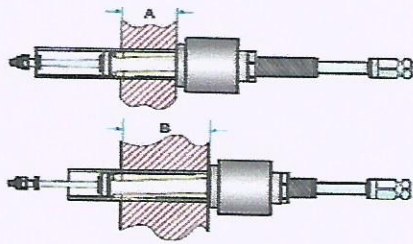


1/2"-1.1/2" O.D.

"800" Series Expander



Tube Expanders fitted With Roller Length	For Tube Sheet Adjustment Range	
	Minimum " A "	Maximum " B "
1.1/2" (38.10 mm)	1/2" (12.70 mm)	1.1/2" (38.10 mm)
2.1/4" (57.15 mm)	1.1/4" (31.75 mm)	2.1/4" (57.15 mm)

Tube O.D	Gauge	Tube. I.D.	Min. I.D. Tool Enters	Maximum Exp.	Expander with 1.1/2" (38.10mm) Roller Length			Expander with 2.1/4" (57.15mm) Roller Length		
					Expander	Mandrel	Roll	Expander	Mandrel	Roll
1/2" (12.7)	14	8.4	8.2	9.5	797	797	797			
	15	9.0	8.8	10.1	799	799	R-1			
	16	9.4	9.1	10.4	801	M-1	R-1			
	17	9.7	9.5	10.7	803	M-1	R-2			
	18	10.2	9.9	11.3	805	M-2	R-3			
5/8" (15.88)	20	10.9	10.3	11.7	805-S	M-3	R-3			
	12	10.3	9.9	11.3	805	M-2	R-3			
	13	11.0	10.8	12.1	807	M-3	R-4			
	14	11.6	11.4	12.9	809	M-4	R-4			
	15	12.2	11.9	13.6	811	M-5	R-5	810	M-4	R-4-A
	16	12.5	12.3	13.9	813	M-5	R-6	812	M-5	R-5-A
	17	12.9	12.6	14.3	815	M-6	R-6	814	M-5	R-6-A
	18	13.3	13.1	14.5	817	M-7	R-7	816	M-6	R-6-A
	19	13.7	13.2	14.7	819	M-6	R-7	818	M-7	R-7-A
	20	14.1	13.6	15.1	819-S	M-8	R-7	820	M-6	R-7-A
3/4" (19.05)	21	14.2	13.6	15.1	819-S	M-8	R-7	820-S	M-8	R-7-A
	22	14.4	13.6	15.1	819-S	M-8	R-7	820-S	M-8	R-7-A
	10	12.2	11.9	13.6	811	M-5	R-5	812	M-5	R-5-A
	11	12.9	12.6	14.3	815	M-6	R-6	816	M-6	R-6-A
	12	13.5	13.2	14.7	819	M-6	R-7	820	M-6	R-7-A
	13	14.2	13.9	15.6	821	M-8	R-8	822	M-8	R-8-A
	14	14.8	14.5	16.2	823	M-8	R-9	824	M-8	R-9-A
	15	15.3	15.1	16.7	825	M-8	R-10	826	M-8	R-10-A
	16	15.7	15.3	17.4	827	M-9	R-10	828	M-9	R-10-A
	17	16.1	15.7	17.7	829	M-9	R-11	830	M-9	R-11-A
7/8" (22.22)	18	16.5	15.7	17.7	829	M-9	R-11	830	M-9	R-11-A
	19	16.9	16.3	18.3	831	M-9	R-12	832	M-9	R-12-A
	20	17.2	16.3	18.3	831	M-9	R-12	832	M-9	R-12-A
	21	17.4	16.3	18.3	831	M-9	R-12	832	M-9	R-12-A
	22	17.6	16.3	18.3	831	M-9	R-12	832	M-9	R-12-A
	10	15.4	15.1	16.7	825	M-8	R-10	826	M-8	R-10-A
	11	16.1	15.7	17.7	829	M-9	R-11	830	M-9	R-11-A
	12	16.6	16.3	18.3	831	M-9	R-12	832	M-9	R-12-A
	13	17.4	17.0	19.0	833	M-10	R-13	834	M-10	R-13-A
	14	18.0	17.4	19.6	835	M-11	R-14	836	M-11	R-14-A
1" (25.40)	15	18.5	18.0	20.3	837	M-11	R-15	838	M-11	R-15-A
	16	18.9	18.4	20.7	839	M-12	R-15	840	M-12	R-15-A
	17	19.2	18.8	21.0	843	M-12	R-16	844	M-12	R-16-A
	18	19.7	18.8	21.0	843	M-12	R-16	844	M-12	R-16-A
	8	17.0	16.6	18.6	841	M-9	R-13	842	M-9	R-13-A
	9	17.8	17.4	19.6	835	M-11	R-14	836	M-11	R-14-A
	10	18.5	18.0	20.3	837	M-11	R-15	838	M-11	R-15-A
	11	19.3	18.8	21.0	843	M-12	R-16	844	M-12	R-16-A
	12	19.8	19.3	21.6	845	M-12	R-17	846	M-12	R-17-A
	13	20.5	20.0	22.3	847	M-12	R-18	848	M-12	R-18-A
1" (25.40)	14	21.1	20.5	23.0	849	M-13	R-18	850	M-13	R-18-A
	15	21.7	21.2	23.7	851	M-13	R-19	852	M-13	R-19-A
	16	22.1	21.2	23.7	851	M-13	R-19	852	M-13	R-19-A
	17	22.4	21.9	24.4	855	M-13	R-21	856	M-13	R-21-A
	18	22.9	21.9	24.4	855	M-13	R-21	856	M-13	R-21-A
	19	23.2	21.9	24.4	855	M-13	R-21	856	M-13	R-21-A
	20	23.6	21.9	24.4	855	M-13	R-21	856	M-13	R-21-A