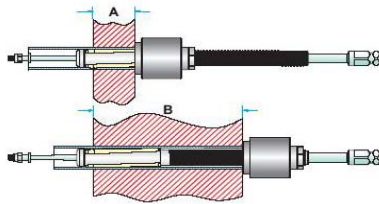


"1200" Series Expander

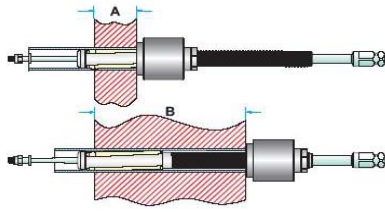


Tube Expanders fitted With Roller Length		For Tube Sheet Adjustment Range	
		Minimum " A "	Maximum " B "
1.1/2" (38.10 mm)	STD Reach	1.1/2" (38.10 mm)	6" (152.40 mm)
	" A" Reach	1.1/2" (38.10 mm)	8" (203.20 mm)
	" B" Reach	1.1/2" (38.10 mm)	10" (254.00 mm)
	" C" Reach	1.1/2" (38.10 mm)	12" (304.80 mm)
2.1/4" (57.10 mm)	STD Reach	2.1/4" (57.15 mm)	6.3/4" (171.40 mm)
	" A" Reach	2.1/4" (57.15 mm)	8.3/4" (222.10 mm)
	" B" Reach	2.1/4" (57.15 mm)	10.3/4" (272.80 mm)
	" C" Reach	2.1/4" (57.15 mm)	12.3/4" (323.60 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	1197	1197	797			
	15	9.0	8.8	10.1	1199	1199	R-1			
	16	9.4	9.1	10.4	1201	M-51	R-1			
	17	9.7	9.5	10.7	1203	M-51	R-2			
	18	10.2	9.9	11.3	1205	M-52	R-3			
5/8" (15.88)	20	10.9	10.3	11.7	1205-S	M-53	R-3			
	12	10.3	9.9	11.3	1205	M-52	R-3			
	13	11.0	10.8	12.1	1207	M-53	R-4			
	14	11.6	11.4	12.9	1209	M-54	R-4	1210	M-54	R-4-A
	15	12.2	11.9	13.6	1211	M-55	R-5	1212	M-55	R-5-A
	16	12.5	12.3	13.9	1213	M-55	R-6	1214	M-55	R-6-A
	17	12.9	12.6	14.3	1215	M-56	R-6	1216	M-56	R-6-A
	18	13.3	13.1	14.5	1217	M-57	R-7	1218	M-57	R-7-A
	19	13.7	13.2	14.7	1219	M-56	R-7	1220	M-56	R-7-A
	20	14.1	13.6	15.1	1219-S	M-58	R-7	1220-S	M-58	R-7-A
3/4" (19.05)	21	14.2	13.6	15.1	1219-S	M-58	R-7	1220-S	M-58	R-7-A
	22	14.4	13.6	15.1	1219-S	M-58	R-7	1220-S	M-58	R-7-A
	10	12.2	11.9	13.6	1211	M-55	R-5	1212	M-55	R-5-A
	11	12.9	12.6	14.3	1215	M-56	R-6	1216	M-56	R-6-A
	12	13.5	13.2	14.7	1219	M-56	R-7	1220	M-56	R-7-A
	13	14.2	13.9	15.6	1221	M-58	R-8	1222	M-58	R-8-A
	14	14.8	14.5	16.2	1223	M-58	R-9	1224	M-58	R-9-A
	15	15.3	15.1	16.7	1225	M-58	R-10	1226	M-58	R-10-A
	16	15.7	15.3	17.4	1227	M-59	R-10	1228	M-59	R-10-A
	17	16.1	15.7	17.7	1229	M-59	R-11	1230	M-59	R-11-A
7/8" (22.22)	18	16.5	15.7	17.7	1229	M-59	R-11	1230	M-59	R-11-A
	19	16.9	16.3	18.3	1231	M-59	R-12	1232	M-59	R-12-A
	20	17.2	16.3	18.3	1231	M-59	R-12	1232	M-59	R-12-A
	21	17.4	16.3	18.3	1231	M-59	R-12	1232	M-59	R-12-A
	22	17.6	16.3	18.3	1231	M-59	R-12	1232	M-59	R-12-A
	10	15.4	15.1	16.7	1225	M-58	R-10	1226	M-58	R-10-A
	11	16.1	15.7	17.7	1229	M-59	R-11	1230	M-59	R-11-A
	12	16.6	16.3	18.3	1231	M-59	R-12	1232	M-59	R-12-A
	13	17.4	17.0	19.0	1233	M-60	R-13	1234	M-60	R-13-A
	14	18.0	17.4	19.6	1235	M-61	R-14	1236	M-61	R-14-A
	15	18.5	18.0	20.3	1237	M-61	R-15	1238	M-61	R-15-A
	16	18.9	18.4	20.7	1239	M-62	R-15	1240	M-62	R-15-A
	17	19.2	18.8	21.0	1243	M-62	R-16	1244	M-62	R-16-A
	18	19.7	18.8	21.0	1243	M-62	R-16	1244	M-62	R-16-A

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

"1200" Series Expander



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" (25.40)	8	17.0	16.6	18.6	1241	M-59	R-13	1242	M-59	R-13-A
	9	17.8	17.4	19.6	1235	M-61	R-14	1236	M-61	R-14-A
	10	18.5	18.0	20.3	1237	M-61	R-15	1238	M-61	R-15-A
	11	19.3	18.8	21.0	1243	M-62	R-16	1244	M-62	R-16-A
	12	19.8	19.3	21.6	1245	M-62	R-17	1246	M-62	R-17-A
	13	20.5	20.0	22.3	1247	M-62	R-18	1248	M-62	R-18-A
	14	21.1	20.5	23.0	1249	M-63	R-18	1250	M-63	R-18-A
	15	21.7	21.2	23.7	1251	M-63	R-19	1252	M-63	R-19-A
	16	22.1	21.2	23.7	1251	M-63	R-19	1252	M-63	R-19-A
	17	22.4	21.9	24.4	1255	M-63	R-21	1256	M-63	R-21-A
	18	22.9	21.9	24.4	1255	M-63	R-21	1256	M-63	R-21-A
19	23.2	21.9	24.4	1255	M-63	R-21	1256	M-63	R-21-A	
20	23.6	21.9	24.4	1255	M-63	R-21	1256	M-63	R-21-A	
1.1/8" (28.58)	8	20.1	19.7	22.2	1253	M-63	R-20	1254	M-63	R-20-A
	9	21.0	20.5	23.0	1249	M-63	R-18	1250	M-63	R-18-A
	10	21.7	21.2	23.7	1251	M-63	R-19	1252	M-63	R-19-A
	11	22.4	21.9	24.4	1255	M-63	R-21	1256	M-63	R-21-A
	12	23.0	22.4	24.9	1257	M-64	R-21	1258	M-64	R-21-A
	13	23.7	23.2	25.7	1259	M-64	R-22	1260	M-64	R-22-A
	14	24.3	23.7	26.5	1261	M-65	R-23	1262	M-65	R-23-A
	15	24.9	24.4	27.2	1263	M-65	R-24	1264	M-65	R-24-A
	16	25.2	24.4	27.2	1263	M-65	R-24	1264	M-65	R-24-A
17	25.6	25.1	27.9	1267	M-66	R-26	1268	M-66	R-26-A	
18	26.0	25.1	27.9	1267	M-66	R-26	1268	M-66	R-26-A	
1.1/4" (31.75)	8	23.3	22.8	25.6	1265	M-65	R-25	1266	M-65	R-25-A
	9	24.2	23.7	26.5	1261	M-65	R-23	1262	M-65	R-23-A
	10	24.9	24.4	27.2	1263	M-65	R-24	1264	M-65	R-24-A
	11	25.6	25.1	27.9	1267	M-66	R-26	1268	M-66	R-26-A
	12	26.2	25.7	28.5	1269	M-66	R-27	1270	M-66	R-27-A
	13	26.9	26.4	29.2	1271	M-67	R-28	1272	M-67	R-28-A
	14	27.5	26.9	29.6	1273	M-67	R-29	1274	M-67	R-29-A
	15	28.0	27.6	30.3	1275	M-67	R-30	1276	M-67	R-30-A
	16	28.4	27.6	30.3	1275	M-67	R-30	1276	M-67	R-30-A
	17	28.8	28.3	31.0	1279	M-68	R-30	1280	M-68	R-30-A
	18	29.2	28.3	31.0	1279	M-68	R-30	1280	M-68	R-30-A
	8	26.5	26.0	28.8	1277	M-67	R-31	1278	M-67	R-31-A
	9	27.4	26.9	29.6	1273	M-67	R-29	1274	M-67	R-29-A
	10	28.1	27.6	30.3	1275	M-67	R-30	1276	M-67	R-30-A
	11	28.8	28.3	31.0	1279	M-68	R-30	1280	M-68	R-30-A
	12	29.3	28.7	31.5	1281	M-68	R-32	1282	M-68	R-32-A
	13	30.1	29.4	32.3	1283	M-69	R-33	1284	M-69	R-33-A
14	30.7	29.9	32.8	1285	M-70	R-34	1286	M-70	R-34-A	
15	31.2	30.6	33.5	1287	M-70	R-35	1288	M-70	R-35-A	
16	31.6	30.6	33.5	1287	M-70	R-35	1288	M-70	R-35-A	
1.1/2" (38.10)	8	29.7	29.0	32.0	1289	M-69	R-34	1290	M-69	R-34-A
	9	30.5	29.9	32.8	1285	M-70	R-34	1286	M-70	R-34-A
	10	31.2	30.6	33.5	1287	M-70	R-35	1288	M-70	R-35-A
	11	32.0	31.3	34.2	1291	M-70	R-36	1292	M-70	R-36-A
	12	32.5	31.9	34.8	1293	M-70	R-37	1294	M-70	R-37-A
	13	33.2	32.6	35.5	1295	M-71	R-37	1296	M-71	R-37-A
	14	33.8	32.6	35.5	1295	M-71	R-37	1296	M-71	R-37-A
	15	34.4	33.8	36.7	1297	M-71	R-38	1298	M-71	R-38-A
	16	34.8	33.8	36.7	1297	M-71	R-38	1298	M-71	R-38-A
	17	35.1	33.8	37.3	1299	M-72	R-38	1300	M-72	R-38-A
	18	35.6	33.8	37.3	1299	M-72	R-38	1300	M-72	R-38-A
19	35.9	33.8	37.3	1299	M-72	R-38	1300	M-72	R-38-A	
20	36.3	33.8	37.3	1299	M-72	R-38	1300	M-72	R-38-A	