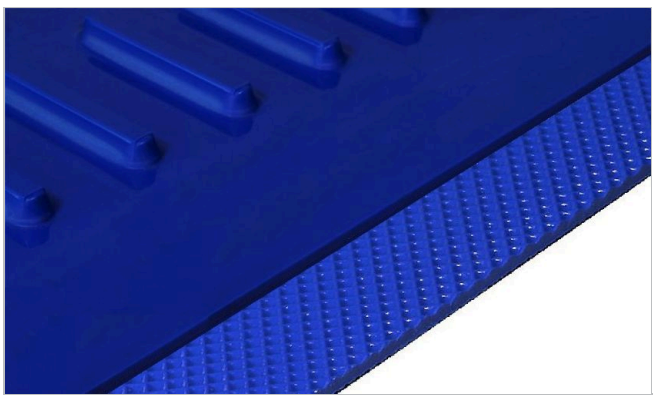
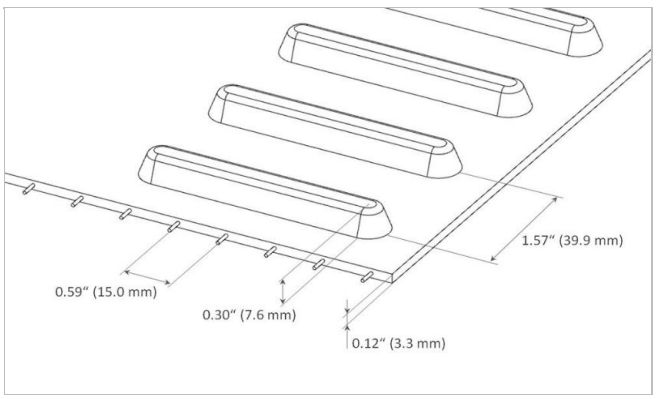
Cleandrive Postitive Drive Belts
CD.P40-A-UC+PN/SG

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

Cleandrive Postitive Drive Belts
CD.P40-A-UC+PN/SG

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/m²	*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
Designed for metal detector transparency		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.

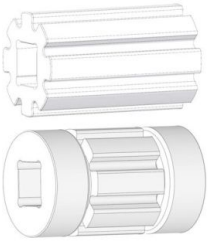
Cleandrive Postitive Drive Belts
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Recommendation

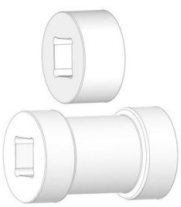
Follow the Installing and Maintenance Instructions which are supplied with each product delivery, See Engineering Manual

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"

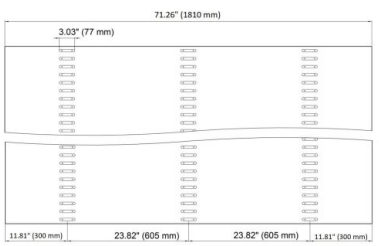
This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment



Sprockets
Habasit® Cleandrive series



Sprockets
Habasit® Cleandrive series



Belt Layout

Group	Cleandrive Positive Drive Cleandrive Belt Series Lug
Item number	H950047307

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