

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 at back	TORQUE Nm.	2.25	8.92	1.13	0.81
	K.W.	0.24	0.933	0.119	0.082



RH 17°45'

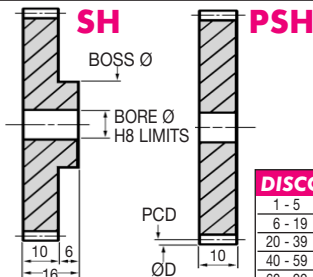


LH 17°45'

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	£10.13	£8.45
SH0.8-10	10	8.40	10.00	10.00	5	0.005	0.003	£10.15	£8.46
SH0.8-11	11	9.24	10.84	10.84	5	0.007	0.004	£10.22	£8.47
SH0.8-12	12	10.08	11.68	11.68	5	0.010	0.006	£10.22	£8.51
SH0.8-13	13	10.92	12.52	12.00	5	0.010	0.006	£10.43	£8.64
SH0.8-14	14	11.76	13.36	12.00	5	0.011	0.007	£10.62	£8.75
SH0.8-15	15	12.60	14.20	12.00	5	0.012	0.008	£10.89	£8.84
SH0.8-16	16	13.44	15.04	12.00	5	0.014	0.009	£11.16	£8.99
SH0.8-17	17	14.28	15.88	12.00	5	0.015	0.011	£11.54	£9.09
SH0.8-18	18	15.12	16.72	12.00	5	0.017	0.012	£11.81	£9.19
SH0.8-19	19	15.96	17.56	12.00	5	0.018	0.014	£11.88	£9.28
SH0.8-20	20	16.80	18.40	12.00	5	0.020	0.015	£12.00	£9.33
SH0.8-21	21	17.64	19.24	12.00	5	0.021	0.017	£12.16	£9.47
SH0.8-22	22	18.48	20.08	12.00	5	0.023	0.019	£12.25	£9.58
SH0.8-23	23	19.32	20.92	12.00	5	0.025	0.021	£12.41	£9.63
SH0.8-24	24	20.16	21.76	12.00	5	0.027	0.023	£12.51	£9.73
SH0.8-25	25	21.00	22.60	12.00	5	0.029	0.025	£12.64	£9.80
SH0.8-26	26	21.84	23.44	12.00	5	0.031	0.027	£12.76	£9.90
SH0.8-27	27	22.68	24.28	12.00	5	0.034	0.029	£12.87	£9.96
SH0.8-28	28	23.52	25.12	12.00	5	0.036	0.032	£12.94	£10.06
SH0.8-29	29	24.36	25.96	16.00	6	0.041	0.034	£13.04	£10.13
SH0.8-30	30	25.20	26.80	16.00	6	0.044	0.036	£13.12	£10.28
SH0.8-31	31	26.04	27.64	16.00	6	0.047	0.039	£13.14	£10.37

596



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Helical Gears Parallel Axis Steel MOD 0.8

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	£13.16	£10.47
SH0.8-33	33	27.72	29.32	16	6	0.052	0.044	£13.21	£10.57
SH0.8-34	34	28.56	30.16	16	6	0.055	0.047	£13.24	£10.74
SH0.8-35	35	29.40	31.00	16	6	0.058	0.050	£13.27	£10.84
SH0.8-36	36	30.24	31.84	16	6	0.061	0.053	£13.32	£10.90
SH0.8-37	37	31.08	32.68	16	6	0.064	0.056	£13.39	£11.05
SH0.8-38	38	31.92	33.52	16	6	0.067	0.059	£13.40	£11.16
SH0.8-39	39	32.76	34.36	16	6	0.070	0.062	£13.43	£11.27
SH0.8-40	40	33.60	35.20	16	6	0.074	0.066	£13.44	£11.39
SH0.8-41	41	34.44	36.04	16	6	0.077	0.069	£13.46	£11.54
SH0.8-42	42	35.28	36.88	16	6	0.081	0.073	£13.49	£11.61
SH0.8-43	43	36.12	37.72	16	6	0.084	0.076	£13.51	£11.74
SH0.8-44	44	36.96	38.56	16	6	0.088	0.080	£13.53	£11.85
SH0.8-45	45	37.80	39.40	16	6	0.092	0.084	£13.57	£11.95
SH0.8-46	46	38.64	40.24	16	6	0.096	0.088	£13.67	£12.10
SH0.8-47	47	39.48	41.08	16	6	0.099	0.092	£13.68	£12.19
SH0.8-48	48	40.32	41.92	16	6	0.103	0.096	£13.73	£12.32
SH0.8-49	49	41.16	42.76	16	6	0.108	0.100	£13.77	£12.42
SH0.8-50	50	42.00	43.60	16	6	0.112	0.104	£13.80	£12.52
SH0.8-51	51	42.84	44.44	16	6	0.116	0.108	£13.87	£12.64
SH0.8-52	52	43.68	45.28	16	6	0.120	0.113	£13.95	£12.74
SH0.8-53	53	44.52	46.12	16	6	0.125	0.117	£13.99	£12.82
SH0.8-54	54	45.36	46.96	16	6	0.129	0.121	£14.06	£12.88
SH0.8-55	55	46.20	47.80	16	6	0.134	0.126	£14.13	£13.02
SH0.8-56	56	47.04	48.64	16	6	0.139	0.131	£14.19	£13.07
SH0.8-57	57	47.88	49.48	16	8	0.141	0.134	£14.24	£13.16
SH0.8-58	58	48.72	50.32	16	8	0.146	0.139	£14.29	£13.27
SH0.8-59	59	49.56	51.16	16	8	0.151	0.144	£14.35	£13.40
SH0.8-60	60	50.40	52.00	16	8	0.156	0.149	£14.38	£13.46
SH0.8-61	61	51.24	52.84	16	8	0.161	0.154	£14.54	£13.53
SH0.8-62	62	52.08	53.68	16	8	0.166	0.159	£14.58	£13.67
SH0.8-63	63	52.92	54.52	16	8	0.171	0.164	£14.64	£13.73
SH0.8-64	64	53.76	55.36	16	8	0.177	0.170	£14.68	£13.82
SH0.8-66	66	55.44	57.04	16	8	0.188	0.181	£14.72	£13.95
SH0.8-68	68	57.12	58.72	16	8	0.199	0.192	£14.76	£14.00
SH0.8-70	70	58.80	60.40	16	8	0.211	0.204	£14.86	£14.13
SH0.8-75	75	63.00	64.60	16	8	0.242	0.235	£15.12	£14.54
SH0.8-76	76	63.84	65.44	16	8	0.248	0.241	£15.42	£14.86
SH0.8-80	80	67.20	68.80	16	8	0.274	0.268	£15.88	£15.25
SH0.8-86	86	72.24	73.84	16	8	0.317	0.310	£16.12	£15.61
SH0.8-88	88	73.92	75.52	16	8	0.331	0.325	£16.40	£16.01
SH0.8-90	90	75.60	77.20	20	8	0.352	0.340	£16.74	£16.40
SH0.8-96	96	80.64	82.24	20	8	0.399	0.387	£17.02	£16.75
SH0.8-100	100	84.00	85.60	20	8	0.432	0.420	£18.65	£17.16
SH0.8-112	112	94.08	95.68	20	8	0.540	0.528	£21.64	£18.52
SH0.8-120	120	100.80	102.40	20	10	0.619	0.607	£24.61	£21.40
SH0.8-127	127	106.68	108.28	20	10	0.692	0.680	£29.55	£22.24
SH0.8-128	128	107.52	109.12	20	10	0.703	0.691	£30.49	£25.40
SH0.8-140	140	117.60	119.20	20	10	0.839	0.827	£32.23	£26.83
SH0.8-150	150	126.00	127.60	30	12	0.962	0.950	£37.27	£31.05
SH0.8-175	175	147.00	148.60	30	12	1.307	1.295	£47.36	£39.47
SH0.8-200	200	168.00	169.60	40	15	1.705	1.692	£53.12	£44.27

Helical Gears Parallel Axis Steel MOD 0.8

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)

0.8 MOD

17°45' H.A.
20° P.A.

SPECIAL TEETH : between 9 - 140



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.50



RH 17°45'

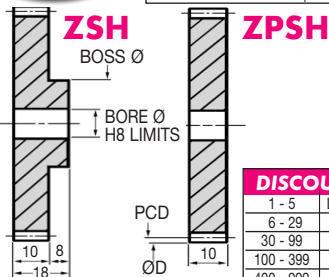


LH 17°45'

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
ZSH0.8-9	9	8.40	10.00	10.00	3	0.0116	0.0037	£5.01	£3.84
ZSH0.8-10	10	8.40	10.00	10.00	3	0.0116	0.0037	£5.04	£3.86
ZSH0.8-11	11	9.24	10.84	10.84	3	0.0120	0.0046	£5.10	£3.89
ZSH0.8-12	12	10.80	11.68	11.68	3	0.0126	0.0065	£5.12	£3.90
ZSH0.8-13	13	10.92	12.52	12.52	3	0.0137	0.0066	£5.24	£3.92
ZSH0.8-14	14	11.76	13.36	13.36	3	0.0159	0.0078	£5.35	£4.08
ZSH0.8-15	15	12.60	14.20	14.20	3	0.0183	0.0090	£5.45	£4.15
ZSH0.8-16	16	13.44	15.04	15.04	3	0.0208	0.0103	£5.57	£4.29
ZSH0.8-17	17	14.28	15.88	15.88	3	0.0234	0.0117	£5.75	£4.43
ZSH0.8-18	18	15.12	16.72	14.00	4	0.0214	0.0128	£5.91	£4.50
ZSH0.8-19	19	15.96	17.56	14.00	4	0.0230	0.0143	£5.96	£4.55
ZSH0.8-20	20	16.80	18.40	14.00	4	0.0247	0.0160	£5.99	£4.63
ZSH0.8-21	21	17.64	19.24	14.00	4	0.0264	0.0177	£6.08	£4.65
ZSH0.8-22	22	18.48	20.08	14.00	4	0.0282	0.0196	£6.20	£4.69
ZSH0.8-23	23	19.32	20.92	14.00	4	0.0301	0.0215	£6.25	£4.73
ZSH0.8-24	24	20.16	21.76	14.00	4	0.0321	0.0235	£6.27	£4.76
ZSH0.8-25	25	21.00	22.60	14.00	4	0.0342	0.0255	£6.34	£4.87
ZSH0.8-26	26	21.84	23.44	14.00	4	0.0364	0.0277	£6.37	£4.92
ZSH0.8-27	27	22.68	24.28	14.00	4	0.0386	0.0300	£6.49	£4.94
ZSH0.8-28	28	23.52	25.12	14.00	4	0.0409	0.0323	£6.51	£4.95
ZSH0.8-29	29	24.36	25.96	14.00	4	0.0434	0.0347	£6.56	£4.97
ZSH0.8-30	30	25.20	26.80	16.00	5	0.0478	0.0367	£6.57	£4.99
ZSH0.8-31	31	26.04	27.64	16.00	5	0.0504	0.0393	£6.58	£5.03



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH0.8-32	32	26.88	28.48	16	5	0.0530	0.0419	£6.59	£5.04
ZSH0.8-33	33	27.72	29.32	16	5	0.0558	0.0447	£6.60	£5.06
ZSH0.8-34	34	28.56	30.16	16	5	0.0586	0.0475	£7.32	£5.62
ZSH0.8-35	35	29.40	31.00	16	5	0.0616	0.0504	£7.33	£5.64
ZSH0.8-36	36	30.24	31.84	16	5	0.0646	0.0535	£7.35	£5.65
ZSH0.8-37	37	31.08	32.68	16	5	0.0677	0.0566	£7.36	£5.66
ZSH0.8-38	38	31.92	33.52	16	5	0.0708	0.0597	£7.42	£5.67
ZSH0.8-39	39	32.76	34.36	16	5	0.0741	0.0630	£7.42	£5.68
ZSH0.8-40	40	33.60	35.20	16	5	0.0775	0.0663	£7.44	£5.69
ZSH0.8-41	41	34.44	36.04	16	5	0.0809	0.0698	£7.46	£5.70
ZSH0.8-42	42	35.28	36.88	16	5	0.0844	0.0733	£7.47	£5.71
ZSH0.8-43	43	36.12	37.72	16	5	0.0880	0.0769	£7.49	£5.72
ZSH0.8-44	44	36.96	38.56	16	5	0.0917	0.0806	£7.50	£5.73
ZSH0.8-45	45	37.80	39.40	16	5	0.0955	0.0844	£7.51	£5.74
ZSH0.8-46	46	38.64	40.24	16	5	0.0993	0.0882	£8.59	£6.34
ZSH0.8-47	47	39.48	41.08	16	5	0.1033	0.0922	£8.60	£6.58
ZSH0.8-48	48	40.32	41.92	16	5	0.1073	0.0962	£8.61	£6.59
ZSH0.8-49	49	41.16	42.76	16	5	0.1114	0.1003	£8.64	£6.65
ZSH0.8-50	50	42.00	43.60	16	5	0.1156	0.1045	£8.64	£6.66
ZSH0.8-51	51	42.84	44.44	16	5	0.1199	0.1088	£8.70	£6.68
ZSH0.8-52	52	43.68	45.28	16	5	0.1243	0.1132	£8.76	£6.75
ZSH0.8-53	53	44.52	46.12	16	5	0.1287	0.1176	£8.81	£6.80
ZSH0.8-54	54	45.36	46.96	16	5	0.1333	0.1222	£8.84	£6.81
ZSH0.8-55	55	46.20	47.80	18	6	0.1400	0.1261	£8.88	£6.83
ZSH0.8-56	56	47.04	48.64	18	6	0.1447	0.1308	£8.91	£6.88
ZSH0.8-57	57	47.88	49.48	18	6	0.1495	0.1356	£8.96	£8.25
ZSH0.8-58	58	48.72	50.32	18	6	0.1543	0.1405	£10.82	£8.27
ZSH0.8-59	59	49.56	51.16	18	6	0.1593	0.1455	£10.84	£8.29
ZSH0.8-60	60	50.40	52.00	18	6	0.1643	0.1505	£10.85	£8.31
ZSH0.8-61	61	51.24	52.84	18	6	0.1695	0.1556	£10.99	£8.38
ZSH0.8-62	62	52.08	53.68	18	6	0.1747	0.1608	£11.05	£8.42
ZSH0.8-63	63	52.92	54.52	18	6	0.1800	0.1661	£11.06	£8.44
ZSH0.8-64	64	53.76	55.36	18	6	0.1854	0.1715	£11.07	£8.51
ZSH0.8-66	66	55.44	57.04	18	6	0.1964	0.1826	£11.08	£8.52
ZSH0.8-68	68	57.12	58.72	18	6	0.2078	0.1939	£11.15	£8.54
ZSH0.8-70	70	58.80	60.40	18	6	0.2195	0.2056	£12.76	£9.75
ZSH0.8-75	75	63.00	64.60	18	6	0.2502	0.2364	£12.94	£9.91
ZSH0.8-76	76	63.84	65.44	18	6	0.2566	0.2428	£13.23	£10.12
ZSH0.8-80	80	67.20	68.80	18	6	0.2831	0.2692	£13.62	£10.33
ZSH0.8-86	86	72.24	73.84	18	6	0.3253	0.3115	£13.81	£10.57
ZSH0.8-88	88	73.92	75.52	22	6	0.3478	0.3262	£14.87	£11.39
ZSH0.8-90	90	75.60	77.20	22	6	0.3629	0.3413	£15.18	£11.61
ZSH0.8-96	96	80.64	82.24	22	8	0.4102	0.3887	£15.42	£11.84
ZSH0.8-100	100	84.00	85.60	22	8	0.4434	0.4219	£16.94	£12.94
ZSH0.8-112	112	94.08	95.68	22	8	0.5513	0.5298	£21.87	£16.77
ZSH0.8-120	120	100.80	102.40	30	10	0.6300	0.6085	£27.34	£20.98
ZSH0.8-140	140	117.60	119.20	30	10	0.8505	0.8290	£34.24	£27.92

Helical Gears Parallel Axis Plastic MOD 0.8

'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.

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599