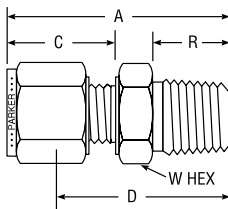
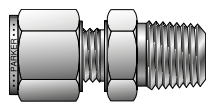


# Tube to Male Pipe

## NPT Male Connector For metric tube



Single/Double Ferrule  
Instrument Compression  
Fittings

| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | MILLIMETERS |                    |      |      |       |      |          |
|------------------|--------------------|---------------------------|-------------|--------------------|------|------|-------|------|----------|
|                  |                    |                           | TUBE O.D.   | NPT PIPE<br>THREAD | A    | C    | D     | R    | W<br>HEX |
| FBZ 2-1/8        | M2MSC1/8N          | 2MO-1-2                   | 2           | 1/8                | 29,7 | 15,3 | 23,1  | 9,5  | 12,0     |
| FBZ 3-1/8        | M3MSC1/8N          | 3MO-1-2                   | 3           | 1/8                | 29,7 | 15,3 | 23,1  | 9,5  | 12,0     |
| FBZ 3-1/4        | M3MSC1/4N          | 3MO-1-4                   | 3           | 1/4                | 35,3 | 15,3 | 28,7  | 14,3 | 14,0     |
| FBZ 4-1/8        | M4MSC1/8N          | 4MO-1-2                   | 4           | 1/8                | 31,2 | 16,1 | 24,6  | 9,5  | 12,0     |
| FBZ 4-1/4        | M4MSC1/4N          | 4MO-1-4                   | 4           | 1/4                | 36,3 | 16,1 | 29,7  | 14,3 | 14,0     |
| FBZ 6-1/8        | M6MSC1/8N          | 6MO-1-2                   | 6           | 1/8                | 32,9 | 17,7 | 25,4  | 9,5  | 14,0     |
| FBZ 6-1/4        | M6MSC1/4N          | 6MO-1-4                   | 6           | 1/4                | 38,1 | 17,7 | 30,6  | 14,3 | 14,0     |
| FBZ 6-3/8        | M6MSC3/8N          | 6MO-1-6                   | 6           | 3/8                | 38,5 | 17,7 | 31,0  | 14,3 | 18,0     |
| FBZ 6-1/2        | M6MSC1/2N          | 6MO-1-8                   | 6           | 1/2                | 44,8 | 17,7 | 37,3  | 19,1 | 22,0     |
| FBZ 8-1/8        | M8MSC1/8N          | 8MO-1-2                   | 8           | 1/8                | 34,2 | 18,6 | 26,7  | 9,5  | 15,0     |
| FBZ 8-1/4        | M8MSC1/4N          | 8MO-1-4                   | 8           | 1/4                | 38,8 | 18,6 | 31,3  | 14,3 | 15,0     |
| FBZ 8-3/8        | M8MSC3/8N          | 8MO-1-6                   | 8           | 3/8                | 39,3 | 18,6 | 31,8  | 14,3 | 18,0     |
| FBZ 8-1/2        | M8MSC1/2N          | 8MO-1-8                   | 8           | 1/2                | 45,6 | 18,6 | 38,1  | 19,1 | 22,0     |
| FBZ 10-1/8       | M10MSC1/8N         | 10MO-1-2                  | 10          | 1/8                | 36,1 | 19,5 | 28,6  | 9,5  | 18,0     |
| FBZ 10-1/4       | M10MSC1/4N         | 10MO-1-4                  | 10          | 1/4                | 40,9 | 19,5 | 33,3  | 14,3 | 18,0     |
| FBZ 10-3/8       | M10MSC3/8N         | 10MO-1-6                  | 10          | 3/8                | 40,9 | 19,5 | 33,3  | 14,3 | 18,0     |
| FBZ 10-1/2       | M10MSC1/2N         | 10MO-1-8                  | 10          | 1/2                | 47,5 | 19,5 | 38,9  | 19,1 | 22,0     |
| FBZ 10-3/4       | M10MSC3/4N         | 10MO-1-12                 | 10          | 3/4                | 46,4 | 19,5 | 38,9  | 19,1 | 27,0     |
| FBZ 10-1         | M10MSC1N           | 10MO-1-16                 | 10          | 1                  | 55,0 | 19,5 | 47,5  | 23,8 | 35,0     |
| FBZ 12-1/4       | M12MSC1/4N         | 12MO-1-4                  | 12          | 1/4                | 43,4 | 22,0 | 33,3  | 14,3 | 22,0     |
| FBZ 12-3/8       | M12MSC3/8N         | 12MO-1-6                  | 12          | 3/8                | 43,4 | 22,0 | 33,3  | 14,3 | 22,0     |
| FBZ 12-1/2       | M12MSC1/2N         | 12MO-1-8                  | 12          | 1/2                | 49,0 | 22,0 | 38,9  | 19,1 | 22,0     |
| FBZ 12-3/4       | M12MSC3/4N         | 12MO-1-12                 | 12          | 3/4                | 50,5 | 22,0 | 40,4  | 19,1 | 27,0     |
| FBZ 14-1/4       | M14MSC1/4N         | 14MO-1-4                  | 14          | 1/4                | 44,2 | 22,0 | 34,1  | 14,3 | 24,0     |
| FBZ 14-3/8       | M14MSC3/8N         | 14MO-1-6                  | 14          | 3/8                | 44,2 | 22,0 | 34,1  | 14,3 | 24,0     |
| FBZ 14-1/2       | M14MSC1/2N         | 14MO-1-8                  | 14          | 1/2                | 49,0 | 22,0 | 38,9  | 19,1 | 24,0     |
| FBZ 15-1/2       | M15MSC1/2N         | 15MO-1-8                  | 15          | 1/2                | 49,0 | 22,0 | 38,9  | 19,1 | 24,0     |
| FBZ 16-3/8       | M16MSC3/8N         | 16MO-1-6                  | 16          | 3/8                | 44,1 | 22,0 | 34,01 | 14,3 | 24,0     |
| FBZ 16-1/2       | M16MSC1/2N         | 16MO-1-8                  | 16          | 1/2                | 49,0 | 22,0 | 38,9  | 19,1 | 24,0     |
| FBZ 16-3/4       | M16MSC3/4N         | 16MO-1-12                 | 16          | 3/4                | 50,5 | 22,0 | 40,5  | 19,1 | 27,0     |
| FBZ 18-1/2       | M18MSC1/2N         | 18MO-1-8                  | 18          | 1/2                | 50,6 | 22,0 | 40,5  | 19,1 | 27,0     |
| FBZ 18-3/4       | M18MSC3/4N         | 18MO-1-12                 | 18          | 3/4                | 50,6 | 22,0 | 40,5  | 19,1 | 27,0     |
| FBZ 20-1/2       | M20MSC1/2N         | 20MO-1-8                  | 20          | 1/2                | 50,6 | 22,0 | 42,2  | 19,1 | 30,0     |
| FBZ 20-3/4       | M20MSC3/4N         | 20MO-1-12                 | 20          | 3/4                | 52,3 | 22,0 | 42,2  | 19,1 | 30,0     |
| FBZ 20-1         | M20MSC1N           | 20MO-1-16                 | 20          | 1                  | 57,7 | 22,0 | 47,6  | 23,8 | 35,0     |
| FBZ 22-3/4       | M22MSC3/4N         | 22MO-1-12                 | 22          | 3/4                | 52,3 | 22,0 | 42,2  | 19,1 | 35,0     |
| FBZ 24-1/2       | M25MSC1/2N         | 25MO-1-8                  | 25          | 1/2                | 57,5 | 26,5 | 45,3  | 19,1 | 35,0     |
| FBZ 25-3/4       | M25MSC3/4N         | 25MO-1-12                 | 25          | 3/4                | 57,5 | 26,5 | 45,2  | 19,1 | 35,0     |
| FBZ 25-1         | M25MSC1N           | 25MO-1-16                 | 25          | 1                  | 62,3 | 26,5 | 50,0  | 23,8 | 35,0     |
|                  | M28MSC1N           | 28MO-1-16                 | 28          | 1                  | 73,0 | 36,6 | 38,6  | 23,9 | 41,0     |
|                  | M30NSC1N           | 30MO-1-16                 | 30          | 1                  | 76,3 | 39,6 | 41,7  | 23,9 | 46,0     |
|                  | M30NSC11/4N        | 30MO-1-20                 | 30          | 1 1/4              | 77,2 | 39,6 | 41,7  | 24,7 | 46,0     |
|                  | M32MSC11/2N        | 32MO-1-24                 | 32          | 1 1/2              | 79,5 | 42,0 | 44,1  | 25,4 | 46,0     |

NOTE: A and C dimensions are typical finger-tight.

Dimensions for reference only, subject to change.