FLAT TRANSMISSION BELTS

TECHNICAL DATA SHEET

CODE CG-332 **TYPE** **T40/30E**

COMPOSITION

Top surface	material	Synthetic elastomer
	finish	FL
	colour	Green
	coefficient of friction	0,7
Traction core	material	Polyester (PET)
Bottom surface	material	Carboxylic elastomer (XNBR)
	finish	FL
	colour	Black
	coefficient of friction	0,7

TECHNICAL SPECIFICATIONS

Total thickness		3.00 mm	*0.12 in.*
Weight		3.50 kg/m²	*0.71 lbs./sq.ft*
Minimum pulley diameter (1)		50 mm	*2.0 in.*
(1) The above mentioned values depend on running speed			
Pull for 1% elongation		19 N/mm	*109 lbs./in.*
Tensile strength		245 N/mm	*1399 lbs./in.*
Temperature resistance (2)	min.	-20 °C	*-4 °F*
	max	80 °C	*176 °F*
(2) Use of the belt with limit values may reduce its life			
Humidity influence		no	
Permanent antistatic dynamically (UNI EN ISO 21179)		yes	
Both sides can be used for power transmission		yes	

SUITABLE FOR

Textile: tangential drives

Materials handling: multiple drives

Paper industry

Wood industry

FEATURES

- Highest power transmission at reduced initial working tension
- Dimensionally stable regardless of weather changes
- Excellent silent running
- Belt can be run in either direction
- Low energy absorption

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

The value indicated in the "Pull for 1% elongation" field refers to the relaxed K value.

Joining methods: "FAST JOINT" system without using adhesives.

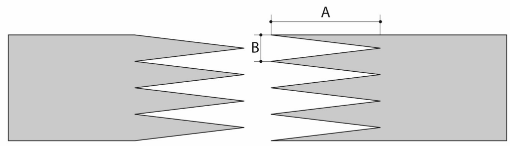
Issue: 09-04-2019 Last Update: 9-04-2019

FLAT TRANSMISSION BELTS

JOINING TECHNICAL DATA SHEET

CODE CG-332 **TYPE** **T40/30E**

• Recommended joining procedure SINGLE Z



A = 110 mm
B = 12 mm

Other joining methods can be used:

MICRO Z
FAST JOINT SINGLE Z

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

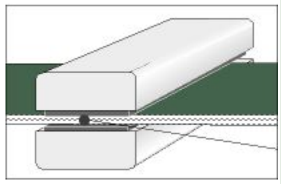
• Pressing

Heating press **P \ PL \ PLS**

Press settings	
Upper platen temperature	185 °C
Lower platen temperature	185 °C
Temperature gauge setting	10 °C
Curing time in press	2 min.
Pressure	2.5 bar
Film	none
Cement	---

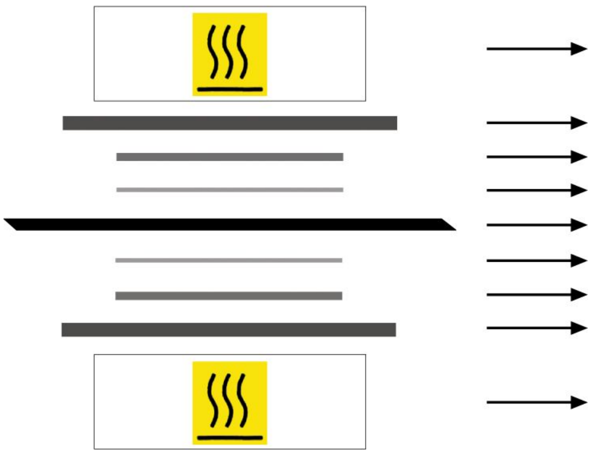
Advice for the press adjustment:

1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.



2. Allow the cooling cycle to be completed before removing the belt from the press.
3. A reliable strength of the joint is ensured, providing that temperatures reached by the press are those indicated in the table at side.
A periodical inspection of the thermostats is recommended, to make sure they function correctly.

• Layout of components



Upper heated platen
Upper synthetic plate
Silicone sheeting thickness 3 mm

Belt

Silicone sheeting thickness 3 mm
Lower synthetic plate
Lower heated platen

• Notes

The curing time can vary according to the used press.
It is advisable to perform a joining test with the purpose of refining, if necessary, the value of time useful to reach the temperature of 170° C measured by the feeler.

Issue: 08-04-2019 Last Update: 08-04-2019

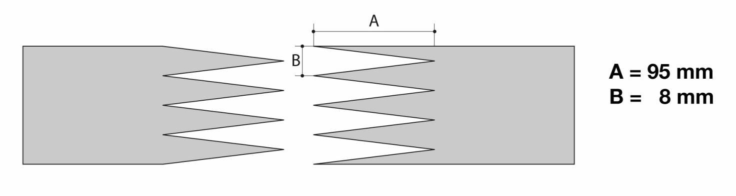
CHIORINO S.p.A. - VIA S. AGATA, 9 - 13900 BIELLA - ITALIA - P.O.B. 460 - TEL. +39-015-8489.1 - FAX +39-015.8496161
chiorino@chiorino.com - www.chiorino.com

FAST JOINT CONVEYOR AND PROCESS BELTS

BELT JOINING DATA SHEET

CODE CG-332 TYPE **T40/30 E**

• Recommended joining procedure FAST JOINT SINGLE Z



A = 95 mm
B = 8 mm

Other joining methods can be used:

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

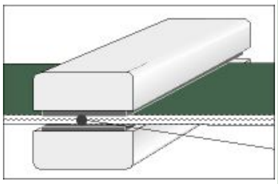
• Pressing

Heating press P120 FJ

Press settings	
Upper platen temperature	200 °C
Lower platen temperature	200 °C
Temperature gauge setting	--- °C
Curing time in press	8 min.
Cooling time	15 min.

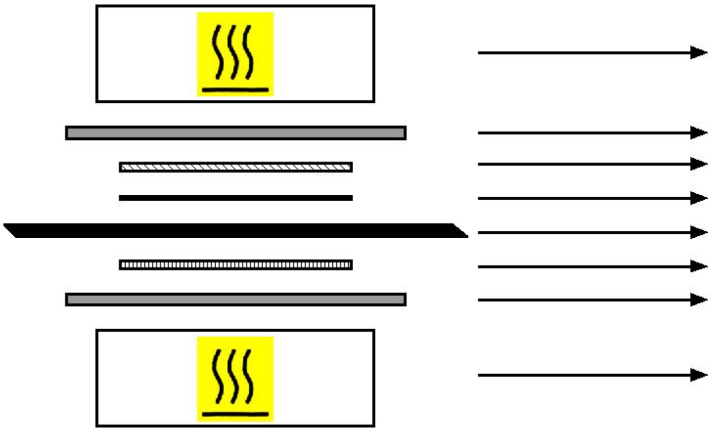
Advice for the press adjustment:

1. Use the KM330 thermometer to check the effective temperature inside the belt. Place the thermometer gauge as shown by the drawing at side.



2. Allow the cooling cycle to be completed before removing the belt from the press.
3. A reliable strength of the joint is ensured, providing that temperatures reached by the press are those indicated in the table at side.
   A periodical inspection of the thermostats is recommended, to make sure they function correctly.

• Layout of components



• Notes

Issue: 31-05-2019 Last Update: 31-05-2019

CHIORINO S.p.A. - VIA S. AGATA, 9 - 13900 BIELLA - ITALIA - P.O.B. 460 - TEL. +39-015-8489.1 - FAX +39-015.8496161
chiorino@chiorino.com - www.chiorino.com