

Cleandrive Postitive Drive Belts

CD.P40-A-UC+PN/SG



Main industry segments

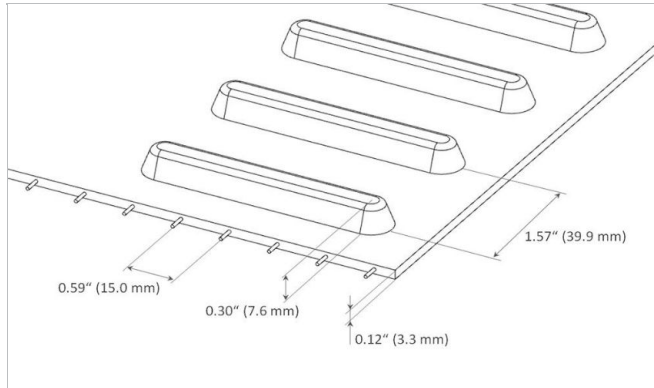
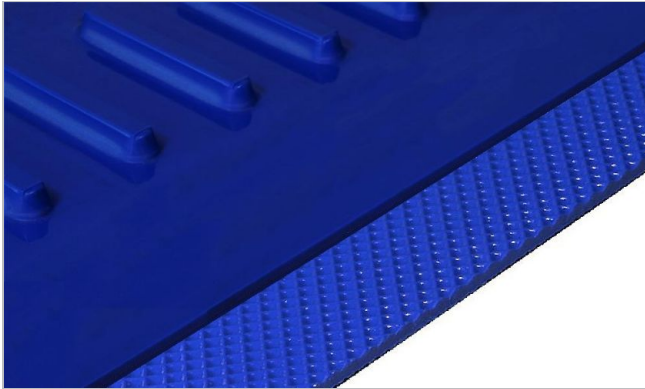
Bread, Candy, Chocolate, Dairy (incl. cheese), Frozen food, Fruit, Pizza, Poultry, Ready meals, Red meat, Seafood, Vegetables

Applications

Food processing/conveying belt

Special features

Abrasion resistant on both sides, Bi-directional suitable, Easy cleanability, High hydrolysis resistant, Low elasticity



Product Construction / Design	
Material	Thermoplastic polyurethane (TPU)
Color	Cobalt blue
Conveying side surface	Inverted pyramid structure
Conveying side property	Medium-adhesive
Traction layer (material)	Aramid cords
Pulley side surface	Glossy
Pulley side property	Adhesive
Pulley side geometry	Lugs

Product characteristics	
Antistatically equipped	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
Halal certified	Yes

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Technical data			
Hardness	95	Shore A	
Thickness of belt	3.3	mm	0.130 inch
Distance between cords	15	mm	0.59 inch
Nominal drive bar pitch	39.9	mm	1.571 inch
Mass of belt (belt weight)	3.6	kg/m ²	0.737 lb/sqft
Min. operating temperature admissible (continuous)	-20	°C	-4 °F
Max. operating temperature admissible (continuous)	80	°C	176 °F
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
Mechanical Lace (SS Rod)	Optional joining method
Mechanical Lace (POM Rod)	Optional joining method

[Link to JDS:](#)

Joining method		Quickmelt	Mechanical Lace (SS Rod)	Mechanical Lace (POM Rod)
Minimal pitch diameter for driving sprockets	mm inch	100.0 3.94	100.0 3.94	100.0 3.94
Minimal pitch diameter for idling sprockets	mm inch	100.0 3.94	100.0 3.94	100.0 3.94
Minimal back-bending roller diameter for center drive configuration	mm inch	150 6	150 6	150 6
Minimal diameter for belt support roller	mm inch	100 4	100 4	100 4
Admissible tensile force per row of lugs	N lbf	2000 450	1300 292	600 135
Troughed installation suitable		Yes	No	No
X-Ray / Metal detectable material		No	No	No
X-Ray / Metal detector suitable		Yes	No	Yes

A minimal pulley diameter of 76.4 mm is possible with reduction of the admissible tensile force per unit of width by 33%

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

Please ask your local Habasit partner to calculate your needs for you and receive the best advise specially suited for your application.

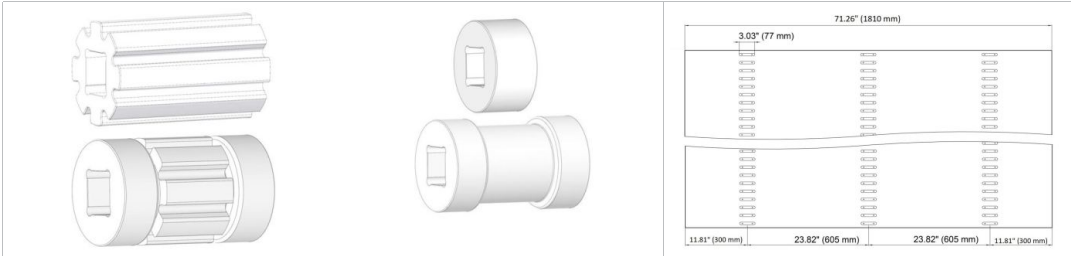
Recommendation

Follow the Installing and Maintenance Instructions which are supplied with each product delivery, See Engineering Manual

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



Sprockets
Habasit® Cleandrive series

Sprockets
Habasit® Cleandrive series

Belt Layout

Group	Cleandrive Positive Drive
	Cleandrive Belt Series Lug
Item number	H950047307

Disclaimer

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

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