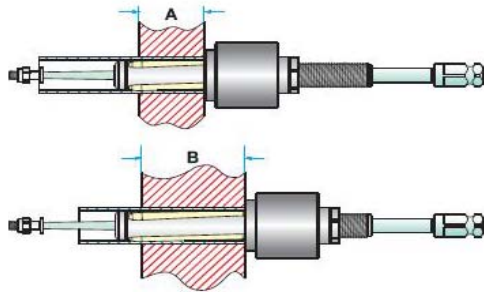


1.3/4"-5" O.D.

"8012" Series Expander

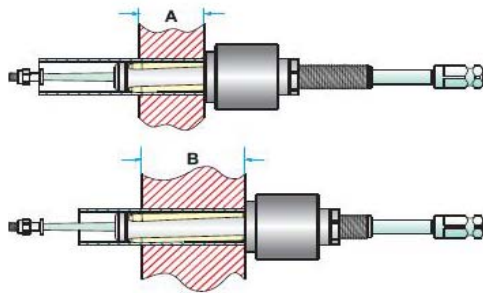


Tube Expanders fitted With Roller Length		For Tube Sheet Adjustment Range	
		Minimum " A "	Maximum "B"
2.1/4" 57.15 mm)	STD Reach	1.1/2" (38.10 mm)	4" (101.40 mm)
	" 6" Reach	1.1/2" (38.10 mm)	6" (152.40 mm)
	" 8" Reach	1.1/2" (38.10 mm)	8" (203.20 mm)

Tube O.D	Gauge	Tube. I.D.	Min. I.D. Tool Enters	Maximum Exp.	Expander with 2.1/4" (57.15mm) Roller Length		
					Expander	Mandrel	Roll
1.3/4" (44.45)	8	36.1	34.7	39.3	8012-1.3/4-8	M-90	R-33-A
	10	37.6	36.0	40.8	8012-1.3/4-10	M-90	R-37-A
	11	38.3	36.9	41.5	8012-1.3/4-11	M-90	R-42
	12	38.9	37.6	42.0	8012-1.3/4-12	M-90	R-44
	13	39.6	38.3	42.7	8012-1.3/4-13	M-90	R-46
2" (50.80)	14	40.2	38.9	43.4	8012-1.3/4-14	M-90	R-48
	7	41.6	39.8	45.0	8012-2-7	M-91	R-46
	8	42.4	40.5	45.6	8012-2-8	M-91	R-48
	10	43.9	41.6	47.1	8012-2-10	M-91	R-50
	11	44.7	42.4	47.8	8012-2-11	M-91	R-52
	12	45.2	43.2	48.4	8012-2-12	M-91	R-54
	13	45.9	43.9	49.6	8012-2-13-18	M-91	R-56
	14	46.5	43.9	49.6	8012-2-13-18	M-91	R-56
	15	47.1	43.9	49.6	8012-2-13-18	M-91	R-56
	16	47.4	43.9	49.6	8012-2-13-18	M-91	R-56
2.1/4" (57.15)	17	47.9	43.9	49.6	8012-2-13-18	M-91	R-56
	18	48.3	43.9	49.6	8012-2-13-18	M-91	R-56
	10	50.3	48.0	53.5	8012-2.1/4-10	M-92	R-56
	11	51.0	48.7	54.2	8012-2.1/4-11	M-92	R-58
	12	51.6	49.6	54.7	8012-2.1/4-12	M-92	R-60
	13	52.3	50.3	55.4	8012-2.1/4-13-16	M-92	R-62
2.1/2" (63.50)	14	52.9	50.3	55.4	8012-2.1/4-13-16	M-92	R-62
	15	53.4	50.3	55.4	8012-2.1/4-13-16	M-92	R-62
	16	53.8	50.3	55.4	8012-2.1/4-13-16	M-92	R-62
	7-8	54.5	52.0	59.3	8012-2.1/2-7-8	M-92	R-45-A
	9	56.0	53.5	60.4	8012-2.1/2-9	M-93	R-45-A
	10	56.6	54.3	61.1	8012-2.1/2-10-12	M-93	R-64
	11	57.4	54.3	61.1	8012-2.1/2-10-12	M-93	R-64
	12	57.9	54.3	61.1	8012-2.1/2-10-12	M-93	R-64
	13	58.6	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
	14	59.2	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
2.3/4" (69.85)	15	59.8	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
	16	60.1	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
	17	60.6	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
	18	61.0	56.6	62.2	8012-2.1/2-13-18	M-94	R-64
	10	63.0	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	11	63.7	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	12	64.3	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	13	65.0	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	14	65.6	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	15	66.1	60.7	68.6	8012-2.3/4-10-16	M-96	R-66
	16	66.5	60.7	68.6	8012-2.3/4-10-16	M-96	R-66

1.3/4"-5" O.D.

"8012" Series Expander



Tube Expanders fitted With Roller Length	For Tube Sheet Adjustment Range	
	Minimum " A "	Maximum "B"
2.1/4" 57.15 mm	STD Reach	1.1/2" (38.10 mm)
	" 6" Reach	1.1/2" (38.10 mm)
	" 8" Reach	1.1/2" (38.10 mm)

Tube O.D	Gauge	Tube. I.D.	Min. I.D. Tool Enters	Maximum Exp.	Expander with 2.1/4" (57.15mm) Roller Length		
					Expander	Mandrel	Roll
3" (76.20)	8	67.8	65.0	71.8	8012-3-8-9	M-97	R-67
	9	68.6	65.0	71.8	8012-3-8-9	M-97	R-67
	10	69.3	67.0	74.9	8012-3-10-18	M-96	R-67
	11	70.1	67.0	74.9	8012-3-10-18	M-96	R-67
	12	70.6	67.0	74.9	8012-3-10-18	M-96	R-67
	13	71.3	67.0	74.9	8012-3-10-18	M-96	R-67
	14	71.9	67.0	74.9	8012-3-10-18	M-96	R-67
	15	72.5	67.0	74.9	8012-3-10-18	M-96	R-67
	16	72.8	67.0	74.9	8012-3-10-18	M-96	R-67
3.1/2" (88.90)	17	73.3	67.0	74.9	8012-3-10-18	M-96	R-67
	18	73.7	67.0	74.9	8012-3-10-18	M-96	R-67
	13	84.1	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
	14	84.7	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
	15	85.2	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
	16	85.6	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
4" (100.60)	17	86.0	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
	18	86.4	81.0	88.0	8012-3.1/2-13-18	M-99	R-70
	3	88.4	87.0	96.0	8012-3.1/2-3-4	M-100	R-71
	4	89.6	87.0	96.0	8012-3.1/2-3-4	M-100	R-71
	8	93.2	91.0	100.0	8012-3.1/2-8-9	M-101	R-71
	9	94.1	91.0	100.0	8012-3.1/2-8-9	M-101	R-71
	10	94.8	93.0	100.6	8012-4-10-16	M-101	R-72
	11	95.5	93.0	100.6	8012-4-10-16	M-101	R-72
	12	96.1	93.0	100.6	8012-4-10-16	M-101	R-72
4.1/2" (114.30)	13	96.8	93.0	100.6	8012-4-10-16	M-101	R-72
	14	97.4	93.0	100.6	8012-4-10-16	M-101	R-72
	16	98.3	93.0	100.6	8012-4-10-16	M-101	R-72
	3	101.1	100.0	109.0	8012-4.1/2-3-4	M-102	R-73
	4	102.3	100.0	109.0	8012-4.1/2-3-4	M-102	R-73
	8	105.9	102.0	111.0	8012-4.1/2-8-9	M-102	R-74
	9	106.8	102.0	111.0	8012-4.1/2-8-9	M-102	R-74
5" (127.0)	10	107.5	104.0	113.0	8012-4.1/2-10-16	M-103	R-74
	12	108.8	104.0	113.0	8012-4.1/2-10-16	M-103	R-74
	16	111.0	104.0	113.0	8012-4.1/2-10-16	M-103	R-74
	3	113.8	112.0	121.0	8012-5-3-4	M-105	R-76
	4	115.0	112.0	121.0	8012-5-3-4	M-105	R-76
	8	118.6	116.0	125.0	8012-5-8-9	M-105	R-77
	9	119.5	116.0	125.0	8012-5-8-9	M-105	R-77
	10	120.2	117.0	126.0	8012-5-10-16	M-105	R-78
	11	121.0	117.0	126.0	8012-5-10-16	M-105	R-78
12	121.5	117.0	126.0	8012-5-10-16	M-105	R-78	
14	122.8	117.0	126.0	8012-5-10-16	M-105	R-78	
16	123.7	117.0	126.0	8012-5-10-16	M-105	R-78	