

ROCKSTAR



From **CREATIVE CONCEPT**
to **FINAL LOAD-OUT...**

EMTorq products are an integral part of a successful production.

EMTorq Safety Brakes for Stage Automation are used in a variety of applications for stage and theater, to quietly and reliably move:

- Cameras
- Performer Flyers
- Scenery
- Video Backdrops

EMTorq's proven, European brake design features a steel core with a steel-on-steel connection, delivering a product that is:

- Strong** – Reliable, redundant braking and holding for a true safety brake
- Silent** – Low noise for quiet operation, when required, in a performance environment
- Innovative** – Many options are available for design of complex stage effects, including housings, high speed rectifiers, micro switch sensors, cartridge heaters and more



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Rockin' the Stage Set

EMTorq's **41.458.12** safety brakes were recently specified for use in the moving projection stage set, for the arena leg of a 2013 national rock concert tour.

The set incorporated 50 total stage-based and ceiling-hung towers, rising and falling from 6-18 feet, each column safely carrying a weight of nearly 300 pounds, helping deliver the brilliant, crowd-pleasing effects the set designers were looking for.



"We love the 24v brake. It delivered as promised."

– Design Project Manager
Confidential Design Firm

41.458 Series Spring-Set Safety Brakes with Quiet Operation

The 41.458 series can be supplied in either a single brake or as two single brakes, mounted in tandem, for redundant safety requirements. For applications where quiet performance is a must, EMTorq low noise options offer near *pin drop silence*.

41.458 Series Double Brake Design

The Double Brake design consists of a double friction disk using one magnet and two disks. The Double Brake design can also be configured for near *pin drop silence* when needed.

41.488 Series FAST-RESPONSE/ENERGY-SAVING Spring-Set Safety Brake

EMTorq also offers a fast-response/energy-saving brake, the 41.488, which uses a patent-pending design that provides a faster engagement, a faster release, using up to 50% less power.

EMCA-14 and EMCA-18 Caliper Brakes

The EMTorq EMCA-14 and EMCA-18 caliper brakes are spring-engaged; voltage releases the brake and allows the disc/load to turn. For applications such as stage winches, EMTorq brakes provide quiet operation, redundant safety and a low braking torque increase, for smooth operation and reduced component stress. Multiple brakes can be mounted on a single disc.



CUSTOMER SPECIFIC DESIGNS

While all EMTorq brake designs are interchangeable with competitive brakes, in critical mounting dimensions and ratings, we can design and deliver a custom solution tailored to your specific application.

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PRECISION • PERFORMANCE • SOLUTIONS

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Spring Set Brakes • Industrial Electromagnetic Clutches
Brakes • Clutch-Brake Combinations

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