ALLOTTABLE FORCES AND MOMENTS ON INLET AND EXHAUST CONNECTIONS

FORCE AND MOMENT LIMITS FOR PLAINS WITH 2" INLET AND 4" EXHAUST CONNECTIONS

<table>
<thead>
<tr>
<th>FORCE LIMITS</th>
<th>MOMENT LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$F_x$ &lt; 500</td>
<td>$M_{xx}$ &lt; 500</td>
</tr>
<tr>
<td>$F_y$ &lt; 500</td>
<td>$M_{yy}$ &lt; 500</td>
</tr>
<tr>
<td>$F_z$ &lt; 500</td>
<td>$M_{zz}$ &lt; 500</td>
</tr>
</tbody>
</table>

**Horizontal Force and Moment Limitations**

For horizontal force and moment limitations, the values are as follows:

- $F_x < 500$ N
- $F_y < 500$ N
- $F_z < 500$ N
- $M_{xx} < 500$ Nm
- $M_{yy} < 500$ Nm
- $M_{zz} < 500$ Nm

**Units for Forces and Moments**

- Force: Newtons (N)
- Moment: Newton-meters (Nm)

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**Diagram**

The diagram illustrates the force and moment components at the inlet and exhaust connections. The forces and moments acting on the system are shown with arrows indicating direction and magnitude.

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**Notes**

- Ensure that the forces and moments remain within the specified limits to avoid structural failure.
- Regular maintenance and inspection are recommended to monitor the integrity of the connections.

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**Additional Information**

- The limitations are based on the material properties and design specifications of the components.
- Always consult the manufacturer's guidelines for specific application requirements.