



Buffer Characteristic

### Field of Application

- Steel mills
- Rolling mills
- Overhead Cranes
- Heavy Duty Engineering
- Materials Handling Equipment

## RINGFEDER® Elastomer technology

### Fluid Elastomer Technology

The Fluid Elastomer Technology, which is applied in buffers and shock absorbers, is based on the characteristics of the pourable elastomer, whose composite is patented. The design layout of the units is done in a way; that no additional gas spring or helical spring is required. This elastomer is a high-viscosity substance, which reacts under constant conditions like a ductile substance, in contrast to dynamic loads, where it is characterized through a high resilience. The pourable elastomer has an excellent capacity for the absorption and distribution of mechanical energies, the damping of vibrations, impacts and other mechanical loads. Thanks to its consistency and chemical composition it is nonpolluting and, therefore, no hazard

for the environment. The production of the elastomer is absolutely residue-free.

Depending on the operating requirements, there is the additional possibility of a modification of the parameters of the hydro elastic damper to achieve optimum operating requirements. That way it is also possible to modify the absorbability according to the requirements, so the units can also be designed as force limiting device, i.e. virtually as spring with low damping features.



**Weitere technische Hinweise befinden sich im jeweiligen Katalog.**

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**Check out the respective catalogue for further technical details**

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