

Crossed Helical Gears Materials

Steel Crossed Axis @ 90° STD : Steel 214M15/045M10

2.5 MOD 45° H.A. ALTERNATIVE : Brass, Tufnol or Delrin
20° P.A. SPECIALS : up to Ø750 mm



TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol	
variations at back	TORQUE Nm.	9.715	63.840	4.857	3.470
	K.W.	1.018	6.690	0.508	0.363

RH 45°

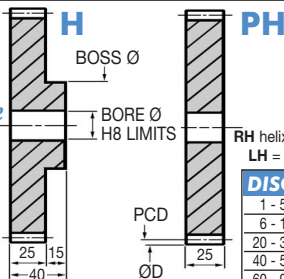


LH available
on request.

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 (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)	PRICE EACH 1 - 5		
							H	PH	
H2.5-9	9	35.36	40.36	28	15	0.204	0.154	£24.10	£16.22
H2.5-10	10	35.36	40.36	28	15	0.204	0.154	£26.80	£19.04
H2.5-11	11	38.89	43.89	30	15	0.254	0.193	£28.39	£20.87
H2.5-12	12	42.43	47.43	30	15	0.298	0.237	£28.95	£20.92
H2.5-13	13	45.96	50.96	30	15	0.344	0.284	£30.79	£23.42
H2.5-14	14	49.50	54.50	40	20	0.416	0.308	£31.91	£24.45
H2.5-15	15	53.03	58.03	40	20	0.471	0.362	£33.86	£26.32
H2.5-16	16	56.57	61.57	40	20	0.529	0.421	£34.72	£27.21
H2.5-17	17	60.10	65.10	40	20	0.591	0.483	£37.67	£28.13
H2.5-18	18	63.64	68.64	50	20	0.738	0.548	£39.58	£30.00
H2.5-19	19	67.18	72.18	50	20	0.807	0.618	£40.42	£30.79
H2.5-20	20	70.71	75.71	50	20	0.880	0.691	£42.81	£32.78
H2.5-21	21	74.25	79.25	50	20	0.958	0.768	£44.29	£33.72
H2.5-22	22	77.78	82.78	50	20	1.038	0.849	£46.96	£37.21
H2.5-23	23	81.32	86.32	50	20	1.123	0.933	£47.51	£38.40
H2.5-24	24	84.85	89.85	50	20	1.211	1.022	£48.65	£40.68
H2.5-25	25	88.39	93.39	50	20	1.303	1.114	£52.47	£44.16
H2.5-26	26	91.92	96.92	50	20	1.399	1.209	£53.17	£45.21
H2.5-27	27	95.46	100.46	50	20	1.498	1.309	£55.49	£47.01
H2.5-28	28	98.99	103.99	50	20	1.602	1.412	£56.84	£47.66
H2.5-29	29	102.53	107.53	50	20	1.709	1.519	£60.44	£49.24
H2.5-30	30	106.07	111.07	50	20	1.820	1.630	£61.22	£51.93
H2.5-31	31	109.60	114.60	50	20	1.934	1.745	£62.64	£52.82

Helical Gears Crossed Axis Steel MOD 2.5

25.30



Unit 14, Foxwood Ind. Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						H	PH	H	PH
H2.5-32	32	113.14	118.14	50	20	2.053	1.863	£65.57	£55.26
H2.5-33	33	116.67	121.67	50	20	2.174	1.985	£67.37	£56.12
H2.5-34	34	120.21	125.21	50	20	2.300	2.111	£69.75	£57.66
H2.5-35	35	123.74	128.74	50	20	2.430	2.240	£70.73	£60.98
H2.5-36	36	127.28	132.28	50	20	2.563	2.374	£71.47	£61.80
H2.5-37	37	130.81	135.81	50	20	2.700	2.511	£79.19	£63.49
H2.5-38	38	134.35	139.35	50	20	2.841	2.652	£80.59	£64.34
H2.5-39	39	137.89	142.89	50	20	2.986	2.797	£83.29	£68.15
H2.5-40	40	141.42	146.42	50	20	3.134	2.945	£84.49	£68.84
H2.5-41	41	144.96	149.96	50	20	3.286	3.097	£84.50	£69.42
H2.5-42	42	148.49	153.49	50	20	3.442	3.253	£85.85	£70.88
H2.5-43	43	152.03	157.03	50	20	3.602	3.413	£85.88	£75.89
H2.5-44	44	155.56	160.56	50	20	3.765	3.576	£97.24	£80.22
H2.5-45	45	159.10	164.10	50	20	3.932	3.743	£109.67	£81.33
H2.5-46	46	162.63	167.63	50	20	4.103	3.914	£109.77	£84.80
H2.5-47	47	166.17	171.17	50	20	4.278	4.089	£129.36	£93.12
H2.5-48	48	169.71	174.71	50	20	4.457	4.267	£135.07	£94.14
H2.5-49	49	173.24	178.24	50	20	4.639	4.449	£143.20	£98.71
H2.5-50	50	176.78	181.78	50	20	4.825	4.635	£151.98	£100.62
H2.5-51	51	180.31	185.31	50	20	5.014	4.825	£167.15	£105.11
H2.5-52	52	183.85	188.85	50	20	5.208	5.018	£173.76	£109.60
H2.5-53	53	187.38	192.38	50	20	5.405	5.215	£180.41	£112.60
H2.5-54	54	190.92	195.92	50	20	5.606	5.417	£190.35	£128.98
H2.5-55	55	194.45	199.45	50	20	5.810	5.621	£190.43	£132.29
H2.5-56	56	197.99	202.99	50	20	6.019	5.830	£193.82	£138.65
H2.5-57	57	201.53	206.53	50	20	6.232	6.042	£194.23	£158.00
H2.5-58	58	205.06	210.06	50	20	6.447	6.258	£196.03	£161.11
H2.5-59	59	208.60	213.60	50	20	6.667	6.478	£196.46	£166.13
H2.5-60	60	212.13	217.13	50	20	6.890	6.701	£197.53	£172.85
H2.5-62	62	219.20	224.20	50	20	7.349	7.159	£216.05	£195.08
H2.5-64	64	226.27	231.27	50	20	7.822	7.632	£229.54	£198.57
H2.5-65	65	229.81	234.81	50	20	8.064	7.875	£231.19	£203.45
H2.5-66	66	233.35	238.35	50	20	8.311	8.121	£232.60	£205.57
H2.5-68	68	240.42	245.42	50	20	8.814	8.625	£245.96	£210.82
H2.5-70	70	247.49	252.49	50	20	9.332	9.143	£276.00	£222.99
H2.5-71	71	251.02	256.02	50	20	9.597	9.407	£286.56	£231.14
H2.5-72	72	254.56	259.56	50	20	9.866	9.676	£291.68	£239.55
H2.5-73	73	258.09	263.09	50	20	10.137	9.948	£296.09	£244.21
H2.5-74	74	261.63	266.63	50	20	10.414	10.225	£299.42	£248.36
H2.5-75	75	265.17	270.17	50	20	10.694	10.505	£312.95	£252.40
H2.5-76	76	268.70	273.70	50	20	10.977	10.788	£317.80	£256.01
H2.5-78	78	275.77	280.77	50	20	11.556	11.366	£342.19	£260.43
H2.5-80	80	282.84	287.84	50	20	12.149	11.960	£346.16	£279.37
H2.5-86	86	304.06	309.06	50	20	14.020	13.831	£366.53	£296.68
H2.5-90	90	318.20	323.20	50	20	15.342	15.153	£395.90	£319.53
H2.5-96	96	339.41	344.41	50	20	17.438	17.249	£421.62	£340.20
H2.5-98	98	346.48	351.48	50	20	18.166	17.977	£437.15	£355.77
H2.5-100	100	353.55	358.55	50	20	18.910	18.721	£450.01	£365.57

Up to Ø750 mm

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°

2.5 MOD

45° H.A.

20° P.A.

STD : White Delrin
(fully machined)

SPECIALS : up to Ø750 mm



RH 45°



LH available
on request.

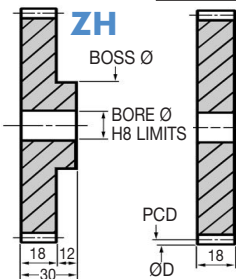
RH 45°

RH runs with RH
Popular sizes in stock.

Any two part numbers of this pitch will run together.

SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 3.00



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 (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)	PRICE EACH 1 - 5		
							ZH	ZPH	
ZH2.5-9	9	35.36	40.36	30	12	0.0315	0.0223	£13.32	£10.19
ZH2.5-10	10	35.36	40.36	30	12	0.0315	0.0223	£14.78	£11.35
ZH2.5-11	11	38.89	43.89	30	12	0.0368	0.0276	£15.71	£12.06
ZH2.5-12	12	42.43	47.43	30	12	0.0426	0.0335	£18.18	£13.95
ZH2.5-13	13	45.96	50.96	36	12	0.0537	0.0398	£19.40	£14.83
ZH2.5-14	14	49.50	54.50	36	12	0.0605	0.0466	£20.08	£15.38
ZH2.5-15	15	53.03	58.03	36	12	0.0679	0.0539	£25.60	£19.60
ZH2.5-16	16	56.57	61.57	36	12	0.0757	0.0617	£26.24	£20.11
ZH2.5-17	17	60.10	65.10	36	12	0.0840	0.0701	£32.27	£24.73
ZH2.5-18	18	63.64	68.64	36	12	0.0929	0.0789	£33.91	£25.97
ZH2.5-19	19	67.18	72.18	36	12	0.1022	0.0883	£34.61	£26.55
ZH2.5-20	20	70.71	75.71	45	15	0.1183	0.0965	£36.69	£28.14
ZH2.5-21	21	74.25	79.25	45	15	0.1286	0.1068	£37.98	£29.10
ZH2.5-22	22	77.78	82.78	45	15	0.1395	0.1177	£42.60	£32.70
ZH2.5-23	23	81.32	86.32	45	15	0.1509	0.1290	£43.13	£33.07
ZH2.5-24	24	84.85	89.85	45	15	0.1627	0.1409	£44.16	£33.88
ZH2.5-25	25	88.39	93.39	45	15	0.1751	0.1533	£47.64	£36.55
ZH2.5-26	26	91.92	96.92	50	17	0.1916	0.1648	£53.67	£41.15
ZH2.5-27	27	95.46	100.46	50	17	0.2050	0.1782	£56.00	£42.92
ZH2.5-28	28	98.99	103.99	50	17	0.2189	0.1921	£57.30	£43.98
ZH2.5-29	29	102.53	107.53	50	17	0.2333	0.2065	£67.10	£51.45
ZH2.5-30	30	106.07	111.07	50	17	0.2482	0.2214	£68.04	£52.12
ZH2.5-31	31	109.60	114.60	50	17	0.2636	0.2368	£69.53	£53.38

Helical Gears Crossed Axis Plastic MOD 2.5

25.32



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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZH	ZPH	ZH	ZPH
ZH2.5-32	32	113.14	118.14	50	17	0.2795	0.2527	£72.78	£55.85
ZH2.5-33	33	116.67	121.67	50	17	0.2959	0.2691	£74.74	£57.35
ZH2.5-34	34	120.21	125.21	50	17	0.3129	0.2861	£84.49	£64.83
ZH2.5-35	35	123.74	128.74	50	17	0.3303	0.3035	£85.67	£65.73
ZH2.5-36	36	127.28	132.28	50	17	0.3482	0.3214	£86.53	£66.43
ZH2.5-37	37	130.81	135.81	50	17	0.3666	0.3398	£95.92	£73.53
ZH2.5-38	38	134.35	139.35	50	17	0.3856	0.3588	£97.58	£74.85
ZH2.5-39	39	137.89	142.89	50	17	0.4050	0.3782	£109.32	£83.81
ZH2.5-40	40	141.42	146.42	65	20	0.4423	0.3959	£110.90	£85.09
ZH2.5-41	41	144.96	149.96	65	20	0.4627	0.4164	£111.62	£86.19
ZH2.5-42	42	148.49	153.49	65	20	0.4837	0.4373	£112.71	£86.45
ZH2.5-43	43	152.03	157.03	65	20	0.5052	0.4588	£127.56	£97.86
ZH2.5-44	44	155.56	160.56	65	20	0.5271	0.4807	£165.24	£126.77
ZH2.5-45	45	159.10	164.10	65	20	0.5496	0.5032	£166.16	£127.48
ZH2.5-46	46	162.63	167.63	65	20	0.5725	0.5262	£195.79	£150.27
ZH2.5-47	47	166.17	171.17	65	20	0.5961	0.5497	£202.58	£156.90
ZH2.5-48	48	169.71	174.71	65	20	0.6201	0.5737	£204.41	£166.36
ZH2.5-49	49	173.24	178.24	65	20	0.6445	0.5982	£216.79	£176.53
ZH2.5-50	50	176.78	181.78	65	20	0.6696	0.6232	£230.08	£184.09
ZH2.5-51	51	180.31	185.31	65	20	0.6950	0.6487	£253.04	£201.82
ZH2.5-52	52	183.85	188.85	65	20	0.7211	0.6747	£263.04	£209.53
ZH2.5-53	53	187.38	192.38	65	20	0.7475	0.7012	£273.10	£213.71
ZH2.5-54	54	190.92	195.92	65	20	0.7746	0.7282	£284.77	£217.94
ZH2.5-55	55	194.45	199.45	65	20	0.8021	0.7557	£288.28	£221.18

Up to Ø750 mm

'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.

