

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'

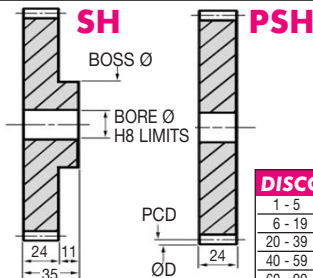


LH 17°45'

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	£14.47	£12.04
SH2-10	10	21.00	25.00	25	12	0.075	0.043	£14.48	£12.09
SH2-11	11	23.10	27.10	25	12	0.088	0.056	£14.49	£12.09
SH2-12	12	25.20	29.20	25	12	0.103	0.071	£14.52	£12.10
SH2-13	13	27.30	31.30	25	12	0.119	0.087	£15.39	£12.89
SH2-14	14	29.40	33.40	25	12	0.136	0.104	£16.25	£13.67
SH2-15	15	31.50	35.50	25	15	0.137	0.111	£17.15	£14.48
SH2-16	16	33.60	37.60	25	15	0.157	0.130	£18.00	£15.26
SH2-17	17	35.70	39.70	25	15	0.178	0.151	£18.38	£15.70
SH2-18	18	37.80	41.80	30	15	0.218	0.174	£18.84	£16.13
SH2-19	19	39.90	43.90	30	15	0.242	0.197	£19.32	£16.50
SH2-20	20	42.00	46.00	30	15	0.267	0.222	£19.72	£16.91
SH2-21	21	44.10	48.10	30	15	0.293	0.248	£20.25	£17.27
SH2-22	22	46.20	50.20	35	15	0.342	0.275	£20.61	£17.71
SH2-23	23	48.30	52.30	35	15	0.370	0.304	£21.03	£18.12
SH2-24	24	50.40	54.40	35	15	0.400	0.334	£21.48	£18.49
SH2-25	25	52.50	56.50	35	15	0.431	0.365	£22.72	£20.08
SH2-26	26	54.60	58.60	35	15	0.464	0.398	£23.39	£20.89
SH2-27	27	56.70	60.70	40	20	0.485	0.406	£24.19	£21.64
SH2-28	28	58.80	62.80	40	20	0.520	0.441	£24.74	£22.23
SH2-29	29	60.90	64.90	40	20	0.557	0.477	£25.34	£22.73
SH2-30	30	63.00	67.00	40	20	0.594	0.515	£25.89	£23.26
SH2-31	31	65.10	69.10	40	20	0.633	0.554	£26.94	£24.06

612



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	
						SH	PSH	SH	PSH
SH2-32	32	67.20	71.20	40	20	0.673	0.594	£28.14	£24.84
SH2-33	33	69.30	73.30	40	20	0.714	0.635	£28.72	£25.34
SH2-34	34	71.40	75.40	40	20	0.757	0.678	£30.11	£25.89
SH2-35	35	73.50	77.50	50	20	0.860	0.722	£31.09	£26.43
SH2-36	36	75.60	79.60	50	20	0.906	0.767	£32.82	£28.07
SH2-37	37	77.70	81.70	50	20	0.952	0.813	£33.24	£28.64
SH2-38	38	79.80	83.80	50	20	1.000	0.861	£34.11	£29.28
SH2-39	39	81.90	85.90	50	20	1.049	0.910	£34.90	£29.87
SH2-40	40	84.00	88.00	50	20	1.099	0.960	£35.53	£30.46
SH2-41	41	86.10	90.10	50	20	1.150	1.012	£36.18	£30.91
SH2-42	42	88.20	92.20	50	20	1.203	1.064	£36.61	£31.39
SH2-43	43	90.30	94.30	50	20	1.257	1.118	£37.09	£31.92
SH2-44	44	92.40	96.40	50	20	1.313	1.174	£37.63	£32.36
SH2-45	45	94.50	98.50	50	20	1.369	1.230	£38.22	£32.85
SH2-46	46	96.60	100.60	50	20	1.427	1.288	£39.13	£33.64
SH2-47	47	98.70	102.70	50	20	1.486	1.347	£40.02	£34.46
SH2-48	48	100.80	104.80	50	20	1.547	1.408	£41.17	£35.26
SH2-49	49	102.90	106.90	50	20	1.608	1.470	£42.42	£36.46
SH2-50	50	105.00	109.00	50	20	1.671	1.533	£44.06	£37.62
SH2-51	51	107.10	111.10	50	20	1.736	1.597	£44.94	£38.34
SH2-52	52	109.20	113.20	50	20	1.801	1.662	£45.72	£39.06
SH2-53	53	111.30	115.30	50	20	1.868	1.729	£46.26	£39.74
SH2-54	54	113.40	117.40	50	20	1.936	1.797	£47.02	£40.46
SH2-55	55	115.50	119.50	50	20	2.005	1.867	£51.61	£43.27
SH2-56	56	117.60	121.60	50	20	2.076	1.937	£52.71	£43.77
SH2-57	57	119.70	123.70	50	20	2.148	2.009	£53.76	£44.32
SH2-58	58	121.80	125.80	50	20	2.221	2.082	£54.75	£44.81
SH2-59	59	123.90	127.90	50	20	2.295	2.157	£55.32	£45.33
SH2-60	60	126.00	130.00	50	20	2.371	2.232	£56.14	£45.89
SH2-62	62	130.20	134.20	50	20	2.526	2.387	£57.49	£47.60
SH2-64	64	134.40	138.40	50	20	2.687	2.548	£58.89	£49.35
SH2-65	65	136.50	140.50	50	20	2.769	2.630	£61.68	£51.09
SH2-66	66	138.60	142.60	50	20	2.852	2.713	£62.75	£51.91
SH2-68	68	142.80	146.80	50	20	3.022	2.884	£63.69	£52.80
SH2-70	70	147.00	151.00	50	20	3.198	3.059	£65.29	£53.64
SH2-71	71	149.10	153.10	50	20	3.288	3.149	£68.87	£57.38
SH2-72	72	151.20	155.20	50	20	3.379	3.240	£73.07	£60.89
SH2-73	73	153.30	157.30	50	20	3.471	3.332	£76.01	£63.36
SH2-74	74	155.40	159.40	50	20	3.564	3.426	£78.15	£65.17
SH2-75	75	157.50	161.50	50	20	3.659	3.520	£80.76	£67.28
SH2-76	76	159.60	163.60	50	20	3.755	3.616	£84.75	£70.61
SH2-78	78	163.80	167.80	50	20	3.951	3.812	£89.09	£74.27
SH2-80	80	168.00	172.00	50	20	4.152	4.013	£97.81	£81.47
SH2-86	86	180.60	184.60	50	20	4.786	4.647	£105.23	£87.67
SH2-90	90	189.00	193.00	50	20	5.234	5.095	£116.76	£97.29
SH2-96	96	201.60	205.60	50	20	5.943	5.805	£124.98	£104.16
SH2-98	98	205.80	209.80	50	20	6.190	6.051	£135.96	£113.32
SH2-100	100	210.00	214.00	50	20	6.442	6.303	£145.12	£120.94
SH2-105	105	220.50	224.50	50	20	7.094	6.955	£150.54	£125.42
SH2-110	110	231.00	235.00	50	20	7.778	7.639	£160.85	£134.02
SH2-115	115	241.50	245.50	50	20	8.494	8.355	£172.05	£143.35
SH2-120	120	252.00	256.00	50	20	9.241	9.102	£186.91	£155.77

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'

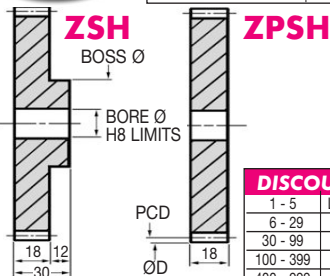


LH 17°45'

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	Discount	List Price
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	£7.21	£5.51
ZSH2-10	10	21.00	25.00	24	10	0.044	0.037	£7.22	£5.52
ZSH2-11	11	23.10	27.10	24	10	0.056	0.047	£7.23	£5.57
ZSH2-12	12	25.20	29.20	24	10	0.069	0.058	£7.25	£5.57
ZSH2-13	13	27.30	31.30	24	10	0.084	0.070	£8.49	£6.50
ZSH2-14	14	29.40	33.40	24	10	0.099	0.083	£9.00	£6.91
ZSH2-15	15	31.50	35.50	25	12	0.110	0.092	£9.49	£7.22
ZSH2-16	16	33.60	37.60	27	12	0.128	0.107	£9.96	£7.60
ZSH2-17	17	35.70	39.70	30	12	0.146	0.122	£10.21	£7.77
ZSH2-18	18	37.80	41.80	30	12	0.166	0.139	£10.43	£7.98
ZSH2-19	19	39.90	43.90	30	12	0.188	0.157	£10.73	£8.19
ZSH2-20	20	42.00	46.00	30	12	0.210	0.175	£12.42	£9.51
ZSH2-21	21	44.10	48.10	30	12	0.234	0.195	£12.76	£9.78
ZSH2-22	22	46.20	50.20	30	12	0.258	0.215	£13.01	£9.96
ZSH2-23	23	48.30	52.30	30	12	0.284	0.237	£13.27	£10.12
ZSH2-24	24	50.40	54.40	30	12	0.310	0.259	£16.25	£12.46
ZSH2-25	25	52.50	56.50	30	12	0.339	0.283	£17.17	£13.15
ZSH2-26	26	54.60	58.60	30	12	0.368	0.307	£17.70	£13.52
ZSH2-27	27	56.70	60.70	30	12	0.398	0.332	£18.32	£14.02
ZSH2-28	28	58.80	62.80	30	12	0.429	0.358	£18.70	£14.35
ZSH2-29	29	60.90	64.90	30	12	0.463	0.386	£21.73	£16.67
ZSH2-30	30	63.00	67.00	30	12	0.468	0.414	£22.23	£17.04
ZSH2-31	31	65.10	69.10	30	12	0.497	0.443	£23.11	£17.75



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	£24.12	£18.49
ZSH2-33	33	69.30	73.30	30	12	0.558	0.504	£24.58	£18.84
ZSH2-34	34	71.40	75.40	30	12	0.590	0.536	£27.34	£20.97
ZSH2-35	35	73.50	77.50	30	12	0.623	0.569	£28.20	£21.64
ZSH2-36	36	75.60	79.60	35	15	0.666	0.594	£29.82	£22.85
ZSH2-37	37	77.70	81.70	35	15	0.701	0.629	£30.17	£23.15
ZSH2-38	38	79.80	83.80	35	15	0.737	0.665	£30.93	£23.75
ZSH2-39	39	81.90	85.90	35	15	0.773	0.701	£31.68	£24.31
ZSH2-40	40	84.00	88.00	35	15	0.811	0.739	£32.26	£24.80
ZSH2-41	41	86.10	90.10	35	15	0.850	0.778	£32.85	£25.18
ZSH2-42	42	88.20	92.20	35	15	0.889	0.817	£33.23	£25.47
ZSH2-43	43	90.30	94.30	35	15	0.930	0.858	£37.42	£28.72
ZSH2-44	44	92.40	96.40	35	15	0.971	0.899	£38.00	£29.14
ZSH2-45	45	94.50	98.50	35	15	1.014	0.942	£38.59	£29.61
ZSH2-46	46	96.60	100.60	35	15	1.057	0.985	£43.19	£33.32
ZSH2-47	47	98.70	102.70	35	15	1.102	1.030	£44.43	£34.10
ZSH2-48	48	100.80	104.80	35	15	1.147	1.075	£45.72	£35.07
ZSH2-49	49	102.90	106.90	35	15	1.193	1.121	£47.09	£36.13
ZSH2-50	50	105.00	109.00	35	15	1.240	1.168	£48.90	£37.55
ZSH2-51	51	107.10	111.10	35	15	1.289	1.217	£49.91	£38.24
ZSH2-52	52	109.20	113.20	35	15	1.338	1.266	£50.75	£38.97
ZSH2-53	53	111.30	115.30	35	15	1.388	1.316	£51.33	£39.41
ZSH2-54	54	113.40	117.40	35	15	1.439	1.367	£52.15	£39.99
ZSH2-55	55	115.50	119.50	35	15	1.491	1.419	£57.28	£43.95
ZSH2-56	56	117.60	121.60	35	15	1.544	1.472	£63.83	£49.02
ZSH2-57	57	119.70	123.70	35	15	1.598	1.526	£65.08	£49.93
ZSH2-58	58	121.80	125.80	35	15	1.653	1.581	£66.28	£50.86
ZSH2-59	59	123.90	127.90	35	15	1.708	1.636	£67.04	£51.38
ZSH2-60	60	126.00	130.00	35	15	1.765	1.693	£67.96	£52.14
ZSH2-62	62	130.20	134.20	35	15	1.882	1.810	£69.63	£53.45
ZSH2-64	64	134.40	138.40	35	15	2.002	1.930	£71.33	£54.72
ZSH2-65	65	136.50	140.50	40	15	2.090	1.991	£80.97	£62.09
ZSH2-66	66	138.60	142.60	40	15	2.153	2.054	£82.32	£63.14
ZSH2-68	68	142.80	146.80	40	15	2.281	2.182	£83.52	£64.13
ZSH2-70	70	147.00	151.00	40	15	2.412	2.313	£85.66	£65.72
ZSH2-71	71	149.10	153.10	40	15	2.480	2.381	£90.35	£69.30
ZSH2-72	72	151.20	155.20	40	15	2.548	2.449	£95.86	£73.56
ZSH2-73	73	153.30	157.30	40	15	2.617	2.518	£99.75	£76.52
ZSH2-74	74	155.40	159.40	40	15	2.687	2.588	£102.49	£78.65
ZSH2-75	75	157.50	161.50	50	15	2.823	2.659	£122.27	£93.81
ZSH2-76	76	159.60	163.60	50	15	2.895	2.731	£128.29	£98.42
ZSH2-78	78	163.80	167.80	50	15	3.042	2.878	£134.85	£103.47
ZSH2-80	80	168.00	172.00	50	15	3.193	3.029	£148.05	£113.60

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.

