

# Helical Gears

## Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

**0.8 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	<b>TORQUE Nm.</b>	2.25	8.92	1.13	0.81
at back	<b>K.W.</b>	0.24	0.933	0.119	0.082



**RH 17°45'**

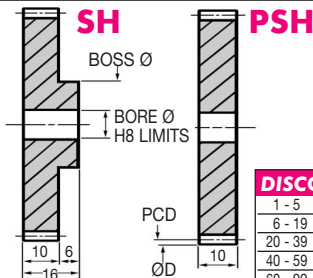


**LH 17°45'**

**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
SH0.8-9	9	8.40	10.00	10.00	5	0.005	0.003	£11.93	£9.96
SH0.8-10	10	8.40	10.00	10.00	5	0.005	0.003	£11.96	£9.97
SH0.8-11	11	9.24	10.84	10.84	5	0.007	0.004	£12.04	£9.99
SH0.8-12	12	10.08	11.68	11.68	5	0.010	0.006	£12.04	£10.01
SH0.8-13	13	10.92	12.52	12.00	5	0.010	0.006	£12.29	£10.19
SH0.8-14	14	11.76	13.36	12.00	5	0.011	0.007	£12.51	£10.28
SH0.8-15	15	12.60	14.20	12.00	5	0.012	0.008	£12.83	£10.42
SH0.8-16	16	13.44	15.04	12.00	5	0.014	0.009	£13.14	£10.57
SH0.8-17	17	14.28	15.88	12.00	5	0.015	0.011	£13.59	£10.72
SH0.8-18	18	15.12	16.72	12.00	5	0.017	0.012	£13.92	£10.80
SH0.8-19	19	15.96	17.56	12.00	5	0.018	0.014	£13.98	£10.94
SH0.8-20	20	16.80	18.40	12.00	5	0.020	0.015	£14.15	£10.99
SH0.8-21	21	17.64	19.24	12.00	5	0.021	0.017	£14.32	£11.15
SH0.8-22	22	18.48	20.08	12.00	5	0.023	0.019	£14.44	£11.28
SH0.8-23	23	19.32	20.92	12.00	5	0.025	0.021	£14.64	£11.33
SH0.8-24	24	20.16	21.76	12.00	5	0.027	0.023	£14.72	£11.47
SH0.8-25	25	21.00	22.60	12.00	5	0.029	0.025	£14.90	£11.53
SH0.8-26	26	21.84	23.44	12.00	5	0.031	0.027	£15.02	£11.66
SH0.8-27	27	22.68	24.28	12.00	5	0.034	0.029	£15.18	£11.73
SH0.8-28	28	23.52	25.12	12.00	5	0.036	0.032	£15.23	£11.84
SH0.8-29	29	24.36	25.96	16.00	6	0.041	0.034	£15.38	£11.93
SH0.8-30	30	25.20	26.80	16.00	6	0.044	0.036	£15.45	£12.09
SH0.8-31	31	26.04	27.64	16.00	6	0.047	0.039	£15.47	£12.22

Helical Gears Parallel Axis Steel MOD 0.8

**24.12**



Unit 14, Foxwood Ind. Park, Foxwood Rd. 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
SH0.8-32	32	26.88	28.48	16	6	0.049	0.041	£15.49	£12.33
SH0.8-33	33	27.72	29.32	16	6	0.052	0.044	£15.55	£12.44
SH0.8-34	34	28.56	30.16	16	6	0.055	0.047	£15.61	£12.65
SH0.8-35	35	29.40	31.00	16	6	0.058	0.050	£15.65	£12.77
SH0.8-36	36	30.24	31.84	16	6	0.061	0.053	£15.70	£12.84
SH0.8-37	37	31.08	32.68	16	6	0.064	0.056	£15.76	£13.02
SH0.8-38	38	31.92	33.52	16	6	0.067	0.059	£15.77	£13.14
SH0.8-39	39	32.76	34.36	16	6	0.070	0.062	£15.82	£13.27
SH0.8-40	40	33.60	35.20	16	6	0.074	0.066	£15.83	£13.41
SH0.8-41	41	34.44	36.04	16	6	0.077	0.069	£15.87	£13.59
SH0.8-42	42	35.28	36.88	16	6	0.081	0.073	£15.90	£13.68
SH0.8-43	43	36.12	37.72	16	6	0.084	0.076	£15.93	£13.82
SH0.8-44	44	36.96	38.56	16	6	0.088	0.080	£15.95	£13.96
SH0.8-45	45	37.80	39.40	16	6	0.092	0.084	£15.97	£14.08
SH0.8-46	46	38.64	40.24	16	6	0.096	0.088	£16.12	£14.25
SH0.8-47	47	39.48	41.08	16	6	0.099	0.092	£16.13	£14.36
SH0.8-48	48	40.32	41.92	16	6	0.103	0.096	£16.19	£14.50
SH0.8-49	49	41.16	42.76	16	6	0.108	0.100	£16.22	£14.65
SH0.8-50	50	42.00	43.60	16	6	0.112	0.104	£16.24	£14.73
SH0.8-51	51	42.84	44.44	16	6	0.116	0.108	£16.35	£14.90
SH0.8-52	52	43.68	45.28	16	6	0.120	0.113	£16.44	£15.00
SH0.8-53	53	44.52	46.12	16	6	0.125	0.117	£16.48	£15.12
SH0.8-54	54	45.36	46.96	16	6	0.129	0.121	£16.56	£15.19
SH0.8-55	55	46.20	47.80	16	6	0.134	0.126	£16.65	£15.36
SH0.8-56	56	47.04	48.64	16	6	0.139	0.131	£16.72	£15.41
SH0.8-57	57	47.88	49.48	16	8	0.141	0.134	£16.77	£15.49
SH0.8-58	58	48.72	50.32	16	8	0.146	0.139	£16.83	£15.65
SH0.8-59	59	49.56	51.16	16	8	0.151	0.144	£16.92	£15.77
SH0.8-60	60	50.40	52.00	16	8	0.156	0.149	£16.95	£15.87
SH0.8-61	61	51.24	52.84	16	8	0.161	0.154	£17.13	£15.95
SH0.8-62	62	52.08	53.68	16	8	0.166	0.159	£17.18	£16.12
SH0.8-63	63	52.92	54.52	16	8	0.171	0.164	£17.26	£16.19
SH0.8-64	64	53.76	55.36	16	8	0.177	0.170	£17.29	£16.27
SH0.8-66	66	55.44	57.04	16	8	0.188	0.181	£17.34	£16.44
SH0.8-68	68	57.12	58.72	16	8	0.199	0.192	£17.38	£16.49
SH0.8-70	70	58.80	60.40	16	8	0.211	0.204	£17.51	£16.65
SH0.8-75	75	63.00	64.60	16	8	0.242	0.235	£17.81	£17.13
SH0.8-76	76	63.84	65.44	16	8	0.248	0.241	£18.18	£17.51
SH0.8-80	80	67.20	68.80	16	8	0.274	0.268	£18.71	£17.98
SH0.8-86	86	72.24	73.84	16	8	0.317	0.310	£19.00	£18.40
SH0.8-88	88	73.92	75.52	16	8	0.331	0.325	£19.33	£18.87
SH0.8-90	90	75.60	77.20	20	8	0.352	0.340	£19.72	£19.33
SH0.8-96	96	80.64	82.24	20	8	0.399	0.387	£20.08	£19.73
SH0.8-100	100	84.00	85.60	20	8	0.432	0.420	£21.97	£20.20
SH0.8-112	112	94.08	95.68	20	8	0.540	0.528	£25.52	£21.84
SH0.8-120	120	100.80	102.40	20	10	0.619	0.607	£29.01	£25.22
SH0.8-127	127	106.68	108.28	20	10	0.692	0.680	£34.84	£26.20
SH0.8-128	128	107.52	109.12	20	10	0.703	0.691	£35.97	£29.93
SH0.8-140	140	117.60	119.20	20	10	0.839	0.827	£38.02	£31.62
SH0.8-150	150	126.00	127.60	30	12	0.962	0.950	£43.96	£36.60
SH0.8-175	175	147.00	148.60	30	12	1.307	1.295	£55.84	£46.54
SH0.8-200	200	168.00	169.60	40	15	1.705	1.692	£62.64	£52.19

*Gears with a greater number of teeth than listed are subject to different face widths, boss and bore. Please consult Technical for sizes.*

