

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

48 DP

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

20° P.A.

SPECIAL TEETH : between 10 - 250

TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol	
variations at back	TORQUE Nm.	0.63	2.48	0.31	0.22
	K.W.	0.067	0.261	0.029	0.022



RH 17°45'

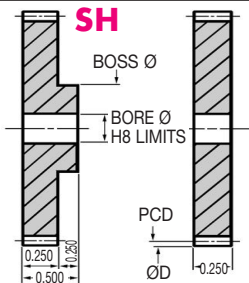


LH 17°45'

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 (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5	
						SH	PSH
SH48-10	10	0.241	0.282	0.282	0.125	£10.65	£8.87
SH48-11	11	0.241	0.282	0.282	0.125	£10.68	£8.88
SH48-12	12	0.263	0.304	0.304	0.125	£10.70	£8.91
SH48-13	13	0.284	0.326	0.312	0.125	£10.79	£9.09
SH48-14	14	0.306	0.348	0.312	0.125	£10.94	£9.28
SH48-15	15	0.328	0.370	0.312	0.125	£11.06	£9.47
SH48-16	16	0.350	0.392	0.312	0.125	£11.28	£9.61
SH48-17	17	0.372	0.414	0.312	0.125	£11.30	£9.83
SH48-18	18	0.394	0.435	0.312	0.125	£11.47	£10.01
SH48-19	19	0.416	0.457	0.312	0.125	£11.53	£10.02
SH48-20	20	0.438	0.479	0.375	0.187	£11.66	£10.09
SH48-21	21	0.459	0.501	0.375	0.187	£11.77	£10.19
SH48-22	22	0.481	0.523	0.375	0.187	£11.85	£10.22
SH48-23	23	0.503	0.545	0.375	0.187	£12.04	£10.28
SH48-24	24	0.525	0.567	0.375	0.187	£12.11	£10.32
SH48-25	25	0.547	0.589	0.375	0.187	£12.22	£10.42
SH48-26	26	0.569	0.610	0.375	0.187	£12.33	£10.47
SH48-27	27	0.591	0.632	0.375	0.187	£12.40	£10.57
SH48-28	28	0.613	0.654	0.375	0.187	£12.51	£10.70
SH48-29	29	0.634	0.676	0.375	0.187	£12.66	£10.75
SH48-30	30	0.656	0.698	0.375	0.187	£12.77	£10.76
SH48-31	31	0.678	0.720	0.375	0.187	£12.93	£10.79
SH48-32	32	0.700	0.742	0.375	0.187	£13.03	£10.80

Helical Gears Parallel Axis Steel DP 48

24.46



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
SH48-33	33	0.722	0.764	0.375	0.187	£13.19	£10.94
SH48-34	34	0.744	0.785	0.375	0.187	£13.31	£10.99
SH48-35	35	0.766	0.807	0.375	0.187	£13.48	£11.18
SH48-36	36	0.788	0.829	0.375	0.187	£13.64	£11.28
SH48-37	37	0.806	0.851	0.375	0.187	£13.96	£11.35
SH48-38	38	0.831	0.873	0.375	0.187	£14.15	£11.49
SH48-39	39	0.853	0.895	0.375	0.187	£14.33	£11.66
SH48-40	40	0.875	0.917	0.375	0.187	£14.50	£11.81
SH48-41	41	0.897	0.939	0.375	0.187	£14.77	£11.93
SH48-42	42	0.919	0.960	0.375	0.187	£14.90	£12.11
SH48-43	43	0.941	0.982	0.375	0.187	£15.07	£12.23
SH48-44	44	0.963	1.004	0.375	0.187	£15.23	£12.39
SH48-45	45	0.984	1.026	0.375	0.187	£15.41	£12.51
SH48-46	46	1.006	1.048	0.375	0.187	£15.61	£12.65
SH48-47	47	1.028	1.070	0.375	0.187	£15.82	£12.77
SH48-48	48	1.050	1.092	0.500	0.250	£15.97	£12.83
SH48-49	49	1.072	1.114	0.500	0.250	£16.13	£12.95
SH48-50	50	1.094	1.135	0.500	0.250	£16.22	£13.03
SH48-51	51	1.116	1.157	0.500	0.250	£16.35	£13.14
SH48-52	52	1.138	1.179	0.500	0.250	£16.45	£13.27
SH48-53	53	1.159	1.201	0.500	0.250	£16.56	£13.37
SH48-54	54	1.181	1.223	0.500	0.250	£16.68	£13.48
SH48-55	55	1.203	1.245	0.500	0.250	£16.77	£13.61
SH48-56	56	1.225	1.267	0.500	0.250	£16.90	£13.70
SH48-57	57	1.247	1.289	0.500	0.250	£16.95	£13.82
SH48-58	58	1.269	1.310	0.500	0.250	£17.13	£13.95
SH48-59	59	1.291	1.332	0.500	0.250	£17.26	£13.99
SH48-60	60	1.313	1.354	0.500	0.250	£17.31	£14.13
SH48-61	61	1.334	1.376	0.500	0.250	£17.38	£14.25
SH48-62	62	1.356	1.398	0.500	0.250	£17.51	£14.32
SH48-63	63	1.378	1.420	0.500	0.250	£17.65	£14.46
SH48-64	64	1.400	1.442	0.500	0.250	£17.77	£14.64
SH48-65	65	1.422	1.464	0.500	0.250	£17.87	£14.68
SH48-68	68	1.488	1.529	0.500	0.250	£17.87	£14.73
SH48-70	70	1.531	1.573	0.500	0.250	£17.90	£14.82
SH48-72	72	1.575	1.617	0.500	0.250	£17.98	£14.90
SH48-75	75	1.641	1.682	0.500	0.250	£18.30	£15.23
SH48-77	77	1.684	1.726	0.500	0.250	£18.66	£15.49
SH48-80	80	1.750	1.792	0.500	0.250	£18.87	£15.83
SH48-84	84	1.838	1.879	0.500	0.250	£19.27	£16.24
SH48-86	86	1.881	1.923	0.500	0.250	£19.72	£16.38
SH48-88	88	1.925	1.967	0.500	0.250	£20.24	£16.49
SH48-90	90	1.969	2.010	0.500	0.250	£20.46	£16.72
SH48-96	96	2.100	2.142	0.750	0.250	£20.73	£17.34
SH48-100	100	2.188	2.229	0.750	0.250	£21.38	£18.66
SH48-120	120	2.625	2.667	0.750	0.250	£26.04	£21.38
SH48-140	140	3.063	3.104	0.750	0.375	£32.15	£22.74
SH48-150	150	3.281	3.323	0.750	0.375	£35.15	£25.12
SH48-180	180	3.938	3.979	0.750	0.375	£38.72	£28.99

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

48 DP

17°45' H.A.

20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 10 - 180

SPECIALS
ON DEMAND

TORQUE CHECK 50 teeth x 1000 rpm		
variations at back	TORQUE Nm.	0.13



RH 17°45'

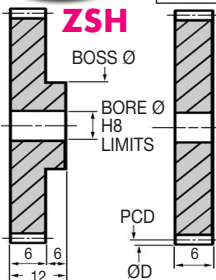


LH 17°45'

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 - 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
ZSH48-10	10	0.241	0.282	0.282	2	£5.13	£3.89
ZSH48-11	11	0.241	0.282	0.282	2	£5.19	£3.90
ZSH48-12	12	0.263	0.304	0.304	2	£5.20	£3.96
ZSH48-13	13	0.284	0.326	0.326	2	£5.22	£3.96
ZSH48-14	14	0.306	0.348	0.348	2	£5.23	£3.99
ZSH48-15	15	0.328	0.370	0.275	2	£5.25	£4.01
ZSH48-16	16	0.350	0.392	0.275	2	£5.32	£4.03
ZSH48-17	17	0.372	0.414	0.315	2	£5.33	£4.08
ZSH48-18	18	0.394	0.435	0.315	2	£5.48	£4.14
ZSH48-19	19	0.416	0.457	0.354	3	£5.52	£4.21
ZSH48-20	20	0.438	0.479	0.354	3	£5.54	£4.24
ZSH48-21	21	0.459	0.501	0.354	3	£5.58	£4.28
ZSH48-22	22	0.481	0.523	0.354	3	£5.67	£4.35
ZSH48-23	23	0.503	0.545	0.393	3	£5.73	£4.42
ZSH48-24	24	0.525	0.567	0.393	3	£5.79	£4.44
ZSH48-25	25	0.547	0.589	0.393	3	£5.81	£4.49
ZSH48-26	26	0.569	0.610	0.393	3	£5.83	£4.51
ZSH48-27	27	0.591	0.632	0.393	3	£5.90	£4.56
ZSH48-28	28	0.613	0.654	0.393	3	£5.95	£4.59
ZSH48-29	29	0.634	0.676	0.393	3	£6.03	£4.62
ZSH48-30	30	0.656	0.698	0.472	4	£6.06	£4.73
ZSH48-31	31	0.678	0.720	0.472	4	£6.15	£4.75
ZSH48-32	32	0.700	0.742	0.472	4	£6.20	£4.79

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PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH48-33	33	0.722	0.764	0.472	4	£6.30	£4.83
ZSH48-34	34	0.744	0.785	0.472	4	£6.38	£4.85
ZSH48-35	35	0.766	0.807	0.472	4	£6.44	£5.19
ZSH48-36	36	0.788	0.829	0.472	4	£6.68	£5.25
ZSH48-37	37	0.806	0.851	0.472	4	£6.95	£5.30
ZSH48-38	38	0.831	0.873	0.472	4	£7.02	£5.33
ZSH48-39	39	0.853	0.895	0.472	4	£7.04	£5.46
ZSH48-40	40	0.875	0.917	0.472	4	£7.14	£5.52
ZSH48-41	41	0.897	0.939	0.472	4	£7.28	£5.54
ZSH48-42	42	0.919	0.960	0.472	4	£7.38	£5.58
ZSH48-43	43	0.941	0.982	0.472	4	£7.40	£5.73
ZSH48-44	44	0.963	1.004	0.472	4	£7.49	£5.79
ZSH48-45	45	0.984	1.026	0.472	4	£7.64	£5.82
ZSH48-46	46	1.006	1.048	0.472	4	£7.72	£5.83
ZSH48-47	47	1.028	1.070	0.472	4	£7.73	£5.90
ZSH48-48	48	1.050	1.092	0.472	4	£7.75	£5.95
ZSH48-49	49	1.072	1.114	0.472	4	£7.82	£6.03
ZSH48-50	50	1.094	1.135	0.472	4	£7.87	£6.04
ZSH48-51	51	1.116	1.157	0.472	4	£7.94	£6.06
ZSH48-52	52	1.138	1.179	0.472	4	£8.81	£6.71
ZSH48-53	53	1.159	1.201	0.472	4	£8.91	£6.87
ZSH48-54	54	1.181	1.223	0.551	4	£8.93	£6.94
ZSH48-55	55	1.203	1.245	0.551	4	£8.96	£6.95
ZSH48-56	56	1.225	1.267	0.551	4	£9.04	£6.96
ZSH48-57	57	1.247	1.289	0.551	4	£9.08	£6.97
ZSH48-58	58	1.269	1.310	0.551	4	£9.18	£6.99
ZSH48-59	59	1.291	1.332	0.551	4	£9.20	£7.01
ZSH48-60	60	1.313	1.354	0.551	4	£9.26	£7.02
ZSH48-61	61	1.334	1.376	0.551	4	£9.30	£7.04
ZSH48-62	62	1.356	1.398	0.551	4	£9.31	£7.10
ZSH48-63	63	1.378	1.420	0.551	4	£9.32	£7.12
ZSH48-64	64	1.400	1.442	0.551	4	£9.40	£7.14
ZSH48-65	65	1.422	1.464	0.551	4	£9.47	£7.20
ZSH48-68	68	1.488	1.529	0.551	4	£9.47	£7.27
ZSH48-70	70	1.531	1.573	0.551	4	£10.97	£8.38
ZSH48-72	72	1.575	1.617	0.551	4	£11.12	£8.53
ZSH48-75	75	1.641	1.682	0.551	4	£11.28	£8.62
ZSH48-77	77	1.684	1.726	0.551	4	£11.51	£8.81
ZSH48-80	80	1.750	1.792	0.629	5	£11.76	£9.04
ZSH48-84	84	1.838	1.879	0.629	5	£12.06	£9.18
ZSH48-86	86	1.881	1.923	0.629	5	£12.08	£9.20
ZSH48-88	88	1.925	1.967	0.629	5	£12.09	£9.26
ZSH48-90	90	1.969	2.010	0.629	5	£12.22	£9.40
ZSH48-96	96	2.100	2.142	0.629	5	£14.90	£11.47
ZSH48-100	100	2.188	2.229	0.787	5	£15.93	£12.32
ZSH48-120	120	2.625	2.667	0.787	5	£19.69	£14.83
ZSH48-140	140	3.063	3.104	0.787	5	£25.81	£20.96
ZSH48-150	150	3.281	3.323	0.787	5	£33.58	£28.69
ZSH48-180	180	3.938	3.979	0.787	5	£43.49	£38.61

Helical Gears Parallel Axis Plastic DP 48

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

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24.49