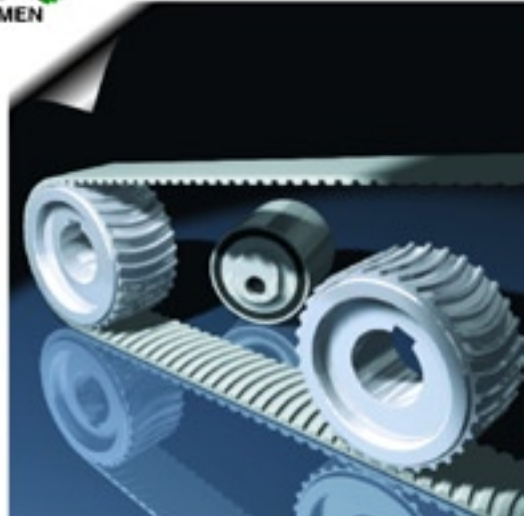
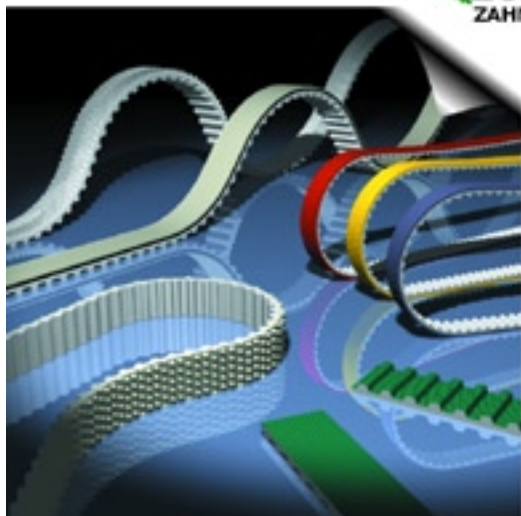
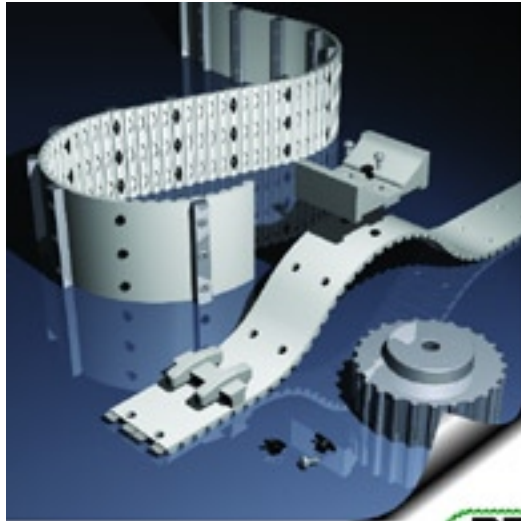


The blue BRECO® Timing belt

AT15 „protect“



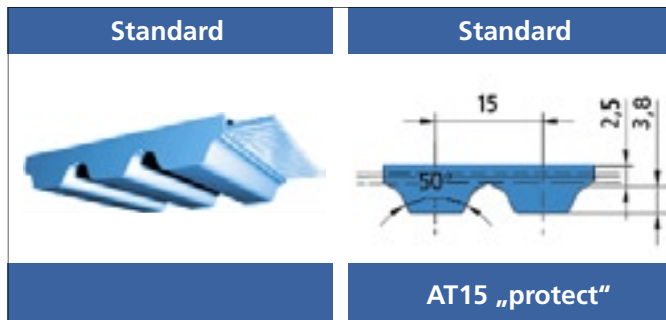
**B
R
E
C
O**



Partner-Info
I / 2010

September 2010

BRECO® Timing belt AT15 „protect“



The blue AT15 „protect“

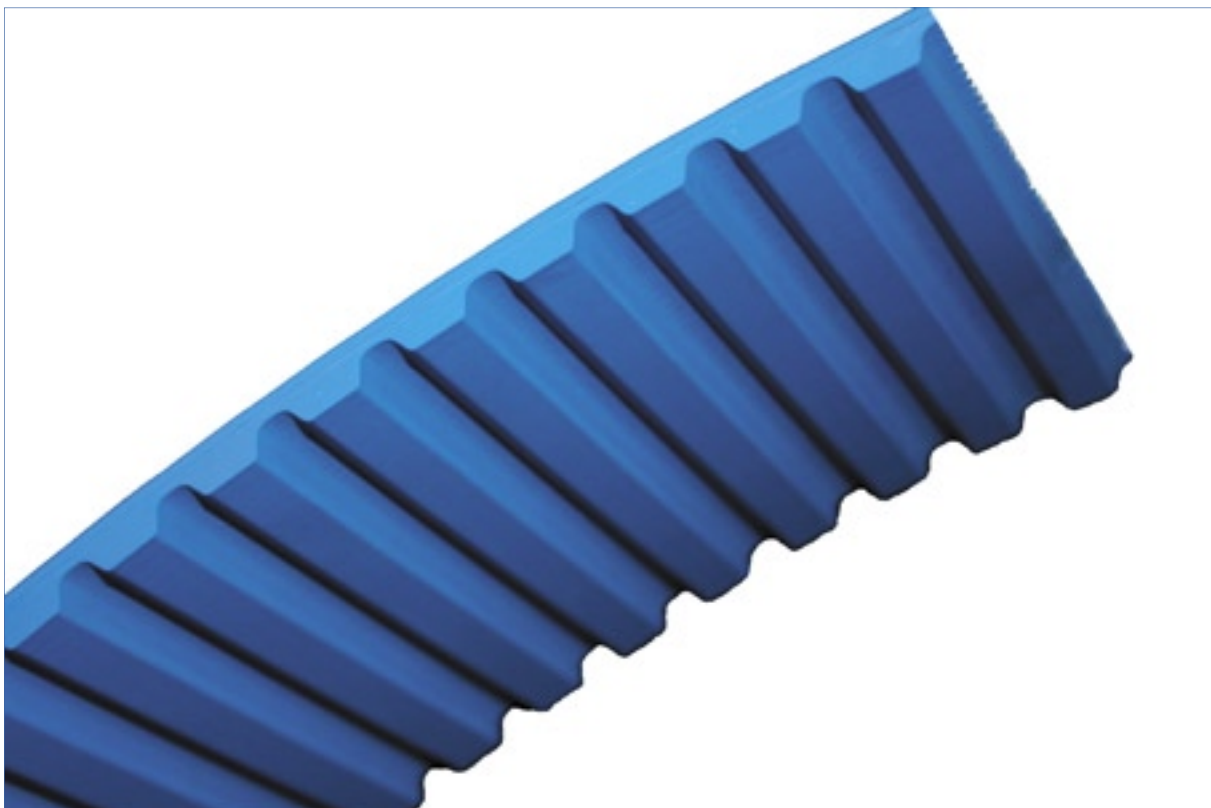
The AT15 „protect“ represents a timing belt with tension members fully embedded in polyurethane. The selection of the material for the timing belt fulfills FDA conformity. The blue colour consequently meets the current requirement of the foodstuff industry.

The polyurethane used meets the conformity criteria of the FDA regulations CFR § 177.1680, the European directives (EC) 1935-2004, 2002/72/EU, as well as the EC directives 90/128/CEE und 96/11/CE.

BRECO® timing belt (M/V)

Available lengths and versions

- Rolls of 50 or 100 meter, please specify shorter dimensions (cut to length) and lengths above 50 m separately
- **Material:** TPUAU1, conform to FDA requirements
- **Colour:** blue
- **Only belt widths according table available**

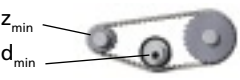
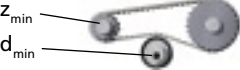


BRECO® Timing belt AT15 „protect“

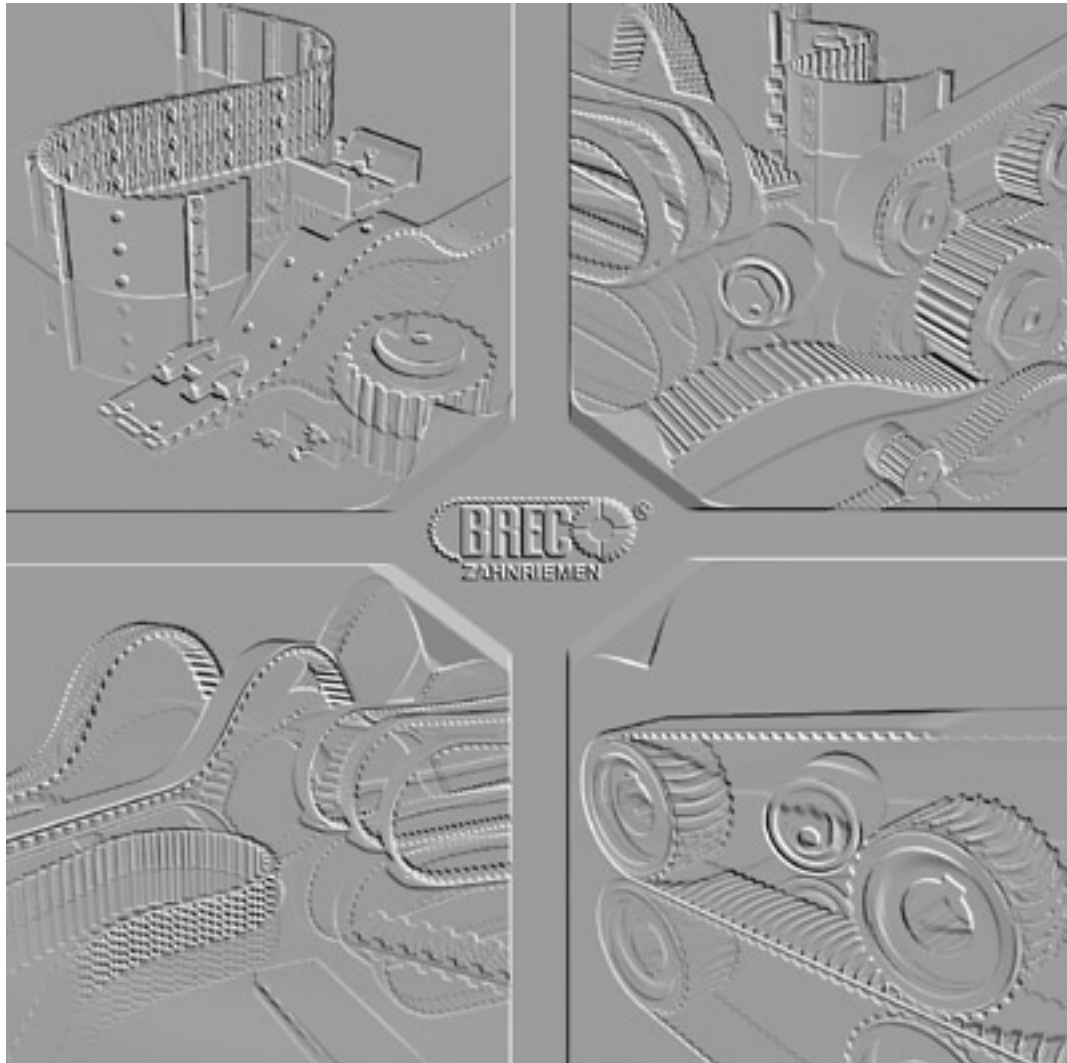
BRECO® AT15 (M/V)		Specific tooth force			
R.p.m. n [min ⁻¹]	F _{tspec} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspec} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspec} [N/cm]
0	140,00	1200	85,25	3600	53,21
20	138,80	1300	83,07	3800	51,54
40	136,60	1400	81,03	4000	49,95
60	134,50	1500	79,11	4500	46,28
80	132,60	1600	77,29	5000	42,98
100	130,80	1700	75,56	5500	39,98
200	122,90	1800	73,93	6000	37,22
300	116,50	1900	72,36	6500	34,68
400	111,20	2000	70,87		
500	106,60	2200	68,08		
600	102,60	2400	65,50		
700	99,00	2600	63,11		
800	95,75	2800	60,88		
900	92,80	3000	58,79		
1000	90,09	3200	56,82		
1100	87,58	3400	54,97		

BRECO® AT15 (M/V)		Tension cord strength F _{Tadm} / spec. elasticity / belt weight					
Belt width		b [mm]	25	32	50	75	100
M	steel tension member	F _{Tadm} [N]	4800	5600	9600	14400	19200
		C _{spec} [N]	1,2·10 ⁶	1,4·10 ⁶	2,4·10 ⁶	3,6·10 ⁶	4,8·10 ⁶
V	steel tension member	F _{Tadm} [N]	2400	2800	4800	7200	9600
Belt weight	Standard	[kg/m]	0,194	0,248	0,388	0,581	0,775

Calculation according instructions for BRECO® M and BRECO® V timing belts.

BRECO® AT15 (M/V)		Flexibility (Minimum numbers of teeth, minimum diameter)		
		Steel tension member		
			M	V
	without contra- flexure	z _{min}	25	25
		d _{min} [mm]	120	120
	with contra- flexure	z _{min}	40	40
		d _{min} [mm]	250	250

**B
R
E
C
O**



**BRECO Antriebstechnik
Breher GmbH & Co.
Kleiststrasse 53
D-32457 Porta Westfalica
Phone: +49 57 31 76 70- 0
Fax: +49 57 31 76 70- 16
e-mail: info@breco.de
Internet: www.breco.de**