

# Crossed Helical Gears Materials

**Steel Crossed Axis @ 90°** STD : Steel 214M15/045M10  
**45° H.A.** ALTERNATIVE : Brass, Tufnol or Delrin  
**20° P.A.** SPECIALS : up to Ø750 mm



**RH 45°**

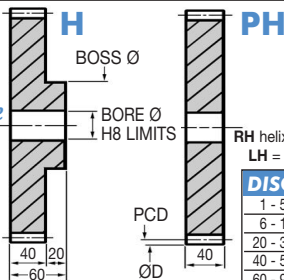
LH available on request.

**RH 45°**

**RH runs with RH**  
 Popular sizes in stock.

Any two part numbers of this pitch will run together.

TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol	
variations at back	<b>TORQUE Nm.</b>	36.076	237.070	18.038	12.884
	<b>K.W.</b>	3.781	24.844	1.890	1.350



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	
H4-9	9	56.57	64.57	45	25	0.787	0.619	£43.18	£34.77
H4-10	10	56.57	64.57	45	25	0.787	0.619	£54.40	£42.27
H4-11	11	62.23	70.23	50	25	1.006	0.781	£58.18	£45.51
H4-12	12	67.88	75.88	50	25	1.183	0.957	£61.29	£53.85
H4-13	13	73.54	81.54	50	25	1.375	1.150	£66.83	£59.50
H4-14	14	79.20	87.20	50	25	1.583	1.358	£69.21	£60.31
H4-15	15	84.85	92.85	50	25	1.806	1.581	£76.33	£66.85
H4-16	16	90.51	98.51	80	30	2.414	1.753	£77.84	£73.39
H4-17	17	96.17	104.17	80	30	2.668	2.007	£82.58	£77.37
H4-18	18	101.82	109.82	80	30	2.937	2.276	£85.88	£80.49
H4-19	19	107.48	115.48	80	30	3.222	2.561	£89.72	£84.95
H4-20	20	113.14	121.14	80	30	3.522	2.861	£96.38	£88.78
H4-21	21	118.79	126.79	80	30	3.837	3.176	£99.91	£99.36
H4-22	22	124.45	132.45	80	30	4.168	3.507	£112.63	£104.99
H4-23	23	130.11	138.11	80	30	4.514	3.853	£119.33	£108.47
H4-24	24	135.76	143.76	80	30	4.875	4.214	£128.87	£114.58
H4-25	25	141.42	149.42	80	30	5.253	4.592	£147.98	£120.19
H4-26	26	147.08	155.08	80	30	5.645	4.984	£156.90	£129.04
H4-27	27	152.74	160.74	80	30	6.053	5.392	£168.18	£132.84
H4-28	28	158.39	166.39	80	30	6.476	5.815	£173.81	£139.31
H4-29	29	164.05	172.05	80	30	6.914	6.253	£196.74	£145.36
H4-30	30	169.71	177.71	80	30	7.369	6.708	£200.06	£150.46
H4-31	31	175.36	183.36	80	30	7.837	7.176	£203.45	£157.92

Helical Gears Crossed Axis Steel MOD 4

**25.38**



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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
H4-32	32	181.02	189.02	80	30	8.322	7.661	£209.15	£164.80
H4-33	33	186.68	194.68	80	30	8.823	8.161	£211.52	£176.66
H4-34	34	192.33	200.33	80	30	9.337	8.676	£218.67	£185.69
H4-35	35	197.99	205.99	80	30	9.868	9.207	£223.48	£190.78
H4-36	36	203.65	211.65	80	30	10.415	9.754	£228.94	£213.46
H4-37	37	209.30	217.30	80	30	10.976	10.315	£240.94	£224.32
H4-38	38	214.96	222.96	80	30	11.553	10.892	£250.80	£240.22
H4-39	39	220.62	228.62	80	30	12.146	11.485	£288.39	£249.12
H4-40	40	226.27	234.27	80	30	12.753	12.092	£295.03	£258.76
H4-41	41	231.93	239.93	80	30	13.376	12.715	£298.89	£266.04
H4-42	42	237.59	245.59	80	30	14.015	13.354	£318.95	£322.38
H4-43	43	243.24	251.24	80	30	14.668	14.007	£386.32	£326.46
H4-44	44	248.90	256.90	80	30	15.338	14.677	£398.85	£353.34
H4-45	45	254.56	262.56	80	30	16.023	15.362	£405.19	£365.37
H4-46	46	260.22	268.22	80	30	16.723	16.062	£436.66	£376.27
H4-47	47	265.87	273.87	80	30	17.438	16.777	£452.19	£384.38
H4-48	48	271.53	279.53	80	30	18.169	17.508	£465.59	£395.52
H4-49	49	277.19	285.19	80	30	18.916	18.255	£487.84	£408.68
H4-50	50	282.84	290.84	80	30	19.676	19.015	£515.71	£425.40
H4-51	51	288.50	296.50	80	30	20.454	19.793	£545.84	£443.30
H4-52	52	294.16	302.16	80	30	21.247	20.585	£584.81	£448.92
H4-53	53	299.81	307.81	80	30	22.053	21.392	£617.32	£456.52
H4-54	54	305.47	313.47	80	30	22.877	22.216	£636.86	£475.40
H4-55	55	311.13	319.13	80	30	23.716	23.055	£672.57	£486.56
H4-56	56	316.78	324.78	80	30	24.569	23.908	£711.58	£495.75
H4-57	57	322.44	330.44	80	30	25.439	24.777	£747.28	£509.10
H4-58	58	328.10	336.10	80	30	26.324	25.663	£779.81	£514.64
H4-59	59	333.75	341.75	80	30	27.223	26.562	£802.56	£522.95
H4-60	60	339.41	347.41	80	30	28.139	27.478	£812.29	£539.74

**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.*

