Gas Springs / Shock Absorbers / Gas Springs

**Gas Springs -- Configurable Gas Reaction Force**

**HFGSS**

- **Material**: Rod: Al-7075-T6 (Aluminum Alloy) / Tip: Carbon Steel / O-Ring: NBR
- **Surface Treatment**: Main Body: Black Painting / Rod: Ceramic Coating
- **Precaution**: There's more on the web: misumiusa.com

**Brackets for HFGSS**

**HFBRA**
- **Material**: Stainless Steel
- **Surface Treatment**: Chromate Black
- **Applicable Gas Springs**: GSBR8A

**HFBRB**
- **Material**: Stainless Steel
- **Surface Treatment**: Trivalent Black
- **Applicable Gas Springs**: GSBR8B

**FRGSS**
- **Material**: Gun Metal / Surface Treatment**: Zinc Plating
- **Applicable Gas Springs**: GSBR8C

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**Gas Springs -- Stainless Steel**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Length (mm)</th>
<th>Min. Length + 5 mm</th>
<th>Material</th>
<th>Surface Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFBRB</td>
<td>A</td>
<td>60</td>
<td>100</td>
<td>1018 Carbon Steel</td>
<td>Black Painting</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>100</td>
<td>125</td>
<td>Chromate Black</td>
<td></td>
</tr>
</tbody>
</table>

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**Gas Springs**

- **Material**: Rod: SS400 (SUS304 Equivalent) / Tip: Carbon Steel / O-Ring: NBR
- **Surface Treatment**: Main Body: Black Painting / Rod: Ceramic Coating
- **Precaution**: There's more on the web: misumiusa.com

**Mounting Brackets for Gas Springs**

- **Material**: Stainless Steel
- **Surface Treatment**: Chromate Black
- **Applicable Gas Springs**: GSBR8A

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**Part Number**

- **Type**: Gas Springs / Shock Absorbers / Gas Springs
- **Surface Treatment**: Stainless Steel

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**Part Number**

- **Material**: Stainless Steel
- **Surface Treatment**: Chromium Black
- **Applicable Gas Springs**: GSBR8A

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**Part Number**

- **Type**: Gas Springs / Shock Absorbers / Gas Springs
- **Surface Treatment**: Stainless Steel

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**Part Number**

- **Material**: Stainless Steel
- **Surface Treatment**: Chromium Black
- **Applicable Gas Springs**: GSBR8A