Applications

Use Parker's IB Series Pressure Eliminator for any general purpose hydraulic application to connect under the force of built up residual pressure when mating with any 60 Series or other ISO, Series B coupler or nipple.

IB Series – Pressure Eliminator Quick Couplings Are Ideal for:
- Mobile Applications: Truck and Off Highway Dump Trucks Refuse Handling Forestry Equipment
- General Industrial Applications: In-plant Hydraulic Systems Production Machinery
- Other Applications: Mining Marine Asphalt Paving Paper and Pulp Industry Steel Production Construction

Connect Under Residual Pressure:

When trapped static pressure makes it virtually impossible to make a connection, Parker’s IB Series will bring relief.

Residual pressure caused by thermal expansion, engagement of a servo valve, or insufficient return-to-tank controls, can build up in disconnected hydraulic lines making it difficult to reconnect the couplings. With IB Series quick couplings installed on the pressurized lines, the excess pressure is automatically relieved at connection.

Parker's patented Pressure Eliminator is compatible and a direct interchange with 60 Series quick couplings as well as others conforming to ISO 7241, Series B.

Product Features:
- Mates with 60 Series couplers and nipples
- 1/4” to 1” body sizes
- Working pressures up to 4060 PSI (coupled)
- Double O-ring interface seals in the coupler
- Standard Nitrile seals
- Connect under pressure up to 1450 PSI on one side with the IB Series coupler or nipple installed on the pressurized line
- IB Series couplers and nipples enable standard 60 Series product to connect to lines under residual pressure

Contact Information:

Parker Hannifin Corporation
Quick Coupling Division
8145 Lewis Road
Minneapolis, MN 55427
phone 763-544-7781
fax 763-544-3418
QCD_sales@parker.com
www.parker.com/quickcouplings

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### Between a Rock and a Hard Place?  
The Pressure Eliminator is an Easy Solution.

Parker’s IB Series makes it possible to overcome the high connection force caused by residual pressure. With an IB Series coupler or nipple installed on the pressurized line, its patented pressure eliminating technology allows you to easily connect with any mating 60 Series.

### Dimensions

<table>
<thead>
<tr>
<th>Part Number</th>
<th>IB2511 NPT</th>
<th>IB3811 NPT</th>
<th>IB5011 NPT</th>
<th>IB7511 NPT</th>
<th>IB10011 NPT</th>
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<tbody>
<tr>
<td>Body Size</td>
<td>1/4˝</td>
<td>3/8˝</td>
<td>1/2˝</td>
<td>3/4˝</td>
<td>1˝</td>
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<tr>
<td>Material</td>
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<td>Brass</td>
<td>Brass</td>
<td>Steel</td>
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<td>Nickel chromate</td>
<td>Nickel chromate</td>
<td>Nickel chromate</td>
<td>Zinc with yellow trivalent coat</td>
<td>Zinc with yellow trivalent coat</td>
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<td>Dimensions A</td>
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<td>3.19</td>
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<tr>
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<td>1.18 Hex</td>
<td>1.30 Hex</td>
<td>1.81 Hex</td>
<td>1.97 Hex</td>
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<tr>
<td>Dimensions C</td>
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<td>1.34 Dia</td>
<td>1.57 Dia</td>
<td>2.05 Dia</td>
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<tr>
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<td>3/8-18 NPTF</td>
<td>1/2-14 NPTF</td>
<td>3/4-14 NPTF</td>
<td>1-11-1/2 NPTF</td>
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</table>

### Working Pressure:

- **Coupled**
  - 4060 PSI
  - 4000 PSI
  - 3625 PSI
  - 2500 PSI
  - 2000 PSI
- **Uncoupled**
  - 5800 PSI
  - 4640 PSI
  - 4350 PSI
  - 4350 PSI
  - 4350 PSI

### Between a Rock and a Hard Place?

Parker’s IB Series has a miniature relief valve integrated into the poppet valve. During connection, the mating valve opens and actuates the relief valve to reduce the excess pressure. When the relief valve opens, fluid is released into the unpressurized line.

### As the pressure is relieved, minimal effort is required to complete the connection.

Dimensions are in inches.