

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

3 MOD

17°45'H.A.

20° P.A.

ALTERNATIVE : Brass, Tufnol or Delrin

SPECIALS : up to Ø750 mm

TORQUE CHECK 50 teeth x 1000 rpm	214M15 303S21	214M15 Cse/HD	Brass	Tufnol	
variations at back	TORQUE Nm.	114.23	451.91	57.12	40.80
	K.W.	11.98	47.36	5.98	4.27



RH 17°45'

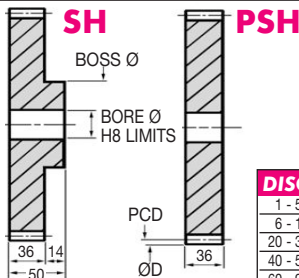


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

1 - 5	List Price
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	
						SH	PSH	SH	PSH
SH3-9	9	31.50	37.50	30	15	0.223	0.166	£24.65	£18.02
SH3-10	10	31.50	37.50	30	15	0.223	0.166	£24.66	£18.03
SH3-11	11	34.65	40.65	30	15	0.268	0.211	£24.68	£18.05
SH3-12	12	37.80	43.80	30	20	0.265	0.223	£24.70	£18.06
SH3-13	13	40.95	46.95	30	20	0.318	0.276	£25.59	£20.77
SH3-14	14	44.10	50.10	30	20	0.376	0.334	£26.68	£23.47
SH3-15	15	47.25	53.25	30	20	0.439	0.396	£27.48	£25.54
SH3-16	16	50.40	56.40	40	20	0.564	0.463	£29.22	£27.62
SH3-17	17	53.55	59.55	40	20	0.635	0.534	£30.84	£28.62
SH3-18	18	56.70	62.70	40	20	0.710	0.609	£32.48	£29.66
SH3-19	19	59.85	65.85	40	20	0.789	0.688	£33.69	£30.72
SH3-20	20	63.00	69.00	50	25	0.881	0.724	£34.76	£31.72
SH3-21	21	66.15	72.15	50	25	0.969	0.812	£35.94	£32.70
SH3-22	22	69.30	75.30	50	25	1.062	0.904	£37.19	£33.61
SH3-23	23	72.45	78.45	50	25	1.158	1.000	£38.33	£34.59
SH3-24	24	75.60	81.60	50	25	1.259	1.101	£39.45	£35.51
SH3-25	25	78.75	84.75	50	25	1.364	1.207	£41.80	£37.37
SH3-26	26	81.90	87.90	50	25	1.474	1.316	£44.11	£39.21
SH3-27	27	85.05	91.05	50	25	1.588	1.430	£45.22	£41.45
SH3-28	28	88.20	94.20	50	25	1.706	1.548	£46.55	£43.71
SH3-29	29	91.35	97.35	50	25	1.828	1.670	£48.39	£44.39
SH3-30	30	94.50	100.50	50	25	1.955	1.797	£50.14	£45.08
SH3-31	31	97.65	103.65	50	25	2.086	1.928	£51.88	£47.05

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PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						SH	PSH	SH	PSH
SH3-32	32	100.80	106.80	50	25	2.221	2.063	£53.80	£47.69
SH3-33	33	103.95	109.95	50	25	2.360	2.203	£56.70	£50.97
SH3-34	34	107.10	113.10	50	25	2.504	2.347	£57.81	£52.92
SH3-35	35	110.25	116.25	60	25	2.745	2.495	£62.32	£56.79
SH3-36	36	113.40	119.40	60	25	2.897	2.647	£64.72	£61.54
SH3-37	37	116.55	122.55	60	25	3.054	2.804	£65.96	£62.71
SH3-38	38	119.70	125.70	60	25	3.215	2.965	£66.91	£63.87
SH3-39	39	122.85	128.85	60	25	3.380	3.130	£67.79	£65.03
SH3-40	40	126.00	132.00	60	25	3.550	3.300	£68.75	£66.21
SH3-41	41	129.15	135.15	60	25	3.724	3.474	£69.95	£67.35
SH3-42	42	132.30	138.30	60	25	3.902	3.652	£70.82	£68.58
SH3-43	43	135.45	141.45	60	25	4.085	3.834	£77.19	£69.73
SH3-44	44	138.60	144.60	60	25	4.271	4.021	£86.60	£73.62
SH3-45	45	141.75	147.75	60	25	4.462	4.212	£101.63	£77.56
SH3-46	46	144.90	150.90	60	25	4.658	4.407	£102.49	£78.74
SH3-47	47	148.05	154.05	60	25	4.857	4.607	£103.29	£79.92
SH3-48	48	151.20	157.20	60	25	5.061	4.811	£104.42	£81.07
SH3-49	49	154.35	160.35	60	25	5.270	5.019	£108.44	£83.45
SH3-50	50	157.50	163.50	60	25	5.482	5.232	£112.48	£85.83
SH3-51	51	160.65	166.65	60	25	5.699	5.449	£116.46	£89.71
SH3-52	52	163.80	169.80	60	25	5.920	5.670	£120.49	£99.14
SH3-53	53	166.95	172.95	60	25	6.146	5.895	£124.52	£105.85
SH3-54	54	170.10	176.10	60	25	6.375	6.125	£128.27	£106.68
SH3-55	55	173.25	179.25	60	25	6.609	6.359	£134.37	£106.81
SH3-56	56	176.40	182.40	60	25	6.848	6.597	£136.54	£107.94
SH3-57	57	179.55	185.55	60	25	7.090	6.840	£138.69	£109.29
SH3-58	58	182.70	188.70	60	25	7.337	7.087	£140.85	£112.04
SH3-59	59	185.85	191.85	60	25	7.588	7.338	£144.90	£112.12
SH3-60	60	189.00	195.00	60	25	7.844	7.593	£148.95	£112.16
SH3-61	61	192.15	198.15	60	25	8.103	7.853	£153.04	£121.80
SH3-62	62	195.30	201.30	60	25	8.368	8.117	£157.06	£128.66
SH3-63	63	198.45	204.45	60	25	8.636	8.386	£161.11	£132.77
SH3-64	64	201.60	207.60	60	25	8.909	8.658	£164.75	£137.26
SH3-65	65	204.75	210.75	60	25	9.185	8.935	£165.68	£138.05
SH3-68	68	214.20	220.20	60	25	10.042	9.792	£177.43	£147.85
SH3-70	70	220.50	226.50	60	25	10.635	10.384	£191.65	£159.73
SH3-72	72	226.80	232.80	60	25	11.244	10.994	£197.84	£164.89
SH3-75	75	236.25	242.25	60	25	12.191	11.941	£213.08	£177.51
SH3-76	76	239.40	245.40	60	25	12.515	12.265	£214.79	£178.98
SH3-78	78	245.70	251.70	60	25	13.176	12.926	£226.20	£188.53
SH3-80	80	252.00	258.00	60	25	13.855	13.605	£237.72	£198.09
SH3-82	82	258.30	264.30	60	25	14.550	14.300	£250.90	£209.11
SH3-84	84	264.60	270.60	60	25	15.263	15.013	£262.91	£219.09
SH3-86	86	270.90	276.90	60	25	15.993	15.743	£284.11	£236.74
SH3-88	88	277.20	283.20	60	25	16.740	16.490	£301.69	£251.33
SH3-90	90	283.50	289.50	60	25	17.504	17.254	£312.89	£260.70
SH3-92	92	289.80	295.80	60	25	18.286	18.036	£322.64	£268.83
SH3-94	94	296.10	302.10	60	25	19.084	18.834	£343.73	£286.44
SH3-95	95	299.25	305.25	60	25	19.490	19.240	£357.66	£298.04
SH3-96	96	302.40	308.40	60	25	19.900	19.650	£370.22	£308.52

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.



Helical Gears

Materials

Plastic - Parallel Axis

17° 45' H.A.

3 MOD

20° P.A.

STD : White Delrin
(fully machined)

SPECIALS : up to Ø750 mm



SPECIALS
ON DEMAND

TORQUE CHECK	
50 teeth x 1000 rpm	
variations at back	TORQUE Nm. 20

RH 17°45'

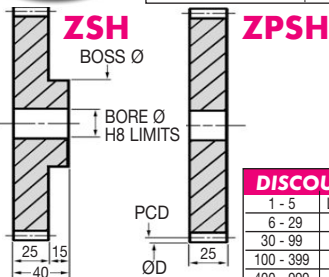


LH 17°45'

RH runs with LH

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 (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH3-9	9	31.50	37.50	36	12	0.202	0.127	£13.65	£10.48
ZSH3-10	10	31.50	37.50	36	12	0.202	0.127	£13.67	£10.50
ZSH3-11	11	34.65	40.65	36	12	0.253	0.159	£13.68	£10.51
ZSH3-12	12	37.80	43.80	36	15	0.288	0.181	£13.69	£10.52
ZSH3-13	13	40.95	46.95	36	15	0.347	0.218	£16.11	£12.32
ZSH3-14	14	44.10	50.10	36	15	0.411	0.258	£16.80	£12.87
ZSH3-15	15	47.25	53.25	40	15	0.481	0.302	£17.28	£13.29
ZSH3-16	16	50.40	56.40	40	15	0.555	0.348	£22.12	£16.95
ZSH3-17	17	53.55	59.55	40	15	0.633	0.397	£23.33	£17.87
ZSH3-18	18	56.70	62.70	40	15	0.716	0.449	£24.57	£18.84
ZSH3-19	19	59.85	65.85	40	15	0.804	0.504	£25.47	£19.57
ZSH3-20	20	63.00	69.00	40	15	0.898	0.563	£29.82	£22.82
ZSH3-21	21	66.15	72.15	40	15	0.995	0.624	£30.82	£23.65
ZSH3-22	22	69.30	75.30	40	15	1.097	0.688	£31.89	£24.50
ZSH3-23	23	72.45	78.45	40	15	1.204	0.755	£32.85	£25.18
ZSH3-24	24	75.60	81.60	40	15	1.286	0.825	£35.79	£27.48
ZSH3-25	25	78.75	84.75	40	15	1.300	0.898	£37.94	£29.12
ZSH3-26	26	81.90	87.90	50	20	1.361	0.948	£40.06	£30.73
ZSH3-27	27	85.05	91.05	50	20	1.388	1.027	£41.03	£31.46
ZSH3-28	28	88.20	94.20	50	20	1.416	1.109	£42.24	£33.86
ZSH3-29	29	91.35	97.35	50	20	1.443	1.194	£48.81	£37.44
ZSH3-30	30	94.50	100.50	50	20	1.471	1.282	£50.58	£38.82
ZSH3-31	31	97.65	103.65	50	20	1.562	1.373	£52.34	£40.16



PART NUMBER	TEETH	PCD (mm)	ØD (mm)	BOSS Ø (mm)	BORE Ø (mm)	WEIGHT (kg)		PRICE EACH 1 - 5	
						ZSH	ZPSH	ZSH	ZPSH
ZSH3-32	32	100.80	106.80	50	20	1.656	1.467	£54.30	£41.64
ZSH3-33	33	103.95	109.95	50	20	1.753	1.563	£57.20	£43.86
ZSH3-34	34	107.10	113.10	50	20	1.853	1.663	£64.22	£49.21
ZSH3-35	35	110.25	116.25	50	20	1.956	1.766	£69.16	£53.06
ZSH3-36	36	113.40	119.40	50	20	2.061	1.872	£71.84	£55.06
ZSH3-37	37	116.55	122.55	50	20	2.170	1.981	£79.91	£61.30
ZSH3-38	38	119.70	125.70	50	20	2.282	2.093	£81.03	£62.18
ZSH3-39	39	122.85	128.85	50	20	2.397	2.207	£82.07	£62.98
ZSH3-40	40	126.00	132.00	50	20	2.515	2.325	£83.29	£63.90
ZSH3-41	41	129.15	135.15	50	20	2.635	2.446	£84.69	£64.98
ZSH3-42	42	132.30	138.30	60	20	2.858	2.570	£85.75	£65.78
ZSH3-43	43	135.45	141.45	60	20	2.985	2.696	£93.46	£71.72
ZSH3-44	44	138.60	144.60	60	20	3.115	2.826	£101.24	£77.68
ZSH3-45	45	141.75	147.75	60	20	3.247	2.959	£123.05	£94.41
ZSH3-46	46	144.90	150.90	60	20	3.383	3.095	£134.44	£103.16
ZSH3-47	47	148.05	154.05	60	20	3.522	3.233	£135.49	£103.98
ZSH3-48	48	151.20	157.20	60	20	3.663	3.375	£136.97	£105.12
ZSH3-49	49	154.35	160.35	60	20	3.808	3.519	£140.65	£109.20
ZSH3-50	50	157.50	163.50	60	20	3.956	3.667	£170.32	£130.68
ZSH3-51	51	160.65	166.65	60	20	4.106	3.818	£176.26	£135.25
ZSH3-52	52	163.80	169.80	60	20	4.260	3.971	£182.40	£139.94
ZSH3-53	53	166.95	172.95	60	20	4.416	4.128	£188.53	£144.66
ZSH3-54	54	170.10	176.10	70	20	4.693	4.287	£194.18	£149.01
ZSH3-55	55	173.25	179.25	70	20	4.855	4.450	£203.37	£156.08
ZSH3-56	56	176.40	182.40	70	20	5.021	4.615	£206.65	£158.57
ZSH3-57	57	179.55	185.55	70	20	5.189	4.784	£210.25	£161.10
ZSH3-58	58	182.70	188.70	70	20	5.361	4.955	£213.23	£163.62
ZSH3-59	59	185.85	191.85	70	20	5.535	5.130	£219.31	£168.27
ZSH3-60	60	189.00	195.00	70	20	5.713	5.307	£225.46	£173.04

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.

