



DRIVE DESIGN  
AND TECHNICAL MANUAL

EXTRUDED ENDLESS  
TIMING BELT FLEX  
IMPERIAL TOOTH

**DRIVE BELT  
TECHNOLOGY .**

## SECTION 2.2.8 | TIMING BELTS | POLYURETHANE BELTS

DIN / ISO 5296 PART 1 / IP24 RMA-MPTA

EXTRUDED ENDLESS TIMING BELT FLEX IMPERIAL TOOTH L, H, XH AND DUAL SIDED IN DH

### FEATURES

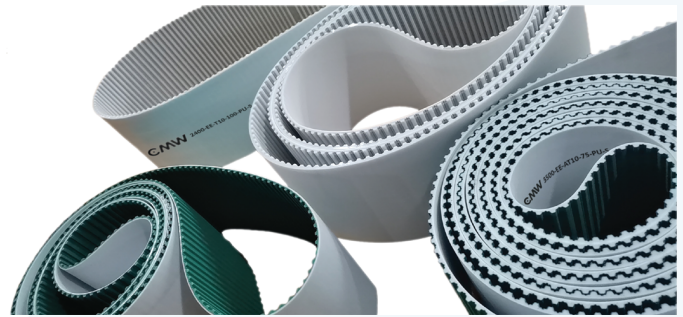
Manufactured in thermoplastic polyurethane with continuous spiral steel cords, this belt can be coated with polyamide green cover fabric that serve as protection, while also reducing the noise level.

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.



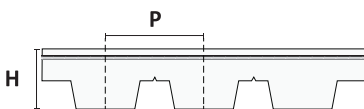
Temperature range from -25 °C to +80 °C in standard; Belt can resist to Ozone.

Tooth profile as trapezoidal matching the DIN/ISO 5296.

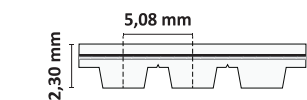
This belt is suited for a multitude of machinery for linear motion and synchronous conveying systems.

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

### Dimensions

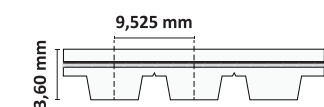


ISO 5296	EE-XL	EE-L	EE-H	EE-XH
Pitch (inches)	1/5	3/8	1/2	7/8
Pitch (mm)	5.080	9.525	12.700	22.225
Height (mm)	1.27	1.91	2.29	6.35
Width (mm)	2.57	4.65	6.12	12.57
Belt thickness (mm)	2.3 +/-0.3	3.6 +/- 0.3	4.3 +/-0.3	11.2 +/-0.3
Min. Number teeth on pulley without back bending	10	15	14	18
Min. Diameter of idler (mm)	30	60	60	150
Min. Number teeth on pulley with back bending	15	20	20	20
Min. Diameter of back idler (mm)	30	60	80	180



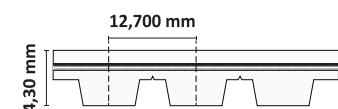
#### EE-XL

Belt Width (inchX10)	025	031	037	050	075	100	150	200	400
Belt Width (mm)	6.35	7.94	9.53	12.7	19.1	25.4	38.1	50.8	101.6
Max Traction Load (N)	200	245	310	410	620	860	1230	1740	3510
Breaking Strength (N)	760	930	1100	1500	2300	3200	4600	6600	13300
Belt Weight (g/m)	15	20	25	30	45	60	90	120	245



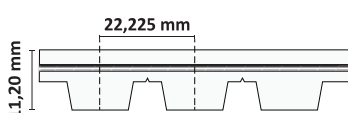
#### EE-L

Belt Width (inchX10)	050	075	100	150	200	300	400
Belt Width (mm)	12.7	19.1	25.4	38.1	50.8	76.2	101.6
Max Traction Load (N)	1100	1750	2300	3530	4800	7150	9600
Breaking Strength (N)	4200	6600	8700	13400	18200	21200	36500
Belt Weight (g/m)	50	80	100	150	200	300	400



#### EE-H

Belt Width (inchX10)	050	075	100	150	200	300	400	600
Belt Width (mm)	12.7	19.1	25.4	38.1	50.8	76.2	101.6	152.4
Max Traction Load (N)	1300	2100	2800	4400	6000	8900	12000	18000
Breaking Strength (N)	4700	7500	11000	15800	21500	32000	43300	64850
Belt Weight (g/m)	60	90	120	180	240	360	480	720



#### EE-XH

Belt Width (inchX10)	100	200	300	400	600
Belt Width (mm)	25.4	50.8	76.2	101.6	152.4
Max Traction Load (N)	4000	8300	12300	16700	24500
Breaking Strength (N)	14000	28500	43000	58400	86000
Belt Weight (g/m)	270	540	810	1080	3240

2.2.8 EXTRUDED ENDLESS TIMING BELT FLEX IMPERIAL TOOTH

Applications



Packaging



Wood

Marking

<b>CMW</b>	<b>1700-EE-H-0075-PU-S</b>	batch code/worker code
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<b>CMW</b>	<b>2385-EE-L-0100-PU-K</b>	batch code/worker code
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Product Codification

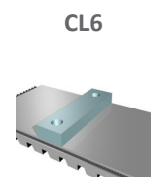
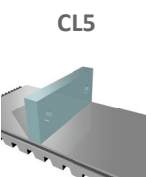
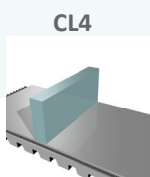
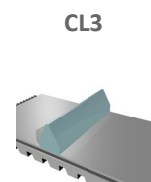
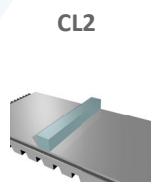
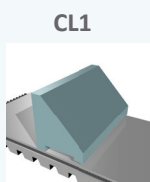
2760-EE-XL-0050-PU-S means

<b>2760</b>	<b>EE</b>	<b>XL</b>	<b>0050</b>	<b>PU</b>	<b>S</b>
Length in inches x 10 276 inches - 7021,44mm	Extruded Endless Flex	Section XL Pitch 1/5 inches / 5,080 mm	Width in inches x 10 0,5 inches - 12,7mm	PU White	Steel cord

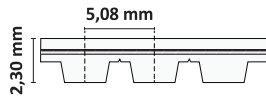
1700-EE-H-0075-PU-S-PAZ means

<b>1700</b>	<b>EE</b>	<b>H</b>	<b>0075</b>	<b>PU</b>	<b>S</b>	<b>PAZ</b>
Length in inches x 10 170 inches - 4318,00mm	Extruded Endless Flex	Section H Pitch 1/2 inches / 12,700 mm	Width in inches x 10 0,75 inches - 19,1mm	PU White	Steel cord	Green nylon on back

Example of availables Cleats & Backing, consult us:



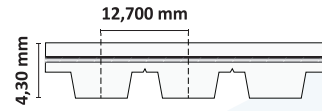
2.2.8 EXTRUDED ENDLESS TIMING BELT FLEX IMPERIAL TOOTH



EE-XL

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-XL-0025-PU-S	3666445001322
EE-XL-0031-PU-S	3666445001315
EE-XL-0037-PU-S	3666445001308
EE-XL-0050-PU-S	3666445001292
EE-XL-0075-PU-S	3666445001285
EE-XL-0100-PU-S	3666445001278
EE-XL-0150-PU-S	3666445001261
EE-XL-0200-PU-S	3666445001254
EE-XL-0400-PU-S	3666445001247

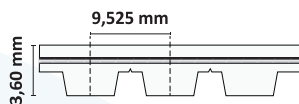


EE-L

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-L-0050-PU-S	3666445001230
EE-L-0075-PU-S	3666445001223
EE-L-0100-PU-S	3666445001216
EE-L-0150-PU-S	3666445001209
EE-L-0200-PU-S	3666445001193
EE-L-0300-PU-S	3666445001186
EE-L-0400-PU-S	3666445001179

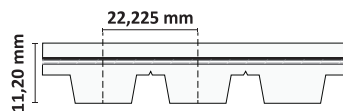
2.2.8 EXTRUDED ENDLESS TIMING BELT FLEX IMPERIAL TOOTH



EE-H

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-H-0050-PU-S	3666445001162
EE-H-0075-PU-S	3666445001155
EE-H-0100-PU-S	3666445001148
EE-H-0150-PU-S	3666445001131
EE-H-0200-PU-S	3666445001124
EE-H-0300-PU-S	3666445001117
EE-H-0400-PU-S	3666445001100
EE-H-0600-PU-S	3666445001094



EE-XH

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-XH-0100-PU-S	3666445001087
EE-XH-0200-PU-S	3666445001070
EE-XH-0300-PU-S	3666445001063
EE-XH-0400-PU-S	3666445001056
EE-XH-0600-PU-S	3666445001049



## 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.

### **CMW Power Transmission SAS**

21 Avenue de l'Industrie, 69960 Corbas, France  
+33 4 28 29 29 82 | **email** [info@cmwpt.com](mailto:info@cmwpt.com)