

# Helical Gears

## Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

**32 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	<b>TORQUE Nm.</b>	2.12	8.38	1.06	0.76
	<b>K.W.</b>	0.224	0.88	0.112	0.082



**RH 17°45'**

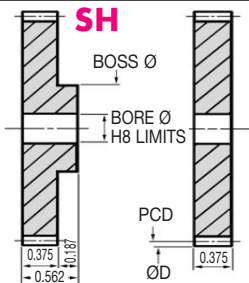


**LH 17°45'**

**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
SH32-9	9	0.328	0.391	0.391	0.187	£8.26	£6.64
SH32-10	10	0.328	0.391	0.391	0.187	£8.42	£6.81
SH32-11	11	0.361	0.423	0.423	0.187	£8.69	£7.00
SH32-12	12	0.394	0.456	0.456	0.187	£9.73	£8.10
SH32-13	13	0.427	0.489	0.489	0.187	£10.24	£8.26
SH32-14	14	0.459	0.522	0.500	0.187	£10.59	£8.42
SH32-15	15	0.492	0.555	0.500	0.187	£10.94	£8.56
SH32-16	16	0.525	0.588	0.500	0.187	£11.25	£8.75
SH32-17	17	0.558	0.620	0.500	0.187	£11.31	£8.77
SH32-18	18	0.591	0.653	0.500	0.187	£11.43	£8.89
SH32-19	19	0.623	0.686	0.500	0.187	£11.58	£9.12
SH32-20	20	0.656	0.719	0.500	0.187	£11.67	£9.20
SH32-21	21	0.689	0.752	0.500	0.187	£11.82	£9.38
SH32-22	22	0.722	0.784	0.500	0.187	£11.91	£9.52
SH32-23	23	0.755	0.817	0.500	0.187	£12.04	£9.65
SH32-24	24	0.788	0.850	0.500	0.187	£12.19	£9.79
SH32-25	25	0.820	0.883	0.500	0.187	£12.32	£9.89
SH32-26	26	0.853	0.916	0.500	0.187	£12.50	£10.02
SH32-27	27	0.886	0.948	0.500	0.187	£12.58	£10.11
SH32-28	28	0.919	0.981	0.500	0.187	£12.69	£10.27
SH32-29	29	0.952	1.014	0.500	0.187	£12.79	£10.37
SH32-30	30	0.984	1.047	0.625	0.250	£12.85	£10.50
SH32-31	31	1.017	1.080	0.625	0.250	£12.97	£10.62

Helical Gears Parallel Axis Steel DP32

**638**



Unit 14, Foxwood Industrial Park, Foxwood Road, Chesterfield, Derbyshire S41 9RN

Telephone +44(0)1246 268080

Fax +44(0)1246 260003

PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (ins)	PRICE EACH 1 - 5 SH	PSH
SH32-32	32	1.050	1.113	0.625	0.250	£13.14	£10.73
SH32-33	33	1.083	1.145	0.625	0.250	£13.16	£10.75
SH32-34	34	1.116	1.178	0.625	0.250	£13.21	£10.76
SH32-35	35	1.148	1.211	0.625	0.250	£13.29	£10.85
SH32-36	36	1.181	1.244	0.625	0.250	£13.32	£10.90
SH32-37	37	1.214	1.277	0.625	0.250	£13.33	£10.99
SH32-38	38	1.247	1.309	0.625	0.250	£13.39	£11.04
SH32-39	39	1.280	1.342	0.625	0.250	£13.42	£11.07
SH32-40	40	1.313	1.375	0.625	0.250	£13.46	£11.13
SH32-41	41	1.345	1.408	0.625	0.250	£13.48	£11.25
SH32-42	42	1.378	1.441	0.625	0.250	£13.51	£11.28
SH32-43	43	1.411	1.473	0.625	0.250	£13.56	£11.31
SH32-44	44	1.444	1.506	0.625	0.250	£13.56	£11.35
SH32-45	45	1.477	1.539	0.625	0.250	£13.60	£11.43
SH32-46	46	1.509	1.572	0.625	0.250	£13.61	£11.52
SH32-47	47	1.542	1.605	0.625	0.250	£13.65	£11.58
SH32-48	48	1.575	1.638	0.625	0.250	£13.67	£11.61
SH32-49	49	1.608	1.670	0.625	0.250	£13.69	£11.67
SH32-50	50	1.641	1.703	0.625	0.250	£13.70	£11.73
SH32-51	51	1.673	1.736	0.625	0.250	£13.72	£11.82
SH32-52	52	1.706	1.769	0.625	0.250	£13.73	£11.83
SH32-53	53	1.739	1.802	0.625	0.250	£13.79	£11.85
SH32-54	54	1.772	1.834	0.625	0.250	£13.85	£11.87
SH32-55	55	1.805	1.867	0.625	0.250	£13.85	£11.91
SH32-56	56	1.838	1.900	0.625	0.250	£13.89	£11.92
SH32-57	57	1.870	1.933	0.625	0.250	£13.93	£12.13
SH32-58	58	1.903	1.966	0.625	0.250	£13.94	£12.27
SH32-59	59	1.936	1.998	0.625	0.250	£13.97	£12.45
SH32-60	60	1.969	2.031	0.625	0.250	£14.15	£12.64
SH32-61	61	2.002	2.064	0.625	0.250	£14.45	£12.85
SH32-62	62	2.034	2.097	0.625	0.250	£14.79	£13.03
SH32-63	63	2.067	2.130	0.625	0.250	£15.46	£13.21
SH32-64	64	2.100	2.163	0.750	0.312	£15.82	£13.46
SH32-66	66	2.166	2.228	0.750	0.312	£16.13	£13.85
SH32-68	68	2.231	2.294	0.750	0.312	£16.45	£14.24
SH32-70	70	2.297	2.359	0.750	0.312	£17.02	£14.45
SH32-75	75	2.461	2.523	0.750	0.312	£17.27	£15.08
SH32-76	76	2.494	2.556	0.750	0.312	£17.49	£15.58
SH32-80	80	2.625	2.688	0.750	0.312	£17.76	£16.21
SH32-86	86	2.822	2.884	0.750	0.312	£18.33	£16.92
SH32-88	88	2.888	2.950	0.750	0.312	£18.91	£17.57
SH32-90	90	2.953	3.016	0.750	0.312	£20.04	£18.02
SH32-96	96	3.150	3.213	0.750	0.312	£21.18	£18.41
SH32-100	100	3.281	3.344	0.750	0.312	£22.13	£19.24
SH32-112	112	3.675	3.738	0.750	0.312	£23.44	£20.38
SH32-120	120	3.938	4.000	0.750	0.375	£24.64	£20.66
SH32-127	127	4.167	4.230	0.750	0.375	£28.07	£20.97
SH32-128	128	4.200	4.263	0.750	0.375	£31.13	£21.18
SH32-140	140	4.594	4.656	1.000	0.500	£34.31	£29.81
SH32-150	150	4.922	4.984	1.000	0.500	£38.45	£30.75
SH32-175	175	5.742	5.805	1.000	0.500	£41.80	£33.47
SH32-200	200	6.563	6.625	1.500	0.750	£45.35	£36.32

*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

**32 DP**

17°45' H.A.

20° P.A.

STD : White Delrin  
(fully machined)

SPECIAL TEETH : between 9 - 140



TORQUE CHECK 50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.50



**RH 17°45'**

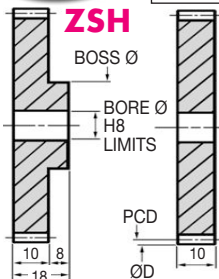


**LH 17°45'**

**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
ZSH32-9	9	0.328	0.391	0.391	3	£4.82	£3.15
ZSH32-10	10	0.328	0.391	0.391	3	£4.86	£3.21
ZSH32-11	11	0.361	0.423	0.423	3	£4.87	£3.32
ZSH32-12	12	0.394	0.456	0.456	3	£4.88	£3.73
ZSH32-13	13	0.427	0.489	0.489	3	£5.12	£3.93
ZSH32-14	14	0.459	0.522	0.522	3	£5.30	£4.04
ZSH32-15	15	0.492	0.555	0.555	3	£5.46	£4.20
ZSH32-16	16	0.525	0.588	0.588	3	£5.63	£4.29
ZSH32-17	17	0.558	0.620	0.620	3	£5.68	£4.33
ZSH32-18	18	0.591	0.653	0.551	4	£5.70	£4.41
ZSH32-19	19	0.623	0.686	0.551	4	£5.79	£4.43
ZSH32-20	20	0.656	0.719	0.551	4	£5.89	£4.47
ZSH32-21	21	0.689	0.752	0.551	4	£5.95	£4.50
ZSH32-22	22	0.722	0.784	0.551	4	£5.97	£4.53
ZSH32-23	23	0.755	0.817	0.551	4	£6.04	£4.64
ZSH32-24	24	0.788	0.850	0.551	4	£6.18	£4.69
ZSH32-25	25	0.820	0.883	0.551	4	£6.20	£4.73
ZSH32-26	26	0.853	0.916	0.551	4	£6.26	£4.79
ZSH32-27	27	0.886	0.948	0.551	4	£6.28	£4.82
ZSH32-28	28	0.919	0.981	0.551	4	£6.36	£4.88
ZSH32-29	29	0.952	1.014	0.551	4	£6.43	£4.91
ZSH32-30	30	0.984	1.047	0.590	5	£6.48	£4.95
ZSH32-31	31	1.017	1.080	0.590	5	£6.50	£4.98

Helical Gears Parallel Axis Plastic DP 32

**640**



Unit 14, Foxwood Industrial Park, Foxwood Road, Chesterfield, Derbyshire S41 9RN

Telephone +44(0)1246 268080

Fax +44(0)1246 260003

PART NUMBER	TEETH	PCD (ins)	ØD (ins)	BOSS Ø (ins)	BORE Ø (mm)	PRICE EACH 1 - 5	
						ZSH	ZPSH
ZSH32-32	32	1.050	1.113	0.590	5	£6.57	£4.99
ZSH32-33	33	1.083	1.145	0.590	5	£6.63	£5.10
ZSH32-34	34	1.116	1.178	0.590	5	£7.07	£5.41
ZSH32-35	35	1.148	1.211	0.590	5	£7.32	£5.63
ZSH32-36	36	1.181	1.244	0.590	5	£7.35	£5.66
ZSH32-37	37	1.214	1.277	0.590	5	£7.43	£5.67
ZSH32-38	38	1.247	1.309	0.590	5	£7.44	£5.68
ZSH32-39	39	1.280	1.342	0.590	5	£7.46	£5.69
ZSH32-40	40	1.313	1.375	0.590	5	£7.48	£5.70
ZSH32-41	41	1.345	1.408	0.590	5	£7.50	£5.71
ZSH32-42	42	1.378	1.441	0.590	5	£7.51	£5.73
ZSH32-43	43	1.411	1.473	0.590	5	£7.53	£5.74
ZSH32-44	44	1.444	1.506	0.590	5	£7.54	£5.75
ZSH32-45	45	1.477	1.539	0.590	5	£7.55	£5.76
ZSH32-46	46	1.509	1.572	0.590	5	£7.57	£5.79
ZSH32-47	47	1.542	1.605	0.590	5	£7.58	£5.80
ZSH32-48	48	1.575	1.638	0.590	5	£7.59	£5.83
ZSH32-49	49	1.608	1.670	0.590	5	£7.60	£5.89
ZSH32-50	50	1.641	1.703	0.590	5	£7.65	£5.89
ZSH32-51	51	1.673	1.736	0.590	5	£7.65	£5.90
ZSH32-52	52	1.706	1.769	0.590	5	£7.67	£5.91
ZSH32-53	53	1.739	1.802	0.590	5	£7.68	£5.92
ZSH32-54	54	1.772	1.834	0.590	5	£7.70	£5.93
ZSH32-55	55	1.805	1.867	0.590	5	£7.72	£5.95
ZSH32-56	56	1.838	1.900	0.590	5	£7.73	£5.96
ZSH32-57	57	1.870	1.933	0.708	6	£7.75	£5.97
ZSH32-58	58	1.903	1.966	0.708	6	£7.77	£5.99
ZSH32-59	59	1.936	1.998	0.708	6	£8.74	£6.25
ZSH32-60	60	1.969	2.031	0.708	6	£8.79	£6.57
ZSH32-61	61	2.002	2.064	0.708	6	£8.89	£6.84
ZSH32-62	62	2.034	2.097	0.708	6	£9.07	£6.95
ZSH32-63	63	2.067	2.130	0.708	6	£9.31	£7.13
ZSH32-64	64	2.100	2.163	0.708	6	£9.75	£7.43
ZSH32-66	66	2.166	2.228	0.708	6	£9.97	£7.67
ZSH32-68	68	2.231	2.294	0.708	6	£10.12	£7.77
ZSH32-70	70	2.297	2.359	0.708	6	£10.33	£7.95
ZSH32-75	75	2.461	2.523	0.708	6	£12.87	£9.84
ZSH32-76	76	2.494	2.556	0.708	6	£13.07	£10.02
ZSH32-80	80	2.625	2.688	0.708	6	£13.17	£10.12
ZSH32-86	86	2.822	2.884	0.708	6	£13.39	£10.30
ZSH32-88	88	2.888	2.950	0.708	6	£13.85	£10.62
ZSH32-90	90	2.953	3.016	0.708	6	£16.21	£12.42
ZSH32-96	96	3.150	3.213	0.708	6	£17.20	£13.17
ZSH32-100	100	3.281	3.344	0.866	8	£18.13	£13.89
ZSH32-112	112	3.675	3.738	0.866	8	£19.02	£14.53
ZSH32-120	120	3.938	4.000	0.866	10	£23.65	£18.13
ZSH32-127	127	4.167	4.230	0.866	10	£29.90	£24.37
ZSH32-128	128	4.200	4.263	0.866	10	£37.33	£31.79
ZSH32-140	140	4.594	4.656	1.181	12	£46.98	£41.43

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

