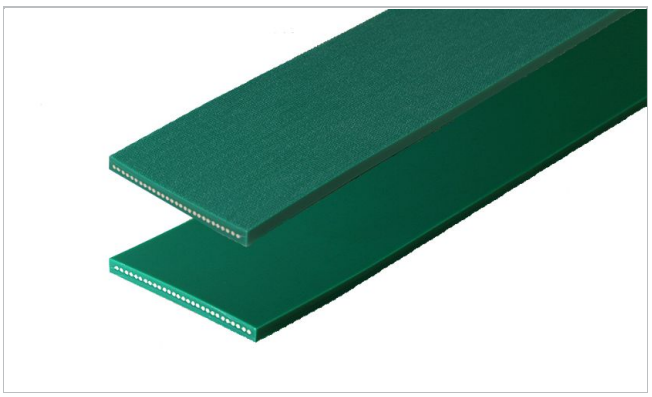
HabaSYNC Flat Belts
P4CF-A+AR

Description

4 mm thick, Aramid cord, Flat (timing) belt, No-teeth





Sketch of basic shape

Product Construction / Design							
Material Type	**Color**	**Hardness**	**Temperature range**				**Food grade[1]**
		Shore A	°C	*°F*	°C	*°F*	
M0085	Dark green	92	-20	*-4*	50	*122*	No

Standard belt options - Conveying side
Unprocessed (U)

Standard belt options - Teeth side
Coarse fabric structure

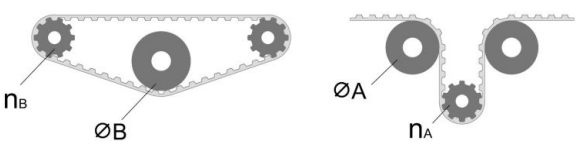
Technical data									
Belt slitting width, nominal		**Admissible tensile force, open belt**		**Admissible tensile force, joined belt**		**Tensile force for 1% elongation**		**Mass of belt (belt weight)**	
mm	*inch*	N	*lbf*	N	*lbf*	N	*lbf*	kg/m	*lb/ft*
45.0	*1.8*	5525	*1242*	2760	*620*	9430	*2120*	0.21	*0.14*

The ultimate tensile strength (or breaking strength) for the widest slitting width mentioned above is 35400 N.

Maximum belt width (150 mm / 6 *inch*).
Belt versions with increased thickness are available on request. Please consider larger minimum pulley diameters.

The admissible tensile force always corresponds with a belt elongation of 0.6%. Joined belts are calculated with half admissible force. Please contact Habasit for detailed information and calculations.
Link to JDS:

Technical data					
ØB		**n_B**	**ØA**		**n_A**
mm	inch		mm	inch	
100	3.94	0	100	3.94	0



All data are approximate values under **standard climatic conditions**: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554), and are based on the Master Joining Method.
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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