

BELTS AND PULLEYS

Power Transmission Components for Industrial Applications



Complete Power Transmission Range

Belts, pulleys and everything in between. Our range covers every drive configuration found in modern industrial machinery.

- **Belt Types**
Classical V | Narrow V | Poly-V | Timing
- **Pulley Types**
Cast Iron | Taper Bush | Poly-V | Timing
- **Profile Range**
A / B / C / D / E | SPZ / SPA / SPB / SPC

Key Specifications

Belt Profiles

A, B, C, D, E / SPZ-SPC

Pulley Grooves

1 to 8 grooves

Bore Diameter

10 mm to 200 mm

Outer Diameter

50 mm to 1000 mm

Operating Temp.

-20 °C to +80 °C

Max. Belt Speed

up to 50 m/s

Application Areas

- Agricultural Machinery
- Mining Equipment
- Compressors
- Pumps and Fans
- Textile Machinery
- HVAC Systems
- Food Processing
- Metal Fabrication

Product Range



Classical V-Belt

A / B / C / D / E profiles



Poly-V (Ribbed) Belt

PK / PL / PH / PM series



Timing Belt

HTD / T / AT tooth profiles



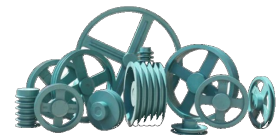
V-Groove Pulleys

Cast iron, 1 to 6 grooves



Taper Bush Pulleys

SPA / SPB / SPC, quick-fit



Timing Pulleys

T5 / T10 / HTD 3M-8M

About trigontek

From precision components to engineering design, consultation and metal works, trigontek helps industrial customers worldwide turn complex requirements into reliable, ready-to-install solutions. Established in 2023, our team members each bring over 15 years of experience from leading international organizations.

Product Series Overview

Series	Type	Profile / Groove	Length / OD Range	Temp.	Speed	Typical Application
V-CL	Classical V-Belt	A / B / C / D / E	500 to 8000 mm	80 °C	30 m/s	General industrial drives
V-NR	Narrow V-Belt	SPZ / SPA / SPB / SPC	630 to 8000 mm	80 °C	42 m/s	Compact high-load drives
PV	Poly-V Belt	PH / PJ / PK / PL	500 to 4000 mm	80 °C	50 m/s	Automotive, HVAC, multi-rib
TM-S	Timing Belt (Std)	T5 / T10 / AT5 / AT10	150 to 3000 mm	80 °C	40 m/s	Synchronous precision drives
TM-H	Timing Belt (HTD)	HTD 3M / 5M / 8M	300 to 6000 mm	80 °C	45 m/s	High-torque servo and CNC
PL-VI	V-Groove Pulley	1 to 6 grooves, SPA-SPC	OD 63-800 mm	--	--	Universal V-belt driven units
PL-TB	Taper Bush Pulley	1 to 8 grooves	OD 80-1000 mm	--	--	Easy-fit shaft mounting
PL-PV	Poly-V Pulley	PH / PJ / PK	OD 50-630 mm	--	--	Multi-rib drive systems
PL-TM	Timing Pulley	T5 / T10 / HTD	OD 30-500 mm	--	--	Synchronous indexing drives

Belt and Pulley Selection Guide

Belt / Pulley Grade	Profile Range	Max Temp.	Best Application
Classical V (wrapped)	A / B / C / D / E	80 °C	General purpose, wide availability
Narrow V (raw edge)	SPZ / SPA / SPB / SPC	80 °C	Compact drives, higher power density
Poly-V Ribbed	PH / PJ / PK / PL	80 °C	Automotive ancillaries, HVAC fans
HTD Timing	HTD 3M / 5M / 8M	80 °C	High-torque CNC, servo, robotics
Standard Timing	T5 / T10 / AT5	80 °C	Precision indexing, light automation
Cast Iron Pulley	A-E / SPA-SPC	--	Heavy-duty, corrosion-resistant drives
Taper Bush Pulley	SPA / SPB / SPC	--	Quick removal and installation on shaft

Standard Dimensions

b (top width)

Belt Width (b)

A=13mm / B=17mm / C=22mm

Belt Height (h)

A=8mm / B=11mm / C=14mm

Pulley OD (De)

63 mm to 1000 mm

Available Configurations


V
 Classical V
 Open drive

NV
 Narrow V
 Compact drive

PV
 Poly-V
 Multi-rib

TM
 Timing
 Synchronous

How to Order: Part Number Builder

TK
Brand
 Trigontek

SPB
Profile
 A/B/SPZ/SPA...

1800
Length
 mm (Li)

CI
Material
 CI / RU / PU

2GR
Grooves
 1GR to 8GR

Example: TK-SPB-1800-CI-2GR = Narrow V, SPB profile, 1800 mm, cast iron, 2 grooves

Request a Sample or Technical Datasheet

Custom configurations and dimensions available on request.

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