

WP0244

Dodge® Grid-Lign couplings: interchangeability with Falk Steelflex

Dodge Customer/Order Engineering

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ABB Engineers have conducted testing in order to validate functional interchangeability between Dodge Grid-Lign and Rexnord Falk Steelflex grid couplings. This testing consisted of subjecting these couplings to high torque and maximum combined angular and parallel misalignment. Testing was performed on Dodge assemblies, Falk assemblies, and assemblies with intermixed Dodge and Falk grid segments and hubs. The samples were run until failure or until they successfully completed the predefined test length of 750 hours. Testing results showed that the grid segments and hubs from Dodge Grid-Lign and Falk Steelflex are functionally and dimensionally interchangeable.

The individual components of the cover assemblies (seals, gaskets and covers) are not dimensionally interchangeable. For example, a Steelflex seal cannot be used in a Grid-Lign cover and a Grid-Lign seal cannot be used in a Steelflex cover. However, the complete assemblies are interchangeable. Replacing a complete Falk Steelflex cover assembly with a complete Dodge Grid-Lign cover assembly on Falk Steelflex hubs is possible and will result in similar performance.

It is not possible to mix T31/T35 shaft hubs and spacer hubs from different manufacturers. Functionally these designs are interchangeable, but dimensionally they are not. For that reason, a Steelflex T31/T35 shaft hub cannot be used with a Grid-Lign T31/T35 spacer hub or vice versa.

For additional information or questions related to the interchangeability of the Dodge Grid-Lign coupling, Dodge Bearings and PT Component Customer Order (C.O.) Engineering should be contacted.

EXTERNAL/PUBLIC DOCUMENT

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