Twiflex®
Altra Industrial Motion

Application Profile

Product

Twiflex Laylink and Layrub Couplings

Application

Modern Rail Traction

Highlights

- Twiflex Laylink and Layrub couplings absorb greater movements and misalignments
- Designed and adapted into housings to meet varying requirements
- Certified to ISO 9001

Rail traction systems have undergone a change from the traditional use of DC motors to the use of more compact AC systems. These motors are lighter, require less maintenance, operate at higher speeds and provide braking to stopping conditions; however they also carry the penalty of greater torque “ripples” and generate higher shock torques.

This means that the connection between an AC motor and gearbox or drive shaft and track wheel has to be designed with higher excitation torques, speeds and shock loadings, reduced space and the necessity to absorb greater movements and misalignments.

Twiflex with its many years of experience is continuing to service these new demands with Layrub and Laylink couplings specifically designed to meet the requirements of the modern rail traction engineer. The Twiflex coupling is based on a standard rubber component which can be designed and adapted into housings to meet these many varying requirements.

An experienced design and engineering team operate from the company’s UK base using CAD and computer modelling systems linked to some of the most modern manufacturing facilities in Europe. Twiflex is approved by organisations such as the MOD, Aerospace, Rolls Royce and British Coal and is certified to ISO 9001.

Twiflex couplings are used by rail operators world-wide and have a proven record of toughness, reliability and long service in climates and track conditions ranging from the Arctic wastes of Northern Scandinavia to the arid conditions of the Australian outback.

US (Customer Service)
+44 (0) 8894 1161
twiflex.com

Europe
+44 (0) 8894 1161

Asia Pacific
For a list of our AP sales offices:
altramotion.com/contactus

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