



DRIVE DESIGN
AND TECHNICAL MANUAL

EXTRUDED ENDLESS
TIMING BELT FLEX
CURVILINEAR TOOTH

**DRIVE BELT
TECHNOLOGY .**

SECTION 2.2.10 | TIMING BELTS | POLYURETHANE BELTS

DIN 7721 / ISO 13050 / IP27 RMA-MPTA

EXTRUDED ENDLESS TIMING BELT FLEX CURVILINEAR TOOTH (RPP) R5M, R8M, R14M

FEATURES

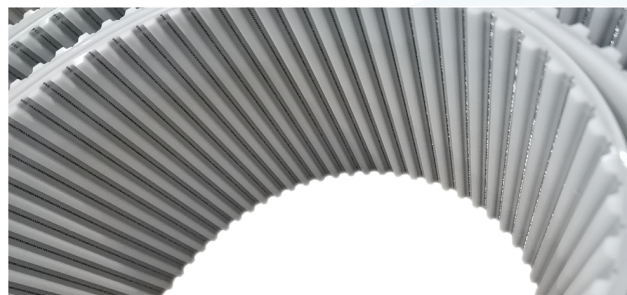
Manufactured in thermoplastic polyurethane with continuous spiral steel cords, this belt can be coated with polyamide green cover fabric that serve as protection, while also reducing the noise level.

The tension technology used to create this belt will deliver a high traction and breaking load, while maintaining flexibility and no elongation.

Our special polyurethane teeth is white color with hardness of 92ShA which would allow greater level of resistance to wear, even in presence of load and shock.

Demonstrated very low coefficient of friction and great flexibility; can support high linear speed.

Good resistance to oil (lubricants, engine oils, combustible oils), grease and moderate in acid and alkali.

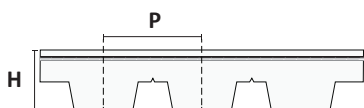


Temperature range from -25 °C to +80 °C in standard; Belt can resist to Ozone.

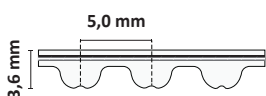
This belt is suited for a multitude of machinery for linear motion and synchronous conveying systems.

Those belts can be manufactured with many different options of back coating and options, please consult us.

Dimensions

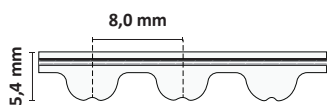


ISO 13050	EE-R5M	EE-R8M	EE-R14M
Pitch (mm)	5.0	8.0	14.0
Height (mm)	1.95	3.20	6.00
Width (mm)	3.30	5.50	10.00
Belt thickness (mm)	3,8 +/- 0,2	5,4 +/- 0,3	10 +/- 0,4
Min. Number teeth on pulley without back bending	16	18	28
Min. Diameter of idler (mm)	50	50	120
Min. Number teeth on pulley with back bending	20	18	28
Min. Diameter of back idler (mm)	50	120	180



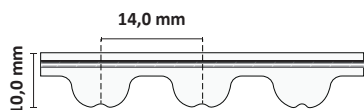
EE-R5M

	10	15	25	50	100
Belt Width (mm)	10	15	25	50	100
Max Traction Load (N)	800	1300	2200	4600	9400
Breaking Strength (N)	3200	5150	8550	17700	35700
Belt Weight (g/m)	50	70	110	225	460



EE-R8M

	10	15	20	30	50	85	100	150
Belt Width (mm)	10	15	20	30	50	85	100	150
Max Traction Load (N)	1600	2400	3200	4800	8000	14000	16400	24000
Breaking Strength (N)	6450	9700	12450	18250	29600	50450	58250	85250
Belt Weight (g/m)	70	100	140	210	330	560	660	990



EE-R14M

	40	55	85	115	150
Belt Width (mm)	40	55	85	115	150
Max Traction Load (N)	14800	20350	31600	42800	55700
Breaking Strength (N)	59900	81300	123200	162300	205550
Belt Weight (g/m)	480	660	1020	1380	1800

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Applications



Packaging



Wood

Marking



6440-EE-R8M-30-PU-S

batch code/worker code



8260-EE-R14M-100-PU-SS

batch code/worker code

Product Codification

800-EE-R5M-25-PU-SS
means

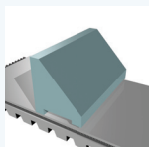
800	EE	R5M	25	PU	SS
Length / 800,00 mm	Extruded Endless Flex	Section R5M Pitch 5,00 mm	Width 25,0mm	PU White	Stainless Steel cord

7560-EE-R14M-55-PU-S-PAZ
means

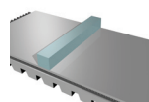
7560	EE	R14M	55	PU	S	PAZ
Length / 7560,00 mm	Extruded Endless Flex	Section R14M Pitch 14,00 mm	Width 55,0mm	PU White	Steel cord	Green nylon on back

Example of availables Cleats & Backing, consult us:

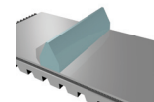
CL1



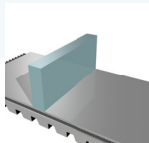
CL2



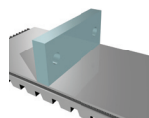
CL3



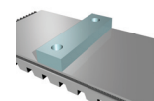
CL4



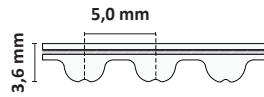
CL5



CL6



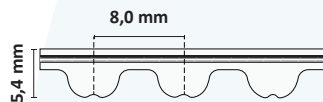
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EE-R5M

Standard Belt Range

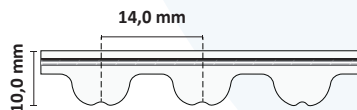
CMW Product code	GTIN (EAN) code
EE-R5M-10-PU-S	3666445000608
EE-R5M-15-PU-S	3666445000592
EE-R5M-25-PU-S	3666445000585
EE-R5M-50-PU-S	3666445000578
EE-R5M-100-PU-S	3666445000561



EE-R8M

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-R8M-10-PU-S	3666445000554
EE-R8M-15-PU-S	3666445000547
EE-R8M-20-PU-S	3666445000530
EE-R8M-30-PU-S	3666445000523
EE-R8M-50-PU-S	3666445000516
EE-R8M-85-PU-S	3666445000509
EE-R8M-100-PU-S	3666445000493
EE-R8M-150-PU-S	3666445000486



EE-R14M

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-R14M-40-PU-S	3666445000479
EE-R14M-55-PU-S	3666445000462
EE-R14M-85-PU-S	3666445000455
EE-R14M-115-PU-S	3666445000448
EE-R14M-150-PU-S	3666445000431



Your expert in DRIVE BELT TECHNOLOGY

CMW Power Transmission designs, manufactures and distributes rubber and polyurethane drive belts in wide variety of industrial and agricultural applications to become your favourite power transmission brand.

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