

Section 2 - Synchronous Belts - Rubber Belts

DIN 7721 - ISO 13050 / IP27 RMA-MPTA

H-type Tooth Profile

Structure details:

Back Rubber

Ensures cord protection and perfect adhesion, our flexible backing will allow reverse idler drive.

Tensile cord

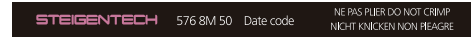
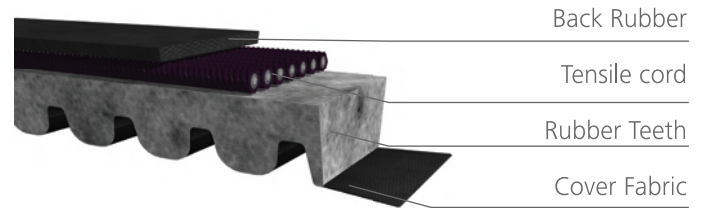
Our strong glass fiber both S and Z orientated will ensure perfect belt tracking, keep dimensional stability and flexibility with no elongation.

Rubber Teeth

Perfect combination of best chloroprene and fibre grade materials, our rubber teeth compound offers tooth pitch matching and high wear and vibration resistance.

Cover Fabric

Features minimal friction, our cover fabric will allow perfect positive engagement with pulleys while ensuring great wear and abrasion resistance.



Application:

Our Curvilinear Tooth Timing belts offer higher torque and power transmission capabilities, allowing drive design to be more compact and thus delivering cost effective drive.

Our belts can be used in various industry application such as gardening machines, textile, packaging, data processing,...

They can deliver high torque in smooth, compact-design and quiet operation, and so are perfect for conveying application.

Properties:

Our Curvilinear Tooth Timing Belts have been designated to match the highest European design requirements.

ISO 13050	2M	3M	5M	8M	14M	20M
Tensile strength (N/mm)	45	90	160	300	400	520
Load (N)	35	70	130	240	320	410
Elongation (%)	4.0					
Hardness (Shore A +/- 5°)	75.0					
Adhesion of cloth (N/mm)	4.5	4.5	6.0	10.0	12.0	15.0
Adhesion of cord (N)	150	150	400	700	1200	1500
Tooth shear strength (N/mm)	40	40	50	60	80	100

Temperature range from -30°C up to +80°C

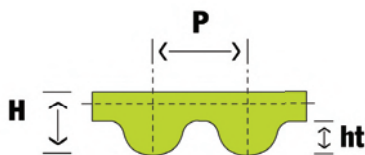
Moderate resistance to common oils, good resistance to heat and cold environment

Low noise, high speed ratio, high belt speed

Meets RoHS and REACH requirements

Section Dimensions:

ISO 13050	2M	3M	5M	8M	14M	20M
Pitch (mm)	2.0	3.0	5.0	8.0	14.0	20.0
Height (mm)	0.75	1.17	2.06	3.38	6.02	8.40
Angle (°) ^{+/-1}	14					
Width (mm)	1.17	1.78	3.05	5.15	9.40	14.00
Foot radius (mm)	0.15	0.26	0.42	0.70	1.25	1.90
Head radius (mm)	0.56	0.87	1.49	2.46	4.50	6.50
Belt Thickness (mm)	1.36	2.40	3.80	6.00	10.00	13.20
Belt Weight per meter per 10mm width (Kg/m)	0.018	0.031	0.041	0.063	0.108	0.21
Min. crimp (mm)	15	15	25	40	70	100
Teeth range (min-max)	49 - 375	20 - 2268	36 - 1400	23 - 950	69 - 540	100 - 330
Pitch length (mm)	98 - 750	60 - 6804	180 - 7000	184 - 7600	966 - 7560	2000 - 6600



Product Codification:

ISO 13050 designation:

576 - 8M - 50
Pitch length (mm) Pitch (8 mm) Belt width (mm)

Possible sections : 2M, 3M, 5M, 8M, 14M, 20M

H-type tooth profile