

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

48 DP

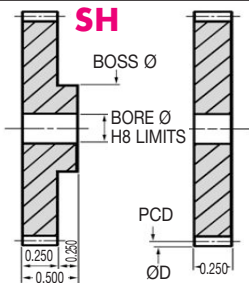
17°45'H.A. ALTERNATIVE : Brass, Tufnol or Delrin

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

Helical Gears Parallel Axis Steel DP48



DISCOUNTS	
1 - 5	List Price
6 - 19	- 12%
20 - 39	- 25%
40 - 59	- 33%
60 - 99	- 37%
100 - 200	- 42%

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.

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	£8.61	£7.18
SH48-11	11	0.241	0.282	0.282	0.125	£8.63	£7.19
SH48-12	12	0.263	0.304	0.304	0.125	£8.64	£7.21
SH48-13	13	0.284	0.326	0.312	0.125	£8.74	£7.36
SH48-14	14	0.306	0.348	0.312	0.125	£8.84	£7.51
SH48-15	15	0.328	0.370	0.312	0.125	£8.95	£7.65
SH48-16	16	0.350	0.392	0.312	0.125	£9.12	£7.78
SH48-17	17	0.372	0.414	0.312	0.125	£9.15	£7.96
SH48-18	18	0.394	0.435	0.312	0.125	£9.27	£8.10
SH48-19	19	0.416	0.457	0.312	0.125	£9.33	£8.11
SH48-20	20	0.438	0.479	0.375	0.187	£9.43	£8.18
SH48-21	21	0.459	0.501	0.375	0.187	£9.52	£8.23
SH48-22	22	0.481	0.523	0.375	0.187	£9.59	£8.26
SH48-23	23	0.503	0.545	0.375	0.187	£9.73	£8.33
SH48-24	24	0.525	0.567	0.375	0.187	£9.80	£8.36
SH48-25	25	0.547	0.589	0.375	0.187	£9.88	£8.42
SH48-26	26	0.569	0.610	0.375	0.187	£9.97	£8.47
SH48-27	27	0.591	0.632	0.375	0.187	£10.03	£8.56
SH48-28	28	0.613	0.654	0.375	0.187	£10.11	£8.64
SH48-29	29	0.634	0.676	0.375	0.187	£10.24	£8.69
SH48-30	30	0.656	0.698	0.375	0.187	£10.32	£8.70
SH48-31	31	0.678	0.720	0.375	0.187	£10.46	£8.74
SH48-32	32	0.700	0.742	0.375	0.187	£10.53	£8.75

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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	£10.67	£8.84
SH48-34	34	0.744	0.785	0.375	0.187	£10.76	£8.89
SH48-35	35	0.766	0.807	0.375	0.187	£10.90	£9.04
SH48-36	36	0.788	0.829	0.375	0.187	£11.04	£9.12
SH48-37	37	0.806	0.851	0.375	0.187	£11.29	£9.19
SH48-38	38	0.831	0.873	0.375	0.187	£11.43	£9.29
SH48-39	39	0.853	0.895	0.375	0.187	£11.59	£9.43
SH48-40	40	0.875	0.917	0.375	0.187	£11.73	£9.54
SH48-41	41	0.897	0.939	0.375	0.187	£11.95	£9.65
SH48-42	42	0.919	0.960	0.375	0.187	£12.04	£9.80
SH48-43	43	0.941	0.982	0.375	0.187	£12.19	£9.89
SH48-44	44	0.963	1.004	0.375	0.187	£12.32	£10.02
SH48-45	45	0.984	1.026	0.375	0.187	£12.45	£10.11
SH48-46	46	1.006	1.048	0.375	0.187	£12.61	£10.23
SH48-47	47	1.028	1.070	0.375	0.187	£12.79	£10.32
SH48-48	48	1.050	1.092	0.500	0.250	£12.92	£10.37
SH48-49	49	1.072	1.114	0.500	0.250	£13.03	£10.48
SH48-50	50	1.094	1.135	0.500	0.250	£13.11	£10.53
SH48-51	51	1.116	1.157	0.500	0.250	£13.21	£10.63
SH48-52	52	1.138	1.179	0.500	0.250	£13.30	£10.73
SH48-53	53	1.159	1.201	0.500	0.250	£13.39	£10.80
SH48-54	54	1.181	1.223	0.500	0.250	£13.48	£10.90
SH48-55	55	1.203	1.245	0.500	0.250	£13.56	£11.00
SH48-56	56	1.225	1.267	0.500	0.250	£13.65	£11.07
SH48-57	57	1.247	1.289	0.500	0.250	£13.70	£11.18
SH48-58	58	1.269	1.310	0.500	0.250	£13.85	£11.28
SH48-59	59	1.291	1.332	0.500	0.250	£13.94	£11.32
SH48-60	60	1.313	1.354	0.500	0.250	£14.00	£11.42
SH48-61	61	1.334	1.376	0.500	0.250	£14.06	£11.52
SH48-62	62	1.356	1.398	0.500	0.250	£14.15	£11.58
SH48-63	63	1.378	1.420	0.500	0.250	£14.27	£11.69
SH48-64	64	1.400	1.442	0.500	0.250	£14.36	£11.82
SH48-65	65	1.422	1.464	0.500	0.250	£14.45	£11.87
SH48-68	68	1.488	1.529	0.500	0.250	£14.45	£11.92
SH48-70	70	1.531	1.573	0.500	0.250	£14.48	£11.98
SH48-72	72	1.575	1.617	0.500	0.250	£14.52	£12.04
SH48-75	75	1.641	1.682	0.500	0.250	£14.79	£12.32
SH48-77	77	1.684	1.726	0.500	0.250	£15.08	£12.53
SH48-80	80	1.750	1.792	0.500	0.250	£15.25	£12.80
SH48-84	84	1.838	1.879	0.500	0.250	£15.58	£13.14
SH48-86	86	1.881	1.923	0.500	0.250	£15.94	£13.23
SH48-88	88	1.925	1.967	0.500	0.250	£16.36	£13.33
SH48-90	90	1.969	2.010	0.500	0.250	£16.54	£13.51
SH48-96	96	2.100	2.142	0.750	0.250	£16.77	£14.02
SH48-100	100	2.188	2.229	0.750	0.250	£17.27	£15.08
SH48-120	120	2.625	2.667	0.750	0.250	£21.03	£17.27
SH48-140	140	3.063	3.104	0.750	0.375	£25.98	£18.38
SH48-150	150	3.281	3.323	0.750	0.375	£28.39	£20.30
SH48-180	180	3.938	3.979	0.750	0.375	£31.28	£23.43

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'

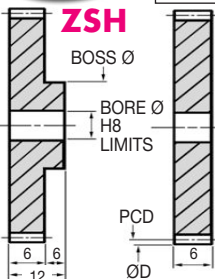


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



ZPSH

DISCOUNTS

	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
ZSH48-10	10	0.241	0.282	0.282	2	£4.17	£3.16
ZSH48-11	11	0.241	0.282	0.282	2	£4.20	£3.17
ZSH48-12	12	0.263	0.304	0.304	2	£4.21	£3.21
ZSH48-13	13	0.284	0.326	0.326	2	£4.22	£3.21
ZSH48-14	14	0.306	0.348	0.348	2	£4.23	£3.23
ZSH48-15	15	0.328	0.370	0.275	2	£4.24	£3.24
ZSH48-16	16	0.350	0.392	0.275	2	£4.32	£3.27
ZSH48-17	17	0.372	0.414	0.315	2	£4.33	£3.32
ZSH48-18	18	0.394	0.435	0.315	2	£4.43	£3.36
ZSH48-19	19	0.416	0.457	0.354	3	£4.47	£3.41
ZSH48-20	20	0.438	0.479	0.354	3	£4.49	£3.43
ZSH48-21	21	0.459	0.501	0.354	3	£4.53	£3.48
ZSH48-22	22	0.481	0.523	0.354	3	£4.60	£3.53
ZSH48-23	23	0.503	0.545	0.393	3	£4.64	£3.59
ZSH48-24	24	0.525	0.567	0.393	3	£4.69	£3.60
ZSH48-25	25	0.547	0.589	0.393	3	£4.70	£3.63
ZSH48-26	26	0.569	0.610	0.393	3	£4.73	£3.64
ZSH48-27	27	0.591	0.632	0.393	3	£4.79	£3.70
ZSH48-28	28	0.613	0.654	0.393	3	£4.82	£3.73
ZSH48-29	29	0.634	0.676	0.393	3	£4.88	£3.76
ZSH48-30	30	0.656	0.698	0.472	4	£4.91	£3.82
ZSH48-31	31	0.678	0.720	0.472	4	£4.99	£3.84
ZSH48-32	32	0.700	0.742	0.472	4	£5.02	£3.89

Helical Gears Parallel Axis Plastic DP 48

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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	£5.10	£3.93
ZSH48-34	34	0.744	0.785	0.472	4	£5.17	£3.95
ZSH48-35	35	0.766	0.807	0.472	4	£5.22	£4.20
ZSH48-36	36	0.788	0.829	0.472	4	£5.41	£4.24
ZSH48-37	37	0.806	0.851	0.472	4	£5.63	£4.29
ZSH48-38	38	0.831	0.873	0.472	4	£5.68	£4.33
ZSH48-39	39	0.853	0.895	0.472	4	£5.70	£4.41
ZSH48-40	40	0.875	0.917	0.472	4	£5.79	£4.47
ZSH48-41	41	0.897	0.939	0.472	4	£5.90	£4.49
ZSH48-42	42	0.919	0.960	0.472	4	£5.97	£4.53
ZSH48-43	43	0.941	0.982	0.472	4	£6.00	£4.64
ZSH48-44	44	0.963	1.004	0.472	4	£6.07	£4.69
ZSH48-45	45	0.984	1.026	0.472	4	£6.20	£4.71
ZSH48-46	46	1.006	1.048	0.472	4	£6.25	£4.73
ZSH48-47	47	1.028	1.070	0.472	4	£6.26	£4.79
ZSH48-48	48	1.050	1.092	0.472	4	£6.28	£4.82
ZSH48-49	49	1.072	1.114	0.472	4	£6.33	£4.88
ZSH48-50	50	1.094	1.135	0.472	4	£6.36	£4.89
ZSH48-51	51	1.116	1.157	0.472	4	£6.43	£4.91
ZSH48-52	52	1.138	1.179	0.472	4	£7.13	£5.44
ZSH48-53	53	1.159	1.201	0.472	4	£7.21	£5.57
ZSH48-54	54	1.181	1.223	0.551	4	£7.22	£5.62
ZSH48-55	55	1.203	1.245	0.551	4	£7.25	£5.63
ZSH48-56	56	1.225	1.267	0.551	4	£7.32	£5.64
ZSH48-57	57	1.247	1.289	0.551	4	£7.35	£5.65
ZSH48-58	58	1.269	1.310	0.551	4	£7.42	£5.66
ZSH48-59	59	1.291	1.332	0.551	4	£7.43	£5.67
ZSH48-60	60	1.313	1.354	0.551	4	£7.50	£5.68
ZSH48-61	61	1.334	1.376	0.551	4	£7.53	£5.70
ZSH48-62	62	1.356	1.398	0.551	4	£7.54	£5.75
ZSH48-63	63	1.378	1.420	0.551	4	£7.55	£5.76
ZSH48-64	64	1.400	1.442	0.551	4	£7.60	£5.79
ZSH48-65	65	1.422	1.464	0.551	4	£7.65	£5.83
ZSH48-68	68	1.488	1.529	0.551	4	£7.65	£5.89
ZSH48-70	70	1.531	1.573	0.551	4	£8.87	£6.79
ZSH48-72	72	1.575	1.617	0.551	4	£9.00	£6.91
ZSH48-75	75	1.641	1.682	0.551	4	£9.12	£6.97
ZSH48-77	77	1.684	1.726	0.551	4	£9.31	£7.13
ZSH48-80	80	1.750	1.792	0.629	5	£9.51	£7.32
ZSH48-84	84	1.838	1.879	0.629	5	£9.75	£7.42
ZSH48-86	86	1.881	1.923	0.629	5	£9.78	£7.43
ZSH48-88	88	1.925	1.967	0.629	5	£9.79	£7.50
ZSH48-90	90	1.969	2.010	0.629	5	£9.88	£7.60
ZSH48-96	96	2.100	2.142	0.629	5	£12.04	£9.27
ZSH48-100	100	2.188	2.229	0.787	5	£12.87	£9.96
ZSH48-120	120	2.625	2.667	0.787	5	£15.92	£11.99
ZSH48-140	140	3.063	3.104	0.787	5	£20.85	£16.95
ZSH48-150	150	3.281	3.323	0.787	5	£27.12	£23.18
ZSH48-180	180	3.938	3.979	0.787	5	£35.12	£31.19

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

