

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

0.5 MOD

17°45'H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 10 - 250

TORQUE CHECK 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	TORQUE Nm.	0.53	2.09	0.26	0.19
	K.W.	0.052	0.216	0.030	0.022



RH 17°45'

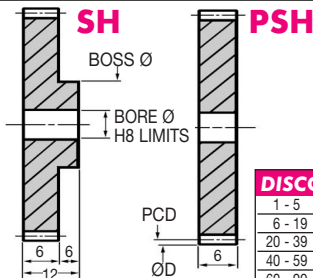


LH 17°45'

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
SH0.5-10	10	5.78	6.78	6.78	3	0.0022	0.0009	£10.65	£8.87
SH0.5-11	11	5.78	6.78	6.78	3	0.0022	0.0009	£10.68	£8.88
SH0.5-12	12	6.30	7.30	7.30	3	0.0027	0.0011	£10.70	£8.91
SH0.5-13	13	6.83	7.83	7.83	3	0.0032	0.0014	£10.79	£9.09
SH0.5-14	14	7.35	8.35	8.35	4	0.0033	0.0014	£10.94	£9.31
SH0.5-15	15	7.88	8.88	8.50	4	0.0037	0.0017	£11.06	£9.47
SH0.5-16	16	8.40	9.40	8.50	4	0.0040	0.0020	£11.28	£9.67
SH0.5-17	17	8.93	9.93	8.50	4	0.0043	0.0023	£11.33	£9.84
SH0.5-18	18	9.45	10.45	8.50	4	0.0047	0.0026	£11.47	£10.01
SH0.5-19	19	9.98	10.98	8.50	4	0.0050	0.0030	£11.59	£10.09
SH0.5-20	20	10.50	11.50	8.50	4	0.0054	0.0034	£11.73	£10.19
SH0.5-21	21	11.03	12.03	8.50	4	0.0058	0.0038	£11.85	£10.24
SH0.5-22	22	11.55	12.55	8.50	4	0.0063	0.0042	£12.06	£10.30
SH0.5-23	23	12.08	13.08	8.50	4	0.0067	0.0047	£12.16	£10.35
SH0.5-24	24	12.60	13.60	10.00	4	0.0082	0.0051	£12.33	£10.43
SH0.5-25	25	13.13	14.13	10.00	4	0.0087	0.0056	£12.44	£10.57
SH0.5-26	26	13.65	14.65	10.00	5	0.0085	0.0058	£12.65	£10.65
SH0.5-27	27	14.18	15.18	10.00	5	0.0091	0.0063	£12.77	£10.72
SH0.5-28	28	14.70	15.70	10.00	5	0.0096	0.0069	£12.93	£10.75
SH0.5-29	29	15.23	16.23	10.00	5	0.0102	0.0075	£13.00	£10.76
SH0.5-30	30	15.75	16.75	10.00	5	0.0107	0.0080	£13.03	£10.80
SH0.5-31	31	16.28	17.28	10.00	5	0.0114	0.0087	£13.19	£10.94
SH0.5-32	32	16.80	17.80	10.00	5	0.0120	0.0093	£13.31	£10.99



Helical Gears Parallel Axis Steel MOD 0.5

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH0.5-33	33	17.33	18.33	10	5	0.0126	0.0099	£13.48	£11.15
SH0.5-34	34	17.85	18.85	10	5	0.0133	0.0106	£13.64	£11.28
SH0.5-35	35	18.38	19.38	10	5	0.0140	0.0113	£13.77	£11.33
SH0.5-36	36	18.90	19.90	10	5	0.0147	0.0120	£13.95	£11.47
SH0.5-37	37	19.43	20.43	10	5	0.0154	0.0127	£14.05	£11.50
SH0.5-38	38	19.95	20.95	10	5	0.0162	0.0135	£14.25	£11.65
SH0.5-39	39	20.48	21.48	10	5	0.0169	0.0142	£14.36	£11.73
SH0.5-40	40	21.00	22.00	10	5	0.0177	0.0150	£14.50	£11.84
SH0.5-41	41	21.53	22.53	10	5	0.0185	0.0158	£14.67	£11.89
SH0.5-42	42	22.05	23.05	10	5	0.0193	0.0166	£14.77	£12.06
SH0.5-43	43	22.58	23.58	10	5	0.0202	0.0175	£14.96	£12.15
SH0.5-44	44	23.10	24.10	10	5	0.0210	0.0183	£15.12	£12.23
SH0.5-45	45	23.63	24.63	10	5	0.0219	0.0192	£15.23	£12.33
SH0.5-46	46	24.15	25.15	10	5	0.0228	0.0201	£15.39	£12.40
SH0.5-47	47	24.68	25.68	10	5	0.0238	0.0211	£15.49	£12.51
SH0.5-48	48	25.20	26.20	10	5	0.0247	0.0220	£15.70	£12.66
SH0.5-49	49	25.73	26.73	10	5	0.0257	0.0230	£15.83	£12.75
SH0.5-50	50	26.25	27.25	12	6	0.0274	0.0235	£15.97	£12.83
SH0.5-51	51	26.78	27.78	12	6	0.0285	0.0246	£16.13	£12.95
SH0.5-52	52	27.30	28.30	12	6	0.0295	0.0256	£16.22	£13.09
SH0.5-53	53	27.83	28.83	12	6	0.0305	0.0266	£16.35	£13.19
SH0.5-54	54	28.35	29.35	12	6	0.0316	0.0277	£16.45	£13.30
SH0.5-55	55	28.88	29.88	12	6	0.0327	0.0288	£16.56	£13.41
SH0.5-56	56	29.40	30.40	12	6	0.0338	0.0299	£16.68	£13.59
SH0.5-57	57	29.93	30.93	12	6	0.0349	0.0310	£16.77	£13.68
SH0.5-58	58	30.45	31.45	12	6	0.0360	0.0321	£16.90	£13.78
SH0.5-59	59	30.98	31.98	12	6	0.0372	0.0333	£16.95	£13.95
SH0.5-60	60	31.50	32.50	12	6	0.0384	0.0345	£17.13	£13.99
SH0.5-61	61	32.03	33.03	12	6	0.0396	0.0357	£17.26	£14.15
SH0.5-62	62	32.55	33.55	12	6	0.0408	0.0369	£17.31	£14.27
SH0.5-63	63	33.08	34.08	12	6	0.0421	0.0382	£17.38	£14.38
SH0.5-64	64	33.60	34.60	12	6	0.0433	0.0394	£17.51	£14.50
SH0.5-65	65	34.13	35.13	12	6	0.0446	0.0407	£17.67	£14.65
SH0.5-68	68	35.70	36.70	12	6	0.0486	0.0447	£17.87	£14.72
SH0.5-70	70	36.75	37.75	12	6	0.0513	0.0474	£17.98	£14.90
SH0.5-72	72	37.80	38.80	12	6	0.0541	0.0502	£18.17	£15.00
SH0.5-75	75	39.38	40.38	12	6	0.0585	0.0546	£18.30	£15.07
SH0.5-77	77	40.43	41.43	12	6	0.0615	0.0576	£18.61	£15.14
SH0.5-80	80	42.00	43.00	12	6	0.0662	0.0623	£18.71	£15.19
SH0.5-84	84	44.10	45.10	12	6	0.0727	0.0688	£18.87	£15.36
SH0.5-86	86	45.15	46.15	12	6	0.0761	0.0722	£19.07	£15.39
SH0.5-88	88	46.20	47.20	12	6	0.0796	0.0757	£19.27	£15.47
SH0.5-90	90	47.25	48.25	12	6	0.0831	0.0792	£19.42	£15.55
SH0.5-96	96	50.40	51.40	12	6	0.0942	0.0903	£19.62	£15.97
SH0.5-100	100	52.50	53.50	12	6	0.1020	0.0981	£19.72	£19.72
SH0.5-120	120	63.00	64.00	12	6	0.1457	0.1418	£23.87	£21.38
SH0.5-140	140	73.50	74.50	12	6	0.1974	0.1935	£28.55	£25.68
SH0.5-150	150	78.75	79.75	15	8	0.2262	0.2223	£31.54	£28.39
SH0.5-180	180	94.50	95.50	15	8	0.3246	0.3207	£35.08	£31.61
SH0.5-200	200	105.00	106.00	20	10	0.4002	0.3963	£38.31	£34.52
SH0.5-220	220	115.50	116.50	20	10	0.4836	0.4798	£41.82	£37.70
SH0.5-250	250	131.25	132.25	25	12	0.6238	0.6199	£45.96	£41.45

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

0.5 MOD 17°45' H.A.
20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 10 - 180

SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.13

Helical Gears Parallel Axis Plastic MOD 0.5



RH 17°45'

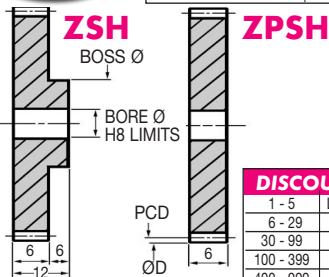


LH 17°45'

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
ZSH0.5-10	10	5.78	6.78	6.78	2	0.0027	0.0011	£5.33	£4.04
ZSH0.5-11	11	5.78	6.78	6.78	2	0.0027	0.0011	£5.36	£4.07
ZSH0.5-12	12	6.30	7.30	7.00	2	0.0029	0.0013	£5.46	£4.08
ZSH0.5-13	13	6.83	7.83	7.00	2	0.0031	0.0015	£5.47	£4.09
ZSH0.5-14	14	7.35	8.35	7.00	2	0.0034	0.0018	£5.49	£4.14
ZSH0.5-15	15	7.88	8.88	7.00	2	0.0037	0.0021	£5.54	£4.24
ZSH0.5-16	16	8.40	9.40	7.00	2	0.0040	0.0024	£5.58	£4.28
ZSH0.5-17	17	8.93	9.93	8.00	2	0.0049	0.0027	£5.67	£4.32
ZSH0.5-18	18	9.45	10.45	8.00	2	0.0052	0.0031	£5.73	£4.35
ZSH0.5-19	19	9.98	10.98	9.00	3	0.0059	0.0033	£5.81	£4.44
ZSH0.5-20	20	10.50	11.50	9.00	3	0.0062	0.0037	£5.83	£4.51
ZSH0.5-21	21	11.03	12.03	9.00	3	0.0067	0.0041	£5.90	£4.56
ZSH0.5-22	22	11.55	12.55	9.00	3	0.0071	0.0045	£6.03	£4.59
ZSH0.5-23	23	12.08	13.08	10.00	3	0.0082	0.0049	£6.14	£4.62
ZSH0.5-24	24	12.60	13.60	10.00	3	0.0087	0.0054	£6.15	£4.73
ZSH0.5-25	25	13.13	14.13	10.00	3	0.0092	0.0059	£6.20	£4.75
ZSH0.5-26	26	13.65	14.65	10.00	3	0.0097	0.0064	£6.32	£4.79
ZSH0.5-27	27	14.18	15.18	10.00	3	0.0102	0.0069	£6.38	£4.85
ZSH0.5-28	28	14.70	15.70	10.00	3	0.0107	0.0075	£6.44	£4.96
ZSH0.5-29	29	15.23	16.23	10.00	3	0.0113	0.0080	£6.50	£4.97
ZSH0.5-30	30	15.75	16.75	12.00	4	0.0130	0.0084	£6.50	£4.99
ZSH0.5-31	31	16.28	17.28	12.00	4	0.0136	0.0090	£6.65	£5.06
ZSH0.5-32	32	16.80	17.80	12.00	4	0.0142	0.0096	£6.68	£5.09

24.6



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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH0.5-33	33	17.33	18.33	12	4	0.0149	0.0103	£6.75	£5.19
ZSH0.5-34	34	17.85	18.85	12	4	0.0155	0.0109	£6.77	£5.22
ZSH0.5-35	35	18.38	19.38	12	4	0.0162	0.0116	£6.87	£5.23
ZSH0.5-36	36	18.90	19.90	12	4	0.0169	0.0123	£6.87	£5.25
ZSH0.5-40	40	21.00	22.00	12	4	0.0199	0.0153	£7.02	£5.33
ZSH0.5-41	41	21.53	22.53	12	4	0.0208	0.0161	£7.10	£5.48
ZSH0.5-42	42	22.05	23.05	12	4	0.0216	0.0170	£7.27	£5.52
ZSH0.5-43	43	22.58	23.58	12	4	0.0224	0.0178	£7.28	£5.54
ZSH0.5-44	44	23.10	24.10	12	4	0.0233	0.0187	£7.36	£5.58
ZSH0.5-45	45	23.63	24.63	12	4	0.0242	0.0196	£7.40	£5.67
ZSH0.5-46	46	24.15	25.15	12	4	0.0251	0.0205	£7.45	£5.73
ZSH0.5-47	47	24.68	25.68	12	4	0.0260	0.0214	£7.63	£5.81
ZSH0.5-48	48	25.20	26.20	12	4	0.0269	0.0223	£7.64	£5.83
ZSH0.5-49	49	25.73	26.73	12	4	0.0279	0.0233	£7.73	£5.90
ZSH0.5-50	50	26.25	27.25	12	4	0.0289	0.0243	£7.75	£5.95
ZSH0.5-51	51	26.78	27.78	12	4	0.0299	0.0253	£7.87	£6.03
ZSH0.5-52	52	27.30	28.30	12	4	0.0309	0.0263	£7.94	£6.06
ZSH0.5-53	53	27.83	28.83	14	4	0.0338	0.0274	£8.02	£6.14
ZSH0.5-54	54	28.35	29.35	14	4	0.0349	0.0284	£8.10	£6.15
ZSH0.5-55	55	28.88	29.88	14	4	0.0360	0.0295	£8.12	£6.20
ZSH0.5-56	56	29.40	30.40	14	4	0.0371	0.0306	£8.18	£6.30
ZSH0.5-57	57	29.93	30.93	14	4	0.0382	0.0317	£8.20	£6.32
ZSH0.5-58	58	30.45	31.45	14	4	0.0393	0.0329	£8.29	£6.38
ZSH0.5-59	59	30.98	31.98	14	4	0.0405	0.0340	£8.38	£6.40
ZSH0.5-60	60	31.50	32.50	14	4	0.0417	0.0352	£9.26	£7.04
ZSH0.5-61	61	32.03	33.03	14	4	0.0429	0.0364	£9.30	£7.10
ZSH0.5-62	62	32.55	33.55	14	4	0.0441	0.0376	£9.32	£7.14
ZSH0.5-63	63	33.08	34.08	14	4	0.0454	0.0389	£9.47	£7.20
ZSH0.5-64	64	33.60	34.60	14	4	0.0466	0.0401	£9.51	£7.28
ZSH0.5-65	65	34.13	35.13	14	4	0.0479	0.0414	£9.55	£7.36
ZSH0.5-68	68	35.70	36.70	14	4	0.0519	0.0454	£9.60	£7.37
ZSH0.5-70	70	36.75	37.75	14	4	0.0546	0.0481	£9.65	£7.38
ZSH0.5-72	72	37.80	38.80	14	4	0.0574	0.0509	£9.76	£7.45
ZSH0.5-75	75	39.38	40.38	14	4	0.0618	0.0553	£9.86	£7.49
ZSH0.5-77	77	40.43	41.43	16	5	0.0664	0.0580	£9.93	£7.64
ZSH0.5-80	80	42.00	43.00	16	5	0.0710	0.0627	£10.04	£7.72
ZSH0.5-84	84	44.10	45.10	16	5	0.0776	0.0692	£11.51	£8.81
ZSH0.5-86	86	45.15	46.15	16	5	0.0809	0.0726	£11.67	£8.93
ZSH0.5-88	88	46.20	47.20	16	5	0.0844	0.0761	£11.76	£8.96
ZSH0.5-90	90	47.25	48.25	16	5	0.0879	0.0796	£11.85	£9.08
ZSH0.5-96	96	50.40	51.40	16	5	0.0990	0.0907	£11.96	£9.20
ZSH0.5-100	100	52.50	53.50	16	5	0.1068	0.0985	£12.08	£9.26
ZSH0.5-120	120	63.00	64.00	16	6	0.1506	0.1422	£12.22	£9.32
ZSH0.5-140	140	73.50	74.50	16	6	0.2022	0.1939	£12.34	£9.47
ZSH0.5-150	150	78.75	79.75	16	8	0.2311	0.2227	£12.39	£9.51
ZSH0.5-180	180	94.50	95.50	16	8	0.3295	0.3211	£18.04	£13.78

Helical Gears Parallel Axis Plastic MOD 0.5

'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.

