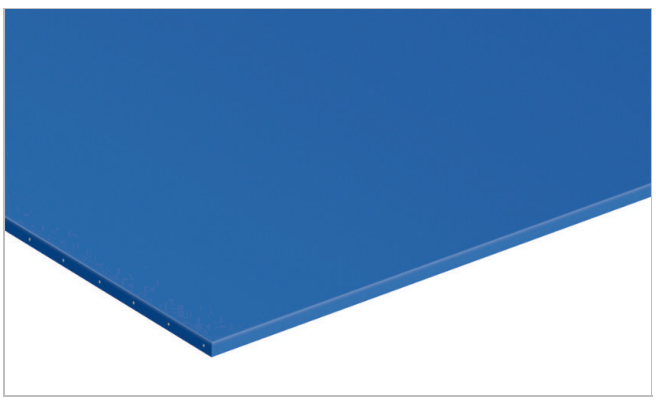
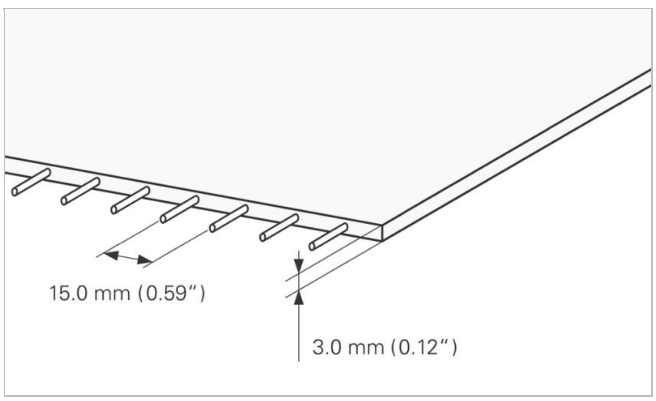
Cleandrive Friction Drive Belts
CD.F30-A-MC

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

Special features
Abrasion resistant on both sides, Detectable by metal detectors, Easy cleanability, X-Ray detectable





Product Construction / Design	
Material	Thermoplastic polyurethane (TPU)
Color	Dark blue
Conveying side surface	Glossy
Conveying side property	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

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Technical data				
Hardness	95	Shore A		
Thickness of belt	3.0	mm	*0.118*	*inch*
Distance between cords	15	mm	*0.59*	*inch*
Mass of belt (belt weight)	4.0	kg/m²	*0.819*	*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)	0.50	-		
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*	30 *1.18*
Pulley diameter minimum with counter flection	mm *inch*	30 *1.18*
Admissible tensile force per unit of width	N/mm *lbf/in*	8.0 *46*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	4.0 *23*
Troughed installation suitable		Yes
X-Ray / Metal detectable material		Yes
Designed for metal detector transparency		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"

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
	Cleandrive Friction Drive Belts
Item number	H950023713

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