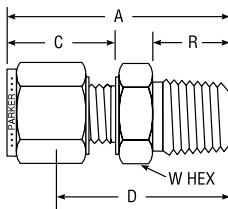
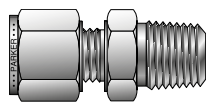


# Tube to Male Pipe

## NPT Male Connector For metric tube



Single/Double Ferrule  
Instrument Compression  
Fittings

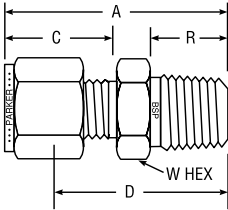
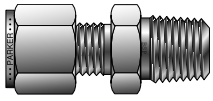
| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | MILLIMETERS |                    |      |      |       |      |          |
|------------------|--------------------|---------------------------|-------------|--------------------|------|------|-------|------|----------|
|                  |                    |                           | 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.

# Tube to Male Pipe

## BSP Taper Male Connector For fractional tube

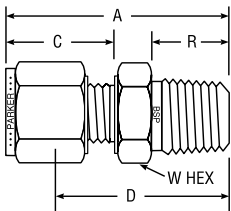
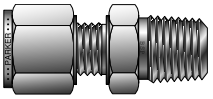


| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | INCHES       |                |      |     |      |     |          |      |
|------------------|--------------------|---------------------------|--------------|----------------|------|-----|------|-----|----------|------|
|                  |                    |                           | TUBE<br>O.D. | BSPT<br>THREAD | A    | C   | D    | R   | W<br>HEX | BORE |
| 2-2K FBZ         | 2MSC2K             | 200-1-2RT                 | 1/8          | 1/8            | 1.20 | .60 | 0.94 | .38 | 7/16     | .19  |
| 2-4K FBZ         | 2MSC4K             | 200-1-4RT                 | 1/8          | 1/4            | 1.40 | .60 | 1.14 | .56 | 9/16     | .19  |
| 4-2K FBZ         | 4MSC2K             | 400-1-2RT                 | 1/4          | 1/8            | 1.30 | .70 | 1.00 | .38 | 1/2      | .19  |
| 4-4K FBZ         | 4MSC4K             | 400-1-4RT                 | 1/4          | 1/4            | 1.50 | .70 | 1.20 | .56 | 9/16     | .19  |
| 4-6K FBZ         | 4MSC6K             | 400-1-6RT                 | 1/4          | 3/8            | 1.52 | .70 | 1.22 | .56 | 11/16    | .19  |
| 4-8K FBZ         | 4MSC8K             | 400-1-8RT                 | 1/4          | 1/2            | 1.77 | .70 | 1.47 | .75 | 7/8      | .19  |
| 5-2K FBZ         | 5MSC2K             | 500-1-2RT                 | 5/16         | 1/8            | 1.34 | .73 | 1.05 | .38 | 9/16     | .19  |
| 5-4K FBZ         | 5MSC4K             | 500-1-4RT                 | 5/16         | 1/4            | 1.52 | .73 | 1.23 | .56 | 9/16     | .19  |
| 6-2K FBZ         | 6MSC2K             | 600-1-2RT                 | 3/8          | 1/8            | 1.39 | .76 | 1.09 | .38 | 5/8      | .19  |
| 6-4K FBZ         | 6MSC4K             | 600-1-4RT                 | 3/8          | 1/4            | 1.57 | .76 | 1.28 | .56 | 5/8      | .28  |
| 6-6K FBZ         | 6MSC6K             | 600-1-6RT                 | 3/8          | 3/8            | 1.57 | .76 | 1.28 | .56 | 11/16    | .28  |
| 6-8K FBZ         | 6MSC8K             | 600-1-8RT                 | 3/8          | 1/2            | 1.82 | .76 | 1.53 | .75 | 7/8      | .28  |
| 8-4K FBZ         | 8MSC4K             | 810-1-4RT                 | 1/2          | 1/4            | 1.69 | .86 | 1.31 | .56 | 13/16    | .28  |
| 8-6K FBZ         | 8MSC6K             | 810-1-6RT                 | 1/2          | 3/8            | 1.69 | .86 | 1.31 | .56 | 13/16    | .38  |
| 8-8K FBZ         | 8MSC8K             | 810-1-8RT                 | 1/2          | 1/2            | 1.91 | .66 | 1.53 | .75 | 7/8      | .41  |

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

Dimensions for reference only, subject to change.

## BSP Taper Male Connector For metric tube



| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | MILLIMETERS  |                |      |      |      |      |          |
|------------------|--------------------|---------------------------|--------------|----------------|------|------|------|------|----------|
|                  |                    |                           | TUBE<br>O.D. | BSPT<br>THREAD | A    | C    | D    | R    | W<br>HEX |
| FBZ 2-1/8K       | M2MSC1/8K          | 2MO-1-2RT                 | 2            | 1/8            | 29,7 | 15,3 | 23,1 | 9,5  | 12,0     |
| FBZ 3-1/8K       | M3MSC1/8K          | 3MO-1-2RT                 | 3            | 1/8            | 29,7 | 15,3 | 23,1 | 9,7  | 12,0     |
| FBZ 3-1/4K       | M3MSC1/4K          | 3MO-1-4RT                 | 3            | 1/4            | 35,3 | 15,3 | 28,7 | 14,2 | 14,0     |
| FBZ 4-1/8K       | M4MSC1/8K          | 4MO-1-2RT                 | 4            | 1/8            | 31,2 | 16,1 | 24,6 | 9,7  | 12,0     |
| FBZ 4-1/4K       | M4MSC1/4K          | 4MO-1-4RT                 | 4            | 1/4            | 36,3 | 16,1 | 29,7 | 14,2 | 14,0     |
| FBZ 6-1/8K       | M6MSC1/8K          | 6MO-1-2RT                 | 6            | 1/8            | 32,9 | 17,7 | 25,4 | 9,7  | 14,0     |
| FBZ 6-1/4K       | M6MSC1/4K          | 6MO-1-4RT                 | 6            | 1/4            | 40,0 | 17,7 | 30,5 | 14,2 | 14,0     |
| FBZ 6-3/8K       | M6MSC3/8K          | 6MO-1-6RT                 | 6            | 3/8            | 38,5 | 17,7 | 31,0 | 14,2 | 18,0     |
| FBZ 6-1/2K       | M6MSC1/2K          | 6MO-1-8RT                 | 6            | 1/2            | 45,6 | 17,7 | 38,1 | 19,1 | 22,0     |
| FBZ 8-1/8K       | M8MSC1/8K          | 8MO-1-2RT                 | 8            | 1/8            | 33,9 | 18,6 | 26,4 | 9,5  | 15,0     |
| FBZ 8-1/4K       | M8MSC1/4K          | 8MO-1-4RT                 | 8            | 1/4            | 38,7 | 18,6 | 31,2 | 14,2 | 15,0     |
| FBZ 8-3/8K       | M8MSC3/8K          | 8MO-1-6RT                 | 8            | 3/8            | 39,3 | 18,6 | 31,8 | 14,2 | 18,0     |
| FBZ 8-1/2K       | M8MSC1/2K          | 8MO-1-8RT                 | 8            | 1/2            | 45,6 | 18,6 | 38,1 | 19,1 | 22,0     |
| FBZ 10-1/8K      | M10MSC1/8K         | 10MO-1-2RT                | 10           | 1/8            | 36,2 | 19,5 | 28,6 | 9,5  | 18,0     |
| FBZ 10-1/4K      | M10MSC1/4K         | 10MO-1-4RT                | 10           | 1/4            | 40,9 | 19,5 | 33,3 | 14,2 | 18,0     |
| FBZ 10-3/8K      | M10MSC3/8K         | 10MO-1-6RT                | 10           | 3/8            | 40,9 | 19,5 | 33,3 | 14,2 | 18,0     |
| FBZ 10-1/2K      | M10MSC1/2K         | 10MO-1-8RT                | 10           | 1/2            | 46,5 | 19,5 | 38,9 | 19,1 | 22,0     |
| FBZ 12-1/4K      | M12MSC1/4K         | 12MO-1-4RT                | 12           | 1/4            | 43,4 | 22,0 | 33,3 | 14,2 | 22,0     |
| FBZ 12-3/8K      | M12MSC3/8K         | 12MO-1-6RT                | 12           | 3/8            | 43,4 | 22,0 | 33,3 | 14,2 | 22,0     |
| FBZ 12-1/2K      | M12MSC1/2K         | 12MO-1-8RT                | 12           | 1/2            | 49,0 | 22,0 | 38,9 | 19,1 | 22,0     |
| FBZ 12-3/4K      | M12MSC3/4K         | 12MO-1-12RT               | 12           | 3/4            | 49,5 | 22,0 | 40,4 | 19,1 | 27,0     |
| FBZ 15-1/2K      | M15MSC1/2K         | 15MO-1-8RT                | 15           | 1/2            | 49,0 | 22,0 | 38,9 | 19,1 | 24,0     |
| FBZ 16-3/8K      | M16MSC3/8K         | 16MO-1-6RT                | 16           | 3/8            | 44,2 | 22,0 | 34,1 | 14,2 | 24,0     |
| FBZ 16-1/2K      | M16MSC1/2K         | 16MO-1-8RT                | 16           | 1/2            | 49,0 | 22,0 | 38,9 | 19,1 | 24,0     |
| FBZ 16-3/4K      | M16MSC3/4K         | 16MO-1-12RT               | 16           | 3/4            | 49,5 | 22,0 | 40,5 | 19,1 | 27,0     |
| FBZ 18-1/2K      | M18MSC1/2K         | 18MO-1-8RT                | 18           | 1/2            | 50,6 | 22,0 | 40,4 | 19,1 | 27,0     |
| FBZ 18-3/4K      | M18MSC3/4K         | 18MO-1-12RT               | 18           | 3/4            | 50,6 | 22,0 | 40,4 | 19,1 | 27,0     |
| FBZ 20-1/2K      | M20MSC1/2K         | 20MO-1-8RT                | 20           | 1/2            | 52,3 | 22,0 | 42,2 | 19,1 | 30,0     |
| FBZ 20-3/4K      | M20MSC3/4K         | 20MO-1-12RT               | 20           | 3/4            | 52,3 | 22,0 | 42,2 | 19,1 | 30,0     |
| FBZ 22-3/4K      | M22MSC3/4K         | 22MO-1-12RT               | 22           | 3/4            | 52,3 | 22,0 | 42,2 | 19,1 | 30,0     |
| FBZ 25-3/4K      | M25MSC3/4K         | 25MO-1-12RT               | 25           | 3/4            | 57,5 | 26,5 | 45,2 | 19,1 | 35,0     |
| FBZ 25-1K        | M25MSC1K           | 25MO-1-16RT               | 25           | 1              | 62,3 | 26,5 | 50,0 | 23,9 | 35,0     |

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

Dimensions for reference only, subject to change.

### Color Coding

For easy reference, table column headings are color indicated as follows:

fractional

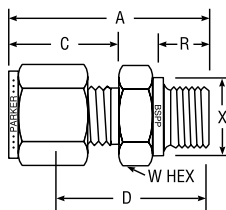
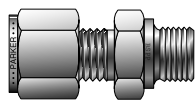


metric



# Tube to Male Pipe

## BSPB Male Connector For fractional tube



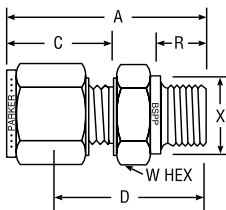
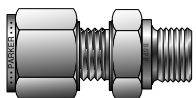
| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | INCHES       |                |      |      |      |     |      |          |      |
|------------------|--------------------|---------------------------|--------------|----------------|------|------|------|-----|------|----------|------|
|                  |                    |                           | TUBE<br>O.D. | BSPB<br>THREAD | A    | C    | D    | R   | X    | W<br>HEX | BORE |
| 2-2R FBZ         | 2MSC2R             | 200-1-2RS                 | 1/8          | 1/8            | 1.18 | .60  | 0.92 | .28 | 0.54 | 9/16     | .16  |
| 2-4R FBZ         | 2MSC4R             | 200-1-4RS                 | 1/8          | 1/4            | 1.27 | .60  | 1.13 | .44 | 0.70 | 3/4      | .09  |
| 2-6R FBZ         | 2MSC6R             | 200-1-6RS                 | 1/8          | 3/8            | 1.46 | .60  | 1.17 | .44 | 0.86 | 7/8      | .28  |
| 4-2R FBZ         | 4MSC2R             | 400-1-2RS                 | 1/4          | 1/8            | 1.28 | .70  | 0.98 | .28 | 0.54 | 9/16     | .16  |
| 4-4R FBZ         | 4MSC4R             | 400-1-4RS                 | 1/4          | 1/4            | 1.49 | .70  | 1.19 | .44 | 0.70 | 3/4      | .19  |
| 4-6R FBZ         | 4MSC6R             | 400-1-6RS                 | 1/4          | 3/8            | 1.55 | .70  | 1.25 | .44 | 0.86 | 7/8      | .19  |
| 4-8R FBZ         | 4MSC8R             | 400-1-8RS                 | 1/4          | 1/2            | 1.77 | .70  | 1.47 | .56 | 1.01 | 1-1/16   | .19  |
| 6-2R FBZ         | 6MSC2R             | 600-1-2RS                 | 3/8          | 1/8            | 1.35 | .76  | 1.06 | .28 | 0.54 | 5/8      | .16  |
| 6-4R FBZ         | 6MSC4R             | 600-1-4RS                 | 3/8          | 1/4            | 1.54 | .76  | 1.25 | .44 | 0.70 | 3/4      | .25  |
| 6-6R FBZ         | 6MSC6R             | 600-1-6RS                 | 3/8          | 3/8            | 1.57 | .76  | 1.28 | .44 | 0.86 | 7/8      | .28  |
| 6-8R FBZ         | 6MSC8R             | 600-1-8RS                 | 3/8          | 1/2            | 1.82 | .76  | 1.53 | .56 | 1.01 | 1-1/16   | .28  |
| 8-4R FBZ         | 8MSC4R             | 810-1-4RS                 | 1/2          | 1/4            | 1.66 | .86  | 1.28 | .44 | 0.70 | 13/16    | .25  |
| 8-6R FBZ         | 8MSC6R             | 810-1-6RS                 | 1/2          | 3/8            | 1.69 | .86  | 1.31 | .44 | 0.86 | 7/8      | .31  |
| 8-8R FBZ         | 8MSC8R             | 810-1-8RS                 | 1/2          | 1/2            | 1.91 | .86  | 1.53 | .56 | 1.01 | 1-1/16   | .41  |
| 12-8R FBZ        | 12MSC8R            | 1210-1-8RS                | 3/4          | 1/2            | 1.93 | .86  | 1.53 | .56 | 1.01 | 1-1/16   | .41  |
| 12-12R FBZ       | 12MSC12R           | 1210-1-12RS               | 3/4          | 3/4            | 2.07 | .86  | 1.69 | .63 | 1.25 | 1-3/8    | .63  |
| 16-8R FBZ        | 16MSC8R            | 1610-1-8RS                | 1            | 1/2            | 2.21 | 1.04 | 1.72 | .56 | 1.01 | 1-3/8    | .41  |
| 16-16R FBZ       | 16MSC16R           | 1610-1-16RS               | 1            | 1              | 2.35 | 1.04 | 1.88 | .72 | 1.52 | 1-5/8    | .88  |

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

Dimensions for reference only, subject to change.

Sealing washer must be used with BSPB end shown ISO228/1 (Form A). See page 105.  
For Form B undercut change part number and add B before R. e.g. M6MSC1/4BR.

## BSPB Male Connector For metric tube



| CPI™<br>PART NO. | A-LOK®<br>PART NO. | INTER-<br>CHANGES<br>WITH | MILLIMETERS  |                |      |      |      |      |      |          |  |
|------------------|--------------------|---------------------------|--------------|----------------|------|------|------|------|------|----------|--|
|                  |                    |                           | TUBE<br>O.D. | BSPB<br>THREAD | A    | C    | D    | R    | X    | W<br>HEX |  |
| FBZ 2-1/8R       | M2MSC1/8R          | 2MO-1-2RS                 | 2            | 1/8            | 28,4 | 15,3 | 21,8 | 7,1  | 14,0 | 13,7     |  |
| FBZ 3-1/8R       | M3MSC1/8R          | 3MO-1-2RS                 | 3            | 1/8            | 30,0 | 15,3 | 23,4 | 7,1  | 13,7 | 14,0     |  |
| FBZ 3-1/4R       | M3MSC1/4R          | 3MO-1-4RS                 | 3            | 1/4            | 35,3 | 15,3 | 28,7 | 11,2 | 17,8 | 19,0     |  |
| FBZ 6-1/8R       | M6MSC1/8R          | 6MO-1-2RS                 | 6            | 1/8            | 32,5 | 17,7 | 25,0 | 7,1  | 13,7 | 14,0     |  |
| FBZ 6-1/4R       | M6MSC1/4R          | 6MO-1-4RS                 | 6            | 1/4            | 37,7 | 17,7 | 30,2 | 11,2 | 17,8 | 19,0     |  |
| FBZ 6-3/8R       | M6MSC3/8R          | 6MO-1-6RS                 | 6            | 3/8            | 39,0 | 17,7 | 31,5 | 11,2 | 21,8 | 22,0     |  |
| FBZ 6-1/2R       | M6MSC1/2R          | 6MO-1-8RS                 | 6            | 1/2            | 45,6 | 17,7 | 38,1 | 14,2 | 25,7 | 27,0     |  |
| FBZ 8-1/8R       | M8MSC1/8R          | 8MO-1-2RS                 | 8            | 1/8            | 33,1 | 18,6 | 25,6 | 7,1  | 15,0 | 13,7     |  |
| FBZ 8-1/4R       | M8MSC1/4R          | 8MO-1-4RS                 | 8            | 1/4            | 38,5 | 18,6 | 31,0 | 11,2 | 17,8 | 19,0     |  |
| FBZ 8-3/8R       | M8MSC3/8R          | 8MO-1-6RS                 | 8            | 3/8            | 39,8 | 18,6 | 32,3 | 11,2 | 21,8 | 22,0     |  |
| FBZ 8-1/2R       | M8MSC1/2R          | 8MO-1-8RS                 | 8            | 1/2            | 45,6 | 18,6 | 38,1 | 14,2 | 25,7 | 27,0     |  |
| FBZ 10-1/4R      | M10MSC1/4R         | 10MO-1-4RS                | 10           | 1/4            | 39,4 | 19,5 | 31,8 | 11,2 | 17,8 | 19,0     |  |
| FBZ 10-3/8R      | M10MSC3/8R         | 10MO-1-6RS                | 10           | 3/8            | 40,6 | 19,5 | 33,0 | 11,2 | 21,8 | 22,0     |  |
| FBZ 10-1/2R      | M10MSC1/2R         | 10MO-1-8RS                | 10           | 1/2            | 46,5 | 19,5 | 38,9 | 14,2 | 25,7 | 27,0     |  |
| FBZ 12-1/4R      | M12MSC1/4R         | 12MO-1-4RS                | 12           | 1/4            | 42,6 | 22,0 | 32,5 | 11,2 | 17,8 | 22,0     |  |
| FBZ 12-3/8R      | M12MSC3/8R         | 12MO-1-6RS                | 12           | 3/8            | 43,1 | 22,0 | 33,0 | 11,2 | 21,8 | 22,0     |  |
| FBZ 12-1/2R      | M12MSC1/2R         | 12MO-1-8RS                | 12           | 1/2            | 49,0 | 22,0 | 38,9 | 14,2 | 25,7 | 27,0     |  |
| FBZ 12-3/4R      | M12MSC3/4R         | 12MO-1-12RS               | 12           | 3/4            | 52,8 | 22,0 | 42,7 | 16,0 | 31,8 | 35,0     |  |
| FBZ 16-3/8R      | M16MSC3/8R         | 16MO-1-6RS                | 16           | 3/8            | 43,5 | 22,0 | 33,4 | 11,2 | 22,0 | 21,8     |  |
| FBZ 16-1/2R      | M16MSC1/2R         | 16MO-1-8RS                | 16           | 1/2            | 49,0 | 22,0 | 38,9 | 14,2 | 26,0 | 27,0     |  |
| FBZ 18-1/2R      | M18MSC1/2R         | 18MO-1-8RS                | 18           | 1/2            | 49,0 | 22,0 | 38,9 | 14,2 | 26,0 | 27,0     |  |
| FBZ 18-3/4R      | M18MSC3/4R         | 18MO-1-12RS               | 18           | 3/4            | 53,1 | 22,0 | 43,0 | 16,0 | 35,0 | 32,0     |  |
| FBZ 20-1/2R      | M20MSC1/2R         | 20MO-1-8RS                | 20           | 1/2            | 50,5 | 22,0 | 40,4 | 14,2 | 30,0 | 25,7     |  |
| FBZ 20-3/4R      | M20MSC3/4R         | 20MO-1-12RS               | 20           | 3/4            | 52,8 | 22,0 | 42,7 | 16,0 | 32,0 | 35,0     |  |
| FBZ 22-3/4R      | M22MSC3/4R         | 22MO-1-12RS               | 22           | 3/4            | 52,8 | 22,0 | 42,7 | 16,0 | 32,0 | 35,0     |  |
| FBZ 25-3/4R      | M25MSC3/4R         | 25MO-1-12RS               | 25           | 3/4            | 59,8 | 26,5 | 47,6 | 16,0 | 35,0 | 31,8     |  |
| FBZ 25-1R        | M25MSC1R           | 25MO-1-16RS               | 25           | 1              | 60,1 | 26,5 | 47,8 | 18,3 | 39,0 | 41,0     |  |

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

Dimensions for reference only, subject to change.

Sealing washer must be used with BSPB end shown ISO228/1 (Form A). See page 105.  
For Form B undercut, add a "B" before the "R." e.g. M6MSC1/4BR.