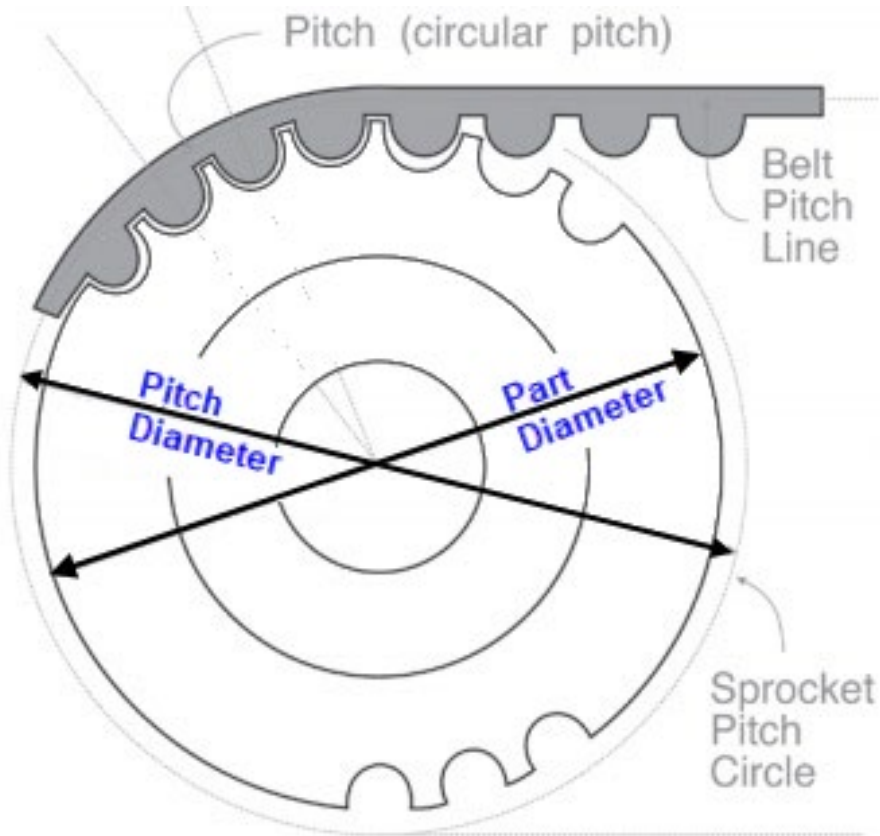
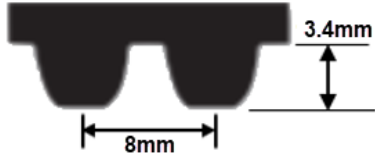


## Find your Insert

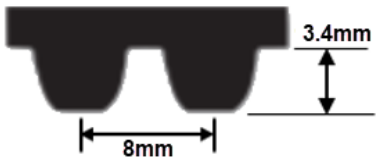


- The tables on the subsequent pages provide the recommended part diameters based on the number of teeth and the 8mm Pitch.
- Additionally, values for Pitch Diameter are also provided for reference.
- **Each insert is manufactured to the median Profile of each insert number of teeth range. This is highlighted 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.

## 02-1220 PC8-22/27

PC8-22/27 02-1220	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with PolyChain GT® or similar profiles</p> <p>Part Diameters are based on 22 to 27 teeth</p> <p>For belts with curvilinear tooth profiles. With a whole depth of 3.4mm [0.134"]</p> 	8	22	56.02	2.206	54.42	2.143
	8	23	58.57	2.306	56.97	2.243
	<b>8</b>	<b>24</b>	<b>61.12</b>	<b>2.406</b>	<b>59.52</b>	<b>2.343</b>
	8	25	63.66	2.506	62.06	2.443
	8	26	66.21	2.607	64.61	2.544
	8	27	68.75	2.707	67.15	2.644

## 02-1221 PC8-28/37

PC8-28/37 02-1221	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
<p>For 8mm Pitch Synchronous/Timing Belts with PolyChain GT® or similar profiles</p> <p>Part Diameters are based on 28 to 37 teeth</p> <p>For belts with curvilinear tooth profiles. With a whole depth of 3.4mm [0.134"]</p> 	8	28	71.30	2.807	69.70	2.744
	8	29	73.85	2.907	72.25	2.844
	8	30	76.39	3.008	74.79	2.945
	8	31	78.94	3.108	77.34	3.045
	<b>8</b>	<b>32</b>	<b>81.49</b>	<b>3.208</b>	<b>79.89</b>	<b>3.145</b>
	8	33	84.03	3.308	82.43	3.245
	8	34	86.58	3.409	84.98	3.346
	8	35	89.13	3.509	87.53	3.446
	8	36	91.67	3.609	90.07	3.546
	8	37	94.22	3.709	92.62	3.646

## 02-1222 PC8-38/58

PC8-38/58 02-1222	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
For 8mm Pitch Synchronous/Timing Belts with PolyChain GT® or similar profiles	8	38	96.77	3.810	95.17	3.747
	8	39	99.31	3.910	97.71	3.847
	8	40	101.86	4.010	100.26	3.947
	8	41	104.41	4.110	102.81	4.047
	8	42	106.95	4.211	105.35	4.148
	8	43	109.50	4.311	107.90	4.248
	8	44	112.05	4.411	110.44	4.348
Part Diameters are based on 38 to 58 teeth	8	45	114.59	4.511	112.99	4.448
	8	46	117.14	4.612	115.54	4.549
	8	47	119.68	4.712	118.08	4.649
	<b>8</b>	<b>48</b>	<b>122.23</b>	<b>4.812</b>	<b>120.63</b>	<b>4.749</b>
	8	49	124.78	4.912	123.18	4.849
	8	50	127.32	5.013	125.72	4.950
	8	51	129.87	5.113	128.27	5.050
For belts with curvilinear tooth profiles. With a whole depth of 3.4mm [0.134"]	8	52	132.42	5.213	130.82	5.150
	8	53	134.96	5.314	133.36	5.251
	8	54	137.51	5.414	135.91	5.351
	8	55	140.06	5.514	138.46	5.451
	8	56	142.60	5.614	141.00	5.551
	8	57	145.15	5.715	143.55	5.652
	8	58	147.70	5.815	146.10	5.752

