



**SYGEF Plus Flush style reducer**  
**SDR21/PN16**  
**High Purity clean-room product ISO Class 5 (100)**

**Model:**

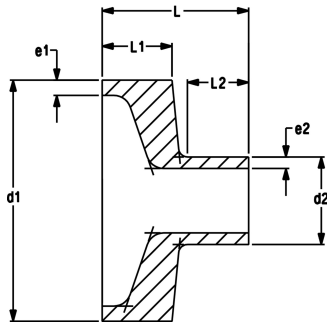
- Material: PVDF-HP
- Machined version; longer spigots possible on request

**Note:**

d1=110: not IR-315 A compatible, please request longer spigots

d40-20 to d110-90 also weldable on IR110

\*Clamping on IR machine for welding both spigots, need to be done on d1

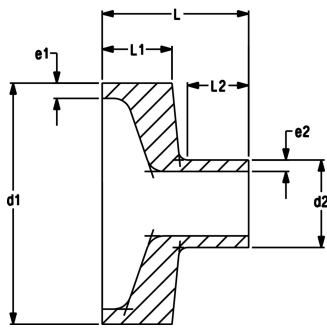


|   | d1<br>(mm) | d2<br>(mm) | SDR | d1 fusion | d2 fusion | PN<br>(bar) | d1 FM | d2 FM | Code               | Weight<br>(kg) |
|---|------------|------------|-----|-----------|-----------|-------------|-------|-------|--------------------|----------------|
| * | 40         | 20         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 104</b> | 0.030          |
| * | 40         | 25         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 105</b> | 0.026          |
| * | 40         | 32         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 106</b> | 0.024          |
| * | 50         | 20         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 107</b> | 0.045          |
| * | 50         | 25         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 108</b> | 0.043          |
| * | 50         | 32         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 109</b> | 0.043          |
| * | 50         | 40         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 110</b> | 0.035          |
| * | 63         | 20         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 111</b> | 0.069          |
| * | 63         | 25         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 112</b> | 0.067          |
| * | 63         | 32         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 113</b> | 0.066          |
| * | 63         | 40         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 114</b> | 0.061          |
| * | 63         | 50         | 21  | IR63      | -         | 16          | IR63  | -     | <b>735 909 115</b> | 0.055          |
|   | 75         | 20         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 116</b> | 0.110          |
|   | 75         | 25         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 117</b> | 0.108          |
|   | 75         | 32         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 118</b> | 0.106          |
|   | 75         | 40         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 119</b> | 0.103          |
|   | 75         | 50         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 120</b> | 0.105          |
| * | 75         | 63         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 121</b> | 0.074          |
|   | 90         | 20         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 122</b> | 0.163          |
|   | 90         | 25         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 123</b> | 0.160          |
|   | 90         | 32         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 124</b> | 0.159          |
|   | 90         | 40         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 125</b> | 0.152          |
|   | 90         | 50         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 126</b> | 0.152          |
| * | 90         | 63         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 127</b> | 0.125          |
| * | 90         | 75         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 128</b> | 0.112          |
|   | 110        | 25         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 130</b> | 0.252          |
|   | 110        | 20         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 129</b> | 0.255          |
|   | 110        | 32         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 131</b> | 0.251          |
|   | 110        | 40         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 132</b> | 0.244          |
|   | 110        | 50         | 21  | IR225     | IR63      | 16          | IR225 | IR63  | <b>735 909 133</b> | 0.238          |
| * | 110        | 63         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 134</b> | 0.206          |
| * | 110        | 75         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 135</b> | 0.192          |
| * | 110        | 90         | 21  | IR225     | -         | 16          | IR225 | -     | <b>735 909 136</b> | 0.169          |
| * | 280        | 250        | 21  | IR315     | -         | 16          | IR315 | -     | <b>735 909 195</b> | 2.228          |
| * | 315        | 250        | 21  | IR315     | -         | 16          | IR315 | -     | <b>735 909 205</b> | 3.872          |

|   | d1<br>(mm) | d2<br>(mm) | e1<br>(mm) | e2<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) |
|---|------------|------------|------------|------------|-----------|------------|------------|
| * | 40         | 20         | 2.4        | 1.9        | 30        | 22         | 8          |
| * | 40         | 25         | 2.4        | 1.9        | 30        | 22         | 8          |
| * | 40         | 32         | 2.4        | 2.4        | 31        | 22         | 9          |
| * | 50         | 20         | 3.0        | 1.9        | 30        | 22         | 8          |
| * | 50         | 25         | 3.0        | 1.9        | 30        | 22         | 8          |
| * | 50         | 32         | 3.0        | 2.4        | 31        | 22         | 9          |
| * | 50         | 40         | 3.0        | 2.4        | 31        | 22         | 9          |
| * | 63         | 20         | 3.0        | 1.9        | 30        | 22         | 8          |
| * | 63         | 25         | 3.0        | 1.9        | 30        | 22         | 8          |

# Data sheet

valid from: 8/23/21



|   | d1<br>(mm) | d2<br>(mm) | e1<br>(mm) | e2<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) |
|---|------------|------------|------------|------------|-----------|------------|------------|
| * | 63         | 32         | 3.0        | 2.4        | 31        | 22         | 9          |
| * | 63         | 40         | 3.0        | 2.4        | 31        | 22         | 9          |
| * | 63         | 50         | 3.0        | 3          | 33        | 22         | 11         |
|   | 75         | 20         | 3.6        | 1.9        | 61        | 23         | 35         |
|   | 75         | 25         | 3.6        | 1.9        | 61        | 23         | 35         |
|   | 75         | 32         | 3.6        | 2.4        | 62        | 23         | 35         |
|   | 75         | 40         | 3.6        | 2.4        | 62        | 23         | 35         |
|   | 75         | 50         | 3.6        | 3          | 63        | 23         | 35         |
| * | 75         | 63         | 3.6        | 3          | 34        | 23         | 11         |
|   | 90         | 20         | 4.3        | 1.9        | 61        | 23         | 35         |
|   | 90         | 25         | 4.3        | 1.9        | 61        | 23         | 35         |
|   | 90         | 32         | 4.3        | 2.4        | 62        | 23         | 35         |
|   | 90         | 40         | 4.3        | 2.4        | 62        | 23         | 35         |
|   | 90         | 50         | 4.3        | 3          | 63        | 23         | 35         |
| * | 90         | 63         | 4.3        | 3          | 34        | 23         | 11         |
| * | 90         | 75         | 4.3        | 3.6        | 36        | 23         | 13         |
|   | 110        | 25         | 5.3        | 1.9        | 61        | 23         | 35         |
|   | 110        | 20         | 5.3        | 1.9        | 61        | 23         | 35         |
|   | 110        | 32         | 5.3        | 2.4        | 62        | 23         | 35         |
|   | 110        | 40         | 5.3        | 2.4        | 62        | 23         | 35         |
|   | 110        | 50         | 5.3        | 3          | 63        | 23         | 35         |
| * | 110        | 63         | 5.3        | 3          | 34        | 23         | 11         |
| * | 110        | 75         | 5.3        | 3.6        | 36        | 23         | 13         |
| * | 110        | 90         | 5.3        | 4.3        | 37        | 23         | 14         |
| * | 280        | 250        | 13.4       | 11.9       | 77        | 57         | 20         |
| * | 315        | 250        | 15.0       | 11.9       | 88        | 68         | 20         |

The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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