

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

1.5 MOD

17°45' H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 9 - 120

TORQUE CHECK 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	TORQUE Nm.	12.71	50.29	6.36	4.54
	K.W.	1.34	5.27	0.66	0.48



RH 17°45'

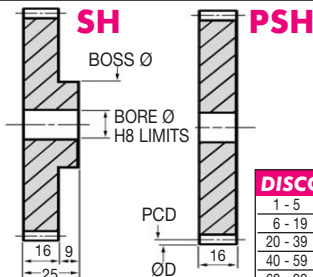


LH 17°45'

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
SH1.5-9	9	15.75	18.75	18	8	0.032	0.018	£11.14	£10.30
SH1.5-10	10	15.75	18.75	18	8	0.032	0.018	£11.18	£10.31
SH1.5-11	11	17.33	20.33	18	8	0.037	0.023	£11.18	£10.32
SH1.5-12	12	18.90	21.90	18	8	0.042	0.028	£11.19	£10.33
SH1.5-13	13	20.48	23.48	18	8	0.048	0.034	£11.25	£10.72
SH1.5-14	14	22.05	25.05	18	8	0.055	0.041	£11.26	£11.06
SH1.5-15	15	23.63	26.63	18	8	0.062	0.048	£11.58	£11.35
SH1.5-16	16	25.20	28.20	20	10	0.068	0.051	£11.85	£11.73
SH1.5-17	17	26.78	29.78	20	10	0.076	0.059	£12.21	£12.10
SH1.5-18	18	28.35	31.35	20	10	0.084	0.068	£12.58	£12.43
SH1.5-19	19	29.93	32.93	20	10	0.093	0.077	£13.06	£12.50
SH1.5-20	20	31.50	34.50	20	10	0.102	0.086	£13.69	£12.51
SH1.5-21	21	33.08	36.08	20	10	0.112	0.096	£13.89	£12.61
SH1.5-22	22	34.65	37.65	20	10	0.122	0.106	£14.00	£12.69
SH1.5-23	23	36.23	39.23	20	10	0.133	0.117	£14.22	£12.80
SH1.5-24	24	37.80	40.80	25	12	0.150	0.124	£14.40	£12.89
SH1.5-25	25	39.38	42.38	25	12	0.161	0.135	£15.12	£12.92
SH1.5-26	26	40.95	43.95	25	12	0.173	0.147	£15.84	£12.97
SH1.5-27	27	42.53	45.53	25	12	0.186	0.160	£16.40	£13.21
SH1.5-28	28	44.10	47.10	25	12	0.199	0.173	£16.86	£13.42
SH1.5-29	29	45.68	48.68	25	12	0.213	0.187	£17.09	£13.65
SH1.5-30	30	47.25	50.25	25	12	0.227	0.201	£17.60	£13.89
SH1.5-31	31	48.83	51.83	25	12	0.241	0.215	£17.86	£14.27



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH1.5-32	32	50.40	53.40	25	12	0.256	0.230	£18.22	£14.40
SH1.5-33	33	51.98	54.98	25	12	0.272	0.246	£18.38	£14.78
SH1.5-34	34	53.55	56.55	25	12	0.298	0.272	£18.53	£14.90
SH1.5-35	35	55.13	58.13	30	15	0.307	0.271	£18.76	£15.08
SH1.5-36	36	56.70	59.70	30	15	0.324	0.288	£19.71	£15.25
SH1.5-37	37	58.28	61.28	30	15	0.341	0.305	£20.11	£15.46
SH1.5-38	38	59.85	62.85	30	15	0.359	0.323	£20.56	£15.69
SH1.5-39	39	61.43	64.43	30	15	0.378	0.341	£21.03	£16.11
SH1.5-40	40	63.00	66.00	40	15	0.434	0.360	£21.47	£16.50
SH1.5-41	41	64.58	67.58	40	15	0.454	0.379	£21.48	£17.04
SH1.5-42	42	66.15	69.15	40	15	0.474	0.399	£21.49	£17.54
SH1.5-43	43	67.73	70.73	40	15	0.494	0.419	£21.54	£18.08
SH1.5-44	44	69.30	72.30	40	15	0.515	0.440	£21.54	£18.59
SH1.5-45	45	70.88	73.88	40	15	0.536	0.461	£21.96	£19.12
SH1.5-46	46	72.45	75.45	40	15	0.557	0.483	£22.41	£19.59
SH1.5-47	47	74.03	77.03	40	15	0.580	0.505	£22.87	£20.11
SH1.5-48	48	75.60	78.60	40	15	0.602	0.528	£23.44	£20.67
SH1.5-49	49	77.18	80.18	40	15	0.626	0.551	£24.51	£21.18
SH1.5-50	50	78.75	81.75	40	15	0.649	0.575	£26.28	£21.70
SH1.5-51	51	80.33	83.33	40	15	0.673	0.599	£27.00	£22.24
SH1.5-52	52	81.90	84.90	40	15	0.698	0.623	£27.51	£22.73
SH1.5-53	53	83.48	86.48	40	15	0.723	0.648	£27.95	£23.26
SH1.5-54	54	85.05	88.05	40	15	0.748	0.674	£28.09	£23.74
SH1.5-55	55	86.63	89.63	40	15	0.774	0.700	£28.26	£24.12
SH1.5-56	56	88.20	91.20	40	15	0.801	0.726	£28.44	£24.51
SH1.5-57	57	89.78	92.78	40	15	0.828	0.753	£28.73	£24.84
SH1.5-58	58	91.35	94.35	40	15	0.855	0.781	£28.84	£25.20
SH1.5-59	59	92.93	95.93	40	15	0.883	0.809	£29.02	£25.55
SH1.5-60	60	94.50	97.50	40	15	0.911	0.837	£29.14	£25.88
SH1.5-62	62	97.65	100.65	40	15	0.970	0.895	£29.69	£26.28
SH1.5-64	64	100.80	103.80	40	15	1.030	0.955	£30.11	£26.59
SH1.5-65	65	102.38	105.38	40	15	1.061	0.986	£30.81	£26.94
SH1.5-66	66	103.95	106.95	40	15	1.092	1.017	£31.97	£27.49
SH1.5-68	68	107.10	110.10	40	15	1.156	1.081	£32.70	£27.88
SH1.5-70	70	110.25	113.25	40	15	1.222	1.147	£33.85	£28.18
SH1.5-71	71	111.83	114.83	40	15	1.255	1.181	£34.06	£28.98
SH1.5-72	72	113.40	116.40	40	15	1.289	1.215	£35.78	£29.81
SH1.5-73	73	114.98	117.98	40	15	1.324	1.250	£36.70	£30.52
SH1.5-74	74	116.55	119.55	40	15	1.359	1.285	£37.93	£31.62
SH1.5-75	75	118.13	121.13	40	15	1.395	1.320	£38.12	£31.73
SH1.5-76	76	119.70	122.70	40	15	1.431	1.356	£38.30	£31.92
SH1.5-78	78	122.85	125.85	40	15	1.504	1.430	£40.18	£33.49
SH1.5-80	80	126.00	129.00	40	15	1.579	1.505	£41.71	£34.76
SH1.5-86	86	135.45	138.45	40	15	1.817	1.743	£44.80	£37.31
SH1.5-90	90	141.75	144.75	40	15	1.985	1.911	£48.03	£39.99
SH1.5-96	96	151.20	154.20	40	15	2.251	2.177	£51.20	£42.62
SH1.5-98	98	154.35	157.35	40	15	2.344	2.269	£54.36	£45.29
SH1.5-100	100	157.50	160.50	40	15	2.438	2.364	£57.82	£48.20
SH1.5-105	105	165.38	168.38	40	15	2.683	2.608	£61.68	£51.38
SH1.5-110	110	173.25	176.25	40	15	2.939	2.865	£66.55	£55.46
SH1.5-115	115	181.13	184.13	40	15	3.208	3.133	£74.17	£61.77
SH1.5-120	120	189.00	192.00	40	15	3.488	3.413	£82.85	£69.02

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)

1.5 MOD 17°45' H.A.

20° P.A.

SPECIAL TEETH : between 9 - 100

SPECIALS
ON DEMAND

TORQUE CHECK

50 teeth x 1000 rpm

variations
at back

TORQUE Nm.

3.00

Helical Gears Parallel Axis Plastic MOD 1.5



RH 17°45'

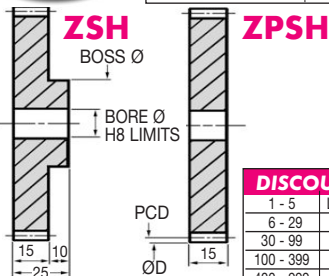


LH 17°45'

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
ZSH1.5-9	9	15.75	18.75	18	6	0.022	0.019	£5.26	£4.04
ZSH1.5-10	10	15.75	18.75	18	6	0.022	0.019	£5.26	£4.06
ZSH1.5-11	11	17.33	20.33	18	6	0.028	0.024	£5.27	£4.09
ZSH1.5-12	12	18.90	21.90	18	6	0.034	0.029	£5.30	£4.09
ZSH1.5-13	13	20.48	23.48	18	6	0.042	0.035	£5.48	£4.22
ZSH1.5-14	14	22.05	25.05	20	8	0.045	0.038	£5.66	£4.29
ZSH1.5-15	15	23.63	26.63	20	8	0.054	0.045	£5.79	£4.43
ZSH1.5-16	16	25.20	28.20	20	8	0.061	0.051	£5.95	£4.53
ZSH1.5-17	17	26.78	29.78	20	8	0.070	0.059	£6.76	£5.17
ZSH1.5-18	18	28.35	31.35	24	8	0.080	0.067	£6.95	£5.30
ZSH1.5-19	19	29.93	32.93	25	8	0.090	0.075	£7.22	£5.48
ZSH1.5-20	20	31.50	34.50	25	8	0.100	0.084	£7.55	£5.79
ZSH1.5-21	21	33.08	36.08	25	8	0.111	0.093	£7.90	£5.90
ZSH1.5-22	22	34.65	37.65	25	8	0.122	0.102	£8.10	£5.95
ZSH1.5-23	23	36.23	39.23	25	8	0.135	0.113	£8.44	£6.00
ZSH1.5-24	24	37.80	40.80	25	8	0.147	0.123	£9.12	£6.95
ZSH1.5-25	25	39.38	42.38	25	8	0.160	0.134	£9.51	£7.25
ZSH1.5-26	26	40.95	43.95	25	8	0.174	0.145	£10.07	£7.65
ZSH1.5-27	27	42.53	45.53	25	8	0.188	0.157	£10.33	£7.90
ZSH1.5-28	28	44.10	47.10	25	8	0.204	0.170	£10.55	£8.13
ZSH1.5-29	29	45.68	48.68	25	8	0.218	0.182	£10.75	£8.20
ZSH1.5-30	30	47.25	50.25	25	8	0.234	0.195	£11.06	£8.49
ZSH1.5-31	31	48.83	51.83	28	10	0.247	0.206	£11.26	£8.61

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Unit 14, Foxwood Industrial Park, Foxwood Road, Chesterfield, Derbyshire S41 9RN

Telephone +44(0)1246 268080

Fax +44(0)1246 260003

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH1.5-32	32	50.40	53.40	28	10	0.264	0.220	£11.52	£8.79
ZSH1.5-33	33	51.98	54.98	28	10	0.282	0.235	£11.57	£8.87
ZSH1.5-34	34	54.55	56.55	28	10	0.300	0.259	£11.69	£8.98
ZSH1.5-35	35	55.13	58.13	28	10	0.306	0.265	£11.82	£9.02
ZSH1.5-36	36	56.70	59.70	28	10	0.322	0.281	£14.87	£11.38
ZSH1.5-37	37	58.28	61.28	28	10	0.338	0.297	£15.19	£11.62
ZSH1.5-38	38	59.85	62.85	28	10	0.355	0.314	£15.82	£11.93
ZSH1.5-39	39	61.43	64.43	28	10	0.372	0.331	£16.03	£12.18
ZSH1.5-40	40	63.00	66.00	30	12	0.390	0.345	£16.21	£12.42
ZSH1.5-41	41	64.58	67.58	30	12	0.408	0.363	£16.22	£12.43
ZSH1.5-42	42	66.15	69.15	30	12	0.427	0.381	£16.23	£12.44
ZSH1.5-43	43	67.73	70.73	30	12	0.446	0.401	£16.24	£12.45
ZSH1.5-44	44	69.30	72.30	30	12	0.465	0.420	£16.25	£12.46
ZSH1.5-45	45	70.88	73.88	30	12	0.485	0.440	£16.60	£12.71
ZSH1.5-46	46	72.45	75.45	30	12	0.506	0.460	£19.23	£14.73
ZSH1.5-47	47	74.03	77.03	30	12	0.527	0.481	£19.59	£15.05
ZSH1.5-48	48	75.60	78.60	30	12	0.548	0.502	£20.09	£15.39
ZSH1.5-49	49	77.18	80.18	30	12	0.569	0.524	£20.99	£16.11
ZSH1.5-50	50	78.75	81.75	30	12	0.592	0.546	£22.52	£17.26
ZSH1.5-51	51	80.33	83.33	30	12	0.614	0.569	£23.15	£17.75
ZSH1.5-52	52	81.90	84.90	30	12	0.637	0.592	£23.62	£18.08
ZSH1.5-53	53	83.48	86.48	30	12	0.661	0.615	£23.97	£18.38
ZSH1.5-54	54	85.05	88.05	30	12	0.685	0.639	£24.09	£18.43
ZSH1.5-55	55	86.63	89.63	30	12	0.709	0.664	£25.63	£19.72
ZSH1.5-56	56	88.20	91.20	30	12	0.734	0.688	£25.82	£19.81
ZSH1.5-57	57	89.78	92.78	30	12	0.759	0.714	£26.06	£19.98
ZSH1.5-58	58	91.35	94.35	30	12	0.785	0.739	£26.20	£20.09
ZSH1.5-59	59	92.93	95.93	30	12	0.811	0.766	£26.33	£20.21
ZSH1.5-60	60	94.50	97.50	30	12	0.838	0.792	£29.37	£22.54
ZSH1.5-62	62	97.65	100.65	30	12	0.892	0.847	£29.95	£23.01
ZSH1.5-64	64	100.80	103.80	30	12	0.948	0.903	£30.30	£23.30
ZSH1.5-65	65	102.38	105.38	30	12	0.977	0.932	£31.11	£23.87
ZSH1.5-66	66	103.95	106.95	40	12	1.049	0.961	£32.26	£25.20
ZSH1.5-68	68	107.10	110.10	40	12	1.109	1.021	£32.98	£25.27
ZSH1.5-70	70	110.25	113.25	40	12	1.170	1.083	£34.19	£26.20
ZSH1.5-71	71	111.83	114.83	40	12	1.202	1.114	£36.97	£27.66
ZSH1.5-72	72	113.40	116.40	40	12	1.234	1.146	£39.70	£27.70
ZSH1.5-73	73	114.98	117.98	40	12	1.266	1.179	£42.31	£32.48
ZSH1.5-74	74	116.55	119.55	40	12	1.299	1.212	£42.50	£32.85
ZSH1.5-75	75	118.13	121.13	40	12	1.333	1.245	£44.62	£34.20
ZSH1.5-76	76	119.70	122.70	40	12	1.366	1.279	£46.27	£35.52
ZSH1.5-78	78	122.85	125.85	40	12	1.435	1.348	£48.15	£37.55
ZSH1.5-80	80	126.00	129.00	40	12	1.506	1.418	£49.32	£37.82
ZSH1.5-86	86	135.45	138.45	40	12	1.728	1.641	£61.96	£47.56
ZSH1.5-90	90	141.75	144.75	40	12	1.886	1.798	£65.87	£50.40
ZSH1.5-96	96	151.20	154.20	50	15	2.135	2.048	£75.92	£58.25
ZSH1.5-100	100	157.50	160.50	50	15	2.311	2.223	£84.55	£66.86

'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.