

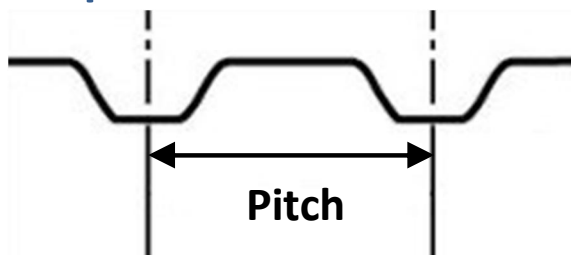


Doppler Gear TechBit: Timing Pulleys

Pulleys for use with toothed synchronous belts

Development of the synchronous belt began around 1940 at the L. H. Gilmer Company and has since evolved into a line of various pitches, profiles, and constructions. Below are three of the most common.

Trapezoidal Tooth Profiles



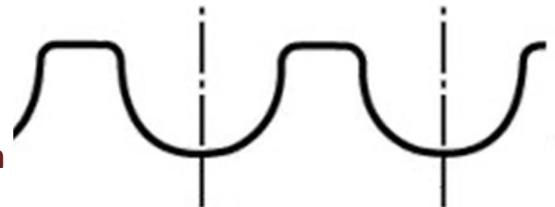
Belt	Pitch
MXL	.080"
40 DP	.0816"
XL	.200"
L	.375"
H	.500"
XH	.875"
XXH	1.250"

Metric Belt	Pitch
T2 or AT2	.0787"
T2.5 or AT2.5	.0984"
T5 or AT5	.1968"
T10 or AT10	.3937"
T20 or AT20	.7874"

Curvilinear (round) Tooth Profiles

HTD Uniroyal [now Gates Rubber]

Pitches: 3mm, 5mm, 8mm, 14mm, 20mm



STD Goodyear Super Torque

Pitches: 2.5mm, 3mm, 4.5mm, 5mm, 8mm, 14mm



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HTD and STD belts and pulleys are not interchangeable or compatible.

Gates also offers newer designs such as **PowerGrip GT, GT2, GT3**, and other belt profiles.

Check the belt type carefully before designing or ordering custom pulleys.