

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

1.25 MOD 17°45'H.A. ALTERNATIVE : Brass, Tufnol or Delrin

SPECIAL TEETH : between 9 - 140

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



RH 17°45'

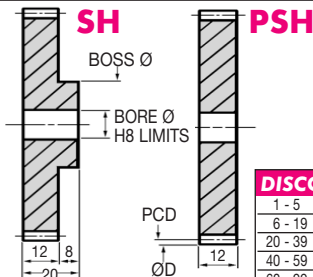


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

	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	£11.63	£9.89
SH1.25-10	10	13.13	15.63	12	6	0.018	0.010	£11.67	£9.90
SH1.25-11	11	14.44	16.94	12	6	0.020	0.012	£11.68	£9.91
SH1.25-12	12	15.75	18.25	12	6	0.024	0.015	£11.69	£9.93
SH1.25-13	13	17.06	19.56	12	6	0.027	0.018	£12.25	£10.78
SH1.25-14	14	18.38	20.88	12	6	0.030	0.022	£12.51	£11.06
SH1.25-15	15	19.69	22.19	12	6	0.026	0.017	£12.74	£11.36
SH1.25-16	16	21.00	23.50	15	8	0.040	0.027	£13.12	£11.82
SH1.25-17	17	22.31	24.81	15	8	0.044	0.031	£13.46	£12.06
SH1.25-18	18	23.63	26.13	15	8	0.049	0.036	£13.82	£12.25
SH1.25-19	19	24.94	27.44	15	8	0.053	0.040	£14.35	£12.42
SH1.25-20	20	26.25	28.75	15	8	0.058	0.045	£14.58	£12.52
SH1.25-21	21	27.56	30.06	15	8	0.063	0.050	£14.75	£12.58
SH1.25-22	22	28.88	31.38	15	8	0.069	0.056	£14.86	£12.64
SH1.25-23	23	30.19	32.69	15	8	0.074	0.061	£15.12	£12.71
SH1.25-24	24	31.50	34.00	15	8	0.080	0.067	£15.36	£12.74
SH1.25-25	25	32.81	35.31	15	8	0.086	0.073	£15.65	£12.94
SH1.25-26	26	34.13	36.63	15	8	0.093	0.079	£15.87	£13.12
SH1.25-27	27	35.44	37.94	15	8	0.099	0.086	£16.23	£13.24
SH1.25-28	28	36.75	39.25	15	8	0.106	0.093	£16.94	£13.40
SH1.25-29	29	38.06	40.56	15	8	0.113	0.100	£17.37	£13.46
SH1.25-30	30	39.38	41.88	25	8	0.149	0.107	£17.90	£13.57
SH1.25-31	31	40.69	43.19	25	8	0.157	0.115	£18.31	£13.67

Helical Gears Parallel Axis Steel MOD 1.25



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	£18.68	£13.71
SH1.25-33	33	43.31	45.81	25	8	0.173	0.131	£19.03	£13.77
SH1.25-34	34	44.63	47.13	25	8	0.181	0.139	£19.30	£13.82
SH1.25-35	35	45.94	48.44	25	8	0.190	0.148	£19.72	£13.89
SH1.25-36	36	47.25	49.75	25	8	0.198	0.156	£19.97	£14.05
SH1.25-37	37	48.56	51.06	25	8	0.187	0.145	£20.19	£14.06
SH1.25-38	38	49.88	52.38	25	8	0.217	0.175	£20.35	£14.19
SH1.25-39	39	51.19	53.69	25	8	0.226	0.184	£20.57	£14.25
SH1.25-40	40	52.50	55.00	30	10	0.252	0.192	£20.83	£14.28
SH1.25-41	41	53.81	56.31	30	10	0.262	0.202	£20.91	£14.54
SH1.25-42	42	55.13	57.63	30	10	0.272	0.212	£20.98	£14.64
SH1.25-43	43	56.44	58.94	30	10	0.283	0.223	£21.04	£14.72
SH1.25-44	44	57.75	60.25	30	10	0.293	0.233	£21.13	£14.86
SH1.25-45	45	59.06	61.56	30	10	0.304	0.244	£21.26	£14.99
SH1.25-46	46	60.38	62.88	30	10	0.316	0.256	£21.37	£15.17
SH1.25-47	47	61.69	64.19	30	10	0.327	0.267	£21.46	£15.25
SH1.25-48	48	63.00	65.50	30	10	0.339	0.279	£21.51	£15.39
SH1.25-49	49	64.31	66.81	30	10	0.351	0.291	£22.02	£15.80
SH1.25-50	50	65.63	68.13	30	10	0.364	0.303	£22.24	£16.12
SH1.25-51	51	66.94	69.44	30	10	0.376	0.316	£22.39	£16.41
SH1.25-52	52	68.25	70.75	30	10	0.389	0.329	£22.65	£16.74
SH1.25-53	53	69.56	72.06	30	10	0.402	0.342	£22.81	£17.03
SH1.25-54	54	70.88	73.38	30	10	0.415	0.355	£22.98	£17.32
SH1.25-55	55	72.19	74.69	30	10	0.429	0.369	£23.16	£17.65
SH1.25-56	56	73.50	76.00	30	10	0.442	0.382	£24.18	£17.90
SH1.25-57	57	74.81	77.31	30	10	0.457	0.396	£25.28	£18.18
SH1.25-58	58	76.13	78.63	30	10	0.471	0.411	£25.62	£18.48
SH1.25-59	59	77.44	79.94	30	10	0.485	0.425	£26.18	£18.75
SH1.25-60	60	78.75	81.25	30	10	0.500	0.440	£26.80	£19.03
SH1.25-61	61	80.06	82.56	30	10	0.515	0.455	£27.02	£19.33
SH1.25-62	62	81.38	83.88	30	10	0.531	0.470	£27.39	£19.70
SH1.25-63	63	82.69	85.19	30	10	0.546	0.486	£27.68	£19.98
SH1.25-64	64	84.00	86.50	30	10	0.562	0.502	£28.01	£20.30
SH1.25-65	65	85.31	87.81	30	10	0.578	0.518	£28.40	£20.63
SH1.25-66	66	86.36	89.13	30	10	0.591	0.531	£28.75	£21.26
SH1.25-68	68	89.25	91.75	30	10	0.627	0.567	£29.44	£21.80
SH1.25-70	70	91.88	94.38	30	10	0.662	0.602	£29.96	£22.33
SH1.25-72	72	94.50	97.00	30	10	0.697	0.637	£30.16	£22.81
SH1.25-73	73	95.81	98.31	30	10	0.715	0.655	£30.27	£23.24
SH1.25-74	74	97.13	99.63	30	10	0.733	0.673	£30.44	£23.67
SH1.25-76	76	99.75	102.25	30	10	0.770	0.710	£30.94	£24.11
SH1.25-78	78	102.38	104.88	30	10	0.809	0.749	£32.05	£24.56
SH1.25-80	80	105.00	107.50	30	10	0.848	0.788	£34.19	£27.42
SH1.25-84	84	110.25	112.75	30	10	0.930	0.869	£34.49	£28.21
SH1.25-88	88	115.50	118.00	30	10	1.015	0.955	£37.88	£31.47
SH1.25-90	90	118.13	120.63	40	12	1.059	0.999	£38.22	£31.65
SH1.25-96	96	126.00	128.50	40	12	1.198	1.138	£43.95	£33.43
SH1.25-100	100	131.25	133.75	40	12	1.295	1.235	£44.69	£34.11
SH1.25-112	112	147.00	149.50	50	15	1.611	1.551	£49.44	£41.17
SH1.25-120	120	157.50	160.00	50	15	1.842	1.782	£52.91	£44.07
SH1.25-130	130	170.63	173.13	50	15	2.153	2.093	£58.99	£49.17
SH1.25-140	140	183.75	186.25	50	15	2.488	2.428	£63.71	£53.12

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'

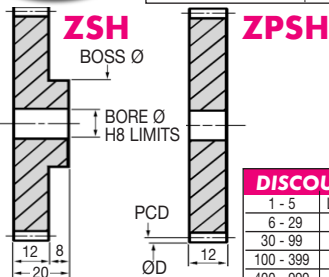


LH 17°45'

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	
ZSH1.25-9	9	13.13	15.63	15	5	0.013	0.011	£5.79	£4.42
ZSH1.25-10	10	13.13	15.63	15	5	0.013	0.011	£5.80	£4.43
ZSH1.25-11	11	14.14	16.94	15	5	0.015	0.013	£5.85	£4.44
ZSH1.25-12	12	15.75	18.25	15	5	0.019	0.016	£5.85	£4.45
ZSH1.25-13	13	17.06	19.56	15	5	0.022	0.019	£6.18	£4.69
ZSH1.25-14	14	18.38	20.88	15	5	0.027	0.023	£6.27	£4.76
ZSH1.25-15	15	19.69	22.19	15	5	0.031	0.018	£6.37	£4.92
ZSH1.25-16	16	21.00	23.50	16	6	0.034	0.029	£6.57	£5.03
ZSH1.25-17	17	22.31	24.81	16	6	0.039	0.033	£6.75	£5.16
ZSH1.25-18	18	23.63	26.13	16	6	0.045	0.038	£6.96	£5.35
ZSH1.25-19	19	24.94	27.44	16	6	0.050	0.042	£7.20	£5.48
ZSH1.25-20	20	26.25	28.75	16	6	0.056	0.047	£7.30	£5.57
ZSH1.25-21	21	27.56	30.06	18	6	0.062	0.052	£8.16	£6.25
ZSH1.25-22	22	28.88	31.38	18	6	0.069	0.058	£8.19	£6.27
ZSH1.25-23	23	30.19	32.69	18	6	0.075	0.063	£8.38	£6.37
ZSH1.25-24	24	31.50	34.00	18	6	0.082	0.069	£8.51	£6.51
ZSH1.25-25	25	32.81	35.31	18	6	0.090	0.075	£8.61	£6.59
ZSH1.25-26	26	34.13	36.63	18	6	0.097	0.081	£8.76	£6.68
ZSH1.25-27	27	35.44	37.94	18	6	0.105	0.088	£8.96	£6.88
ZSH1.25-28	28	36.75	39.25	18	6	0.114	0.095	£9.33	£7.18
ZSH1.25-29	29	38.06	40.56	18	6	0.122	0.102	£9.63	£7.32
ZSH1.25-30	30	39.38	41.88	18	6	0.123	0.109	£9.91	£7.58
ZSH1.25-31	31	40.69	43.19	18	6	0.131	0.117	£11.52	£8.84

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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	£11.75	£8.91
ZSH1.25-33	33	43.31	45.81	18	6	0.147	0.133	£11.95	£9.18
ZSH1.25-34	34	44.63	47.13	18	6	0.155	0.141	£12.15	£9.31
ZSH1.25-35	35	45.94	48.44	18	6	0.163	0.150	£12.41	£9.52
ZSH1.25-36	36	47.25	49.75	18	6	0.172	0.158	£12.56	£9.63
ZSH1.25-37	37	48.56	51.06	18	6	0.181	0.167	£15.21	£11.68
ZSH1.25-38	38	49.88	52.38	18	6	0.191	0.177	£15.39	£11.82
ZSH1.25-39	39	51.19	53.69	22	8	0.205	0.184	£15.59	£11.92
ZSH1.25-40	40	52.50	55.00	22	8	0.214	0.194	£15.74	£12.10
ZSH1.25-41	41	53.81	56.31	22	8	0.224	0.204	£15.80	£12.12
ZSH1.25-42	42	55.13	57.63	22	8	0.235	0.215	£15.87	£12.15
ZSH1.25-43	43	56.44	58.94	22	8	0.245	0.225	£15.90	£12.32
ZSH1.25-44	44	57.75	60.25	22	8	0.256	0.236	£18.11	£13.93
ZSH1.25-45	45	59.06	61.56	22	8	0.267	0.247	£18.23	£13.98
ZSH1.25-46	46	60.38	62.88	22	8	0.279	0.258	£18.33	£14.03
ZSH1.25-47	47	61.69	64.19	22	8	0.290	0.270	£18.40	£14.12
ZSH1.25-48	48	63.00	65.50	22	8	0.302	0.282	£18.43	£14.15
ZSH1.25-49	49	64.31	66.81	22	8	0.314	0.294	£18.90	£14.46
ZSH1.25-50	50	65.63	68.13	22	8	0.326	0.306	£19.04	£14.58
ZSH1.25-51	51	66.94	69.44	22	8	0.339	0.319	£19.24	£14.72
ZSH1.25-52	52	68.25	70.75	22	8	0.352	0.331	£19.41	£14.87
ZSH1.25-53	53	69.56	72.06	26	10	0.369	0.342	£19.57	£14.96
ZSH1.25-54	54	70.88	73.38	26	10	0.383	0.355	£19.73	£15.09
ZSH1.25-55	55	72.19	74.69	26	10	0.396	0.369	£19.86	£15.21
ZSH1.25-56	56	73.50	76.00	26	10	0.410	0.382	£21.93	£16.80
ZSH1.25-57	57	74.81	77.31	26	10	0.424	0.396	£22.93	£17.58
ZSH1.25-58	58	76.13	78.63	26	10	0.438	0.411	£23.27	£17.83
ZSH1.25-59	59	77.44	79.94	26	10	0.453	0.425	£23.75	£18.23
ZSH1.25-60	60	78.75	81.25	26	10	0.468	0.440	£24.31	£18.66
ZSH1.25-61	61	80.06	82.56	26	10	0.483	0.455	£24.52	£18.76
ZSH1.25-62	62	81.38	83.88	26	10	0.498	0.470	£24.87	£19.06
ZSH1.25-63	63	82.69	85.19	26	10	0.514	0.486	£25.13	£19.26
ZSH1.25-64	64	84.00	86.50	26	10	0.529	0.502	£25.41	£19.52
ZSH1.25-65	65	85.31	87.81	26	10	0.545	0.518	£25.80	£19.77
ZSH1.25-66	66	86.36	89.13	26	10	0.558	0.531	£26.10	£20.00
ZSH1.25-68	68	89.25	91.75	26	10	0.595	0.567	£29.70	£22.77
ZSH1.25-70	70	91.88	94.38	26	10	0.629	0.602	£30.21	£23.23
ZSH1.25-72	72	94.50	97.00	26	10	0.665	0.637	£30.42	£23.34
ZSH1.25-73	73	95.81	98.31	26	10	0.683	0.655	£30.58	£23.43
ZSH1.25-74	74	97.13	99.63	26	10	0.701	0.673	£30.71	£23.53
ZSH1.25-76	76	99.75	102.25	30	10	0.749	0.710	£34.34	£26.40
ZSH1.25-78	78	102.38	104.88	30	10	0.787	0.749	£35.57	£27.34
ZSH1.25-80	80	105.00	107.50	30	10	0.826	0.788	£37.94	£29.09
ZSH1.25-84	84	110.25	112.75	30	10	0.908	0.869	£38.28	£29.36
ZSH1.25-88	88	115.50	118.00	30	10	0.993	0.955	£42.06	£32.27
ZSH1.25-90	90	118.13	120.63	30	12	1.038	0.999	£46.27	£35.53
ZSH1.25-96	96	126.00	128.50	30	12	1.176	1.138	£52.85	£42.08
ZSH1.25-100	100	131.25	133.75	30	12	1.274	1.235	£60.66	£49.92
ZSH1.25-112	112	147.00	149.50	40	15	1.590	1.551	£70.78	£51.15
ZSH1.25-120	120	157.50	160.00	40	15	1.820	1.782	£83.38	£72.62

Helical Gears Parallel Axis Plastic MOD 1.25

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

