BRECO® AT10 DC / T10 DC

Timing belt lock for BRECO® TIMING BELTS

The BRECO® timing belt lock for the timing belt types AT10 DC and T10 DC is mainly used for low load drives but extensive assembly work.

The lock offers substantial savings in work and costs where, for design purposes, the timing belt can only be joint to an endless belt after being inserted in the machine.

It can also be used as an „Emergency belt" to bridge downtimes as a result of malfunctions and belt failures. When using the lock for timing belts with flighted profiles, take a minimum profile spacing of 100 mm into account.
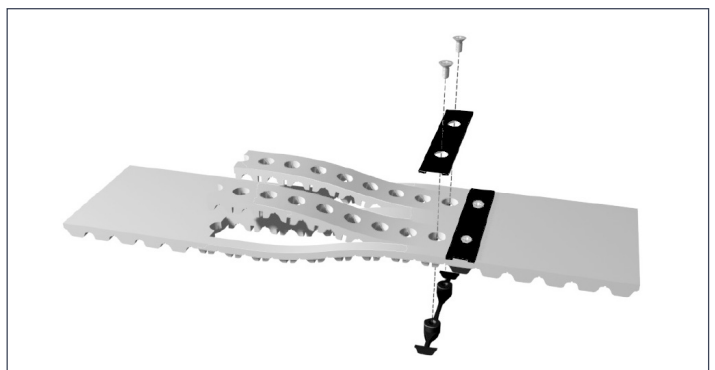

AT10 DC / T10 DC Timing belt lock

Technical data

Material of lock elements	carbon fiber reinforced polyamide
Length of the lock (tooth center to tooth center)	90 mm
Number of connecting elements	10
Width of connecting plates	8 mm
Thickness of the timing belt (version DC)	5.5 mm
minimum number of teeth of the pulley (use only normal gap)	25

Timing belt lock AT10 DC / T10 DC				
Available belt width [mm]	32	50	75	100
Admissible tensile force [N]	550	750	1000	1500

AT10 DC / T10 DC timing belt lock (pictorial schematic)

Ordering information

The lock elements on the belt rear are countersunk so that the elements are flush with the belt top edge. For this reason, the timing belt usedmust be thicker than the standard BRECO® AT10 or T10 timing belt.

Ensure that you specify the version as „DC" when ordering an „AT10" or „T10" belt.

Ordering examples

Ordering example for timing belts prepared for belt lock (belt-lock isn't assembled)
75 AT10 / 8400 DC oder 100 T10 / 6000 DC

Ordering example for timing belt lock
75 AT10 DC oder 100 T10 DC

Ordering example for timing belt with lock (belt lock is preassembled)
50 AT10 / 5400 DC assembled
50 AT10 DC assembled

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Annotation:
Specify the two respective designations when ordering the timing belt and the lock. If only the timing belt designation is specified, only the timing belt will be supplied with the respective preparation for the lock.