70	£15.02
G20-37	37	1.850	1.950	0.875	0.375	£21.10	£15.18
G20-38	38	1.900	2.000	0.875	0.375	£21.59	£15.41
G20-39	39	1.950	2.050	0.875	0.375	£22.01	£15.57
G20-40	40	2.000	2.100	0.875	0.500	£22.43	£15.76
G20-41	41	2.050	2.150	0.875	0.500	£22.81	£15.90
G20-42	42	2.100	2.200	0.875	0.500	£23.26	£16.04
G20-43	43	2.150	2.250	0.875	0.500	£23.67	£16.19
G20-44	44	2.200	2.300	0.875	0.500	£24.10	£16.27
G20-45	45	2.250	2.350	0.875	0.500	£24.58	£16.44
G20-46	46	2.300	2.400	0.875	0.500	£24.77	£16.56
G20-47	47	2.350	2.450	0.875	0.500	£25.05	£16.72
G20-48	48	2.400	2.500	0.875	0.500	£25.40	£16.92
G20-49	49	2.450	2.550	0.875	0.500	£25.62	£17.13
G20-50	50	2.500	2.600	0.875	0.500	£25.81	£17.34
G20-51	51	2.550	2.650	0.875	0.500	£26.12	£17.59
G20-52	52	2.600	2.700	0.875	0.500	£26.32	£17.77
G20-53	53	2.650	2.750	0.875	0.500	£26.69	£17.87
G20-54	54	2.700	2.800	0.875	0.500	£27.13	£17.98
G20-55	55	2.750	2.850	0.875	0.500	£27.39	£18.13
G20-56	56	2.800	2.900	0.875	0.500	£27.92	£18.23
G20-57	57	2.850	2.950	0.875	0.500	£28.39	£18.30
G20-58	58	2.900	3.000	0.875	0.500	£28.66	£18.45
G20-59	59	2.950	3.050	0.875	0.500	£29.05	£18.67
G20-60	60	3.000	3.100	0.875	0.500	£29.30	£18.79
G20-61	61	3.050	3.150	0.875	0.500	£29.68	£19.04
G20-62	62	3.100	3.200	0.875	0.500	£30.11	£19.42
G20-63	63	3.150	3.250	0.875	0.500	£30.34	£19.73
G20-64	64	3.200	3.300	0.875	0.500	£30.55	£20.16
G20-65	65	3.250	3.350	0.875	0.500	£30.81	£20.73
G20-66	66	3.300	3.400	0.875	0.500	£30.86	£21.38
G20-68	68	3.400	3.500	0.875	0.500	£31.11	£21.96
G20-70	70	3.500	3.600	0.875	0.500	£31.22	£22.57
G20-72	72	3.600	3.700	0.875	0.500	£31.58	£25.62
G20-73	73	3.650	3.750	0.875	0.500	£32.98	£26.00
G20-74	74	3.700	3.800	0.875	0.500	£34.55	£26.55
G20-76	76	3.800	3.900	0.875	0.500	£35.22	£27.02
G20-78	78	3.900	4.000	0.875	0.500	£35.97	£27.39
G20-80	80	4.000	4.100	0.875	0.500	£37.47	£27.87
G20-84	84	4.200	4.300	0.875	0.500	£40.56	£30.55
G20-88	88	4.400	4.500	0.875	0.500	£50.65	£40.51
G20-90	90	4.500	4.600	1.000	0.625	£55.75	£44.62
G20-96	96	4.800	4.900	1.000	0.625	£63.27	£50.60
G20-100	100	5.000	5.100	1.000	0.625	£67.38	£53.89
G20-112	112	5.600	5.700	1.000	0.625	£68.32	£57.24
G20-120	120	6.000	6.100	1.500	0.750	£75.45	£60.40
G20-130	130	6.500	6.600	1.500	0.750	£79.83	£63.82
G20-140	140	7.000	7.100	1.500	0.750	£83.97	£67.13

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)

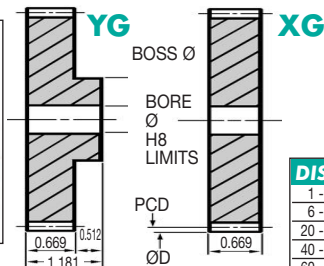
20 DP

20° P.A.

SPECIAL TEETH : between 9 - 340



TORQUE CHECK 50 teeth x 1000 rpm variations of back K.W.	655M13	655M13 Cse/HD	817M40	817M40 Ind/HD
TORQUE Nm.	17.000	47.000	17.000	24.000
K.W.	1.790	5.013	1.790	2.604



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
YG20-9	9	0.500	0.600	0.600	0.250	£14.76	£11.01
YG20-10	10	0.550	0.650	0.650	0.250	£14.77	£11.03
YG20-11	11	0.600	0.700	0.700	0.375	£14.78	£11.06
YG20-12	12	0.600	0.700	0.700	0.375	£14.82	£11.10
YG20-13	13	0.650	0.750	0.750	0.375	£15.49	£11.59
YG20-14	14	0.700	0.800	0.800	0.375	£16.29	£12.22
YG20-15	15	0.750	0.850	0.850	0.375	£16.94	£12.68
YG20-16	16	0.800	0.900	0.900	0.375	£17.67	£13.26
YG20-17	17	0.850	0.950	0.950	0.375	£17.87	£13.40
YG20-18	18	0.900	1.000	0.984	0.375	£18.13	£13.59
YG20-19	19	0.950	1.050	0.984	0.375	£18.52	£13.93
YG20-20	20	1.000	1.100	0.984	0.375	£18.88	£14.15
YG20-21	21	1.050	1.150	0.984	0.375	£19.16	£14.36
YG20-22	22	1.100	1.200	0.984	0.375	£19.50	£14.64
YG20-23	23	1.150	1.250	0.984	0.375	£19.77	£14.82
YG20-24	24	1.200	1.300	0.984	0.375	£20.08	£15.02
YG20-25	25	1.250	1.350	0.984	0.375	£20.59	£15.41
YG20-26	26	1.300	1.400	0.984	0.375	£21.09	£15.82
YG20-27	27	1.350	1.450	0.984	0.375	£21.59	£16.17
YG20-28	28	1.400	1.500	0.984	0.375	£22.01	£16.49
YG20-29	29	1.450	1.550	0.984	0.375	£22.55	£16.95
YG20-30	30	1.500	1.600	1.378	0.375	£23.15	£17.31
YG20-31	31	1.550	1.650	1.378	0.375	£23.47	£17.59

Spur Gears Steel - Heavy Duty DP 20

23.110



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
YG20-32	32	1.600	1.700	1.378	0.375	£23.81	£17.81
YG20-33	33	1.650	1.750	1.378	0.375	£24.19	£18.12
YG20-34	34	1.700	1.800	1.378	0.375	£24.70	£18.50
YG20-35	35	1.750	1.850	1.378	0.375	£25.28	£18.88
YG20-36	36	1.800	1.900	1.378	0.375	£25.86	£19.36
YG20-37	37	1.850	1.950	1.378	0.375	£26.32	£19.72
YG20-38	38	1.900	2.000	1.378	0.375	£26.90	£20.12
YG20-39	39	1.950	2.050	1.378	0.375	£27.43	£20.59
YG20-40	40	2.000	2.100	1.772	0.500	£27.98	£20.95
YG20-41	41	2.050	2.150	1.772	0.500	£28.50	£21.37
YG20-42	42	2.100	2.200	1.772	0.500	£29.01	£21.74
YG20-43	43	2.150	2.250	1.772	0.500	£29.52	£22.11
YG20-44	44	2.200	2.300	1.772	0.500	£30.03	£22.47
YG20-45	45	2.250	2.350	1.772	0.500	£30.61	£22.94
YG20-46	46	2.300	2.400	1.772	0.500	£30.85	£23.15
YG20-47	47	2.350	2.450	1.772	0.500	£31.21	£23.37
YG20-48	48	2.400	2.500	1.772	0.500	£31.73	£23.80
YG20-49	49	2.450	2.550	1.772	0.500	£31.91	£23.91
YG20-50	50	2.500	2.600	1.772	0.500	£32.27	£24.16
YG20-51	51	2.550	2.650	1.772	0.500	£32.60	£24.40
YG20-52	52	2.600	2.700	1.772	0.500	£32.81	£24.61
YG20-53	53	2.650	2.750	1.772	0.500	£33.31	£24.96
YG20-54	54	2.700	2.800	1.772	0.500	£33.86	£25.34
YG20-55	55	2.750	2.850	1.772	0.500	£34.13	£25.59
YG20-56	56	2.800	2.900	1.772	0.500	£34.84	£26.10
YG20-57	57	2.850	2.950	1.772	0.500	£35.39	£26.55
YG20-58	58	2.900	3.000	1.772	0.500	£35.73	£26.74
YG20-59	59	2.950	3.050	1.772	0.500	£36.23	£27.18
YG20-60	60	3.000	3.100	1.772	0.500	£36.45	£27.33
YG20-61	61	3.050	3.150	2.362	0.500	£36.98	£27.69
YG20-62	62	3.100	3.200	2.362	0.500	£37.60	£28.14
YG20-63	63	3.150	3.250	2.362	0.500	£37.80	£28.37
YG20-64	64	3.200	3.300	2.362	0.500	£38.08	£28.55
YG20-65	65	3.250	3.350	2.362	0.500	£38.50	£28.84
YG20-66	66	3.300	3.400	2.362	0.500	£38.55	£28.90
YG20-68	68	3.400	3.500	2.362	0.500	£38.74	£29.05
YG20-70	70	3.500	3.600	2.362	0.500	£38.93	£29.26
YG20-72	72	3.600	3.700	2.362	0.500	£39.28	£29.43
YG20-73	73	3.650	3.750	2.362	0.500	£41.09	£30.77
YG20-74	74	3.700	3.800	2.362	0.500	£43.04	£32.29
YG20-76	76	3.800	3.900	2.362	0.500	£43.88	£32.90
YG20-78	78	3.900	4.000	2.362	0.500	£44.85	£33.61
YG20-80	80	4.000	4.100	2.362	0.500	£46.69	£35.02
YG20-84	84	4.200	4.300	2.362	0.500	£50.59	£37.85
YG20-88	88	4.400	4.500	2.362	0.625	£63.14	£47.35
YG20-90	90	4.500	4.600	2.362	0.625	£69.42	£52.08
YG20-96	96	4.800	4.900	2.362	0.625	£78.85	£59.12
YG20-100	100	5.000	5.100	2.362	0.625	£83.97	£62.95
YG20-112	112	5.600	5.700	2.362	0.625	£89.22	£66.93
YG20-120	120	6.000	6.100	2.362	0.750	£94.09	£70.57
YG20-130	130	6.500	6.600	2.362	0.750	£99.49	£74.61
YG20-140	140	7.000	7.100	2.362	0.750	£104.66	£78.48

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

20 DP

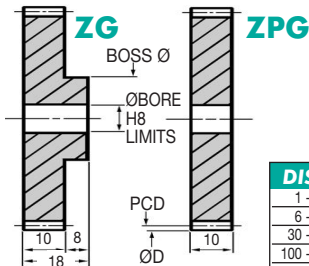
20° P.A.

SPECIAL TEETH : between 9 - 340



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 1.00

Spur Gears Plastic - Fully Machined DP 20



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
ZG20-9	9	0.500	0.600	15	5	£5.85	£4.51
ZG20-10	10	0.550	0.650	15	5	£5.86	£4.53
ZG20-11	11	0.600	0.700	15	5	£5.87	£4.54
ZG20-12	12	0.600	0.700	15	5	£5.90	£4.56
ZG20-13	13	0.650	0.750	15	5	£6.16	£4.74
ZG20-14	14	0.700	0.800	15	5	£6.54	£4.98
ZG20-15	15	0.750	0.850	15	5	£6.77	£5.22
ZG20-16	16	0.800	0.900	16	6	£7.03	£5.46
ZG20-17	17	0.850	0.950	16	6	£7.14	£5.52
ZG20-18	18	0.900	1.000	16	6	£7.28	£5.54
ZG20-19	19	0.950	1.050	16	6	£7.39	£5.72
ZG20-20	20	1.000	1.100	16	6	£7.56	£5.79
ZG20-21	21	1.050	1.150	18	6	£7.73	£5.90
ZG20-22	22	1.100	1.200	18	6	£7.82	£5.95
ZG20-23	23	1.150	1.250	18	6	£7.93	£6.06
ZG20-24	24	1.200	1.300	18	6	£8.10	£6.14
ZG20-25	25	1.250	1.350	18	6	£8.20	£6.32
ZG20-26	26	1.300	1.400	18	6	£8.47	£6.43
ZG20-27	27	1.350	1.450	18	6	£8.67	£6.65
ZG20-28	28	1.400	1.500	18	6	£8.88	£6.75
ZG20-29	29	1.450	1.550	18	6	£9.08	£6.99
ZG20-30	30	1.500	1.600	18	6	£9.30	£7.09
ZG20-31	31	1.550	1.650	18	6	£9.47	£7.27

23.112



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
ZG20-32	32	1.600	1.700	18	6	£9.57	£7.36
ZG20-33	33	1.650	1.750	18	6	£9.68	£7.39
ZG20-34	34	1.700	1.800	18	6	£9.93	£7.56
ZG20-35	35	1.750	1.850	18	6	£12.75	£9.74
ZG20-40	40	2.000	2.100	18	6	£16.93	£13.01
ZG20-41	41	2.050	2.150	22	8	£17.28	£13.27
ZG20-42	42	2.100	2.200	22	8	£17.59	£13.48
ZG20-43	43	2.150	2.250	22	8	£17.88	£13.65
ZG20-44	44	2.200	2.300	22	8	£18.18	£13.95
ZG20-45	45	2.250	2.350	22	8	£18.61	£14.26
ZG20-46	46	2.300	2.400	22	8	£18.69	£14.33
ZG20-47	47	2.350	2.450	22	8	£18.90	£14.50
ZG20-48	48	2.400	2.500	22	8	£21.74	£16.65
ZG20-49	49	2.450	2.550	22	8	£21.96	£16.81
ZG20-50	50	2.500	2.600	22	8	£22.12	£16.98
ZG20-51	51	2.550	2.650	22	8	£22.31	£17.18
ZG20-52	52	2.600	2.700	22	8	£22.51	£17.28
ZG20-53	53	2.650	2.750	22	8	£22.89	£17.52
ZG20-54	54	2.700	2.800	22	8	£23.25	£17.87
ZG20-55	55	2.750	2.850	26	10	£23.43	£17.99
ZG20-56	56	2.800	2.900	26	10	£23.89	£18.37
ZG20-57	57	2.850	2.950	26	10	£24.31	£18.65
ZG20-58	58	2.900	3.000	26	10	£24.55	£18.78
ZG20-59	59	2.950	3.050	26	10	£26.37	£20.20
ZG20-60	60	3.000	3.100	26	10	£26.57	£20.37
ZG20-61	61	3.050	3.150	26	10	£26.93	£20.66
ZG20-62	62	3.100	3.200	26	10	£27.33	£20.96
ZG20-63	63	3.150	3.250	26	10	£27.53	£21.09
ZG20-64	64	3.200	3.300	26	10	£27.74	£21.27
ZG20-65	65	3.250	3.350	26	10	£27.99	£21.37
ZG20-66	66	3.300	3.400	26	10	£28.02	£21.44
ZG20-68	68	3.400	3.500	26	10	£28.24	£21.65
ZG20-70	70	3.500	3.600	26	10	£28.37	£21.71
ZG20-72	72	3.600	3.700	26	10	£31.85	£24.40
ZG20-73	73	3.650	3.750	26	10	£33.26	£25.48
ZG20-74	74	3.700	3.800	26	10	£34.88	£26.69
ZG20-76	76	3.800	3.900	26	10	£35.54	£27.25
ZG20-78	78	3.900	4.000	26	10	£36.27	£27.88
ZG20-80	80	4.000	4.100	30	12	£41.62	£31.90
ZG20-84	84	4.200	4.300	30	12	£45.02	£34.52
ZG20-88	88	4.400	4.500	30	12	£49.15	£39.30
ZG20-90	90	4.500	4.600	40	15	£54.07	£42.82
ZG20-96	96	4.800	4.900	40	15	£59.97	£44.95
ZG20-100	100	5.000	5.100	40	15	£60.75	£46.58
ZG20-112	112	5.600	5.700	50	20	£65.42	£49.80
ZG20-120	120	6.000	6.100	50	20	£70.37	£54.18

'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.

