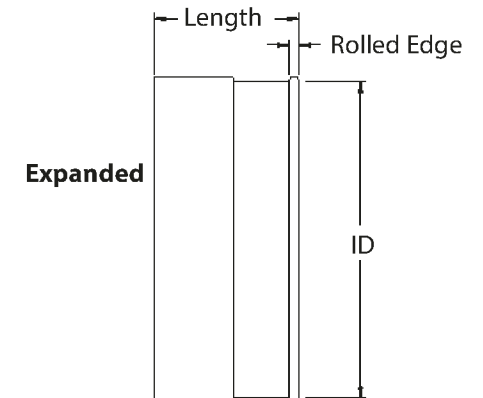
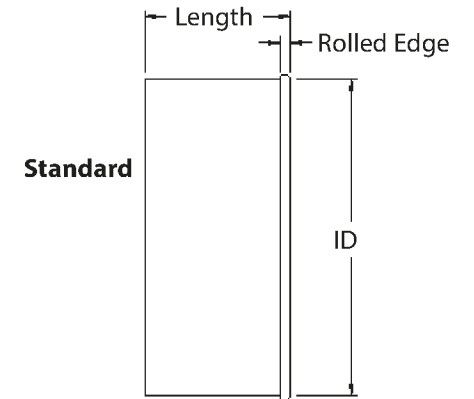


# QF Machine Adapter 3249

Size In.	OD In.	ID In.	Rolled Edgew (nom. in)	Expand- able Raw ID In.	Length In.	Weight Lbs	Galvanized Steel				304SS (or 316SS)		
							22ga	20ga	18ga	16ga	22ga	20ga	
3	3.00	2.90	0.2	3.187	5.5	.60							
4	3.93	3.86	0.2	4.30	4.0	.75							
5	4.94	4.87	0.2	5.30	4.0	.95							
6	5.96	5.89	0.2	6.30	4.0	1.10							
7	6.96	6.89	0.3	7.30	4.0	1.35	Std			Std			
8	7.95	7.88	0.3	8.30	4.0	1.50						Optional	
9	8.95	8.88	0.3	9.30	4.0	1.75							
10	9.95	9.89	0.3	10.30	4.0	1.95							
11	10.94	10.86	0.3	11.30	4.0	2.10							
12	12.04	11.97	0.4	12.30	4.25	2.30							
13	13.05	12.97	0.4	13.30	5.25	2.45		Optional					
14	14.04	13.96	0.4	14.30	5.25	2.70							
15	15.04	14.97	0.4	15.30	5.25	3.05							
16	16.04	15.94	0.4	16.30	5.25	3.20							
17	17.05	16.97	0.4	17.30	5.25	3.32							
18	18.04	17.96	0.4	18.30	5.25	3.45							
19	19.05	18.96	0.4	19.30	5.25	3.68	Std			Std			
20	20.04	19.96	0.4	20.30	5.25	3.90							
21	21.04	20.97	0.4	21.30	5.25	4.10							
22	22.05	21.97	0.4	22.30	5.25	4.30							
23	23.03	22.97	0.4	23.30	5.25	4.95							
24	24.02	23.94	0.4	24.30	5.25	5.60							



**Construction**

**Seam:** longitudinal seam is solid-laser welded for strength and to reduce leakage (exception: 3" adapter is lapped, spot welded, and caulked).

**Ends:** Standard QF end can be changed to Raw ID (RAWID), Raw OD (RAWOD), No Fitting (NF), Hose Adapter (RAWFLEX), Flat Flange (FFL), Angle Flange (ANGFL), or Van Stone (VANSTONE).

**Notes:**

- Length of expanded end is 3.00" long for 4" diameter and greater, 3" expanded length is 0.625.
- Clarify if ID or OD is required - if ID is more or less than dimensions shown above, order as a 3222 reducer.



# QF Machine Adapter 3249

TECHNICAL  
DATA

Temperature Rating of Product Components							
° F	QF Machine Adapter		Sealants				
-60°	Galvanized Steel	Optional - 304SS	3M Scotch Seal Metal Sealant 2084	Optional - 3M Polyurethane Adhesive Sealant 540	Optional - Rock River Silicone Sealant	Optional - Red Devil HVAC/R High Temperature Silicone Sealant	Optional - Epoxy - 3M DP 125 Gray Sealant
-40°							
0°							
194°							
250°							
400°							
500°							
1100°							

Additional Notes
Rock River Silicone Sealant and Red Devil HVAC/R High Temperature Silicone Sealant are not paintable
Galvanized steel provides little or no breakdown of zinc (zinc melting point 740°F)
304SS: <ul style="list-style-type: none"> <li>• 3" SS pipe - caulking on collared seam only</li> <li>• bluing may occur at 800° F and above</li> </ul>

Compliance / Rating of Product Components		
Product	Material	Compliance / Rating
QF Machine Adapter	Galvanized	ASTM A527 with a G-90 rating
	304SS	Finish meets ASTM A240
	316SS	Finish meets ASTM A240
3M Scotch Seal Metal Sealant 2084	Acetone blend	AAMA Specification 801.1
3M Polyurethane Sealant 540	Polyurethane	ASTM E 162, ASTM E 662, Bombardier SP 800-C
Rock River Sealant	100% Silicone	ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, FDA No 421 CFR 117.2600, conforms to FDA requirements
Red Devil HVAC/R High Temperature Sealant	Silicone	ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, CEBTP 432.6 140-2, Mil Spec 46106A, CGSB 19C9-9B, DIN 18540 Part 2, OREX 150031-2