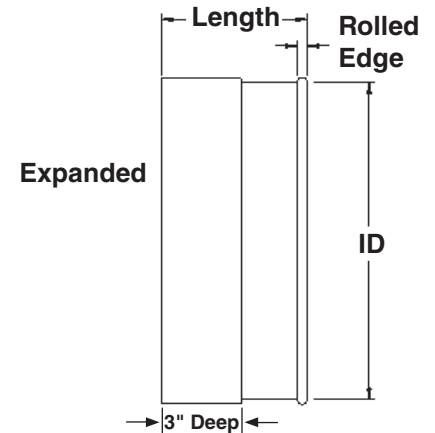
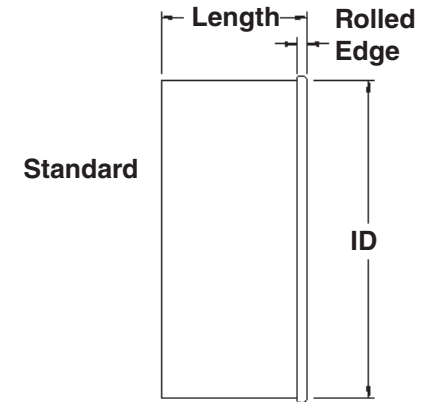


QF Machine Adapter 3249

Size In.	OD In.	ID In.	Rolled Edge (nom. in)	Expand- able Raw ID In.	Length In.	Weight Lbs	Galvanized Steel				304SS (or 316SS)	
							22ga	20ga	18ga	16ga	22ga	20ga
3	3.07	3.00	0.2	3.187	5.5	.60	Std				Std	
4	3.89	3.82	0.2	4.30	4.0	.75						
5	4.91	4.84	0.2	5.30	4.0	.95						
6	5.93	5.86	0.2	6.30	4.0	1.10						
7	6.94	6.87	0.3	7.30	4.0	1.35						
8	7.93	7.86	0.3	8.30	4.0	1.50						
9	8.92	8.85	0.3	9.30	4.0	1.75						
10	9.93	9.86	0.3	10.30	4.0	1.95						
11	10.92	10.85	0.3	11.30	4.0	2.10						
12	11.99	11.92	0.4	12.30	4.0	2.30						
13	13.00	12.92	0.4	13.30	5.5	2.45		Optional				
14	13.99	13.91	0.4	14.30	5.5	2.70						
15	14.99	14.91	0.4	15.30	5.5	3.05						
16	16.00	15.92	0.4	16.30	5.5	3.20						
17	17.00	16.92	0.4	17.30	5.5	3.32						
18	17.99	17.91	0.4	18.30	5.5	3.45						
19	19.05	18.93	0.4	19.30	5.5	3.68						
20	20.00	19.92	0.4	20.30	5.5	3.90						
21	21.02	20.94	0.4	21.30	5.5	4.10						
22	22.01	21.93	0.4	22.30	5.5	4.30						
23	23.01	22.93	0.4	23.30	5.5	4.95	Std					
24	23.98	23.90	0.4	24.30	5.5	5.60						



Construction

Seam: longitudinal seam is solid-laser welded for strength and to reduce leakage.

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.
- Tolerances on expanded RAWID will be: +0.0 / - 0.125"
- Tolerances on expanded RAWOD will be: +0.125" / - 0.0

QF Machine Adapter 3249

Temperature Rating of Product Components						
° F	QF Machine Adapter		Sealants			
1100°	Galvanized Steel	Optional - 304SS	3M Scotch Seal Metal Sealant 2084	Optional - Rock River Silicone Sealant	Optional - Red Devil HVAC/R High Temperature Silicone Sealant	
500°						
400°						
390°						
250°						
194°						
0°						
-40°						
-60°						Optional - Epoxy - 3M DP 125 Gray Sealant

Additional Notes
At temperatures ranging between 390° F and 480° F, the zinc-iron alloy layers in galvanized steel will continue to provide a high level of protection from corrosion. However, there may be some peeling, changes in mechanical properties, and reduction in the corrosion protection. Recommended max. service temperature is 390° F.
Rock River Silicone Sealant and Red Devil HVAC/R High Temperature Silicone Sealant are not paintable
304SS: bluing may occur at 800° F and above

Compliance / Rating of Product Components		
Product	Material	Compliance / Rating
QF Machine Adapter	Galvanized	ASTM A653 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
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