

A system with many possibilities

The high-strength and removable profile attachment is based on the ATN system. The profiles are attached using screws in inset troughs, which can be used in the tooth by means of subsequent milling of individual belt teeth. The load on the connection is therefore not distributed to the individual inserts like in the ATN system, but rather across the entire width of the tooth. With this type of connection, the range of uses for ATN timing belts extends to areas that previously could not be realised due to an increased burden on the profile.

Another advantage of this connection is the ability to apply the ATN principle to other types of timing belts. Type AT10 and AT20 BRECOFLEX® and BRECO® timing belts can therefore be fitted with screwed on profiles after appropriate processing, so even these “traditional” conveyor belts can virtually achieve the flexibility of the ATN system.

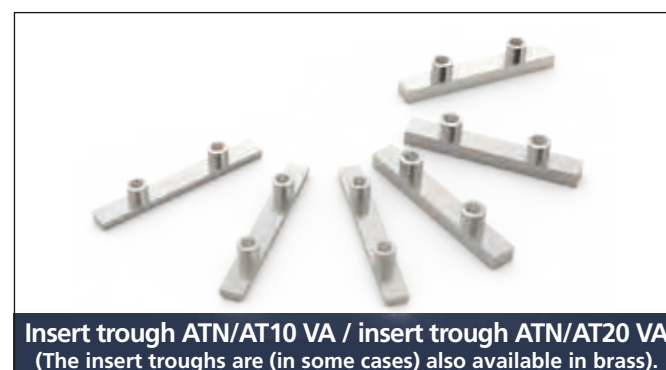


Tooth processing at ATN20



Profile connection at ATN20 / AT20

Available insert trough widths	Number of threads
32 (only available in VA)	2
50	2
75	3



Insert trough ATN/AT10 VA / insert trough ATN/AT20 VA
(The insert troughs are (in some cases) also available in brass).

Suitable screw types for brass insert troughs

Allen screws according to DIN 7984 (galvanised) with hexagonal socket and low head (batch size 500 units)

Belt type	Screw type	Screw length	D	H
ATN10 / AT10	M4×8	8 mm	7,0	2,8
	M4×12	12 mm	7,0	2,8
	M4×16	16 mm	7,0	2,8
ATN20 / AT20	M5×12	12 mm	8,5	3,5
	M5×16	16 mm	8,5	3,5
	M5×20	20 mm	8,5	3,5



Allen screws according to DIN 7984 (galvanised)

Suitable screw types for VA insert troughs

Allen screws according to DIN 7984 (VA, material number 1.4301) with hexagonal socket and low head (batch size 500 units)

Belt type	Screw type	Screw length	D	H
ATN10 / AT10	M4×8	8 mm	7,0	2,8
	M4×12	12 mm	7,0	2,8
	M4×16	16 mm	7,0	2,8
ATN20 / AT20	M5×12	12 mm	8,5	3,5
	M5×16	16 mm	8,5	3,5
	M5×20	20 mm	8,5	3,5



Allen screws according to DIN 7984 (VA)

Ordering information

The current order designation for the belt types is to be used when ordering. The pitch distances of the belt teeth to be processed must be specified. The insert troughs are available in brass (MS) and stainless steel (VA). Please also use the order designation given here. The screws to be used correspond to the types offered for the ATN system.

Examples:

BRECO® TIMING BELT 75 ATN20 / 5600 V
Transverse milling insert trough ATN/AT20,
Pitch distance 80 mm
Insert trough 75 ATN/AT20 MS, number of units 70
Specification of screw type according to table (optional)

BRECOFLEX® TIMING BELT 50 AT10 / 6800 TPUFD1
Transverse milling insert trough ATN/AT10,
Pitch distance 200 mm
Insert trough 50 ATN/AT10 VA, number of units 34
Specification of screw type according to table (optional)