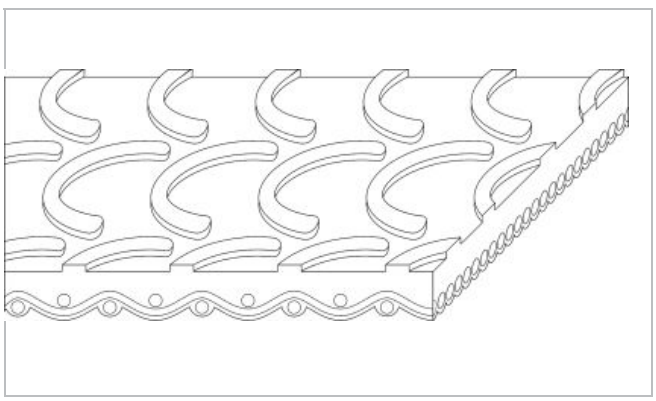
# Food Belts
# A150CRES-W

**Main industry segments**
Frozen food, Fruit, Horticulture, Primary food packaging, Vegetables

**Applications**
Acceleration belt, Decline belt, Incline belt

**Special features**
Temperature variation resistant



| Product Construction / Design | |
|---|---|
| Conveying side material | Polyvinylchloride (PVC) |
| Conveying side surface | Crescent top structure |
| Conveying side property | Adhesive |
| Conveying side color | White |
| Traction layer (material) | Polyester (PET) |
| Number of Fabrics | 1 |
| Pulley side material | Polyester fabric (PET) impregnated with polyvinylchloride (PVC) |
| Pulley side surface | Impregnated fabric |
| Pulley side property | Medium-adhesive |
| Pulley side color | White |

| Product characteristics | |
|---|---|
| Antistatically equipped | No |
| Adhesive free joining method | Yes |
| Flammability | No specific flammability prevention property |
| Food suitability, FDA conformance | Yes - Check Document of Compliance (DoC) in our Portal |
| Food suitability, USDA recommendations | No use intended |

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| Technical data | | | | |
|---|---|---|---|---|
| Thickness of belt | 6.4 | mm | *0.25* | *inch* |
| Mass of belt (belt weight) | 5.2 | kg/m² | *1.060* | *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) | 0.25 | - | | |
| Coefficient of friction (pulley side / driving pulley with friction cover) | 0.35 | - | | |
| Coefficient of friction (pulley side / pickled steel slider bed) | 0.30 | - | | |
| Coefficient of friction (pulley side / phenolic resin slider bed) | 0.30 | - | | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.35 | - | | |
| Seamless manufacturing width | 1829 | mm | *72.00* | *inch* |

## Joining related properties

| Joining method | |
|---|---|
| Alligator #7 | Master joining method for standard applications |
| Mechanical joining | Optional joining method |
| Clipper #2 | Optional joining method |

Link to JDS:

| Joining method | | Alligator #7 | Mechanical joining | Clipper #2 |
|---|---|---|---|---|
| Pulley diameter (minimum) | mm<br>*inch* | 89<br>*3.50* | 89<br>*3.50* | 89<br>*3.50* |
| Pulley diameter minimum with counter flection | mm<br>*inch* | 115<br>*4.53* | 114<br>*4.50* | 114<br>*4.50* |
| Admissible tensile force per unit of width | N/mm<br>*lbf/in* | 26<br>*150* | 26<br>*150* | 26<br>*150* |
| Admissible tensile force per unit of width at max. operating temperature | N/mm<br>*lbf/in* | 6.8<br>*39* | | |
| Slider bed suitable | | Yes | Yes | Yes |
| Carrying rollers suitable | | Yes | Yes | Yes |
| Troughed installation suitable | | Yes | No | No |
| Powerturns / curved installations | | No | No | No |
| Knife-edge (nosebar) suitable | | No | No | 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**
Declined, 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

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

No danger and limitation

| | |
|---|---|
| Group | PVC Belts |
| Sub-Group | Oil Resistant Belts |
| Item number | H250000895 |