

# MEGALINEAR QST

## The Sound of Silence

Megadyne has expanded its range of polyurethane products with the new **Megalinear Quiet Self Track**.

The precise and continuous mesh between belt and pulley, delivers an improved reduction in noise level, versus traditional types of trapezoidal and curvilinear tooth designs. Additionally, Megalinear QST products are self-tracking, eliminating the need for flanged pulleys.



### Main Applications

- Linear units
- Elevators
- Automatic warehouse
- Automatic doors
- Packaging

# MEGALINEAR QST

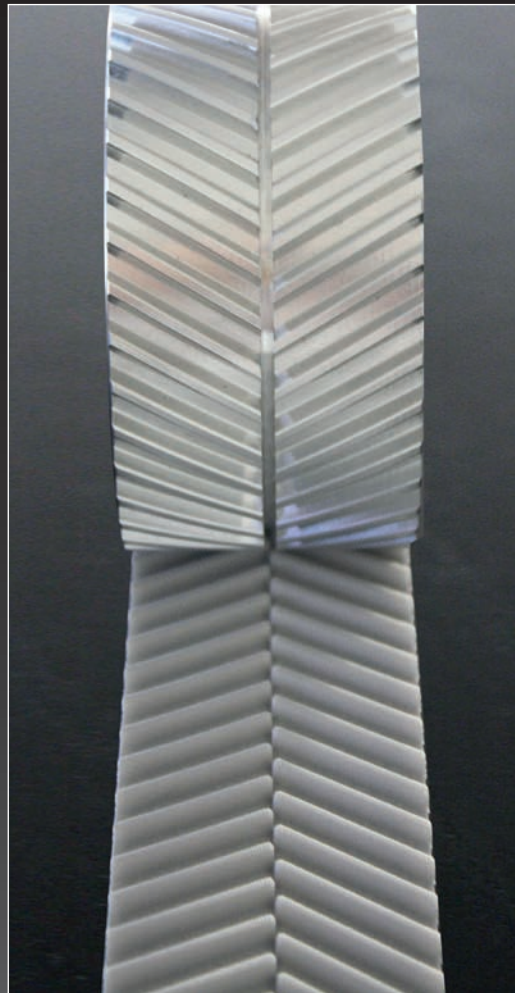
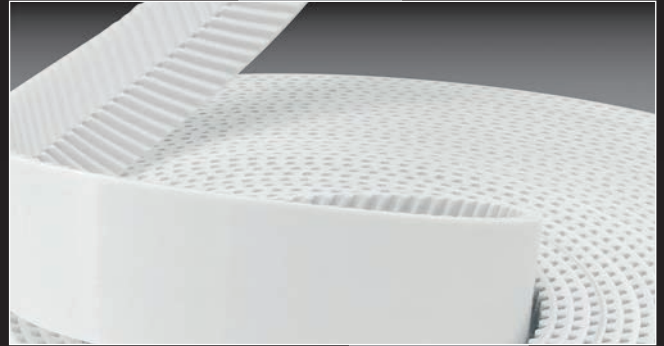
## The Sound of Silence

### LOW NOISE

Megalinear QST provide the solution where current belt application generate too much noise.

The Helical Offset Tooth design and continuous tooth engagement, allows MEGALINEAR QST to run more quietly than any other synchronous product.

Megalinear QST shows a significant reduction of dB (A) in the applications where traditional timing belt tooth profiles are used.



### SELF-TRACKING, NO PULLEY FLANGES REQUIRED

Megalinear QST design consists of a left and right helix, which guides the belt into the centre of the QST pulley, eliminating any belt wander and ensuring high precision linear positioning.

The self-tracking nature of the Helical Offset Tooth eliminates the need for pulley flanges.

### HIGH TORQUE CAPACITY

Megalinear QST features nylon facing on the Helical Offset Tooth increasing the tensile load capacity, allowing the teeth to deliver more torque.

MEGALINEAR QST ensures a greater belt life.

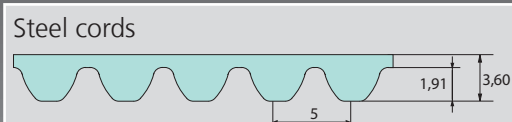
### GOOD RESISTANCE TO:

- Ageing
- Hydrolysis
- UVA
- Ozone, most acids and alkalis
- Oils, grease and fat

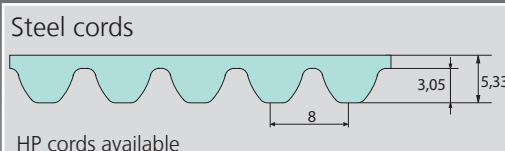
Megalinear QST works at temperature range between  $-25^{\circ}\text{C}$  +  $80^{\circ}\text{C}$ . Compatible for fabrication with other thermoplastic materials.

## PRODUCT RANGE

### QST 5



### QST 8



### QST 14

