

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		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'

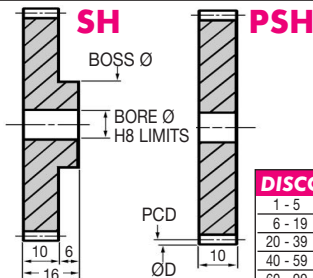


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

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	£11.93	£9.94
SH0.7-10	10	7.35	8.75	8.75	4	0.004	0.002	£11.96	£9.95
SH0.7-11	11	8.09	9.49	9.49	5	0.005	0.002	£12.04	£9.96
SH0.7-12	12	8.82	10.22	10.22	5	0.006	0.003	£12.04	£9.97
SH0.7-13	13	9.56	10.96	10.96	5	0.007	0.004	£12.29	£10.24
SH0.7-14	14	10.29	11.69	11.69	5	0.009	0.005	£12.51	£10.42
SH0.7-15	15	11.03	12.43	11.90	5	0.010	0.006	£12.83	£10.72
SH0.7-16	16	11.76	13.16	12.00	5	0.011	0.007	£13.14	£10.95
SH0.7-17	17	12.50	13.90	12.00	5	0.012	0.008	£13.59	£11.30
SH0.7-18	18	13.23	14.63	12.00	5	0.013	0.009	£13.92	£11.50
SH0.7-19	19	13.97	15.37	12.00	5	0.015	0.010	£13.98	£11.66
SH0.7-20	20	14.70	16.10	12.00	5	0.016	0.011	£14.15	£11.77
SH0.7-21	21	15.44	16.84	12.00	5	0.017	0.013	£14.32	£11.85
SH0.7-22	22	16.17	17.57	12.00	5	0.019	0.014	£14.44	£12.06
SH0.7-23	23	16.91	18.31	12.00	5	0.020	0.016	£14.64	£12.15
SH0.7-24	24	17.64	19.04	12.00	5	0.021	0.017	£14.72	£12.23
SH0.7-25	25	18.38	19.78	12.00	5	0.023	0.019	£14.90	£12.39
SH0.7-26	26	19.11	20.51	12.00	5	0.025	0.020	£15.02	£12.50
SH0.7-27	27	19.85	21.25	12.00	5	0.026	0.022	£15.18	£12.65
SH0.7-28	28	20.58	21.98	12.00	5	0.028	0.024	£15.23	£12.69
SH0.7-29	29	21.32	22.72	12.00	5	0.030	0.026	£15.38	£12.78
SH0.7-30	30	22.05	23.45	12.00	5	0.032	0.028	£15.45	£12.84
SH0.7-31	31	22.79	24.19	12.00	5	0.034	0.030	£15.47	£12.93



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SHO.7-32	32	23.52	24.92	12	5	0.036	0.032	£15.49	£12.95
SHO.7-33	33	24.26	25.66	16	5	0.042	0.034	£15.55	£13.00
SHO.7-34	34	24.99	26.39	16	6	0.043	0.035	£15.61	£13.01
SHO.7-35	35	25.73	27.13	16	6	0.046	0.038	£15.65	£13.02
SHO.7-36	36	26.46	27.86	16	6	0.048	0.040	£15.70	£13.03
SHO.7-37	37	27.20	28.60	16	6	0.050	0.042	£15.76	£13.09
SHO.7-38	38	27.93	29.33	16	6	0.053	0.045	£15.77	£13.13
SHO.7-39	39	28.67	30.07	16	6	0.055	0.047	£15.82	£13.14
SHO.7-40	40	29.40	30.80	16	6	0.058	0.050	£15.83	£13.18
SHO.7-41	41	30.14	31.54	16	6	0.060	0.052	£15.87	£13.19
SHO.7-42	42	30.87	32.27	16	6	0.063	0.055	£15.90	£13.26
SHO.7-43	43	31.61	33.01	16	6	0.066	0.058	£15.93	£13.27
SHO.7-44	44	32.34	33.74	16	6	0.069	0.061	£15.95	£13.30
SHO.7-45	45	33.08	34.48	16	6	0.072	0.064	£15.97	£13.31
SHO.7-46	46	33.81	35.21	16	6	0.074	0.067	£16.12	£13.37
SHO.7-47	47	34.55	35.95	16	6	0.078	0.070	£16.13	£13.41
SHO.7-48	48	35.28	36.68	16	6	0.081	0.073	£16.19	£13.48
SHO.7-49	49	36.02	37.42	16	6	0.084	0.076	£16.24	£13.54
SHO.7-50	50	36.75	38.15	16	6	0.087	0.079	£16.35	£13.61
SHO.7-51	51	37.49	38.89	16	6	0.090	0.082	£16.44	£13.68
SHO.7-52	52	38.22	39.62	16	6	0.094	0.086	£16.48	£13.70
SHO.7-53	53	38.96	40.36	16	6	0.097	0.089	£16.56	£13.77
SHO.7-54	54	39.69	41.09	16	6	0.100	0.093	£16.65	£13.92
SHO.7-55	55	40.43	41.83	16	6	0.104	0.096	£16.72	£13.93
SHO.7-56	56	41.16	42.56	16	6	0.108	0.100	£16.77	£13.96
SHO.7-57	57	41.90	43.30	16	6	0.111	0.103	£16.83	£13.99
SHO.7-58	58	42.63	44.03	16	6	0.115	0.107	£16.92	£14.05
SHO.7-59	59	43.37	44.77	16	6	0.119	0.111	£16.95	£14.15
SHO.7-60	60	44.10	45.50	16	6	0.123	0.115	£17.13	£14.25
SHO.7-61	61	44.84	46.24	16	6	0.127	0.119	£17.18	£14.27
SHO.7-62	62	45.57	46.97	16	6	0.131	0.123	£17.26	£14.33
SHO.7-63	63	46.31	47.71	16	6	0.135	0.127	£17.29	£14.38
SHO.7-64	64	47.04	48.44	16	6	0.139	0.131	£17.34	£14.44
SHO.7-66	66	48.51	49.91	16	8	0.145	0.138	£17.38	£14.50
SHO.7-68	68	49.98	51.38	16	8	0.153	0.146	£17.51	£14.65
SHO.7-70	70	51.45	52.85	16	8	0.162	0.155	£17.81	£14.77
SHO.7-75	75	55.13	56.63	16	8	0.186	0.179	£18.18	£15.18
SHO.7-76	76	55.86	57.26	16	8	0.191	0.184	£18.71	£15.55
SHO.7-80	80	58.80	60.20	16	8	0.211	0.204	£19.00	£15.82
SHO.7-86	86	63.21	64.61	16	8	0.243	0.236	£19.33	£15.83
SHO.7-88	88	64.68	66.08	16	8	0.255	0.248	£19.72	£16.45
SHO.7-90	90	66.15	67.55	16	8	0.266	0.259	£20.08	£16.68
SHO.7-96	96	70.56	71.96	16	8	0.302	0.295	£21.97	£18.29
SHO.7-100	100	73.50	74.90	16	8	0.328	0.321	£25.52	£21.23
SHO.7-112	112	82.32	83.72	20	8	0.416	0.403	£29.01	£24.16
SHO.7-120	120	88.20	89.60	20	8	0.476	0.464	£34.84	£29.05
SHO.7-127	127	93.35	94.75	20	8	0.532	0.520	£35.73	£29.79
SHO.7-128	128	94.08	95.48	20	8	0.540	0.528	£36.45	£30.38
SHO.7-140	140	102.63	104.30	20	10	0.641	0.629	£39.69	£33.06
SHO.7-150	150	110.25	111.65	25	10	0.747	0.727	£43.04	£35.88
SHO.7-175	175	128.63	130.03	30	15	1.011	0.991	£49.63	£41.32
SHO.7-200	200	147.00	148.40	30	15	1.315	1.295	£55.10	£45.92

Helical Gears Parallel Axis Steel MOD 0.7

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

SPECIALS
ON DEMAND

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



RH 17°45'

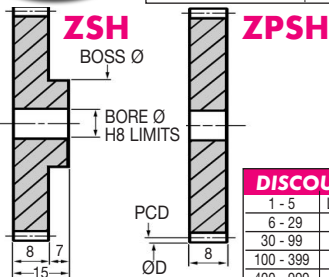


LH 17°45'

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	Discount	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
ZSH0.7-9	9	7.35	8.75	8.75	2	0.0059	0.0024	£5.79	£4.54
ZSH0.7-10	10	7.35	8.75	8.75	2	0.0059	0.0024	£5.85	£4.56
ZSH0.7-11	11	8.09	9.49	9.49	2	0.0068	0.0030	£5.95	£4.57
ZSH0.7-12	12	8.82	10.22	10.22	3	0.0073	0.0033	£6.03	£4.59
ZSH0.7-13	13	9.56	10.96	10.96	3	0.0086	0.0040	£6.15	£4.73
ZSH0.7-14	14	10.29	11.69	11.69	3	0.0100	0.0047	£6.30	£4.79
ZSH0.7-15	15	11.03	12.43	12.43	3	0.0115	0.0054	£6.40	£4.85
ZSH0.7-16	16	11.76	13.16	13.16	3	0.0131	0.0062	£6.54	£5.06
ZSH0.7-17	17	12.50	13.90	13.90	3	0.0148	0.0071	£6.77	£5.22
ZSH0.7-18	18	13.23	14.63	14.63	3	0.0166	0.0080	£6.95	£5.30
ZSH0.7-19	19	13.97	15.37	15.37	3	0.0146	0.0090	£7.02	£5.33
ZSH0.7-20	20	14.70	16.10	16.10	3	0.0156	0.0100	£7.04	£5.46
ZSH0.7-21	21	15.44	16.84	16.84	3	0.0167	0.0110	£7.14	£5.48
ZSH0.7-22	22	16.17	17.57	17.57	3	0.0178	0.0121	£7.27	£5.52
ZSH0.7-23	23	16.91	18.31	18.31	3	0.0190	0.0133	£7.36	£5.54
ZSH0.7-24	24	17.64	19.04	19.04	4	0.0218	0.0142	£7.38	£5.58
ZSH0.7-25	25	18.38	19.78	19.78	4	0.0230	0.0155	£7.45	£5.73
ZSH0.7-26	26	19.11	20.51	20.51	4	0.0244	0.0168	£7.49	£5.79
ZSH0.7-27	27	19.85	21.25	21.25	4	0.0257	0.0182	£7.63	£5.81
ZSH0.7-28	28	20.58	21.98	21.98	4	0.0272	0.0196	£7.64	£5.82
ZSH0.7-29	29	21.32	22.72	22.72	4	0.0287	0.0211	£7.72	£5.83
ZSH0.7-30	30	22.05	23.45	23.45	4	0.0302	0.0226	£7.73	£5.87
ZSH0.7-31	31	22.79	24.19	24.19	4	0.0318	0.0242	£7.74	£5.90

24.10



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Helical Gears Parallel Axis Plastic MOD 0.7

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	£7.75	£5.91
ZSH0.7-33	33	24.26	25.66	14	4	0.0351	0.0275	£7.76	£5.95
ZSH0.7-34	34	24.99	26.39	14	4	0.0368	0.0293	£7.80	£6.01
ZSH0.7-35	35	25.73	27.13	14	4	0.0386	0.0311	£7.81	£6.02
ZSH0.7-36	36	26.46	27.86	14	4	0.0405	0.0329	£7.82	£6.03
ZSH0.7-37	37	27.20	28.60	14	4	0.0424	0.0348	£7.83	£6.04
ZSH0.7-38	38	27.93	29.33	14	4	0.0443	0.0367	£7.87	£6.06
ZSH0.7-39	39	28.67	30.07	16	5	0.0480	0.0383	£8.67	£6.66
ZSH0.7-40	40	29.40	30.80	16	5	0.0501	0.0404	£8.73	£6.68
ZSH0.7-41	41	30.14	31.54	16	5	0.0522	0.0425	£8.73	£6.69
ZSH0.7-42	42	30.87	32.27	16	5	0.0543	0.0446	£8.77	£6.70
ZSH0.7-43	43	31.61	33.01	16	5	0.0566	0.0468	£8.78	£6.71
ZSH0.7-44	44	32.34	33.74	16	5	0.0588	0.0491	£8.81	£6.72
ZSH0.7-45	45	33.08	34.48	16	5	0.0611	0.0514	£8.84	£6.75
ZSH0.7-46	46	33.81	35.21	16	5	0.0635	0.0538	£8.88	£6.76
ZSH0.7-47	47	34.55	35.95	16	5	0.0659	0.0562	£8.91	£6.77
ZSH0.7-48	48	35.28	36.68	16	5	0.0684	0.0586	£8.93	£6.81
ZSH0.7-49	49	36.02	37.42	16	5	0.0709	0.0612	£8.96	£6.87
ZSH0.7-50	50	36.75	38.15	16	5	0.0735	0.0637	£9.03	£6.94
ZSH0.7-51	51	37.49	38.89	16	5	0.0761	0.0664	£9.04	£6.95
ZSH0.7-52	52	38.22	39.62	16	5	0.0787	0.0690	£9.08	£6.99
ZSH0.7-53	53	38.96	40.36	16	5	0.0815	0.0718	£10.42	£7.94
ZSH0.7-54	54	39.69	41.09	16	5	0.0843	0.0745	£10.46	£7.99
ZSH0.7-55	55	40.43	41.83	16	5	0.0871	0.0774	£10.50	£8.02
ZSH0.7-56	56	41.16	42.56	16	5	0.0900	0.0803	£10.54	£8.08
ZSH0.7-57	57	41.90	43.30	16	5	0.0929	0.0832	£10.54	£8.10
ZSH0.7-58	58	42.63	44.03	16	5	0.0959	0.0862	£10.62	£8.11
ZSH0.7-59	59	43.37	44.77	16	5	0.0990	0.0892	£10.65	£8.12
ZSH0.7-60	60	44.10	45.50	16	5	0.1020	0.0923	£10.76	£8.19
ZSH0.7-61	61	44.84	46.24	16	5	0.1052	0.0955	£10.77	£8.20
ZSH0.7-62	62	45.57	46.97	16	5	0.1084	0.0986	£10.79	£8.29
ZSH0.7-63	63	46.31	47.71	16	5	0.1116	0.1019	£10.87	£8.32
ZSH0.7-64	64	47.04	48.44	16	5	0.1149	0.1052	£10.94	£8.35
ZSH0.7-66	66	48.51	49.91	16	5	0.1217	0.1119	£10.97	£8.38
ZSH0.7-68	68	49.98	51.38	18	6	0.1305	0.1184	£13.27	£10.12
ZSH0.7-70	70	51.45	52.85	18	6	0.1377	0.1255	£13.41	£10.30
ZSH0.7-75	75	55.13	56.63	18	6	0.1565	0.1444	£13.75	£10.50
ZSH0.7-76	76	55.86	57.26	18	6	0.1604	0.1483	£14.13	£10.79
ZSH0.7-80	80	58.80	60.20	18	6	0.1766	0.1645	£16.25	£12.44
ZSH0.7-86	86	63.21	64.61	18	6	0.2025	0.1904	£16.56	£12.68
ZSH0.7-88	88	64.68	66.08	18	6	0.2115	0.1994	£16.92	£12.94
ZSH0.7-90	90	66.15	67.55	18	6	0.2208	0.2087	£17.18	£13.18
ZSH0.7-96	96	70.56	71.96	18	6	0.2498	0.2376	£18.84	£14.38
ZSH0.7-100	100	73.50	74.90	18	6	0.2701	0.2580	£21.91	£16.77
ZSH0.7-112	112	82.32	83.72	18	8	0.3362	0.3241	£26.32	£20.15
ZSH0.7-120	120	88.20	89.60	18	8	0.3844	0.3723	£31.62	£24.24

'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.

