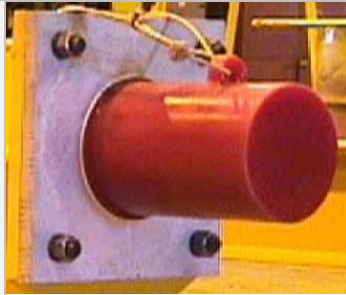


Kastalon, Inc., 4100 W 124th Place, Alsip, IL Tel: 708-389-2210 Fax: 708-389-0432 www.kastalon.com

According to the CMAA (Crane Manufacturers Association of America, Inc.)

Stops are to be provided on the bridge of the crane to limit travel of the trolley. The stops are normally located to allow the trolley to travel as close to the end of the bridge as possible and should engage bumpers or bumper pads mounted on a power-operated trolley. Multiple power-operated trolleys operating on the same bridge shall have bumpers that make contact between the trolleys.

Stops shall be provided on the crane runway girders to limit travel of the crane. The stops are normally located to allow the crane to travel as close to the end of the crane runway girders as possible, and should engage bumpers or bumper pads mounted on the same runway shall have bumpers that make contact between the



Kastalon Crane Bumpers take on the competition[®]

Kastalon Polyurethane Crane Bumpers have set new standards for performance and durability. They are tough, resilient, economical and last up to 50 times longer than hydraulic, spring, rubber and wood bumpers. Meeting all specifications of OSHA, CMAA, ANSI, and AISE, Kastalon's highly engineered bumpers have no moving parts, require no

maintenance, allow more compact installation and are much lower in cost than the alternatives.

Unaffected by oil, grease, aging, temperature extremes and dirt, they stand up to extreme environmental conditions.

Sizes range from 2 inch diameter to 24 inch diameter in both U.S. and European configurations,

fitting virtually every bumper requirement. Regardless of the size or application of the crane, Kastalon has the appropriate bumper available.

Proven Reliability

For more than 40 years, Kastalon supplies crane bumpers into every imaginable environment around the world.

From ports and shipyards facilities to steel mills and industrial facilities, Kastalon bumpers are unaffected by salt water and long-term-outdoor exposure and are highly effective in temperature extremes from less than -51°C (-60°F) to 107°C (225°F).

Approved for use on nuclear fueling cranes by the U.S. Navy and for nuclear power house cranes, Kastalon crane bumpers are virtually unaffected by gamma ray exposures in excess of 1x10⁹ Roentgens. Kastalon bumpers are unaffected by salt water

Whether you are purchasing new equipment or are replacing existing bumpers, specify Kastalon Crane Bumpers. To assist you in sizing bumpers, Kastalon offers an interactive web site for calculating the exact bumpers to meet any requirements. Access the [Kastalon Crane Bumper Calculator](http://www.kastalon.com) by visiting <http://www.kastalon.com> or contact us directly and an applications engineer will help select your optimum bumper.

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Bump Tough

Beyond the ageless Crane Bridge and Trolley Bumper applications, new and exciting projects only limited by the engineer's imagination have included the Kastalon Crane Bumpers.

Minute Maid Park, the baseball stadium in Houston, TX features a retractable roof that allows the field to be outfitted with a natural grass field. A unique suspension system made possible using Kastalon's unique polyurethane materials enables the roof system to open and close flawlessly. This is a sharp contrast to retractable roofs at other ballparks, where operational glitches and maintenance issues are common.

Kastalon Crane Bumpers specifically designed to stop the 14.7 million pound roof protect the all-glass stadium roof from over travel collision damage. Kastalon's engineers worked closely with the system designers to develop bumpers that would protect against accidental over travel without damage.

From the most challenging to the simplest crane applications, Kastalon Crane Bumpers have provided decades of reliable, safe, and consistent performance.

Engineered to Fit

As a 3rd generation family owned business, Kastalon utilizes state of the art technologies and finishing techniques to produce the highest quality polyurethane products for a wide variety of industries, specializing in research, custom chemistries, development and design of castable urethanes. Our engineers are always available to assist in design and development. For more information, contact our Engineers at 708-389-2210 or 800-527-8566.



Does your crane have a Kastalon Bumper?

For more information, please visit our website at www.kastalon.com.