

Airetool Condenser Expanders

Selection Guide G-1300 Series Heat Exchanger and Condenser Tube Expanders

Airetool®

G-1300 Series

O.D. Range:
3/8 Inches
9.5 mm

- Expanders with 3/4 in. (19.0 mm) long rolls will accommodate tube sheet thicknesses of 3/4 in. to 3 in. (19 mm to 76.2 mm)
- Expanders with 1-1/4 in. (31.7 mm) long rolls will accommodate tube sheet thicknesses from 1-1/4 in. to 3-1/2 in. (31.7 mm to 88.9 mm)
- These expanders will accommodate a wide range of tube sheet thicknesses.



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.) 1/4 in. Sq. Dr. / 6.3 mm		Recommended Controlled Rolling Motors Airetool
					3/4 in. to 3 in. (19.0 mm to 76.0 mm)*		1-1/4 in. to 3-1/2 in. (31.7 mm to 88.9 mm)*								
					Tool No. (Part No.)	Roll Set No. (Part No.)	Tool No. (Part No.)	Roll Set No. (Part No.)	In. (mm)	In. (mm)	1/4 in. Sq. Dr. / 6.3 mm				
3/8 (9.5)	15	.072 (1.82)	.231 (5.8)	1315 (5512183)	1315 (5512184)	1316 (5512185)	1316 (5512180)	.230 (5.8)	.265 (6.7)	720-2500B (8405541)					
	16	.065 (1.65)	.245 (6.2)	1319 (5512187)	903 (5174700)	1319-L (5512190)	916-L (5512157)	.240 (6.1)	.275 (6.9)		M-86 (2541400)				
	17	.058 (1.47)	.259 (6.5)	1317 (5512191)		1318 (5512192-5)	904 (5174800)	.255 (6.4)	.289 (7.3)		M-88 (2541600)				
	18	.049 (1.24)	.277 (7.0)	1301 (5055100)	1302 (5055200)	.272 (6.9)		.307 (7.8)	M-80 (2540000)						
	19	.042 (1.06)	.291 (7.3)	1303 (5055300)	903 (5174700)	1304 (5055400)	.286 (7.2)	.320 (8.1)	M-81 (2540200)						
	20	.035 (.88)	.305 (7.7)	1305 (5055500)	907 (5174900)	1306 (5055600)	908 (5175000)	.300 (7.6)	.334 (8.4)		M-82 (2540400)				
	21	.032 (.81)	.311 (7.9)	1307 (5055700)		1308 (5055800)		.306 (7.7)	.340 (8.6)		M-83 (2540600)				
	22	.028 (.71)	.319 (8.1)	1309 (5055900)	909 (5175100)	1310 (5056000)	910 (5175200)	.314 (7.9)	.349 (8.8)		M-84 (2540800)				
	23	.025 (.63)	.325 (8.2)	1311 (5056100)	911 (5175300)	1312 (50562000)	912 (5175400)	.320 (8.1)	.357 (9.0)						
	24	.022 (.55)	.331 (8.4)												



Tube Expander Lubricant "LUBE-A-TUBE"

- A water soluble lubricant especially compounded for use with tube expanders. It prevents rust, acts as a coolant for longer life and smoother rolling.

*NOTE: Step expanding becomes necessary if the tube sheet thickness exceeds the length of the roll.