Heavy Conveyor Belts
A120VT-OE
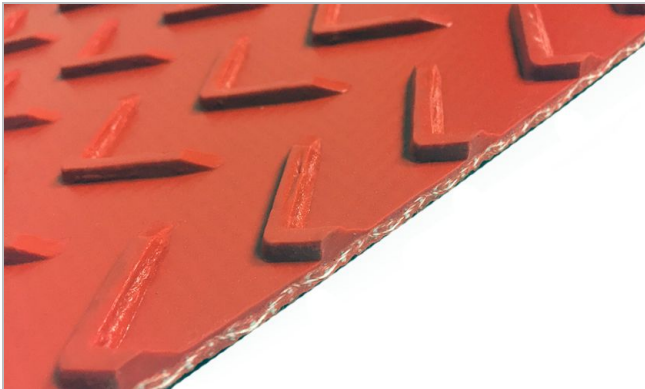
Main industry segments
Agriculture, Distribution centers, Frozen food, Primary food packaging, Vegetables

Applications
Incline belt

Special features
High grip surface, Low temperature resistant, Temperature variation resistant

Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	V-Top
Conveying side property	Adhesive
Conveying side color	Orange
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	Orange

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Technical data

Technical data				
Thickness of belt	5.7	mm	0.23	inch
Mass of belt (belt weight)	4.2	kg/m²	0.870	lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	26	N/mm	150	lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10	N/mm	58	lbf/in
Min. operating temperature admissible (continuous)	-23	°C	-10	°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)	0.20	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-		
Seamless manufacturing width	1829	mm	72.00	inch

Joining related properties

Joining method	
Clipper #2	Master joining method for standard applications
Flexproof 10 x 80	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #2	Flexproof 10 x 80
Pulley diameter (minimum)	mm	79	76
	inch	3.10	3.00
Pulley diameter minimum with counter flection	mm	95	89
	inch	3.75	3.50
Admissible tensile force per unit of width	N/mm	19	
	lbf/in	110	
Admissible tensile force per unit of width at max. operating temperature	N/mm	9.8	
	lbf/in	56	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Low noise applications		No	No
Metal detector suitable		No	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

Mode of use or conveyance

Horizontal, Inclined

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) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

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"

No danger and limitation

Group	Woven Belts
Sub-Group	Allveyor General Purpose Belts