

**CHIORINO**<sup>®</sup>  
1906

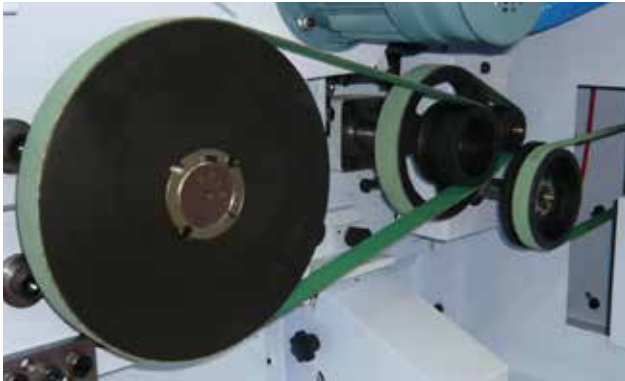
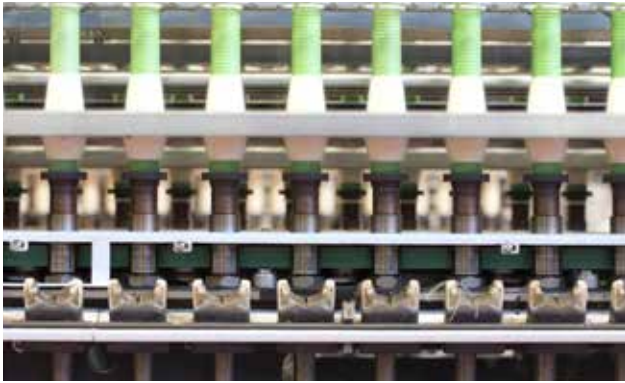
*Passion for belting*

**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.

## Key features

## Application criteria

### T-A

Aramid belt with *CHIO-TPE™* intermediate layer



- High modulus of belt elasticity
- Reduced energy consumption

- 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



- High longitudinal flexibility
- High modulus of belt elasticity
- Uniform belt thickness, gentle and vibration free running
- Reduced energy consumption

- 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



- Robust and resilient
- Suitable for short term overload
- High temperature resistance

- Suitable for high mechanical stress
- Suitable for aggressive acceleration
- Suitable for extreme environments

# Technical data

Code	Type	Top surface	Traction core	Driving surface	Permanent antistatic	Total thickness	Minimum diameter <sup>(1)</sup>	K1% rel.	Temperature resistance	
									mm	mm

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

Aramid line										
CG-256	<b>T60/30A</b>	elastomer	aramid	elastomer	•	3.00	50	60	-20	80
Polyester line										
CG-279	<b>T25/20E</b>	elastomer	polyester	elastomer	•	2.00	25	17	-20	80
CG-274	<b>T25/25E</b>	"	"	"	•	2.50	40	17	-20	80
CG-265	<b>T40/25E</b>	"	"	"	•	2.50	50	18	-20	80
CG-280	<b>T40/30E</b>	"	"	"	•	3.00	50	19	-20	80

## Polyamide belts with *HS* elastomer cover

CG-287	<b>T0 HS</b>	HS <sup>®</sup> elastomer	polyamide	HS <sup>®</sup> elastomer	•	1.40	20	2	-20	100
CG-286	<b>T1 HS</b>	"	"	"	•	1.50	25	5	-20	100
CG-300	<b>T1R HS</b>	"	"	"	•	2.10	25	5	-20	100
CG-272	<b>T2 HS</b>	"	"	"	•	2.35	60	8	-20	100
CG-301	<b>T2R HS</b>	"	"	"	•	3.00	60	8	-20	100
CG-273	<b>T3 HS</b>	"	"	"	•	2.60	100	11	-20	100
CG-302	<b>T3R HS</b>	"	"	"	•	3.20	100	11	-20	100
CG-229	<b>T4 HS</b>	"	"	"	•	3.10	150	12.5	-20	100
CG-243	<b>T4R HS</b>	"	"	"	•	3.90	150	12.5	-20	100
CG-252	<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

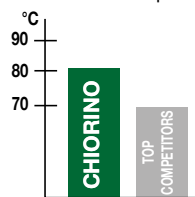
### Reduced energy consumption

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<sup>®</sup> friction covers provide an excellent abrasion resistance and a uniform coefficient of friction over time.



### Excellent resilience

The unique HS<sup>®</sup> 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<sup>®</sup> covers.



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