

Multi-Way flat-top

Details assembled Multi-Way flat-top

Common details

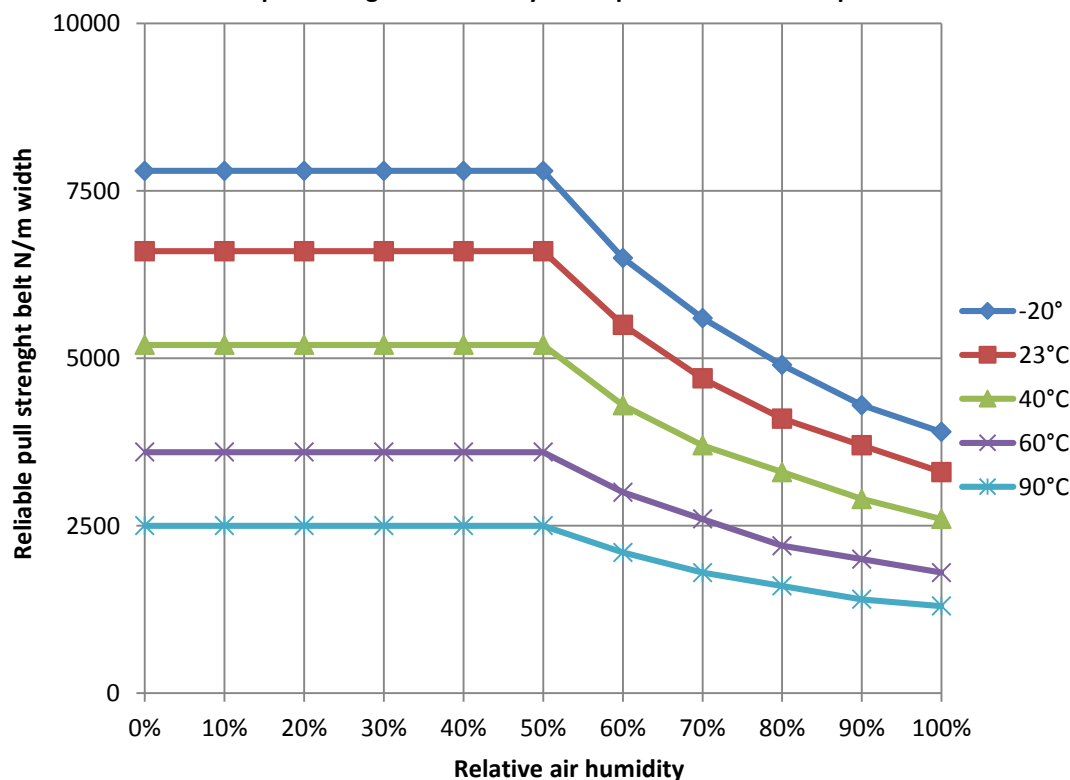
| | | |
|--|---|--------------------|
| | Series | Multi-Way flat-top |
| | Type | Straight |
| | Material | AKULON K224-G6 |
| | Colour | RAL 5015 (blue) |
| | Pitch transportation direction | 50 mm |
| | Percentage open | 0% |
| | Thickness | 10 mm |
| | Food approved | Yes |
| | Features: conveyor belt with a closed structure. | |

Technical details

| Material link | Material pin | Pull strenght ¹ | Mass belt | Temperature reach |
|---------------|-------------------------|----------------------------|----------------------|-------------------|
| | | [N/m] | [kg/m ²] | [°C] |
| Akulon | AISI 430 (chrome steel) | 6600 | 7,6 | -40 to 120 |
| Akulon | PA 6 (nylon) | 3300 | 5,0 | -10 to 80 |


¹ This max. pull strength applies to a temperature of 23°C and a relative air humidity of 50%. At other temperatures and air humidity percentages the tolerable pull strength become as shown below:

Reliable pull strength Multi-Way flat-top belt with AISI 430 pen



For example: at a temperature of 60°C and a relative air humidity of 80%, the max. pull strength of a Akulon belt with AISI 430 pin is 200 N/m width. At a PA6 pin, this value must be split up into 2 (1 100 N/m width).

1.1 Details sprocket wheels Multi-Way flat-top

| Common details | | |
|---|------------------------------------|--------------------|
|  | Series | Multi-Way flat-top |
| | Number of types of sprocket wheels | 2 |
| | Material | B30S |
| | Colour | RAL 5015 (blauw) |
| | Food suitable | Yes |

| Technical details | | | |
|--|-------|---------|---------|
| Measurement | [mm] | Ø30 | Ø50 |
| Article number | | 1103899 | 1103898 |
| Number of teeth | | 8 | |
| Pitch diameter | [mm] | Ø130,66 | |
| Width | [mm] | 49,7 | |
| Polygon effect (speed difference) | [%] | 7,61 | |
| Key width | [mm] | 8 | |
| Max. pull strength belt per sprocket through plain pressure key ¹ | [N] | 480 | 730 |
| Max. pull strength belt per sprocket through teeth ¹ | [N] | 1160 | 1160 |
| Max. pull strength belt per meter width ² | [N/m] | 8640 | 13140 |

¹ This max. pull strength counts by a temperature of 23°C and a max. air humidity of 50%. By any other values please fill in the calculation sheet.

² By 18 sprocket wheels per meter width (the total width filled with sprocket wheels).