

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

2 MOD

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

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'

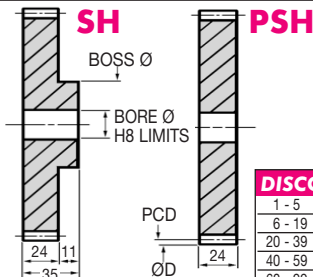


LH 17°45'

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	£15.19	£12.64
SH2-10	10	21.00	25.00	25	12	0.075	0.043	£15.20	£12.69
SH2-11	11	23.10	27.10	25	12	0.088	0.056	£15.21	£12.69
SH2-12	12	25.20	29.20	25	12	0.103	0.071	£15.25	£12.71
SH2-13	13	27.30	31.30	25	12	0.119	0.087	£16.16	£13.53
SH2-14	14	29.40	33.40	25	12	0.136	0.104	£17.06	£14.35
SH2-15	15	31.50	35.50	25	15	0.137	0.111	£18.01	£15.20
SH2-16	16	33.60	37.60	25	15	0.157	0.130	£18.90	£16.02
SH2-17	17	35.70	39.70	25	15	0.178	0.151	£19.30	£16.48
SH2-18	18	37.80	41.80	30	15	0.218	0.174	£19.78	£16.94
SH2-19	19	39.90	43.90	30	15	0.242	0.197	£20.29	£17.32
SH2-20	20	42.00	46.00	30	15	0.267	0.222	£20.71	£17.76
SH2-21	21	44.10	48.10	30	15	0.293	0.248	£21.26	£18.13
SH2-22	22	46.20	50.20	35	15	0.342	0.275	£21.64	£18.60
SH2-23	23	48.30	52.30	35	15	0.370	0.304	£22.08	£19.03
SH2-24	24	50.40	54.40	35	15	0.400	0.334	£22.55	£19.41
SH2-25	25	52.50	56.50	35	15	0.431	0.365	£23.86	£21.08
SH2-26	26	54.60	58.60	35	15	0.464	0.398	£24.56	£21.93
SH2-27	27	56.70	60.70	40	20	0.485	0.406	£25.40	£22.72
SH2-28	28	58.80	62.80	40	20	0.520	0.441	£25.98	£23.34
SH2-29	29	60.90	64.90	40	20	0.557	0.477	£26.61	£23.87
SH2-30	30	63.00	67.00	40	20	0.594	0.515	£27.18	£24.42
SH2-31	31	65.10	69.10	40	20	0.633	0.554	£28.29	£25.26



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	£29.55	£26.08
SH2-33	33	69.30	73.30	40	20	0.714	0.635	£30.16	£26.61
SH2-34	34	71.40	75.40	40	20	0.757	0.678	£31.62	£27.18
SH2-35	35	73.50	77.50	50	20	0.860	0.722	£32.64	£27.75
SH2-36	36	75.60	79.60	50	20	0.906	0.767	£34.46	£29.47
SH2-37	37	77.70	81.70	50	20	0.952	0.813	£34.90	£30.07
SH2-38	38	79.80	83.80	50	20	1.000	0.861	£35.82	£30.74
SH2-39	39	81.90	85.90	50	20	1.049	0.910	£36.65	£31.36
SH2-40	40	84.00	88.00	50	20	1.099	0.960	£37.31	£31.98
SH2-41	41	86.10	90.10	50	20	1.150	1.012	£37.99	£32.46
SH2-42	42	88.20	92.20	50	20	1.203	1.064	£38.44	£32.96
SH2-43	43	90.30	94.30	50	20	1.257	1.118	£38.94	£33.52
SH2-44	44	92.40	96.40	50	20	1.313	1.174	£39.51	£33.98
SH2-45	45	94.50	98.50	50	20	1.369	1.230	£40.13	£34.49
SH2-46	46	96.60	100.60	50	20	1.427	1.288	£41.09	£35.32
SH2-47	47	98.70	102.70	50	20	1.486	1.347	£42.02	£36.18
SH2-48	48	100.80	104.80	50	20	1.547	1.408	£43.23	£37.02
SH2-49	49	102.90	106.90	50	20	1.608	1.470	£44.54	£38.28
SH2-50	50	105.00	109.00	50	20	1.671	1.533	£46.26	£39.50
SH2-51	51	107.10	111.10	50	20	1.736	1.597	£47.19	£40.26
SH2-52	52	109.20	113.20	50	20	1.801	1.662	£48.01	£41.01
SH2-53	53	111.30	115.30	50	20	1.868	1.729	£48.57	£41.73
SH2-54	54	113.40	117.40	50	20	1.936	1.797	£49.37	£42.48
SH2-55	55	115.50	119.50	50	20	2.005	1.867	£54.19	£45.43
SH2-56	56	117.60	121.60	50	20	2.076	1.937	£55.35	£45.96
SH2-57	57	119.70	123.70	50	20	2.148	2.009	£56.45	£46.54
SH2-58	58	121.80	125.80	50	20	2.221	2.082	£57.49	£47.05
SH2-59	59	123.90	127.90	50	20	2.295	2.157	£58.09	£47.60
SH2-60	60	126.00	130.00	50	20	2.371	2.232	£58.95	£48.18
SH2-62	62	130.20	134.20	50	20	2.526	2.387	£60.36	£49.98
SH2-64	64	134.40	138.40	50	20	2.687	2.548	£61.83	£51.82
SH2-65	65	136.50	140.50	50	20	2.769	2.630	£64.76	£53.64
SH2-66	66	138.60	142.60	50	20	2.852	2.713	£65.89	£54.51
SH2-68	68	142.80	146.80	50	20	3.022	2.884	£66.87	£55.44
SH2-70	70	147.00	151.00	50	20	3.198	3.059	£68.55	£56.32
SH2-71	71	149.10	153.10	50	20	3.288	3.149	£72.31	£60.25
SH2-72	72	151.20	155.20	50	20	3.379	3.240	£76.72	£63.93
SH2-73	73	153.30	157.30	50	20	3.471	3.332	£79.81	£66.53
SH2-74	74	155.40	159.40	50	20	3.564	3.426	£82.06	£68.43
SH2-75	75	157.50	161.50	50	20	3.659	3.520	£84.80	£70.64
SH2-76	76	159.60	163.60	50	20	3.755	3.616	£88.99	£74.14
SH2-78	78	163.80	167.80	50	20	3.951	3.812	£93.54	£77.98
SH2-80	80	168.00	172.00	50	20	4.152	4.013	£102.70	£85.54
SH2-86	86	180.60	184.60	50	20	4.786	4.647	£110.49	£92.05
SH2-90	90	189.00	193.00	50	20	5.234	5.095	£122.60	£102.15
SH2-96	96	201.60	205.60	50	20	5.943	5.805	£131.23	£109.37
SH2-98	98	205.80	209.80	50	20	6.190	6.051	£142.76	£118.99
SH2-100	100	210.00	214.00	50	20	6.442	6.303	£152.38	£126.99
SH2-105	105	220.50	224.50	50	20	7.094	6.955	£158.07	£131.69
SH2-110	110	231.00	235.00	50	20	7.778	7.639	£168.89	£140.72
SH2-115	115	241.50	245.50	50	20	8.494	8.355	£180.65	£150.52
SH2-120	120	252.00	256.00	50	20	9.241	9.102	£196.26	£163.56

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'

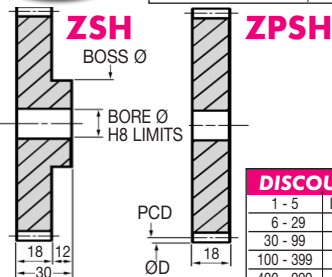


LH 17°45'

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	£7.57	£5.79
ZSH2-10	10	21.00	25.00	24	10	0.044	0.037	£7.58	£5.80
ZSH2-11	11	23.10	27.10	24	10	0.056	0.047	£7.59	£5.85
ZSH2-12	12	25.20	29.20	24	10	0.069	0.058	£7.61	£5.85
ZSH2-13	13	27.30	31.30	24	10	0.084	0.070	£8.91	£6.83
ZSH2-14	14	29.40	33.40	24	10	0.099	0.083	£9.45	£7.26
ZSH2-15	15	31.50	35.50	25	12	0.110	0.092	£9.96	£7.58
ZSH2-16	16	33.60	37.60	27	12	0.128	0.107	£10.46	£7.98
ZSH2-17	17	35.70	39.70	30	12	0.146	0.122	£10.72	£8.16
ZSH2-18	18	37.80	41.80	30	12	0.166	0.139	£10.95	£8.38
ZSH2-19	19	39.90	43.90	30	12	0.188	0.157	£11.27	£8.60
ZSH2-20	20	42.00	46.00	30	12	0.210	0.175	£13.04	£9.99
ZSH2-21	21	44.10	48.10	30	12	0.234	0.195	£13.40	£10.27
ZSH2-22	22	46.20	50.20	30	12	0.258	0.215	£13.66	£10.46
ZSH2-23	23	48.30	52.30	30	12	0.284	0.237	£13.93	£10.63
ZSH2-24	24	50.40	54.40	30	12	0.310	0.259	£17.06	£13.08
ZSH2-25	25	52.50	56.50	30	12	0.339	0.283	£18.03	£13.81
ZSH2-26	26	54.60	58.60	30	12	0.368	0.307	£18.59	£14.20
ZSH2-27	27	56.70	60.70	30	12	0.398	0.332	£19.24	£14.72
ZSH2-28	28	58.80	62.80	30	12	0.429	0.358	£19.64	£15.07
ZSH2-29	29	60.90	64.90	30	12	0.463	0.386	£22.82	£17.50
ZSH2-30	30	63.00	67.00	30	12	0.468	0.414	£23.34	£17.89
ZSH2-31	31	65.10	69.10	30	12	0.497	0.443	£24.27	£18.64



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	£25.33	£19.41
ZSH2-33	33	69.30	73.30	30	12	0.558	0.504	£25.81	£19.78
ZSH2-34	34	71.40	75.40	30	12	0.590	0.536	£28.71	£22.02
ZSH2-35	35	73.50	77.50	30	12	0.623	0.569	£29.61	£22.72
ZSH2-36	36	75.60	79.60	35	15	0.666	0.594	£31.31	£23.99
ZSH2-37	37	77.70	81.70	35	15	0.701	0.629	£31.68	£24.31
ZSH2-38	38	79.80	83.80	35	15	0.737	0.665	£32.48	£24.94
ZSH2-39	39	81.90	85.90	35	15	0.773	0.701	£33.26	£25.53
ZSH2-40	40	84.00	88.00	35	15	0.811	0.739	£33.87	£26.04
ZSH2-41	41	86.10	90.10	35	15	0.850	0.778	£34.49	£26.44
ZSH2-42	42	88.20	92.20	35	15	0.889	0.817	£34.89	£26.74
ZSH2-43	43	90.30	94.30	35	15	0.930	0.858	£39.29	£30.16
ZSH2-44	44	92.40	96.40	35	15	0.971	0.899	£39.90	£30.60
ZSH2-45	45	94.50	98.50	35	15	1.014	0.942	£40.52	£31.09
ZSH2-46	46	96.60	100.60	35	15	1.057	0.985	£45.35	£34.99
ZSH2-47	47	98.70	102.70	35	15	1.102	1.030	£46.65	£35.80
ZSH2-48	48	100.80	104.80	35	15	1.147	1.075	£48.01	£36.82
ZSH2-49	49	102.90	106.90	35	15	1.193	1.121	£49.44	£37.94
ZSH2-50	50	105.00	109.00	35	15	1.240	1.168	£51.34	£39.43
ZSH2-51	51	107.10	111.10	35	15	1.289	1.217	£52.41	£40.15
ZSH2-52	52	109.20	113.20	35	15	1.338	1.266	£53.29	£40.92
ZSH2-53	53	111.30	115.30	35	15	1.388	1.316	£53.90	£41.38
ZSH2-54	54	113.40	117.40	35	15	1.439	1.367	£54.76	£41.99
ZSH2-55	55	115.50	119.50	35	15	1.491	1.419	£60.14	£46.15
ZSH2-56	56	117.60	121.60	35	15	1.544	1.472	£67.02	£51.47
ZSH2-57	57	119.70	123.70	35	15	1.598	1.526	£68.33	£52.43
ZSH2-58	58	121.80	125.80	35	15	1.653	1.581	£69.59	£53.40
ZSH2-59	59	123.90	127.90	35	15	1.708	1.636	£70.39	£53.95
ZSH2-60	60	126.00	130.00	35	15	1.765	1.693	£71.36	£54.75
ZSH2-62	62	130.20	134.20	35	15	1.882	1.810	£73.11	£56.12
ZSH2-64	64	134.40	138.40	35	15	2.002	1.930	£74.90	£57.46
ZSH2-65	65	136.50	140.50	40	15	2.090	1.991	£85.02	£65.19
ZSH2-66	66	138.60	142.60	40	15	2.153	2.054	£86.44	£66.30
ZSH2-68	68	142.80	146.80	40	15	2.281	2.182	£87.70	£67.34
ZSH2-70	70	147.00	151.00	40	15	2.412	2.313	£89.94	£69.01
ZSH2-71	71	149.10	153.10	40	15	2.480	2.381	£94.87	£72.77
ZSH2-72	72	151.20	155.20	40	15	2.548	2.449	£100.65	£77.24
ZSH2-73	73	153.30	157.30	40	15	2.617	2.518	£104.74	£80.35
ZSH2-74	74	155.40	159.40	40	15	2.687	2.588	£107.61	£82.58
ZSH2-75	75	157.50	161.50	50	15	2.823	2.659	£128.38	£98.50
ZSH2-76	76	159.60	163.60	50	15	2.895	2.731	£134.70	£103.34
ZSH2-78	78	163.80	167.80	50	15	3.042	2.878	£141.59	£108.64
ZSH2-80	80	168.00	172.00	50	15	3.193	3.029	£155.45	£119.28

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.

