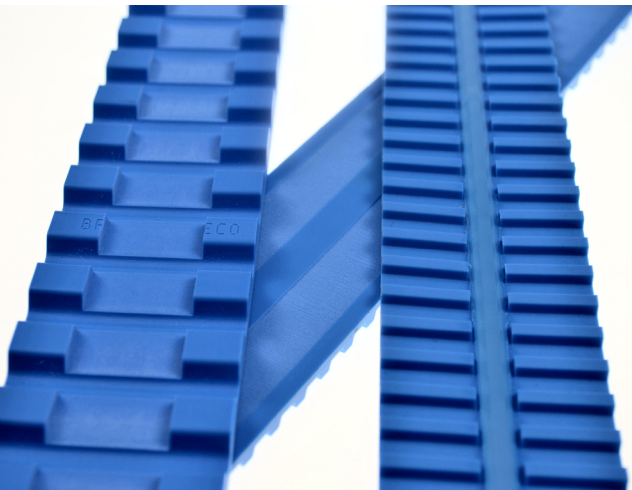


BRECOprotect



The BRECOprotect product line is specifically designed for the food and pharmaceutical industry. BRECOprotect are timing belts with steel cords completely enclosed in polyurethane, to protect them against corrosion.

According to the requirements of the food and pharmaceutical industry, all BRECOprotect timing belts are made of polyurethane in line with the compliance criteria of FDA 177.1680, the European Regulation 1935/2004, EU 10/2011, the European Commission Directives 90/128/CEE and 96/11/CE. The blue colour of the product range follows the general market trend toward a special food industry colour scheme.

BRECOprotect timing belts are designed specifically to meet the stringent requirements for food contact materials and the necessary cleaning processes involved. The design of these timing belts without coiling nose, prevents the build up of concealed and difficult to remove deposits and facilitates the cleaning process.

BRECOprotect timing belts are also suitable for use in moist environments, where there are severe limitations on the use of conventional timing belts on account of the effects of hydrolysis. The timing belts are available as open length (M) and endless welded (V) belts. The need for protection of the tension cords requires special care for additional mechanical processing of the polyurethane belt body. Belt designs with welded flights are in principle possible. The mandatory approved material and blue colour is recommended.

Your Angst+Pfister Product Application Engineer is at your disposal for drive design.



Features

- FDA 177.1680 and EC 1935/2004 approved
- Hydrolysis resistance
- Protected on all sides for open length version

Benefits

- Full FDA compliant polyurethane belt on the market
- Produced with the highest quality of raw material
- Use of steel cords allows higher load capabilities
- Smaller minimum pulley diameters compared to stainless steel cords

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Overview of the available BRECOprotect types

	16 mm	25 mm	32 mm	50 mm	75 mm	100 mm
AT5 PRO (M/V)	-	x	-	x	x	x
AT10 PRO (M/V)	-	x	x	x	x	x
AT15 PRO (M/V)	-	x	x	x	x	x
AT20 PRO (M/V)	-	x	-	x	x	x
T10 PRO (M/V)	x	x	x	x	x	x
T20 PRO (M/V)	-	x	-	x	-	-
F3 PRO (only M)	-	x	-	x	-	-

x = available, - = not available

Overview of possible processing types

Processing types				AT5 PRO	AT10 PRO	T10 PRO	AT15 PRO	AT20 PRO	T20 PRO	F3 PRO
Longitudinal groove on the tooth side (x_{max})				0.6 mm	2.2 mm	2.2 mm	3.3 mm	4.5 mm	4.5 mm	-
Longitudinal or cross milling of backs (y_{max})				-	0.3 mm	0.3 mm	0.3 mm	0.7 mm	0.6 mm	-
Wedge sealing	K6	Without contra-flexure	t_{min}	38	30	30	25	-	-	-
			d_{min}	60	95	95	120	-	-	-
		With contra-flexure	t_{min}	38	30	30	40	-	-	-
			d_{min}	60	120	95	250	-	-	-
	K13	Without contra-flexure	t_{min}	-	48	48	34	25	25	-
			d_{min}	-	150	150	160	160	160	-
		With contra-flexure	t_{min}	-	48	48	40	25	25	-
			d_{min}	-	150	150	250	180	180	-
Removing of individual teeth				possible						-
Angling belt edges				chamfer only up to tooth height						-
Back grinding				possible						-
Longitudinal milling of belt edges				up to maximum 0.2 mm minus allowance in relation to the nominal width						-
Perforating timing belts				only possible for special timing belts with a tension member free zone						-

