

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

17°45'H.A. ALTERNATIVE : Brass, Tufnol or Delrin

2 MOD

20° P.A.

SPECIAL TEETH : between 9 - 120



TORQUE CHECK		214M15	214M15	Brass	Tufnol
50 teeth x 1000 rpm		303S21	Cse/HD		
variations	TORQUE Nm.	33.89	134.05	16.94	12.10
at back	K.W.	3.56	14.04	1.78	1.27

RH 17°45'

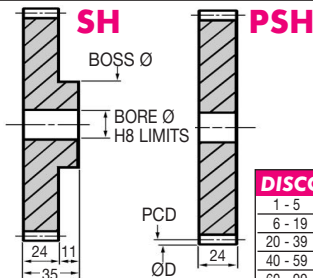


LH 17°45'

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 (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH2-9	9	21.00	25.00	25	12	0.075	0.043	£17.89	£14.90
SH2-10	10	21.00	25.00	25	12	0.075	0.043	£17.90	£14.95
SH2-11	11	23.10	27.10	25	12	0.088	0.056	£17.94	£14.95
SH2-12	12	25.20	29.20	25	12	0.103	0.071	£17.98	£14.96
SH2-13	13	27.30	31.30	25	12	0.119	0.087	£19.04	£15.95
SH2-14	14	29.40	33.40	25	12	0.136	0.104	£20.12	£16.92
SH2-15	15	31.50	35.50	25	15	0.137	0.111	£21.21	£17.90
SH2-16	16	33.60	37.60	25	15	0.157	0.130	£22.26	£18.88
SH2-17	17	35.70	39.70	25	15	0.178	0.151	£22.74	£19.42
SH2-18	18	37.80	41.80	30	15	0.218	0.174	£23.31	£19.95
SH2-19	19	39.90	43.90	30	15	0.242	0.197	£23.91	£20.42
SH2-20	20	42.00	46.00	30	15	0.267	0.222	£24.40	£20.91
SH2-21	21	44.10	48.10	30	15	0.293	0.248	£25.07	£21.38
SH2-22	22	46.20	50.20	35	15	0.342	0.275	£25.52	£21.92
SH2-23	23	48.30	52.30	35	15	0.370	0.304	£26.04	£22.43
SH2-24	24	50.40	54.40	35	15	0.400	0.334	£26.60	£22.90
SH2-25	25	52.50	56.50	35	15	0.431	0.365	£28.13	£24.85
SH2-26	26	54.60	58.60	35	15	0.464	0.398	£28.95	£25.86
SH2-27	27	56.70	60.70	40	20	0.485	0.406	£29.93	£26.80
SH2-28	28	58.80	62.80	40	20	0.520	0.441	£30.61	£27.51
SH2-29	29	60.90	64.90	40	20	0.557	0.477	£31.35	£28.14
SH2-30	30	63.00	67.00	40	20	0.594	0.515	£32.05	£28.79
SH2-31	31	65.10	69.10	40	20	0.633	0.554	£33.36	£29.79

Helical Gears Parallel Axis Steel MOD 2

24.28



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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH2-32	32	67.20	71.20	40	20	0.673	0.594	£34.84	£30.76
SH2-33	33	69.30	73.30	40	20	0.714	0.635	£35.54	£31.35
SH2-34	34	71.40	75.40	40	20	0.757	0.678	£37.29	£32.05
SH2-35	35	73.50	77.50	50	20	0.860	0.722	£38.50	£32.71
SH2-36	36	75.60	79.60	50	20	0.906	0.767	£40.65	£34.75
SH2-37	37	77.70	81.70	50	20	0.952	0.813	£41.16	£35.47
SH2-38	38	79.80	83.80	50	20	1.000	0.861	£42.24	£36.25
SH2-39	39	81.90	85.90	50	20	1.049	0.910	£43.22	£36.98
SH2-40	40	84.00	88.00	50	20	1.099	0.960	£43.99	£37.71
SH2-41	41	86.10	90.10	50	20	1.150	1.012	£44.80	£38.28
SH2-42	42	88.20	92.20	50	20	1.203	1.064	£45.35	£38.86
SH2-43	43	90.30	94.30	50	20	1.257	1.118	£45.92	£39.53
SH2-44	44	92.40	96.40	50	20	1.313	1.174	£46.60	£40.06
SH2-45	45	94.50	98.50	50	20	1.369	1.230	£47.33	£40.68
SH2-46	46	96.60	100.60	50	20	1.427	1.288	£48.45	£41.66
SH2-47	47	98.70	102.70	50	20	1.486	1.347	£49.56	£42.67
SH2-48	48	100.80	104.80	50	20	1.547	1.408	£50.99	£43.66
SH2-49	49	102.90	106.90	50	20	1.608	1.470	£52.53	£45.15
SH2-50	50	105.00	109.00	50	20	1.671	1.533	£54.56	£46.59
SH2-51	51	107.10	111.10	50	20	1.736	1.597	£55.65	£47.47
SH2-52	52	109.20	113.20	50	20	1.801	1.662	£56.60	£48.38
SH2-53	53	111.30	115.30	50	20	1.868	1.729	£57.28	£49.21
SH2-54	54	113.40	117.40	50	20	1.936	1.797	£58.22	£50.10
SH2-55	55	115.50	119.50	50	20	2.005	1.867	£63.91	£53.59
SH2-56	56	117.60	121.60	50	20	2.076	1.937	£65.27	£54.20
SH2-57	57	119.70	123.70	50	20	2.148	2.009	£66.58	£54.89
SH2-58	58	121.80	125.80	50	20	2.221	2.082	£67.80	£55.50
SH2-59	59	123.90	127.90	50	20	2.295	2.157	£68.51	£56.12
SH2-60	60	126.00	130.00	50	20	2.371	2.232	£69.53	£56.82
SH2-62	62	130.20	134.20	50	20	2.526	2.387	£71.19	£58.93
SH2-64	64	134.40	138.40	50	20	2.687	2.548	£72.94	£61.12
SH2-65	65	136.50	140.50	50	20	2.769	2.630	£76.37	£63.27
SH2-66	66	138.60	142.60	50	20	2.852	2.713	£77.70	£64.29
SH2-68	68	142.80	146.80	50	20	3.022	2.884	£78.89	£65.40
SH2-70	70	147.00	151.00	50	20	3.198	3.059	£80.85	£66.43
SH2-71	71	149.10	153.10	50	20	3.288	3.149	£85.29	£71.06
SH2-72	72	151.20	155.20	50	20	3.379	3.240	£90.49	£75.40
SH2-73	73	153.30	157.30	50	20	3.471	3.332	£94.14	£78.45
SH2-74	74	155.40	159.40	50	20	3.564	3.426	£96.79	£80.72
SH2-75	75	157.50	161.50	50	20	3.659	3.520	£100.01	£83.34
SH2-76	76	159.60	163.60	50	20	3.755	3.616	£104.95	£87.46
SH2-78	78	163.80	167.80	50	20	3.951	3.812	£110.35	£91.98
SH2-80	80	168.00	172.00	50	20	4.152	4.013	£121.14	£100.89
SH2-86	86	180.60	184.60	50	20	4.786	4.647	£130.35	£108.59
SH2-90	90	189.00	193.00	50	20	5.234	5.095	£144.62	£120.50
SH2-96	96	201.60	205.60	50	20	5.943	5.805	£154.80	£129.00
SH2-98	98	205.80	209.80	50	20	6.190	6.051	£168.40	£140.34
SH2-100	100	210.00	214.00	50	20	6.442	6.303	£179.74	£149.78
SH2-105	105	220.50	224.50	50	20	7.094	6.955	£186.45	£155.35
SH2-110	110	231.00	235.00	50	20	7.778	7.639	£199.23	£166.01
SH2-115	115	241.50	245.50	50	20	8.494	8.355	£213.12	£177.55
SH2-120	120	252.00	256.00	50	20	9.241	9.102	£231.53	£192.93

Please consult Technical for larger sizes.



Helical Gears

Materials

Plastic - Parallel Axis

2 MOD

17°45'H.A.
20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 9 - 80



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



RH 17°45'

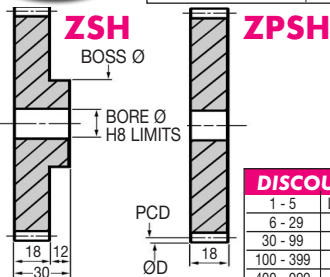


LH 17°45'

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

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

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH2-9	9	21.00	25.00	24	10	0.044	0.037	£8.91	£6.81
ZSH2-10	10	21.00	25.00	24	10	0.044	0.037	£8.93	£6.82
ZSH2-11	11	23.10	27.10	24	10	0.056	0.047	£8.94	£6.87
ZSH2-12	12	25.20	29.20	24	10	0.069	0.058	£8.96	£6.87
ZSH2-13	13	27.30	31.30	24	10	0.084	0.070	£10.50	£8.02
ZSH2-14	14	29.40	33.40	24	10	0.099	0.083	£11.12	£8.53
ZSH2-15	15	31.50	35.50	25	12	0.110	0.092	£11.73	£8.93
ZSH2-16	16	33.60	37.60	27	12	0.128	0.107	£12.32	£9.40
ZSH2-17	17	35.70	39.70	30	12	0.146	0.122	£12.62	£9.60
ZSH2-18	18	37.80	41.80	30	12	0.166	0.139	£12.89	£9.86
ZSH2-19	19	39.90	43.90	30	12	0.188	0.157	£13.27	£10.12
ZSH2-20	20	42.00	46.00	30	12	0.210	0.175	£15.38	£11.76
ZSH2-21	21	44.10	48.10	30	12	0.234	0.195	£15.77	£12.08
ZSH2-22	22	46.20	50.20	30	12	0.258	0.215	£16.09	£12.32
ZSH2-23	23	48.30	52.30	30	12	0.284	0.237	£16.42	£12.52
ZSH2-24	24	50.40	54.40	30	12	0.310	0.259	£20.12	£15.42
ZSH2-25	25	52.50	56.50	30	12	0.339	0.283	£21.24	£16.25
ZSH2-26	26	54.60	58.60	30	12	0.368	0.307	£21.91	£16.73
ZSH2-27	27	56.70	60.70	30	12	0.398	0.332	£22.68	£17.34
ZSH2-28	28	58.80	62.80	30	12	0.429	0.358	£23.15	£17.76
ZSH2-29	29	60.90	64.90	30	12	0.463	0.386	£26.90	£20.64
ZSH2-30	30	63.00	67.00	30	12	0.468	0.414	£27.51	£21.09
ZSH2-31	31	65.10	69.10	30	12	0.497	0.443	£28.61	£21.96

24.30



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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Helical Gears Parallel Axis Plastic MOD 2

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH2-32	32	67.20	71.20	30	12	0.527	0.473	£29.85	£22.90
ZSH2-33	33	69.30	73.30	30	12	0.558	0.504	£30.43	£23.31
ZSH2-34	34	71.40	75.40	30	12	0.590	0.536	£33.85	£25.95
ZSH2-35	35	73.50	77.50	30	12	0.623	0.569	£34.93	£26.80
ZSH2-36	36	75.60	79.60	35	15	0.666	0.594	£36.93	£28.28
ZSH2-37	37	77.70	81.70	35	15	0.701	0.629	£37.34	£28.66
ZSH2-38	38	79.80	83.80	35	15	0.737	0.665	£38.30	£29.40
ZSH2-39	39	81.90	85.90	35	15	0.773	0.701	£39.22	£30.08
ZSH2-40	40	84.00	88.00	35	15	0.811	0.739	£39.94	£30.72
ZSH2-41	41	86.10	90.10	35	15	0.850	0.778	£40.68	£31.16
ZSH2-42	42	88.20	92.20	35	15	0.889	0.817	£41.15	£31.54
ZSH2-43	43	90.30	94.30	35	15	0.930	0.858	£46.34	£35.54
ZSH2-44	44	92.40	96.40	35	15	0.971	0.899	£47.04	£36.06
ZSH2-45	45	94.50	98.50	35	15	1.014	0.942	£47.77	£36.67
ZSH2-46	46	96.60	100.60	35	15	1.057	0.985	£53.47	£41.24
ZSH2-47	47	98.70	102.70	35	15	1.102	1.030	£55.01	£42.22
ZSH2-48	48	100.80	104.80	35	15	1.147	1.075	£56.60	£43.43
ZSH2-49	49	102.90	106.90	35	15	1.193	1.121	£58.32	£44.73
ZSH2-50	50	105.00	109.00	35	15	1.240	1.168	£60.55	£46.49
ZSH2-51	51	107.10	111.10	35	15	1.289	1.217	£61.80	£47.35
ZSH2-52	52	109.20	113.20	35	15	1.338	1.266	£62.84	£48.24
ZSH2-53	53	111.30	115.30	35	15	1.388	1.316	£63.57	£48.79
ZSH2-54	54	113.40	117.40	35	15	1.439	1.367	£64.58	£49.51
ZSH2-55	55	115.50	119.50	35	15	1.491	1.419	£70.92	£54.42
ZSH2-56	56	117.60	121.60	35	15	1.544	1.472	£79.05	£60.72
ZSH2-57	57	119.70	123.70	35	15	1.598	1.526	£80.59	£61.83
ZSH2-58	58	121.80	125.80	35	15	1.653	1.581	£82.08	£63.00
ZSH2-59	59	123.90	127.90	35	15	1.708	1.636	£83.03	£63.61
ZSH2-60	60	126.00	130.00	35	15	1.765	1.693	£84.15	£64.56
ZSH2-62	62	130.20	134.20	35	15	1.882	1.810	£86.23	£66.19
ZSH2-64	64	134.40	138.40	35	15	2.002	1.930	£88.33	£67.76
ZSH2-65	65	136.50	140.50	40	15	2.090	1.991	£100.28	£76.88
ZSH2-66	66	138.60	142.60	40	15	2.153	2.054	£101.96	£78.19
ZSH2-68	68	142.80	146.80	40	15	2.281	2.182	£103.43	£79.43
ZSH2-70	70	147.00	151.00	40	15	2.412	2.313	£106.08	£81.38
ZSH2-71	71	149.10	153.10	40	15	2.480	2.381	£111.90	£85.83
ZSH2-72	72	151.20	155.20	40	15	2.548	2.449	£118.74	£91.11
ZSH2-73	73	153.30	157.30	40	15	2.617	2.518	£123.54	£94.77
ZSH2-74	74	155.40	159.40	40	15	2.687	2.588	£126.95	£97.40
ZSH2-75	75	157.50	161.50	50	15	2.823	2.659	£151.44	£116.19
ZSH2-76	76	159.60	163.60	50	15	2.895	2.731	£158.89	£121.89
ZSH2-78	78	163.80	167.80	50	15	3.042	2.878	£167.02	£128.15
ZSH2-80	80	168.00	172.00	50	15	3.193	3.029	£183.39	£140.69

Up to Ø750 mm

'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.

