

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'

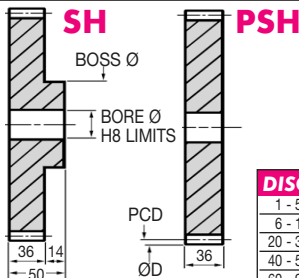


LH 17°45'

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	£25.88	£18.92
SH3-10	10	31.50	37.50	30	15	0.223	0.166	£25.89	£18.93
SH3-11	11	34.65	40.65	30	15	0.268	0.211	£25.91	£18.95
SH3-12	12	37.80	43.80	30	20	0.265	0.223	£25.93	£18.96
SH3-13	13	40.95	46.95	30	20	0.318	0.276	£26.87	£21.81
SH3-14	14	44.10	50.10	30	20	0.376	0.334	£28.01	£24.64
SH3-15	15	47.25	53.25	30	20	0.439	0.396	£28.85	£26.82
SH3-16	16	50.40	56.40	40	20	0.564	0.463	£30.68	£29.00
SH3-17	17	53.55	59.55	40	20	0.635	0.534	£32.38	£30.05
SH3-18	18	56.70	62.70	40	20	0.710	0.609	£34.10	£31.14
SH3-19	19	59.85	65.85	40	20	0.789	0.688	£35.37	£32.26
SH3-20	20	63.00	69.00	50	25	0.881	0.724	£36.50	£33.31
SH3-21	21	66.15	72.15	50	25	0.969	0.812	£37.74	£34.34
SH3-22	22	69.30	75.30	50	25	1.062	0.904	£39.05	£35.29
SH3-23	23	72.45	78.45	50	25	1.158	1.000	£40.25	£36.32
SH3-24	24	75.60	81.60	50	25	1.259	1.101	£41.42	£37.29
SH3-25	25	78.75	84.75	50	25	1.364	1.207	£43.89	£39.24
SH3-26	26	81.90	87.90	50	25	1.474	1.316	£46.32	£41.17
SH3-27	27	85.05	91.05	50	25	1.588	1.430	£47.48	£43.52
SH3-28	28	88.20	94.20	50	25	1.706	1.548	£48.88	£45.90
SH3-29	29	91.35	97.35	50	25	1.828	1.670	£50.81	£46.61
SH3-30	30	94.50	100.50	50	25	1.955	1.797	£52.65	£47.33
SH3-31	31	97.65	103.65	50	25	2.086	1.928	£54.47	£49.40

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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	£56.49	£50.07
SH3-33	33	103.95	109.95	50	25	2.360	2.203	£59.54	£53.52
SH3-34	34	107.10	113.10	50	25	2.504	2.347	£60.70	£55.57
SH3-35	35	110.25	116.25	60	25	2.745	2.495	£65.44	£59.63
SH3-36	36	113.40	119.40	60	25	2.897	2.647	£67.96	£64.62
SH3-37	37	116.55	122.55	60	25	3.054	2.804	£69.26	£65.85
SH3-38	38	119.70	125.70	60	25	3.215	2.965	£70.26	£67.06
SH3-39	39	122.85	128.85	60	25	3.380	3.130	£71.18	£68.28
SH3-40	40	126.00	132.00	60	25	3.550	3.300	£72.19	£69.52
SH3-41	41	129.15	135.15	60	25	3.724	3.474	£73.45	£70.72
SH3-42	42	132.30	138.30	60	25	3.902	3.652	£74.36	£72.01
SH3-43	43	135.45	141.45	60	25	4.085	3.834	£81.05	£73.22
SH3-44	44	138.60	144.60	60	25	4.271	4.021	£90.93	£77.30
SH3-45	45	141.75	147.75	60	25	4.462	4.212	£106.71	£81.44
SH3-46	46	144.90	150.90	60	25	4.658	4.407	£107.61	£82.68
SH3-47	47	148.05	154.05	60	25	4.857	4.607	£108.45	£83.92
SH3-48	48	151.20	157.20	60	25	5.061	4.811	£109.64	£85.12
SH3-49	49	154.35	160.35	60	25	5.270	5.019	£113.86	£87.62
SH3-50	50	157.50	163.50	60	25	5.482	5.232	£118.10	£90.12
SH3-51	51	160.65	166.65	60	25	5.699	5.449	£122.28	£94.20
SH3-52	52	163.80	169.80	60	25	5.920	5.670	£126.51	£104.10
SH3-53	53	166.95	172.95	60	25	6.146	5.895	£130.75	£111.14
SH3-54	54	170.10	176.10	60	25	6.375	6.125	£134.68	£112.01
SH3-55	55	173.25	179.25	60	25	6.609	6.359	£141.09	£112.15
SH3-56	56	176.40	182.40	60	25	6.848	6.597	£143.37	£113.34
SH3-57	57	179.55	185.55	60	25	7.090	6.840	£145.62	£114.75
SH3-58	58	182.70	188.70	60	25	7.337	7.087	£147.89	£117.64
SH3-59	59	185.85	191.85	60	25	7.588	7.338	£152.15	£117.73
SH3-60	60	189.00	195.00	60	25	7.844	7.593	£156.40	£117.77
SH3-61	61	192.15	198.15	60	25	8.103	7.853	£160.69	£127.89
SH3-62	62	195.30	201.30	60	25	8.368	8.117	£164.91	£135.09
SH3-63	63	198.45	204.45	60	25	8.636	8.386	£169.17	£139.41
SH3-64	64	201.60	207.60	60	25	8.909	8.658	£172.99	£144.12
SH3-65	65	204.75	210.75	60	25	9.185	8.935	£173.96	£144.95
SH3-68	68	214.20	220.20	60	25	10.042	9.792	£186.30	£155.24
SH3-70	70	220.50	226.50	60	25	10.635	10.384	£201.23	£167.72
SH3-72	72	226.80	232.80	60	25	11.244	10.994	£207.73	£173.13
SH3-75	75	236.25	242.25	60	25	12.191	11.941	£223.73	£186.39
SH3-76	76	239.40	245.40	60	25	12.515	12.265	£225.53	£187.93
SH3-78	78	245.70	251.70	60	25	13.176	12.926	£237.51	£197.96
SH3-80	80	252.00	258.00	60	25	13.855	13.605	£249.61	£207.99
SH3-82	82	258.30	264.30	60	25	14.550	14.300	£263.44	£219.57
SH3-84	84	264.60	270.60	60	25	15.263	15.013	£276.06	£230.04
SH3-86	86	270.90	276.90	60	25	15.993	15.743	£298.32	£248.58
SH3-88	88	277.20	283.20	60	25	16.740	16.490	£316.77	£263.90
SH3-90	90	283.50	289.50	60	25	17.504	17.254	£328.53	£273.74
SH3-92	92	289.80	295.80	60	25	18.286	18.036	£338.77	£282.27
SH3-94	94	296.10	302.10	60	25	19.084	18.834	£360.92	£300.76
SH3-95	95	299.25	305.25	60	25	19.490	19.240	£375.54	£312.94
SH3-96	96	302.40	308.40	60	25	19.900	19.650	£388.73	£323.95

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



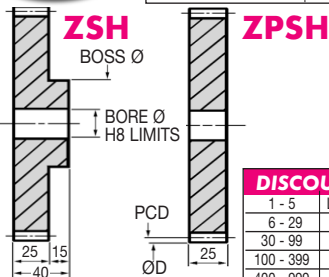
SPECIALS
ON DEMAND

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

RH 17° 45'



LH 17° 45'



DISCOUNTS

	List Price
1 - 5	
6 - 29	- 22%
30 - 99	- 44%
100 - 399	- 47%
400 - 999	- 50%
1000 - 5000	- 53%

RH runs with LH

Popular sizes in stock.

Any two part numbers of this pitch will run together.

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	£14.33	£11.00
ZSH3-10	10	31.50	37.50	36	12	0.202	0.127	£14.35	£11.03
ZSH3-11	11	34.65	40.65	36	12	0.253	0.159	£14.36	£11.04
ZSH3-12	12	37.80	43.80	36	15	0.288	0.181	£14.37	£11.05
ZSH3-13	13	40.95	46.95	36	15	0.347	0.218	£16.92	£12.94
ZSH3-14	14	44.10	50.10	36	15	0.411	0.258	£17.64	£13.51
ZSH3-15	15	47.25	53.25	40	15	0.481	0.302	£18.14	£13.95
ZSH3-16	16	50.40	56.40	40	15	0.555	0.348	£23.23	£17.80
ZSH3-17	17	53.55	59.55	40	15	0.633	0.397	£24.50	£18.76
ZSH3-18	18	56.70	62.70	40	15	0.716	0.449	£25.80	£19.78
ZSH3-19	19	59.85	65.85	40	15	0.804	0.504	£26.74	£20.55
ZSH3-20	20	63.00	69.00	40	15	0.898	0.563	£31.31	£23.96
ZSH3-21	21	66.15	72.15	40	15	0.995	0.624	£32.36	£24.83
ZSH3-22	22	69.30	75.30	40	15	1.097	0.688	£33.48	£25.73
ZSH3-23	23	72.45	78.45	40	15	1.204	0.755	£34.49	£26.44
ZSH3-24	24	75.60	81.60	40	15	1.286	0.825	£37.58	£28.85
ZSH3-25	25	78.75	84.75	40	15	1.300	0.898	£39.84	£30.58
ZSH3-26	26	81.90	87.90	50	20	1.361	0.948	£42.06	£32.27
ZSH3-27	27	85.05	91.05	50	20	1.388	1.027	£43.08	£33.03
ZSH3-28	28	88.20	94.20	50	20	1.416	1.109	£44.35	£35.55
ZSH3-29	29	91.35	97.35	50	20	1.443	1.194	£51.25	£39.31
ZSH3-30	30	94.50	100.50	50	20	1.471	1.282	£53.11	£40.76
ZSH3-31	31	97.65	103.65	50	20	1.562	1.373	£54.96	£42.17



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	£57.02	£43.72
ZSH3-33	33	103.95	109.95	50	20	1.753	1.563	£60.06	£46.05
ZSH3-34	34	107.10	113.10	50	20	1.853	1.663	£67.43	£51.67
ZSH3-35	35	110.25	116.25	50	20	1.956	1.766	£72.62	£55.71
ZSH3-36	36	113.40	119.40	50	20	2.061	1.872	£75.43	£57.81
ZSH3-37	37	116.55	122.55	50	20	2.170	1.981	£83.91	£64.36
ZSH3-38	38	119.70	125.70	50	20	2.282	2.093	£85.08	£65.29
ZSH3-39	39	122.85	128.85	50	20	2.397	2.207	£86.17	£66.13
ZSH3-40	40	126.00	132.00	50	20	2.515	2.325	£87.45	£67.09
ZSH3-41	41	129.15	135.15	50	20	2.635	2.446	£88.92	£68.23
ZSH3-42	42	132.30	138.30	60	20	2.858	2.570	£90.04	£69.07
ZSH3-43	43	135.45	141.45	60	20	2.985	2.696	£98.13	£75.31
ZSH3-44	44	138.60	144.60	60	20	3.115	2.826	£106.30	£81.56
ZSH3-45	45	141.75	147.75	60	20	3.247	2.959	£129.20	£99.13
ZSH3-46	46	144.90	150.90	60	20	3.383	3.095	£141.16	£108.32
ZSH3-47	47	148.05	154.05	60	20	3.522	3.233	£142.26	£109.18
ZSH3-48	48	151.20	157.20	60	20	3.663	3.375	£143.82	£110.38
ZSH3-49	49	154.35	160.35	60	20	3.808	3.519	£147.68	£114.66
ZSH3-50	50	157.50	163.50	60	20	3.956	3.667	£178.84	£137.21
ZSH3-51	51	160.65	166.65	60	20	4.106	3.818	£185.07	£142.01
ZSH3-52	52	163.80	169.80	60	20	4.260	3.971	£191.52	£146.94
ZSH3-53	53	166.95	172.95	60	20	4.416	4.128	£197.96	£151.89
ZSH3-54	54	170.10	176.10	70	20	4.693	4.287	£203.89	£156.46
ZSH3-55	55	173.25	179.25	70	20	4.855	4.450	£213.54	£163.88
ZSH3-56	56	176.40	182.40	70	20	5.021	4.615	£216.98	£166.50
ZSH3-57	57	179.55	185.55	70	20	5.189	4.784	£220.76	£169.16
ZSH3-58	58	182.70	188.70	70	20	5.361	4.955	£223.89	£171.80
ZSH3-59	59	185.85	191.85	70	20	5.535	5.130	£230.28	£176.68
ZSH3-60	60	189.00	195.00	70	20	5.713	5.307	£236.73	£181.69

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.

