

# Heavy Conveyor Belts A200COS-B

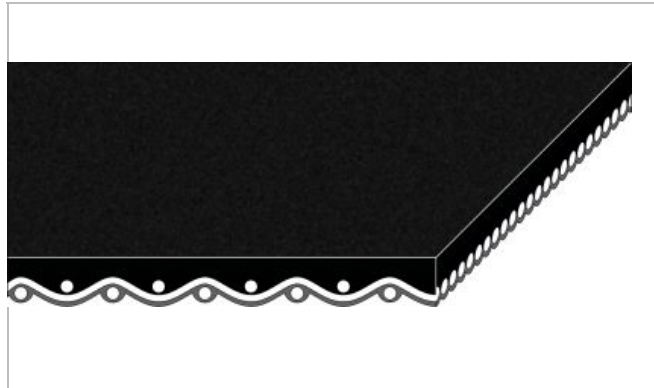
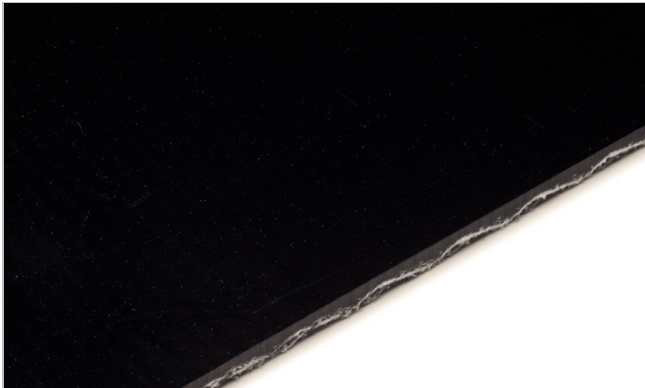


## Main industry segments

Distribution centers, General conveying

## Special features

Temperature variation resistant



| Product Construction / Design |   |
|-------------------------------|---|
| Conveying side material       | Polyvinylchloride (PVC)   |
| Conveying side surface        | Smooth  |
| Conveying side property       | Adhesive  |
| Conveying side color          | Black   |
| Traction layer (material)     | Polyester (PET)   |
| Number of Fabrics             | 1   |
| Pulley side material          | Polyester fabric (PET) impregnated with polyvinylchloride (PVC) |
| Pulley side surface           | Fabric  |
| Pulley side property          | Non-adhesive  |
| Pulley side color             | Black   |

| Product characteristics                |  |
|--|--|
| Antistatically equipped                | No   |
| Adhesive free joining method           | Yes  |
| Flammability                           | No specific flammability prevention property |
| Food suitability, FDA conformance      | No   |
| Food suitability, USDA recommendations | No use intended                              |
| Food suitability, EU conformance       | No   |

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## A200COS-B



| Technical data  |                       |               |  |
|---|-----------------------|---------------|--|
| Thickness of belt   | 5.2 mm                | 0.21 inch     |  |
| Mass of belt (belt weight)  | 6.2 kg/m <sup>2</sup> | 1.270 lb/sqft |  |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 31 N/mm               | 175 lbf/in    |  |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 6.3 N/mm              | 36 lbf/in     |  |
| Min. operating temperature admissible (continuous)  | -23 °C                | -10 °F        |  |
| Max. operating temperature admissible (continuous)  | 82 °C                 | 180 °F        |  |
| Coefficient of friction (pulley side / steel driving pulley)  | 0.20 -                |               |  |
| Coefficient of friction (pulley side / driving pulley with friction cover)  | 0.35 -                |               |  |
| Coefficient of friction (pulley side / pickled steel slider bed)  | 0.25 -                |               |  |
| Coefficient of friction (pulley side / phenolic resin slider bed)   | 0.25 -                |               |  |
| Coefficient of friction (pulley side / stainless steel slider bed)  | 0.30 -                |               |  |
| Seamless manufacturing width  | 1829 mm               | 72.00 inch    |  |
| On request other seamless manufacturing width   | 1524 mm               | 60 inch       |  |

### Joining related properties

| Joining method    |   |
|-------------------|---|
| Clipper #4        | Master joining method for standard applications |
| Flexproof 10 x 80 | Optional joining method                         |

[Link to JDS:](#)

| Joining method                               |                | Clipper #4  | Flexproof 10 x 80 |
|--|----------------|-------------|-------------------|
| Pulley diameter (minimum)                    | mm<br>inch     | 152<br>6.00 | 152<br>6.00       |
| Pulley diameter minimum with counter flecion | mm<br>inch     | 165<br>6.50 | 165<br>6.50       |
| Admissible tensile force per unit of width   | N/mm<br>lbf/in | 32<br>183   |                   |
| Slider bed suitable                          |                | Yes         | Yes               |
| Carrying rollers suitable                    |                | Yes         | Yes               |
| Troughed installation suitable               |                | ---         | ---               |
| Powerturns / curved installations            |                | No          | No                |
| Knife-edge (nosebar) suitable                |                | No          | No                |
| Low noise applications                       |                | No          | No                |
| Metal detector suitable                      |                | No          | No                |

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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## Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

## Mode of use or conveyance

Declined, Horizontal, Inclined

## Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

## Recommendation

Do not go below initial elongation (epsilon) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

No danger and limitation

|             |                                |
|-------------|--------------------------------|
| Group       | Woven Belts                    |
| Sub-Group   | Allveyor General Purpose Belts |
| Item number | H250000595                     |

## Disclaimer

### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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