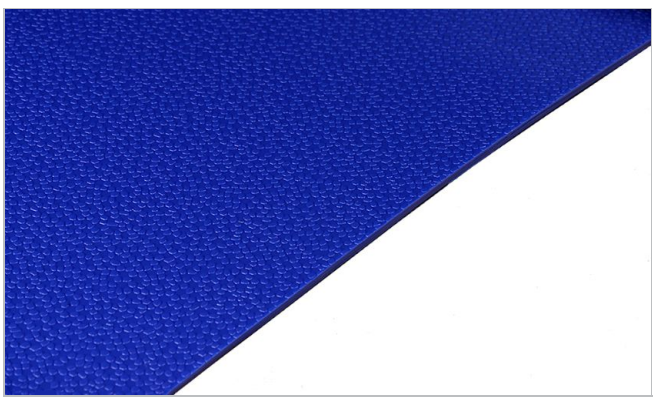
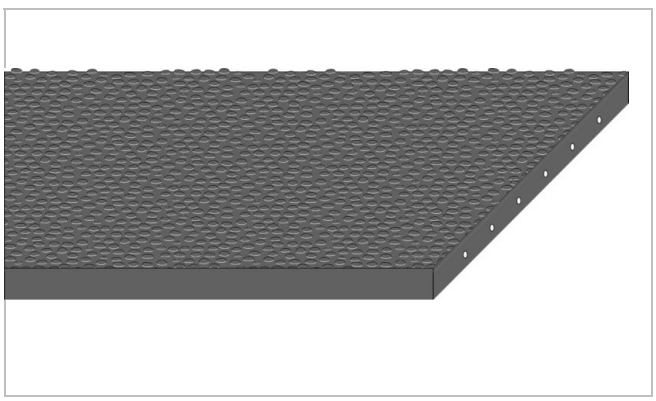
Cleandrive Friction Drive Belts
CD.F30-A-UC+LT

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

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





Product Construction / Design	
Material	Thermoplastic polyurethane (TPU)
Color	Cobalt blue
Conveying side surface	Lotus effect structure
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	Successfully tested according to UL 94HB (USA) requirement; HB= Horizontal Burning
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

Cleandrive Friction Drive Belts
CD.F30-A-UC+LT

Technical data				
Hardness	95	Shore A		
Thickness of belt	3.3	mm	*0.130*	*inch*
Distance between cords	15	mm	*0.59*	*inch*
Mass of belt (belt weight)	3.8	kg/m²	*0.778*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	6.5	N/mm	*46*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.6	N/mm	*29*	*lbf/in*
Min. operating temperature admissible (continuous)	-10	°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)	0.30	-		
Coefficient of friction (pulley side / 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 *inch*	40 *1.18*
Pulley diameter minimum with counter flection	mm *inch*	40 *1.18*
Admissible tensile force per unit of width	N/mm *lbf/in*	5.5 *34*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	3.0 *17*
Troughed installation suitable		Yes
X-Ray / Metal detectable material		No
Designed for metal detector transparency		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.

Cleandrive Friction Drive Belts
CD.F30-A-UC+LT

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
	Cleandrive Friction Drive Belts
Item number	H950042485

Disclaimer
Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)
This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.
EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.