

CHIORINO[®]
1906

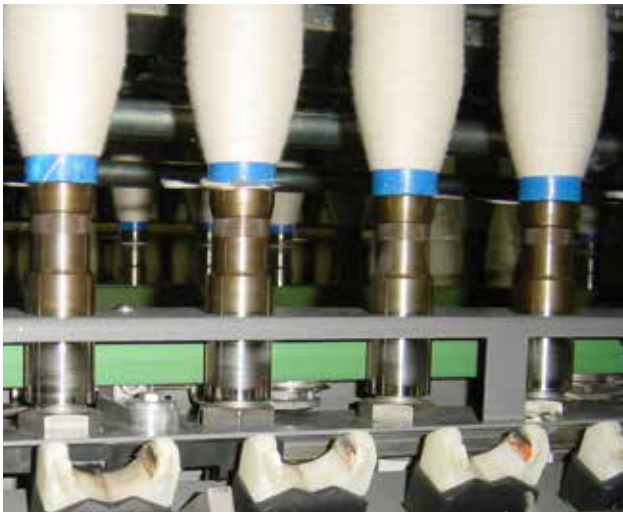
Passion for belting

**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. ⁽¹⁾	K1% rel.	Temperature resistance		Carding	Draw frame	OE spinning	Ring spinning	TFO Spun yarn	TFO Filament	Draw textured Yarn	Covering	Overhead cleaner	Circular knitting
								min. °C	max. °C										
					mm	mm	N/mm												

Thermoplastic belts with *CHIO-TPE* intermediate layer

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

Polyamide belts with *HS* elastomer cover

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

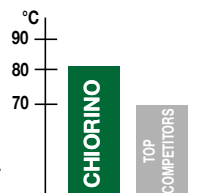
Reduced energy consumption

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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