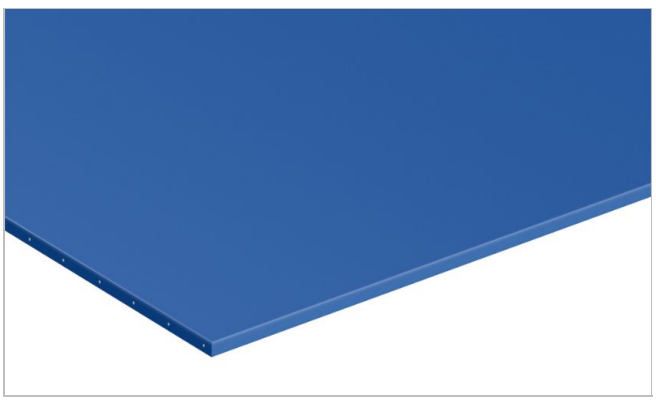
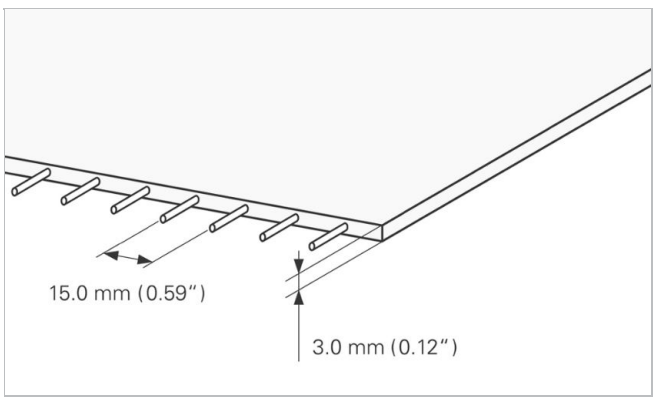
# Cleandrive Friction Drive Belts
# CD.F30-A-UC+M

**Main industry segments**
Dairy (incl. cheese), Fruit, Poultry, Red meat, Vegetables

**Special features**
Abrasion resistant, Abrasion resistant on both sides, Easy cleanability






| Product Construction / Design | |
|---|---|
| Material | Thermoplastic polyurethane (TPU) |
| Color | Cobalt 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 | Yes |
| 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 |
| Food suitability, USDA recommendations | No use intended |
| Other conformance/approval | Japanese Food Regulation (MHLW Notification No. 370) |

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| Technical data | | | | |
|---|---|---|---|---|
| Hardness | 95 | Shore A | | |
| Thickness of belt | 3.0 | mm | *0.12* | *inch* |
| Distance between cords | 15 | mm | *0.59* | *inch* |
| Mass of belt (belt weight) | 3.5 | kg/m² | *0.717* | *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) | 0.40 | - | | |
| Coefficient of friction (PE sliding support) | 0.40 | - | | |
| 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* | 30<br>*1.18* |
| Pulley diameter minimum with counter flection | mm<br>*inch* | 30<br>*1.18* |
| Admissible tensile force per unit of width | N/mm<br>*lbf/in* | 8.0<br>*46* |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>*lbf/in* | 4.0<br>*23* |
| Troughed installation suitable | | Yes |
| X-Ray / Metal detectable material | | No |
| X-Ray / Metal detector suitable | | Yes |

*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"

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 |
| Sub-Group | Cleandrive Friction Drive Belts |
| Item number | H950038316 |

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