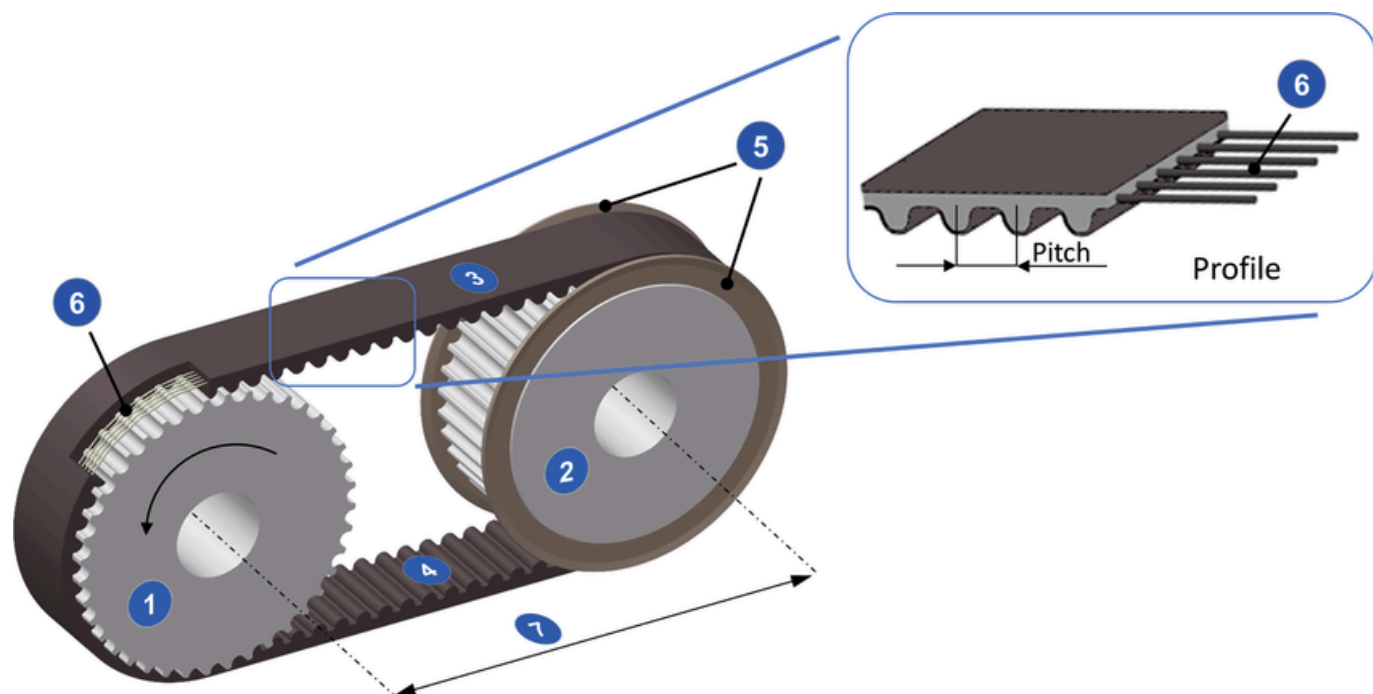




**KOHINOOR**  
MILL STORE

# TIMING BELTS



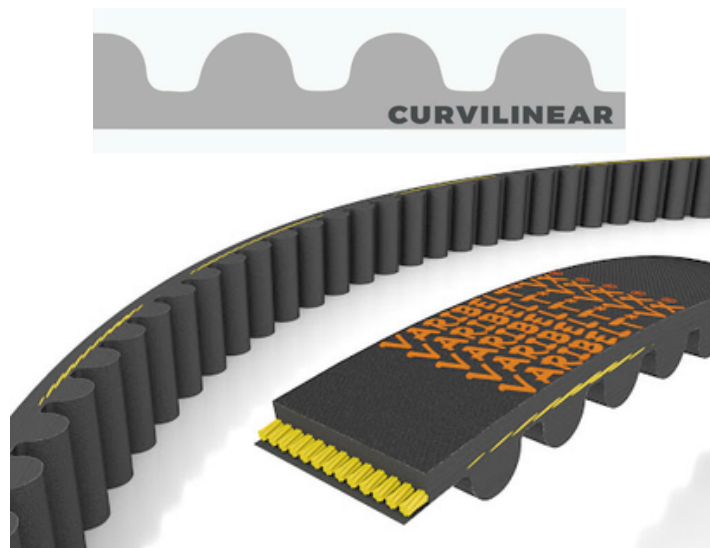
Source: ResearchGate

- 1 Driver pulley
- 2 Driven pulley
- 3 Tight span
- 4 Slack span
- 5 Flanged wheel
- 6 Tension cords
- 7 Center distance



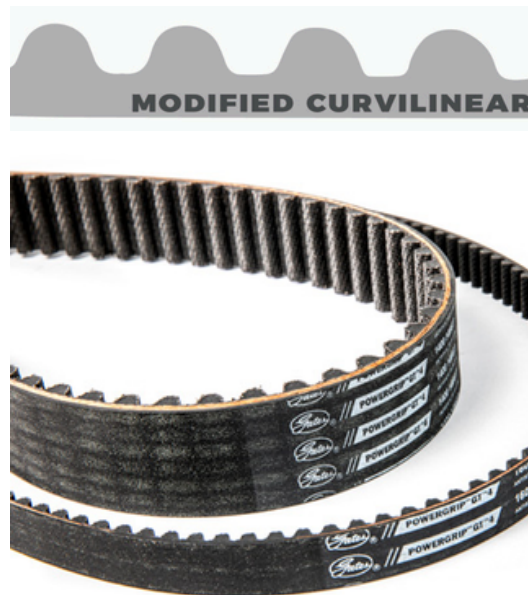
## 1. CLASSICAL (IMPERIAL) TIMING BELTS – TRAPEZOIDAL TOOTH PROFILE

Type	Tooth Profile	Pitch (inches)	Belt Code	Common Widths (inches)	Applications
XL	Trapezoidal	0.200"	XL (Extra Light)	1/4", 3/8", 1/2"	Small machines, printers
L	Trapezoidal	0.375"	L (Light)	1/2", 3/4", 1"	Power tools, mixers
H	Trapezoidal	0.500"	H (Heavy)	3/4", 1", 1.5"	Compressors, packaging
XH	Trapezoidal	0.875"	XH (Extra Heavy)	1", 1.5", 2"	Heavy-duty machinery
XXH	Trapezoidal	1.250"	XXH (Double Extra Heavy)	2", 3"	Industrial drives, conveyors



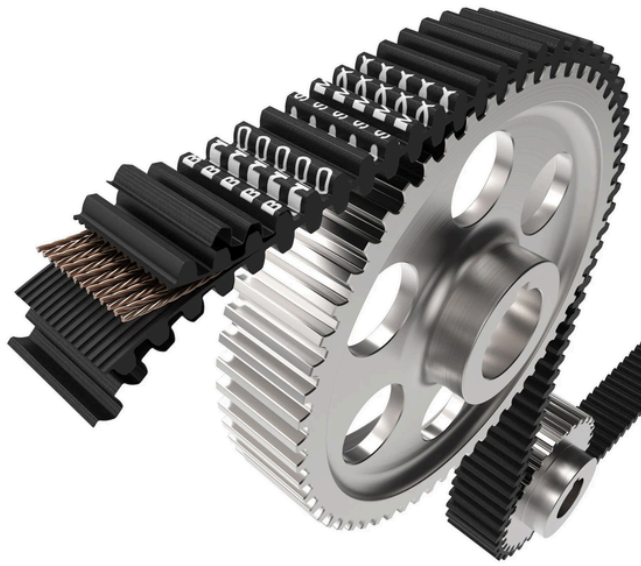
## 2. METRIC TIMING BELTS – CURVILINEAR TOOTH PROFILE (HTD SERIES)

Type	Tooth Profile	Pitch (mm)	Belt Code	Common Widths (mm)	Applications
HTD 3M	Curvilinear	3 mm	HTD 3M	6, 9, 15	Electronics, robotics
HTD 5M	Curvilinear	5 mm	HTD 5M	9, 15, 20	Office equipment, automation
HTD 8M	Curvilinear	8 mm	HTD 8M	20, 30, 50	CNC machines, drives
HTD 14M	Curvilinear	14 mm	HTD 14M	40, 55, 85	Crushers, industrial motors



### 3. METRIC TIMING BELTS – SUPER TORQUE / MODIFIED CURVILINEAR (GATES GT SERIES)

Type	Tooth Profile	Pitch (mm)	Belt Code	Common Widths (mm)	Applications
GT2 2M	Modified Curvilinear	2 mm	2M GT2	4, 6, 9	3D printers, lab instrument
GT2 3M	Modified Curvilinear	3 mm	3M GT2	6, 9, 15	Precision drives
GT2 5M	Modified Curvilinear	5 mm	5M GT2	9, 15, 20	Robotics, factory automation
GT2 8M	Modified Curvilinear	8 mm	8M GT2	20, 30, 50	High-torque machinery



#### 4. DOUBLE-SIDED TIMING BELTS

Tooth Type	Profile	Pitch	Available Types	Applications
Double-sided	Trapezoidal / Curvilinear	XL, L, H, 3M, 5M, 8M	DXL, DL, DH, D3M, D5M	Drives with bidirectional rotation or

Profile	Pitch (mm)	Common Widths (mm)	Length Range (mm)
MXL	2	6–12	~300–1,200
XL	5.08	6–19	~400–2,000
L	9.525	10–25	~600–3,500
H	12.7	16–50	~800–5,000
XH / XXH	22.225 / 31.75	25–100	~1,200–6,000
HTD	3 / 5 / 8 / 14 / 20	9–100+	Depends on pitch