

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

1.25 MOD 17°45'H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 9 - 140

TORQUE CHECK 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	TORQUE Nm.	6.61	43.45	3.31	2.36
	K.W.	0.69	4.55	0.34	0.25



RH 17°45'

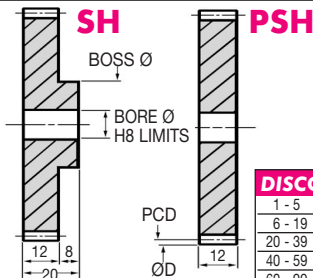


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	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
SH1.25-9	9	13.13	15.63	12	6	0.018	0.010	£11.08	£9.42
SH1.25-10	10	13.13	15.63	12	6	0.018	0.010	£11.11	£9.43
SH1.25-11	11	14.44	16.94	12	6	0.020	0.012	£11.12	£9.44
SH1.25-12	12	15.75	18.25	12	6	0.024	0.015	£11.13	£9.46
SH1.25-13	13	17.06	19.56	12	6	0.027	0.018	£11.67	£10.27
SH1.25-14	14	18.38	20.88	12	6	0.030	0.022	£11.91	£10.53
SH1.25-15	15	19.69	22.19	12	6	0.026	0.017	£12.13	£10.82
SH1.25-16	16	21.00	23.50	15	8	0.040	0.027	£12.50	£11.26
SH1.25-17	17	22.31	24.81	15	8	0.044	0.031	£12.82	£11.49
SH1.25-18	18	23.63	26.13	15	8	0.049	0.036	£13.16	£11.67
SH1.25-19	19	24.94	27.44	15	8	0.053	0.040	£13.67	£11.83
SH1.25-20	20	26.25	28.75	15	8	0.058	0.045	£13.89	£11.92
SH1.25-21	21	27.56	30.06	15	8	0.063	0.050	£14.05	£11.98
SH1.25-22	22	28.88	31.38	15	8	0.069	0.056	£14.15	£12.04
SH1.25-23	23	30.19	32.69	15	8	0.074	0.061	£14.40	£12.10
SH1.25-24	24	31.50	34.00	15	8	0.080	0.067	£14.63	£12.13
SH1.25-25	25	32.81	35.31	15	8	0.086	0.073	£14.90	£12.32
SH1.25-26	26	34.13	36.63	15	8	0.093	0.079	£15.11	£12.50
SH1.25-27	27	35.44	37.94	15	8	0.099	0.086	£15.46	£12.61
SH1.25-28	28	36.75	39.25	15	8	0.106	0.093	£16.13	£12.76
SH1.25-29	29	38.06	40.56	15	8	0.113	0.100	£16.54	£12.82
SH1.25-30	30	39.38	41.88	25	8	0.149	0.107	£17.05	£12.92
SH1.25-31	31	40.69	43.19	25	8	0.157	0.115	£17.44	£13.02



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH1.25-32	32	42.00	44.50	25	8	0.165	0.123	£17.79	£13.06
SH1.25-33	33	43.31	45.81	25	8	0.173	0.131	£18.12	£13.11
SH1.25-34	34	44.63	47.13	25	8	0.181	0.139	£18.38	£13.16
SH1.25-35	35	45.94	48.44	25	8	0.190	0.148	£18.78	£13.23
SH1.25-36	36	47.25	49.75	25	8	0.198	0.156	£19.02	£13.38
SH1.25-37	37	48.56	51.06	25	8	0.187	0.145	£19.23	£13.39
SH1.25-38	38	49.88	52.38	25	8	0.217	0.175	£19.38	£13.51
SH1.25-39	39	51.19	53.69	25	8	0.226	0.184	£19.59	£13.57
SH1.25-40	40	52.50	55.00	30	10	0.252	0.192	£19.84	£13.60
SH1.25-41	41	53.81	56.31	30	10	0.262	0.202	£19.91	£13.85
SH1.25-42	42	55.13	57.63	30	10	0.272	0.212	£19.98	£13.94
SH1.25-43	43	56.44	58.94	30	10	0.283	0.223	£20.04	£14.02
SH1.25-44	44	57.75	60.25	30	10	0.293	0.233	£20.12	£14.15
SH1.25-45	45	59.06	61.56	30	10	0.304	0.244	£20.25	£14.28
SH1.25-46	46	60.38	62.88	30	10	0.316	0.256	£20.35	£14.45
SH1.25-47	47	61.69	64.19	30	10	0.327	0.267	£20.44	£14.52
SH1.25-48	48	63.00	65.50	30	10	0.339	0.279	£20.49	£14.66
SH1.25-49	49	64.31	66.81	30	10	0.351	0.291	£20.97	£15.05
SH1.25-50	50	65.63	68.13	30	10	0.364	0.303	£21.18	£15.35
SH1.25-51	51	66.94	69.44	30	10	0.376	0.316	£21.32	£15.63
SH1.25-52	52	68.25	70.75	30	10	0.389	0.329	£21.57	£15.94
SH1.25-53	53	69.56	72.06	30	10	0.402	0.342	£21.72	£16.22
SH1.25-54	54	70.88	73.38	30	10	0.415	0.355	£21.89	£16.50
SH1.25-55	55	72.19	74.69	30	10	0.429	0.369	£22.06	£16.81
SH1.25-56	56	73.50	76.00	30	10	0.442	0.382	£22.03	£17.05
SH1.25-57	57	74.81	77.31	30	10	0.457	0.396	£24.08	£17.31
SH1.25-58	58	76.13	78.63	30	10	0.471	0.411	£24.40	£17.60
SH1.25-59	59	77.44	79.94	30	10	0.485	0.425	£24.93	£17.86
SH1.25-60	60	78.75	81.25	30	10	0.500	0.440	£25.52	£18.12
SH1.25-61	61	80.06	82.56	30	10	0.515	0.455	£25.73	£18.41
SH1.25-62	62	81.38	83.88	30	10	0.531	0.470	£26.09	£18.76
SH1.25-63	63	82.69	85.19	30	10	0.546	0.486	£26.36	£19.03
SH1.25-64	64	84.00	86.50	30	10	0.562	0.502	£26.68	£19.33
SH1.25-65	65	85.31	87.81	30	10	0.578	0.518	£27.05	£19.65
SH1.25-66	66	86.36	89.13	30	10	0.591	0.531	£27.38	£20.25
SH1.25-68	68	89.25	91.75	30	10	0.627	0.567	£28.04	£20.76
SH1.25-70	70	91.88	94.38	30	10	0.662	0.602	£28.53	£21.27
SH1.25-72	72	94.50	97.00	30	10	0.697	0.637	£28.72	£21.72
SH1.25-73	73	95.81	98.31	30	10	0.715	0.655	£28.83	£22.13
SH1.25-74	74	97.13	99.63	30	10	0.733	0.673	£28.99	£22.54
SH1.25-76	76	99.75	102.25	30	10	0.770	0.710	£29.47	£22.96
SH1.25-78	78	102.38	104.88	30	10	0.809	0.749	£30.52	£23.39
SH1.25-80	80	105.00	107.50	30	10	0.848	0.788	£32.56	£26.11
SH1.25-84	84	110.25	112.75	30	10	0.930	0.869	£32.85	£26.87
SH1.25-88	88	115.50	118.00	30	10	1.015	0.955	£36.08	£29.97
SH1.25-90	90	118.13	120.63	40	12	1.059	0.999	£36.40	£30.14
SH1.25-96	96	126.00	128.50	40	12	1.198	1.138	£41.86	£31.84
SH1.25-100	100	131.25	133.75	40	12	1.295	1.235	£42.56	£32.49
SH1.25-112	112	147.00	149.50	50	15	1.611	1.551	£47.09	£39.21
SH1.25-120	120	157.50	160.00	50	15	1.842	1.782	£50.39	£41.97
SH1.25-130	130	170.63	173.13	50	15	2.153	2.093	£56.18	£46.83
SH1.25-140	140	183.75	186.25	50	15	2.488	2.428	£60.68	£50.59

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)

1.25 MOD

17°45' H.A.
20° P.A.

SPECIAL TEETH : between 9 - 120

SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 1.50



RH 17°45'

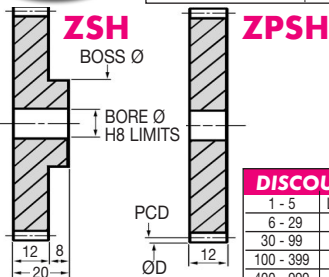


LH 17°45'

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	Discount
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
ZSH1.25-9	9	13.13	15.63	15	5	0.013	0.011	£5.51	£4.21
ZSH1.25-10	10	13.13	15.63	15	5	0.013	0.011	£5.52	£4.22
ZSH1.25-11	11	14.14	16.94	15	5	0.015	0.013	£5.57	£4.23
ZSH1.25-12	12	15.75	18.25	15	5	0.019	0.016	£5.57	£4.24
ZSH1.25-13	13	17.06	19.56	15	5	0.022	0.019	£5.89	£4.47
ZSH1.25-14	14	18.38	20.88	15	5	0.027	0.023	£5.97	£4.53
ZSH1.25-15	15	19.69	22.19	15	5	0.031	0.018	£6.07	£4.69
ZSH1.25-16	16	21.00	23.50	16	6	0.034	0.029	£6.26	£4.79
ZSH1.25-17	17	22.31	24.81	16	6	0.039	0.033	£6.43	£4.91
ZSH1.25-18	18	23.63	26.13	16	6	0.045	0.038	£6.63	£5.10
ZSH1.25-19	19	24.94	27.44	16	6	0.050	0.042	£6.86	£5.22
ZSH1.25-20	20	26.25	28.75	16	6	0.056	0.047	£6.95	£5.30
ZSH1.25-21	21	27.56	30.06	18	6	0.062	0.052	£7.77	£5.95
ZSH1.25-22	22	28.88	31.38	18	6	0.069	0.058	£7.80	£5.97
ZSH1.25-23	23	30.19	32.69	18	6	0.075	0.063	£7.98	£6.07
ZSH1.25-24	24	31.50	34.00	18	6	0.082	0.069	£8.10	£6.20
ZSH1.25-25	25	32.81	35.31	18	6	0.090	0.075	£8.20	£6.28
ZSH1.25-26	26	34.13	36.63	18	6	0.097	0.081	£8.34	£6.36
ZSH1.25-27	27	35.44	37.94	18	6	0.105	0.088	£8.53	£6.55
ZSH1.25-28	28	36.75	39.25	18	6	0.114	0.095	£8.89	£6.84
ZSH1.25-29	29	38.06	40.56	18	6	0.122	0.102	£9.17	£6.97
ZSH1.25-30	30	39.38	41.88	18	6	0.123	0.109	£9.44	£7.22
ZSH1.25-31	31	40.69	43.19	18	6	0.131	0.117	£10.97	£8.42

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Helical Gears Parallel Axis Plastic MOD 1.25

PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH1.25-32	32	42.00	44.50	18	6	0.138	0.125	£11.19	£8.49
ZSH1.25-33	33	43.31	45.81	18	6	0.147	0.133	£11.38	£8.74
ZSH1.25-34	34	44.63	47.13	18	6	0.155	0.141	£11.57	£8.87
ZSH1.25-35	35	45.94	48.44	18	6	0.163	0.150	£11.82	£9.07
ZSH1.25-36	36	47.25	49.75	18	6	0.172	0.158	£11.96	£9.17
ZSH1.25-37	37	48.56	51.06	18	6	0.181	0.167	£14.49	£11.12
ZSH1.25-38	38	49.88	52.38	18	6	0.191	0.177	£14.66	£11.26
ZSH1.25-39	39	51.19	53.69	22	8	0.205	0.184	£14.85	£11.35
ZSH1.25-40	40	52.50	55.00	22	8	0.214	0.194	£14.99	£11.52
ZSH1.25-41	41	53.81	56.31	22	8	0.224	0.204	£15.05	£11.54
ZSH1.25-42	42	55.13	57.63	22	8	0.235	0.215	£15.11	£11.57
ZSH1.25-43	43	56.44	58.94	22	8	0.245	0.225	£15.14	£11.73
ZSH1.25-44	44	57.75	60.25	22	8	0.256	0.236	£17.25	£13.27
ZSH1.25-45	45	59.06	61.56	22	8	0.267	0.247	£17.36	£13.31
ZSH1.25-46	46	60.38	62.88	22	8	0.279	0.258	£17.46	£13.36
ZSH1.25-47	47	61.69	64.19	22	8	0.290	0.270	£17.52	£13.45
ZSH1.25-48	48	63.00	65.50	22	8	0.302	0.282	£17.55	£13.48
ZSH1.25-49	49	64.31	66.81	22	8	0.314	0.294	£18.00	£13.77
ZSH1.25-50	50	65.63	68.13	22	8	0.326	0.306	£18.13	£13.89
ZSH1.25-51	51	66.94	69.44	22	8	0.339	0.319	£18.32	£14.02
ZSH1.25-52	52	68.25	70.75	22	8	0.352	0.331	£18.49	£14.16
ZSH1.25-53	53	69.56	72.06	26	10	0.369	0.342	£18.64	£14.25
ZSH1.25-54	54	70.88	73.38	26	10	0.383	0.355	£18.79	£14.37
ZSH1.25-55	55	72.19	74.69	26	10	0.396	0.369	£18.91	£14.49
ZSH1.25-56	56	73.50	76.00	26	10	0.410	0.382	£20.89	£16.00
ZSH1.25-57	57	74.81	77.31	26	10	0.424	0.396	£21.84	£16.74
ZSH1.25-58	58	76.13	78.63	26	10	0.438	0.411	£22.16	£16.98
ZSH1.25-59	59	77.44	79.94	26	10	0.453	0.425	£22.62	£17.36
ZSH1.25-60	60	78.75	81.25	26	10	0.468	0.440	£23.15	£17.77
ZSH1.25-61	61	80.06	82.56	26	10	0.483	0.455	£23.35	£17.87
ZSH1.25-62	62	81.38	83.88	26	10	0.498	0.470	£23.69	£18.15
ZSH1.25-63	63	82.69	85.19	26	10	0.514	0.486	£23.93	£18.34
ZSH1.25-64	64	84.00	86.50	26	10	0.529	0.502	£24.20	£18.59
ZSH1.25-65	65	85.31	87.81	26	10	0.545	0.518	£24.57	£18.83
ZSH1.25-66	66	86.36	89.13	26	10	0.558	0.531	£24.86	£19.05
ZSH1.25-68	68	89.25	91.75	26	10	0.595	0.567	£28.29	£21.69
ZSH1.25-70	70	91.88	94.38	26	10	0.629	0.602	£28.77	£22.12
ZSH1.25-72	72	94.50	97.00	26	10	0.665	0.637	£28.97	£22.23
ZSH1.25-73	73	95.81	98.31	26	10	0.683	0.655	£29.12	£22.31
ZSH1.25-74	74	97.13	99.63	26	10	0.701	0.673	£29.25	£22.41
ZSH1.25-76	76	99.75	102.25	30	10	0.749	0.710	£32.70	£25.14
ZSH1.25-78	78	102.38	104.88	30	10	0.787	0.749	£33.88	£26.04
ZSH1.25-80	80	105.00	107.50	30	10	0.826	0.788	£36.13	£27.70
ZSH1.25-84	84	110.25	112.75	30	10	0.908	0.869	£36.46	£27.96
ZSH1.25-88	88	115.50	118.00	30	10	0.993	0.955	£40.06	£30.73
ZSH1.25-90	90	118.13	120.63	30	12	1.038	0.999	£44.07	£33.84
ZSH1.25-96	96	126.00	128.50	30	12	1.176	1.138	£50.33	£40.08
ZSH1.25-100	100	131.25	133.75	30	12	1.274	1.235	£57.77	£47.54
ZSH1.25-112	112	147.00	149.50	40	15	1.590	1.551	£67.41	£48.71
ZSH1.25-120	120	157.50	160.00	40	15	1.820	1.782	£79.41	£69.16

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