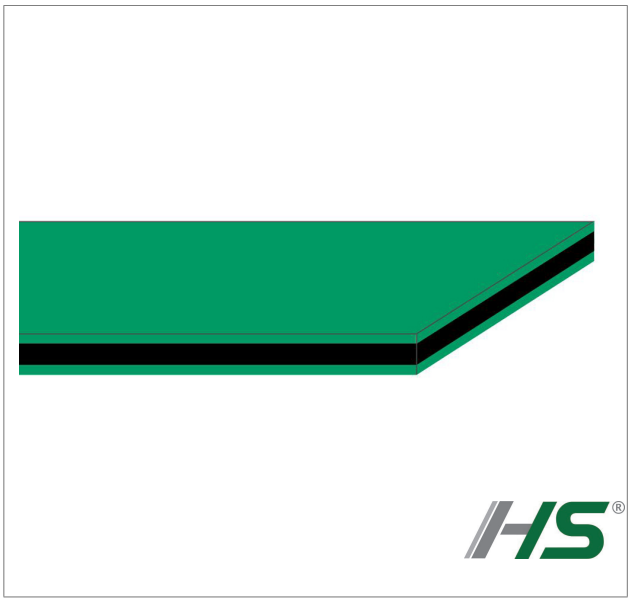
## FLAT TRANSMISSION BELTS

**TECHNICAL DATA SHEET**

**CODE** CG-293 **TYPE** **DG2/30 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 | | 3.20 mm | *0.13* | *in.* |
| Weight | | 3.70 kg/m² | *0.75* | *lbs./sq.ft* |
| Minimum pulley diameter (1) | | 40 mm | *1.6* | *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

Printing and graphic: insertion cassettes wind./unwinding

Paper industry: tube winders

Paper industry: multiple drives

Box folding industry: folder-gluers

### FEATURES

- Highest 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-293 **TYPE** **DG2/30 HS**

## • Recommended joining procedure

SKIVED JOINT '1'

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

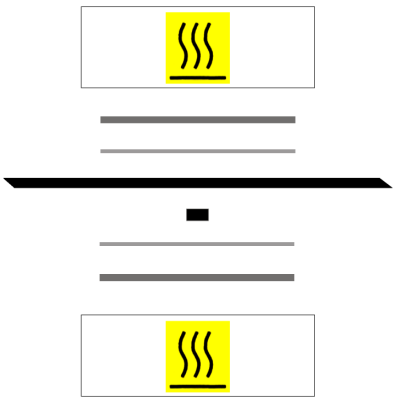
## • Skiving instructions

| 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** | 3.2 | 60 | Diagonal | 5-28 | --- | --- | --- | --- | --- | -10 | 12,50 | --- |
| **B300 SA** | 3.2 | 60 | Diagonal | 5-28 | --- | --- | --- | --- | | -10 | 11-04 | --- |

## • Guide to the use of adhesives

Apply the K cement on the polyamide part of the splices.
Apply the H primer and then the B cement 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
→ 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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