

## **Tender Specification for mageba Preloaded Spring Dampers**

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mageba proposes the following tender specification for the specification of a mageba preloaded spring damper:

- Preloaded Spring Damper RESTON-PSD Type xxx/zzz-yyy or similar
- Maximum force  $F_{\max} = xxx$  kN / maximum stroke  $s_{\max} = +/-$  yyy mm
- Preload force  $F_0 = zzz$  kN
- PSD's are designed to limit the displacement of structures under dynamic events such as earthquake loads.
- The PSD is provided as a compression/compression device with central plate fixation and with articulated sliding ends.
- Exterior finish and corrosion protection: 2 coats epoxy paint (each 80  $\mu$ m) plus finish coat of polyurethane paint (60 $\mu$ m)
- Material Piston: 42 CrMo4 protected by Chrome; Guiding: Wear ring; Fluid material: silicone fluid.
- One technical drawing for each type of PSD included
- One testing of one PSD included.