

Condenser Expanders

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

G-1300 Series Expanders

O.D. Range: 3/8" (9.5 mm)

- Expanders with 3/4" (19.0 mm) long rolls will accommodate tube sheet thicknesses of 3/4" to 3" (19.0 mm to 76.2 mm).
- Expanders with 1-1/4" (31.7 mm) long rolls will accommodate tube sheet thicknesses from 1-1/4" to 3-1/2" (31.7 mm to 88.9 mm).



NOTE: Information on any size of tube not listed will be furnished upon request.

Tube O.D.		Tube Gauge		Tube I.D.		Tube Sheet Thickness				Min. I.D. Tool Enters		Max. Expan. of Tool		Mandrel No. (Order No.) 1/4 in. Sq. Dr. 6.3 mm	Recommended Rolling Motors (Order No.)	
						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) *								
in.	mm	bwg	in.	mm	in.	mm	Tool No. (Order No.)	Roll Set No. (Order No.)	Tool No. (Order No.)	Roll Set No. (Order No.)	in.	mm	in.	mm		
3/8	9.5	15	0.072	1.82	0.231	5.86	1315 (5512183)	1315 (5512184)	1316 (5512185)	1316 (5512180)	0.230	5.84	0.265	6.73	M-86 (2541400)	720-2500B (8405541)
		16	0.065	1.65	0.245	6.22	1319 (5512187)	903 (5174700)	1319-L (5512190)	916-L (5512157)	0.240	6.09	0.275	6.98		
		17	0.058	1.47	0.259	6.57	1317 (5512191)		1318 (5512192-5)	904 (5174800)	0.255	6.47	0.289	7.34	M-88 (2541600)	
		18	0.049	1.24	0.277	7.03	1301 (5055100)		1302 (5055200)		0.272	6.90	0.307	7.79	M-80 (2540000)	
		19	0.042	1.06	0.291	7.39	1303 (5055300)	1304 (5055400)	0.286	7.26	0.320	8.12	M-81 (2540200)			
		20	0.035	0.88	0.305	7.74	1305 (5055500)	907 (5174900)	1306 (5055600)	908 (5175000)	0.300	7.62	0.334	8.48	M-82 (2540400)	
		21	0.032	0.81	0.311	7.90	1307 (5055700)		1308 (5055800)		0.306	7.77	0.340	8.63	M-83 (2540600)	
		22	0.028	0.71	0.319	8.10	1309 (5055900)	909 (5175100)	1310 (5056000)	910 (5175200)	0.314	7.97	0.349	8.86	M-84 (2540800)	
		23	0.025	0.63	0.325	8.25	1311 (5056100)	911 (5175300)	1312 (5056200)	912 (5175400)	0.320	8.12	0.357	9.06		
		24	0.022	0.55	0.331	8.40					0.320	8.12	0.357	9.06		

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