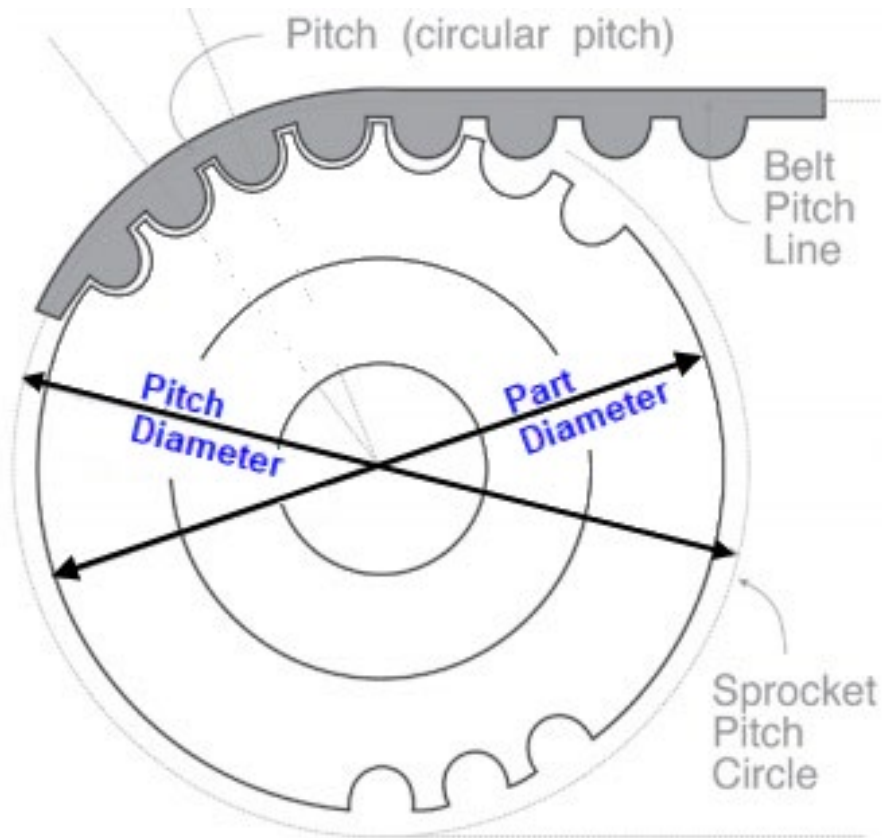
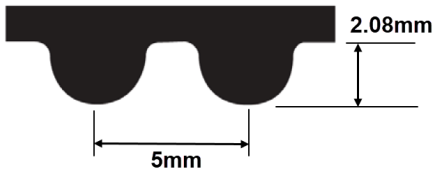


Find your Insert



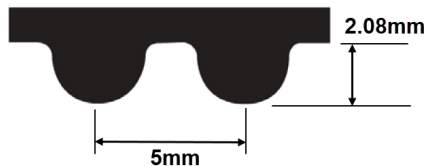
- The tables on the subsequent pages provide the recommended part diameters based on the number of teeth and the 5mm Pitch.
- Additionally, values for Pitch Diameter are also provided for reference.
- **Each insert is manufactured to the median Profile of each insert number of teeth range. This is highlighted 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.

02-1217 HTD5-12/20

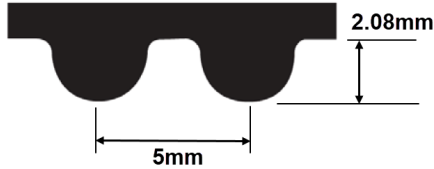
HTD5-12/20 02-1217	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
For 5mm Pitch Synchronous/Timing Belts with HTD® or similar profiles by PowerGrip®, PowerHouse® and many others Part Diameters are based on 12 to 20 teeth For belts with curvilinear tooth profiles. With a whole depth of 2.08mm [0.082"] 	5	12	19.10	0.752	17.96	0.707
	5	13	20.69	0.815	19.55	0.770
	5	14	22.28	0.877	21.14	0.832
	5	15	23.87	0.940	22.73	0.895
	5	16	25.46	1.003	24.32	0.958
	5	17	27.06	1.065	25.91	1.020
	5	18	28.65	1.128	27.50	1.083
	5	19	30.24	1.191	29.10	1.146
	5	20	31.83	1.253	30.69	1.208

02-1218 HTD5-21/46

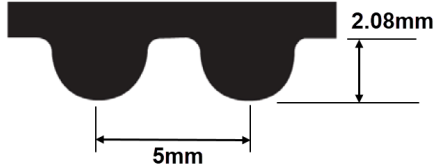
HTD5-21/46 02-1218	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
For 5mm Pitch Synchronous/Timing Belts with HTD® or similar profiles by PowerGrip®, PowerHouse® and many others	5	21	33.42	1.316	32.28	1.271
	5	22	35.01	1.379	33.87	1.334
	5	23	36.61	1.441	35.46	1.396
	5	24	38.20	1.504	37.05	1.459
	5	25	39.79	1.566	38.65	1.521
	5	26	41.38	1.629	40.24	1.584
	5	27	42.97	1.692	41.83	1.647
	5	28	44.56	1.754	43.42	1.709
	5	29	46.15	1.817	45.01	1.772
	5	30	47.75	1.880	46.60	1.835
Part Diameters are based on 21 to 46 teeth	5	31	49.34	1.942	48.20	1.897
	5	32	50.93	2.005	49.79	1.960
	5	33	52.52	2.068	51.38	2.023
	5	34	54.11	2.130	52.97	2.085
	5	35	55.70	2.193	54.56	2.148
	5	36	57.30	2.256	56.15	2.211
	5	37	58.89	2.318	57.74	2.273
	5	38	60.48	2.381	59.34	2.336
	5	39	62.07	2.444	60.93	2.399
	5	40	63.66	2.506	62.52	2.461
For belts with curvilinear tooth profiles. With a whole depth of 2.08mm [0.082"]	5	41	65.25	2.569	64.11	2.524
	5	42	66.85	2.632	65.70	2.587
	5	43	68.44	2.694	67.29	2.649
	5	44	70.03	2.757	68.89	2.712
	5	45	71.62	2.820	70.48	2.775
	5	46	73.21	2.882	72.07	2.837



02-1219 HTD5-47/90

HTD5-47/90 02-1219	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
For 5mm Pitch Synchronous/Timing Belts with HTD® or similar profiles by PowerGrip®, PowerHouse® and many others Part Diameters are based on 47 to 90 teeth For belts with curvilinear tooth profiles. With a whole depth of 2.08mm [0.082"] 	5	47	74.80	2.945	73.66	2.900
	5	48	76.39	3.008	75.25	2.963
	5	49	77.99	3.070	76.84	3.025
	5	50	79.58	3.133	78.43	3.088
	5	51	81.17	3.196	80.03	3.151
	5	52	82.76	3.258	81.62	3.213
	5	53	84.35	3.321	83.21	3.276
	5	54	85.94	3.384	84.80	3.339
	5	55	87.54	3.446	86.39	3.401
	5	56	89.13	3.509	87.98	3.464
	5	57	90.72	3.572	89.58	3.527
	5	58	92.31	3.634	91.17	3.589
	5	59	93.90	3.697	92.76	3.652
	5	60	95.49	3.760	94.35	3.715
	5	61	97.08	3.822	95.94	3.777
	5	62	98.68	3.885	97.53	3.840
	5	63	100.27	3.948	99.12	3.903
	5	64	101.86	4.010	100.72	3.965
	5	65	103.45	4.073	102.31	4.028
	5	66	105.04	4.136	103.90	4.091
	5	67	106.63	4.198	105.49	4.153
	5	68	108.23	4.261	107.08	4.216

02-1219 HTD5-47/90

HTD5-47/90 02-1219	Belt Pitch (mm)	Number of teeth	Pitch Diameter mm	Pitch Diameter inch	Part Diameter mm	Part Diameter inch
For 5mm Pitch Synchronous/Timing Belts with HTD® or similar profiles by PowerGrip®, PowerHouse® and many others Part Diameters are based on 47 to 90 teeth For belts with curvilinear tooth profiles. With a whole depth of 2.08mm [0.082"] 	5	69	109.82	4.324	108.67	4.279
	5	70	111.41	4.386	110.27	4.341
	5	71	113.00	4.449	111.86	4.404
	5	72	114.59	4.511	113.45	4.466
	5	73	116.18	4.574	115.04	4.529
	5	74	117.77	4.637	116.63	4.592
	5	75	119.37	4.699	118.22	4.654
	5	76	120.96	4.762	119.81	4.717
	5	77	122.55	4.825	121.41	4.780
	5	78	124.14	4.887	123.00	4.842
	5	79	125.73	4.950	124.59	4.905
	5	80	127.32	5.013	126.18	4.968
	5	81	128.92	5.075	127.77	5.030
	5	82	130.51	5.138	129.36	5.093
	5	83	132.10	5.201	130.96	5.156
	5	84	133.69	5.263	132.55	5.218
	5	85	135.28	5.326	134.14	5.281
	5	86	136.87	5.389	135.73	5.344
	5	87	138.46	5.451	137.32	5.406
	5	88	140.06	5.514	138.91	5.469
	5	89	141.65	5.577	140.50	5.532
	5	90	143.24	5.639	142.10	5.594