

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

0.7 MOD

17°45'H.A.
20° P.A.

ALTERNATIVE : Brass, Tufnol or Delrin

SPECIAL TEETH : between 9 - 200

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



RH 17°45'

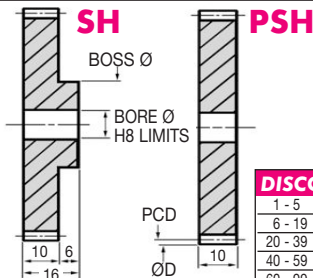


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	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	£9.65	£8.03
SH0.7-10	10	7.35	8.75	8.75	4	0.004	0.002	£9.67	£8.04
SH0.7-11	11	8.09	9.49	9.49	5	0.005	0.002	£9.73	£8.05
SH0.7-12	12	8.82	10.22	10.22	5	0.006	0.003	£9.73	£8.06
SH0.7-13	13	9.56	10.96	10.96	5	0.007	0.004	£9.93	£8.28
SH0.7-14	14	10.29	11.69	11.69	5	0.009	0.005	£10.11	£8.42
SH0.7-15	15	11.03	12.43	11.90	5	0.010	0.006	£10.37	£8.66
SH0.7-16	16	11.76	13.16	12.00	5	0.011	0.007	£10.63	£8.85
SH0.7-17	17	12.50	13.90	12.00	5	0.012	0.008	£10.99	£9.15
SH0.7-18	18	13.23	14.63	12.00	5	0.013	0.009	£11.25	£9.30
SH0.7-19	19	13.97	15.37	12.00	5	0.015	0.010	£11.31	£9.43
SH0.7-20	20	14.70	16.10	12.00	5	0.016	0.011	£11.43	£9.52
SH0.7-21	21	15.44	16.84	12.00	5	0.017	0.013	£11.58	£9.59
SH0.7-22	22	16.17	17.57	12.00	5	0.019	0.014	£11.67	£9.75
SH0.7-23	23	16.91	18.31	12.00	5	0.020	0.016	£11.82	£9.83
SH0.7-24	24	17.64	19.04	12.00	5	0.021	0.017	£11.91	£9.89
SH0.7-25	25	18.38	19.78	12.00	5	0.023	0.019	£12.04	£10.02
SH0.7-26	26	19.11	20.51	12.00	5	0.025	0.020	£12.15	£10.10
SH0.7-27	27	19.85	21.25	12.00	5	0.026	0.022	£12.26	£10.23
SH0.7-28	28	20.58	21.98	12.00	5	0.028	0.024	£12.32	£10.27
SH0.7-29	29	21.32	22.72	12.00	5	0.030	0.026	£12.42	£10.33
SH0.7-30	30	22.05	23.45	12.00	5	0.032	0.028	£12.50	£10.38
SH0.7-31	31	22.79	24.19	12.00	5	0.034	0.030	£12.51	£10.46



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	£12.53	£10.48
SH0.7-33	33	24.26	25.66	16	5	0.042	0.034	£12.58	£10.50
SH0.7-34	34	24.99	26.39	16	6	0.043	0.035	£12.61	£10.51
SH0.7-35	35	25.73	27.13	16	6	0.046	0.038	£12.64	£10.52
SH0.7-36	36	26.46	27.86	16	6	0.048	0.040	£12.69	£10.53
SH0.7-37	37	27.20	28.60	16	6	0.050	0.042	£12.75	£10.59
SH0.7-38	38	27.93	29.33	16	6	0.053	0.045	£12.76	£10.62
SH0.7-39	39	28.67	30.07	16	6	0.055	0.047	£12.79	£10.63
SH0.7-40	40	29.40	30.80	16	6	0.058	0.050	£12.80	£10.66
SH0.7-41	41	30.14	31.54	16	6	0.060	0.052	£12.82	£10.67
SH0.7-42	42	30.87	32.27	16	6	0.063	0.055	£12.85	£10.72
SH0.7-43	43	31.61	33.01	16	6	0.066	0.058	£12.87	£10.73
SH0.7-44	44	32.34	33.74	16	6	0.069	0.061	£12.89	£10.75
SH0.7-45	45	33.08	34.48	16	6	0.072	0.064	£12.92	£10.76
SH0.7-46	46	33.81	35.21	16	6	0.074	0.067	£13.02	£10.80
SH0.7-47	47	34.55	35.95	16	6	0.078	0.070	£13.03	£10.85
SH0.7-48	48	35.28	36.68	16	6	0.081	0.073	£13.08	£10.90
SH0.7-49	49	36.02	37.42	16	6	0.084	0.076	£13.14	£10.94
SH0.7-50	50	36.75	38.15	16	6	0.087	0.079	£13.21	£11.00
SH0.7-51	51	37.49	38.89	16	6	0.090	0.082	£13.29	£11.06
SH0.7-52	52	38.22	39.62	16	6	0.094	0.086	£13.32	£11.07
SH0.7-53	53	38.96	40.36	16	6	0.097	0.089	£13.39	£11.13
SH0.7-54	54	39.69	41.09	16	6	0.100	0.093	£13.46	£11.25
SH0.7-55	55	40.43	41.83	16	6	0.104	0.096	£13.51	£11.26
SH0.7-56	56	41.16	42.56	16	6	0.108	0.100	£13.56	£11.29
SH0.7-57	57	41.90	43.30	16	6	0.111	0.103	£13.61	£11.32
SH0.7-58	58	42.63	44.03	16	6	0.115	0.107	£13.67	£11.35
SH0.7-59	59	43.37	44.77	16	6	0.119	0.111	£13.70	£11.43
SH0.7-60	60	44.10	45.50	16	6	0.123	0.115	£13.85	£11.52
SH0.7-61	61	44.84	46.24	16	6	0.127	0.119	£13.89	£11.54
SH0.7-62	62	45.57	46.97	16	6	0.131	0.123	£13.94	£11.59
SH0.7-63	63	46.31	47.71	16	6	0.135	0.127	£13.98	£11.62
SH0.7-64	64	47.04	48.44	16	6	0.139	0.131	£14.02	£11.67
SH0.7-66	66	48.51	49.91	16	8	0.145	0.138	£14.06	£11.73
SH0.7-68	68	49.98	51.38	16	8	0.153	0.146	£14.15	£11.83
SH0.7-70	70	51.45	52.85	16	8	0.162	0.155	£14.40	£11.95
SH0.7-75	75	55.13	56.63	16	8	0.186	0.179	£14.69	£12.26
SH0.7-76	76	55.86	57.26	16	8	0.191	0.184	£15.12	£12.58
SH0.7-80	80	58.80	60.20	16	8	0.211	0.204	£15.35	£12.79
SH0.7-86	86	63.21	64.61	16	8	0.243	0.236	£15.62	£12.80
SH0.7-88	88	64.68	66.08	16	8	0.255	0.248	£15.94	£13.30
SH0.7-90	90	66.15	67.55	16	8	0.266	0.259	£16.21	£13.48
SH0.7-96	96	70.56	71.96	16	8	0.302	0.295	£17.76	£14.78
SH0.7-100	100	73.50	74.90	16	8	0.328	0.321	£20.61	£17.16
SH0.7-112	112	82.32	83.72	20	8	0.416	0.403	£23.44	£19.52
SH0.7-120	120	88.20	89.60	20	8	0.476	0.464	£28.14	£23.47
SH0.7-127	127	93.35	94.75	20	8	0.532	0.520	£28.86	£24.06
SH0.7-128	128	94.08	95.48	20	8	0.540	0.528	£29.44	£24.55
SH0.7-140	140	102.63	104.30	20	10	0.641	0.629	£32.06	£26.70
SH0.7-150	150	110.25	111.65	25	10	0.747	0.727	£34.77	£28.98
SH0.7-175	175	128.63	130.03	30	15	1.011	0.991	£40.08	£33.38
SH0.7-200	200	147.00	148.40	30	15	1.315	1.295	£44.50	£37.09

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)

0.7 MOD

17°45' H.A.
20° P.A.

SPECIAL TEETH : between 9 - 120



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



RH 17°45'

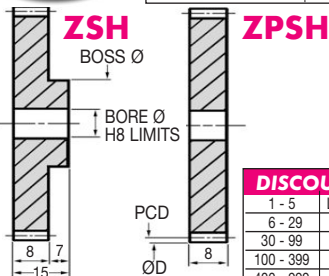


LH 17°45'

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	£4.69	£3.68
ZSH0.7-10	10	7.35	8.75	8.75	2	0.0059	0.0024	£4.75	£3.70
ZSH0.7-11	11	8.09	9.49	9.49	2	0.0068	0.0030	£4.82	£3.71
ZSH0.7-12	12	8.82	10.22	10.22	3	0.0073	0.0033	£4.88	£3.73
ZSH0.7-13	13	9.56	10.96	10.96	3	0.0086	0.0040	£4.99	£3.82
ZSH0.7-14	14	10.29	11.69	11.69	3	0.0100	0.0047	£5.10	£3.89
ZSH0.7-15	15	11.03	12.43	12.43	3	0.0115	0.0054	£5.19	£3.95
ZSH0.7-16	16	11.76	13.16	13.16	3	0.0131	0.0062	£5.30	£4.09
ZSH0.7-17	17	12.50	13.90	13.90	3	0.0148	0.0071	£5.48	£4.22
ZSH0.7-18	18	13.23	14.63	14.63	3	0.0166	0.0080	£5.63	£4.29
ZSH0.7-19	19	13.97	15.37	15.37	3	0.0146	0.0090	£5.68	£4.33
ZSH0.7-20	20	14.70	16.10	16.10	3	0.0156	0.0100	£5.70	£4.41
ZSH0.7-21	21	15.44	16.84	16.84	3	0.0167	0.0110	£5.79	£4.43
ZSH0.7-22	22	16.17	17.57	17.57	3	0.0178	0.0121	£5.89	£4.47
ZSH0.7-23	23	16.91	18.31	18.31	3	0.0190	0.0133	£5.95	£4.49
ZSH0.7-24	24	17.64	19.04	19.04	4	0.0218	0.0142	£5.97	£4.53
ZSH0.7-25	25	18.38	19.78	19.78	4	0.0230	0.0155	£6.04	£4.64
ZSH0.7-26	26	19.11	20.51	20.51	4	0.0244	0.0168	£6.07	£4.69
ZSH0.7-27	27	19.85	21.25	21.25	4	0.0257	0.0182	£6.18	£4.70
ZSH0.7-28	28	20.58	21.98	21.98	4	0.0272	0.0196	£6.20	£4.71
ZSH0.7-29	29	21.32	22.72	22.72	4	0.0287	0.0211	£6.25	£4.73
ZSH0.7-30	30	22.05	23.45	23.45	4	0.0302	0.0226	£6.26	£4.77
ZSH0.7-31	31	22.79	24.19	24.19	4	0.0318	0.0242	£6.27	£4.79



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	£6.28	£4.80
ZSH0.7-33	33	24.26	25.66	14	4	0.0351	0.0275	£6.29	£4.82
ZSH0.7-34	34	24.99	26.39	14	4	0.0368	0.0293	£6.31	£4.86
ZSH0.7-35	35	25.73	27.13	14	4	0.0386	0.0311	£6.32	£4.87
ZSH0.7-36	36	26.46	27.86	14	4	0.0405	0.0329	£6.33	£4.88
ZSH0.7-37	37	27.20	28.60	14	4	0.0424	0.0348	£6.34	£4.89
ZSH0.7-38	38	27.93	29.33	14	4	0.0443	0.0367	£6.36	£4.91
ZSH0.7-39	39	28.67	30.07	16	5	0.0480	0.0383	£7.01	£5.40
ZSH0.7-40	40	29.40	30.80	16	5	0.0501	0.0404	£7.07	£5.41
ZSH0.7-41	41	30.14	31.54	16	5	0.0522	0.0425	£7.07	£5.42
ZSH0.7-42	42	30.87	32.27	16	5	0.0543	0.0446	£7.10	£5.43
ZSH0.7-43	43	31.61	33.01	16	5	0.0566	0.0468	£7.11	£5.44
ZSH0.7-44	44	32.34	33.74	16	5	0.0588	0.0491	£7.13	£5.45
ZSH0.7-45	45	33.08	34.48	16	5	0.0611	0.0514	£7.15	£5.46
ZSH0.7-46	46	33.81	35.21	16	5	0.0635	0.0538	£7.19	£5.47
ZSH0.7-47	47	34.55	35.95	16	5	0.0659	0.0562	£7.21	£5.48
ZSH0.7-48	48	35.28	36.68	16	5	0.0684	0.0586	£7.22	£5.51
ZSH0.7-49	49	36.02	37.42	16	5	0.0709	0.0612	£7.25	£5.57
ZSH0.7-50	50	36.75	38.15	16	5	0.0735	0.0637	£7.31	£5.62
ZSH0.7-51	51	37.49	38.89	16	5	0.0761	0.0664	£7.32	£5.63
ZSH0.7-52	52	38.22	39.62	16	5	0.0787	0.0690	£7.35	£5.66
ZSH0.7-53	53	38.96	40.36	16	5	0.0815	0.0718	£8.42	£6.43
ZSH0.7-54	54	39.69	41.09	16	5	0.0843	0.0745	£8.46	£6.48
ZSH0.7-55	55	40.43	41.83	16	5	0.0871	0.0774	£8.49	£6.50
ZSH0.7-56	56	41.16	42.56	16	5	0.0900	0.0803	£8.53	£6.53
ZSH0.7-57	57	41.90	43.30	16	5	0.0929	0.0832	£8.53	£6.55
ZSH0.7-58	58	42.63	44.03	16	5	0.0959	0.0862	£8.60	£6.56
ZSH0.7-59	59	43.37	44.77	16	5	0.0990	0.0892	£8.61	£6.57
ZSH0.7-60	60	44.10	45.50	16	5	0.1020	0.0923	£8.70	£6.64
ZSH0.7-61	61	44.84	46.24	16	5	0.1052	0.0955	£8.72	£6.65
ZSH0.7-62	62	45.57	46.97	16	5	0.1084	0.0986	£8.74	£6.71
ZSH0.7-63	63	46.31	47.71	16	5	0.1116	0.1019	£8.79	£6.73
ZSH0.7-64	64	47.04	48.44	16	5	0.1149	0.1052	£8.84	£6.76
ZSH0.7-66	66	48.51	49.91	16	5	0.1217	0.1119	£8.87	£6.79
ZSH0.7-68	68	49.98	51.38	18	6	0.1305	0.1184	£10.73	£8.19
ZSH0.7-70	70	51.45	52.85	18	6	0.1377	0.1255	£10.85	£8.34
ZSH0.7-75	75	55.13	56.63	18	6	0.1565	0.1444	£11.12	£8.49
ZSH0.7-76	76	55.86	57.26	18	6	0.1604	0.1483	£11.42	£8.74
ZSH0.7-80	80	58.80	60.20	18	6	0.1766	0.1645	£13.15	£10.07
ZSH0.7-86	86	63.21	64.61	18	6	0.2025	0.1904	£13.39	£10.26
ZSH0.7-88	88	64.68	66.08	18	6	0.2115	0.1994	£13.67	£10.47
ZSH0.7-90	90	66.15	67.55	18	6	0.2208	0.2087	£13.89	£10.66
ZSH0.7-96	96	70.56	71.96	18	6	0.2498	0.2376	£15.23	£11.62
ZSH0.7-100	100	73.50	74.90	18	6	0.2701	0.2580	£17.70	£13.56
ZSH0.7-112	112	82.32	83.72	18	8	0.3362	0.3241	£21.26	£16.29
ZSH0.7-120	120	88.20	89.60	18	8	0.3844	0.3723	£25.55	£19.59

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.

