

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

1 MOD

17°45'H.A.

20° P.A.

ALTERNATIVE : Brass, Tufnol or Delrin

SPECIAL TEETH : between 9 - 150

TORQUE CHECK 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	TORQUE Nm.	4.23	16.74	2.12	1.51
	K.W.	0.44	1.75	0.22	0.15



RH 17°45'

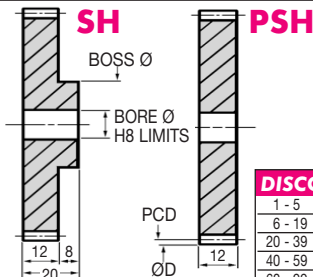


LH 17°45'

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
SH1-9	9	10.50	12.50	12	6	0.011	0.005	£9.03	£8.43
SH1-10	10	10.50	12.50	12	6	0.011	0.005	£9.04	£8.44
SH1-11	11	11.55	13.55	12	6	0.012	0.007	£9.06	£8.45
SH1-12	12	12.60	14.60	12	6	0.014	0.009	£9.07	£8.46
SH1-13	13	13.65	15.65	12	6	0.016	0.011	£9.19	£8.69
SH1-14	14	14.70	16.70	12	6	0.018	0.013	£9.33	£8.85
SH1-15	15	15.75	17.75	12	6	0.020	0.015	£9.58	£9.12
SH1-16	16	16.80	18.80	15	8	0.023	0.016	£9.73	£9.28
SH1-17	17	17.85	19.85	15	8	0.026	0.018	£9.89	£9.51
SH1-18	18	18.90	20.90	15	8	0.029	0.021	£10.07	£9.73
SH1-19	19	19.95	21.95	15	8	0.032	0.024	£10.28	£9.90
SH1-20	20	21.00	23.00	15	8	0.035	0.027	£10.57	£10.10
SH1-21	21	22.05	24.05	15	8	0.038	0.030	£10.66	£10.32
SH1-22	22	23.10	25.10	15	8	0.042	0.034	£10.78	£10.49
SH1-23	23	24.15	26.15	15	8	0.045	0.037	£10.84	£10.66
SH1-24	24	25.20	27.20	15	8	0.049	0.041	£10.90	£10.89
SH1-25	25	26.25	28.25	15	8	0.053	0.045	£11.34	£11.06
SH1-26	26	27.30	29.30	15	8	0.057	0.049	£11.81	£11.27
SH1-27	27	28.35	30.35	15	8	0.061	0.053	£12.00	£11.45
SH1-28	28	29.40	31.40	15	8	0.065	0.058	£12.27	£11.68
SH1-29	29	30.45	32.45	15	8	0.070	0.062	£12.58	£11.85
SH1-30	30	31.50	33.50	20	8	0.083	0.067	£12.82	£12.06
SH1-31	31	32.55	34.55	20	8	0.088	0.072	£13.01	£12.17

Helical Gears Parallel Axis Steel MOD 1

600



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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
SH1-32	32	33.60	35.50	20	8	0.093	0.077	£13.12	£12.27
SH1-33	33	34.65	36.65	20	8	0.098	0.082	£13.27	£12.42
SH1-34	34	35.70	37.70	20	8	0.103	0.087	£13.44	£12.52
SH1-35	35	36.75	38.75	20	8	0.109	0.093	£13.57	£12.71
SH1-36	36	37.80	39.80	20	8	0.115	0.098	£13.73	£12.82
SH1-37	37	38.85	40.85	20	8	0.120	0.104	£13.89	£12.94
SH1-38	38	39.90	41.90	20	8	0.126	0.110	£14.15	£13.05
SH1-39	39	40.95	42.95	20	8	0.132	0.116	£14.37	£13.16
SH1-40	40	42.00	44.00	20	8	0.139	0.123	£14.67	£13.39
SH1-41	41	43.05	45.05	20	8	0.145	0.129	£14.70	£13.46
SH1-42	42	44.10	46.10	20	8	0.152	0.136	£14.75	£13.57
SH1-43	43	45.15	47.15	20	8	0.159	0.142	£14.79	£13.71
SH1-44	44	46.20	48.20	20	8	0.165	0.149	£14.86	£13.82
SH1-45	45	47.25	49.25	20	8	0.173	0.156	£14.95	£13.99
SH1-46	46	48.30	50.30	20	8	0.180	0.164	£14.99	£14.13
SH1-47	47	49.35	51.35	20	8	0.187	0.171	£15.08	£14.24
SH1-48	48	50.40	52.40	30	8	0.219	0.179	£15.12	£14.35
SH1-49	49	51.45	53.45	30	8	0.226	0.186	£15.88	£14.54
SH1-50	50	52.50	54.50	30	10	0.230	0.192	£16.65	£14.67
SH1-51	51	53.55	55.55	30	10	0.238	0.200	£16.92	£14.76
SH1-52	52	54.60	56.60	30	10	0.246	0.208	£17.16	£14.98
SH1-53	53	55.65	57.65	30	10	0.255	0.216	£17.37	£15.17
SH1-54	54	56.70	58.70	30	10	0.263	0.225	£17.58	£15.36
SH1-55	55	57.75	59.75	30	10	0.272	0.233	£17.87	£15.47
SH1-56	56	58.80	60.80	30	10	0.281	0.242	£17.89	£15.61
SH1-57	57	59.85	61.85	30	10	0.290	0.251	£18.13	£15.84
SH1-58	58	60.90	62.90	30	10	0.299	0.260	£18.42	£15.95
SH1-59	59	61.95	63.95	30	10	0.308	0.270	£18.64	£16.16
SH1-60	60	63.00	65.00	30	10	0.317	0.279	£18.90	£16.31
SH1-61	61	64.05	66.05	30	10	0.327	0.289	£19.13	£16.47
SH1-62	62	65.10	67.10	30	10	0.337	0.298	£19.46	£16.65
SH1-63	63	66.15	68.15	30	10	0.347	0.308	£20.01	£16.78
SH1-64	64	67.20	69.20	30	10	0.357	0.318	£20.42	£17.02
SH1-65	65	68.25	70.25	30	10	0.367	0.329	£20.88	£17.16
SH1-66	66	69.30	71.30	30	10	0.378	0.339	£21.32	£17.32
SH1-68	68	71.40	73.40	30	10	0.399	0.360	£21.89	£17.47
SH1-70	70	73.50	75.50	30	10	0.421	0.382	£22.33	£17.65
SH1-72	72	75.60	77.60	30	10	0.443	0.405	£22.82	£17.87
SH1-73	73	76.65	78.65	30	10	0.455	0.417	£23.49	£18.08
SH1-74	74	77.70	79.70	30	10	0.467	0.428	£24.06	£18.31
SH1-76	76	79.80	81.80	30	10	0.491	0.452	£24.40	£18.52
SH1-78	78	81.90	83.90	30	10	0.515	0.477	£24.80	£18.75
SH1-80	80	84.00	86.00	30	10	0.540	0.502	£25.26	£18.98
SH1-84	84	88.20	90.20	30	10	0.592	0.554	£25.62	£19.21
SH1-88	88	92.40	94.40	30	10	0.647	0.609	£26.18	£20.01
SH1-90	90	94.50	96.50	30	10	0.675	0.637	£27.00	£21.13
SH1-96	96	100.80	102.80	30	10	0.764	0.726	£29.90	£22.46
SH1-100	100	105.00	107.00	30	10	0.826	0.788	£30.28	£25.26
SH1-112	112	117.60	119.60	30	10	1.029	0.990	£34.84	£28.86
SH1-120	120	126.00	128.00	40	12	1.176	1.138	£42.90	£35.78
SH1-130	130	136.50	138.50	40	12	1.375	1.337	£46.02	£40.61
SH1-150	150	157.50	159.50	40	15	1.820	1.782	£57.08	£47.55

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 MOD

17°45' H.A.
20° P.A.

SPECIAL TEETH : between 9 - 120



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 1.00

Helical Gears Parallel Axis Plastic MOD 1



RH 17°45'

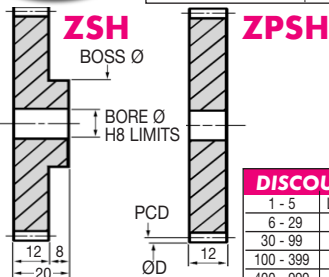


LH 17°45'

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	
ZSH1-9	9	10.50	12.50	12.50	4	0.015	0.007	£4.47	£3.43
ZSH1-10	10	10.50	12.50	12.50	4	0.015	0.007	£4.49	£3.44
ZSH1-11	11	11.55	13.55	13.55	4	0.017	0.008	£4.50	£3.48
ZSH1-12	12	12.60	14.60	14.00	4	0.019	0.010	£4.55	£3.49
ZSH1-13	13	13.65	15.65	15.00	4	0.022	0.012	£4.63	£3.53
ZSH1-14	14	14.70	16.70	15.00	4	0.024	0.014	£4.69	£3.58
ZSH1-15	15	15.75	17.75	15.00	4	0.027	0.017	£4.76	£3.65
ZSH1-16	16	16.80	18.80	15.00	6	0.027	0.018	£4.87	£3.71
ZSH1-17	17	17.85	19.85	15.00	6	0.029	0.020	£4.94	£3.78
ZSH1-18	18	18.90	20.90	15.00	6	0.032	0.023	£5.03	£3.89
ZSH1-19	19	19.95	21.95	15.00	6	0.035	0.026	£5.16	£3.92
ZSH1-20	20	21.00	23.00	15.00	6	0.038	0.029	£5.27	£4.03
ZSH1-21	21	22.05	24.05	18.00	6	0.046	0.032	£5.35	£4.08
ZSH1-22	22	23.10	25.10	18.00	6	0.050	0.036	£5.38	£4.13
ZSH1-23	23	24.15	26.15	18.00	6	0.053	0.039	£5.43	£4.15
ZSH1-24	24	25.20	27.20	18.00	6	0.057	0.043	£5.45	£4.15
ZSH1-25	25	26.25	28.25	18.00	6	0.061	0.047	£5.68	£4.34
ZSH1-26	26	27.30	29.30	18.00	6	0.065	0.051	£6.51	£4.97
ZSH1-27	27	28.35	30.35	18.00	6	0.069	0.055	£6.65	£5.06
ZSH1-28	28	29.40	31.40	18.00	6	0.074	0.060	£6.80	£5.23
ZSH1-29	29	30.45	32.45	18.00	6	0.078	0.064	£6.96	£5.35
ZSH1-30	30	31.50	33.50	18.00	6	0.083	0.069	£7.10	£5.43
ZSH1-31	31	32.55	34.55	18.00	6	0.088	0.074	£7.18	£5.48



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH1-32	32	33.60	35.50	18	6	0.093	0.079	£7.26	£5.52
ZSH1-33	33	34.65	36.65	18	6	0.098	0.084	£7.32	£5.66
ZSH1-34	34	35.70	37.70	18	6	0.103	0.089	£7.42	£5.68
ZSH1-35	35	36.75	38.75	18	6	0.109	0.095	£7.51	£5.73
ZSH1-36	36	37.80	39.80	18	6	0.114	0.100	£7.58	£5.75
ZSH1-37	37	38.85	40.85	18	6	0.120	0.106	£7.69	£5.91
ZSH1-38	38	39.90	41.90	18	6	0.126	0.112	£8.88	£6.83
ZSH1-39	39	40.95	42.95	18	6	0.132	0.118	£9.04	£6.90
ZSH1-40	40	42.00	44.00	18	6	0.138	0.125	£9.21	£7.05
ZSH1-41	41	43.05	45.05	18	6	0.145	0.131	£9.23	£7.07
ZSH1-42	42	44.10	46.10	18	6	0.152	0.138	£9.28	£7.10
ZSH1-43	43	45.15	47.15	18	6	0.158	0.144	£9.31	£7.13
ZSH1-44	44	46.20	48.20	18	6	0.165	0.151	£9.33	£7.18
ZSH1-45	45	47.25	49.25	18	6	0.172	0.158	£9.43	£7.19
ZSH1-46	46	48.30	50.30	18	6	0.179	0.166	£9.45	£7.20
ZSH1-47	47	49.35	51.35	22	8	0.191	0.171	£9.47	£7.26
ZSH1-48	48	50.40	52.40	22	8	0.199	0.179	£9.49	£7.30
ZSH1-49	49	51.45	53.45	22	8	0.206	0.186	£9.99	£7.61
ZSH1-50	50	52.50	54.50	22	8	0.214	0.194	£10.49	£8.03
ZSH1-51	51	53.55	55.55	22	8	0.222	0.202	£10.63	£8.16
ZSH1-52	52	54.60	56.60	22	8	0.231	0.210	£10.77	£8.21
ZSH1-53	53	55.65	57.65	22	8	0.239	0.219	£10.89	£8.38
ZSH1-54	54	56.70	58.70	22	8	0.247	0.227	£11.07	£8.44
ZSH1-55	55	57.75	59.75	22	8	0.256	0.236	£11.26	£8.60
ZSH1-56	56	58.80	60.80	22	8	0.265	0.245	£11.27	£8.61
ZSH1-57	57	59.85	61.85	22	8	0.274	0.254	£13.72	£10.52
ZSH1-58	58	60.90	62.90	22	8	0.283	0.263	£13.93	£10.63
ZSH1-59	59	61.95	63.95	22	8	0.292	0.272	£14.06	£10.77
ZSH1-60	60	63.00	65.00	22	8	0.302	0.282	£14.28	£10.95
ZSH1-61	61	64.05	66.05	22	8	0.311	0.291	£14.46	£11.07
ZSH1-62	62	65.10	67.10	22	8	0.321	0.301	£14.72	£11.29
ZSH1-63	63	66.15	68.15	22	8	0.331	0.311	£15.17	£11.59
ZSH1-64	64	67.20	69.20	22	8	0.341	0.321	£15.42	£11.84
ZSH1-65	65	68.25	70.25	22	8	0.352	0.331	£15.80	£12.12
ZSH1-66	66	69.30	71.30	22	8	0.362	0.342	£16.12	£12.39
ZSH1-68	68	71.40	73.40	22	8	0.383	0.363	£16.58	£12.72
ZSH1-70	70	73.50	75.50	22	8	0.405	0.385	£19.15	£13.40
ZSH1-72	72	75.60	77.60	22	8	0.428	0.408	£19.57	£13.83
ZSH1-73	73	76.65	78.65	22	8	0.439	0.419	£20.09	£15.42
ZSH1-74	74	77.70	79.70	22	8	0.451	0.431	£20.58	£15.80
ZSH1-76	76	79.80	81.80	22	8	0.475	0.455	£20.93	£16.08
ZSH1-78	78	81.90	83.90	26	8	0.509	0.479	£21.22	£16.30
ZSH1-80	80	84.00	86.00	26	8	0.534	0.504	£22.53	£17.19
ZSH1-84	84	88.20	90.20	26	8	0.586	0.556	£23.27	£17.83
ZSH1-88	88	92.40	94.40	26	8	0.641	0.611	£23.75	£18.23
ZSH1-90	90	94.50	96.50	26	8	0.669	0.639	£27.22	£20.88
ZSH1-96	96	100.80	102.80	26	10	0.758	0.728	£33.83	£27.47
ZSH1-100	100	105.00	107.00	26	10	0.820	0.791	£40.47	£34.11
ZSH1-112	112	117.60	119.60	26	10	1.022	0.993	£50.66	£44.33
ZSH1-120	120	126.00	128.00	30	12	1.170	1.140	£62.63	£56.28

Helical Gears Parallel Axis Plastic MOD 1

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

