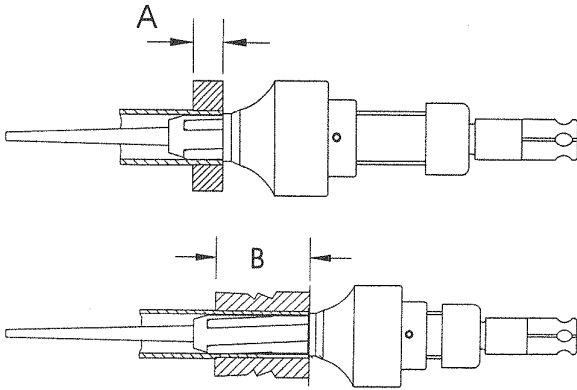


R-AN Series

Condenser and Heat Exchanger Tube Expander

A Tube Sheet Minimum
B Tube Sheet Maximum



FOR TUBES WITH INTERNAL DIAMETER
FROM .152" (3.8 mm) TO .331" (8.4 mm)

TUBE EXPANDERS FITTED WITH ROLLER LENGTH	FOR TUBE SHEET ADJUSTABLE RANGE	
	MINIMUM A	MAXIMUM B
1" (25.4 mm)	1/4" (6.35 mm)	1" (25.4 mm)

Tube O.D. in mm	Tube Thickness		Tube I.D.		Minimum I.D. Tool Enters		Maximum I.D. Expansion of Tool		Expander with 1" (25.4 mm) Long Rollers			Mandrel Square Drive		
	bwg.	in	mm.	in	mm.	in	mm.	in	mm.	Complete Tool No.	Mandrel No.		Rollers Set No.	
1/4"	18	.049	(1.24)	.152	(3.8)	.148	(3.7)	.167	(4.2)	RA-25018	M-21819	R-20018	in 1/4	
	19	.042	(1.06)	.166	(4.2)	.160	(4.0)	.180	(4.5)	RA-25019	M-21819	R-21920		
	20	.035	(0.88)	.180	(4.5)	.175	(4.4)	.196	(4.9)	RA-25020	M-22021	R-21920		
6.35	21	.032	(0.81)	.186	(4.7)	.180	(4.5)	.202	(5.1)	RA-25021	M-22021	R-22124		
	22	.028	(0.71)	.194	(4.9)	.190	(4.8)	.213	(5.4)	RA-25022	M-20022	R-22124		
	23	.025	(0.63)	.200	(5.0)	.195	(4.9)	.216	(5.5)	RA-25023	M-22324	R-21920		
	24	.022	(0.55)	.206	(5.2)	.201	(5.1)	.224	(5.7)	RA-25024	M-22324	R-22124		
	28	.014	(0.35)	.222	(5.6)	.217	(5.4)	.243	(6.1)	RA-25028	M-22830	R-22830		
	29	.013	(0.33)	.224	(5.7)	.217	(5.4)	.243	(6.1)	RA-25028	M-22830	R-22830		
3/8"	30	.012	(0.30)	.226	(5.7)	.217	(5.4)	.243	(6.1)	RA-25028	M-22830	R-22830		
	14	.083	(2.10)	.209	(5.3)	.204	(5.1)	.230	(5.8)	RA-37514	M-22830-B	R-21920		mm 6.3
	15	.072	(1.82)	.231	(5.8)	.225	(5.6)	.265	(6.6)	RA-37515	M-22830-B	R-31516		
	16	.065	(1.65)	.245	(6.2)	.238	(6.0)	.278	(7.0)	RA-37516	M-31617	R-31516		
	17	.058	(1.47)	.259	(6.5)	.253	(6.4)	.293	(7.4)	RA-37517	M-31617	R-31720		
	18	.049	(1.24)	.277	(7.0)	.270	(6.8)	.310	(7.8)	RA-37518	M-30018	R-31720		
19	.042	(1.06)	.291	(7.3)	.285	(7.1)	.325	(8.1)	RA-37519	M-30019	R-31720			
9.53	20	.035	(0.88)	.305	(7.7)	.295	(7.4)	.335	(8.4)	RA-37520	M-32021	R-31720		
	21	.032	(0.81)	.311	(7.9)	.305	(7.5)	.345	(8.6)	RA-37521	M-32021	R-32122		
	22	.028	(0.71)	.319	(8.1)	.312	(7.9)	.353	(8.9)	RA-37522	M-32224	R-32122		
	23	.025	(0.63)	.325	(8.2)	.318	(8.1)	.363	(9.2)	RA-37523	M-32224	R-32324		
	24	.022	(0.55)	.331	(8.4)	.318	(8.1)	.363	(9.2)	RA-37523	M-32224	R-32324		