

Section 2 - Synchronous Belts - Rubber Belts

DIN 7721 - ISO 13050 / IP27 RMA-MPTA

S-type Tooth Profile

Structure details:

Back Rubber

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

Tensile cord

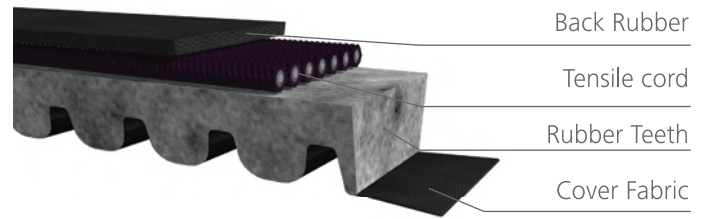
Our strong glass fiber both S and Z orientated will ensure perfect belt tracking, keep dimensional stability and flexibility with no elongation.

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.



STEIGENTECH 255 S3M 9 Date code NE PAS PLIER, DO NOT CRIMP NICHT KNICKEN, NON FLEGGRE

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	S2M	S3M	S4.5M	S5M	S8M	S14M
Tensile strength (N/mm)	45	90	160	160	300	400
Load (N)	35	70	130	130	240	320
Elongation (%)	4.0					
Hardness (Shore A +/- 5°)	75.0					
Adhesion of cloth (N/mm)	4.5	4.5	6.0	6.0	10.0	12.0
Adhesion of cord (N)	150	150	400	400	700	1200
Tooth shear strength (N/mm)	40	40	50	50	60	80

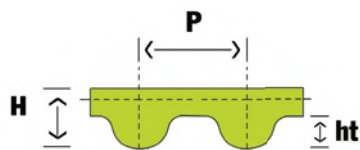
Temperature range from -30°C up to +80°C

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	S2M	S3M	S4.5M	S5M	S8M	S14M
Pitch (mm)	2.0	3.0	4.5	5.0	8.0	14.0
Height (mm)	0.76	1.14	1.71	1.91	3.05	5.30
Radius (mm)	1.30	1.95	2.93	3.25	5.20	9.10
Width (mm)	1.30	1.95	2.93	3.25	5.20	9.10
Foot radius (mm)	0.20	0.30	0.45	0.50	0.80	1.40
Head radius (mm)	0.20	0.30	0.45	0.50	0.80	1.40
Belt Thickness (mm)	1.36	2.20	2.81	3.41	5.30	10.20
Belt Weight per meter per 10mm width (Kg/m)	0.019	0.035	0.041	0.048	0.068	0.120
Min. crimp (mm)	15	15	25	25	40	70
Teeth range (min-max)	30 - 612	40 - 2170	36 - 229	30 - 800	47 - 830	51 - 358
Pitch length (mm)	60 - 1224	120 - 6510	162 - 1031	150 - 4000	376 - 6640	714 - 5012

Product Codification:

ISO 13050 designation:

Possible sections : S2M, S3M, S4,5M, S5M, S8M, S14M

255

Pitch length (mm)

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S3M

Pitch (3 mm)

S-type tooth profile

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Belt width (mm)