

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

12 DP

17°45' H.A.

20° P.A.

ALTERNATIVE : Brass, Tufnol or Delrin

SPECIAL TEETH : between 9 - 120



TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol	
variations at back	TORQUE Nm.	40.16	158.89	20.08	14.34
	K.W.	9.21	16.650	2.104	1.506

RH 17°45'

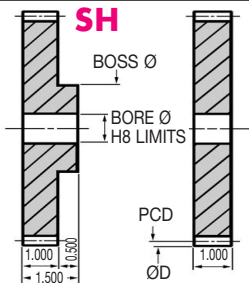


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

	List Price
1 - 5	
6 - 19	- 12%
20 - 39	- 25%
40 - 59	- 33%
60 - 99	- 37%
100 - 200	- 42%

PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						SH	PSH
SH12-9	9	0.875	1.042	0.937	0.500	£17.88	£14.90
SH12-10	10	0.875	1.042	0.937	0.500	£17.89	£14.95
SH12-11	11	0.963	1.129	0.937	0.500	£17.90	£14.95
SH12-12	12	1.050	1.217	0.937	0.500	£17.94	£14.96
SH12-13	13	1.138	1.304	0.937	0.500	£17.98	£15.95
SH12-14	14	1.225	1.392	0.937	0.500	£20.12	£16.90
SH12-15	15	1.313	1.479	0.937	0.500	£21.21	£17.90
SH12-16	16	1.400	1.567	0.937	0.500	£22.26	£18.88
SH12-17	17	1.488	1.654	0.937	0.625	£22.81	£19.42
SH12-18	18	1.575	1.742	1.250	0.625	£23.31	£19.95
SH12-19	19	1.663	1.829	1.250	0.625	£23.91	£20.36
SH12-20	20	1.750	1.917	1.250	0.625	£24.40	£20.88
SH12-21	21	1.838	2.004	1.250	0.625	£25.40	£21.92
SH12-22	22	1.925	2.092	1.250	0.625	£26.66	£22.90
SH12-23	23	2.013	2.179	1.250	0.625	£27.42	£23.92
SH12-24	24	2.100	2.267	1.250	0.625	£28.69	£24.81
SH12-25	25	2.188	2.354	1.250	0.625	£29.10	£25.40
SH12-26	26	2.275	2.442	1.250	0.625	£29.89	£26.12
SH12-27	27	2.363	2.529	1.250	0.625	£30.81	£26.80
SH12-28	28	2.450	2.617	1.250	0.625	£31.77	£27.31
SH12-29	29	2.538	2.704	1.250	0.625	£32.33	£28.13
SH12-30	30	2.625	2.792	1.250	0.625	£32.99	£28.79
SH12-31	31	2.713	2.879	1.250	0.625	£33.97	£29.81

Helical Gears Parallel Axis Steel DP 12

24.70



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	
						SH	PSH
SH12-32	32	2.800	2.967	1.250	0.625	£33.99	£30.76
SH12-33	33	2.888	3.054	1.250	0.625	£38.50	£32.71
SH12-34	34	2.975	3.142	1.250	0.625	£40.02	£33.61
SH12-35	35	3.063	3.229	1.250	0.625	£40.93	£34.23
SH12-36	36	3.150	3.317	1.500	0.625	£41.82	£34.75
SH12-37	37	3.238	3.404	1.500	0.625	£42.91	£35.70
SH12-38	38	3.325	3.492	1.500	0.625	£43.73	£36.54
SH12-39	39	3.413	3.579	1.500	0.625	£45.11	£37.71
SH12-40	40	3.500	3.667	1.500	0.625	£48.48	£40.68
SH12-41	41	3.588	3.754	1.500	0.625	£48.90	£40.98
SH12-42	42	3.675	3.842	1.500	0.625	£49.39	£41.30
SH12-43	43	3.763	3.929	1.500	0.625	£49.84	£41.66
SH12-44	44	3.850	4.017	1.500	0.625	£50.19	£42.20
SH12-45	45	3.938	4.104	1.500	0.625	£50.60	£42.56
SH12-46	46	4.025	4.192	1.500	0.625	£50.99	£42.81
SH12-47	47	4.113	4.279	1.500	0.625	£51.45	£43.21
SH12-48	48	4.200	4.367	1.500	0.625	£51.77	£43.66
SH12-49	49	4.288	4.454	1.500	0.625	£53.15	£44.70
SH12-50	50	4.375	4.542	1.500	0.625	£54.36	£45.58
SH12-51	51	4.463	4.629	1.500	0.625	£55.46	£46.59
SH12-52	52	4.550	4.717	1.500	0.625	£56.91	£48.25
SH12-53	53	4.638	4.804	1.500	0.625	£58.18	£49.21
SH12-54	54	4.725	4.892	1.500	0.625	£59.01	£50.10
SH12-55	55	4.813	4.979	1.500	0.625	£60.31	£51.71
SH12-56	56	4.900	5.067	1.500	0.625	£61.66	£52.48
SH12-57	57	4.988	5.154	1.750	0.750	£62.71	£53.59
SH12-58	58	5.075	5.242	1.750	0.750	£64.17	£54.56
SH12-59	59	5.163	5.329	1.750	0.750	£66.12	£55.57
SH12-60	60	5.250	5.417	1.750	0.750	£68.40	£56.82
SH12-62	62	5.425	5.592	1.750	0.750	£71.57	£58.29
SH12-64	64	5.600	5.767	1.750	0.750	£73.96	£60.00
SH12-65	65	5.688	5.854	1.750	0.750	£76.57	£61.49
SH12-66	66	5.775	5.942	1.750	0.750	£80.04	£63.21
SH12-68	68	5.950	6.117	1.750	0.750	£80.23	£64.17
SH12-70	70	6.125	6.292	1.750	0.750	£82.37	£64.93
SH12-71	71	6.213	6.379	1.750	0.750	£83.29	£65.59
SH12-72	72	6.300	6.467	1.750	0.750	£85.29	£66.41
SH12-73	73	6.388	6.554	1.750	0.750	£90.49	£72.41
SH12-74	74	6.475	6.642	1.750	0.750	£94.86	£75.87
SH12-75	75	6.563	6.729	1.750	0.750	£99.60	£79.64
SH12-76	76	6.650	6.817	1.750	0.750	£103.62	£82.86
SH12-78	78	6.825	6.992	1.750	0.750	£111.09	£90.46
SH12-80	80	7.000	7.167	1.750	0.750	£121.14	£96.84
SH12-86	86	7.525	7.692	1.750	0.750	£131.92	£104.25
SH12-90	90	7.875	8.042	1.750	0.750	£138.96	£111.17
SH12-96	96	8.400	8.567	1.750	0.750	£146.50	£117.20
SH12-98	98	8.575	8.742	1.750	0.750	£154.80	£123.81
SH12-100	100	8.750	8.917	1.750	0.750	£168.58	£134.89
SH12-105	105	9.188	9.354	1.750	0.750	£183.88	£147.13
SH12-110	110	9.625	9.792	1.750	0.750	£197.75	£158.17
SH12-115	115	10.063	10.229	1.750	0.750	£213.12	£170.46
SH12-120	120	10.500	10.667	1.750	0.750	£229.82	£183.77

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



Helical Gears

Materials

Plastic - Parallel Axis

STD : White Delrin
(fully machined)

12 DP

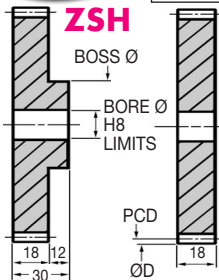
17°45' H.A.
20° P.A.

SPECIAL TEETH : between 9 - 96



SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 8.00



DISCOUNTS	
	List Price
1 - 5	
6 - 29	- 22%
30 - 99	- 44%
100 - 399	- 47%
400 - 999	- 50%
1000 - 5000	- 53%

RH 17°45'



LH 17°45'

LH runs with RH

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 (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH12-9	9	0.875	1.042	0.944	10	£8.93	£6.82
ZSH12-10	10	0.875	1.042	0.944	10	£8.94	£6.87
ZSH12-11	11	0.963	1.129	0.944	10	£8.96	£6.87
ZSH12-12	12	1.050	1.217	0.944	10	£9.86	£7.56
ZSH12-13	13	1.138	1.304	0.944	10	£9.93	£7.63
ZSH12-14	14	1.225	1.392	0.944	10	£11.12	£8.53
ZSH12-15	15	1.313	1.479	0.984	12	£11.73	£8.93
ZSH12-16	16	1.400	1.567	1.063	12	£13.99	£10.73
ZSH12-17	17	1.488	1.654	1.181	12	£14.35	£10.99
ZSH12-18	18	1.575	1.742	1.181	12	£14.66	£11.21
ZSH12-19	19	1.663	1.829	1.181	12	£15.06	£11.51
ZSH12-20	20	1.750	1.917	1.181	12	£15.38	£11.76
ZSH12-21	21	1.838	2.004	1.181	12	£19.20	£14.72
ZSH12-22	22	1.925	2.092	1.181	12	£20.12	£15.42
ZSH12-23	23	2.013	2.179	1.181	12	£20.70	£15.86
ZSH12-24	24	2.100	2.267	1.181	12	£21.68	£16.64
ZSH12-25	25	2.188	2.354	1.181	12	£21.98	£17.02
ZSH12-26	26	2.275	2.442	1.181	12	£25.61	£19.66
ZSH12-27	27	2.363	2.529	1.181	12	£26.44	£20.29
ZSH12-28	28	2.450	2.617	1.181	12	£27.51	£20.96
ZSH12-29	29	2.538	2.704	1.181	12	£27.68	£21.62
ZSH12-30	30	2.625	2.792	1.181	12	£28.28	£21.68
ZSH12-31	31	2.713	2.879	1.181	12	£29.16	£21.80

Helical Gears Parallel Axis Plastic DP 12

24.72



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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH12-32	32	2.800	2.967	1.181	12	£29.65	£22.05
ZSH12-33	33	2.888	3.054	1.181	12	£30.41	£22.20
ZSH12-34	34	2.975	3.142	1.181	12	£36.34	£27.88
ZSH12-35	35	3.063	3.229	1.181	12	£37.15	£28.50
ZSH12-36	36	3.150	3.317	1.378	15	£37.98	£29.10
ZSH12-37	37	3.238	3.404	1.378	15	£38.90	£29.85
ZSH12-38	38	3.325	3.492	1.378	15	£39.68	£30.43
ZSH12-39	39	3.413	3.579	1.378	15	£45.51	£34.93
ZSH12-40	40	3.500	3.667	1.378	15	£48.92	£37.49
ZSH12-41	41	3.588	3.754	1.378	15	£49.35	£37.79
ZSH12-42	42	3.675	3.842	1.378	15	£49.84	£38.24
ZSH12-43	43	3.763	3.929	1.378	15	£55.36	£42.48
ZSH12-44	44	3.850	4.017	1.378	15	£55.76	£42.72
ZSH12-45	45	3.938	4.104	1.378	15	£56.13	£43.06
ZSH12-46	46	4.025	4.192	1.378	15	£56.60	£43.43
ZSH12-47	47	4.113	4.279	1.378	15	£57.12	£43.79
ZSH12-48	48	4.200	4.367	1.378	15	£57.49	£44.04
ZSH12-49	49	4.288	4.454	1.378	15	£59.00	£45.25
ZSH12-50	50	4.375	4.542	1.378	15	£60.31	£46.24
ZSH12-51	51	4.463	4.629	1.378	15	£61.52	£47.21
ZSH12-52	52	4.550	4.717	1.378	15	£63.21	£48.48
ZSH12-53	53	4.638	4.804	1.378	15	£70.48	£54.04
ZSH12-54	54	4.725	4.892	1.378	15	£71.47	£54.83
ZSH12-55	55	4.813	4.979	1.378	15	£73.03	£56.04
ZSH12-56	56	4.900	5.067	1.378	15	£74.69	£57.27
ZSH12-57	57	4.988	5.154	1.378	15	£75.91	£58.75
ZSH12-58	58	5.075	5.242	1.378	15	£77.72	£59.63
ZSH12-59	59	5.163	5.329	1.378	15	£80.05	£61.46
ZSH12-60	60	5.250	5.417	1.378	15	£82.82	£63.54
ZSH12-62	62	5.425	5.592	1.378	15	£89.57	£68.83
ZSH12-64	64	5.600	5.767	1.378	15	£93.93	£72.10
ZSH12-65	65	5.688	5.854	1.574	15	£97.92	£77.08
ZSH12-66	66	5.775	5.942	1.574	15	£104.07	£80.59
ZSH12-68	68	5.950	6.117	1.574	15	£105.31	£80.76
ZSH12-70	70	6.125	6.292	1.574	15	£108.11	£82.88
ZSH12-71	71	6.213	6.379	1.574	15	£126.06	£96.78
ZSH12-72	72	6.300	6.467	1.574	15	£129.15	£99.07
ZSH12-73	73	6.388	6.554	1.574	15	£137.03	£105.12
ZSH12-74	74	6.475	6.642	1.574	15	£143.61	£110.20
ZSH12-75	75	6.563	6.729	1.968	20	£150.81	£115.65
ZSH12-76	76	6.650	6.817	1.968	20	£156.88	£120.34
ZSH12-78	78	6.825	6.992	1.968	20	£168.18	£129.04
ZSH12-80	80	7.000	7.167	1.968	20	£183.39	£140.69
ZSH12-86	86	7.525	7.692	1.968	20	£199.63	£153.15
ZSH12-90	90	7.875	8.042	1.968	20	£231.49	£177.63
ZSH12-96	96	8.400	8.567	1.968	20	£243.99	£187.20

Helical Gears Parallel Axis Plastic Dp 12

'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.

Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN

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24.73