

# High-power version GEN III

## CONTI SYNCHROFLEX® Timing Belt (SFX) AT GEN III / ATP GEN III



### A powerful basis

The combination of high tensile steel cord tension members and wear resistant polyurethane forms the basis for dimensionally stable and extremely durable high-performance timing belts. A convincing technology with excellent product features that include:

- constant length, no post-elongation
- high dimensional stability
- high-torque transmission
- quiet running
- maintenance-free
- lubrication-free
- highly chemical resistant and mechanically durable

### Each generation is different.

#### GEN III is better!

It was worth its while to focus on further developing the power drives of the AT and ATP range CONTI SYNCHROFLEX® polyurethane timing belts because the new GEN III generation excels in a 25% increase in power transmission compared with the AT/ ATP standard. Another economic bonus: all CONTI SYNCHROFLEX® GEN III polyurethane timing belts support the use of standard AT/ATP pulleys.

Mulco partners everywhere agree that advancement is synonymous to providing solutions for every product at a level of sophistication down to the smallest detail. A bifilar tension member arrangement and a higher packing density translates this into the CONTI SYNCHROFLEX® GEN III polyurethane timing belt for the AT and ATP ranges.

The high-performance polyurethane designed for dedicated use with the CONTI SYNCHROFLEX® GEN III polyurethane timing belts yields greatly improved benchmark results compared with the standard. One of the benefits is that its increased hardness allows line engineers to count on a larger number of load-carrying teeth.

**CONTI SYNCHROFLEX® GEN III – with up to 25% greater power transmission compared with the AT / ATP standard:**

- increased tensile force  $F_{zul}$  to max. +45% due to closer wound cords
- Increased power transmission  $F_{spec}$  +25%
- redesigned bifilar steel (S and Z) cord balance for better tracking
- reduced flange friction
- lower running noise with narrower belt width for equal performance
- longer life
- load bearing teeth force distribution – increased by up to 30%
- temperature range up to +100° C  
(For performance values close to the range limit, please contact your Mulco sales partner.)

Two-filament tension member arrangement

New high performance polyurethane

