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| Nota di contenuto | Transmissions and drivetrain design -- Transmission -- The clutch -- Propeller shaft(s) -- Retarders -- comprehension questions -- Abbreviations and symbols. |
| Sommario/riassunto | The aim of this work, consisting of 9 individual, self-contained booklets, is to describe commercial vehicle technology in a concise and illustrative way. Compact and easy to understand, it provides an overview of the technology that goes into modern commercial vehicles. Content of this volume This volume, Transmissions and Drivetrain Design, begins with an explanation of how driving resistance and the engine characteristics factor into the configuration of the transmission and transmission ratios. The transmission and its associated assemblies are presented in detail, providing a clear understanding for training and practical applications. Other components of the drivetrain such as the propeller shaft, the clutch and the retarder are also discussed. The author Dr. Michael Hilgers currently is a senior manager for powertrain testing at Daimler Truck in Stuttgart. Before that he headed a Daimler Truck testing center in China, was head of a CAE department for Mercedes-Benz Trucks and was responsible for a department in mechatronic development at Mercedes-Benz Trucks. |

