

National EHS Alert



Schindler Suspension and Traction Media (STM)

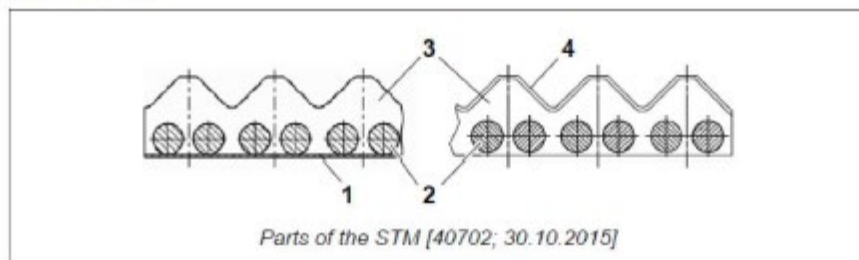
Schindler

Subject

Schindler MRL products use traction media which is sometimes referred to as 'belts'. Schindler STMs have been assessed and certified by an external 'notified body' TUV, for use in specific conditions.

STM parts see below;

Overview of MM STM



- | | | | |
|---|---------------------|---|------------------------|
| 1 | Foil | 2 | Cord (tension element) |
| 3 | Elastomeric coating | 4 | Dual layer |

Installations will have more than one STM (belt) this is dependant on product type and load, typically 2 or 4 STMs.

Requirements

There are some specific requirements with regards to Schindler STMs.

Wrong handling – may decrease its lifetime or affect its traction capacity. Handle the STMs with care.

Do not drag STMs over the floor or over abrasive conditions.

Do not crimp the STM, minimum bend/curvature ≥ 85 mm allowed.

If replacement is required replace all STMs (don't mix old with new) and all STMs must be from the same manufacturer.

Exposure to lubricants – is not allowed.

Do not lubricate or pollute the STM or any surfaces the STM is normally in contact with. Clean with dry cloth only if needed, do not use any cleaning products, white spirits, or acetone etc.

Immersion – in water.

This may contaminate the steel core and change the frictional characteristics of the STM, after immersion the STMs must be replaced.

STM lifetime limits – either via counted trips or maximum time period.

STM trip counter monitoring (which is not to be reset) $\leq 3,600,000$ trips.

STM maximum lifetime before replacement ≤ 15 years.

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Recommendations

Inspect the STMs regularly, minimum every 12 months or 6 monthly where the lift performs, >100,000 trips/year.

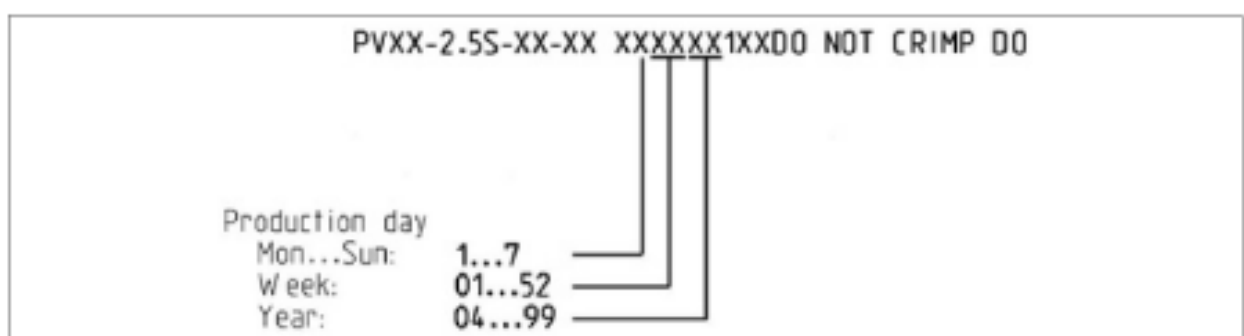
If the STMs appear to be damaged in any way, i.e. excessive cracking of the elastomeric coating, exposed core, broken strands or rust is evident the STM needs to be replaced. Keep the STMs clean, and only clean with a dry cloth if necessary.

Mandatory Replacement Requirements

1. If the STM has been immersed in water, replace the STMs.
2. Most products will monitor the trips and advise prior of impending STM replacement*, regardless replace the STMs when the trip counter reaches 3,600,000.
3. When the age of the STM's reaches 15 years** old replace the STMs.

**Some products will shut the lift down until replacement of the STMs has occurred and new coding has been entered.*

***You can check the date stamp on the STMs if you are unsure of the installation date. See below.*



If you are unsure or for further information, contact the Schindler office in your state or territory, or Schindler Head Office +61 2 9931 9900.