

## BR-Series Pneumatic Couplings

### Interchange Data:

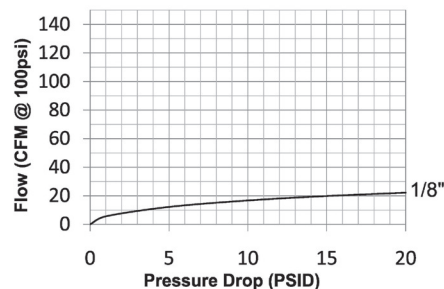
- Rectus 21KA, Tomco Series SC, CEJN Series 223

### Materials:

- Machined components are manufactured using solid brass bar stock.
- Stainless steel springs, carbon steel balls and retaining rings
- Machined components are plated with chrome-over-nickel plating.

### Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**

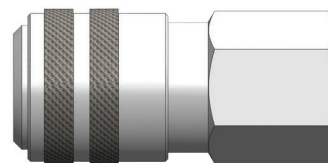
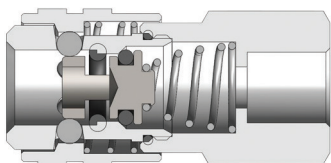


### Rated Pressure Chart:

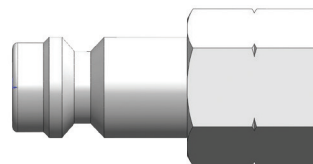
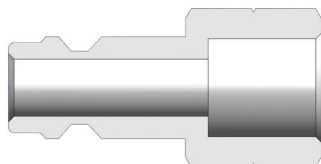
| Body Size | BR-Series Rectus 21-Series Interchange (Connected) |     |       |     |
|-----------|----------------------------------------------------|-----|-------|-----|
|           | Coupler/Plug                                       |     |       |     |
|           | Maximum Working                                    |     | Burst |     |
|           | PSI                                                | Bar | PSI   | Bar |
| 1/8"      | 300                                                | 20  | 7,000 | 483 |

### Technical Specifications:

| Body Size | Interchange Standards |                 |                         |                     | Functional Parameters |               |            |               |                          |
|-----------|-----------------------|-----------------|-------------------------|---------------------|-----------------------|---------------|------------|---------------|--------------------------|
|           | U.S. Military         | U.S. Government | International Standards | ANSI/NFPA Standards | Locking Ball Quantity | Air Inclusion | Fluid Loss | Vacuum Rating | Flow $\Delta P = 15$ PSI |
| 1/4"      | -                     | -               | -                       | -                   | 6                     | N/A           | N/A        | N/R           | 20 CFM                   |

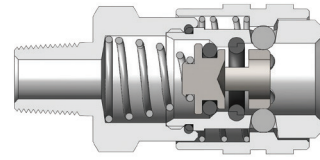
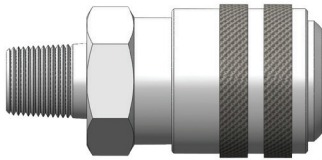


| Body Size | BR-Series Rectus 21-Series Interchange Coupler (Female Threads) |                |          |        |      |            |      |       |             |     |
|-----------|-----------------------------------------------------------------|----------------|----------|--------|------|------------|------|-------|-------------|-----|
|           | Part Detail                                                     |                |          | Length |      | Maximum OD |      | Hex   | Package Qty |     |
|           | Part Number                                                     | Threads        | Material | Inch   | mm   | Inch       | mm   | Inch  | Bag         | Box |
| 1/8"      | <b>1BRF1-B-7</b>                                                | 1/8" - 27 NPT  | brass    | 1.55   | 39.4 | 0.65       | 16.5 | 9/16" | 10          | 100 |
| 1/8"      | <b>1BRBF1-B-7</b>                                               | 1/8" - 28 BSPP | brass    | 1.55   | 39.4 | 0.65       | 16.5 | 9/16" | 10          | 100 |
| 1/8"      | <b>1BRF2-B-7</b>                                                | 1/4" - 18 NPT  | brass    | 1.77   | 45.0 | 0.72       | 18.3 | 5/8"  | 10          | 100 |
| 1/8"      | <b>1BRBF2-B-7</b>                                               | 1/4" - 19 BSPP | brass    | 1.77   | 45.0 | 0.72       | 18.3 | 5/8"  | 10          | 100 |

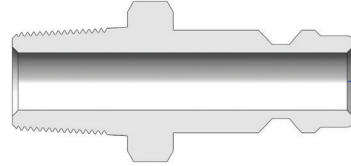
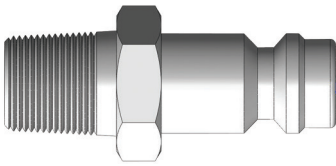


| Body Size | BR-Series Rectus 21-Series Interchange Nipple (Female Threads) |                |          |        |      |            |      |       |             |     |
|-----------|----------------------------------------------------------------|----------------|----------|--------|------|------------|------|-------|-------------|-----|
|           | Part Detail                                                    |                |          | Length |      | Maximum OD |      | Hex   | Package Qty |     |
|           | Part Number                                                    | Threads        | Material | Inch   | mm   | Inch       | mm   | Inch  | Bag         | Box |
| 1/8"      | <b>BR1F1-B-E-7</b>                                             | 1/8" - 27 NPT  | brass    | 1.14   | 29.0 | 0.65       | 16.5 | 9/16" | 10          | 100 |
| 1/8"      | <b>BR1BF1-B-E-7</b>                                            | 1/8" - 28 BSPP | brass    | 1.14   | 29.0 | 0.65       | 16.5 | 9/16" | 10          | 100 |
| 1/8"      | <b>BR1F2-B-E-7</b>                                             | 1/4" - 18 NPT  | brass    | 1.33   | 33.8 | 0.72       | 18.3 | 5/8"  | 10          | 100 |
| 1/8"      | <b>BR1BF2-B-E-7</b>                                            | 1/4" - 19 BSPP | brass    | 1.33   | 33.8 | 0.72       | 18.3 | 5/8"  | 10          | 100 |

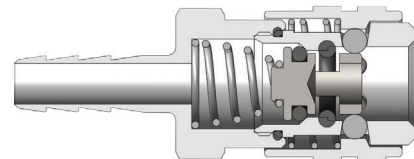
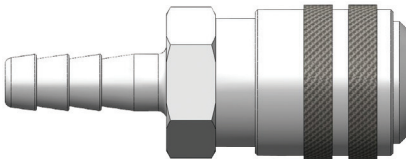
## BR-Series Pneumatic Couplings



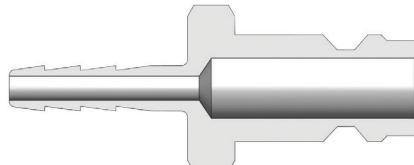
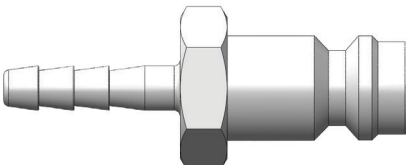
| Body Size | BR-Series Rectus 21-Series Interchange Coupler (Male Threads) |                |          |        |      |            |      |          |             |     |
|-----------|---------------------------------------------------------------|----------------|----------|--------|------|------------|------|----------|-------------|-----|
|           | Part Detail                                                   |                |          | Length |      | Maximum OD |      | Hex Inch | Package Qty |     |
|           | Part Number                                                   | Threads        | Material | Inch   | mm   | Inch       | mm   |          | Bag         | Box |
| 1/8"      | <b>1BRM1-B-7</b>                                              | 1/8" - 27 NPT  | brass    | 1.49   | 37.8 | 0.65       | 16.5 | 9/16"    | 10          | 100 |
| 1/8"      | <b>1BRGM1-B-7</b>                                             | 1/8" - 28 BSPP | brass    | 1.49   | 37.8 | 0.65       | 16.5 | 9/16"    | 10          | 100 |
| 1/8"      | <b>1BRM2-B-7</b>                                              | 1/4" - 18 NPT  | brass    | 1.61   | 40.9 | 0.72       | 18.3 | 5/8"     | 10          | 100 |
| 1/8"      | <b>1BRGM2-B-7</b>                                             | 1/4" - 19 BSPP | brass    | 1.61   | 40.9 | 0.72       | 18.3 | 5/8"     | 10          | 100 |



| Body Size | BR-Series Rectus 21-Series Interchange Nipple (Male Threads) |                |          |        |      |            |      |          |             |     |
|-----------|--------------------------------------------------------------|----------------|----------|--------|------|------------|------|----------|-------------|-----|
|           | Part Detail                                                  |                |          | Length |      | Maximum OD |      | Hex Inch | Package Qty |     |
|           | Part Number                                                  | Threads        | Material | Inch   | mm   | Inch       | mm   |          | Bag         | Box |
| 1/8"      | <b>BR1M1-B-E-7</b>                                           | 1/8" - 27 NPT  | brass    | 1.06   | 26.9 | 0.65       | 16.5 | 9/16"    | 10          | 100 |
| 1/8"      | <b>BR1GM1-B-E-7</b>                                          | 1/8" - 28 BSPP | brass    | 1.06   | 26.9 | 0.65       | 16.5 | 9/16"    | 10          | 100 |
| 1/8"      | <b>BR1M2-B-E-7</b>                                           | 1/4" - 18 NPT  | brass    | 1.20   | 30.5 | 0.72       | 18.3 | 5/8"     | 10          | 100 |
| 1/8"      | <b>BR1GM2-B-E-7</b>                                          | 1/4" - 19 BSPP | brass    | 1.20   | 30.5 | 0.72       | 18.3 | 5/8"     | 10          | 100 |



| Body Size | BR-Series Rectus 21-Series Interchange Coupler (Hose Barb) |         |          |        |      |            |     |          |             |     |
|-----------|------------------------------------------------------------|---------|----------|--------|------|------------|-----|----------|-------------|-----|
|           | Part Detail                                                |         |          | Length |      | Maximum OD |     | Hex Inch | Package Qty |     |
|           | Part Number                                                | Hose ID | Material | Inch   | mm   | Inch       | mm  |          | Bag         | Box |
| 1/8"      | <b>1BRS1.25-B-7</b>                                        | 4mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |
| 1/8"      | <b>1BRS1.86-B-7</b>                                        | 6mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |
| 1/8"      | <b>1BRS2.83-B-7</b>                                        | 9mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |



| Body Size | BR-Series Rectus 21-Series Interchange Nipple (Hose Barb) |         |          |        |      |            |     |          |             |     |
|-----------|-----------------------------------------------------------|---------|----------|--------|------|------------|-----|----------|-------------|-----|
|           | Part Detail                                               |         |          | Length |      | Maximum OD |     | Hex Inch | Package Qty |     |
|           | Part Number                                               | Hose ID | Material | Inch   | mm   | Inch       | mm  |          | Bag         | Box |
| 1/8"      | <b>BR1S1.25-B-E-7</b>                                     | 4mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |
| 1/8"      | <b>BR1S1.86-B-E-7</b>                                     | 6mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |
| 1/8"      | <b>BR1S2.83-B-E-7</b>                                     | 9mm     | brass    | 1.26   | 32.0 | 0.35       | 8.9 | 9/16"    | 10          | 100 |