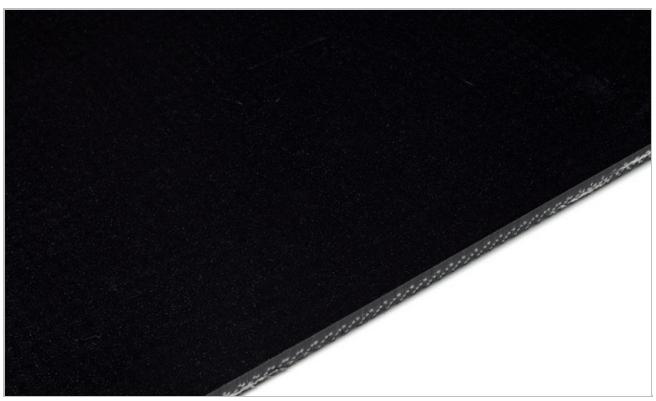
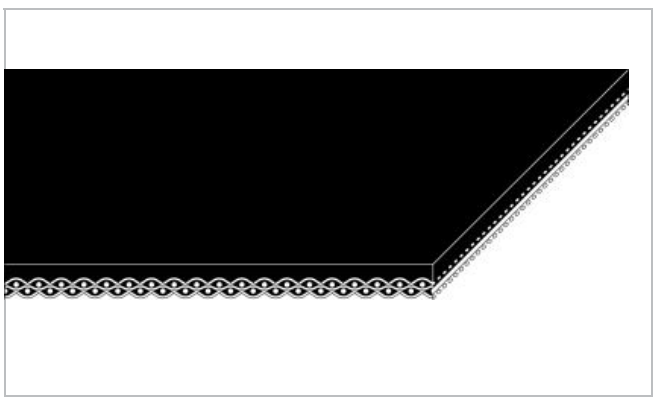
Heavy Conveyor Belts
APH120COS

Main industry segments
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications
Acceleration belt, Infeed belt, Metering/singulation belt, Loading/Unloading belt

Special features
Cut resistant, Good lace retention, Impact resistant, Low friction running side, High lateral stability





Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Glossy
Conveying side property	Medium-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Rough structure
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	Flame retardant, Flame retardant to ASTM D-378
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

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Technical data				
Thickness of belt	3.4	mm	*0.134*	*inch*
Mass of belt (belt weight)	4.5	kg/m²	*0.920*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	21	N/mm	*120*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	6.4	N/mm	*37*	*lbf/in*
Min. operating temperature admissible (continuous)	-18	°C	*0*	*°F*
Max. operating temperature admissible (continuous)	82	°C	*180*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.20	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.25	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.25	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.25	-		
Seamless manufacturing width	1651	mm	*65.00*	*inch*

Contact PU to request other width options.

Joining related properties

Joining method	
Mechanical joining	Master joining method for standard applications

Link to JDS:

Joining method		Mechanical joining
Pulley diameter (minimum)	mm *inch*	65 *2.56*
Pulley diameter minimum with counter flection	mm *inch*	75 *2.95*
Admissible tensile force per unit of width	N/mm *lbf/in*	20 *116*
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		No
Metal detector suitable		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.

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Chemical resistance
Link to 'Chemical resistance information': https://rims.habasit.com

Mode of use or conveyance
Acceleration, Declined, Horizontal, Inclined, Metering

Recommendation

Group	Woven Belts
	Flame Retardant Belts
Item number	H250000735

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