

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

0.7 MOD

17°45'H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 9 - 200

TORQUE CHECK		214M15	214M15	Brass	Tufnol
50 teeth x 1000 rpm		303S21	Cse/HD		
variations	TORQUE Nm.	1.73	6.83	0.86	0.62
at back	K.W.	0.179	0.716	0.090	0.067



RH 17°45'

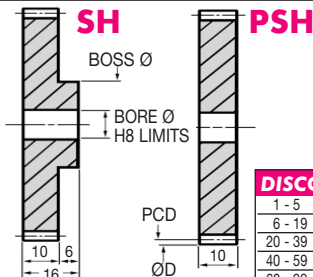


LH 17°45'

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
SH0.7-9	9	7.35	8.75	8.75	4	0.004	0.002	£10.13	£8.43
SH0.7-10	10	7.35	8.75	8.75	4	0.004	0.002	£10.15	£8.44
SH0.7-11	11	8.09	9.49	9.49	5	0.005	0.002	£10.22	£8.45
SH0.7-12	12	8.82	10.22	10.22	5	0.006	0.003	£10.22	£8.46
SH0.7-13	13	9.56	10.96	10.96	5	0.007	0.004	£10.43	£8.69
SH0.7-14	14	10.29	11.69	11.69	5	0.009	0.005	£10.62	£8.84
SH0.7-15	15	11.03	12.43	11.90	5	0.010	0.006	£10.89	£9.09
SH0.7-16	16	11.76	13.16	12.00	5	0.011	0.007	£11.16	£9.29
SH0.7-17	17	12.50	13.90	12.00	5	0.012	0.008	£11.54	£9.61
SH0.7-18	18	13.23	14.63	12.00	5	0.013	0.009	£11.81	£9.77
SH0.7-19	19	13.97	15.37	12.00	5	0.015	0.010	£11.88	£9.90
SH0.7-20	20	14.70	16.10	12.00	5	0.016	0.011	£12.00	£10.00
SH0.7-21	21	15.44	16.84	12.00	5	0.017	0.013	£12.16	£10.07
SH0.7-22	22	16.17	17.57	12.00	5	0.019	0.014	£12.25	£10.24
SH0.7-23	23	16.91	18.31	12.00	5	0.020	0.016	£12.41	£10.32
SH0.7-24	24	17.64	19.04	12.00	5	0.021	0.017	£12.51	£10.38
SH0.7-25	25	18.38	19.78	12.00	5	0.023	0.019	£12.64	£10.52
SH0.7-26	26	19.11	20.51	12.00	5	0.025	0.020	£12.76	£10.61
SH0.7-27	27	19.85	21.25	12.00	5	0.026	0.022	£12.87	£10.74
SH0.7-28	28	20.58	21.98	12.00	5	0.028	0.024	£12.94	£10.78
SH0.7-29	29	21.32	22.72	12.00	5	0.030	0.026	£13.04	£10.85
SH0.7-30	30	22.05	23.45	12.00	5	0.032	0.028	£13.12	£10.90
SH0.7-31	31	22.79	24.19	12.00	5	0.034	0.030	£13.14	£10.98



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH0.7-32	32	23.52	24.92	12	5	0.036	0.032	£13.16	£11.00
SH0.7-33	33	24.26	25.66	16	5	0.042	0.034	£13.21	£11.03
SH0.7-34	34	24.99	26.39	16	6	0.043	0.035	£13.24	£11.04
SH0.7-35	35	25.73	27.13	16	6	0.046	0.038	£13.27	£11.05
SH0.7-36	36	26.46	27.86	16	6	0.048	0.040	£13.32	£11.06
SH0.7-37	37	27.20	28.60	16	6	0.050	0.042	£13.39	£11.12
SH0.7-38	38	27.93	29.33	16	6	0.053	0.045	£13.40	£11.15
SH0.7-39	39	28.67	30.07	16	6	0.055	0.047	£13.43	£11.16
SH0.7-40	40	29.40	30.80	16	6	0.058	0.050	£13.44	£11.19
SH0.7-41	41	30.14	31.54	16	6	0.060	0.052	£13.46	£11.20
SH0.7-42	42	30.87	32.27	16	6	0.063	0.055	£13.49	£11.26
SH0.7-43	43	31.61	33.01	16	6	0.066	0.058	£13.51	£11.27
SH0.7-44	44	32.34	33.74	16	6	0.069	0.061	£13.53	£11.29
SH0.7-45	45	33.08	34.48	16	6	0.072	0.064	£13.57	£11.30
SH0.7-46	46	33.81	35.21	16	6	0.074	0.067	£13.67	£11.34
SH0.7-47	47	34.55	35.95	16	6	0.078	0.070	£13.68	£11.39
SH0.7-48	48	35.28	36.68	16	6	0.081	0.073	£13.73	£11.45
SH0.7-49	49	36.02	37.42	16	6	0.084	0.076	£13.80	£11.49
SH0.7-50	50	36.75	38.15	16	6	0.087	0.079	£13.87	£11.55
SH0.7-51	51	37.49	38.89	16	6	0.090	0.082	£13.95	£11.61
SH0.7-52	52	38.22	39.62	16	6	0.094	0.086	£13.99	£11.62
SH0.7-53	53	38.96	40.36	16	6	0.097	0.089	£14.06	£11.69
SH0.7-54	54	39.69	41.09	16	6	0.100	0.093	£14.13	£11.81
SH0.7-55	55	40.43	41.83	16	6	0.104	0.096	£14.19	£11.82
SH0.7-56	56	41.16	42.56	16	6	0.108	0.100	£14.24	£11.85
SH0.7-57	57	41.90	43.30	16	6	0.111	0.103	£14.29	£11.89
SH0.7-58	58	42.63	44.03	16	6	0.115	0.107	£14.35	£11.92
SH0.7-59	59	43.37	44.77	16	6	0.119	0.111	£14.38	£12.00
SH0.7-60	60	44.10	45.50	16	6	0.123	0.115	£14.54	£12.10
SH0.7-61	61	44.84	46.24	16	6	0.127	0.119	£14.58	£12.12
SH0.7-62	62	45.57	46.97	16	6	0.131	0.123	£14.64	£12.17
SH0.7-63	63	46.31	47.71	16	6	0.135	0.127	£14.68	£12.20
SH0.7-64	64	47.04	48.44	16	6	0.139	0.131	£14.72	£12.25
SH0.7-66	66	48.51	49.91	16	8	0.145	0.138	£14.76	£12.32
SH0.7-68	68	49.98	51.38	16	8	0.153	0.146	£14.86	£12.42
SH0.7-70	70	51.45	52.85	16	8	0.162	0.155	£15.12	£12.55
SH0.7-75	75	55.13	56.63	16	8	0.186	0.179	£15.42	£12.87
SH0.7-76	76	55.86	57.26	16	8	0.191	0.184	£15.88	£13.21
SH0.7-80	80	58.80	60.20	16	8	0.211	0.204	£16.12	£13.43
SH0.7-86	86	63.21	64.61	16	8	0.243	0.236	£16.40	£13.44
SH0.7-88	88	64.68	66.08	16	8	0.255	0.248	£16.74	£13.97
SH0.7-90	90	66.15	67.55	16	8	0.266	0.259	£17.02	£14.15
SH0.7-96	96	70.56	71.96	16	8	0.302	0.295	£18.65	£15.52
SH0.7-100	100	73.50	74.90	16	8	0.328	0.321	£21.64	£18.02
SH0.7-112	112	82.32	83.72	20	8	0.416	0.403	£24.61	£20.50
SH0.7-120	120	88.20	89.60	20	8	0.476	0.464	£29.55	£24.64
SH0.7-127	127	93.35	94.75	20	8	0.532	0.520	£30.30	£25.26
SH0.7-128	128	94.08	95.48	20	8	0.540	0.528	£30.91	£25.78
SH0.7-140	140	102.63	104.30	20	10	0.641	0.629	£33.66	£28.04
SH0.7-150	150	110.25	111.65	25	10	0.747	0.727	£36.51	£30.43
SH0.7-175	175	128.63	130.03	30	15	1.011	0.991	£42.08	£35.05
SH0.7-200	200	147.00	148.40	30	15	1.315	1.295	£46.73	£38.94

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

0.7 MOD

17°45' H.A.
20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 9 - 120



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.40



RH 17°45'

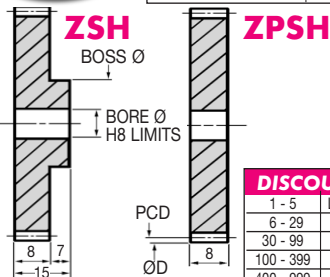


LH 17°45'

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	Discount
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
ZSH0.7-9	9	7.35	8.75	8.75	2	0.0059	0.0024	£4.92	£3.86
ZSH0.7-10	10	7.35	8.75	8.75	2	0.0059	0.0024	£4.99	£3.89
ZSH0.7-11	11	8.09	9.49	9.49	2	0.0068	0.0030	£5.06	£3.90
ZSH0.7-12	12	8.82	10.22	10.22	3	0.0073	0.0033	£5.12	£3.92
ZSH0.7-13	13	9.56	10.96	10.96	3	0.0086	0.0040	£5.24	£4.01
ZSH0.7-14	14	10.29	11.69	11.69	3	0.0100	0.0047	£5.35	£4.08
ZSH0.7-15	15	11.03	12.43	12.43	3	0.0115	0.0054	£5.45	£4.15
ZSH0.7-16	16	11.76	13.16	13.16	3	0.0131	0.0062	£5.57	£4.29
ZSH0.7-17	17	12.50	13.90	13.90	3	0.0148	0.0071	£5.75	£4.43
ZSH0.7-18	18	13.23	14.63	14.63	3	0.0166	0.0080	£5.91	£4.50
ZSH0.7-19	19	13.97	15.37	15.37	3	0.0186	0.0090	£5.96	£4.55
ZSH0.7-20	20	14.70	16.10	16.10	3	0.0208	0.0100	£5.99	£4.63
ZSH0.7-21	21	15.44	16.84	16.84	3	0.0233	0.0110	£6.08	£4.65
ZSH0.7-22	22	16.17	17.57	17.57	3	0.0261	0.0121	£6.18	£4.69
ZSH0.7-23	23	16.91	18.31	18.31	3	0.0291	0.0133	£6.25	£4.71
ZSH0.7-24	24	17.64	19.04	19.04	4	0.0324	0.0146	£6.27	£4.76
ZSH0.7-25	25	18.38	19.78	19.78	4	0.0360	0.0155	£6.34	£4.87
ZSH0.7-26	26	19.11	20.51	20.51	4	0.0400	0.0168	£6.37	£4.92
ZSH0.7-27	27	19.85	21.25	21.25	4	0.0443	0.0182	£6.49	£4.94
ZSH0.7-28	28	20.58	21.98	21.98	4	0.0490	0.0196	£6.51	£4.95
ZSH0.7-29	29	21.32	22.72	22.72	4	0.0540	0.0211	£6.56	£4.97
ZSH0.7-30	30	22.05	23.45	23.45	4	0.0594	0.0226	£6.57	£5.01
ZSH0.7-31	31	22.79	24.19	24.19	4	0.0652	0.0242	£6.58	£5.03



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH0.7-32	32	23.52	24.92	14	4	0.0334	0.0258	£6.59	£5.04
ZSH0.7-33	33	24.26	25.66	14	4	0.0351	0.0275	£6.60	£5.06
ZSH0.7-34	34	24.99	26.39	14	4	0.0368	0.0293	£6.63	£5.10
ZSH0.7-35	35	25.73	27.13	14	4	0.0386	0.0311	£6.64	£5.11
ZSH0.7-36	36	26.46	27.86	14	4	0.0405	0.0329	£6.65	£5.12
ZSH0.7-37	37	27.20	28.60	14	4	0.0424	0.0348	£6.66	£5.13
ZSH0.7-38	38	27.93	29.33	14	4	0.0443	0.0367	£6.68	£5.16
ZSH0.7-39	39	28.67	30.07	16	5	0.0480	0.0383	£7.36	£5.67
ZSH0.7-40	40	29.40	30.80	16	5	0.0501	0.0404	£7.42	£5.68
ZSH0.7-41	41	30.14	31.54	16	5	0.0522	0.0425	£7.42	£5.69
ZSH0.7-42	42	30.87	32.27	16	5	0.0543	0.0446	£7.46	£5.70
ZSH0.7-43	43	31.61	33.01	16	5	0.0566	0.0468	£7.47	£5.71
ZSH0.7-44	44	32.34	33.74	16	5	0.0588	0.0491	£7.49	£5.72
ZSH0.7-45	45	33.08	34.48	16	5	0.0611	0.0514	£7.51	£5.73
ZSH0.7-46	46	33.81	35.21	16	5	0.0635	0.0538	£7.55	£5.74
ZSH0.7-47	47	34.55	35.95	16	5	0.0659	0.0562	£7.57	£5.75
ZSH0.7-48	48	35.28	36.68	16	5	0.0684	0.0586	£7.58	£5.79
ZSH0.7-49	49	36.02	37.42	16	5	0.0709	0.0612	£7.61	£5.85
ZSH0.7-50	50	36.75	38.15	16	5	0.0735	0.0637	£7.68	£5.90
ZSH0.7-51	51	37.49	38.89	16	5	0.0761	0.0664	£7.69	£5.91
ZSH0.7-52	52	38.22	39.62	16	5	0.0787	0.0690	£7.72	£5.94
ZSH0.7-53	53	38.96	40.36	16	5	0.0815	0.0718	£8.84	£6.75
ZSH0.7-54	54	39.69	41.09	16	5	0.0843	0.0745	£8.88	£6.80
ZSH0.7-55	55	40.43	41.83	16	5	0.0871	0.0774	£8.91	£6.83
ZSH0.7-56	56	41.16	42.56	16	5	0.0900	0.0803	£8.96	£6.86
ZSH0.7-57	57	41.90	43.30	16	5	0.0929	0.0832	£8.96	£6.88
ZSH0.7-58	58	42.63	44.03	16	5	0.0959	0.0862	£9.03	£6.89
ZSH0.7-59	59	43.37	44.77	16	5	0.0990	0.0892	£9.04	£6.90
ZSH0.7-60	60	44.10	45.50	16	5	0.1020	0.0923	£9.13	£6.97
ZSH0.7-61	61	44.84	46.24	16	5	0.1052	0.0955	£9.16	£6.98
ZSH0.7-62	62	45.57	46.97	16	5	0.1084	0.0986	£9.18	£7.05
ZSH0.7-63	63	46.31	47.71	16	5	0.1116	0.1019	£9.23	£7.07
ZSH0.7-64	64	47.04	48.44	16	5	0.1149	0.1052	£9.28	£7.10
ZSH0.7-66	66	48.51	49.91	16	5	0.1217	0.1119	£9.31	£7.13
ZSH0.7-68	68	49.98	51.38	18	6	0.1305	0.1184	£11.27	£8.60
ZSH0.7-70	70	51.45	52.85	18	6	0.1377	0.1255	£11.39	£8.76
ZSH0.7-75	75	55.13	56.63	18	6	0.1565	0.1444	£11.68	£8.91
ZSH0.7-76	76	55.86	57.26	18	6	0.1604	0.1483	£11.99	£9.18
ZSH0.7-80	80	58.80	60.20	18	6	0.1766	0.1645	£13.81	£10.57
ZSH0.7-86	86	63.21	64.61	18	6	0.2025	0.1904	£14.06	£10.77
ZSH0.7-88	88	64.68	66.08	18	6	0.2115	0.1994	£14.35	£10.99
ZSH0.7-90	90	66.15	67.55	18	6	0.2208	0.2087	£14.58	£11.19
ZSH0.7-96	96	70.56	71.96	18	6	0.2498	0.2376	£15.99	£12.20
ZSH0.7-100	100	73.50	74.90	18	6	0.2701	0.2580	£18.59	£14.24
ZSH0.7-112	112	82.32	83.72	18	8	0.3362	0.3241	£22.32	£17.10
ZSH0.7-120	120	88.20	89.60	18	8	0.3844	0.3723	£26.83	£20.57

Helical Gears Parallel Axis Plastic MOD 0.7

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