

1300 Series

KRAIS 1300 series expanders are designed for small tubing where additional reach and a longer roll zone are required. This makes them a strong choice for thick tube sheets or deeper seating geometries. These tools are frequently used for small coolers, especially in service and retubing work where access and geometry drive the need for reach.



WORKING RANGE

TUBE ID	TUBE OD	TUBE SHEET
5,87 - 8,41 mm	9,5 MM	19,0 - 88,9 MM
0,231" - 0,331"	3/8"	3/4" to 3-1/2"

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TUBE OD		TUBE GAUGE			TUBE ID		EXPANSION RANGE				TUBE SHEET THICKNESS				MANDREL	MANDREL SQUARE		PNEUMATIC MOTOR	ELECTRIC MOTOR
											3/4" TO 3"		1-1/4" TO 3-1/2"						
							[INCH]	[MM]	[BWG]	[INCH]	[MM]	[INCH]	[MM]	MIN		MAX	MIN		
3/8	9,5	15	0,072	1,83	0,231	5,87	0,230	0,265	5,84	6,73	1315	1315	1316	1316	M-86	1/4"	6,3	K20-1800	TES3000 S3000
		16	0,065	1,65	0,245	6,22	0,240	0,275	6,10	6,99	1319	1315	1319-L	916-L	M-86	1/4"	6,3		
		17	0,058	1,47	0,259	6,58	0,255	0,289	6,48	7,34	1317	903	1318	904	M-88	1/4"	6,3		
		18	0,049	1,24	0,277	7,04	0,272	0,307	6,91	7,80	1301	903	1302	904	M-80	1/4"	6,3		
		19	0,042	1,07	0,291	7,39	0,286	0,320	7,26	8,13	1303	903	1304	904	M-81	1/4"	6,3		
		20	0,035	0,89	0,305	7,75	0,300	0,334	7,62	8,48	1305	907	1306	908	M-82	1/4"	6,3		
		21	0,032	0,81	0,311	7,90	0,306	0,340	7,77	8,64	1307	907	1308	908	M-83	1/4"	6,3		
		22	0,028	0,71	0,319	8,10	0,314	0,349	7,98	8,86	1309	909	1310	910	M-84	1/4"	6,3		
		23	0,025	0,64	0,325	8,26	0,320	0,357	8,13	9,07	1311	911	1312	912	M-84	1/4"	6,3		
		24	0,022	0,56	0,331	8,41	0,319	0,357	8,10	9,07	1311	911	1312	912	M-84	1/4"	6,3		

* Motor recommendation applies only to most popular cases with a standard percentage of the wall reduction. The recommendation can be different for thicker tube sheet, harder and exotic metal tube and a higher percentage of wall reduction.