

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

40 DP

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.	1.36	5.36	0.68	0.48
	K.W.	0.1417	0.559	0.074	0.052



RH 17°45'

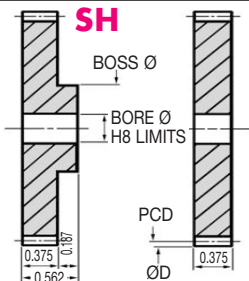


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will



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
SH40-9	9	0.263	0.313	0.313	0.187	£9.36	£7.50
SH40-10	10	0.263	0.313	0.313	0.187	£9.37	£7.51
SH40-11	11	0.289	0.339	0.339	0.187	£9.38	£7.53
SH40-12	12	0.315	0.365	0.365	0.187	£9.42	£7.54
SH40-13	13	0.341	0.391	0.391	0.187	£9.42	£7.55
SH40-14	14	0.368	0.418	0.418	0.187	£9.43	£7.57
SH40-15	15	0.394	0.444	0.444	0.187	£9.52	£7.59
SH40-16	16	0.420	0.470	0.470	0.187	£9.58	£7.65
SH40-17	17	0.446	0.496	0.500	0.187	£9.59	£7.67
SH40-18	18	0.473	0.523	0.500	0.187	£9.60	£7.68
SH40-19	19	0.499	0.549	0.500	0.187	£9.80	£7.81
SH40-20	20	0.525	0.575	0.500	0.187	£9.99	£8.02
SH40-21	21	0.551	0.601	0.500	0.187	£10.07	£8.05
SH40-22	22	0.578	0.628	0.500	0.187	£10.10	£8.06
SH40-23	23	0.604	0.654	0.500	0.187	£10.11	£8.10
SH40-24	24	0.630	0.680	0.500	0.187	£10.32	£8.26
SH40-25	25	0.656	0.706	0.500	0.187	£10.51	£8.36
SH40-26	26	0.683	0.733	0.500	0.187	£10.59	£8.43
SH40-27	27	0.709	0.759	0.500	0.187	£10.72	£8.56
SH40-28	28	0.735	0.785	0.500	0.187	£10.76	£8.64
SH40-29	29	0.761	0.811	0.500	0.187	£10.99	£8.75
SH40-30	30	0.788	0.838	0.500	0.187	£11.18	£8.89
SH40-31	31	0.814	0.864	0.500	0.187	£11.61	£9.29

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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5 SH	PSH
SH40-32	32	0.840	0.890	0.500	0.187	£11.73	£9.38
SH40-33	33	0.866	0.916	0.500	0.187	£11.91	£9.52
SH40-34	34	0.893	0.943	0.500	0.187	£12.10	£9.65
SH40-35	35	0.919	0.969	0.500	0.187	£12.19	£9.75
SH40-36	36	0.945	0.995	0.500	0.187	£12.39	£9.88
SH40-37	37	0.971	1.021	0.500	0.187	£12.51	£10.02
SH40-38	38	0.998	1.048	0.625	0.250	£12.61	£10.07
SH40-39	39	1.024	1.074	0.625	0.250	£12.85	£10.27
SH40-40	40	1.050	1.100	0.625	0.250	£12.97	£10.37
SH40-41	41	1.076	1.126	0.625	0.250	£13.11	£10.50
SH40-42	42	1.103	1.153	0.625	0.250	£13.21	£10.53
SH40-43	43	1.129	1.179	0.625	0.250	£13.30	£10.62
SH40-44	44	1.155	1.205	0.625	0.250	£13.42	£10.73
SH40-45	45	1.181	1.231	0.625	0.250	£13.56	£10.85
SH40-46	46	1.208	1.258	0.625	0.250	£13.67	£10.94
SH40-47	47	1.234	1.284	0.625	0.250	£13.72	£11.00
SH40-48	48	1.260	1.310	0.625	0.250	£13.85	£11.06
SH40-49	49	1.286	1.336	0.625	0.250	£13.89	£11.07
SH40-50	50	1.313	1.363	0.625	0.250	£13.97	£11.13
SH40-51	51	1.339	1.389	0.625	0.250	£14.05	£11.26
SH40-52	52	1.365	1.415	0.625	0.250	£14.06	£11.28
SH40-53	53	1.391	1.441	0.625	0.250	£14.15	£11.31
SH40-54	54	1.418	1.468	0.625	0.250	£14.24	£11.35
SH40-55	55	1.444	1.494	0.625	0.250	£14.28	£11.43
SH40-56	56	1.470	1.520	0.625	0.250	£14.36	£11.49
SH40-57	57	1.496	1.546	0.625	0.250	£14.45	£11.54
SH40-58	58	1.523	1.573	0.625	0.250	£14.46	£11.59
SH40-59	59	1.549	1.599	0.625	0.250	£14.48	£11.67
SH40-60	60	1.575	1.625	0.625	0.250	£14.73	£11.82
SH40-61	61	1.601	1.651	0.625	0.250	£14.85	£11.87
SH40-62	62	1.628	1.678	0.625	0.250	£15.08	£12.04
SH40-63	63	1.654	1.704	0.625	0.250	£15.17	£12.15
SH40-64	64	1.680	1.730	0.625	0.250	£15.26	£12.23
SH40-66	66	1.733	1.783	0.625	0.250	£15.46	£12.39
SH40-68	68	1.785	1.835	0.625	0.250	£15.58	£12.43
SH40-70	70	1.838	1.888	0.625	0.250	£16.21	£12.92
SH40-75	75	1.969	2.019	0.625	0.250	£17.27	£13.85
SH40-76	76	1.995	2.045	0.625	0.250	£17.64	£14.06
SH40-80	80	2.100	2.150	0.625	0.250	£18.78	£15.05
SH40-86	86	2.258	2.308	0.750	0.250	£19.29	£15.41
SH40-88	88	2.310	2.360	0.750	0.250	£20.23	£16.16
SH40-90	90	2.363	2.413	0.750	0.250	£20.56	£16.45
SH40-96	96	2.520	2.570	0.750	0.250	£20.76	£16.61
SH40-100	100	2.625	2.675	0.750	0.250	£21.03	£16.81
SH40-112	112	2.940	2.990	0.750	0.250	£21.83	£19.32
SH40-120	120	3.150	3.200	0.750	0.250	£22.79	£20.56
SH40-127	127	3.334	3.384	0.750	0.312	£24.22	£21.72
SH40-128	128	3.360	3.410	0.750	0.312	£25.89	£23.08
SH40-140	140	3.675	3.725	1.000	0.375	£27.51	£25.04
SH40-150	150	3.938	3.988	1.000	0.375	£27.62	£26.49
SH40-175	175	4.594	4.644	1.500	0.500	£35.80	£28.64
SH40-200	200	5.250	5.300	1.500	0.750	£40.08	£32.06

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

40 DP

17°45' H.A.

20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 9 - 150



TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.40

Helical Gears Parallel Axis Plastic DP 40



RH 17°45'

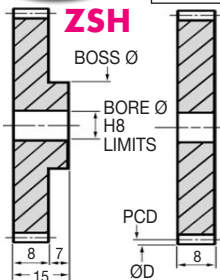


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



ZPSH

DISCOUNTS	
	List Price
1 - 5	
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
ZSH40-9	9	0.263	0.313	0.313	2	£4.28	£3.57
ZSH40-10	10	0.263	0.313	0.313	2	£4.29	£3.58
ZSH40-11	11	0.289	0.339	0.339	2	£4.32	£3.59
ZSH40-12	12	0.315	0.365	0.365	2	£4.33	£3.60
ZSH40-13	13	0.341	0.391	0.391	2	£4.73	£3.63
ZSH40-14	14	0.368	0.418	0.418	3	£4.75	£3.64
ZSH40-15	15	0.394	0.444	0.444	3	£4.76	£3.66
ZSH40-16	16	0.420	0.470	0.470	3	£4.77	£3.68
ZSH40-17	17	0.446	0.496	0.496	3	£4.79	£3.70
ZSH40-18	18	0.473	0.523	0.523	3	£4.80	£3.71
ZSH40-19	19	0.499	0.549	0.549	3	£4.91	£3.76
ZSH40-20	20	0.525	0.575	0.575	3	£4.99	£3.82
ZSH40-21	21	0.551	0.601	0.472	3	£5.02	£3.84
ZSH40-22	22	0.578	0.628	0.472	3	£5.05	£3.87
ZSH40-23	23	0.604	0.654	0.472	3	£5.10	£3.89
ZSH40-24	24	0.630	0.680	0.472	3	£5.17	£3.95
ZSH40-25	25	0.656	0.706	0.472	3	£5.26	£4.02
ZSH40-26	26	0.683	0.733	0.551	4	£5.30	£4.04
ZSH40-27	27	0.709	0.759	0.551	4	£5.39	£4.09
ZSH40-28	28	0.735	0.785	0.551	4	£5.41	£4.13
ZSH40-29	29	0.761	0.811	0.551	4	£5.48	£4.22
ZSH40-30	30	0.788	0.838	0.551	4	£5.63	£4.29
ZSH40-31	31	0.814	0.864	0.551	4	£5.89	£4.47

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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH40-32	32	0.840	0.890	0.551	4	£5.90	£4.49
ZSH40-33	33	0.866	0.916	0.551	4	£5.97	£4.53
ZSH40-34	34	0.893	0.943	0.551	4	£6.04	£4.64
ZSH40-35	35	0.919	0.969	0.551	4	£6.18	£4.69
ZSH40-36	36	0.945	0.995	0.551	4	£6.25	£4.73
ZSH40-37	37	0.971	1.021	0.551	4	£6.26	£4.79
ZSH40-38	38	0.998	1.048	0.551	4	£6.33	£4.82
ZSH40-39	39	1.024	1.074	0.629	5	£6.48	£4.95
ZSH40-40	40	1.050	1.100	0.629	5	£6.50	£4.98
ZSH40-41	41	1.076	1.126	0.629	5	£6.57	£5.02
ZSH40-42	42	1.103	1.153	0.629	5	£6.63	£5.10
ZSH40-43	43	1.129	1.179	0.629	5	£6.65	£5.12
ZSH40-44	44	1.155	1.205	0.629	5	£7.42	£5.68
ZSH40-45	45	1.181	1.231	0.629	5	£7.50	£5.70
ZSH40-46	46	1.208	1.258	0.629	5	£7.55	£5.75
ZSH40-47	47	1.234	1.284	0.629	5	£7.60	£5.79
ZSH40-48	48	1.260	1.310	0.629	5	£7.65	£5.89
ZSH40-49	49	1.286	1.336	0.629	5	£7.70	£5.89
ZSH40-50	50	1.313	1.363	0.629	5	£7.73	£5.90
ZSH40-51	51	1.339	1.389	0.629	5	£7.75	£5.95
ZSH40-52	52	1.365	1.415	0.629	5	£7.77	£5.96
ZSH40-53	53	1.391	1.441	0.629	5	£7.80	£5.97
ZSH40-54	54	1.418	1.468	0.629	5	£7.88	£6.00
ZSH40-55	55	1.444	1.494	0.629	5	£7.90	£6.03
ZSH40-56	56	1.470	1.520	0.629	5	£7.95	£6.04
ZSH40-57	57	1.496	1.546	0.629	5	£7.98	£6.07
ZSH40-58	58	1.523	1.573	0.629	5	£8.02	£6.18
ZSH40-59	59	1.549	1.599	0.629	5	£9.12	£6.97
ZSH40-60	60	1.575	1.625	0.629	5	£9.29	£7.13
ZSH40-61	61	1.601	1.651	0.629	5	£9.31	£7.15
ZSH40-62	62	1.628	1.678	0.629	5	£9.49	£7.22
ZSH40-63	63	1.654	1.704	0.629	5	£9.58	£7.32
ZSH40-64	64	1.680	1.730	0.629	5	£9.59	£7.35
ZSH40-66	66	1.733	1.783	0.629	5	£9.75	£7.43
ZSH40-68	68	1.785	1.835	0.708	6	£10.24	£7.50
ZSH40-70	70	1.838	1.888	0.708	6	£13.07	£7.80
ZSH40-75	75	1.969	2.019	0.708	6	£13.31	£10.02
ZSH40-76	76	1.995	2.045	0.708	6	£14.23	£10.24
ZSH40-80	80	2.100	2.150	0.708	6	£14.58	£10.85
ZSH40-86	86	2.258	2.308	0.708	6	£15.31	£11.14
ZSH40-88	88	2.310	2.360	0.708	6	£17.65	£11.73
ZSH40-90	90	2.363	2.413	0.708	6	£17.77	£13.52
ZSH40-96	96	2.520	2.570	0.708	6	£18.06	£13.67
ZSH40-100	100	2.625	2.675	0.708	6	£18.67	£13.79
ZSH40-112	112	2.940	2.990	0.708	6	£18.70	£14.35
ZSH40-120	120	3.150	3.200	0.787	8	£19.52	£14.93
ZSH40-127	127	3.334	3.384	0.787	8	£24.50	£19.89
ZSH40-128	128	3.360	3.410	0.787	8	£30.71	£26.11
ZSH40-140	140	3.675	3.725	0.787	8	£38.70	£34.12
ZSH40-150	150	3.938	3.988	0.984	10	£49.04	£44.45

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