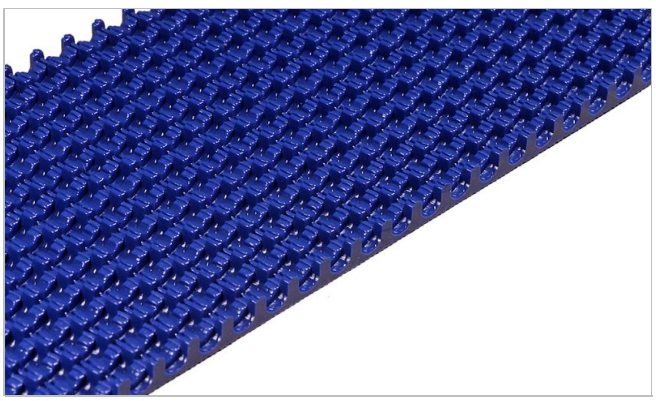
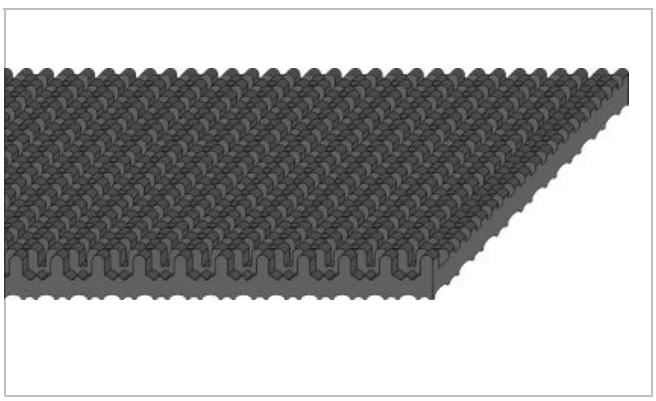
Monolithic Flat Belts
CD.F45-N-FC+L/AR

Main industry segments
Baked snacks, Biscuit and Crackers, Candy, Chewing gum, Chocolate

Applications
Weighing belt

Special features
Abrasion resistant, Edges wear resistant, Elastic, Flexibility in all directions, Low noise applications suitable, Non fraying, Oil and fat resistant





Product Construction / Design	
Material	Thermoplastic polyurethane (TPU)
Color	Cobalt blue
Conveying side surface	Grip structure
Conveying side property	Medium-adhesive
Traction layer (material)	No reinforcement
Pulley side surface	Coarse textile structure
Pulley side property	Medium-adhesive

Product characteristics	
Antistatically equipped	No
Knife edge roller suitable	No
Antimicrobially equipped	No
Slider bed suitable	Yes
Carrying rollers suitable	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

Monolithic Flat Belts
CD.F45-N-FC+L/AR

Technical data				
Hardness	85	Shore A		
Thickness of sheet	2.0	mm	*0.079*	*inch*
Thickness of belt	4.5	mm	*0.177*	*inch*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	60	°C	*140*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.30	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.50	-		
Coefficient of friction (pulley side / PE sliding support)	0.35	-		
Seamless manufacturing width	1350	mm	*53.15*	*inch*

Joining related properties

Joining method	
Quickmelt	Master joining method for standard applications

Link to JDS:

Joining method		Quickmelt
Pulley diameter (minimum)	mm *inch*	30 *1.18*
Pulley diameter minimum with counter flection	mm *inch*	40 *1.57*

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.

Recommendation
Do not go below initial elongation (epsilon) ~ 1.0%, Elastic belt: Initial elongation depends on belt load and application

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 Monolithic Elastic Flat Belts
Item number	H700018363

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.