

CONVEYOR AND PROCESS BELTS
TECHNICAL DATA SHEET
CODE CG181
TYPE
DG2/70 HS GP blue
COMPOSITION

| | | | |
|--------------------------|-------------------------|---------------------|-----------|
| Conveying surface | Material | Synthetic elastomer | |
| | Thickness | 3.00 mm | 0.118 in. |
| | Surface pattern | GP | |
| | Colour | Blue | |
| | Coefficient of friction | HF | |
| Textile carcass | Material | Polyamide (PA) | |
| | Plies no. | --- | |
| | Weft type | --- | |
| Driving surface | Material | Synthetic elastomer | |
| | Thickness | 0.20 mm | 0.008 in. |
| | Surface pattern | FL | |
| | Colour | Black | |

TECHNICAL SPECIFICATIONS

| | | | |
|---------------------------------------|------------------------|-----------------|--------|
| Total thickness | 6.40 mm | 0.25 in. | |
| Weight | 6.00 kg/m ² | 1.22 lbs./sq.ft | |
| Elongation at 1% | 8 N/mm | 43.0 lbs./in. | |
| Max. admissible pull | 15 N/mm | 85.7 lbs./in. | |
| Temperature resistance ⁽¹⁾ | min. | -20 °C | -4 °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 | 100 mm | 3.9 in. |
| ■ Counter-bending roller | 150 mm | 5.9 in. |

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

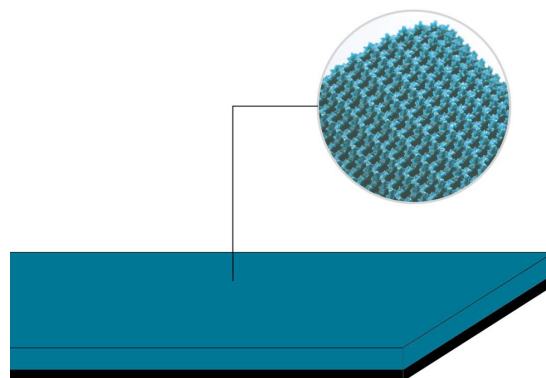
Coefficient of friction on driving surface

| | |
|--------------------------|----------|
| ■ Raw steel sheet | 0.20 [-] |
| ■ Laminated plastic/wood | 0.25 [-] |
| ■ Steel roller | 0.20 [-] |
| ■ Rubberized roller | 0.30 [-] |

Max. production width 500 mm 20 in.

SUITABLE FOR

Corrugated carton: folding



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 | 7 |

COMPLIANCES

REACH EC 1907/2006 Regulation and Amendments

NOTES

Issue: 10-10-2011

Last Update: 07-07-2021

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.

CODE CG181
TYPE
DG2/70 HS GP blue
• Recommended joining procedure SKIVED JOINT '4'


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

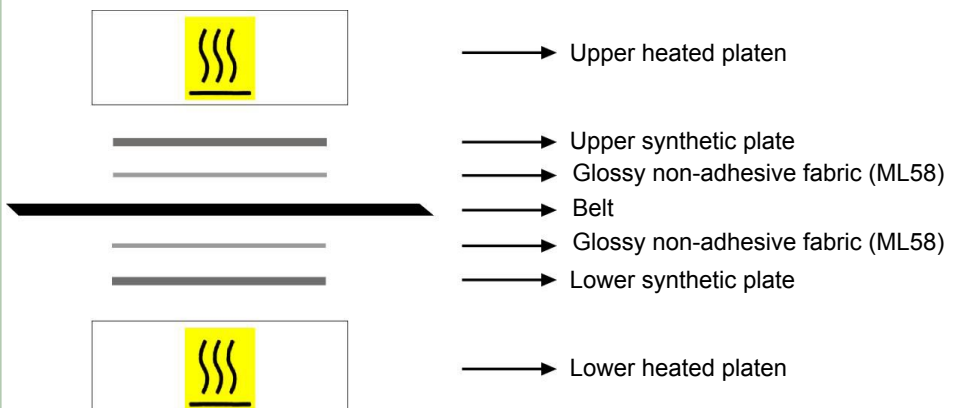
• Skiving instructions

| 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 | 7 | 65 | Diagonal | 1.5-14 | --- | 2,5 | 18,10 | 100 | --- | 15 | 13,70 | 114 |
| B300 SA | 7 | 65 | Diagonal | 1.5-14 | 42 | 2,5 | 11,60 | --- | 45 | 15 | 08,70 | (*) |

• 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 two elastomer parts of each skived end.
 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
- Glossy non-adhesive fabric (ML58)
- Belt
- Glossy non-adhesive fabric (ML58)
- Lower synthetic plate
- Lower heated platen

Press settings

| | |
|--------------------------|---------|
| Upper platen temperature | 120 °C |
| Lower platen temperature | 120 °C |
| Curing time in press | 25 min. |
| Driving torque | 3 bar |

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

• Notes

(*) Attention: do not overcome the bloc

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