

# Helical Gears

## Materials

### Steel - Parallel Axis

STD : Steel 214M15/045M10

### 0.4 MOD

17°45' H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 10 - 250

TORQUE CHECK		214M15	214M15	Brass	Tufnol
50 teeth x 1000 rpm		303S21	Cse/HD		
variations	TORQUE Nm.	0.28	1.12	0.14	0.10
at back	K.W.	0.030	0.119	0.015	0.01

Helical Gears Parallel Axis Steel MOD 0.4



**RH 17°45'**

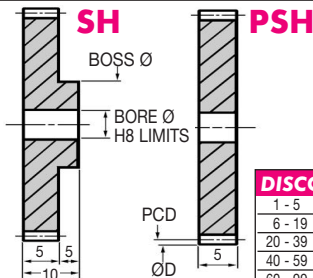


**LH 17°45'**

**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
SH0.4-10	10	4.62	5.42	5.42	2	0.0013	0.0005	£9.96	£9.51
SH0.4-11	11	4.62	5.42	5.42	2	0.0013	0.0005	£9.97	£9.53
SH0.4-12	12	5.04	5.84	5.84	2	0.0015	0.0006	£9.99	£9.55
SH0.4-13	13	5.46	6.26	6.26	2	0.0018	0.0008	£10.01	£9.57
SH0.4-14	14	5.88	6.68	6.68	2	0.0021	0.0009	£10.02	£9.60
SH0.4-15	15	6.30	7.10	7.10	2	0.0025	0.0011	£10.04	£9.61
SH0.4-16	16	6.72	7.52	7.52	2	0.0028	0.0012	£10.07	£9.62
SH0.4-17	17	7.14	7.94	7.94	2	0.0032	0.0014	£10.08	£9.65
SH0.4-18	18	7.56	8.36	8.00	3	0.0031	0.0014	£10.09	£9.67
SH0.4-19	19	7.98	8.78	8.00	3	0.0033	0.0016	£10.12	£9.68
SH0.4-20	20	8.40	9.20	8.00	3	0.0035	0.0018	£10.15	£9.70
SH0.4-21	21	8.82	9.62	8.00	3	0.0037	0.0021	£10.19	£9.72
SH0.4-22	22	9.24	10.04	8.00	3	0.0039	0.0023	£10.19	£9.74
SH0.4-23	23	9.66	10.46	8.00	3	0.0042	0.0025	£10.22	£9.76
SH0.4-24	24	10.08	10.88	8.00	3	0.0044	0.0028	£10.24	£9.77
SH0.4-25	25	10.50	11.30	8.00	3	0.0047	0.0030	£10.28	£9.82
SH0.4-26	26	10.92	11.72	8.00	3	0.0050	0.0033	£10.30	£9.95
SH0.4-27	27	11.34	12.14	8.00	3	0.0052	0.0036	£10.32	£9.96
SH0.4-28	28	11.76	12.56	8.00	3	0.0055	0.0039	£10.35	£9.97
SH0.4-29	29	12.18	12.98	8.00	3	0.0058	0.0042	£10.42	£9.99
SH0.4-30	30	12.60	13.40	8.00	3	0.0062	0.0045	£10.43	£10.07
SH0.4-31	31	13.02	13.82	8.00	3	0.0065	0.0048	£10.47	£10.19
SH0.4-32	32	13.44	14.24	8.00	3	0.0068	0.0052	£10.54	£10.24

24.2



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
SHO.4-33	33	13.86	14.66	8	3	0.0072	0.0055	£10.57	£10.30
SHO.4-34	34	14.28	15.08	8	3	0.0075	0.0059	£10.65	£10.43
SHO.4-35	35	14.70	15.50	8	3	0.0079	0.0062	£10.68	£10.57
SHO.4-36	36	15.12	15.92	8	3	0.0083	0.0066	£10.70	£10.65
SHO.4-37	37	15.54	16.34	8	3	0.0086	0.0070	£10.75	£10.75
SHO.4-38	38	15.96	16.76	12	4	0.0110	0.0072	£10.79	£10.76
SHO.4-39	39	16.38	17.18	12	4	0.0114	0.0076	£10.82	£10.80
SHO.4-40	40	16.80	17.60	12	4	0.0118	0.0080	£10.94	£10.87
SHO.4-41	41	17.22	18.02	12	4	0.0123	0.0084	£10.97	£10.95
SHO.4-42	42	17.64	18.44	12	4	0.0127	0.0089	£11.06	£10.97
SHO.4-43	43	18.06	18.86	12	4	0.0132	0.0093	£11.18	£11.06
SHO.4-44	44	18.48	19.28	12	4	0.0136	0.0098	£11.28	£11.15
SHO.4-45	45	18.90	19.70	12	4	0.0141	0.0103	£11.30	£11.18
SHO.4-46	46	19.32	20.12	12	4	0.0146	0.0107	£11.35	£11.28
SHO.4-47	47	19.74	20.54	12	4	0.0151	0.0112	£11.47	£11.33
SHO.4-48	48	20.16	20.96	12	4	0.0156	0.0117	£11.50	£11.35
SHO.4-49	49	20.58	21.38	12	4	0.0161	0.0122	£11.59	£11.47
SHO.4-50	50	21.00	21.80	12	4	0.0166	0.0128	£11.66	£11.50
SHO.4-51	51	21.42	22.22	12	4	0.0172	0.0133	£11.73	£11.59
SHO.4-52	52	21.84	22.64	12	4	0.0177	0.0139	£11.81	£11.65
SHO.4-53	53	22.26	23.06	12	4	0.0183	0.0144	£11.85	£11.70
SHO.4-54	54	22.68	23.48	12	4	0.0188	0.0150	£11.93	£11.77
SHO.4-55	55	23.10	23.90	12	4	0.0194	0.0156	£12.04	£11.84
SHO.4-56	56	23.52	24.32	12	4	0.0200	0.0161	£12.11	£11.93
SHO.4-57	57	23.94	24.74	12	4	0.0206	0.0167	£12.22	£12.09
SHO.4-58	58	24.36	25.16	12	4	0.0212	0.0174	£12.33	£12.22
SHO.4-59	59	24.78	25.58	12	4	0.0218	0.0180	£12.40	£12.33
SHO.4-60	60	25.20	26.00	12	4	0.0224	0.0186	£12.51	£12.40
SHO.4-61	61	25.62	26.42	12	4	0.0231	0.0192	£12.66	£12.51
SHO.4-62	62	26.04	26.84	12	4	0.0237	0.0199	£12.77	£12.66
SHO.4-63	63	26.46	27.26	12	4	0.0244	0.0206	£12.84	£12.77
SHO.4-64	64	26.88	27.68	12	4	0.0251	0.0212	£13.00	£12.84
SHO.4-65	65	27.30	28.10	12	4	0.0258	0.0219	£13.13	£13.02
SHO.4-68	68	28.56	29.36	12	4	0.0279	0.0240	£13.26	£13.13
SHO.4-70	70	29.40	30.20	12	4	0.0293	0.0255	£13.31	£13.26
SHO.4-72	72	30.24	31.04	12	4	0.0308	0.0270	£13.41	£13.31
SHO.4-75	75	31.50	32.30	12	4	0.0332	0.0293	£13.48	£13.46
SHO.4-77	77	32.34	33.14	12	4	0.0348	0.0309	£13.59	£13.59
SHO.4-80	80	33.60	34.40	12	5	0.0367	0.0332	£13.61	£13.70
SHO.4-84	84	35.28	36.08	12	5	0.0402	0.0367	£13.75	£13.96
SHO.4-86	86	36.12	36.92	12	5	0.0420	0.0385	£13.95	£14.25
SHO.4-88	88	36.96	37.76	12	5	0.0439	0.0403	£14.15	£14.46
SHO.4-90	90	37.80	38.60	12	5	0.0458	0.0422	£14.36	£14.73
SHO.4-96	96	40.32	41.12	12	5	0.0517	0.0481	£14.65	£15.02
SHO.4-100	100	42.00	42.80	12	5	0.0558	0.0523	£14.90	£15.33
SHO.4-120	120	50.40	51.20	12	5	0.0792	0.0756	£15.12	£15.49
SHO.4-140	140	58.80	59.60	12	5	0.1067	0.1031	£16.65	£16.90
SHO.4-150	150	63.00	63.80	12	5	0.1221	0.1185	£16.99	£17.37
SHO.4-180	180	75.60	76.40	15	6	0.1763	0.1707	£24.57	£21.32
SHO.4-200	200	84.00	84.80	15	8	0.2166	0.2110	£27.60	£23.92
SHO.4-220	220	92.40	93.20	15	8	0.2612	0.2555	£31.74	£27.60
SHO.4-250	250	105.00	105.80	20	10	0.3359	0.3302	£36.06	£31.33

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

