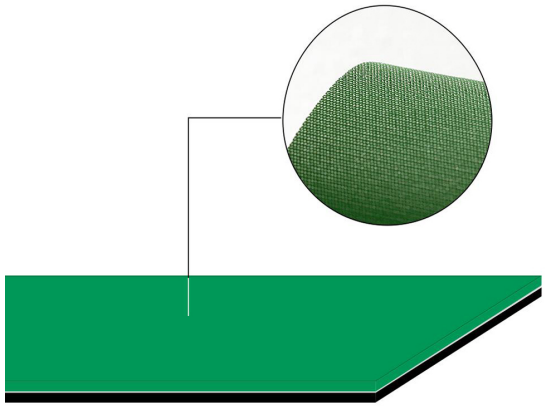
CONVEYOR AND PROCESS BELTS

TECHNICAL DATA SHEET

PT1.4 EL G3-G3 FL

COMPOSITION

Conveying surface	Material	Synthetic elastomer		
	Thickness	0.25 mm	*0.010*	*in.*
	Surface pattern	FL		
	Colour	Green		
	Coefficient of friction	HF		
Textile carcass	Material	Polyurethane (TPU)		
	Plies no.	---		
	Weft type	---		
Driving surface	Material	Synthetic elastomer		
	Thickness	0.25 mm	*0.010*	*in.*
	Surface pattern	FL		
	Colour	Black		



TECHNICAL SPECIFICATIONS

Total thickness	1.40 mm	*0.06*	*in.*
Weight	1.50 kg/m²	*0.31*	*lbs./sq.ft*
Elongation at 8%	2,5 N/mm	*14.0*	*lbs./in.*
Max. admissible pull	2,5 N/mm	*14.3*	*lbs./in.*
Temperature resistance (1) min.	-10 °C	*14*	*°F*
max.	+60 °C	*140*	*°F*

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

Minimum roller diameter (2)

Knife edge	no		
Bending roller	15 mm	*0.6*	*in.*
Counter-bending roller	15 mm	*0.6*	*in.*

(2) The above mentioned values depend on the type of CHIORINO joint recommended.

Coefficient of friction on driving surface

Raw steel sheet	0.40 [-]
Laminated plastic/wood	0.50 [-]
Steel roller	0.40 [-]
Rubberized roller	0.60 [-]

Max. production width	1600 mm	*63*	*in.*

SUITABLE FOR

Box folding industry
Printing and graphic
Packaging
Check weighers

Postal automation

FEATURES

Humidity influence	no
Suitable to metal detector	no
Permanent antistatic dynamically (UNI EN ISO 21179)	yes
Static conductivity (UNI EN ISO 284)	yes
Conveying on skid bed	yes
Conveying on rollers	yes
Conveying on skid bed on top and return	no
Troughed conveying	yes
Swan neck conveying	no
Inclined conveying	yes
Accumulators belts	no
Curved conveyor	no
Chemical resistances link	8

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

PRODUCT CODE NA1177

Last Update: 18-02-2019

DISCLAIMER
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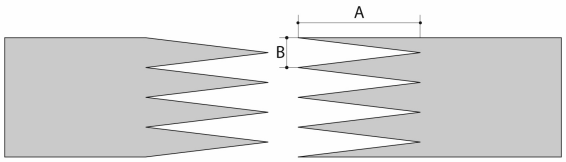
PT1.4 EL G3-G3 FL

Recommended joining procedure MICRO Z - 30 x 6 mm



A = 30 mm
B = 6 mm

Other joining methods can be used:

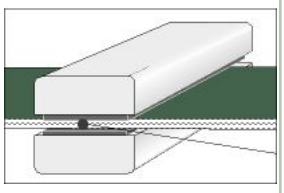
Check our general catalogue to get further info on CHIORINO joining methods.

• Pressing

Heating press **P \ PL \ PLS**

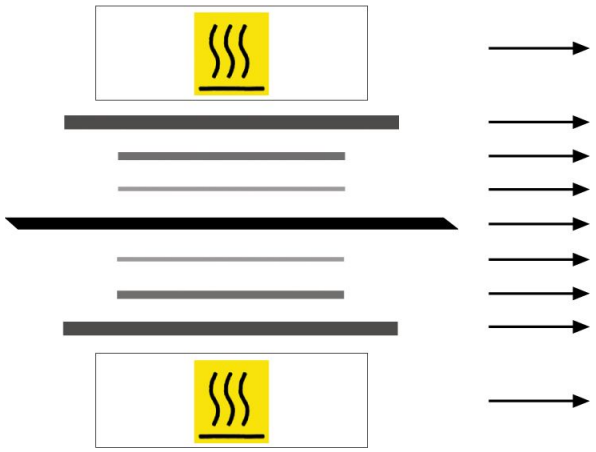
Press settings	
Upper platen temperature	160 °C
Lower platen temperature	160 °C
Temperature gauge setting	160 °C
Curing time in press	3 min.
Pressure	3 bar
Film	none
Cement	---

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
FL silicone pad (IG22)

Belt
Adhesive belt (AC401)
FL silicone pad (IG22)
Lower synthetic plate

Lower heated platen

• Notes

PRODUCT CODE NA1177

Last Update: 30-01-2014

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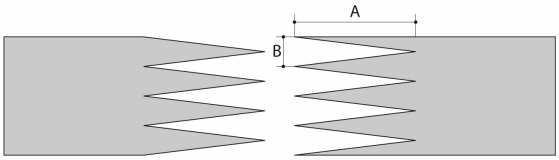
FAST JOINT CONVEYOR AND PROCESS BELTS **BELT JOINTING DATA SHEET**

PT1.4 EL G3-G3 FL

• Recommended jointing procedure "FAST JOINT" MICRO Z



A = 30 mm
B = 6 mm

Other jointing methods can be used:

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

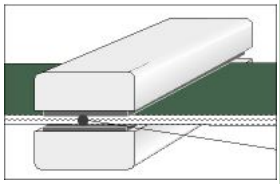
• Pressing

Heating press P50 FJ

Press settings	
Upper platen temperature	180 °C
Lower platen temperature	180 °C
Temperature gauge setting	180 °C
Curing time in press	4 min.
Cooling time	10 min.

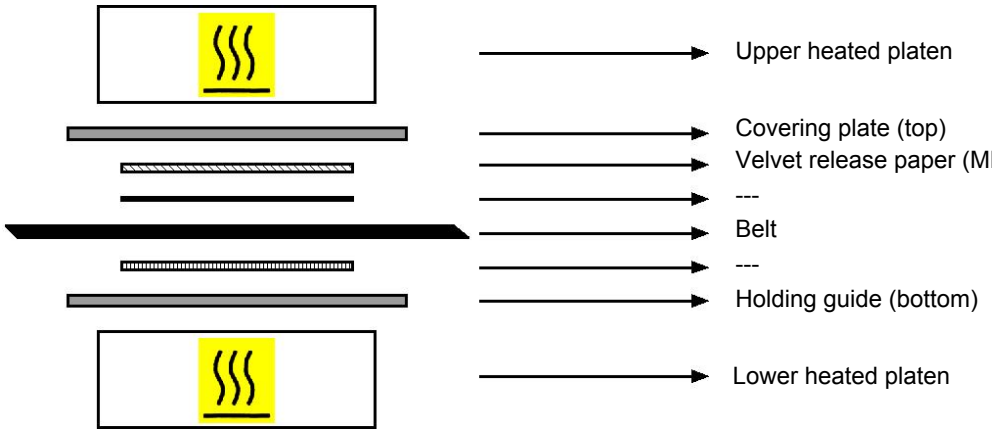
Advice for the press adjustment:

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

PRODUCT CODE NA1177 Last Update:

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