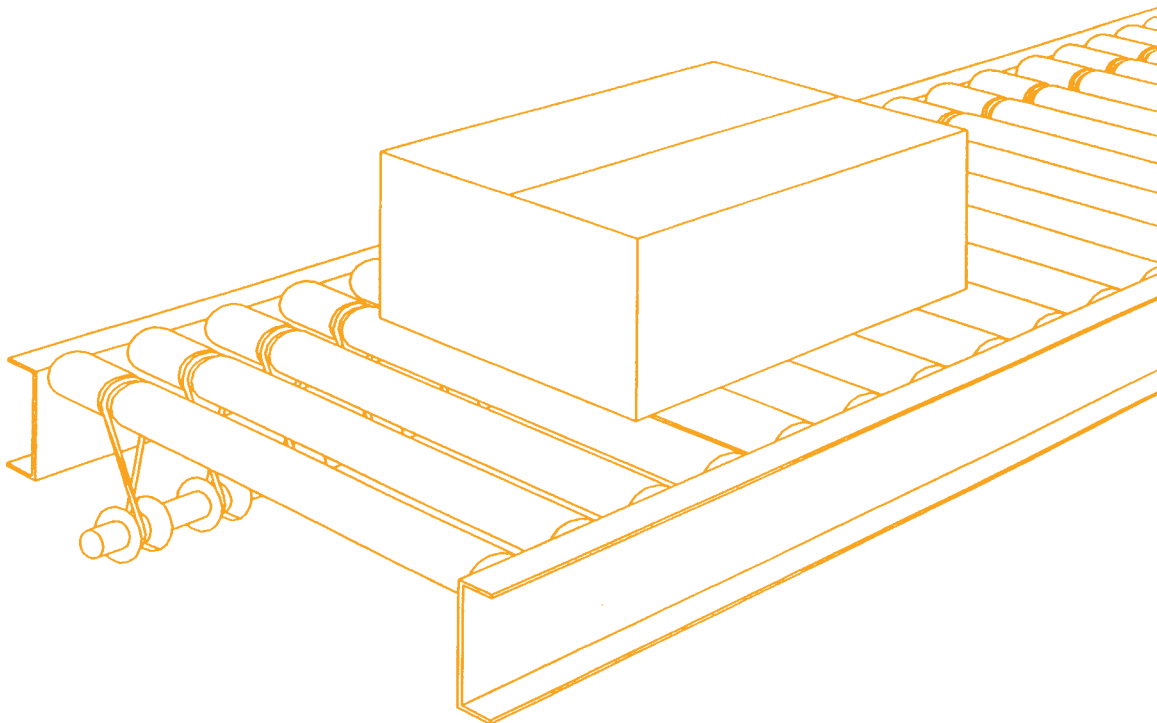


# CEMA STANDARD NO. 406-2003



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Reaffirmation of ANSI/CEMA 406-2003  
( Approved January 28, 2015 )

## LINESHAFT DRIVEN LIVE ROLLER CONVEYORS



### Unit Handling Conveyors



Conveyor Equipment  
Manufacturers Association

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## FOREWORD

Lineshaft Driven Live Roller (Lineshaft Conveyors) - Conveyors with rollers powered by drive belts from a rotating shaft used to move unit loads of varying sizes and shapes.

The path is usually level, however slight inclines or declines are permitted depending upon the unit load being handled, the belt tension and the drive friction between the drive belt, spool and rotating lineshaft.

Lineshaft conveyor can be operated at the speed best suited for the work being performed. They are used to accumulate, transport, merge, diverge, and sort unit loads.

The purpose of this document is to establish nomenclature and application guidelines for use in manufacturing and applying lineshaft driven live roller conveyor.

For additional information relating to definitions and selection of common components, see the latest edition of the following publications: ANSI/CEMA Standard No. 102, Conveyor Terms and Definitions; ANSI/CEMA Standard No. 401, Roller Conveyors - Non Powered; ANSI/CEMA Standard No. 402, Belt Conveyors; ANSI/CEMA Standard No. 403, Belt Driven Live Roller Conveyors; ANSI/CEMA Standard No. 404, Chain Driven Live Roller Conveyors; and ANSI/CEMA Standard No. 405, Slat Conveyors

The illustrations throughout this book are schematic in nature and represent the general nature of a particular device. The illustrations are not intended to represent the recommended safety configurations since guarding has been omitted to permit clarity in showing the operational characteristics of the device. Refer to the current editions of ANSI/ASME B20.1, Safety Standard for Conveyors and Related Equipment; ANSI/ASME B15.1, Safety Standard for Mechanical Power Transmission Apparatus; and ANSI Z244.1, American National Safety Standards for Lock-out/Tag-out of Energy Sources - Minimum Safety Requirements; Title 29, Code of Federal Regulations (29 C.F.R.) Part 1910.147, The Control of Hazardous Energy (lock-out/tag-out); Title 29, Code of Federal Regulations (29 C.F.R.) Part 1910 Subpart O, Machinery and Machine Guarding. Consult ASME or ANSI for the latest editions.

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