

CONVEYOR AND PROCESS BELTS
TECHNICAL DATA SHEET
CODE CG-215
TYPE
DG1/45 MF
COMPOSITION

Conveying surface	Material	Natural elastomer	
	Thickness	3.10 mm	0.122 in.
	Surface pattern	Fabric	
	Colour	Purple red	
	Coefficient of friction	HF	
Textile carcass	Material	Polyamide (PA)	
	Plies no.	---	
	Weft type	---	
Driving surface	Material	Synthetic elastomer	
	Thickness	0.30 mm	0.012 in.
	Surface pattern	Fabric	
	Colour	Green	



TECHNICAL SPECIFICATIONS

Total thickness	4.50 mm	0.18 in.
Weight	5.10 kg/m ²	1.04 lbs./sq.ft
Elongation at 1%	5 N/mm	29.0 lbs./in.
Max. admissible pull	10 N/mm	57.1 lbs./in.
Temperature resistance ⁽¹⁾	min.	0 °C 32 °F
	max.	100 °C 212 °F
⁽¹⁾ use of the belt with limit values may reduce its life		
Minimum roller diameter ⁽²⁾		
■ Knife edge	no	
■ Bending roller	50 mm	2.0 in.
■ Counter-bending roller	70 mm	2.8 in.
⁽²⁾ The above mentioned values depend on the type of CHIORINO joint recommended		
Coefficient of friction on driving surface		
■ Raw steel sheet	--- [-]	
■ Laminated plastic/wood	--- [-]	
■ Steel roller	0.70 [-]	
■ Rubberized roller	0.90 [-]	
Max. production width	500 mm	20 in.

SUITABLE FOR

Corrugated carton: stacking
 Box folding industry: folder-glue
 Printing and graphic: insertion cassettes wind./unwinding

FEATURES

Humidity influence	yes
Suitable to metal detector	no
Permanent antistatic dynamically (UNI EN ISO 21179)	yes
Static conductivity (UNI EN ISO 284)	no
Conveying on skid bed	no
Conveying on rollers	yes
Conveying on skid bed on top and return	no
Troughed conveying	no
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

Issue: 10-10-2011

Last Update: 23-06-2016

DISCLAIMER

The information contained in this document describes the features of the CHIORINO product as tested in a laboratory environment at a temperature of +23 degrees °C at 50% relative humidity. It does not necessarily reflect the conditions of industrial use and it does not guarantee the product to be suitable for certain applications. The client remains liable for the proper selection and correct use of the CHIORINO product. CHIORINO cannot be held responsible should damages arise from the use of its products. Necessary alterations to this data can be made without prior notice.

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DG1/45 MF
• Recommended joining procedure SKIVED JOINT '4'

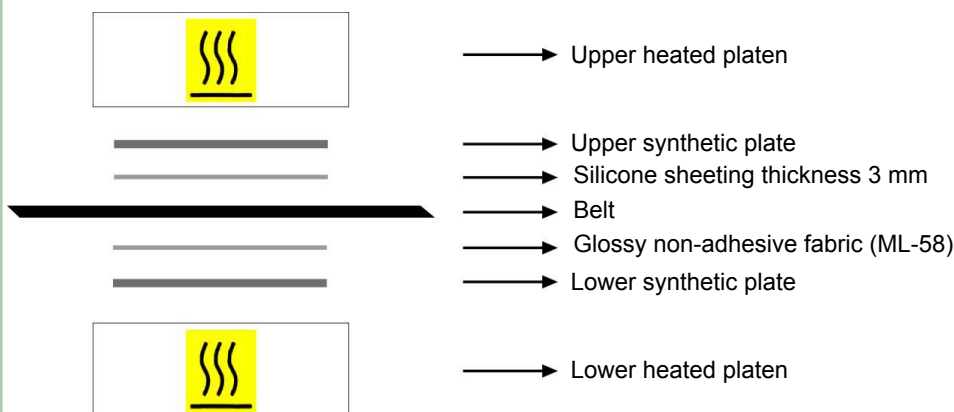

Check our general catalogue to get further info on CHIORINO joining methods.

• 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	4,5	50	Diagonal	1.5-14	---	0	18,30	90	---	16	13,25	107
B300 SA	4,5	50	Diagonal	1.5-14	27	1	11-11	B ⁽²⁾	27	20	07-07	A ⁽¹⁾

• Guide to the use of adhesives

Apply the **K cement** on the polyamide part of the splices and let dry for 5 minutes.
 Pour the **AD cement** with the **C hardener** (pot-life 2-3 hours) and apply the mix on the splices of the top surface.
 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.
 Kit: **NT5 MF**

• Layout of components

Press settings

Upper platen temperature	100 °C
Lower platen temperature	100 °C
Curing time in press	20 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

A⁽¹⁾ Do not overcome the block - B⁽²⁾ Overcome the block until 50 mm total length is reached. Before skiving the top cover, make sure to increase by 2mm the thickness of the area where the part to be skived will be rested. This extra thickness can be achieved using any thickening material (ex. a belt)

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