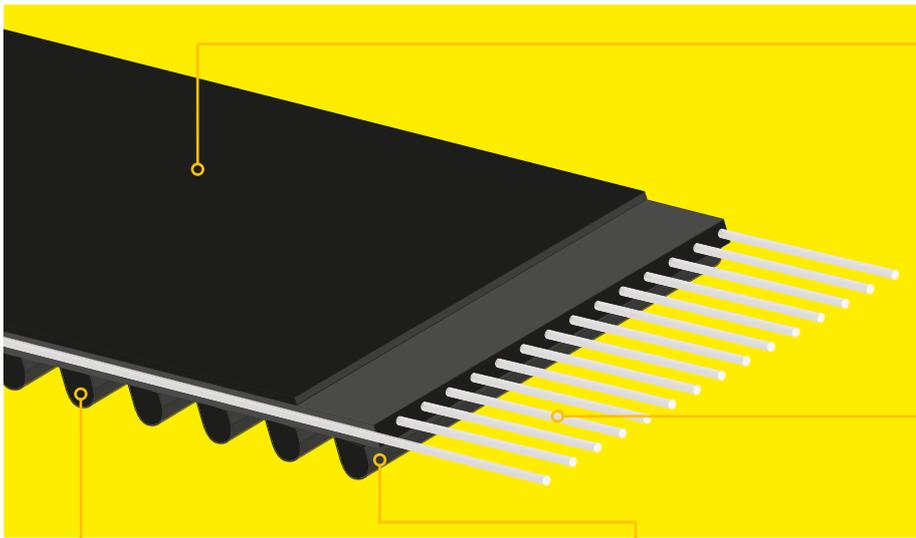




Protorque HTD Timing Belts are designed for use in a wide range of drive systems and their unique tooth geometry helps to guarantee higher power transmission in challenging low speed, high torque applications.



### BACKING FABRIC

Protective and hard wearing elastomeric rubber backing allows consistent adhesion and minimal frictional wear, permitting reverse idler power transmission.

### TENSION CORDS

Strong 'S and Z' wound low stretch fibreglass tensile members ensure perfect belt tracking and dimensional stability, as well as excellent flex life and high resistance to elongation.

### TOOTH PROFILE

Precisely formed HTD tooth profile provides optimal pitching in pulley grooves for extremely accurate operation.

### FACING FABRIC

Tough, low friction nylon facing provides excellent tooth protection and abrasion resistance.



## PROPERTIES

- Temperature range from  $-30^{\circ}\text{C}$  up to  $+80^{\circ}\text{C}$
- Moderate resistance to common oils
- Good resistance to heat and cold environments
- Low noise, high speed ratio, high belt speed

# PROTORQUE'S CURVILINEAR TOOTH GEOMETRY HAS BEEN DESIGNATED TO MATCH THE HIGHEST EUROPEAN DESIGN REQUIREMENTS.

ISO 13050	5M	8M	14M
<b>PROPERTIES</b>			
Tensile strength (N/mm)	160	300	400
Load (N)	130	240	320
Elongation (%)	4.0		
Hardness (Shore A +/- 4°)	82.0		
Adhesion of cloth (N/mm)	6.0	10.0	12.0
Adhesion of cord (N)	400	700	1200
Tooth shear strength (N/mm)	50	60	80
<b>SECTION DIMENSIONS</b>			
Pitch (mm)	5.0	8.0	14.0
Height (mm)	2.06	3.38	6.02
Angle (°)	14		
Width (mm)	3.05	5.15	9.40
Foot radius (mm)	0.42	0.70	1.25
Head radius (mm)	1.49	2.46	4.50
Belt Thickness (mm)	3.80	6.00	10.00
Belt Weight per meter per 10mm width (Kg/m)	0.041	0.063	0.108
Min. crimp (mm)	25	40	70
Teeth range (min-max)	45 - 400	48 - 450	69 - 327
Pitch length	225 - 2000	984 - 3600	966 - 4578