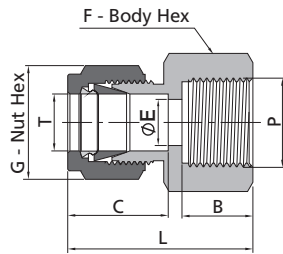
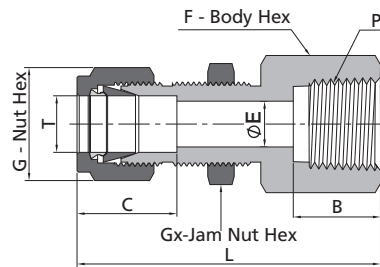


## A-34 6 Series Tube Fittings



| Metric Tube            |                            |                             |                      | Metric Thread |            |            |            |            |  |
|------------------------|----------------------------|-----------------------------|----------------------|---------------|------------|------------|------------|------------|--|
| T-Tube<br>O.D.<br>(mm) | P-Metric<br>Thread<br>Size | Basic<br>Ordering<br>Number | Dimensions, mm (in.) |               |            |            |            |            |  |
|                        |                            |                             | L                    | B             | C          | E          | G          | F          |  |
| 6                      | M10 x 1                    | -CF-ML6-MS10                | 32.7(1.29)           | 11.0(0.43)    | 15.3(0.60) | 4.7(0.19)  | 14.0(0.55) | 16.0(0.63) |  |
| 6                      | M14 x 1.5                  | -CF-ML6-MS14                | 36.1(1.42)           | 13.0(0.51)    | 15.3(0.60) | 4.8(0.19)  | 14.0(0.55) | 19.0(0.75) |  |
| 6                      | M20 x 1.5                  | -CF-ML6-MS20                | 37.7(1.48)           | 16.0(0.63)    | 15.3(0.60) | 4.8(0.19)  | 14.0(0.55) | 27.0(1.06) |  |
| 8                      | M8 x 1                     | -CF-ML8-MS8                 | 31.6(1.24)           | 9.0(0.35)     | 16.2(0.64) | 3.0(0.12)  | 16.0(0.63) | 14.0(0.55) |  |
| 8                      | M10 x 1                    | -CF-ML8-MS10                | 33.6(1.32)           | 11.0(0.43)    | 16.2(0.64) | 4.0(0.16)  | 16.0(0.63) | 16.0(0.63) |  |
| 8                      | M14 x 1.5                  | -CF-ML8-MS14                | 35.6(1.40)           | 13.0(0.51)    | 16.2(0.64) | 6.4(0.25)  | 16.0(0.63) | 19.0(0.75) |  |
| 8                      | M20 x 1.5                  | -CF-ML8-MS20                | 38.6(1.52)           | 16.0(0.63)    | 16.2(0.64) | 6.4(0.25)  | 16.0(0.63) | 27.0(1.06) |  |
| 10                     | M16 x 1.5                  | -CF-ML10-MS16               | 38.1(1.50)           | 14.0(0.55)    | 17.2(0.68) | 7.9(0.31)  | 19.0(0.75) | 22.0(0.87) |  |
| 12                     | M20 x 1.5                  | -CF-ML12-MS20               | 44.9(1.77)           | 16.0(0.63)    | 22.8(0.90) | 9.5(0.37)  | 22.0(0.87) | 27.0(1.06) |  |
| 14                     | M10 x 1                    | -CF-ML14-MS10               | 42.5(1.67)           | 11.0(0.43)    | 24.4(0.96) | 4.0(0.16)  | 25.0(0.98) | 24.0(0.94) |  |
| 14                     | M20 x 1.5                  | -CF-ML14-MS20               | 44.9(1.77)           | 16.0(0.63)    | 24.4(0.96) | 10.8(0.43) | 25.0(0.98) | 27.0(1.06) |  |
| 14                     | M22 x 1.5                  | -CF-ML14-MS22               | 45.9(1.81)           | 17.0(0.67)    | 24.4(0.96) | 11.1(0.44) | 25.0(0.98) | 27.0(1.06) |  |
| 16                     | M20 x 1.5                  | -CF-ML16-MS20               | 44.9(1.77)           | 16.0(0.63)    | 24.4(0.96) | 10.8(0.43) | 25.0(0.98) | 27.0(1.06) |  |
| 20                     | M20 x 1.5                  | -CF-ML20-MS20               | 46.5(1.83)           | 16.0(0.63)    | 26.0(1.02) | 10.8(0.43) | 32.0(1.26) | 30.0(1.18) |  |
| 25                     | M27 x 2                    | -CF-ML25-MS27               | 54.4(2.14)           | 18.0(0.71)    | 31.3(1.23) | 16.1(0.63) | 38.0(1.50) | 35.0(1.38) |  |

## Bulkhead Female Connectors



| Fractional Tube         |               |                             |                      |            |            |            |            |            |            | NPT Thread                     |                                     |
|-------------------------|---------------|-----------------------------|----------------------|------------|------------|------------|------------|------------|------------|--------------------------------|-------------------------------------|
| T-Tube<br>O.D.<br>(in.) | P-NPT<br>Size | Basic<br>Ordering<br>Number | Dimensions, in. (mm) |            |            |            |            |            |            | Panel Hole<br>Size<br>in. (mm) | Max. Panel<br>Thickness<br>in. (mm) |
|                         |               |                             | L                    | B          | C          | E          | G          | F          | Gx         |                                |                                     |
| 1/16                    | 1/16          | -BCF-FL1-NS1                | 1.19(30.2)           | 0.39(9.9)  | 0.34(8.6)  | 0.05(1.3)  | 0.31(7.9)  | 0.44(11.1) | 0.31(7.9)  | 0.20(5.2)                      | 0.13(3.2)                           |
| 1/16                    | 1/8           | -BCF-FL1-NS2                | 1.20(30.7)           | 0.41(10.4) | 0.34(8.6)  | 0.05(1.3)  | 0.31(7.9)  | 0.56(14.3) | 0.31(7.9)  | 0.20(5.2)                      | 0.13(3.2)                           |
| 1/8                     | 1/8           | -BCF-FL2-NS2                | 1.76(44.7)           | 0.41(10.4) | 0.50(12.7) | 0.09(2.3)  | 0.44(11.1) | 0.56(14.3) | 0.50(12.7) | 0.33(8.3)                      | 0.50(12.7)                          |
| 1/8                     | 1/4           | -BCF-FL2-NS4                | 1.95(49.6)           | 0.59(15.0) | 0.50(12.7) | 0.09(2.3)  | 0.44(11.1) | 0.75(19.1) | 0.50(12.7) | 0.33(8.3)                      | 0.50(12.7)                          |
| 3/16                    | 1/8           | -BCF-FL3-NS2                | 1.79(45.5)           | 0.41(10.4) | 0.54(13.7) | 0.12(3.0)  | 0.50(12.7) | 0.56(14.3) | 0.56(14.3) | 0.39(9.9)                      | 0.50(12.7)                          |
| 1/4                     | 1/8           | -BCF-FL4-NS2                | 1.85(47.0)           | 0.41(10.4) | 0.60(15.2) | 0.19(4.8)  | 0.56(14.3) | 0.63(15.9) | 0.63(15.9) | 0.45(11.5)                     | 0.40(10.2)                          |
| 1/4                     | 1/4           | -BCF-FL4-NS4                | 2.04(51.8)           | 0.59(15.0) | 0.60(15.2) | 0.19(4.8)  | 0.56(14.3) | 0.75(19.1) | 0.63(15.9) | 0.45(11.5)                     | 0.40(10.2)                          |
| 1/4                     | 3/8           | -BCF-FL4-NS6                | 2.10(53.3)           | 0.59(15.0) | 0.60(15.2) | 0.19(4.8)  | 0.56(14.3) | 0.87(22.2) | 0.63(15.9) | 0.45(11.5)                     | 0.40(10.2)                          |
| 1/4                     | 1/2           | -BCF-FL4-NS8                | 2.29(58.2)           | 0.78(19.8) | 0.60(15.2) | 0.19(4.8)  | 0.56(14.3) | 1.06(27.0) | 0.63(15.9) | 0.45(11.5)                     | 0.40(10.2)                          |
| 5/16                    | 1/8           | -BCF-FL5-NS2                | 1.96(49.8)           | 0.41(10.4) | 0.64(16.3) | 0.25(6.4)  | 0.63(15.9) | 0.69(17.5) | 0.69(17.5) | 0.52(13.1)                     | 0.44(11.2)                          |
| 5/16                    | 1/4           | -BCF-FL5-NS4                | 2.38(60.5)           | 0.59(15.0) | 0.64(16.3) | 0.25(6.4)  | 0.63(15.9) | 0.75(19.1) | 0.69(17.5) | 0.52(13.1)                     | 0.44(11.2)                          |
| 3/8                     | 1/8           | -BCF-FL6-NS2                | 1.98(50.3)           | 0.41(10.4) | 0.66(16.8) | 0.28(7.1)  | 0.69(17.5) | 0.75(19.1) | 0.75(19.1) | 0.58(14.7)                     | 0.44(11.2)                          |
| 3/8                     | 1/4           | -BCF-FL6-NS4                | 2.17(55.1)           | 0.59(15.0) | 0.66(16.8) | 0.28(7.1)  | 0.69(17.5) | 0.75(19.1) | 0.75(19.1) | 0.58(14.7)                     | 0.44(11.2)                          |
| 3/8                     | 3/8           | -BCF-FL6-NS6                | 2.23(56.6)           | 0.59(15.0) | 0.66(16.8) | 0.28(7.1)  | 0.69(17.5) | 0.87(22.2) | 0.75(19.1) | 0.58(14.7)                     | 0.44(11.2)                          |
| 3/8                     | 1/2           | -BCF-FL6-NS8                | 2.42(61.5)           | 0.78(19.8) | 0.66(16.8) | 0.28(7.1)  | 0.69(17.5) | 1.06(27.0) | 0.75(19.1) | 0.58(14.7)                     | 0.44(11.2)                          |
| 3/8                     | 3/4           | -BCF-FL6-NS12               | 2.57(65.3)           | 0.81(20.6) | 0.66(16.8) | 0.28(7.1)  | 0.69(17.5) | 1.31(33.3) | 0.75(19.1) | 0.58(14.7)                     | 0.44(11.2)                          |
| 1/2                     | 1/4           | -BCF-FL8-NS4                | 2.37(60.2)           | 0.59(15.0) | 0.90(22.9) | 0.41(10.4) | 0.87(22.2) | 0.94(23.8) | 0.94(23.8) | 0.76(19.4)                     | 0.50(12.7)                          |
| 1/2                     | 3/8           | -BCF-FL8-NS6                | 2.43(61.7)           | 0.59(15.0) | 0.90(22.9) | 0.41(10.4) | 0.87(22.2) | 0.94(23.8) | 0.94(23.8) | 0.76(19.4)                     | 0.50(12.7)                          |
| 1/2                     | 1/2           | -BCF-FL8-NS8                | 2.62(66.5)           | 0.78(19.8) | 0.90(22.9) | 0.41(10.4) | 0.87(22.2) | 1.06(27.0) | 0.94(23.8) | 0.76(19.4)                     | 0.50(12.7)                          |
| 1/2                     | 3/4           | -BCF-FL8-NS12               | 2.68(68.1)           | 0.81(20.6) | 0.90(22.9) | 0.41(10.4) | 0.87(22.2) | 1.31(33.3) | 0.94(23.8) | 0.76(19.4)                     | 0.50(12.7)                          |