

Helical Gears

Materials

Steel - Parallel Axis

STD : Steel 214M15/045M10

3 MOD

17°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.	114.23	451.91	57.12	40.80
	K.W.	11.98	47.36	5.98	4.27



RH 17°45'

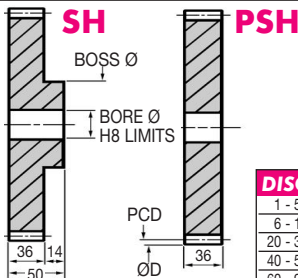


LH 17°45'

LH runs with RH

Popular sizes in stock.

Any two part numbers of this pitch will run together.



DISCOUNTS

Quantity	List Price
1 - 5	-
6 - 19	- 12%
20 - 39	- 25%
40 - 59	- 33%
60 - 99	- 37%
100 - 200	- 42%

Helical Gears Parallel Axis Steel MOD 3

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	£30.53	£22.30
SH3-10	10	31.50	37.50	30	15	0.223	0.166	£30.54	£22.31
SH3-11	11	34.65	40.65	30	15	0.268	0.211	£30.55	£22.33
SH3-12	12	37.80	43.80	30	20	0.265	0.223	£30.57	£22.36
SH3-13	13	40.95	46.95	30	20	0.318	0.276	£31.67	£25.69
SH3-14	14	44.10	50.10	30	20	0.376	0.334	£33.04	£29.05
SH3-15	15	47.25	53.25	30	20	0.439	0.396	£34.02	£31.61
SH3-16	16	50.40	56.40	40	20	0.564	0.463	£36.19	£34.19
SH3-17	17	53.55	59.55	40	20	0.635	0.534	£38.17	£35.45
SH3-18	18	56.70	62.70	40	20	0.710	0.609	£40.21	£36.73
SH3-19	19	59.85	65.85	40	20	0.789	0.688	£41.71	£38.04
SH3-20	20	63.00	69.00	50	25	0.881	0.724	£43.03	£39.27
SH3-21	21	66.15	72.15	50	25	0.969	0.812	£44.50	£40.48
SH3-22	22	69.30	75.30	50	25	1.062	0.904	£46.05	£41.63
SH3-23	23	72.45	78.45	50	25	1.158	1.000	£47.46	£42.81
SH3-24	24	75.60	81.60	50	25	1.259	1.101	£48.84	£43.97
SH3-25	25	78.75	84.75	50	25	1.364	1.207	£51.77	£46.27
SH3-26	26	81.90	87.90	50	25	1.474	1.316	£54.62	£48.55
SH3-27	27	85.05	91.05	50	25	1.588	1.430	£56.01	£51.34
SH3-28	28	88.20	94.20	50	25	1.706	1.548	£57.63	£54.13
SH3-29	29	91.35	97.35	50	25	1.828	1.670	£59.93	£54.97
SH3-30	30	94.50	100.50	50	25	1.955	1.797	£62.08	£55.82
SH3-31	31	97.65	103.65	50	25	2.086	1.928	£64.26	£58.28

24.36



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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	£66.63	£59.06
SH3-33	33	103.95	109.95	50	25	2.360	2.203	£70.23	£63.11
SH3-34	34	107.10	113.10	50	25	2.504	2.347	£71.60	£65.53
SH3-35	35	110.25	116.25	60	25	2.745	2.495	£77.18	£70.33
SH3-36	36	113.40	119.40	60	25	2.897	2.647	£80.16	£76.22
SH3-37	37	116.55	122.55	60	25	3.054	2.804	£81.69	£77.66
SH3-38	38	119.70	125.70	60	25	3.215	2.965	£82.86	£79.11
SH3-39	39	122.85	128.85	60	25	3.380	3.130	£83.94	£80.54
SH3-40	40	126.00	132.00	60	25	3.550	3.300	£85.14	£82.00
SH3-41	41	129.15	135.15	60	25	3.724	3.474	£86.63	£83.40
SH3-42	42	132.30	138.30	60	25	3.902	3.652	£87.72	£84.92
SH3-43	43	135.45	141.45	60	25	4.085	3.834	£95.59	£86.37
SH3-44	44	138.60	144.60	60	25	4.271	4.021	£107.26	£91.17
SH3-45	45	141.75	147.75	60	25	4.462	4.212	£125.88	£96.07
SH3-46	46	144.90	150.90	60	25	4.658	4.407	£126.95	£97.51
SH3-47	47	148.05	154.05	60	25	4.857	4.607	£127.93	£98.97
SH3-48	48	151.20	157.20	60	25	5.061	4.811	£129.34	£100.41
SH3-49	49	154.35	160.35	60	25	5.270	5.019	£134.32	£103.37
SH3-50	50	157.50	163.50	60	25	5.482	5.232	£139.31	£106.30
SH3-51	51	160.65	166.65	60	25	5.699	5.449	£144.24	£111.11
SH3-52	52	163.80	169.80	60	25	5.920	5.670	£149.23	£122.79
SH3-53	53	166.95	172.95	60	25	6.146	5.895	£154.22	£131.11
SH3-54	54	170.10	176.10	60	25	6.375	6.125	£158.87	£132.14
SH3-55	55	173.25	179.25	60	25	6.609	6.359	£166.42	£132.29
SH3-56	56	176.40	182.40	60	25	6.848	6.597	£169.12	£133.69
SH3-57	57	179.55	185.55	60	25	7.090	6.840	£171.79	£135.36
SH3-58	58	182.70	188.70	60	25	7.337	7.087	£174.45	£138.78
SH3-59	59	185.85	191.85	60	25	7.588	7.338	£179.48	£138.86
SH3-60	60	189.00	195.00	60	25	7.844	7.593	£184.49	£138.91
SH3-61	61	192.15	198.15	60	25	8.103	7.853	£189.56	£150.87
SH3-62	62	195.30	201.30	60	25	8.368	8.117	£194.53	£159.35
SH3-63	63	198.45	204.45	60	25	8.636	8.386	£199.56	£164.46
SH3-64	64	201.60	207.60	60	25	8.909	8.658	£204.05	£170.00
SH3-65	65	204.75	210.75	60	25	9.185	8.935	£205.21	£171.00
SH3-68	68	214.20	220.20	60	25	10.042	9.792	£219.77	£183.15
SH3-70	70	220.50	226.50	60	25	10.635	10.384	£237.39	£197.84
SH3-72	72	226.80	232.80	60	25	11.244	10.994	£245.06	£204.24
SH3-75	75	236.25	242.25	60	25	12.191	11.941	£263.93	£219.88
SH3-76	76	239.40	245.40	60	25	12.515	12.265	£266.04	£221.69
SH3-78	78	245.70	251.70	60	25	13.176	12.926	£280.20	£233.51
SH3-80	80	252.00	258.00	60	25	13.855	13.605	£294.47	£245.37
SH3-82	82	258.30	264.30	60	25	14.550	14.300	£310.78	£259.01
SH3-84	84	264.60	270.60	60	25	15.263	15.013	£325.66	£271.39
SH3-86	86	270.90	276.90	60	25	15.993	15.743	£351.92	£293.24
SH3-88	88	277.20	283.20	60	25	16.740	16.490	£373.69	£311.31
SH3-90	90	283.50	289.50	60	25	17.504	17.254	£387.57	£322.93
SH3-92	92	289.80	295.80	60	25	18.286	18.036	£399.66	£333.01
SH3-94	94	296.10	302.10	60	25	19.084	18.834	£425.77	£354.81
SH3-95	95	299.25	305.25	60	25	19.490	19.240	£443.04	£369.19
SH3-96	96	302.40	308.40	60	25	19.900	19.650	£458.59	£382.16

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

Plastic - Parallel Axis
 17° 45' H.A.
3 MOD 20° P.A.

Materials

STD : White Delrin
 (fully machined)

SPECIALS : up to Ø750 mm



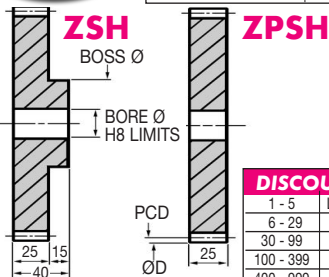
RH 17°45'



LH 17°45'

SPECIALS
 ON DEMAND

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



DISCOUNTS

	1 - 5	List Price
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	£16.90	£12.95
ZSH3-10	10	31.50	37.50	36	12	0.202	0.127	£16.92	£13.00
ZSH3-11	11	34.65	40.65	36	12	0.253	0.159	£16.93	£13.01
ZSH3-12	12	37.80	43.80	36	15	0.288	0.181	£16.94	£13.02
ZSH3-13	13	40.95	46.95	36	15	0.347	0.218	£19.93	£15.23
ZSH3-14	14	44.10	50.10	36	15	0.411	0.258	£20.81	£15.93
ZSH3-15	15	47.25	53.25	40	15	0.481	0.302	£21.39	£16.44
ZSH3-16	16	50.40	56.40	40	15	0.555	0.348	£27.39	£20.96
ZSH3-17	17	53.55	59.55	40	15	0.633	0.397	£28.89	£22.12
ZSH3-18	18	56.70	62.70	40	15	0.716	0.449	£30.41	£23.31
ZSH3-19	19	59.85	65.85	40	15	0.804	0.504	£31.54	£24.22
ZSH3-20	20	63.00	69.00	40	15	0.898	0.563	£36.93	£28.24
ZSH3-21	21	66.15	72.15	40	15	0.995	0.624	£38.15	£29.28
ZSH3-22	22	69.30	75.30	40	15	1.097	0.688	£39.47	£30.32
ZSH3-23	23	72.45	78.45	40	15	1.204	0.755	£40.68	£31.16
ZSH3-24	24	75.60	81.60	40	15	1.286	0.825	£44.31	£34.02
ZSH3-25	25	78.75	84.75	40	15	1.300	0.898	£46.97	£36.04
ZSH3-26	26	81.90	87.90	50	20	1.361	0.948	£49.60	£38.05
ZSH3-27	27	85.05	91.05	50	20	1.388	1.027	£50.82	£38.96
ZSH3-28	28	88.20	94.20	50	20	1.416	1.109	£52.31	£41.92
ZSH3-29	29	91.35	97.35	50	20	1.443	1.194	£60.45	£46.36
ZSH3-30	30	94.50	100.50	50	20	1.471	1.282	£62.62	£48.06
ZSH3-31	31	97.65	103.65	50	20	1.562	1.373	£64.82	£49.72

Helical Gears Parallel Axis Plastic MOD 3

24.38



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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	£67.25	£51.57
ZSH3-33	33	103.95	109.95	50	20	1.753	1.563	£70.85	£54.31
ZSH3-34	34	107.10	113.10	50	20	1.853	1.663	£79.53	£60.95
ZSH3-35	35	110.25	116.25	50	20	1.956	1.766	£85.66	£65.70
ZSH3-36	36	113.40	119.40	50	20	2.061	1.872	£88.99	£68.20
ZSH3-37	37	116.55	122.55	50	20	2.170	1.981	£98.96	£75.91
ZSH3-38	38	119.70	125.70	50	20	2.282	2.093	£100.35	£77.01
ZSH3-39	39	122.85	128.85	50	20	2.397	2.207	£101.63	£77.98
ZSH3-40	40	126.00	132.00	50	20	2.515	2.325	£103.15	£79.14
ZSH3-41	41	129.15	135.15	50	20	2.635	2.446	£104.90	£80.48
ZSH3-42	42	132.30	138.30	60	20	2.858	2.570	£106.21	£81.47
ZSH3-43	43	135.45	141.45	60	20	2.985	2.696	£115.76	£88.82
ZSH3-44	44	138.60	144.60	60	20	3.115	2.826	£125.40	£96.20
ZSH3-45	45	141.75	147.75	60	20	3.247	2.959	£152.40	£116.93
ZSH3-46	46	144.90	150.90	60	20	3.383	3.095	£166.53	£127.77
ZSH3-47	47	148.05	154.05	60	20	3.522	3.233	£167.83	£128.78
ZSH3-48	48	151.20	157.20	60	20	3.663	3.375	£169.66	£130.19
ZSH3-49	49	154.35	160.35	60	20	3.808	3.519	£174.21	£135.27
ZSH3-50	50	157.50	163.50	60	20	3.956	3.667	£210.97	£161.87
ZSH3-51	51	160.65	166.65	60	20	4.106	3.818	£218.33	£167.53
ZSH3-52	52	163.80	169.80	60	20	4.260	3.971	£225.92	£173.33
ZSH3-53	53	166.95	172.95	60	20	4.416	4.128	£233.51	£179.17
ZSH3-54	54	170.10	176.10	70	20	4.693	4.287	£240.51	£184.57
ZSH3-55	55	173.25	179.25	70	20	4.855	4.450	£251.91	£193.33
ZSH3-56	56	176.40	182.40	70	20	5.021	4.615	£255.97	£196.41
ZSH3-57	57	179.55	185.55	70	20	5.189	4.784	£260.43	£199.55
ZSH3-58	58	182.70	188.70	70	20	5.361	4.955	£264.13	£202.68
ZSH3-59	59	185.85	191.85	70	20	5.535	5.130	£271.66	£208.44
ZSH3-60	60	189.00	195.00	70	20	5.713	5.307	£279.27	£214.34

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.

