CHIORINO®
1906

FLAT TRANSMISSION BELTS

TECHNICAL DATA SHEET

CODE	CG-27	TYPE	LT3

COMPOSITION

Top surface

material	Polyurethane (TPU)
finish	FL
colour	Red
coefficient of friction	0.3

Traction core

material	Polyamide (PA)

Bottom surface

material	Leather
finish	---
colour	Grey
coefficient of friction	0.4
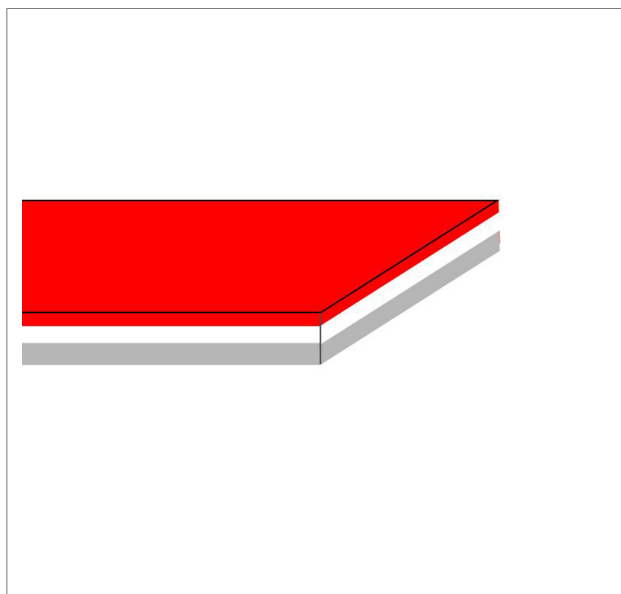
TECHNICAL SPECIFICATIONS

Total thickness	3.30 mm	*0.13*	*in.*
Weight	3.40 kg/m²	*0.69*	*lbs./sq.ft*

Minimum pulley diameter (1)   100 mm   *3.9 in.*

(1) The above mentioned values depend on running speed

Pull for 1% elongation	10.0 N/mm	*57*	*lbs./in.*
Tensile strength	400 N/mm	*2284*	*lbs./in.*

Temperature resistance (2)	min.	0 °C	*32*	*°F*
	max	80 °C	*176*	*°F*

(2) Use of the belt with limit values may reduce its life

Humidity influence	yes
Permanent antistatic dynamically (UNI EN ISO 21179)	no
Both sides can be used for power transmission	no

SUITABLE FOR

Paper industry

Flour mills

FEATURES

- Well performing with severe overload applications, as they allow temporary sliding on pulleys without getting damaged

COMPLIANCES

REACH Regulation EC 1907/2006 and amendments

NOTES

Belts with chrome leather driving surface

Suitable for live roller drives

Issue: 07-06-2006   Last Update: 28-10-2013

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FLAT TRANSMISSION BELTS	JOINING DATA SHEET

CODE CG-27	**TYPE**	**LT3**

· Recommended joining procedure — SKIVED JOINT '2'

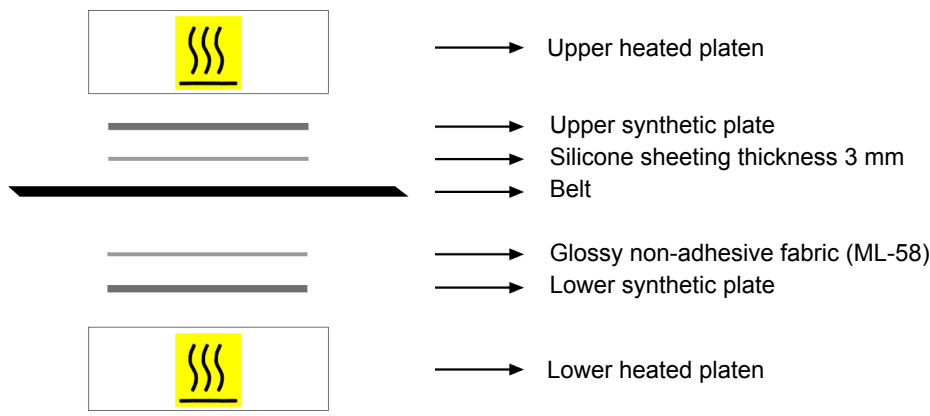Check our general catalogue to get further info on CHIORINO joining methods.

· Skiving instructions

Skiver	Belt thickness mm	Length mm	Straight/ diagonal cut	Cam/ wedge number	Pulley				Top cover			
					T mm	B mm	Thickness adjustment	End stop switch of working plate	T mm	B mm	Thickness adjustment	End stop switch of working plate
B600 A	3.5	75	Diagonal	1.5-10	53	1	18,05	---	50	10	16,90	---
B300 SA	3.5	75	Diagonal	1.5-10	55	1	11-12	---	52	12	10-12	---

· Guide to the use of adhesives

Pour the **I hardener** with the **R cement** (pot life 2 hours), then apply a thin layer of this mix on the leather area of the splice, lightly tapping with the brush. Wait until it dries.
Spread the **K cement** on the polyamide area of the skive and allow it to dry for 5 minutes.
Spread again the **R+I mix** on the leather area, again in a thin layer and let it dry for 5 minutes, then match the belt ends, checking their perfect alignment.
Press according to the instructions shown. To ensure best joint life it is advisable not to run or tension the belt for 24 hours.
Kit: **GUMMICOL**

· Layout of components

Upper heated platen

Upper synthetic plate
Silicone sheeting thickness 3 mm
Belt

Glossy non-adhesive fabric (ML-58)
Lower synthetic plate

Lower heated platen

Press settings	
Upper platen temperature	90 °C
Lower platen temperature	90 °C
Curing time in press	15 min.
Driving torque	30
Cooling time: it is recommended to remove the belt from the press once a temperature of 60/70 degrees C is reached.	

· Notes

Issue: 10-12-2005   Last Update: 30-01-2014