

Crossed Helical Gears *Materials*

Steel Crossed Axis @ 90° STD : Steel 214M15/045M10
 45°H.A. ALTERNATIVE : Brass, Tufnol or Delrin
 40 DP 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.	0.208	1.370	0.104	0.074
	K.W.	0.021	0.143	0.011	0.008



RH 45°

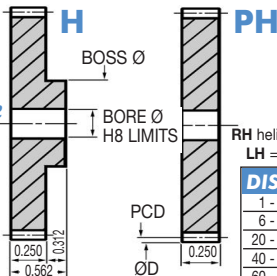


LH available
on request.

RH 45°

RH runs with RH
Popular sizes in stock.

Any two part numbers of this pitch will run together.



RH helix is standard.
LH = price + 33%.

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	
						H	PH
H40-9	9	0.318	0.368	0.368	0.187	£11.12	£8.86
H40-10	10	0.354	0.404	0.404	0.187	£11.15	£8.87
H40-11	11	0.389	0.439	0.439	0.187	£11.28	£8.97
H40-12	12	0.424	0.474	0.474	0.187	£11.30	£9.03
H40-13	13	0.460	0.510	0.500	0.187	£11.50	£9.22
H40-14	14	0.495	0.545	0.500	0.187	£11.85	£9.38
H40-15	15	0.530	0.580	0.500	0.187	£11.89	£9.49
H40-16	16	0.566	0.616	0.500	0.187	£11.91	£9.51
H40-17	17	0.601	0.651	0.500	0.187	£12.15	£9.72
H40-18	18	0.636	0.686	0.500	0.187	£12.44	£9.96
H40-19	19	0.672	0.722	0.500	0.187	£12.65	£10.02
H40-20	20	0.707	0.757	0.500	0.187	£12.69	£10.19
H40-21	21	0.742	0.792	0.500	0.187	£13.14	£10.47
H40-22	22	0.778	0.828	0.500	0.187	£13.68	£10.94
H40-23	23	0.813	0.863	0.500	0.187	£13.99	£11.21
H40-24	24	0.849	0.899	0.500	0.187	£14.25	£11.35
H40-25	25	0.884	0.934	0.500	0.187	£14.61	£11.65
H40-26	26	0.919	0.969	0.500	0.187	£14.73	£11.81
H40-27	27	0.955	1.005	0.625	0.250	£14.83	£11.85
H40-28	28	0.990	1.040	0.625	0.250	£15.33	£12.22
H40-29	29	1.025	1.075	0.625	0.250	£15.45	£12.34
H40-30	30	1.061	1.111	0.625	0.250	£15.65	£12.50
H40-31	31	1.096	1.146	0.625	0.250	£15.82	£12.66

Helical Gears Crossed Axis Steel DP 40

25.46



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	
						H	PH
H40-32	32	1.131	1.181	0.625	0.250	£16.13	£12.84
H40-33	33	1.167	1.217	0.625	0.250	£16.22	£12.95
H40-34	34	1.202	1.252	0.625	0.250	£16.35	£13.02
H40-35	35	1.237	1.287	0.625	0.250	£16.44	£13.13
H40-36	36	1.273	1.323	0.625	0.250	£16.56	£13.26
H40-37	37	1.308	1.358	0.625	0.250	£16.60	£13.27
H40-38	38	1.344	1.394	0.625	0.250	£16.77	£13.40
H40-39	39	1.379	1.429	0.625	0.250	£16.83	£13.46
H40-40	40	1.414	1.464	0.625	0.250	£16.95	£13.59
H40-41	41	1.450	1.500	0.625	0.250	£17.13	£13.64
H40-42	42	1.485	1.535	0.625	0.250	£17.34	£13.93
H40-43	43	1.520	1.570	0.625	0.250	£17.48	£13.98
H40-44	44	1.556	1.606	0.625	0.250	£17.76	£14.15
H40-45	45	1.591	1.641	0.625	0.250	£17.99	£14.38
H40-46	46	1.626	1.676	0.625	0.250	£18.18	£14.61
H40-47	47	1.662	1.712	0.625	0.250	£18.25	£14.65
H40-48	48	1.697	1.747	0.625	0.250	£18.30	£14.67
H40-49	49	1.732	1.782	0.625	0.250	£19.07	£15.03
H40-50	50	1.768	1.818	0.625	0.250	£20.42	£15.06
H40-51	51	1.803	1.853	0.625	0.250	£20.46	£15.12
H40-52	52	1.838	1.888	0.625	0.250	£20.61	£15.19
H40-53	53	1.874	1.924	0.625	0.250	£20.66	£15.23
H40-54	54	1.909	1.959	0.625	0.250	£20.73	£16.60
H40-55	55	1.945	1.995	0.625	0.250	£22.06	£17.63
H40-56	56	1.980	2.030	0.625	0.250	£22.12	£17.67
H40-57	57	2.015	2.065	0.750	0.250	£22.74	£18.05
H40-58	58	2.051	2.101	0.750	0.250	£22.81	£18.09
H40-59	59	2.086	2.136	0.750	0.250	£23.08	£18.12
H40-60	60	2.121	2.171	0.750	0.250	£23.26	£18.13
H40-61	61	2.157	2.207	0.750	0.250	£23.54	£18.17
H40-62	62	2.192	2.242	0.750	0.250	£23.84	£19.04
H40-63	63	2.227	2.277	0.750	0.250	£24.22	£19.36
H40-64	64	2.263	2.313	0.750	0.250	£24.26	£19.46
H40-66	66	2.333	2.383	0.750	0.250	£24.37	£19.54
H40-68	68	2.404	2.454	0.750	0.250	£24.45	£19.59
H40-70	70	2.475	2.525	0.750	0.250	£24.77	£19.77
H40-75	75	2.652	2.702	0.750	0.250	£25.66	£21.65
H40-76	76	2.687	2.737	0.750	0.250	£25.69	£22.78
H40-80	80	2.828	2.878	0.750	0.250	£26.86	£24.22
H40-86	86	3.041	3.091	0.750	0.312	£28.48	£25.59
H40-88	88	3.111	3.161	0.750	0.312	£28.57	£25.62
H40-90	90	3.182	3.232	0.750	0.312	£30.55	£27.21
H40-96	96	3.394	3.444	0.750	0.312	£33.41	£29.52
H40-100	100	3.536	3.586	0.750	0.375	£35.67	£31.26
H40-112	112	3.960	4.010	0.750	0.375	£42.20	£33.64
H40-120	120	4.243	4.293	0.750	0.375	£42.24	£33.76

'Never Knowingly Outpriced'

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



Crossed Helical Gears Materials

Plastic Crossed Axis @ 90°

40 DP

45° H.A.
20° P.A.

STD : White Delrin
(fully machined)

SPECIAL TEETH : between 9 - 118

SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 0.06



RH 45°



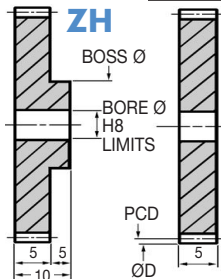
LH available on request.

RH 45°

RH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



ZPH

RH helix is standard.
LH = price + 33%.

DISCOUNTS

Quantity	Discount
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	ZH	ZPH
ZH40-9	9	0.318	0.368	0.368	3	£6.04	£4.21	
ZH40-10	10	0.354	0.404	0.404	3	£6.06	£4.22	
ZH40-11	11	0.389	0.439	0.439	3	£6.07	£4.24	
ZH40-12	12	0.424	0.474	0.474	3	£6.08	£4.27	
ZH40-13	13	0.460	0.510	0.510	3	£6.10	£4.38	
ZH40-14	14	0.495	0.545	0.545	3	£6.14	£4.54	
ZH40-15	15	0.530	0.580	0.580	3	£6.14	£4.56	
ZH40-16	16	0.566	0.616	0.616	3	£6.15	£4.57	
ZH40-17	17	0.601	0.651	0.651	3	£6.16	£4.61	
ZH40-18	18	0.636	0.686	0.551	4	£6.20	£4.75	
ZH40-19	19	0.672	0.722	0.551	4	£6.32	£4.79	
ZH40-20	20	0.707	0.757	0.551	4	£6.38	£4.83	
ZH40-21	21	0.742	0.792	0.551	4	£6.61	£5.06	
ZH40-22	22	0.778	0.828	0.551	4	£6.87	£5.25	
ZH40-23	23	0.813	0.863	0.551	4	£7.02	£5.33	
ZH40-24	24	0.849	0.899	0.551	4	£7.09	£5.48	
ZH40-25	25	0.884	0.934	0.551	4	£7.28	£5.54	
ZH40-26	26	0.919	0.969	0.551	4	£7.38	£5.67	
ZH40-27	27	0.955	1.005	0.551	4	£7.40	£5.72	
ZH40-28	28	0.990	1.040	0.551	4	£7.70	£5.85	
ZH40-29	29	1.025	1.075	0.551	4	£7.73	£5.90	
ZH40-30	30	1.061	1.111	0.551	4	£7.82	£6.04	
ZH40-31	31	1.096	1.146	0.551	4	£7.94	£6.06	

Helical Gears Crossed Axis Plastic DP 40

25.48



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	
						ZH	ZPH
ZH40-32	32	1.131	1.181	0.551	4	£8.88	£6.77
ZH40-33	33	1.167	1.217	0.551	4	£8.93	£6.87
ZH40-34	34	1.202	1.252	0.551	4	£8.96	£6.87
ZH40-35	35	1.237	1.287	0.551	4	£9.04	£6.95
ZH40-36	36	1.273	1.323	0.551	4	£9.15	£6.99
ZH40-37	37	1.308	1.358	0.551	4	£9.18	£7.02
ZH40-38	38	1.344	1.394	0.551	4	£9.26	£7.04
ZH40-39	39	1.379	1.429	0.629	5	£9.30	£7.09
ZH40-40	40	1.414	1.464	0.629	5	£9.32	£7.14
ZH40-41	41	1.450	1.500	0.629	5	£9.47	£7.27
ZH40-42	42	1.485	1.535	0.629	5	£9.60	£7.36
ZH40-43	43	1.520	1.570	0.629	5	£9.65	£7.38
ZH40-44	44	1.556	1.606	0.629	5	£11.12	£8.53
ZH40-45	45	1.591	1.641	0.629	5	£11.33	£8.62
ZH40-46	46	1.626	1.676	0.629	5	£11.47	£8.73
ZH40-47	47	1.662	1.712	0.629	5	£11.50	£8.81
ZH40-48	48	1.697	1.747	0.629	5	£11.51	£9.21
ZH40-49	49	1.732	1.782	0.629	5	£11.96	£9.77
ZH40-50	50	1.768	1.818	0.629	5	£12.75	£9.82
ZH40-51	51	1.803	1.853	0.629	5	£12.78	£9.94
ZH40-52	52	1.838	1.888	0.629	5	£12.79	£9.96
ZH40-53	53	1.874	1.924	0.629	5	£12.94	£10.01
ZH40-54	54	1.909	1.959	0.629	5	£13.03	£12.77
ZH40-55	55	1.945	1.995	0.629	5	£16.73	£12.78
ZH40-56	56	1.980	2.030	0.629	5	£17.18	£13.14
ZH40-57	57	2.015	2.065	0.629	5	£17.28	£13.27
ZH40-58	58	2.051	2.101	0.629	5	£17.43	£13.32
ZH40-59	59	2.086	2.136	0.629	5	£17.61	£13.48
ZH40-60	60	2.121	2.171	0.629	5	£17.80	£13.64
ZH40-61	61	2.157	2.207	0.629	5	£17.99	£13.78
ZH40-62	62	2.192	2.242	0.629	5	£18.37	£14.05
ZH40-63	63	2.227	2.277	0.629	5	£18.47	£14.13
ZH40-64	64	2.263	2.313	0.629	5	£20.55	£15.38
ZH40-66	66	2.333	2.383	0.629	5	£20.91	£16.04
ZH40-68	68	2.404	2.454	0.629	5	£21.24	£16.25
ZH40-70	70	2.475	2.525	0.629	6	£22.00	£16.85
ZH40-75	75	2.652	2.702	0.629	6	£22.05	£16.92
ZH40-76	76	2.687	2.737	0.787	8	£24.39	£18.69
ZH40-80	80	2.828	2.878	0.787	8	£25.93	£19.81
ZH40-86	86	3.041	3.091	0.787	8	£25.95	£19.85
ZH40-88	88	3.111	3.161	0.787	8	£27.75	£21.27
ZH40-90	90	3.182	3.232	0.787	8	£30.34	£23.26
ZH40-96	96	3.394	3.444	0.787	8	£35.97	£27.62
ZH40-100	100	3.536	3.586	0.787	8	£46.83	£35.91
ZH40-112	112	3.960	4.010	0.787	8	£46.86	£35.96

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

