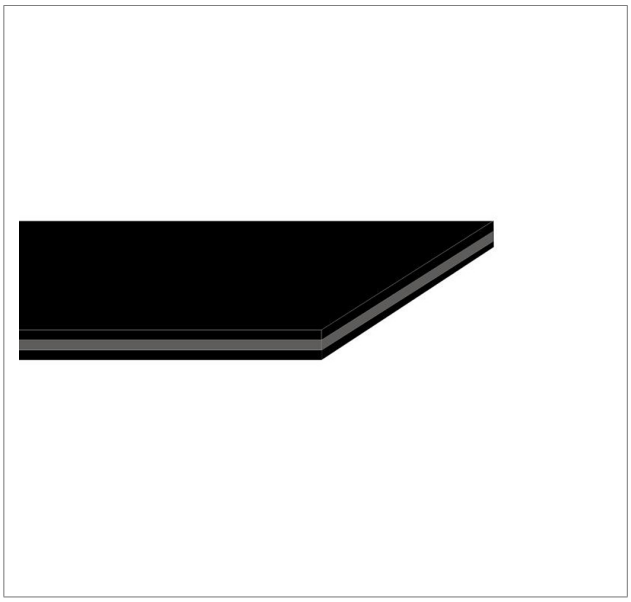
FLAT TRANSMISSION BELTS

TECHNICAL DATA SHEET

CODE CG12 **TYPE** **Z9**

COMPOSITION

Top surface	Material	Polyurethane (TPU)
	Finish	Fabric
	Colour	Black
	Coefficient of friction	0,3
Traction core	Material	Polyamide (PA)
Bottom surface	Material	Synthetic elastomer
	Finish	Fabric
	Colour	Black
	Coefficient of friction	0,6



TECHNICAL SPECIFICATIONS

Total thickness		4.90 mm	*0.19*	*in.*
Weight		5.80 kg/m²	*1.18*	*lbs./sq.ft*
Minimum pulley diameter (1)		300 mm	*11.8*	*in.*
(1) The above mentioned values depend on running spee				
Pull for 1% elongation		30.0 N/mm	*171*	*lbs./in.*
Tensile strength		1200 N/mm	*6852*	*lbs./in.*
Temperature resistance (2)	min.	-20 °C	*-4*	*°F*
	max	100 °C	*212*	*°F*
(2) Use of the belt with limit values may reduce its life				
Humidity influence			yes	
Permanent antistatic dynamically (UNI EN ISO 21179)			yes	
Both sides can be used for power transmission			no	

SUITABLE FOR

Paper industry

Wood industry

Mechanical industry

Marble and granite industry

FEATURES

- Resistance to abrasion
- Resistance to oils and fats
- Resistance to overloads
- Resistance to heat
- Coefficient of friction stable in time

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

High power transmission

Issue: 07-06-2006 Last Update: 2-04-2014

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FLAT TRANSMISSION BELTS

JOINING DATA SHEET

CODE CG12 **TYPE** **Z9**

• Recommended joining procedure

SKIVED JOINT '2'

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

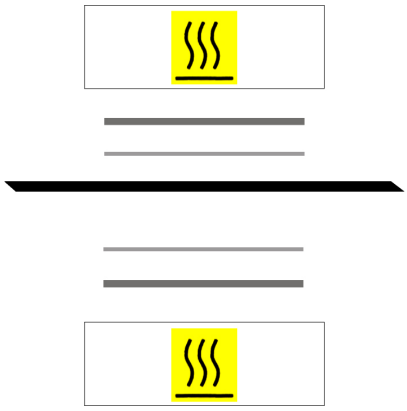
• Skiving instructions

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	4.9	120	Diagonal	3.5-10	98	0	14,65	---	98	7.5	13,85	---
B300 SA	4.9	120	Diagonal	3.5-10	104	0	08-19	---			---	---

• Guide to the use of adhesives

Apply the **K cement** on the polyamide part of the splices. Apply the **H primer** on the elastomer part of the two splices and the **B cement** on the elastomer part of a single splice.
Let dry for 5 minutes, then match the belt ends, paying attention to align properly.
Press according to the instructions shown.
To ensure best joint life it is advisable not to run or tension the belt for 24 hours.

• 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	125 °C
Lower platen temperature	125 °C
Curing time in press	30 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

Referring to our "skiving instructions" table, the wording "fabric side" identifies the fabric side of the belt in contact with the working plate, while the wording "top cover" identifies the cover side of the belt in contact with the working plate.
Check the set temperature by means of a feeler ensuring 120 ± 5°C is reached on the platen that is in contact with the lower side of the belt.
Note: the feeler must be placed on a fill-in piece and not on the product joint (the procedure of checking the temperatures must be carried out and re-checked at least once a week.

Issue: 30-09-2005 Last Update: 07-03-2019

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