Road vehicles — Fully automatic coupling systems 24 V (FACS) for heavy commercial vehicle combinations —

Part 2: 50 mm fifth wheel couplings — Electrical and pneumatic interface

Véhicules routiers — Dispositifs d’attelage entièrement automatiques 24 V (FACS) pour ensembles routiers lourds —

Partie 2: Sellettes d’attelage pour pivot de 50 mm — Interface électrique et pneumatique
Foreword

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The committee responsible for this document is ISO/TC 22, Road Vehicles, Subcommittee SC 15, Interchangeability of components of commercial vehicles and buses.

ISO 13044 consists of the following parts, under the general title Road vehicles — Fully automatic coupling systems 24 V (FACS) for heavy commercial vehicle combinations:

— Part 1: General requirements and definitions
— Part 2: 50 mm fifth wheel couplings — Electrical and pneumatic interface
Introduction

This International Standard specifies the integrated electrical and pneumatic connections of an automated fifth wheel coupling system for articulated vehicles and related components.

Fully Automated Coupling Systems improve safety and comfort of vehicle combinations.

a) Higher safety standards
   reduction of operational accidents,
   less injured drivers because no need for driver to stay in the dangerous zone between the towing and the towed vehicle while uncoupling.

b) Higher comfort level
   Fully Automated Coupling Systems eliminate necessity to access the coupling,
   higher comfort makes “Driver-Job” easier and safer,
   new components create space for future extensions and potentials.

c) Cost reduction for end user
   less inactive periods for the vehicle combination due to less damage and repair,
   less repair and maintenance of cables and pipes.