

# Helical Gears

## Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

24 DP

17°45' H.A.

ALTERNATIVE : Brass, Tufnol or Delrin

20° P.A.

SPECIAL TEETH : between 9 - 150

TORQUE CHECK 50 teeth x 1000 rpm		214M15 303S21	214M15 Cse/HD	Brass	Tufnol
variations at back	TORQUE Nm.	5.02	19.86	2.51	1.79
	K.W.	0.529	2.081	0.261	0.186



RH 17°45'

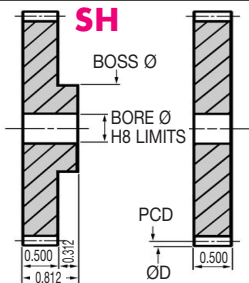


LH 17°45'

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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						SH	PSH
SH24-9	9	0.438	0.521	0.521	0.2500	£10.77	£10.21
SH24-10	10	0.438	0.521	0.521	0.2500	£10.79	£10.22
SH24-11	11	0.481	0.565	0.565	0.2500	£10.80	£10.24
SH24-12	12	0.525	0.608	0.608	0.2500	£10.81	£10.25
SH24-13	13	0.569	0.652	0.652	0.2500	£10.82	£10.28
SH24-14	14	0.613	0.696	0.500	0.2500	£11.28	£10.57
SH24-15	15	0.656	0.750	0.500	0.3125	£11.36	£10.82
SH24-16	16	0.700	0.783	0.500	0.3125	£11.85	£11.18
SH24-17	17	0.744	0.827	0.500	0.3125	£12.11	£11.47
SH24-18	18	0.788	0.871	0.625	0.3125	£12.44	£11.73
SH24-19	19	0.831	0.915	0.625	0.3125	£12.66	£12.06
SH24-20	20	0.875	0.958	0.625	0.3125	£12.84	£12.40
SH24-21	21	0.919	1.002	0.625	0.3125	£13.03	£12.44
SH24-22	22	0.963	1.046	0.625	0.3125	£13.37	£12.50
SH24-23	23	1.006	1.090	0.625	0.3125	£13.61	£12.51
SH24-24	24	1.050	1.133	0.625	0.3125	£13.92	£12.66
SH24-25	25	1.094	1.177	0.625	0.3125	£15.12	£12.77
SH24-26	26	1.138	1.221	0.625	0.3125	£15.33	£12.84
SH24-27	27	1.181	1.265	0.625	0.3125	£15.55	£13.00
SH24-28	28	1.225	1.308	0.625	0.3125	£15.77	£13.09
SH24-29	29	1.269	1.352	0.625	0.3125	£15.93	£13.19
SH24-30	30	1.313	1.396	0.750	0.3125	£16.19	£13.27
SH24-31	31	1.356	1.440	0.750	0.3125	£16.35	£13.37

Helical Gears Parallel Axis Steel DP 24

24.58



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN  
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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						SH	PSH
SH24-32	32	1.400	1.483	0.750	0.3125	£16.68	£13.46
SH24-33	33	1.444	1.527	0.750	0.3125	£16.92	£13.54
SH24-34	34	1.488	1.571	0.750	0.3125	£17.13	£13.61
SH24-35	35	1.531	1.615	0.750	0.3125	£17.28	£13.68
SH24-36	36	1.575	1.658	0.750	0.3125	£17.34	£13.75
SH24-37	37	1.619	1.702	0.750	0.3125	£17.48	£13.82
SH24-38	38	1.663	1.746	0.750	0.3125	£17.62	£13.93
SH24-39	39	1.706	1.790	0.750	0.3125	£17.76	£13.96
SH24-40	40	1.750	1.833	0.750	0.3125	£17.81	£13.99
SH24-41	41	1.794	1.877	0.750	0.3125	£17.89	£14.08
SH24-42	42	1.838	1.921	0.750	0.3125	£17.99	£14.20
SH24-43	43	1.881	1.965	0.750	0.3125	£18.13	£14.32
SH24-44	44	1.925	2.008	0.750	0.3750	£18.24	£14.44
SH24-45	45	1.969	2.052	0.750	0.3750	£18.43	£14.64
SH24-46	46	2.013	2.096	0.750	0.3750	£19.13	£14.77
SH24-47	47	2.056	2.140	0.750	0.3750	£19.16	£15.07
SH24-48	48	2.100	2.183	0.750	0.3750	£19.62	£15.23
SH24-49	49	2.144	2.227	0.750	0.3750	£20.42	£15.41
SH24-50	50	2.188	2.271	0.750	0.3750	£21.25	£15.65
SH24-51	51	2.231	2.315	0.750	0.3750	£21.37	£15.90
SH24-52	52	2.275	2.358	0.750	0.3750	£21.59	£16.19
SH24-53	53	2.319	2.402	0.750	0.3750	£21.77	£16.44
SH24-54	54	2.363	2.446	0.750	0.3750	£22.01	£16.72
SH24-55	55	2.406	2.490	0.750	0.3750	£22.26	£16.94
SH24-56	56	2.450	2.533	0.750	0.3750	£22.78	£17.18
SH24-57	57	2.494	2.577	0.750	0.3750	£23.25	£17.38
SH24-58	58	2.538	2.621	0.750	0.3750	£23.67	£17.67
SH24-59	59	2.581	2.665	0.750	0.3750	£24.07	£17.89
SH24-60	60	2.625	2.708	0.750	0.3750	£24.57	£18.17
SH24-61	61	2.669	2.752	0.750	0.3750	£25.05	£18.45
SH24-62	62	2.713	2.796	0.750	0.3750	£25.28	£18.67
SH24-63	63	2.756	2.840	0.750	0.3750	£25.52	£18.83
SH24-64	64	2.800	2.883	0.750	0.3750	£26.04	£19.04
SH24-65	65	2.844	2.927	0.750	0.3750	£26.33	£19.27
SH24-66	66	2.888	2.971	0.750	0.3750	£26.86	£19.50
SH24-68	68	2.975	3.058	0.750	0.3750	£27.31	£19.81
SH24-70	70	3.063	3.146	0.750	0.3750	£27.69	£20.09
SH24-72	72	3.150	3.233	0.750	0.3750	£27.96	£20.42
SH24-73	73	3.194	3.277	0.750	0.3750	£28.31	£20.70
SH24-74	74	3.238	3.321	0.750	0.3750	£28.69	£20.96
SH24-76	76	3.325	3.408	0.750	0.3750	£29.10	£21.38
SH24-78	78	3.413	3.496	0.750	0.3750	£29.62	£21.84
SH24-80	80	3.500	3.583	0.750	0.3750	£30.11	£22.29
SH24-84	84	3.675	3.758	0.750	0.3750	£30.99	£24.19
SH24-88	88	3.850	3.933	0.750	0.3750	£33.04	£25.18
SH24-90	90	3.938	4.021	0.750	0.3750	£34.47	£26.33
SH24-96	96	4.200	4.283	0.750	0.3750	£39.28	£28.42
SH24-100	100	4.375	4.458	0.750	0.3750	£43.49	£30.85
SH24-112	112	4.900	4.983	1.000	0.5000	£46.36	£37.08
SH24-120	120	5.250	5.333	1.000	0.5000	£49.00	£39.23
SH24-130	130	5.688	5.771	1.500	0.7500	£53.96	£43.18
SH24-150	150	6.563	6.646	1.500	0.7500	£60.54	£48.48

**Helical Gears Parallel Axis Steel DP 24**

*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

24 DP

17°45' H.A.

20° P.A.

STD : White Delrin  
(fully machined)

SPECIAL TEETH : between 9 - 120



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



RH 17°45'

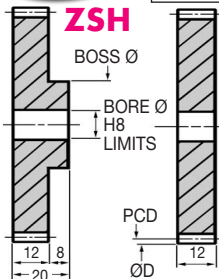


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



## DISCOUNTS

Quantity	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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH24-9	9	0.438	0.521	0.472	4	£5.33	£4.04
ZSH24-10	10	0.438	0.521	0.472	4	£5.34	£4.07
ZSH24-11	11	0.481	0.565	0.472	4	£5.36	£4.08
ZSH24-12	12	0.525	0.608	0.472	4	£5.46	£4.09
ZSH24-13	13	0.569	0.652	0.472	4	£5.46	£4.14
ZSH24-14	14	0.613	0.696	0.472	4	£5.58	£4.28
ZSH24-15	15	0.656	0.740	0.472	4	£5.73	£4.35
ZSH24-16	16	0.700	0.783	0.590	6	£5.90	£4.56
ZSH24-17	17	0.744	0.827	0.590	6	£6.06	£4.62
ZSH24-18	18	0.788	0.871	0.590	6	£6.20	£4.75
ZSH24-19	19	0.831	0.915	0.590	6	£6.32	£4.83
ZSH24-20	20	0.875	0.958	0.590	6	£6.40	£4.85
ZSH24-21	21	0.919	1.002	0.708	6	£6.50	£4.99
ZSH24-22	22	0.963	1.046	0.708	6	£6.68	£5.09
ZSH24-23	23	1.006	1.090	0.708	6	£6.77	£5.22
ZSH24-24	24	1.050	1.133	0.708	6	£6.95	£5.30
ZSH24-25	25	1.094	1.177	0.708	6	£7.63	£5.81
ZSH24-26	26	1.138	1.221	0.708	6	£7.72	£5.90
ZSH24-27	27	1.181	1.265	0.708	6	£8.59	£6.54
ZSH24-28	28	1.225	1.308	0.708	6	£8.67	£6.68
ZSH24-29	29	1.269	1.352	0.708	6	£8.81	£6.71
ZSH24-30	30	1.313	1.396	0.708	6	£8.93	£6.77
ZSH24-31	31	1.356	1.440	0.708	6	£9.04	£6.95

Helical Gears Parallel Axis Plastic DP 24

24.60



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN  
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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH24-32	32	1.400	1.483	0.708	6	£9.20	£7.02
ZSH24-33	33	1.444	1.527	0.708	6	£9.32	£7.10
ZSH24-34	34	1.488	1.571	0.708	6	£9.47	£7.27
ZSH24-35	35	1.531	1.615	0.708	6	£9.55	£7.28
ZSH24-36	36	1.575	1.658	0.708	6	£10.94	£8.35
ZSH24-37	37	1.619	1.702	0.708	6	£10.97	£8.38
ZSH24-38	38	1.663	1.746	0.708	6	£11.10	£8.47
ZSH24-39	39	1.706	1.790	0.708	6	£11.12	£8.53
ZSH24-40	40	1.750	1.833	0.708	6	£11.15	£8.54
ZSH24-41	41	1.794	1.877	0.708	6	£11.28	£8.59
ZSH24-42	42	1.838	1.921	0.708	6	£11.33	£8.62
ZSH24-43	43	1.881	1.965	0.708	6	£13.68	£10.50
ZSH24-44	44	1.925	2.008	0.708	6	£13.78	£10.54
ZSH24-45	45	1.969	2.052	0.708	6	£13.93	£10.65
ZSH24-46	46	2.013	2.096	0.708	6	£14.46	£11.10
ZSH24-47	47	2.056	2.140	0.708	6	£14.50	£11.12
ZSH24-48	48	2.100	2.183	0.708	6	£14.78	£11.34
ZSH24-49	49	2.144	2.227	0.866	8	£15.42	£11.84
ZSH24-50	50	2.188	2.271	0.866	8	£16.09	£12.32
ZSH24-51	51	2.231	2.315	0.866	8	£16.13	£12.39
ZSH24-52	52	2.275	2.358	0.866	8	£16.29	£12.44
ZSH24-53	53	2.319	2.402	0.866	8	£18.66	£14.31
ZSH24-54	54	2.363	2.446	0.866	8	£18.94	£14.46
ZSH24-55	55	2.406	2.490	0.866	8	£19.04	£14.64
ZSH24-56	56	2.450	2.533	0.866	8	£19.54	£14.97
ZSH24-57	57	2.494	2.577	0.866	8	£19.93	£15.23
ZSH24-58	58	2.538	2.621	0.866	8	£20.29	£15.55
ZSH24-59	59	2.581	2.665	0.866	8	£20.64	£15.86
ZSH24-60	60	2.625	2.708	0.866	8	£21.01	£16.13
ZSH24-61	61	2.669	2.752	0.866	8	£21.48	£16.44
ZSH24-62	62	2.713	2.796	0.866	8	£21.62	£16.56
ZSH24-63	63	2.756	2.840	0.866	8	£21.91	£16.77
ZSH24-64	64	2.800	2.883	0.866	8	£22.36	£17.06
ZSH24-65	65	2.844	2.927	0.866	8	£22.57	£17.28
ZSH24-66	66	2.888	2.971	0.866	8	£24.38	£18.69
ZSH24-68	68	2.975	3.058	0.866	8	£25.12	£19.25
ZSH24-70	70	3.063	3.146	0.866	8	£25.13	£19.42
ZSH24-72	72	3.150	3.233	0.866	8	£25.36	£19.59
ZSH24-73	73	3.194	3.277	0.866	8	£25.74	£19.69
ZSH24-74	74	3.238	3.321	0.866	8	£26.09	£19.95
ZSH24-76	76	3.325	3.408	0.866	8	£26.44	£20.29
ZSH24-78	78	3.413	3.496	0.866	8	£26.85	£20.57
ZSH24-80	80	3.500	3.583	0.866	8	£30.43	£23.30
ZSH24-84	84	3.675	3.758	0.866	8	£31.24	£23.92
ZSH24-88	88	3.850	3.933	0.866	8	£33.32	£25.52
ZSH24-90	90	3.938	4.021	1.023	10	£38.27	£29.32
ZSH24-96	96	4.200	4.283	1.023	10	£47.64	£38.65
ZSH24-100	100	4.375	4.458	1.574	15	£60.91	£51.97
ZSH24-112	112	4.900	4.983	1.574	15	£78.20	£69.27
ZSH24-120	120	5.250	5.333	1.574	15	£99.49	£90.51

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

