

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**Ball Lock Series – 1-Way**  
**1000/400/500 Series**

SLEEVE TYPE INDUSTRIAL INTERCHANGE



**FEATURES**

- Ball lock
- Manual operation
- Rugged, reliable
- 1/4" and 1/2" sockets accept MIL-C-4109 plugs
- Optional sleeve lock prevents accidental disconnect
- Optional seal and valve materials available
- Optional stainless steel socket (Series 1000 only)
- Series 400 sockets accept Tru-Plate Interchange plugs and Industrial Interchange plugs

**STANDARD MATERIALS**

- Socket
  - Brass Body
  - Nickel Plated Steel Sleeve
  - Zinc Plated Steel Valve
  - Buna-N (Nitrile) Seal
  - Stainless Steel Springs
  - Stainless Steel Locking Balls
- Plugs
  - Zinc Plated Case-Hardened Steel (All Sizes)
  - Brass (All Sizes)
  - Stainless Steel (Series 1000)

**ACCESSORIES**

- Dust caps and dust plugs

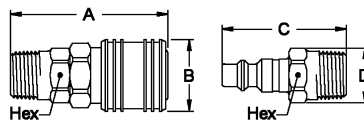
Industrial Interchange Ball Lock Quick-Connect Couplings designed for compressed air, gases, and liquids. Body sizes are 1/4", 3/8", and 1/2".

**1/4" Body (1000 Series) – 1-Way**  
**2,000 PSI, 138 Bar**

**SOCKET SPECIFICATIONS**

| RB&H #  | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|---------|------------------|-----------|-----------|-------------|
| B22A/PH | 1/8 - 27         | 2.07      | 1.00      | 0.69        |
| B22/PH  | 1/4 - 18         | 2.22      | 1.00      | 0.69        |
| B22E/PH | 3/8 - 18         | 2.22      | 1.00      | 0.69        |

**Male End Connections**



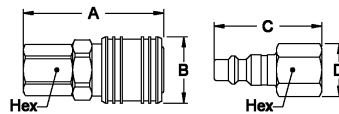
**PLUG SPECIFICATIONS**

| RB&H #       | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H2C/PH       | 1/4 - 18         | 1.75      | 0.65      | 0.56        |
| HDC/PH       | 1/8 - 27         | 1.059     | 0.58      | 0.50        |
| H2C-E/PH     | 3/8 - 18         | 1.75      | 0.79      | 0.69        |
| <b>BRASS</b> |                  |           |           |             |
| BH2C/PH      | 1/4 - 18         | 1.75      | 0.64      | 0.56        |

**SOCKET SPECIFICATIONS**

| RB&H #  | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|---------|------------------|-----------|-----------|-------------|
| B23A/PH | 1/8 - 27         | 1.91      | 1.00      | 0.69        |
| B23/PH  | 1/4 - 18         | 1.91      | 1.00      | 0.69        |
| B23E/PH | 3/8 - 18         | 2.19      | 1.00      | 0.75        |

**Female End Connections**



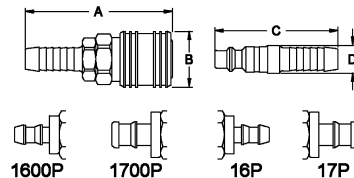
**PLUG SPECIFICATIONS**

| RB&H #       | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H3C/PH       | 1/4 - 18         | 1.63      | 0.79      | 0.69        |
| H1C/PH       | 1/8 - 27         | 1.47      | 0.65      | 0.56        |
| H3C-E/PH     | 3/8 - 18         | 1.69      | 0.94      | 0.81        |
| <b>BRASS</b> |                  |           |           |             |
| BH3C/PH      | 1/4 - 18         | 1.63      | 0.78      | 0.69        |

**SOCKET SPECIFICATIONS**

| RB&H #     | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|------------|-----------------|-----------|-----------|
| B20-3B/PH  | 1/4             | 2.66      | 1.00      |
| B20-3BP/PH | 1/4             | 2.44      | 1.00      |
| B20-5B/PH  | 3/8             | 2.65      | 1.00      |
| B20-5BP/PH | 3/8             | 2.54      | 1.00      |
| B20-4B/PH  | 5/16            | 2.66      | 1.00      |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| RB&H #   | HOSE I.D. (IN.) | "C" (IN.) | "D" (IN.) |
|----------|-----------------|-----------|-----------|
| H8C/PH   | 1/4             | 2.22      | 0.50      |
| H9C/PH   | 3/8             | 2.31      | 0.50      |
| H8C-D/PH | 5/16            | 2.22      | 0.50      |

**PNEUMATIC QUICK DISCONNECTS**

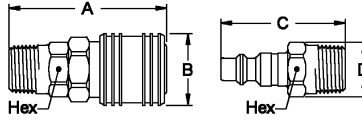
**COUPLERS & PLUGS - AIR**

**Ball Lock Series – 1-Way**  
**3/8" Body (400 Series)**  
 1,000 PSI, 69 BAR

**SOCKET SPECIFICATIONS**

| RB&H # | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
|--------|---------------------|--------------|--------------|----------------|
| 24C/PH | 1/4 - 18            | 2.35         | 1.13         | 0.88           |
| 24F/PH | 1/2 - 14            | 2.54         | 1.13         | 0.88           |

**Male End Connections**



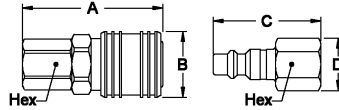
**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
|-----------------|---------------------|--------------|--------------|----------------|
| H00E/PH         | 1/8 - 27            | 1.72         | 0.72         | 0.63           |
| HDE/PH          | 1/4 - 18            | 1.88         | 0.72         | 0.63           |
| H2E/PH          | 3/8 - 18            | 1.88         | 0.79         | 0.69           |
| H2E-F/PH        | 1/2 - 14            | 2.09         | 1.01         | 0.88           |
| <b>BRASS</b>    |                     |              |              |                |
| BH2E/PH         | 3/8 - 18            | 1.88         | 0.77         | 0.69           |
| <b>STEEL</b>    |                     |              |              |                |
| OE/PH           | 1/4 - 18            | 1.85         | 0.72         | 0.63           |
| 2E/PH           | 3/8 - 18            | 1.85         | 0.79         | 0.69           |

**SOCKET SPECIFICATIONS**

| RB&H #  | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
|---------|---------------------|--------------|--------------|----------------|
| 25C/PH  | 1/4 - 18            | 2.10         | 1.13         | 0.88           |
| 8420/PH | 3/8 - 18            | 2.35         | 1.13         | 0.88           |
| 25F/PH  | 1/2 - 14            | 2.62         | 1.13         | 1.00           |

**Female End Connections**



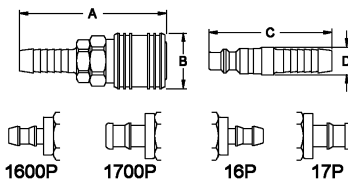
**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
|-----------------|---------------------|--------------|--------------|----------------|
| H1E/PH          | 1/4 - 18            | 1.63         | 0.79         | 0.69           |
| H3E/PH          | 3/8 - 18            | 1.81         | 0.94         | 0.81           |
| H3E-F/PH        | 1/2 - 14            | 2.06         | 1.15         | 1.00           |
| <b>BRASS</b>    |                     |              |              |                |
| BH3E/PH         | 3/8 - 18            | 1.18         | 0.91         | 0.81           |
| <b>STEEL</b>    |                     |              |              |                |
| 1E/PH           | 1/4 - 18            | 1.60         | 0.79         | 0.69           |
| 3E/PH           | 3/8 - 18            | 1.78         | 0.94         | 0.81           |

**SOCKET SPECIFICATIONS**

| RB&H #   | HOSE<br>I.D.<br>(IN.) | "A"<br>(IN.) | "B"<br>(IN.) |
|----------|-----------------------|--------------|--------------|
| 24-5B/PH | 3/8                   | 2.82         | 1.13         |
| 24-6B/PH | 1/2                   | 2.82         | 1.13         |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | HOSE<br>I.D.<br>(IN.) | "C"<br>(IN.) | "D"<br>(IN.) |
|-----------------|-----------------------|--------------|--------------|
| H5E/PH          | 3/8                   | 2.34         | 0.63         |
| H6E/PH          | 1/2                   | 2.34         | 0.81         |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**Ball Lock Series – 1-Way**

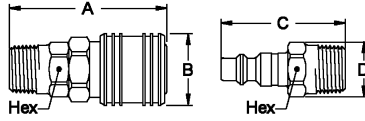
**1/2" Body (500 Series)**

500 PSI, 35 BAR

**SOCKET SPECIFICATIONS**

| RB&H # | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
|--------|---------------------|--------------|--------------|----------------|
| 501/PH | 1/4 - 18            | 2.77         | 1.19         | 1.00           |
| 510/PH | 3/8 - 18            | 2.78         | 1.19         | 1.00           |
| 530/PH | 1/2 - 14            | 2.97         | 1.19         | 1.00           |

**Male End Connections**



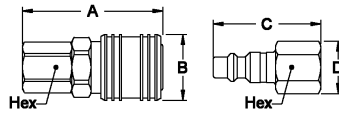
**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
|-----------------|---------------------|--------------|--------------|----------------|
| 50/PH           | 1/4 - 18            | 2.25         | 0.79         | 0.69           |
| H0F/PH          | 3/8 - 18            | 2.25         | 0.87         | 0.75           |
| H2F/PH          | 1/2 - 14            | 2.44         | 1.01         | 0.88           |
| <b>BRASS</b>    |                     |              |              |                |
| BH2F/PH         | 1/2 - 14            | 2.44         | 0.77         | 0.88           |

**SOCKET SPECIFICATIONS**

| RB&H # | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
|--------|---------------------|--------------|--------------|----------------|
| 500/PH | 3/8 - 18            | 2.78         | 1.19         | 1.00           |
| B17/PH | 1/2 - 14            | 3.06         | 1.19         | 1.00           |

**Female End Connections**



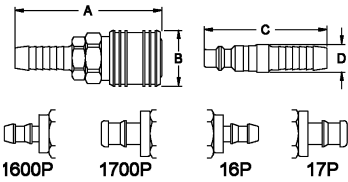
**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
|-----------------|---------------------|--------------|--------------|----------------|
| H1F/PH          | 3/8 - 18            | 2.06         | 0.94         | 0.81           |
| H3F/PH          | 1/2 - 14            | 2.34         | 1.15         | 1.00           |

**SOCKET SPECIFICATIONS**

| RB&H # | HOSE<br>I.D.<br>(IN.) | "A"<br>(IN.) | "B"<br>(IN.) |
|--------|-----------------------|--------------|--------------|
| 570/PH | 3/8                   | 3.32         | 1.19         |
| 580/PH | 1/2                   | 3.24         | 1.19         |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| STEEL<br>RB&H # | HOSE<br>I.D.<br>(IN.) | "A"<br>(IN.) | "B"<br>(IN.) |
|-----------------|-----------------------|--------------|--------------|
| H4F/PH          | 3/8                   | 2.66         | 0.69         |
| H5F/PH          | 1/2                   | 2.66         | 0.75         |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**FEATURES**

- The original automatic one-way shutoff coupling designed by Hansen-The Industry Standard
- Rugged, reliable
- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines, plus automatic shut-off of socket end of line
- 1/4" and 1/2" sockets accept MIL-C-4109 plugs
- Optional sleeve lock prevents accidental disconnect
- Optional seal and valve materials available

**STANDARD MATERIALS**

- Socket
  - Brass Body
  - Zinc Plated Steel Valve
  - Buna-N (Nitrile) Seal
  - Stainless Steel Springs
  - Stainless Steel Locking Pins
- Plugs
  - Zinc Plated Case-Hardened Steel (All Sizes)
  - Brass (All Sizes)
  - Stainless Steel (Series 3000)

**ACCESSORIES**

- Dust caps and dust plugs

**Pin Lock Series – 1-Way  
3000/4000/5000/6000 Series**

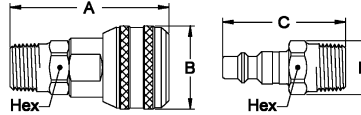


Industrial Interchange Pin Lock Couplings designed for compressed air, gases, and liquids. Body sizes are 1/4", 3/8", 1/2", and 3/4".

**1/4" Body (3000 Series) – 1-Way  
2,000 PSI, 138 BAR**

| <b>SOCKET SPECIFICATIONS</b> |                  |           |           |             |
|------------------------------|------------------|-----------|-----------|-------------|
| BRASS RB&H #                 | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
| B32A/PH                      | 1/8 - 27         | 2.11      | 1.19      | 0.69        |
| B32/PH                       | 1/4 - 18         | 2.26      | 1.19      | 0.69        |
| B32E/PH                      | 3/8 - 18         | 2.26      | 1.19      | 0.69        |

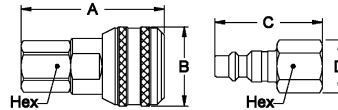
**Male End Connections**



| <b>PLUG SPECIFICATIONS</b> |                  |           |           |             |
|----------------------------|------------------|-----------|-----------|-------------|
| STEEL RB&H #               | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
| H2C/PH                     | 1/4 - 18         | 1.75      | 0.65      | 0.56        |
| H0C/PH                     | 1/8 - 27         | 1.59      | 0.58      | 0.50        |
| H2C-E/PH                   | 3/8 - 18         | 1.75      | 0.79      | 0.69        |
| <b>BRASS</b>               |                  |           |           |             |
| BH2C/PH                    | 1/4 - 18         | 1.75      | 0.64      | 0.56        |

| <b>SOCKET SPECIFICATIONS</b> |                  |           |           |             |
|------------------------------|------------------|-----------|-----------|-------------|
| BRASS RB&H #                 | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
| B33/PH                       | 1/4 - 18         | 2.17      | 1.19      | 0.69        |

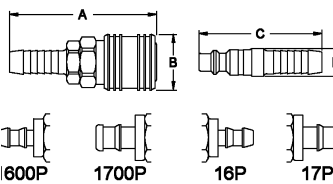
**Female End Connections**



| <b>PLUG SPECIFICATIONS</b> |                  |           |           |             |
|----------------------------|------------------|-----------|-----------|-------------|
| STEEL RB&H #               | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
| H3C/PH                     | 1/4 - 18         | 1.63      | 0.79      | 0.69        |
| H1C/PH                     | 1/8 - 27         | 1.47      | 0.65      | 0.56        |
| H3C-E/PH                   | 3/8 - 18         | 1.69      | 0.94      | 0.81        |
| <b>BRASS</b>               |                  |           |           |             |
| BH3F/PH                    | 1/2 - 14         | 2.34      | 1.15      | 1.00        |

| <b>SOCKET SPECIFICATIONS</b> |                 |           |           |
|------------------------------|-----------------|-----------|-----------|
| BRASS RB&H #                 | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
| B30-5B/PH                    | 1/4             | 2.70      | 1.19      |

**Hose Stem End Connections**



| <b>PLUG SPECIFICATIONS</b> |                 |           |           |
|----------------------------|-----------------|-----------|-----------|
| STEEL RB&H #               | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
| H8C/PH                     | 1/4             | 2.22      | 0.50      |
| H9C/PH                     | 3/8             | 2.31      | 0.50      |
| HBC-D/PH                   | 5/16            | 2.22      | 0.50      |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**Pin Lock Series – 1-Way**

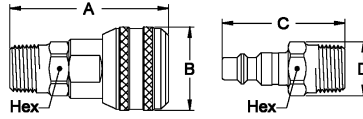
**3/8" Body (4000 Series)**

1,000 PSI, 69 BAR

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 4000/PH      | 1/4 - 18         | 2.35      | 1.38      | 0.88        |
| B34/PH       | 3/8 - 18         | 2.35      | 1.38      | 0.88        |
| 4500/PH      | 1/2 - 14         | 2.54      | 1.38      | 0.88        |

**Male End Connections**



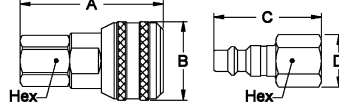
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H00E/PH      | 1/8 - 27         | 1.72      | 0.72      | 0.63        |
| H0E/PH       | 1/4 - 18         | 1.88      | 0.72      | 0.63        |
| H2E/PH       | 3/8 - 18         | 1.88      | 0.79      | 0.69        |
| H2E-F/PH     | 1/2 - 14         | 2.09      | 1.01      | 0.88        |
| <b>BRASS</b> |                  |           |           |             |
| BH2E/PH      | 3/8 - 18         | 1.88      | 0.77      | 0.69        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 4000/PH      | 1/4 - 18         | 2.10      | 1.38      | 0.88        |
| 4200/PH      | 3/8 - 18         | 2.35      | 1.38      | 0.88        |
| 4400/PH      | 1/2 - 14         | 2.62      | 1.38      | 1.00        |

**Female End Connections**



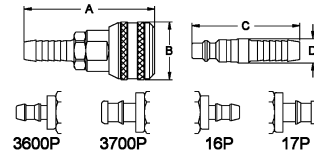
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H1E/PH       | 1/4 - 18         | 1.63      | 0.79      | 0.69        |
| H3E/PH       | 3/8 - 18         | 1.81      | 0.94      | 0.81        |
| H3E-F/PH     | 1/2 - 14         | 2.06      | 1.15      | 1.00        |
| <b>BRASS</b> |                  |           |           |             |
| BH3E/PH      | 3/8 - 18         | 1.81      | 0.91      | 0.81        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| B34-5B/PH    | 3/8             | 2.82      | 1.38      |
| 40800/PH     | 1/2             | 2.92      | 1.38      |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| STEEL RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| H5E/PH       | 3/8             | 2.34      | 0.63      |
| H6E/PH       | 1/2             | 2.34      | 0.81      |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

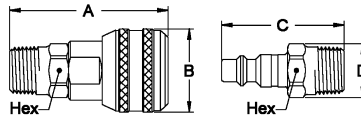
**Pin Lock Series— 1-Way  
1/2" Body (5000 Series)**

500 PSI, 35 BAR

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 5100/PH      | 3/8 - 18         | 2.79      | 1.50      | 1.00        |
| B36/PH       | 1/2 - 14         | 2.98      | 1.50      | 1.00        |
| 5500/PH      | 3/4 - 14         | 2.90      | 1.50      | 1.06        |

**Male End Connections**



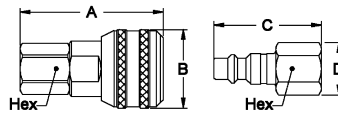
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 50/PH        | 1/4 - 18         | 2.25      | 0.79      | 0.69        |
| H0F/PH       | 3/8 - 18         | 2.25      | 0.87      | 0.75        |
| H2F/PH       | 1/2 - 14         | 2.44      | 1.01      | 0.88        |
| H2F-G/PH     | 3/4 - 14         | 2.50      | 1.23      | 1.06        |
| BRASS        |                  |           |           |             |
| BH2F/PH      | 1/2 - 14         | 2.44      | 0.77      | 0.69        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| B37E/PH      | 3/8 - 18         | 2.79      | 1.50      | 1.00        |
| 5200/PH      | 1/2 - 14         | 3.07      | 1.50      | 1.00        |
| 5400/PH      | 3/4 - 14         | 3.10      | 1.50      | 1.19        |

**Female End Connections**



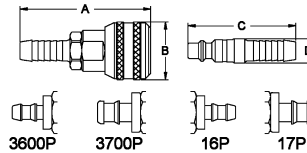
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H1F/PH       | 3/8 - 18         | 2.06      | 0.94      | 0.81        |
| H3F/PH       | 1/2 - 14         | 2.34      | 1.15      | 1.00        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| 50400/PH     | 1/4             | 3.26      | 1.50      |
| 5700/PH      | 3/8             | 3.33      | 1.50      |
| 5800/PH      | 1/2             | 3.25      | 1.50      |
| 5900/PH      | 3/4             | 4.10      | 1.50      |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| STEEL RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| H4F/PH       | 3/8             | 2.66      | 0.69      |
| H5F/PH       | 1/2             | 2.66      | 0.75      |
| H5F-G/PH     | 3/4             | 3.50      | 1.00      |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**Pin Lock Series – 1-Way**

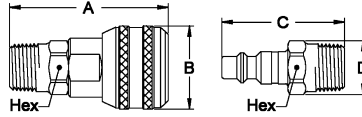
**3/4" Body (6000 Series)**

220 PSI, 15 BAR

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 6300/PH      | 1/2 - 14         | 2.94      | 1.88      | 1.31        |
| 6500/PH      | 3/4 - 14         | 2.94      | 1.88      | 1.31        |
| 6700/PH      | 1 - 11 1/2       | 3.13      | 1.88      | 1.31        |

**Male End Connections**



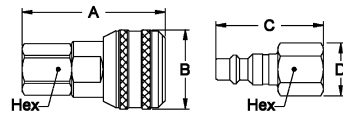
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H2G-F/PH     | 1/2 - 14         | 2.31      | 1.15      | 1.00        |
| 66A/PH       | 3/4 - 14         | 2.38      | 1.23      | 1.06        |
| 68A/PH       | 1 - 11 1/2       | 2.56      | 1.52      | 1.31        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| 6200/PH      | 1/2 - 14         | 2.85      | 1.88      | 1.31        |
| 6400/PH      | 3/4 - 14         | 3.00      | 1.88      | 1.31        |
| 6600/PH      | 1 - 11 1/2       | 3.19      | 1.88      | 1.56        |

**Female End Connections**



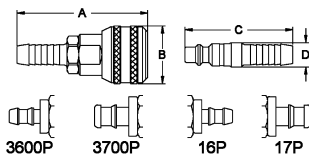
**PLUG SPECIFICATIONS**

| STEEL RB&H # | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|--------------|------------------|-----------|-----------|-------------|
| H3G-F/PH     | 1/2 - 14         | 2.22      | 1.15      | 1.00        |
| H2G/PH       | 3/4 - 14         | 2.22      | 1.37      | 1.19        |
| H2G-J/PH     | 1 - 11 1/2       | 2.41      | 1.80      | 1.56        |

**SOCKET SPECIFICATIONS**

| BRASS RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| 6800/PH      | 1/2             | 3.21      | 1.88      |
| 6900/PH      | 3/4             | 4.06      | 1.88      |
| 7000/PH      | 1               | 4.07      | 1.88      |

**Hose Stem End Connections**



**PLUG SPECIFICATIONS**

| STEEL RB&H # | HOSE I.D. (IN.) | "A" (IN.) | "B" (IN.) |
|--------------|-----------------|-----------|-----------|
| H5G-F/PH     | 1/2             | 2.53      | 0.94      |
| H5G/PH       | 3/4             | 3.44      | 1.06      |
| H5G-J/PH     | 1               | 3.44      | 1.31      |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**FEATURES**

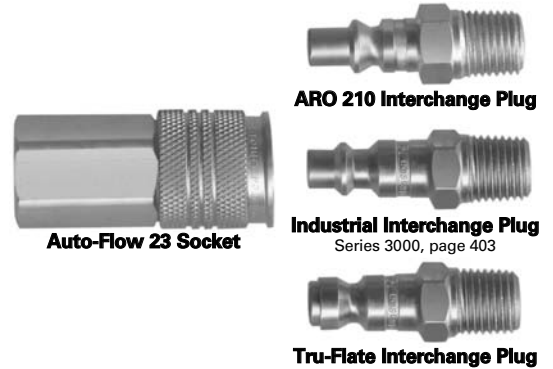
- Auto-Flo 23 is the first automatic universal coupling designed to operate with Industrial, ARO 210 and Tru-Flate Interchange plugs.
- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines, plus automatic shut-off of socket end of line
- Sleeve guard protects against accidental disconnection

**STANDARD MATERIALS**

- Socket
  - Brass Body
  - Brass Valve
  - Zinc Plated Steel Sleeve
  - Buna-N (Nitrile) Seal
  - Stainless Steel Springs
  - Stainless Steel Locking Pins
- Plugs
  - Industrial Interchange (Series 3000)
    - Zinc Plated Case-Hardened Steel
    - Brass
    - Stainless Steel
  - ARO 210, Tru-Flate and CEJN/Rectus Interchanges
    - Zinc Plated Case-Hardened Steel

**Auto-Flow Series – 1-Way  
23 Series**

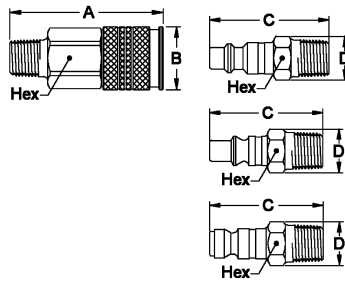
150 PSI, 10 BAR



High flow, automatic Quick-Connect Couplings designed for use with compressed air.

| <b>SOCKET SPECIFICATIONS</b> |                     |              |              |                |
|------------------------------|---------------------|--------------|--------------|----------------|
| RB&H #                       | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
| B12/PH                       | 1/4 - 18            | 2.23         | 0.94         | 0.81           |
| B12E/PH                      | 3/8 - 18            | 2.23         | 0.94         | 0.81           |

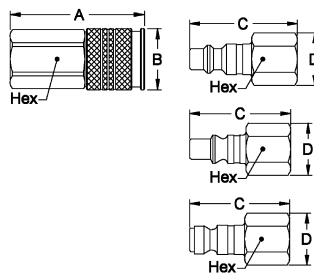
**Male End Connections**



| <b>PLUG SPECIFICATIONS</b>   |                     |              |              |                |
|------------------------------|---------------------|--------------|--------------|----------------|
| STEEL<br>RB&H #              | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
| <b>ARO 210 INTERCHANGE</b>   |                     |              |              |                |
| A2C/PH                       | 1/4 - 18            | 1.68         | 0.65         | 0.56           |
| A2C-E/PH                     | 3/8 - 18            | 1.68         | 0.79         | 0.69           |
| <b>TRU-FLATE INTERCHANGE</b> |                     |              |              |                |
| 2C/PH                        | 1/4 - 18            | 1.65         | 0.65         | 0.56           |
| 2C-E/PH                      | 3/8 - 18            | 1.65         | 0.79         | 0.69           |

| <b>SOCKET SPECIFICATIONS</b> |                     |              |              |                |
|------------------------------|---------------------|--------------|--------------|----------------|
| RB&H #                       | THREAD SIZE<br>NPTF | "A"<br>(IN.) | "B"<br>(IN.) | "HEX"<br>(IN.) |
| B13/PH                       | 1/4 - 18            | 2.02         | 0.94         | 0.81           |
| B13E/PH                      | 3/8 - 18            | 2.02         | 0.94         | 0.81           |

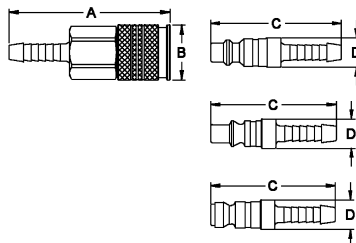
**Female End Connections**



| <b>PLUG SPECIFICATIONS</b>   |                     |              |              |                |
|------------------------------|---------------------|--------------|--------------|----------------|
| STEEL<br>RB&H #              | THREAD SIZE<br>NPTF | "C"<br>(IN.) | "D"<br>(IN.) | "HEX"<br>(IN.) |
| <b>ARO 210 INTERCHANGE</b>   |                     |              |              |                |
| A3C/PH                       | 1/4 - 18            | 1.55         | 0.79         | 0.69           |
| A3C-E/PH                     | 3/8 - 18            | 1.61         | 0.94         | 0.81           |
| <b>TRU-FLATE INTERCHANGE</b> |                     |              |              |                |
| 3C/PH                        | 1/4 - 18            | 1.53         | 0.79         | 0.69           |
| 3C-E/PH                      | 3/8 - 18            | 1.59         | 0.94         | 0.81           |

| <b>SOCKET SPECIFICATIONS</b> |                       |              |              |
|------------------------------|-----------------------|--------------|--------------|
| BRASS<br>RB&H #              | HOSE<br>I.D.<br>(IN.) | "A"<br>(IN.) | "B"<br>(IN.) |
| B10-3B/PH                    | 1/4                   | 2.76         | 0.94         |
| B10-5B/PH                    | 3/8                   | 2.73         | 0.94         |

**Hose Stem End Connections**



| <b>PLUG SPECIFICATIONS</b>   |                       |              |              |
|------------------------------|-----------------------|--------------|--------------|
| STEEL<br>RB&H #              | HOSE<br>I.D.<br>(IN.) | "C"<br>(IN.) | "D"<br>(IN.) |
| <b>ARO 210 INTERCHANGE</b>   |                       |              |              |
| A8C/PH                       | 1/4                   | 2.14         | 0.50         |
| <b>TRU-FLATE INTERCHANGE</b> |                       |              |              |
| 8C/PH                        | 1/4                   | 2.12         | 0.50         |
| 9C/PH                        | 3/8                   | 2.12         | 0.50         |



**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**ST Series  
Straight Through**



Series ST straight-through couplings are designed for use where minimum pressure drop is required and valving is not needed. They are well suited for use on pressure wash, steam cleaning and carpet cleaning equipment, and many fluid transfer systems. Body sizes range from 1/8" to 1 1/2".

**FEATURES**

- Ball lock
- Manual connect, disconnect
- Smooth bore permits free flow of liquid or gas
- Zinc plated steel construction
- Male and female NPTF, BSPP and hose stem connections

**STANDARD MATERIALS**

- Brass or 303 stainless steel socket construction
- Stainless steel springs, balls and retaining rings
- Brass, zinc plated steel and 303 stainless steel plugs
- High impulse heat treated 416 stainless steel plugs available in 1/4" and 3/8" body sizes
- Buna-N (Nitrile) seals

**OPTIONS**

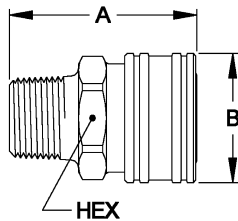
- Sleeve lock
- Seals: Teflon (1-ST through 8-ST), Neoprene, Viton, Buna-N and EPDM

**ACCESSORIES**

- Dust caps and dust plugs for a limited number of sizes

**Male End  
Connections**

SOCKET

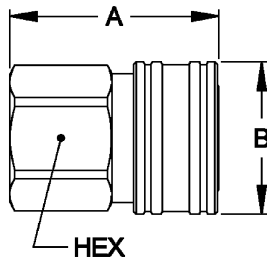


**SPECIFICATIONS**

| BODY SIZE (IN.) | PRODUCT I.D. |                  | THREAD SIZE NPTF | THREAD SIZE BSPP | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|-----------------|--------------|------------------|------------------|------------------|-----------|-----------|-------------|
|                 | BRASS RB&H # | STAINLESS RB&H # |                  |                  |           |           |             |
| 1/8             | BST-1M/PH    | SST-1M/PH        | 1/8 - 27         | -                | 1.06      | 0.69      | 0.50        |
| 1/4             | BST-2M/PH    | SST-2M/PH        | 1/4 - 18         | -                | 1.72      | 0.94      | 0.81        |
| 3/8             | BST-3M/PH    | SST-3M/PH        | 3/8 - 18         | -                | 1.75      | 1.13      | 1.00        |
| 3/8             | BST-4M/PH    | SST-4M/PH        | 1/2 - 14         | -                | 2.03      | 1.31      | 1.13        |
| 1/2             | BST-6M/PH    | SST-6M/PH        | 3/4 - 14         | -                | 2.22      | 1.69      | 1.44        |
| 1/2             | BST-8M/PH    | -                | 1 - 11 1/2       | -                | 2.53      | 2.00      | 1.75        |

**Female End  
Connections**

SOCKET



**SPECIFICATIONS**

| BODY SIZE (IN.) | PRODUCT I.D. |                  | THREAD SIZE NPTF | THREAD SIZE BSPP | "A" (IN.) | "B" (IN.) | "HEX" (IN.) |
|-----------------|--------------|------------------|------------------|------------------|-----------|-----------|-------------|
|                 | BRASS RB&H # | STAINLESS RB&H # |                  |                  |           |           |             |
| 1/8             | BST-1/PH     | SST-1/PH         | 1/8 - 27         | -                | 1.06      | 0.69      | 0.50        |
| 1/4             | BST-2/PH     | SST-2/PH         | 1/4 - 18         | -                | 1.50      | 0.94      | 0.81        |
| 3/8             | BST-3/PH     | SST-3/PH         | 3/8 - 18         | -                | 1.59      | 1.13      | 1.00        |
| 1/2             | BST-4/PH     | SST-4/PH         | 1/2 - 14         | -                | 1.91      | 1.31      | 1.13        |
| 3/4             | BST-6/PH     | SST-6/PH         | 3/4 - 14         | -                | 2.06      | 1.69      | 1.44        |
| 1               | BST-8/PH     | SST-8/PH         | 1 - 11 1/2       | -                | 2.31      | 2.00      | 1.75        |
| 1 1/4           | BST-10/PH    | SST-10/PH        | 1 1/4 - 11 1/2   | -                | 2.44      | 2.50      | 2.00        |
| 1 1/2           | BST-12/PH    | SST-12/PH        | 1 1/2 - 11 1/2   | -                | 2.88      | 3.13      | 2.63        |

**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - AIR**

**RATED PRESSURE \***

| SERIES | BODY SIZE (IN.) | BRASS SOCKET/BRASS PLUG |     | BRASS SOCKET/STEEL PLUG |     | STAINLESS STEEL SOCKET & PLUG |     |
|--------|-----------------|-------------------------|-----|-------------------------|-----|-------------------------------|-----|
|        |                 | PSI                     | BAR | PSI                     | BAR | PSI                           | BAR |
| 1-ST   | 1/8             | 2800                    | 193 | 3400                    | 234 | 4200                          | 290 |
| 2-ST   | 1/4             | 5200                    | 359 | 5500                    | 379 | 7500                          | 517 |
| 3-ST   | 3/8             | 2800                    | 193 | 4200                    | 290 | 6300                          | 434 |
| 4-ST   | 1/2             | 2200                    | 152 | 3500                    | 241 | 3600                          | 248 |
| 6-ST   | 3/4             | 1700                    | 117 | 2100                    | 145 | 3000                          | 207 |
| 8-ST   | 1               | 1300                    | 90  | 2000                    | 138 | 2000                          | 138 |
| 10-ST  | 1 1/4           | 1700                    | 117 | 2700                    | 186 | 2200                          | 152 |
| 12-ST  | 1 1/2           | 1400                    | 97  | 2200                    | 152 | 2500                          | 172 |

\* Pressure ratings are for sockets and plugs with threaded end connections. Pressure ratings of couplings with hose stems may be significantly lower and will depend on the type of hose and the method of clamping. Refer to hose manufacturer's end connection pressure ratings. The best way to determine suitability for an application is to run pressure testing under controlled conditions.

**ST Series  
Straight Through**

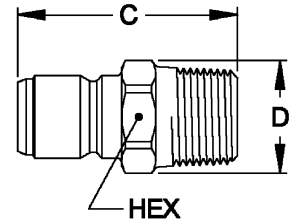


**SPECIFICATIONS**

| BODY SIZE (IN.) | PRODUCT I.D. |              |                  | THREAD SIZE NPTF | THREAD SIZE BSPP | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|-----------------|--------------|--------------|------------------|------------------|------------------|-----------|-----------|-------------|
|                 | BRASS RB&H # | STEEL RB&H # | STAINLESS RB&H # |                  |                  |           |           |             |
| 1/8             | BST-N1M/PH   | ST-N1M/PH    | SST-N1M/PH       | 1/8 - 27         | -                | 1.09      | 0.51      | 0.44        |
| 1/4             | BST-N2M/PH   | ST-N2M/PH    | SST-N2M/PH       | 1/4 - 18         | -                | 1.61      | 0.65      | 0.56        |
| 3/8             | BST-N3M/PH   | ST-N3M/PH    | SST-N3M/PH       | 3/8 - 18         | -                | 1.69      | 0.79      | 0.69        |
| 1/2             | BST-N4M/PH   | ST-N4M/PH    | SST-N4M/PH       | 1/2 - 14         | -                | 2.03      | 1.01      | 0.88        |
| 3/4             | BST-N6M/PH   | ST-N6M/PH    | SST-N6M/PH       | 3/4 - 14         | -                | 2.25      | 1.23      | 1.06        |
| 1               | BST-N8M/PH   | ST-N8M/PH    | SST-N8M/PH       | 1 - 11 1/2       | -                | 2.53      | 1.59      | 1.38        |
| 1 1/2           | BST-N12M/PH  | -            | -                | 1 1/2 - 11 1/2   | -                | 3.31      | 2.60      | 2.25        |

**Male End  
Connections**

PLUG

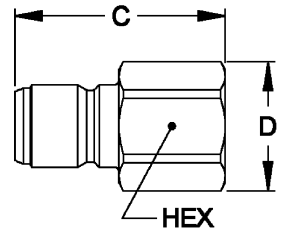


**SPECIFICATIONS**

| BODY SIZE (IN.) | PRODUCT I.D. |              |                  | THREAD SIZE NPTF | THREAD SIZE BSPP | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|-----------------|--------------|--------------|------------------|------------------|------------------|-----------|-----------|-------------|
|                 | BRASS RB&H # | STEEL RB&H # | STAINLESS RB&H # |                  |                  |           |           |             |
| 1/8             | BST-N1/PH    | ST-N1/PH     | -                | 1/8 - 27         | -                | 1.00      | 0.58      | 0.50        |
| 1/4             | BST-N2/PH    | ST-N2/PH     | SST-N2/PH        | 1/4 - 18         | -                | 1.50      | 0.79      | 0.69        |
| 3/8             | BST-N3/PH    | ST-N3/PH     | SST-N3/PH        | 3/8 - 18         | -                | 1.63      | 0.94      | 0.81        |
| 1/2             | BST-N4/PH    | ST-N4/PH     | SST-N4/PH        | 1/2 - 14         | -                | 1.94      | 1.15      | 1.00        |
| 3/4             | BST-N6/PH    | ST-N6/PH     | SST-N6/PH        | 3/4 - 14         | -                | 2.06      | 1.37      | 1.19        |
| 1               | BST-N8/PH    | ST-N8/PH     | SST-N8/PH        | 1 - 11 1/2       | -                | 2.21      | 1.80      | 1.56        |
| 1 1/4           | BST-N10/PH   | -            | -                | 1 1/4 - 11 1/2   | -                | 2.34      | 2.31      | 2.00        |
| 1 1/2           | BST-N12/PH   | -            | -                | 1 1/2 - 11 1/2   | -                | 2.88      | 2.60      | 2.25        |

**Female End  
Connections**

PLUG



**PNEUMATIC QUICK DISCONNECTS**

**COUPLERS & PLUGS - GAS**

**Series Gas-Mate**  
**3/8" to 1"**



Gas-Mate couplings are one-way shut-off safety couplings designed for use with various fuel gases. Body sizes are 3/8", 1/2", 3/4" and 1".

**FEATURES**

- Connect and disconnect without using wrenches
- Automatic shut-off when plug is removed from socket
- In case of fire, heat-sensitive plug allows socket valve to close, stopping gas flow

**STANDARD MATERIALS**

- Brass construction
- Stainless steel locking balls
- Viton socket o-ring
- Valve actuator soldered to plug with low melting temperature alloy

**ACCESSORIES**

- Dust caps and dust plugs

**For connection of gas cooking appliances and other gas-fired devices.**

CSA design certified, in both the United States and Canada, for natural gas, manufactured gas, liquefied petroleum and LP gas-air mixtures at pressures not in excess of 1/2 psig (3.5 kPa).

Complies with the requirements of ANSI Z21.41 & CSA 6.9-M98.

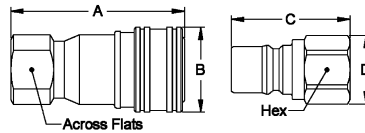
**CAPACITIES**

| BODY SIZE (IN.) | SOCKET RB&H # | PLUG RB&H # | CAPACITY* BTU/HR | SOCKET O-RING RB&H # |
|-----------------|---------------|-------------|------------------|----------------------|
| 3/8             | 100-006/PH    | 100-506/PH  | 60,000           | 914-3-143M           |
| 1/2             | 100-008/PH    | 100-508/PH  | 90,000           | 902-14-143M          |
| 3/4             | 100-010/PH    | 100-510/PH  | 245,000          | 902-18-143M          |
| 1               | 100-012/PH    | 100-512/PH  | 310,000          | 902-23-143M          |

\* Capacity is based on natural gas having a specific gravity of 0.64 and a heat capacity of 1,000 BTU per cubic foot. Inlet pressure is 12 inches water column and the pressure drop is 0.3 inch water column.

**SOCKET SPECIFICATIONS**

| BODY SIZE (IN.) | RB&H #     | THREAD SIZE NPTF | "A" (IN.) | "B" (IN.) | ACROSS FLATS (IN.) |
|-----------------|------------|------------------|-----------|-----------|--------------------|
| 3/8             | 100-006/PH | 3/8 - 18         | 2.44      | 1.13      | 1.00               |
| 1/2             | 100-008/PH | 1/2 - 14         | 2.84      | 1.38      | 1.13               |
| 3/4             | 100-010/PH | 3/4 - 14         | 3.17      | 1.75      | 1.50               |
| 1               | 100-012/PH | 1 - 11 1/2       | 3.94      | 2.13      | 1.75               |



**PLUG SPECIFICATIONS**

| BODY SIZE (IN.) | RB&H #     | THREAD SIZE NPTF | "C" (IN.) | "D" (IN.) | "HEX" (IN.) |
|-----------------|------------|------------------|-----------|-----------|-------------|
| 3/8             | 100-506/PH | 3/8 - 18         | 1.59      | 0.94      | 0.81        |
| 1/2             | 100-508/PH | 1/2 - 14         | 1.94      | 1.16      | 1.00        |
| 3/4             | 100-510/PH | 3/4 - 14         | 2.06      | 1.52      | 1.31        |
| 1               | 100-512/PH | 1 - 11 1/2       | 2.47      | 1.73      | 1.50        |