

Boston Gear

Boston Gear offers the industry's largest line up of reliable speed reducers, gearing and other quality drivetrain components.

With more than 125 years of frontline experience, Boston Gear is recognized globally as a premier resource for extremely reliable, high-performance power transmission components. Boston Gear offers the industry's most comprehensive product array featuring more than 30,000 standard products combined with the ability to custom engineer unique solutions when required. Product lines include standard enclosed gear drives, custom speed reducers, AC/DC motors, DC drives and Centric brand overload clutches and torque limiters.

VISIT US ON THE WEB AT
BOSTONGEAR.COM



Altra Motion

Altra is a leading global designer and producer of a wide range of electromechanical power transmission and motion control components and systems. Providing the essential control of equipment speed, torque, positioning, and other functions, Altra products can be used in nearly any machine, process or application involving motion. From engine braking systems for heavy duty trucks to precision motors embedded in medical robots to brakes used on offshore wind turbines, Altra has been serving customers around the world for decades.

Altra's leading brands include **Ameridrives**, **Bauer** Gear Motor, **Bibby** Turboflex, **Boston Gear**, **Delevan**, **Delroyd** Worm Gear, **Formsprag** Clutch, **Guardian** Couplings, **Huco**, **Jacobs** Vehicle Systems, **Kilian**, **Kollmorgen**, **Lamiflex** Couplings, **Marland** Clutch, **Matrix**, **Nuttall** Gear, **Portescap**, **Stieber**, **Stromag**, **Svendborg** Brakes, **TB Wood's**, **Thomson**, **Twiflex**, **Warner** Electric and **Wichita** Clutch.

VISIT US ON THE WEB AT **ALTRAMOTION.COM**



Boston Gear Centric Clutch Products

Table of Contents

INTRODUCTION.....	2
PRODUCT SELECTION REFERENCE GUIDE.....	3
QUICK SELECTION GUIDE.....	4-5
CENTRIGARD™ OVERLOAD CLUTCHES.....	7
TRIG-O-MATIC LITE OVERLOAD CLUTCHES	
LOR SERIES	9
TRIG-O-MATIC OVERLOAD CLUTCHES	
ORC SERIES MODEL S.....	15
ORC SERIES MODEL F	26
MODEL H OVERLOAD CLUTCHES	
HOR SERIES (H1600)	35
WOR SERIES (H1900)	45
POR SERIES (H2000)	53
PNEUMATIC OVERLOAD DISCONNECT CLUTCHES	
PDC SERIES	63
VARITORQUE PNEUMATIC OVERLOAD CLUTCHES	
VOR SERIES	69
CENTRIFUGAL CLUTCHES	
CCC SERIES.....	75
NLS™ CENTRIFUGAL CLUTCHES.....	83
SURE-GRIP BUSHINGS.....	90
ENGINEERING INFORMATION.....	95

Boston Gear Centric Clutch Products

Centric Clutch History

Since 1948, Centric Clutch has been manufacturing Centrifugal Clutches for a wide range of industries. Designed as a means to connect power in a drive train with soft start or delay capabilities, Centric's centrifugal clutch was the industry's first overload protection device with repeatable performance.

Capitalizing on the need for a dependable and repeatable torque limiter, Centric produced the Trig-O-Matic Overload Release Clutch, the original single position, mechanical torque limiting device. Customer requests for a simple cost effective overload device led to the development of the Trig-O-Matic Lite and Centrigard™ which further solidified the company's position as an industry leader.

Centric revolutionized torque limiting technology with the VariTorque, the first single position pneumatic overload clutch. The VariTorque was designed to meet the specific needs of paper converting machinery where large starting inertias, high production speeds, and the possibility of equipment failure is great.

The addition of three Model H clutches have helped to position the Centric family of products as one of the industry's premier offerings of mechanical overload protection devices.

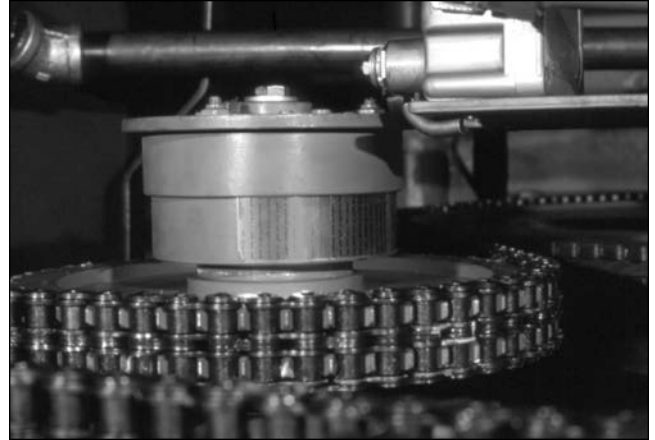
By combining Centric's industry expertise and engineering capabilities with Boston Gear's distributor network and responsiveness oriented culture, customer expectations will continue to be met and exceeded. In a world where down time is unacceptable, Boston Gear will continue the Centric tradition of producing high quality, durable clutches quickly and efficiently. Yesterday, today, and tomorrow, Boston Gear will provide you, our valued customers, with the answers to all of your torque overload needs.

Applications

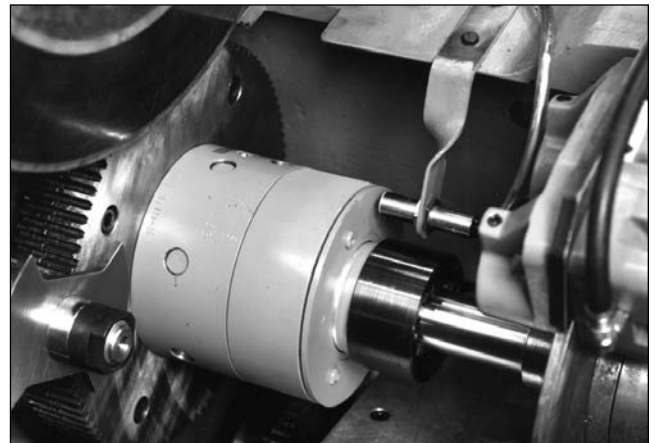
Because we realize that no two torque overload applications are the same, Boston Gear is available to put over 120 years of mechanical power transmission expertise to work for you.

Contact Us

Feel free to contact our technical support team at www.centricclutch.com or call us at 704-688-7324 or Tech Support at 800-816-5608.



**Trig-O-Matic Overload Clutch
Packaging Machine Case Palletizer**



**VariTorque Overload Clutch
Paper Converting Machine**



**H1900 Overload Clutch
Water Treatment Plant**