



DRIVE DESIGN
AND TECHNICAL MANUAL

EXTRUDED ENDLESS
TIMING BELT FLEX
METRIC TOOTH

**DRIVE BELT
TECHNOLOGY .**

SECTION 2.2.9 | TIMING BELTS | POLYURETHANE BELTS

ISO CD 17396 / DIN 7721 PART 1

EXTRUDED ENDLESS TIMING BELT FLEX METRIC TOOTH

T5, T10, AT5, AT10, T20, AT20, ATK10, ATP10, BAT10 AND DT5, DT10, DAT10

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.

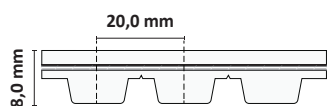
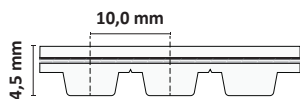
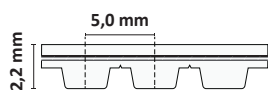
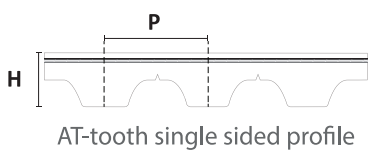
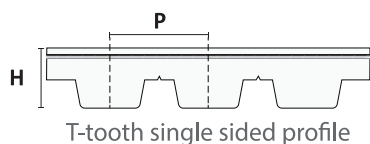


Tooth profile as trapezoidal matching the ISO/CD 17396.

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 / CD 17396	EE-T5	EE-T10	EE-T20
Pitch (mm)	5.0	10.0	20.0
Height (mm)	1.2	2.5	5.0
Width (mm)	2.65	5.30	10.15
Belt thickness (mm)	2,2 +/-0,15	4,5 +/-0,3	8,0 +/-0,45
Min. Number teeth on pulley without back bending	10	12	15
Min. Diameter of idler (mm)	30	60	120
Min. Number teeth on pulley with back bending	15	20	25
Min. Diameter of back idler (mm)	30	60	120

ISO / CD 17396	EE-AT5	EE-AT10	EE-AT20
Height (mm)	1.2	2.5	5.0
Width (mm)	2.5	5.0	10.0
Belt thickness (mm)	2,7 +/-0,2	5,0 +/-0,3	8,0 +/-0,45
Min. number teeth on pulley without back bending	15	15	18
Min. diameter of idler (mm)	25	50	120
Min. number teeth on pulley with back bending	20	20	25
Min. diameter of back idler (mm)	30	120	180

EE-T5

Belt Width (mm)	10	16	25	32	50	75	100	150
Max Traction Load (N)	300	500	820	1100	1700	2600	3430	5140
Breaking Strength (N)	120	2000	3200	4200	6450	9600	12300	17950
Belt Weight (g/m)	25	45	70	90	140	210	280	320

EE-T10

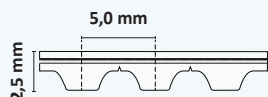
Belt Width (mm)	12	16	25	32	50	75	100	150
Max Traction Load (N)	1000	1450	2230	3000	4600	7000	9400	14100
Breaking Strength (N)	4020	5800	8700	11400	17020	25180	32950	49400
Belt Weight (g/m)	60	80	125	160	250	375	500	750

EE-T20

Belt Width (mm)	25	32	50	75	100	150
Max Traction Load (N)	4000	5120	8100	12400	16400	24800
Breaking Strength (N)	16000	19970	30750	45800	59000	86750
Belt Weight (g/m)	200	260	400	600	800	1200

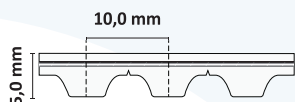
2.2.9 EXTRUDED ENDLESS TIMING BELT FLEX METRIC TOOTH

EE-AT5



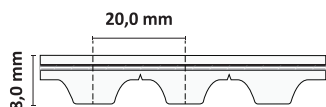
Belt Width (mm)	10	16	25	32	50	75	100	150
Max Traction Load (N)	810	1350	2210	2970	4590	7000	9200	13900
Breaking Strength (N)	3240	5400	8600	11290	16980	25200	32200	49350
Belt Weight (g/m)	30	50	80	110	160	240	320	480

EE-AT10



Belt Width (mm)	16	25	32	50	75	100	150
Max Traction Load (N)	2400	4000	5100	8000	12300	16380	26810
Breaking Strength (N)	9600	15550	19300	29600	44300	58950	98400
Belt Weight (g/m)	100	150	190	300	450	600	900

EE-AT20



Belt Width (mm)	25	32	50	75	100	150
Max Traction Load (N)	5800	7900	12100	18450	24300	36600
Breaking Strength (N)	23200	30800	46000	68200	87500	128000
Belt Weight (g/m)	240	310	480	720	980	1440

Applications



Packaging



Wood

Marking



6575-EE-AT5-50-PU-S-PAZ

batch code/worker code



12200-EE-T20-100-PU-SS-2/PU

batch code/worker code

Product Codification

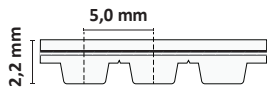
18210-EE-T10-150-PU-S means

18210	EE	T10	150	PU	S
Length / 18210,00 mm	Extruded Endless	Section T10	Width 150,0mm	PU White	Steel cord
	Flex	Pitch 10,00 mm			

6000-EE-AT5-16-PU-S-PAR-3/PU means

6000	EE	AT5	16	PU	S	PAR	3/PU
Length / 6000,00 mm	Extruded Endless	Section AT5	Width 16,0mm	PU White	Steel cord	Green nylon on back	3mm PU foam on back
	Flex	Pitch 5,00 mm					

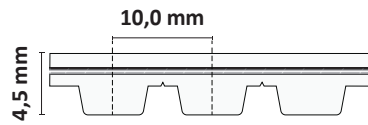
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EE-T5

Standard Belt Range

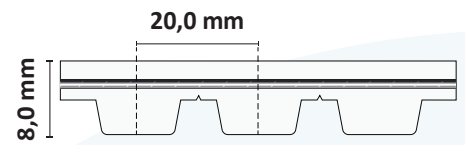
CMW Product code	GTIN (EAN) code
EE-T5-10-PU-S	3666445001032
EE-T5-16-PU-S	3666445001025
EE-T5-25-PU-S	3666445001018
EE-T5-32-PU-S	3666445001001
EE-T5-50-PU-S	3666445000998
EE-T5-75-PU-S	3666445000981
EE-T5-100-PU-S	3666445000974
EE-T5-150-PU-S	3666445000967



EE-T10

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-T10-12-PU-S	3666445000950
EE-T10-16-PU-S	3666445000943
EE-T10-25-PU-S	3666445000936
EE-T10-32-PU-S	3666445000929
EE-T10-50-PU-S	3666445000912
EE-T10-75-PU-S	3666445000905
EE-T10-100-PU-S	3666445000899
EE-T10-150-PU-S	3666445000882

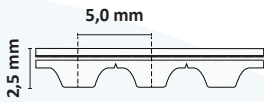


EE-T20

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-T20-25-PU-S	3666445000875
EE-T20-32-PU-S	3666445000868
EE-T20-50-PU-S	3666445000851
EE-T20-75-PU-S	3666445000844
EE-T20-100-PU-S	3666445000837
EE-T20-150-PU-S	3666445000820

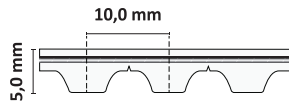
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EE-AT5

Standard Belt Range

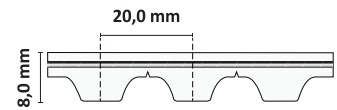
CMW Product code	GTIN (EAN) code
EE-AT5-10-PU-S	3666445000813
EE-AT5-16-PU-S	3666445000806
EE-AT5-25-PU-S	3666445000790
EE-AT5-32-PU-S	3666445000783
EE-AT5-50-PU-S	3666445000776
EE-AT5-75-PU-S	3666445000769
EE-AT5-100-PU-S	3666445000752
EE-AT5-150-PU-S	3666445000745



EE-AT10

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-AT10-16-PU-S	3666445000738
EE-AT10-25-PU-S	3666445000721
EE-AT10-32-PU-S	3666445000714
EE-AT10-50-PU-S	3666445000707
EE-AT10-75-PU-S	3666445000691
EE-AT10-100-PU-S	3666445000684
EE-AT10-150-PU-S	3666445000677



EE-AT20

Standard Belt Range

CMW Product code	GTIN (EAN) code
EE-AT20-25-PU-S	3666445000660
EE-AT20-32-PU-S	3666445000653
EE-AT20-50-PU-S	3666445000646
EE-AT20-75-PU-S	3666445000639
EE-AT20-100-PU-S	3666445000622
EE-AT20-150-PU-S	3666445000615



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