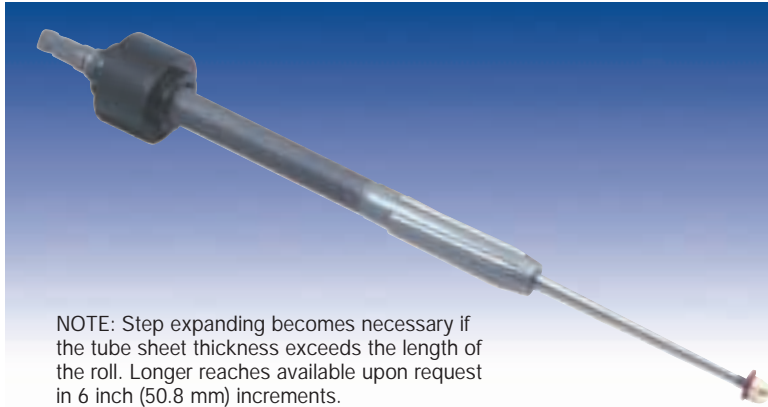


Airetool Condenser Expanders

G-1200 Type Five-Roll Expander



NOTE: Step expanding becomes necessary if the tube sheet thickness exceeds the length of the roll. Longer reaches available upon request in 6 inch (50.8 mm) increments.

Airetool®

G-1200 Series – 5-Roll

O.D Range: 5/8 – 1-1/2 Inches 15.8 – 38.1 mm

- Expanders with 1-1/2 in. (38.1 mm) long rolls will accommodate tube sheet thicknesses as follows:
 STD. REACH 1-1/2" to 6" (38.1 mm to 152.4 mm)
 "A" REACH 1-1/2" to 8" (38.1 mm to 203.1 mm)
 "C" REACH 1-7/8" to 12" (47.6 mm to 304.6 mm)
- Expanders with 2-1/4 in. (57.1 mm) long rolls will accommodate tube sheet thicknesses as follows:
 STD. REACH 2-1/4" to 6-3/4" (57.1 mm to 171.4 mm)
 "A" REACH 2-1/4" to 8-3/4" (57.1 mm to 222.1 mm)
 "C" REACH 2-5/8" to 12-3/4" (66.7 mm to 323.8 mm)
 Longer reaches available upon request in 2 inch (50.8 mm) increments.

Tube O.D. In. (mm)	Tube Gauge bwg In. (mm)		Tube I.D. In. (mm)	Tube Sheet Thickness				Min. I.D. Tool Enters In. (mm)	Max. Expan. of Tool In. (mm)	Mandrel No. (Part No.) 3/8 in. Sq. Dr. / 9.5 mm *1/2 in. Sq. Dr./12.7 mm	Recommended Controlled Rolling Motors	
				1/2 in. to 5 in. (12.7 mm to 133.5 mm)		1-1/4 in. to 5-3/4 in. (31.7 mm to 152.4 mm)					Airetrol	Electric Control
				Tool No. (Part No.)	Roll Set No. (Part No.)	Tool No. (Part No.)	Roll Set No. (Part No.)					
5/8 (15.8)	.17	.058 (1.47)	.509 (12.9)	1215-5 (5519905)	R-4-5 (5513832)	1216-5 (5516284)	R-4-A-5 (5517897)	.499 (12.6)	.564 (14.3)	1216-5 (2981677)	850-1250-A (8405399)	
	.18	.049 (1.24)	.527 (13.4)	1217-5 (5517561)	R-4-5 (5513832)	1218-5 (5516230)	R-4-A-5 (5517897)	.517 (13.1)	.576 (14.6)	M-59 (2528300)		
	.19	.042 (1.07)	.541 (13.7)	1219-5 (5517601)	R-4-5 (5513832)	1220-5 (5515836)	R-4-A-5 (5517897)	.531 (13.5)	.596 (15.1)	M-61 (2530100)		
	.20	.035 (0.89)	.555 (14.1)									
	.21	.032 (0.81)	.561 (14.2)									
	.22	.028 (0.71)	.569 (14.5)									
3/4 (19.0)	.13	.095 (2.41)	.560 (14.2)	1221-5 (5518046)	R-5-5 (5513231)	1222-5 (5515972)	R-5-A-5 (5518189)	.550 (14.0)	.615 (15.6)	M-61 (2530100)	850-600-A (8405398)	979-C-650/ ATC-900
	.14	.083 (2.11)	.584 (14.8)	1223-5 (5514699)	R-6-5 (5518187)	1224-5 (5513968)	R-6-A-5 (5517898)	.574 (14.6)	.629 (15.9)	1224-5 (2975590)		
	.15	.072 (1.83)	.606 (15.4)	1225-5 (5515940)	R-7-5 (5514393)	1226-5 (5523014)	R-7-A-5 (5517899)	.590 (15.0)	.661 (16.8)	1226-5 (2995961)		
	.16	.065 (1.65)	.620 (15.7)	1227-5 (5514698)	R-7-5 (5514393)	1228-5 (5512230)	R-7-A-5 (5517899)	.605 (15.4)	.680 (17.2)	1228-5 (2972977)		
	.17	.058 (1.47)	.634 (16.1)	1229-5 (5515536)	R-7-5 (5514393)	1230-5 (5513536)	R-7-A-5 (5517899)	.619 (15.7)	.699 (17.8)	1230-5 (2973118)		
	.18	.049 (1.24)	.652 (16.6)									
	.19	.042 (1.07)	.666 (16.9)									
	.20	.035 (0.89)	.680 (17.3)									
	.21	.032 (0.81)	.666 (17.4)	1231-5 (5514862)	R-9-5 (5517888)	1232-5 (5513488)	R-9-A-5 (5517900)	.642 (16.3)	.729 (18.5)	M-63 (2531900)		
	.22	.028 (0.71)	.694 (17.6)									
7/8 (22.2)	.13	.095 (2.41)	.685 (17.4)	1233-5 (5515915)	R-9-5 (5517888)	1234-5 (5518158)	R-9-A-5 (5517900)	.670 (17.0)	.747 (18.9)	M-64-3/8 SQ (2980730)	850-600-A (8405398)	979-C-650/ ATC-900
	.14	.083 (2.11)	.709 (18.0)	1235-5 (5518682)	R-10-5 (5518191)	1236-5 (5520939)	R-10-A-5 (5517901)	.685 (17.4)	.774 (19.6)	M-65-3/8 SQ (2901312)		
	.16	.065 (1.65)	.745 (18.9)	1239-5 (5525733)	R-11-5 (5517889)	1240-5 (5525734)	R-11-A-5 (5517902)	.685 (17.4)	.750 (19.0)	M-66-3/8 SQ (2985119)		
	.17	.058 (1.47)	.759 (19.3)	1243-5 (5518366)	R-11-5 (5517889)	1244-5 (5521320)	R-11-A-5 (5517902)	.740 (18.8)	.824 (20.9)	M-67 (2535500)		
	.18	.049 (1.24)	.777 (19.7)									
	.19	.042 (1.07)	.791 (20.1)									

Airetool Condenser Expanders

Selection Guide G-1200 Type Five-Roll Expanders – continued

Tube O.D. In. (mm)	Tube Gauge		Tube I.D. In. (mm)	Tube Sheet Thickness				Min. I.D. Tool Enters In. (mm)	Max. Expan. of Tool In. (mm)	Mandrel No. (Part No.) 3/8 in. Sq. Dr. / 9.5 mm *1/2 in. Sq. Dr./12.7 mm	Recommended Controlled Rolling Motors	
	bwg	In. (mm)		1/2 in. to 5-1/4 in. (12.7 mm to 133.5 mm)		1-1/4 in. to 6 in. (31.7 mm to 152.4 mm)					Airretrol	Electric Control
				Tool No. (Part No.)	Roll Set No. (Part No.)	Tool No. (Part No.)	Roll Set No. (Part No.)					
7/8 (22.2)	20	.035 (0.89)	.805 (20.4)									
	21	.032 (0.81)	.811 (20.6)	1245-5 (5525740)	R-11-5 (5517889)	1246-5 (5517924)	R-11-A-5 (5517902)	.763 (19.4)	.851 (21.6)	M-18-3/8 (2983633)	850-1250-A (8405399)	
	22	.028 (0.71)	.819 (20.8)									
1 (25.4)	12	.109 (2.77)	.782 (19.9)	1245-5 (5525740)	R-11-5 (5517889)	1246-5 (5515924)	R-11-A-5 (5517902)	.763 (19.4)	.852 (21.6)	M-18-3/8 (2983633)	850-600-A (8405398)	
	13	.095 (2.41)	.810 (20.6)	1247-5 (5516336)	R-13-5 (5513741)	1248-5 (5517558)	R-13-A-5 (5517903)	.791 (20.1)	.880 (22.4)			
	14	.083 (2.11)	.834 (21.2)	1249-5 (5514121)	R-12-5 (5517890)	1250-5 (5514700)	R-12-A-5 (5515825)	.810 (20.6)	.909 (23.0)	1250-5 (2976082)		
	15	.072 (1.83)	.856 (21.7)							M-70 (2538200)		
	16	.065 (1.65)	.870 (22.1)	1251-5 (5513797)	R-13-5 (5513741)	1252-5 (5512231)	R-13-A-5 (5517903)	.837 (21.3)	.936 (23.7)			
	17	.058 (1.47)	.884 (22.5)								850-1250-A (8405399)	
	18	.049 (1.24)	.902 (22.9)									
	19	.042 (1.07)	.916 (23.3)	1255-5 (5513740)	R-13-5 (5513741)	1256-5 (5513809)	R-13-A-5 (5517903)	.865 (22.0)	.965 (24.5)	1256-5 (2974854)		
	20	.035 (0.89)	.930 (23.6)									
	21	.032 (0.81)	.936 (23.8)									
	22	.028 (0.71)	.944 (24.0)	1257-5 (5514329)	R-15-5 (5513833)	1258-7 (5513627)	R-15-A-5 (5517907)	.883 (22.4)	.997 (25.3)	M-71* (2539100)		
1-1/8 (28.5)	12	.109 (2.77)	.907 (23.0)	1257-5 (5514329)	R-15-5 (5513833)	1258-5 (5513627)	R-15-A-5 (5517907)	.883 (22.4)	.997 (25.3)	M-71* (2539100)	1050-400 (8404200)	
	13	.095 (2.41)	.935 (23.7)	1259-5 (5524563)	R-16-5 (5518056)	1260-5 (5525735)	R-16-A-5 (5517904)	.916 (23.3)	1.000 (25.4)	1260-5* (2998975)		
	14	.083 (2.11)	.959 (24.1)	1261-5 (5525736)	R-17-5 (5517891)	1262-5 (5514470)	R-17-A-5 (5517905)	.935 (23.7)	1.043 (26.4)	M-71* (2539100)		
1-1/4 (31.8)	15	.072 (1.83)	1.106 (28.1)								1050-400 (8404200)	
	16	.065 (1.65)	1.120 (28.4)	1275-5 (5521923)	R-21-5 (5517887)	1276-5 (5516623)		1.087 (27.6)	1.196 (30.4)	1276-5* (2982367)		
	17	.058 (1.47)	1.134 (28.8)									
	18	.049 (1.24)	1.152 (29.3)									
	19	.042 (1.07)	1.166 (29.6)				R-11-A-5 (5517902)					
	20	.042 (0.80)	1.180 (30.0)	1279-5 (5525540)	R-21-5 (5517887)	1280-5 (5517875)		1.115 (28.3)	1.231 (31.3)	1280-5* (2983613)		
	21	.032 (0.81)	1.186 (30.1)									
	22	.028 (0.71)	1.194 (30.3)									
1-3/8 (34.9)	12	.109 (2.77)	1.154 (29.3)	1281-5 (5518823)	R-21-5 (5517887)	1282-5 (5525737)	R-21-A-5 (5513291)	1.133 (28.8)	1.242 (31.5)	1282-5* (2986615)	1550-250 (8404280)	
	14	.083 (2.11)	1.209 (30.7)	1285-5 (5522166)	R-23-5 (5517982)	1286-5 (5525869)	R-23-A-5 (5518192)	1.179 (29.9)	1.296 (32.9)			
1-1/2 (38.1)	17	.058 (1.47)	1.384 (35.2)								1550-900 (8404290)	
	18	.049 (1.24)	1.402 (35.2)									
	19	.042 (1.07)	1.416 (36.0)									
	20	.035 (0.89)	1.430 (36.3)	1299-5 (5513442)	R-29-5 (5517893)	1300-5 (5514833)	R-29-A-5 (5517906)	1.331 (33.8)	1.489 (37.8)	1299-5* (2973869)		
	21	.032 (0.81)	1.436 (36.5)									
	22	.028 (0.71)	1.444 (36.7)									