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**CEMA STANDARD NO. 575-2000**

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**PREVIEW COPY**

**Bulk Material Belt Conveyor  
Impact Bed/Cradle**

**Selection and Dimensions**

**PDF Version**



**CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION**



**CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION  
(CEMA)**

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END

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**Bulk Material Belt Conveyor  
Impact Bed/Cradle  
Selection and Dimensions**

*Prepared by*  
The Bulk Belt Conveyor Accessories Committee  
Of  
The CEMA General Bulk Handling Section

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## Foreword

Impact Beds/Cradles are used to reduce premature idler failure and reduce belt damage in the load zone of bulk material handling conveyor systems. This standard has been established to provide a uniform method of rating and dimensioning among the various manufacturers of conveyor belt Impact Beds/Cradles.

This standard assures the users of conveyor Impact Beds/Cradles that an Impact Bed/Cradle is dimensionally compatible with conveyor idlers manufactured to the CEMA Standard No. 502, most current revision. The 575 standard establishes impact energy ratings to assure the end user the Impact Bed/Cradle is structurally suitable for the application. This standard does not restrict the manufacturer, who has complete freedom to design all parts of the Impact Bed/Cradle according to its best engineering judgement based upon the information supplied by the end-user.

There are three classes of Impact Beds/Cradles rated according to the weight and height of fall of the bulk material and conveyor idler class. Manufacturers voluntarily specify into which class their particular designs fall.

It is hoped this standard will assist the end user in receiving an Impact Bed/Cradle, which is structurally suitable for the specified conditions and reduce the misapplication of Impact Beds / Cradles.

The capacity of the conveyor belt to withstand impact varies according to belt construction. Contact the belt supplier for information regarding the ability of a specific conveyor belt to withstand impact.

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