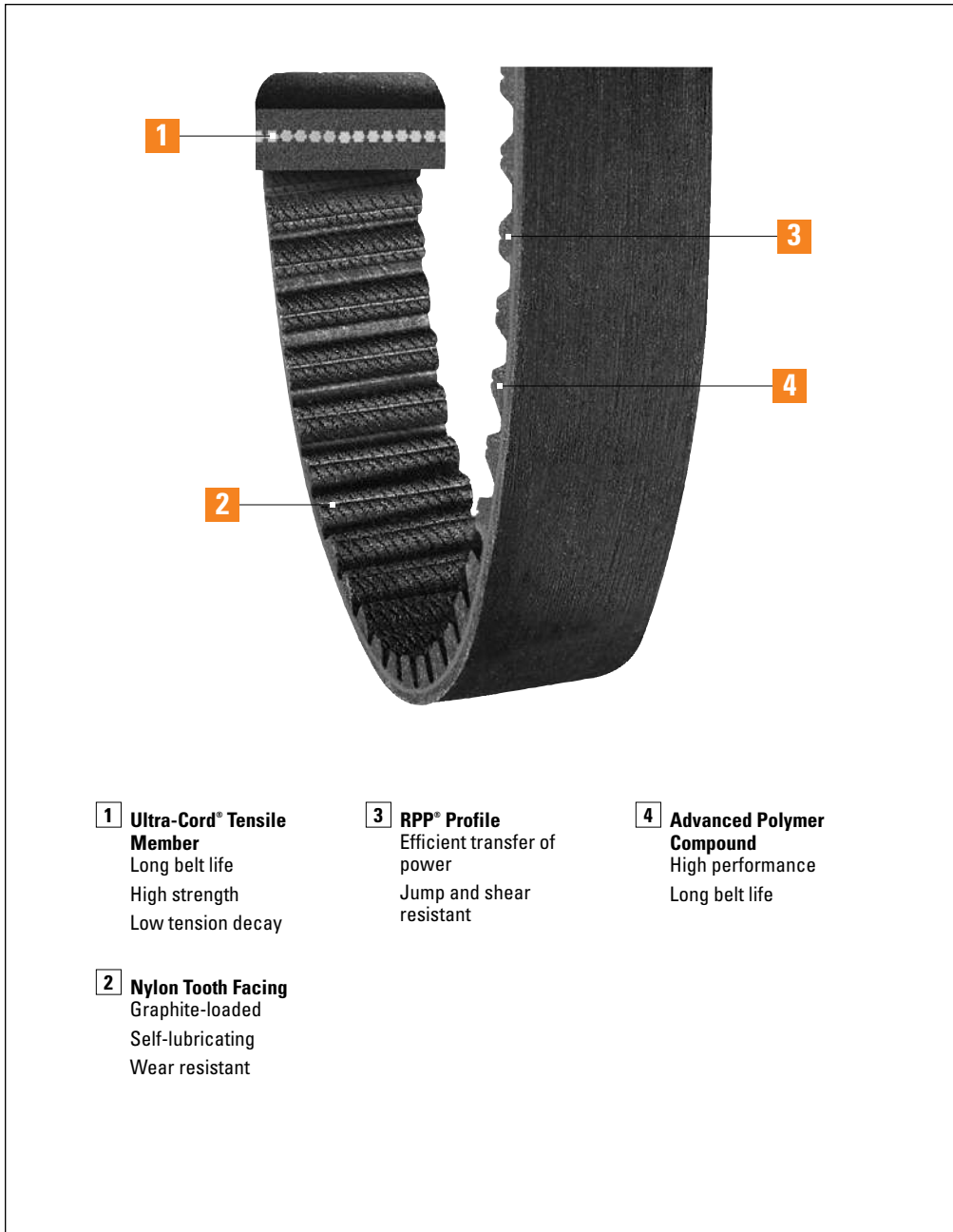


# Air-Cooled Heat Exchanger (ACHE) Synchronous Drive Belt



**1 Ultra-Cord® Tensile Member**  
Long belt life  
High strength  
Low tension decay

**2 Nylon Tooth Facing**  
Graphite-loaded  
Self-lubricating  
Wear resistant

**3 RPP® Profile**  
Efficient transfer of power  
Jump and shear resistant

**4 Advanced Polymer Compound**  
High performance  
Long belt life

**Recommended Sprockets:**  
High Torque Synchronous Sprockets – MPB, OD, Taper Bushed (14mm)

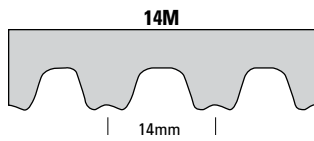
Special “Z” twist construction for air-cooled heat exchangers

Using only “Z” twist cord provides an upward direction of lateral movement which helps keep the belt off of the bottom flanges, reducing excessive wear on the bottom side of the belt

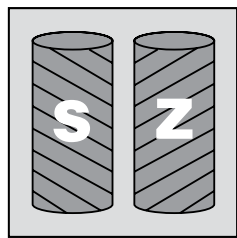
**Applications:**  
Air-cooled heat exchangers

# Air-Cooled Heat Exchanger (ACHE)

## Synchronous Drive Belt



**Special "Z" twist cord construction for air-cooled heat exchanger applications.**



Timken ACHE (Air-Cooled Heat Exchanger) synchronous belts are manufactured using a special construction. Because the drive has a vertical shaft, the belt is built with "Z" twist cords only.

This gives the belt an upward direction of lateral movement which reduces excessive wear on the bottom side of the belt.

The cord in a synchronous belt is made up of a number of small fiber strands twisted together. These strands can be twisted either clockwise or counterclockwise. The two twist directions are referred to as "S" twist and "Z" twist. To reduce lateral movement, most synchronous belts are constructed by alternately spiraling "S" and "Z" type cords. Timken ACHE belts use only "Z" twist cords to predetermine the lateral movement of the belt.

Part Number Example: **3150-14M-55F =**

**3150** - **14M** - **55** **F**  
 Pitch Length (millimeters) - Tooth Pitch (RPP tooth profile) - Width (millimeters) - Z-Twist Cord Construction

## Air-Cooled Heat Exchanger Belt Part Numbers

Note: Air-Cooled Heat Exchanger belts can be cut to different widths as needed

Part Number	Number of Teeth	Pitch Length (mm)	Pitch Length (inches)	Weight (lbs.)
<b>14M Pitch – High Torque Synchronous (HTS) Sprockets: MPB, QD, Taper Bushed (14mm)</b>				
2800-14M-55F	200	2800	110.2	3.1
2800-14M-85F	200	2800	110.2	4.8
3150-14M-55F	225	3150	124.0	3.5
3150-14M-85F	225	3150	124.0	5.4
3360-14M-42F	240	3360	132.6	2.8
3360-14M-55F	240	3360	132.6	3.7
3360-14M-85F	240	3360	132.6	5.7
3500-14M-25F	250	3500	137.8	1.8
3500-14M-37F	250	3500	137.8	2.6
3500-14M-40F	250	3500	137.8	2.8
3500-14M-55F	250	3500	137.8	3.9
3500-14M-85F	250	3500	137.8	6.0
3850-14M-30F	275	3850	151.6	2.3
3850-14M-40F	275	3850	151.6	3.1
3850-14M-55F	275	3850	151.6	4.2
3850-14M-85F	275	3850	151.6	6.6
4326-14M-40F	309	4326	170.3	3.5
4326-14M-55F	309	4326	170.3	4.8
4326-14M-85F	309	4326	170.3	7.4

# Air-Cooled Heat Exchanger (ACHE) Sleeves



- Full factory width sleeves
- Sleeve edges are trimmed before shipment
- Sleeves cannot be accepted for return

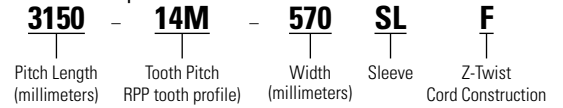
Timken Belts maintains inventory of most sleeve sizes. Contact customer service for availability. Minimum order quantity and/or extended lead times may apply.

Occasional production inconsistencies which may render a portion of the sleeve unusable can be present as a normal part of the production process.

Each sleeve is inspected to ensure that it contains 90% or more usable product. A full width sleeve with less than 10% unusable product is considered acceptable.



Part Number Example: **3150-14M-570SLF** =



## Air-Cooled Heat Exchanger Sleeve Part Numbers

Part Number	Top Width (mm)	Sleeve Weight (lbs)
<b>14M Pitch – High Torque Synchronous (HTS) Sprockets: MPB, QD, Taper Bushed (14mm)</b>		
2800-14M-570SLF	570	32.0
3150-14M-570SLF	570	36.0
3360-14M-570SLF	570	38.4
3500-14M-570SLF	570	40.0
3850-14M-570SLF	570	44.0
4326-14M-570SLF	570	49.4