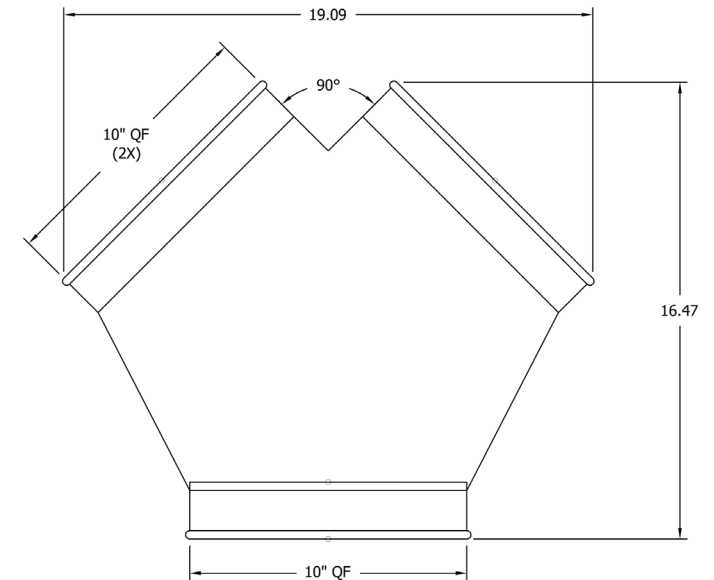


QF Y-Branch 3221

| "A" Size In. | ID In. | Rolled Edge (nom. in.) | Length | Weight Lbs | Galvanized Steel | | | | 304SS (or 316SS) | | |
|--------------------|-----------|---------------------------|--|---------------|------------------|------|------|------|------------------|------|------|
| | | | | | 22ga | 20ga | 18ga | 16ga | 22ga | 20ga | 18ga |
| 3 | 3.05 | .2 | QF or Raw ends: Length = A + 4" | 2.32 | Std | | | | Std | | |
| 4 | 3.86 | .2 | | 3.00 | | | | | | | |
| 5 | 4.86 | .2 | | 3.75 | | | | | | | |
| 6 | 5.89 | .2 | | 4.25 | | | | | | | |
| 7 | 6.89 | .3 | | 5.00 | | | | | | | |
| 8 | 7.88 | .3 | | 6.00 | | | | | | | |
| 9 | 8.88 | .3 | | 7.25 | | | | | | | |
| 10 | 9.89 | .3 | | 8.50 | | | | | | | |
| 11 | 10.88 | .3 | | 9.25 | | | | | | | |
| 12 | 11.97 | .4 | | 10.75 | | | | | | | |
| 13 | 12.97 | .4 | 11.40 | | | | | | | | |
| 14 | 13.96 | .4 | 13.50 | Std | Optional | | | Std | Optional | | |
| 15 | 14.97 | .4 | 15.60 | | | | | | | | |
| 16 | 15.97 | .4 | 17.56 | | | | | | | | |
| 17 | 16.97 | .4 | 19.00 | | | | | | | | |
| 18 | 17.96 | .4 | 21.00 | | | | | | | | |
| 19 | 18.96 | .4 | 25.00 | | | | | | | | |
| 20 | 19.96 | .4 | 30.00 | | | | | | | | |
| 21 | 20.97 | .4 | 35.00 | | | | | | | | |
| 22 | 21.97 | .4 | 39.50 | | | | | | | | |
| 23 | 23.97 | .4 | 47.00 | | | | | | | | |
| 24 | 24.93 | .4 | 53.50 | Std | Optional | | | Std | Optional | | |
| 25 | 25.96 | Angle Flange (AF) | 63.00 | | | | | | | | |
| 26 | 25.96 | AF | 74.00 | | | | | | | | |
| 27 | 27.94 | AF | 81.00 | | | | | | | | |
| 28 | 27.94 | AF | 98.00 | | | | | | | | |
| 29 | 28.89 | AF | 107.00 | | | | | | | | |
| 30 | 29.89 | AF | 117.05 | | | | | | | | |
| 31 | 30.94 | AF | 121.00 | | | | | | | | |
| 32 | 31.87 | AF | 125.94 | | | | | | | | |
| 33 | 32.92 | AF | 130.00 | | | | | | | | |
| 34 | 33.95 | AF | 134.83 | | | | | | | | |
| 35 | 34.90 | AF | 138.00 | | | | | | | | |
| 36 | 35.93 | AF | 142.78 | | | | | | | | |
| 37 | 36.99 | AF | 148.00 | | | | | | | | |
| 38 | 37.86 | AF | 153.47 | | | | | | | | |
| 39 | 38.88 | AF | 158.00 | | | | | | | | |
| 40 | 39.97 | AF | 162.81 | | | | | | | | |



| Temperature Rating of Product Components | | | | | | |
|--|------------------|------------------|-----------------------------------|---|--|---|
| ° F | Y-Branch | | Sealants | | | |
| -60° | Galvanized Steel | Optional - 304SS | 3M Scotch Seal Metal Sealant 2084 | Optional - 3M Polyurethane Adhesive Sealant 540 | Optional - Rock River Silicone Sealant | Optional - Red Devil HVAC/R High Temperature Silicone Sealant |
| -40° | | | | Optional - Epoxy - 3M DP 125 Gray Sealant | | |
| 0° | | | | | | |
| 194° | | | | | | |
| 250° | | | | | | |
| 400° | | | | | | |
| 500° | | | | | | |
| 1100° | | | | | | |

| Additional Notes |
|--|
| Rock River Silicone Sealant and Red Devil HVAC/R High Temperature Silicone Sealant are not paintable |
| Galvanized steel provides little or no breakdown of zinc (zinc melting point 740°F) |
| 304SS: • bluing may occur at 800° F and above |

| Compliance / Rating of Product Components | | |
|---|---------------|---|
| Product | Material | Compliance / Rating |
| QF Y-Branch | Galvanized | ASTM A527 with a G-90 rating |
| | 304SS | Finish meets ASTM A240 |
| | 316SS | Finish meets ASTM A240 |
| 3M Scotch Seal Metal Sealant 2084 | Acetone blend | AAMA Specification 801.1 |
| 3M Polyurethane Sealant 540 | Polyurethane | ASTM E 162, ASTM E 662, Bombardier SP 800-C |
| Rock River Sealant | 100% Silicone | ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, FDA No 421 CFR 117.2600, conforms to FDA requirements |
| Red Devil HVAC/R High Temperature Sealant | Silicone | ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, CEBTP 432.6 140-2, Mil Spec 46106A, CGSB 19C9-9B, DIN 18540 Part 2, OREX 150031-2 |

Construction:

Seam: longitudinal seam is lapped, spot welded, and caulked.

Collars: located on the exterior side of each port and considered as air flow non-directional. Collars have a laser welded longitudinal seam (exception: 3" collars are lapped, spot welded, and caulked.) If air flow directional product is required, it must be stated on the PO and additional cost may be incurred. A raised lap seam and spot weld are used for attaching the collar to the body and no caulking is used. If caulking is required, additional cost may be incurred.

Ends: Standard QF end can be changed to Raw ID (RAWID), Raw OD (RAWOD), No Fitting (NF), Hose Adapter (RAWFLEX), Flat Flange (FFL), Angle Flange (ANGFL), or Van Stone (VANSTONE).