

# Cleandrive Friction Drive Belts CD.F20-A-MC+M

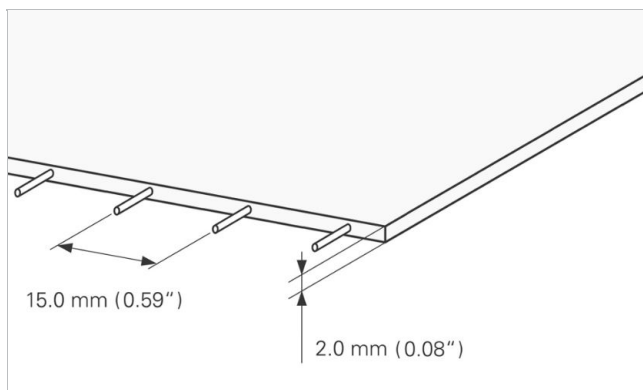
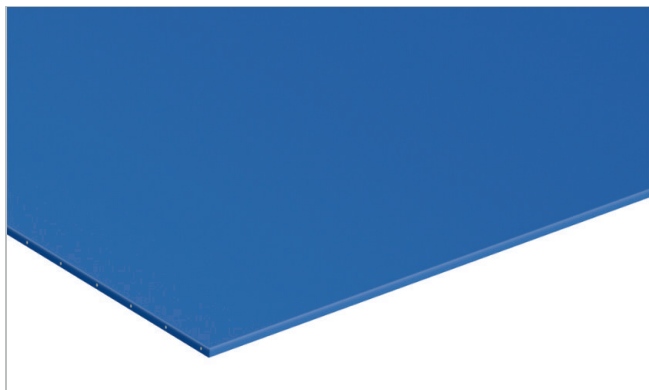


## Main industry segments

Dairy (incl. cheese), Fruit, Poultry, Red meat, Vegetables

## Special features

Abrasion resistant on both sides, Bi-directional suitable, Detectable by metal detectors, Easy cleanability, X-Ray detectable



| Product Construction / Design |                                  |
|-------------------------------|----------------------------------|
| Material                      | Thermoplastic polyurethane (TPU) |
| Color                         | Dark blue                        |
| Conveying side surface        | Matt                             |
| Conveying side property       | Medium-adhesive                  |
| Traction layer (material)     | Aramid cords                     |
| Pulley side surface           | Glossy                           |
| Pulley side property          | Adhesive                         |

| Product characteristics                       |                                                        |
|-----------------------------------------------|--------------------------------------------------------|
| Antistatically equipped                       | No                                                     |
| Conveying side conductive surface acc. EN ISO | No                                                     |
| Slider bed suitable                           | Yes                                                    |
| Carrying rollers suitable                     | Yes                                                    |
| UV-C suitable                                 | No                                                     |
| Laser markable                                | No                                                     |
| Flammability                                  | No specific flammability prevention property           |
| Food suitability, EU conformance              | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, FDA conformance             | Yes - Check Document of Compliance (DoC) in our Portal |
| Halal certified                               | Yes                                                    |

# Cleandrive Friction Drive Belts

## CD.F20-A-MC+M



| Technical data                                                                                                              |      |                   |               |
|-----------------------------------------------------------------------------------------------------------------------------|------|-------------------|---------------|
| Hardness                                                                                                                    | 95   | Shore A           |               |
| Thickness of belt                                                                                                           | 2.0  | mm                | 0.079 inch    |
| Distance between cords                                                                                                      | 15   | mm                | 0.59 inch     |
| Mass of belt (belt weight)                                                                                                  | 2.7  | kg/m <sup>2</sup> | 0.553 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)                                  | 9.5  | N/mm              | 54 lbf/in     |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 7.0  | N/mm              | 40 lbf/in     |
| Min. operating temperature admissible (continuous)                                                                          | -20  | °C                | -4 °F         |
| Max. operating temperature admissible (continuous)                                                                          | 80   | °C                | 176 °F        |
| Coefficient of friction (pulley side / steel driving pulley)                                                                | 0.50 | -                 |               |
| Coefficient of friction (pulley side / PE wearstrips)                                                                       | 0.50 | -                 |               |
| Coefficient of friction (pulley side / stainless steel slider bed)                                                          | 0.80 | -                 |               |
| Coefficient of friction (conveying side / PE wearstrips)                                                                    | 0.25 | -                 |               |
| Minimal width of belt                                                                                                       | 150  | mm                | 6 inch        |
| Seamless manufacturing width                                                                                                | 609  | mm                | 23.98 inch    |

### Joining related properties

| Joining method |                                                 |
|----------------|-------------------------------------------------|
| Quickmelt      | Master joining method for standard applications |

[Link to JDS:](#)

| Joining method                                |                | Quickmelt  |
|-----------------------------------------------|----------------|------------|
| Pulley diameter (minimum)                     | mm<br>inch     | 25<br>0.98 |
| Pulley diameter minimum with counter flection | mm<br>inch     | 25<br>0.98 |
| Admissible tensile force per unit of width    | N/mm<br>lbf/in | 6.0<br>34  |
| Troughed installation suitable                |                | Yes        |
| X-Ray / Metal detectable material             |                | Yes        |
| X-Ray / Metal detector suitable               |                | 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.*

### Chemical resistance

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

### Calculations

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

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### Recommendation

Install the slack belt and tension until running perfectly under the full belt load, Recommended initial elongation 0.1 - 0.2%

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! 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)

Metal detectable profiles: the use of metal detectable profiles based on polyether TPU (G+M or J+M range) is highly recommended., This product does not protect users or others against food borne or disease-causing bacteria. Proper cleaning procedures must always be adhered to, This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

|             |                                                              |
|-------------|--------------------------------------------------------------|
| Group       | Cleandrive Friction Drive<br>Cleandrive Friction Drive Belts |
| Item number | H950047798                                                   |

### Disclaimer

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

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