

**CHIORINO**<sup>®</sup>  
1906

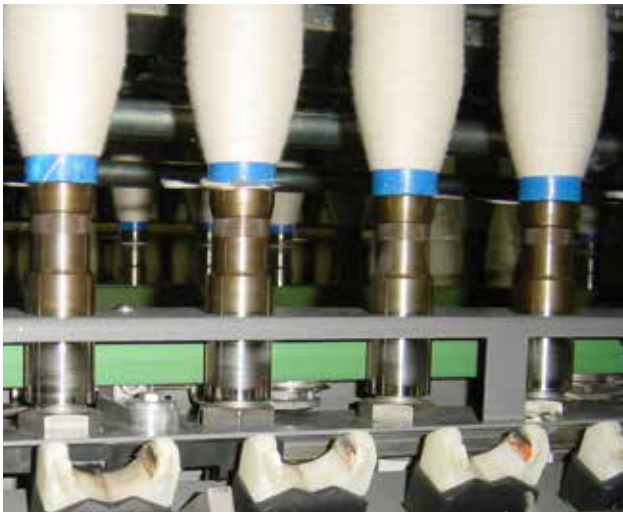
*Passion for belting*

**Your partner  
for energy saving  
and production safety**

## Power transmission belts



**T Series**



# Power transmission belts

You can choose from the Chiorino Thermoplastic power transmission belts for high speed machines, when your main goal is to reduce energy consumption, or you can decide for the robust and resilient Polyamide power transmission belts, especially known for their reliability and safety.

## T-A

Aramid belt  
with **CHIO-TPE™**  
intermediate layer



### KEY FEATURES

- Reduced energy consumption
- Highly flexible traction layer
- High Modulus of belt elasticity run at very low initial working tension
- Adhesive free jointing method
- Excellent service life

### APPLICATION CRITERIA

- Suitable for long machines with limited take-up
- Low spindle rpm deviation from first to last spindle, leading to uniform yarn twist
- High transmittable power

## T-E

Polyester belts  
with **CHIO-TPE™**  
intermediate layer



### KEY FEATURES

- High longitudinal flexibility
- High modulus of belt elasticity
- High internal adhesion
- No rubber cracking
- Quiet Running
- Simple & easy installation
- Adhesive free jointing method
- Reduced energy consumption
- Long service life

### APPLICATION CRITERIA

- Suitable for high speed machines with small pulley diameters and numerous reverse bendings
- Suitable for long machines with limited take-up
- Suitable for long, highspeed machines

## T-E OE

Polyester belts  
with **CHIO-TPE™**  
intermediate layer



### KEY FEATURES

- New advanced elastomer compound enabling an adequate rotor starting up time
- Proprietary thermoplastic interply, second generation of CHIO-TPE™ to deliver ideal flexibility
- Grinded surface, very high thickness tolerances minimizing rotor vibration

### APPLICATION CRITERIA

- Suitable for high speed machines with small pulley diameters and numerous reverse bendings
- Suitable for long machines with limited take-up
- Suitable for long, highspeed machines

## T HS

Polyamide belts  
with **HS®** elastomer cover



### KEY FEATURES

- Permanently Antistatic
- Excellent wear resistance
- Robust, resilient & dimensionally stable polyamide
- Long Service Life
- Resistant to oil
- High temperature resistance
- Low aging property of the HS® elastomer
- Constant coefficient of friction

### APPLICATION CRITERIA

- Suitable for high mechanical stress
- Suitable for aggressive acceleration
- Suitable for extreme environments
- Suitable for short term overload

# Technical data

Code	Type	Top and driving surface	Traction core	Perm. antist.	Total thicken.	Min. diam. <sup>(1)</sup>	K1% rel.	Temperature resistance		Carding	Draw frame	OE spinning	Ring spinning	TFO Spun yarn	TFO Filament	Draw textured Yarn	Covering	Overhead cleaner	Circular knitting
								mm	mm										

## Thermoplastic belts with *CHIO-TPE* intermediate layer

T-A Aramid																				
CG-256	<b>T60/30A</b>	Elastomer	Aramid	•	3.00	80	60	-20	80											
T-E Polyester																				
CG-325	<b>T25/20E</b>	Elastomer	Polyester	•	2.00	25	17	-20	80	•	•		•							
CG-331	<b>T25/25E</b>	"	"	•	2.50	40	17	-20	80	•	•	•	•					•		
CG-329	<b>T40/25E</b>	"	"	•	2.50	50	18	-20	80			•								
CG-332	<b>T40/30E</b>	"	"	•	3.00	50	19	-20	80				•							
CG-328	<b>T55/30E</b>	"	"	•	3.00	50	25	-20	80				•	•						
T-E OE Polyester																				
CG-317	<b>T40/26E-OE</b>	Elastomer	Polyester	•	2.60	50	18	-20	80			•								

## Polyamide belts with *HS* elastomer cover

CG-334	<b>T0 HS</b>	HS <sup>®</sup> Elastomer	Polyamide	•	1.40	20	2	-20	100											
CG-335	<b>T1 HS</b>	"	"	•	1.50	25	5	-20	100											
CG-341	<b>T1R HS</b>	"	"	•	2.10	25	5	-20	100	•										
CG-336	<b>T2 HS</b>	"	"	•	2.35	60	8	-20	100		•									
CG-342	<b>T2R HS</b>	"	"	•	3.00	60	8	-20	100											
CG-337	<b>T3 HS</b>	"	"	•	2.60	100	11	-20	100	•	•	•								
CG-343	<b>T3R HS</b>	"	"	•	3.20	100	11	-20	100				•							
CG-338	<b>T4 HS</b>	"	"	•	3.10	150	12.5	-20	100	•			•	•						
CG-344	<b>T4R HS</b>	"	"	•	3.90	150	12.5	-20	100				•	•						
CG-339	<b>T6 HS</b>	"	"	•	3.50	200	18	-20	100				•							

(1) The diameter values listed here are dependent upon the running speed.  
The data in this chart are valid under normal environmental conditions and are subject to change without notice.

# Customer benefits

## Thermoplastic belts with *CHIO-TPE*™ intermediate layer

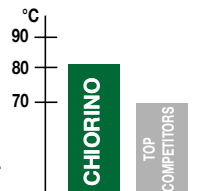
### Reduced energy consumption

Chiorino thermoplastic belts consume less energy compared with competitors thermoplastic belts, thanks to the highly flexible CHIO-TPE™ intermediate layer.



### High temperature resistance

Chiorino thermoplastic belts provide a higher temperature resistance compared with competitor thermoplastic belts, thanks to the unique CHIO-TPE™ intermediate layer.



### Reliable FASTJOINT

The FAST JOINT technology in combination with the new CHIO-TPE™ intermediate layer, enables easy on-site joining, high reliability and long service life.



## Polyamide belts with *HS*® elastomer cover

### High abrasion resistance

The unique HS® friction covers provide an excellent abrasion resistance and a uniform coefficient of friction over time.



### Excellent resilience

The unique HS® elastomer offers outstanding resilience, high elasticity and crack resistance.



### Long service life

Chiorino polyamide belts provide a long service life, thanks to the low aging property of the HS® covers.



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