

Section 2 - Synchronous Belts - Rubber Belts

DIN 7721 - ISO 13050 / IP27 RMA-MPTA

R-type Tooth Profile

Structure details:

Back Rubber

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

Tensile cord

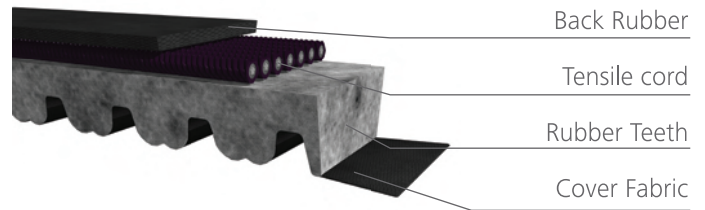
Our strong glass fiber both S and Z orientated will ensure perfect belt tracking, keep dimensional stability and flexibility with no elongation.

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.



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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	R2M	R3M	R5M	R8M	R14M
Tensile strength (N/mm)	45	90	160	300	400
Load (N)	35	70	130	240	320
Elongation (%)	4.0				
Hardness (Shore A +/- 5°)	75.0				
Adhesion of cloth (N/mm)	4.5	4.5	6.0	10.0	12.0
Adhesion of cord (N)	150	150	400	700	1200
Tooth shear strength (N/mm)	40	40	50	60	80

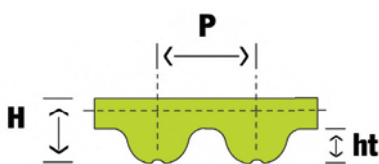
Temperature range from -30°C up to +80°C

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	R2M	R3M	R5M	R8M	R14M
Pitch (mm)	2.0	3.0	5.0	8.0	14.0
Height (mm)	0.76	1.15	1.95	3.20	6.00
Angle (°) +/- 1	32				
Width (mm)	1.30	1.95	3.30	5.50	9.50
Foot radius (mm)	0.20	0.40	0.60	1.00	1.75
Belt Thickness (mm)	1.36	1.90	3.50	5.50	10.00
Belt Weight per meter per 10mm width (Kg/m)	0.015	0.026	0.039	0.063	0.115
Min. crimp (mm)	15	15	25	40	70
Teeth range (min-max)	56 - 612	30 - 621	36 - 505	36 - 550	69 - 354
Pitch length (mm)	12 - 1224	90 - 1863	180 - 2525	288 - 4400	966 - 4956

Product Codification:

ISO 13050 designation:

Possible sections : R2M, R3M, R5M, R8M, R14M

520
Pitch length (mm)

- R5M
Pitch (5 mm)
R-type tooth profile

- 6
Belt width (mm)