RX Series Nitrogen Gas Springs

90.10RX Series

The patented 90.10RX Series replaces the 90.10R – RIC Series utilizing concepts from DADCO’s ISO Series. A direct replacement for the 90.10R, the 90.10RX Series matches the ISO envelope, reduces overall impact forces and emphasizes a robust design for long life.

TO – Basic Model

- Mechanical shock and noise are reduced on initial impact.
- Matches ISO envelope.

Ordering Information:

**Part Number:** Includes Series, Model and Stroke Length.

**Mount Option:** TO = Basic Model.

For a complete selection of mounts, refer to the 90.10/90.8 Catalog. When not specified, default is TO.

For information on other products from DADCO that reduce pad bounce, refer to bulletin B02107A on DADCO’s Pad Bounce Reducers.
Comparison of DADCO 90.10 and 90.10RX Gas Springs

To assess the ability of RX Series Springs to reduce overall impact forces, it is necessary to take into account the other dynamic forces acting within the press tool.

\[ F_{\text{gas force}} = \text{Nominal gas spring force required for forming} \]
\[ F_{\text{impact}} = \text{Impact force caused by rod mass} \]
\[ F_{\text{FBimpact}} = \text{Impact force caused by binder or pad mass} \]
\[ V_{\text{ram}} = \text{Ram Velocity} \]

\[ F_{\text{gas force}} = P \cdot \text{Rod Area} \]

**NOTE:** The RX Series will not reduce impact to press caused by binder mass \((F_{\text{FBimpact}})\).

Mount Options

<table>
<thead>
<tr>
<th>Mount Option</th>
<th>Model</th>
<th>Kit Number</th>
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<tbody>
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DADCO offers a wide variety of mounts. Refer to the 90.10/90.8 Catalog for DADCO’s full line of mounts and accessories.