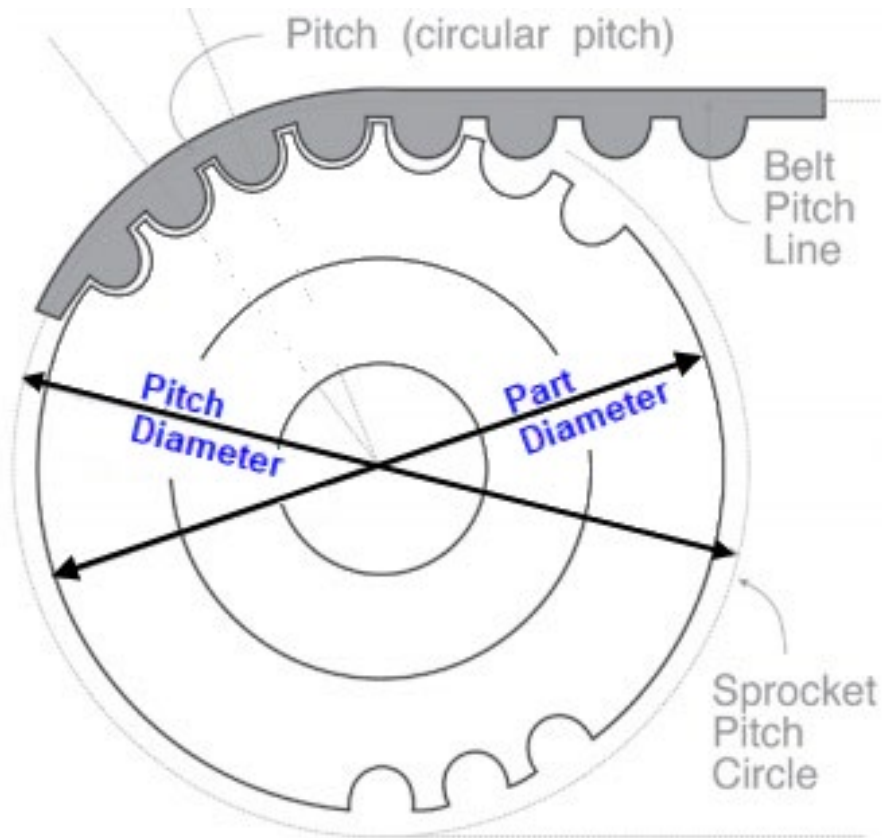
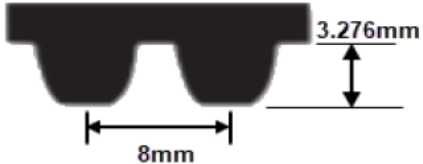


## Find your Insert

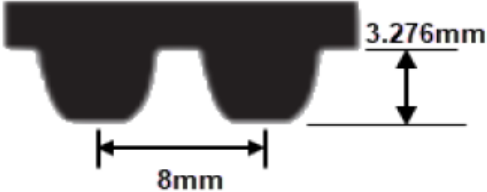


- The tables on the subsequent pages provide the recommended part diameters based on the number of teeth and the 8mm Pitch.
- Additionally, values for Pitch Diameter are also provided for reference.
- **Each insert is manufactured to the median Profile of each insert number of teeth range. This is highlighted on the tables.**
- The Inserts are designed to form a chamfer on the part diameter when the noted whole depth is reached.
- The chamfer size will change based on the part diameter. With the highlighted median profile having the optimum chamfer size.
- Chamfer size will increase as the part diameter increases from the mean. And the chamfer size will decrease as the part diameter reduces from the mean.

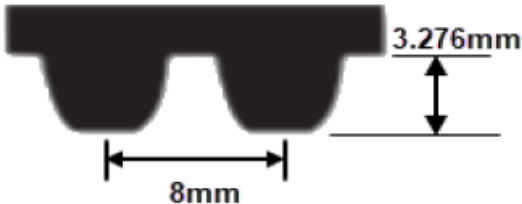
## 02-0819 PG8-22/29

PG8-22/29 02-0819	Belt Pitch	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with GT® or similar profiles by PowerGrip®, PowerHouse® and many others</p> <p>Part Diameters are based on 22 to 29 teeth</p> <p>For belts with modified curvilinear tooth profiles. With a whole depth of 3.276mm [0.129"]</p> 	8	22	56.02	2.206	54.65	2.152
	8	23	58.57	2.306	57.20	2.252
	8	24	61.12	2.406	59.74	2.352
	8	25	63.66	2.506	62.29	2.452
	<b>8</b>	<b>26</b>	<b>66.21</b>	<b>2.607</b>	<b>64.84</b>	<b>2.553</b>
	8	27	68.75	2.707	67.38	2.653
	8	28	71.30	2.807	69.93	2.753
	8	29	73.85	2.907	72.48	2.853

## 02-0823 PG8-30/50

PG8-30/50 02-0823	Belt Pitch	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with GT® or similar profiles by PowerGrip®, PowerHouse® and many others</p> <p>Part Diameters are based on 30 to 50 teeth</p> <p>For belts with modified curvilinear tooth profiles. With a whole depth of 3.276mm [0.129"]</p> 	8	30	76.39	3.008	75.02	2.954
	8	31	78.94	3.108	77.57	3.054
	8	32	81.49	3.208	80.12	3.154
	8	33	84.03	3.308	82.66	3.254
	8	34	86.58	3.409	85.21	3.355
	8	35	89.13	3.509	87.76	3.455
	8	36	91.67	3.609	90.30	3.555
	8	37	94.22	3.709	92.85	3.655
	8	38	96.77	3.810	95.39	3.756
	8	39	99.31	3.910	97.94	3.856
	8	40	101.86	4.010	100.49	3.956
	8	41	104.41	4.110	103.03	4.056
	8	42	106.95	4.211	105.58	4.157
	8	43	109.50	4.311	108.13	4.257
	8	44	112.05	4.411	110.67	4.357
	8	45	114.59	4.511	113.22	4.457
	8	46	117.14	4.612	115.77	4.558
	8	47	119.68	4.712	118.31	4.658
	8	48	122.23	4.812	120.86	4.758
	8	49	124.78	4.912	123.41	4.858
	8	50	127.32	5.013	125.95	4.959

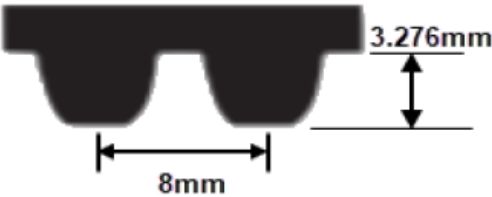
## 02-0827 PG8-51/119

PG5-51/119 02-0827	Belt Pitch	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with GT® or similar profiles by PowerGrip®, PowerHouse® and many others</p> <p>Part Diameters are based on 51 to 119 teeth</p> <p>For belts with modified curvilinear tooth profiles. With a whole depth of 3.276mm [0.129"]</p> 	8	51	129.87	5.113	128.50	5.059
	8	52	132.42	5.213	131.05	5.159
	8	53	134.96	5.314	133.59	5.260
	8	54	137.51	5.414	136.14	5.360
	8	55	140.06	5.514	138.68	5.460
	8	56	142.60	5.614	141.23	5.560
	8	57	145.15	5.715	143.78	5.661
	8	58	147.70	5.815	146.32	5.761
	8	59	150.24	5.915	148.87	5.861
	8	60	152.79	6.015	151.42	5.961
	8	61	155.34	6.116	153.96	6.062
	8	62	157.88	6.216	156.51	6.162
	8	63	160.43	6.316	159.06	6.262
	8	64	162.97	6.416	161.60	6.362
	8	65	165.52	6.517	164.15	6.463
	8	66	168.07	6.617	166.70	6.563
	8	67	170.61	6.717	169.24	6.663
	8	68	173.16	6.817	171.79	6.763
	8	69	175.71	6.918	174.34	6.864
	8	70	178.25	7.018	176.88	6.964
	8	71	180.80	7.118	179.43	7.064
	8	72	183.35	7.218	181.97	7.164

# Technical Details



## 02-0827 PG8-51/119

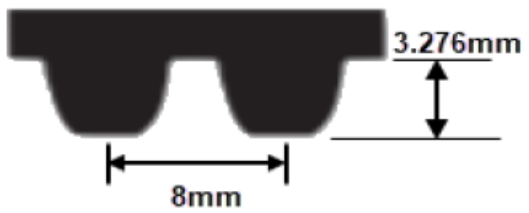
PG5-51/119 02-0827	Belt Pitch	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with GT® or similar profiles by PowerGrip®, PowerHouse® and many others</p> <p>Part Diameters are based on 51 to 119 teeth</p> <p>For belts with modified curvilinear tooth profiles. With a whole depth of 3.276mm [0.129"]</p> 	8	73	185.89	7.319	184.52	7.265
	8	74	188.44	7.419	187.07	7.365
	8	75	190.99	7.519	189.61	7.465
	8	76	193.53	7.619	192.16	7.565
	8	77	196.08	7.720	194.71	7.666
	8	78	198.63	7.820	197.25	7.766
	8	79	201.17	7.920	199.80	7.866
	8	80	203.72	8.020	202.35	7.966
	8	81	206.26	8.121	204.89	8.067
	8	82	208.81	8.221	207.44	8.167
	8	83	211.36	8.321	209.99	8.267
	<b>8</b>	<b>84</b>	<b>213.90</b>	<b>8.421</b>	<b>212.53</b>	<b>8.367</b>
	8	85	216.45	8.522	215.08	8.468
	8	86	219.00	8.622	217.63	8.568
	8	87	221.54	8.722	220.17	8.668
	8	88	224.09	8.822	222.72	8.768
	8	89	226.64	8.923	225.27	8.869
	8	90	229.18	9.023	227.81	8.969
	8	91	231.73	9.123	230.36	9.069
	8	92	234.28	9.223	232.90	9.169
	8	93	236.82	9.324	235.45	9.270
	8	94	239.37	9.424	238.00	9.370
	8	95	241.92	9.524	240.54	9.470
	8	96	244.46	9.624	243.09	9.570



# Technical Details



## 02-0827 PG8-51/119

PG5-51/119 02-0827	Belt Pitch	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with GT® or similar profiles by PowerGrip®, PowerHouse® and many others</p> <p>Part Diameters are based on 51 to 119 teeth</p> <p>For belts with modified curvilinear tooth profiles. With a whole depth of 3.276mm [0.129"]</p> 	8	97	247.01	9.725	245.64	9.671
	8	98	249.55	9.825	248.18	9.771
	8	99	252.10	9.925	250.73	9.871
	8	100	254.65	10.026	253.28	9.972
	8	101	257.19	10.126	255.82	10.072
	8	102	259.74	10.226	258.37	10.172
	8	103	262.29	10.326	260.92	10.272
	8	104	264.83	10.427	263.46	10.373
	8	105	267.38	10.527	266.01	10.473
	8	106	269.93	10.627	268.56	10.573
	8	107	272.47	10.727	271.10	10.673
	8	108	275.02	10.828	273.65	10.774
	8	109	277.57	10.928	276.19	10.874
	8	110	280.11	11.028	278.74	10.974
	8	111	282.66	11.128	281.29	11.074
	8	112	285.21	11.229	283.83	11.175
	8	113	287.75	11.329	286.38	11.275
	8	114	290.30	11.429	288.93	11.375
	8	115	292.85	11.529	291.47	11.475
	8	116	295.39	11.630	294.02	11.576
	8	117	297.94	11.730	296.57	11.676
	8	118	300.48	11.830	299.11	11.776
	8	119	303.03	11.930	301.66	11.876

