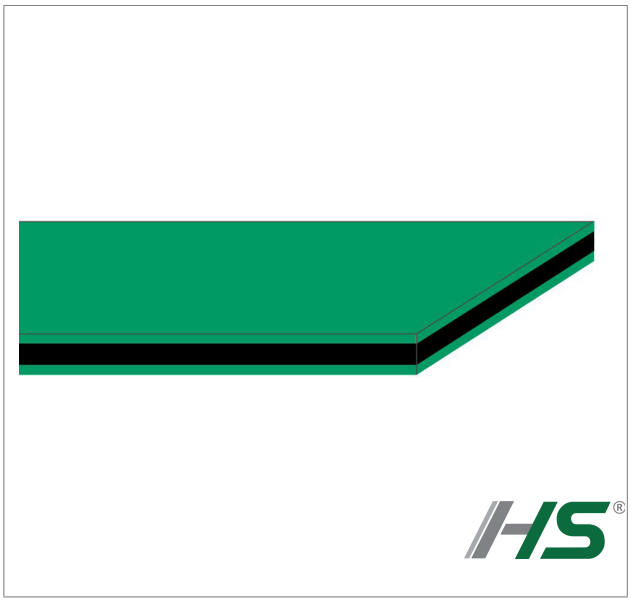
FLAT TRANSMISSION BELTS

TECHNICAL DATA SHEET

CODE CG-294 **TYPE** **DG2/40 HS**

COMPOSITION

Top surface	material	Synthetic elastomer
	finish	FL
	colour	Green
	coefficient of friction	0.7
Traction core	material	Polyamide (PA)
Bottom surface	material	Synthetic elastomer
	finish	FL
	colour	Green
	coefficient of friction	0.7



TECHNICAL SPECIFICATIONS

Total thickness		4.0 mm	*0.16*	*in.*
Weight		4.8 kg/m^2	*0.98*	*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		8.0 N/mm	*46*	*lbs./in.*
Tensile strength		390 N/mm	*2227*	*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			yes	

SUITABLE FOR

Paper industry: tube winders

Paper industry: multiple drives

Box folding industry: folder-gluers

FEATURES

- High resistance to abrasion
- Outstanding flexibility
- Excellent coefficient to friction and performance maintenance over time
- Excellent resilience of elastomer cover
- Excellent resilience in the joining
- Excellent creep recovery of all strains to which it undergoes during particularly hard processing cycles

COMPLIANCES

REACH Regulation EC 1907/2006 and amendments

NOTES

Belts for medium and high speed folder-gluers

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FLAT TRANSMISSION BELTS

JOINING DATA SHEET

CODE CG-294 **TYPE** **DG2/40 HS**

• Recommended joining procedure

SKIVED JOINT '1'

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

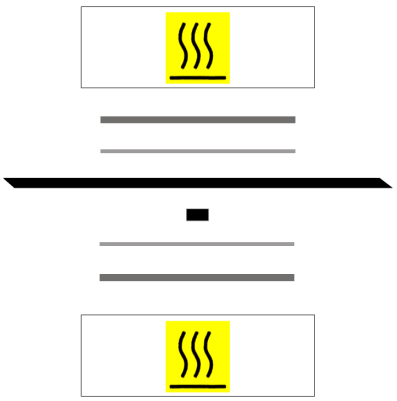
• Skiving instructions

Skiver	Belt thickness mm	Length mm	Straight/ diagonal cut	Cam/ wedge number	Pulley T mm	Pulley B mm	Pulley Thickness adjustment	Pulley End stop switch of working plate	Top cover T mm	Top cover B mm	Top cover Thickness adjustment	Top cover End stop switch of working plate
B600 A	4	80	Diagonal	5-28	---	---	---	---	---	-10	12,50	---
B300 SA	4	80	Diagonal	5-28	---	---	---	---		-10	10-19	---

• Guide to the use of adhesives

Apply the K **adhesive** on the polyamide part of the splices.
Apply the H primer and then the B **adhesive** on the four elastomer parts of the two splices.
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: CARBOCOL

• Layout of components



→ Upper heated platen
→ Fiber glass
→ Silicone sheeting thickness 3 mm (LA
→ Belt
→ Feeler
→ Glossy non-adhesive fabric (ML-58)
→ Fiber glass
→ Lower heated platen

Press settings	
Upper platen temperature	130 °C
Lower platen temperature	130 °C
Curing time in press	30 min.
Driving torque	30 N/m

Cooling time:
it is recommended to remove the belt from the press once a temperature of 60/70 degrees C is reached.

• Notes

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.

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