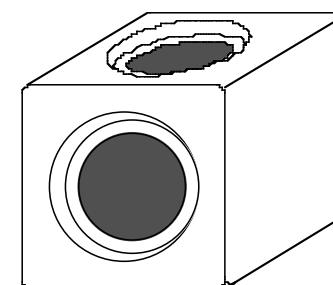


| Fittings | | | Industrial Ceramic Products, Inc. Marysville, OH | | | | | | | | Revised 05/21/02 | |
|------------|--------|---------|---|---------|------|--------|--------|---------|--------|---------|---------------------|---------|
| Item | A | | B | | C | | D | | E | | F | |
| 1" | 1.0" | 25.4mm | 1 5/8" | 41.3mm | 1/4" | 6.4mm | 3.0" | 76.2mm | 3.0" | 76.2mm | 4.0" | 101.6mm |
| 1 1/4" | 1 1/4" | 31.8mm | 2 1/8" | 54mm | 1/4" | 6.4mm | 3.0" | 76.2mm | 3.0" | 76.2mm | 4.0" | 101.6mm |
| 1 1/2" | 1 1/2" | 38.1mm | 2 3/8" | 60.3mm | 1/4" | 6.4mm | 3.0" | 76.2mm | 3.0" | 76.2mm | 4.0" | 101.6mm |
| 2" | 2.0" | 50.8mm | 2 7/8" | 73mm | 3/8" | 9.5mm | 4.0" | 101.6mm | 4.0" | 101.6mm | 4 1/2" | 114.3mm |
| 2 1/2" | 2 1/2" | 63.5mm | 3 1/2" | 89mm | 3/8" | 9.5mm | 4.0" | 101.6mm | 4.0" | 101.6mm | 4 1/2" | 114.3mm |
| 3" | 3 1/8" | 79.4mm | 4 1/4" | 108mm | 1/4" | 6.4mm | 5 1/4" | 133.4mm | 5 1/4" | 133.4mm | 5 1/4" | 133.4mm |
| 3" EMF | 3.0" | 76.2mm | 3 5/8" | 92.1mm | 1/2" | 12.7mm | 5 1/4" | 133.4mm | 5 1/4" | 133.4mm | 5 1/4" | 133.4mm |
| 3 1/2" EMF | 3 1/2" | 88.9mm | 4 1/4" | 108mm | 5/8" | 15.9mm | 5 1/2" | 139.7mm | 5.0" | 127mm | 5.0" | 127mm |
| 4" | 4 1/8" | 104.8mm | 5 3/8" | 136.5mm | 3/8" | 9.5mm | 6 1/2" | 165.1mm | 6 1/2" | 165.1mm | 6 1/4" | 158.8mm |
| 4" EMF | 4 1/8" | 104.8mm | 4 7/8" | 123.8mm | 5/8" | 15.9mm | 6 1/2" | 165.1mm | 6 1/2" | 165.1mm | 6 1/2" | 165.1mm |
| 4 1/2" EMF | 4 1/2" | 114.3mm | 5 3/8" | 136.5mm | 1/2" | 12.7mm | 6 1/4" | 158.8mm | 6 1/4" | 158.8mm | 6 3/4" | 171.5mm |
| 5" (Sm) | 5.0" | 127mm | 6 3/8" | 162mm | 1/2" | 12.7mm | 7.0" | 177.8mm | 7.0" | 177.8mm | 7 3/4" | 196.9mm |
| 5" (Ig) | 5.0" | 127mm | 6 1/2" | 165.1mm | 1/2" | 12.7mm | 7 7/8" | 200mm | 7.0" | 177.8mm | 7 7/8" | 200mm |



*If needed, some fittings can be made with smaller diameter side holes to act as a reducer.