

3 / Insert parts

■ High-strength polyamide

Polyamide fastening inserts call for the use of tapping screws which are available in stock (see table below). The use of other non-approved tapping screws may cause deformation of the inserts or a reduction of the nominal tension force.

■ Brass and stainless steel

These inserts are provided with a threaded locating hole, allowing the use of standard M4 (ATN10/12.7) and M5 (ATN20) screws.

Characteristic of insert parts

Type	Material	Profile material	Tightening torque (N.cm)	Axial force (N)	Screw type
ATN10 & ATN12.7	Polyamide	Polyamide	70	100	Tapping
		Metal	70	100	
		PU	50	40	
	Brass	Polyamide	100	170	M4
		Metal	100	320	
	Stainless steel	Polyamide	100	170	
		Metal	100	320	
ATN20 & ATNS20	Polyamide	Polyamide	100	160	Tapping
		Metal	100	160	
		PU	80	40	
	Brass	Polyamide	150	240	M5
		Metal	150	490	
	Stainless steel	Polyamide	150	240	
		Metal	150	490	

■ Version C

Standard belt, plate with extra thickness.

■ Version DC

Belt with extra thickness of PU on the back and embedded back plates.

■ Version DC pro

Allows the attachment of a profile in the connection area.



For the DC and DC PRO versions the thickness of the belts is increased by 0.9 mm.

The mechanical joint system for ATN belts enables the belt to be quickly changed without removal from the machine. The belt can be supplied pre-assembled or ready for assembly with a "connection elements" kit.

Version that can be produced:

	Version C	Version DC
ATN10	●	●
ATN12.7	●	●
ATN20		●
ATNS20		●
ATN10 K6	●	●
ATN12.7K6	●	●

■ Force transmittable by the mechanical locks

Belt widths (mm)	50	75	100
ATN10 - ATN10 K6	750 N	1 150 N	1 500 N
ATN12.7 - ATN12.7 K6	750 N	1 150 N	1 500 N
ATN20	1 000 N	1 500 N	2 000 N
ATNS20	1 000 N	1 500 N	-

■ Length of mechanical locks

Applicable regardless of version (C, DC or DC PRO):

For ATN10 and ATN12.7: 10 teeth, 9 pitches.

For ATN20 and ATNS20: 9 teeth, 8 pitches.

4 / Screws

	Galvanised steel screw DIN 7984	Stainless steel 1.4301 screw DIN 7984	Hardened steel PT10 tapping screw
ATN10 / ATN12.7 / ATN10K6 / ATN12.7K6	M4 x 8	VA M4 x 8	Z40 x 8
	M4 x 12	VA M4 x 12	Z40 x 12
	M4 x 16	VA M4 x 16	Z40 x 16
ATN20 / ATNS20	M5 x 12	VA M5 x 12	Z50 x 12
	M5 x 16	VA M5 x 16	Z50 x 16
	M5 x 20	VA M5 x 20	Z50 x 20

5 / Option: connection with lock system

Belts are normally joined by welding. We nevertheless suggest a lock system for complex installations.



Belt versions