

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 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
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'

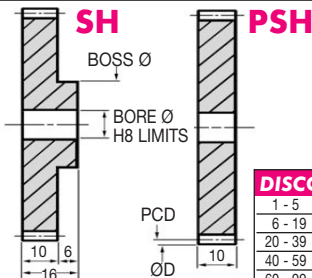


LH 17°45'

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	£9.65	£8.05
SH0.8-10	10	8.40	10.00	10.00	5	0.005	0.003	£9.67	£8.06
SH0.8-11	11	9.24	10.84	10.84	5	0.007	0.004	£9.73	£8.07
SH0.8-12	12	10.08	11.68	11.68	5	0.010	0.006	£9.73	£8.10
SH0.8-13	13	10.92	12.52	12.00	5	0.010	0.006	£9.93	£8.23
SH0.8-14	14	11.76	13.36	12.00	5	0.011	0.007	£10.11	£8.33
SH0.8-15	15	12.60	14.20	12.00	5	0.012	0.008	£10.37	£8.42
SH0.8-16	16	13.44	15.04	12.00	5	0.014	0.009	£10.63	£8.56
SH0.8-17	17	14.28	15.88	12.00	5	0.015	0.011	£10.99	£8.66
SH0.8-18	18	15.12	16.72	12.00	5	0.017	0.012	£11.25	£8.75
SH0.8-19	19	15.96	17.56	12.00	5	0.018	0.014	£11.31	£8.84
SH0.8-20	20	16.80	18.40	12.00	5	0.020	0.015	£11.43	£8.89
SH0.8-21	21	17.64	19.24	12.00	5	0.021	0.017	£11.58	£9.02
SH0.8-22	22	18.48	20.08	12.00	5	0.023	0.019	£11.67	£9.12
SH0.8-23	23	19.32	20.92	12.00	5	0.025	0.021	£11.82	£9.17
SH0.8-24	24	20.16	21.76	12.00	5	0.027	0.023	£11.91	£9.27
SH0.8-25	25	21.00	22.60	12.00	5	0.029	0.025	£12.04	£9.33
SH0.8-26	26	21.84	23.44	12.00	5	0.031	0.027	£12.15	£9.43
SH0.8-27	27	22.68	24.28	12.00	5	0.034	0.029	£12.26	£9.49
SH0.8-28	28	23.52	25.12	12.00	5	0.036	0.032	£12.32	£9.58
SH0.8-29	29	24.36	25.96	16.00	6	0.041	0.034	£12.42	£9.65
SH0.8-30	30	25.20	26.80	16.00	6	0.044	0.036	£12.50	£9.79
SH0.8-31	31	26.04	27.64	16.00	6	0.047	0.039	£12.51	£9.88

Helical Gears Parallel Axis Steel MOD 0.8

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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	£12.53	£9.97
SH0.8-33	33	27.72	29.32	16	6	0.052	0.044	£12.58	£10.07
SH0.8-34	34	28.56	30.16	16	6	0.055	0.047	£12.61	£10.23
SH0.8-35	35	29.40	31.00	16	6	0.058	0.050	£12.64	£10.32
SH0.8-36	36	30.24	31.84	16	6	0.061	0.053	£12.69	£10.38
SH0.8-37	37	31.08	32.68	16	6	0.064	0.056	£12.75	£10.52
SH0.8-38	38	31.92	33.52	16	6	0.067	0.059	£12.76	£10.63
SH0.8-39	39	32.76	34.36	16	6	0.070	0.062	£12.79	£10.73
SH0.8-40	40	33.60	35.20	16	6	0.074	0.066	£12.80	£10.85
SH0.8-41	41	34.44	36.04	16	6	0.077	0.069	£12.82	£10.99
SH0.8-42	42	35.28	36.88	16	6	0.081	0.073	£12.85	£11.06
SH0.8-43	43	36.12	37.72	16	6	0.084	0.076	£12.87	£11.18
SH0.8-44	44	36.96	38.56	16	6	0.088	0.080	£12.89	£11.29
SH0.8-45	45	37.80	39.40	16	6	0.092	0.084	£12.92	£11.38
SH0.8-46	46	38.64	40.24	16	6	0.096	0.088	£13.02	£11.52
SH0.8-47	47	39.48	41.08	16	6	0.099	0.092	£13.03	£11.61
SH0.8-48	48	40.32	41.92	16	6	0.103	0.096	£13.08	£11.73
SH0.8-49	49	41.16	42.76	16	6	0.108	0.100	£13.11	£11.83
SH0.8-50	50	42.00	43.60	16	6	0.112	0.104	£13.14	£11.92
SH0.8-51	51	42.84	44.44	16	6	0.116	0.108	£13.21	£12.04
SH0.8-52	52	43.68	45.28	16	6	0.120	0.113	£13.29	£12.13
SH0.8-53	53	44.52	46.12	16	6	0.125	0.117	£13.32	£12.21
SH0.8-54	54	45.36	46.96	16	6	0.129	0.121	£13.39	£12.27
SH0.8-55	55	46.20	47.80	16	6	0.134	0.126	£13.46	£12.40
SH0.8-56	56	47.04	48.64	16	6	0.139	0.131	£13.51	£12.45
SH0.8-57	57	47.88	49.48	16	8	0.141	0.134	£13.56	£12.53
SH0.8-58	58	48.72	50.32	16	8	0.146	0.139	£13.61	£12.64
SH0.8-59	59	49.56	51.16	16	8	0.151	0.144	£13.67	£12.76
SH0.8-60	60	50.40	52.00	16	8	0.156	0.149	£13.70	£12.82
SH0.8-61	61	51.24	52.84	16	8	0.161	0.154	£13.85	£12.89
SH0.8-62	62	52.08	53.68	16	8	0.166	0.159	£13.89	£13.02
SH0.8-63	63	52.92	54.52	16	8	0.171	0.164	£13.94	£13.08
SH0.8-64	64	53.76	55.36	16	8	0.177	0.170	£13.98	£13.16
SH0.8-66	66	55.44	57.04	16	8	0.188	0.181	£14.02	£13.29
SH0.8-68	68	57.12	58.72	16	8	0.199	0.192	£14.06	£13.33
SH0.8-70	70	58.80	60.40	16	8	0.211	0.204	£14.15	£13.46
SH0.8-75	75	63.00	64.60	16	8	0.242	0.235	£14.40	£13.85
SH0.8-76	76	63.84	65.44	16	8	0.248	0.241	£14.69	£14.15
SH0.8-80	80	67.20	68.80	16	8	0.274	0.268	£15.12	£14.52
SH0.8-86	86	72.24	73.84	16	8	0.317	0.310	£15.35	£14.87
SH0.8-88	88	73.92	75.52	16	8	0.331	0.325	£15.62	£15.25
SH0.8-90	90	75.60	77.20	20	8	0.352	0.340	£15.94	£15.62
SH0.8-96	96	80.64	82.24	20	8	0.399	0.387	£16.21	£15.95
SH0.8-100	100	84.00	85.60	20	8	0.432	0.420	£17.76	£16.34
SH0.8-112	112	94.08	95.68	20	8	0.540	0.528	£20.61	£17.64
SH0.8-120	120	100.80	102.40	20	10	0.619	0.607	£23.44	£20.38
SH0.8-127	127	106.68	108.28	20	10	0.692	0.680	£28.14	£21.18
SH0.8-128	128	107.52	109.12	20	10	0.703	0.691	£29.04	£24.19
SH0.8-140	140	117.60	119.20	20	10	0.839	0.827	£30.70	£25.55
SH0.8-150	150	126.00	127.60	30	12	0.962	0.950	£35.50	£29.57
SH0.8-175	175	147.00	148.60	30	12	1.307	1.295	£45.10	£37.59
SH0.8-200	200	168.00	169.60	40	15	1.705	1.692	£50.59	£42.16

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

SPECIALS
ON DEMAND

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



RH 17°45'

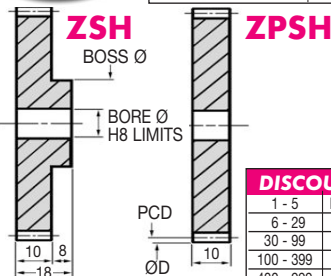


LH 17°45'

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	£4.77	£3.66
ZSH0.8-10	10	8.40	10.00	10.00	3	0.0116	0.0037	£4.80	£3.68
ZSH0.8-11	11	9.24	10.84	10.84	3	0.0120	0.0046	£4.86	£3.70
ZSH0.8-12	12	10.80	11.68	11.68	3	0.0126	0.0065	£4.88	£3.71
ZSH0.8-13	13	10.92	12.52	12.52	3	0.0137	0.0066	£4.99	£3.73
ZSH0.8-14	14	11.76	13.36	13.36	3	0.0159	0.0078	£5.10	£3.89
ZSH0.8-15	15	12.60	14.20	14.20	3	0.0183	0.0090	£5.19	£3.95
ZSH0.8-16	16	13.44	15.04	15.04	3	0.0208	0.0103	£5.30	£4.09
ZSH0.8-17	17	14.28	15.88	15.88	3	0.0234	0.0117	£5.48	£4.22
ZSH0.8-18	18	15.12	16.72	14.00	4	0.0214	0.0128	£5.63	£4.29
ZSH0.8-19	19	15.96	17.56	14.00	4	0.0230	0.0143	£5.68	£4.33
ZSH0.8-20	20	16.80	18.40	14.00	4	0.0247	0.0160	£5.70	£4.41
ZSH0.8-21	21	17.64	19.24	14.00	4	0.0264	0.0177	£5.79	£4.43
ZSH0.8-22	22	18.48	20.08	14.00	4	0.0282	0.0196	£5.90	£4.47
ZSH0.8-23	23	19.32	20.92	14.00	4	0.0301	0.0215	£5.95	£4.50
ZSH0.8-24	24	20.16	21.76	14.00	4	0.0321	0.0235	£5.97	£4.53
ZSH0.8-25	25	21.00	22.60	14.00	4	0.0342	0.0255	£6.04	£4.64
ZSH0.8-26	26	21.84	23.44	14.00	4	0.0364	0.0277	£6.07	£4.69
ZSH0.8-27	27	22.68	24.28	14.00	4	0.0386	0.0300	£6.18	£4.70
ZSH0.8-28	28	23.52	25.12	14.00	4	0.0409	0.0323	£6.20	£4.71
ZSH0.8-29	29	24.36	25.96	14.00	4	0.0434	0.0347	£6.25	£4.73
ZSH0.8-30	30	25.20	26.80	16.00	5	0.0478	0.0367	£6.26	£4.75
ZSH0.8-31	31	26.04	27.64	16.00	5	0.0504	0.0393	£6.27	£4.79

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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
ZSH0.8-32	32	26.88	28.48	16	5	0.0530	0.0419	£6.28	£4.80
ZSH0.8-33	33	27.72	29.32	16	5	0.0558	0.0447	£6.29	£4.82
ZSH0.8-34	34	28.56	30.16	16	5	0.0586	0.0475	£6.97	£5.35
ZSH0.8-35	35	29.40	31.00	16	5	0.0616	0.0504	£6.98	£5.37
ZSH0.8-36	36	30.24	31.84	16	5	0.0646	0.0535	£7.00	£5.38
ZSH0.8-37	37	31.08	32.68	16	5	0.0677	0.0566	£7.01	£5.39
ZSH0.8-38	38	31.92	33.52	16	5	0.0708	0.0597	£7.07	£5.40
ZSH0.8-39	39	32.76	34.36	16	5	0.0741	0.0630	£7.07	£5.41
ZSH0.8-40	40	33.60	35.20	16	5	0.0775	0.0663	£7.09	£5.42
ZSH0.8-41	41	34.44	36.04	16	5	0.0809	0.0698	£7.10	£5.43
ZSH0.8-42	42	35.28	36.88	16	5	0.0844	0.0733	£7.11	£5.44
ZSH0.8-43	43	36.12	37.72	16	5	0.0880	0.0769	£7.13	£5.45
ZSH0.8-44	44	36.96	38.56	16	5	0.0917	0.0806	£7.14	£5.46
ZSH0.8-45	45	37.80	39.40	16	5	0.0955	0.0844	£7.15	£5.47
ZSH0.8-46	46	38.64	40.24	16	5	0.0993	0.0882	£8.18	£6.04
ZSH0.8-47	47	39.48	41.08	16	5	0.1033	0.0922	£8.19	£6.27
ZSH0.8-48	48	40.32	41.92	16	5	0.1073	0.0962	£8.20	£6.28
ZSH0.8-49	49	41.16	42.76	16	5	0.1114	0.1003	£8.23	£6.33
ZSH0.8-50	50	42.00	43.60	16	5	0.1156	0.1045	£8.23	£6.34
ZSH0.8-51	51	42.84	44.44	16	5	0.1199	0.1088	£8.29	£6.36
ZSH0.8-52	52	43.68	45.28	16	5	0.1243	0.1132	£8.34	£6.43
ZSH0.8-53	53	44.52	46.12	16	5	0.1287	0.1176	£8.39	£6.48
ZSH0.8-54	54	45.36	46.96	16	5	0.1333	0.1222	£8.42	£6.49
ZSH0.8-55	55	46.20	47.80	18	6	0.1400	0.1261	£8.46	£6.50
ZSH0.8-56	56	47.04	48.64	18	6	0.1447	0.1308	£8.49	£6.55
ZSH0.8-57	57	47.88	49.48	18	6	0.1495	0.1356	£8.53	£7.86
ZSH0.8-58	58	48.72	50.32	18	6	0.1543	0.1405	£10.30	£7.88
ZSH0.8-59	59	49.56	51.16	18	6	0.1593	0.1455	£10.32	£7.90
ZSH0.8-60	60	50.40	52.00	18	6	0.1643	0.1505	£10.33	£7.91
ZSH0.8-61	61	51.24	52.84	18	6	0.1695	0.1556	£10.47	£7.98
ZSH0.8-62	62	52.08	53.68	18	6	0.1747	0.1608	£10.52	£8.02
ZSH0.8-63	63	52.92	54.52	18	6	0.1800	0.1661	£10.53	£8.04
ZSH0.8-64	64	53.76	55.36	18	6	0.1854	0.1715	£10.54	£8.10
ZSH0.8-66	66	55.44	57.04	18	6	0.1964	0.1826	£10.55	£8.11
ZSH0.8-68	68	57.12	58.72	18	6	0.2078	0.1939	£10.62	£8.13
ZSH0.8-70	70	58.80	60.40	18	6	0.2195	0.2056	£12.15	£9.29
ZSH0.8-75	75	63.00	64.60	18	6	0.2502	0.2364	£12.32	£9.44
ZSH0.8-76	76	63.84	65.44	18	6	0.2566	0.2428	£12.60	£9.64
ZSH0.8-80	80	67.20	68.80	18	6	0.2831	0.2692	£12.97	£9.84
ZSH0.8-86	86	72.24	73.84	18	6	0.3253	0.3115	£13.15	£10.07
ZSH0.8-88	88	73.92	75.52	22	6	0.3478	0.3262	£14.16	£10.85
ZSH0.8-90	90	75.60	77.20	22	6	0.3629	0.3413	£14.46	£11.06
ZSH0.8-96	96	80.64	82.24	22	8	0.4102	0.3887	£14.69	£11.28
ZSH0.8-100	100	84.00	85.60	22	8	0.4434	0.4219	£16.13	£12.32
ZSH0.8-112	112	94.08	95.68	22	8	0.5513	0.5298	£20.83	£15.97
ZSH0.8-120	120	100.80	102.40	30	10	0.6300	0.6085	£26.04	£19.98
ZSH0.8-140	140	117.60	119.20	30	10	0.8505	0.8290	£32.61	£26.59

'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.

