

# Monolithic Flat Belts

## CD.F16-N-FC+LG/EH



### Main industry segments

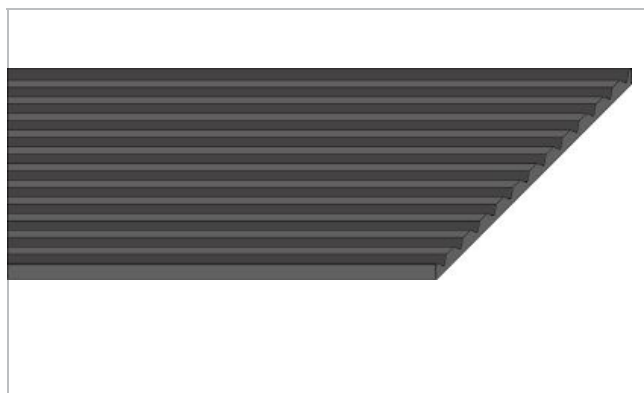
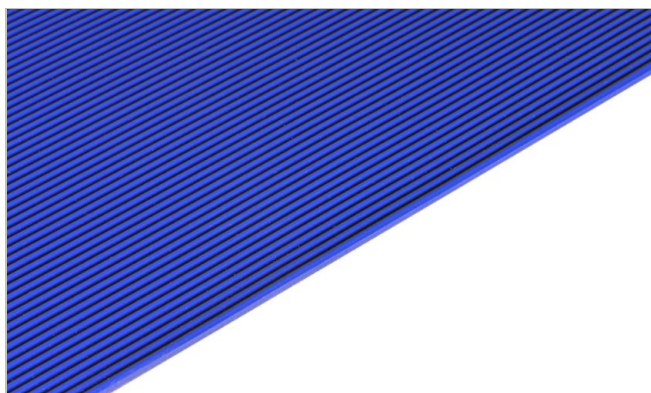
Baked snacks, Biscuit and Crackers, Candy, Chewing gum, Chocolate

### Applications

Weighing belt

### Special features

Abrasion resistant, Edges wear resistant, Elastic, Flexibility in all directions, Monolithic Belt, Non fraying, Oil and fat resistant, Small pulley diameter suitable



Product Construction / Design	
Material	Thermoplastic polyurethane (TPU)
Color	Cobalt blue
Conveying side surface	Longitudinal groove structure
Conveying side property	Adhesive
Pulley side surface	Medium textile structure
Pulley side property	Medium-adhesive

Product characteristics	
Antistatically equipped	No
Knife edge roller suitable	Yes
Antimicrobially equipped	No
Slider bed suitable	Yes
Carrying rollers suitable	Yes
Troughed installation suitable	Yes
X-Ray / Metal detector 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
Food suitability, USDA recommendations	No use intended

Technical data			
Hardness	85	Shore A	
Thickness of belt	1.6	mm	0.06 inch
Mass of belt (belt weight)	1.6	kg/m <sup>2</sup>	0.328 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	0.40	N/mm	2 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	0.25	N/mm	1 lbf/in
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)	0.50	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.45	-	
Coefficient of friction (PE sliding support)	0.45	-	
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
Knife edge roller diameter (minimum)	mm inch	8 0.315
Pulley diameter (minimum)	mm inch	15 0.59
Pulley diameter minimum with counter flexion	mm inch	15 0.59
Admissible tensile force per unit of width	N/mm lbf/in	1.3 7
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	0.25 1

*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"](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

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Group	Cleandrive Friction Drive
Sub-Group	Monolithic Flat Belts
Item number	H700016258

### Disclaimer

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

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