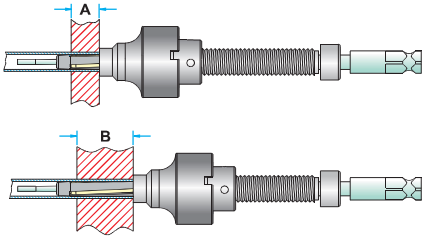


Tube Expander for Heat Exchanger and Condenser

T - 800 / 1200 Series - 3 Rollers



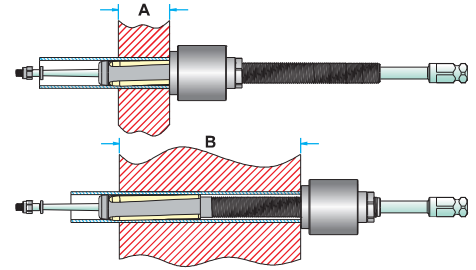
T800 Series	Adjustable Range	
Roller Length	Min.	Max.
1.1/2" (38.1 mm)	1/2" (12.7mm)	1.1/2" (38.1mm)
2.1/4" (57.1 mm)	1.1/4" (31.7mm)	2.1/4" (57.1mm)

Tube O.D. BWG	Tube I.D.		Min I.D. Tube Tool Enters		Max Tool Expansion		800 Series Expander With				Mandrel Models	1200 Series Expander With				Mandrel Models
							1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls			1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls		
							Expander Model	Roll Set Model	Expander Model	Roll Set Model		Expander Model	Roll Set Model	Expander Model	Roll Set Model	
1/2"-14	0.334	8.4	0.324	8.23	0.374	9.50	T-797	TR-797	-	-	TM-797	T-1197	TR-797	-	-	TM-1197
-15	0.356	9.0	0.349	8.84	0.398	10.11	T-799	TR-1	-	-	TM-799	T-1199	TR-1	-	-	TM-1199
-16	0.370	9.4	0.360	9.14	0.410	10.41	T-801	TR-1	-	-	TM-1	T-1201	TR-1	-	-	TM-51
-17	0.384	9.7	0.374	9.50	0.424	10.77	T-803	TR-2	-	-	TM-1	T-1203	TR-2	-	-	TM-51
-18	0.402	10.2	0.392	9.96	0.447	11.35	T-805	TR-3	-	-	TM-2	T-1205	TR-3	-	-	TM-52
-20	0.430	10.9	0.406	10.80	0.461	11.7	T-805S	TR-3	-	-	TM-3	T-1205S	TR-3	-	-	TM-53
5/8"-12	0.407	10.3	0.392	9.96	0.447	11.35	T-805	TR-3	-	-	TM-2	T-1205	TR-3	-	-	TM-52
-13	0.435	11.0	0.425	10.79	0.480	12.19	T-807	TR-4	-	-	TM-3	T-1207	TR-4	-	-	TM-53
-14	0.459	11.6	0.449	11.40	0.509	12.90	T-809	TR-4	T-810	TR-4-A	TM-4	T-1209	TR-4	T-1210	TR-4-A	TM-54
-15	0.481	12.2	0.471	11.96	0.536	13.61	T-811	TR-5	T-812	TR-5-A	TM-5	T-1211	TR-5	T-1212	TR-5-A	TM-55
-16	0.495	12.5	0.485	12.32	0.550	13.97	T-813	TR-6	T-814	TR-6-A	TM-5	T-1213	TR-6	T-1214	TR-6-A	TM-55
-17	0.509	12.9	0.499	12.67	0.564	14.32	T-815	TR-6	T-816	TR-6-A	TM-6	T-1215	TR-6	T-1216	TR-6-A	TM-56
-18	0.527	13.3	0.517	13.13	0.572	14.53	T-817	TR-7	T-818	TR-7-A	TM-7	T-1217	TR-7	T-1218	TR-7-A	TM-57
-19	0.541	13.7	0.522	13.26	0.582	14.7	T-819	TR-7	T-820	TR-7-A	TM-6	T-1219	TR-7	T-1220	TR-7-A	TM-56
-20	0.555	14.1	0.536	13.6	0.596	15.1	T-819S	TR-7	T-820S	TR-7-A	TM-8	T-1219S	TR-7	T-1220S	TR-7-A	TM-58
-21	0.561	14.2	0.536	13.6	0.596	15.1	T-819S	TR-7	T-820S	TR-7-A	TM-8	T-1219S	TR-7	T-1220S	TR-7-A	TM-58
-22	0.569	14.4	0.536	13.6	0.596	15.1	T-819S	TR-7	T-820S	TR-7-A	TM-8	T-1219S	TR-7	T-1220S	TR-7-A	TM-58
3/4"-10	0.482	12.2	0.471	11.96	0.536	13.61	T-811	TR-5	T-812	TR-5-A	TM-5	T-1211	TR-5	T-1212	TR-5-A	TM-55
-11	0.510	12.9	0.499	12.67	0.564	14.32	T-815	TR-6	T-816	TR-6-A	TM-6	T-1215	TR-6	T-1216	TR-6-A	TM-56
-12	0.532	13.5	0.522	13.26	0.582	14.70	T-819	TR-7	T-820	TR-7-A	TM-6	T-1219	TR-7	T-1220	TR-7-A	TM-56
-13	0.560	14.2	0.550	13.97	0.615	15.62	T-821	TR-8	T-822	TR-8-A	TM-8	T-1221	TR-8	T-1222	TR-8-A	TM-58
-14	0.584	14.8	0.574	14.58	0.639	16.23	T-823	TR-9	T-824	TR-9-A	TM-8	T-1223	TR-8	T-1224	TR-8-A	TM-58
-15	0.606	15.3	0.596	15.14	0.661	16.79	T-825	TR-10	T-826	TR-10-A	TM-8	T-1225	TR-8	T-1226	TR-8-A	TM-58
-16	0.620	15.7	0.605	15.37	0.685	17.40	T-827	TR-10	T-828	TR-10-A	TM-9	T-1227	TR-10	T-1228	TR-10-A	TM-59



T1200 Series		Adjustable Range		
Roller Length	Reach	Min.	Max.	
1.1/2" (38.1mm)	Standard	1.1/2" (38.1mm)	6" (152.4 mm)	
	A	1.1/2" (38.1mm)	8" (203.1 mm)	
	B	1.1/2" (38.1mm)	10" (253.8 mm)	
2.1/4" (57.1 mm)	Standard	2.1/4" (57.1mm)	1.1/2" (38.1 mm)	
	A	2.1/4" (57.1mm)	8.3/4" (222.1 mm)	
	B	2.1/4" (57.1mm)	10.3/4" (323.6 mm)	

Longer reaches available upon request in 2 inch (50.8 mm) increments



Tube O.D. BWG	Tube I.D.		Min I.D. Tube Tool Enters		Max Tool Expansion		800 Series Expander With				Mandrel Models	1200 Series Expander With				Mandrel Models
							1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls			1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls		
							Expander	Roll Set	Expander	Roll Set		Expander	Roll Set	Expander	Roll Set	
							Model	Model	Model	Model		Model	Model	Model	Model	
3/4"-17	0.634	16.1	0.619	15.72	0.699	17.75	T-829	TR-11	T-830	TR-11-A	TM-9	T-1229	TR-11	T-1230	TR-11-A	TM-59
-18	0.652	16.5	0.619	15.72	0.699	17.75	T-829	TR-11	T-830	TR-11-A	TM-9	T-1229	TR-11	T-1230	TR-11-A	TM-59
-19	0.666	16.9	0.642	16.3	0.722	18.3	T-831	TR-12	T-832	TR-12-A	TM-9	T-1231	TR-12	T-1232	TR-12-A	TM-59
-20	0.680	17.2	0.642	16.3	0.722	18.3	T-831	TR-12	T-832	TR-12-A	TM-9	T-1231	TR-12	T-1232	TR-12-A	TM-59
-21	0.686	17.4	0.642	16.3	0.722	18.3	T-831	TR-12	T-832	TR-12-A	TM-9	T-1231	TR-12	T-1232	TR-12-A	TM-59
-22	0.694	17.6	0.642	16.3	0.722	18.3	T-831	TR-12	T-832	TR-12-A	TM-9	T-1231	TR-12	T-1232	TR-12-A	TM-59
7/8"-10	0.607	15.4	0.596	15.1	0.661	16.7	T-825	TR-10	T-826	TR-10-A	TM-8	T-1225	TR-10	T-1226	TR-10-A	TM-58
-11	0.635	16.1	0.619	15.7	0.699	17.7	T-829	TR-11	T-830	TR-11-A	TM-9	T-1229	TR-11	T-1230	TR-11-A	TM-59
-12	0.657	16.6	0.642	16.3	0.722	18.3	T-831	TR-12	T-832	TR-12-A	TM-9	T-1231	TR-12	T-1232	TR-12-A	TM-59
-13	0.685	17.4	0.670	17.0	0.750	19.0	T-833	TR-13	T-834	TR-13-A	TM-10	T-1233	TR-13	T-1234	TR-13-A	TM-60
-14	0.709	18.0	0.685	17.5	0.774	19.6	T-835	TR-14	T-836	TR-14-A	TM-11	T-1235	TR-14	T-1236	TR-14-A	TM-61
-15	0.731	18.5	0.712	18.0	0.801	20.3	T-837	TR-15	T-838	TR-15-A	TM-11	T-1237	TR-15	T-1238	TR-15-A	TM-61
-16	0.745	18.9	0.726	18.4	0.815	20.7	T-839	TR-15	T-840	TR-15-A	TM-12	T-1239	TR-15	T-1240	TR-15-A	TM-62
-17	0.759	19.2	0.740	18.8	0.829	21.0	T-843	TR-16	T-844	TR-16-A	TM-12	T-1243	TR-16	T-1244	TR-16-A	TM-62
-18	0.777	19.7	0.740	18.8	0.829	21.0	T-843	TR-16	T-844	TR-16-A	TM-12	T-1243	TR-16	T-1244	TR-16-A	TM-62
1"-8	0.670	17.0	0.655	16.6	0.735	18.6	T-841	TR-13	T-842	TR-13-A	TM-9	T-1241	TR-13	T-1242	TR-13-A	TM-59
-9	0.704	17.8	0.685	17.4	0.774	19.6	T-835	TR-14	T-836	TR-14-A	TM-11	T-1235	TR-14	T-1236	TR-14-A	TM-61
-10	0.732	18.5	0.712	18.0	0.801	20.3	T-837	TR-15	T-838	TR-15-A	TM-11	T-1237	TR-15	T-1238	TR-15-A	TM-61
-11	0.760	19.3	0.740	18.8	0.829	21.0	T-843	TR-16	T-844	TR-16-A	TM-12	T-1243	TR-16	T-1244	TR-16-A	TM-62
-12	0.782	19.8	0.763	19.3	0.852	21.6	T-845	TR-17	T-846	TR-17-A	TM-12	T-1245	TR-17	T-1246	TR-17-A	TM-62
-13	0.810	20.5	0.791	20.0	0.880	22.3	T-847	TR-18	T-848	TR-18-A	TM-12	T-1247	TR-18	T-1248	TR-18-A	TM-62
-14	0.834	21.1	0.810	20.5	0.909	23.0	T-849	TR-18	T-850	TR-18-A	TM-13	T-1249	TR-18	T-1250	TR-18-A	TM-63
-15	0.856	21.7	0.837	21.2	0.936	23.7	T-851	TR-19	T-852	TR-19-A	TM-13	T-1251	TR-19	T-1252	TR-19-A	TM-63
-16	0.870	22.1	0.837	21.2	0.936	23.7	T-851	TR-19	T-852	TR-19-A	TM-13	T-1251	TR-19	T-1252	TR-19-A	TM-63

Tube Expander for Heat Exchanger and Condenser

T - 800 / 1200 Series - 3 Rollers



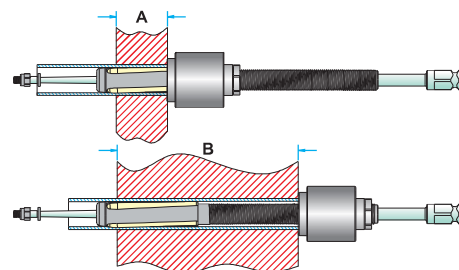
T800 Series	Adjustable Range	
	Min.	Max.
1.1/2" (38.1mm)	1/2" (12.7mm)	1.1/2" (38.1mm)
2.1/4" (38.1mm)	1.1/4" (12.7mm)	2.1/4" (57.1 mm)

Tube O.D. BWG	Tube I.D.		Min I.D. Tube Tool Enters		Max Tool Expansion		800 Series Expander With				Mandrel Models	1200 Series Expander With				Mandrel Models
							1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls			1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls		
							Expander	Roll Set	Expander	Roll Set		Expander	Roll Set	Expander	Roll Set	
							Model	Model	Model	Model		Model	Model	Model	Model	
-17	0.884	22.4	0.865	21.9	0.964	24.4	T-855	TR-21	T-856	TR-21-A	TM-13	T-1255	TR-21	T-1256	TR-21-A	TM-63
-18	0.902	22.9	0.865	21.9	0.964	24.4	T-855	TR-21	T-856	TR-21-A	TM-13	T-1255	TR-21	T-1256	TR-21-A	TM-63
-19	0.916	23.2	0.865	21.9	0.964	24.4	T-855	TR-21	T-856	TR-21-A	TM-13	T-1255	TR-21	T-1256	TR-21-A	TM-63
-20	0.930	23.6	0.865	21.9	0.964	24.4	T-855	TR-21	T-856	TR-21-A	TM-13	T-1255	TR-21	T-1256	TR-21-A	TM-63
1.1/8"-8	0.795	20.1	0.776	19.7	0.875	22.2	T-853	TR-20	T-854	TR-20-A	TM-13	T-1253	TR-20	T-1254	TR-21-A	TM-63
-9	0.829	21.0	0.810	20.5	0.909	23.0	T-849	TR-18	T-850	TR-18-A	TM-13	T-1249	TR-18	T-1250	TR-18-A	TM-63
-10	0.857	21.7	0.837	21.2	0.936	23.7	T-851	TR-19	T-852	TR-19-A	TM-13	T-1251	TR-19	T-1252	TR-19-A	TM-63
-11	0.885	22.4	0.865	21.9	0.964	24.4	T-855	TR-21	T-856	TR-21-A	TM-13	T-1255	TR-21	T-1256	TR-21-A	TM-63
-12	0.907	23.0	0.883	22.4	0.982	24.9	T-857	TR-21	T-858	TR-21-A	TM-14	T-1257	TR-21	T-1258	TR-21-A	TM-64
-13	0.935	23.7	0.916	23.2	1.015	25.7	T-859	TR-22	T-860	TR-22-A	TM-14	T-1259	TR-22	T-1260	TR-22-A	TM-64
-14	0.959	24.3	0.935	23.7	1.044	26.5	T-861	TR-23	T-862	TR-23-A	TM-15	T-1261	TR-23	T-1262	TR-23-A	TM-65
-15	0.981	24.9	0.962	24.4	1.071	27.2	T-863	TR-24	T-864	TR-24-A	TM-15	T-1263	TR-24	T-1264	TR-24-A	TM-65
-16	0.995	25.2	0.962	24.4	1.071	27.2	T-863	TR-24	T-864	TR-24-A	TM-15	T-1263	TR-24	T-1264	TR-24-A	TM-65
-17	1.009	25.6	0.990	25.1	1.099	27.9	T-867	TR-26	T-868	TR-26-A	TM-16	T-1267	TR-26	T-1268	TR-26-A	TM-66
-18	1.027	26.0	0.990	25.1	1.099	27.9	T-867	TR-26	T-868	TR-26-A	TM-16	T-1267	TR-26	T-1268	TR-26-A	TM-66
1.1/4"-8	0.920	23.3	0.901	22.8	1.010	25.6	T-865	TR-25	T-866	TR-25-A	TM-15	T-1265	TR-25	T-1266	TR-25-A	TM-65
-9	0.954	24.2	0.935	23.7	1.044	26.5	T-861	TR-23	T-862	TR-23-A	TM-15	T-1261	TR-23	T-1262	TR-23-A	TM-65
-10	0.982	24.9	0.962	24.4	1.071	27.2	T-863	TR-24	T-864	TR-24-A	TM-15	T-1263	TR-24	T-1264	TR-24-A	TM-65
-11	1.010	25.6	0.990	25.1	1.099	27.9	T-867	TR-26	T-868	TR-26-A	TM-16	T-1267	TR-26	T-1268	TR-26-A	TM-66
-12	1.032	26.2	1.013	25.7	1.122	28.5	T-869	TR-27	T-870	TR-27-A	TM-16	T-1269	TR-27	T-1270	TR-27-A	TM-66
-13	1.060	26.9	1.041	26.4	1.150	29.2	T-871	TR-28	T-872	TR-28-A	TM-17	T-1271	TR-28	T-1272	TR-28-A	TM-67
-14	1.084	27.5	1.060	26.9	1.169	29.6	T-873	TR-29	T-874	TR-29-A	TM-17	T-1273	TR-29	T-1274	TR-29-A	TM-67
-15	1.106	28.0	1.087	27.6	1.196	30.3	T-875	TR-30	T-876	TR-30-A	TM-17	T-1275	TR-30	T-1276	TR-30-A	TM-67
-16	1.120	28.4	1.087	27.6	1.196	30.3	T-875	TR-30	T-876	TR-30-A	TM-17	T-1275	TR-30	T-1276	TR-30-A	TM-67



T1200 Series Roller Length	Adjustable Range		
	Reach	Min.	Max.
1.1/2" (38.1mm)	Standard	1.1/2" (38.1mm)	6" (152.4 mm)
	A	1.1/2" (38.1mm)	8" (203.1 mm)
	B	1.1/2" (38.1mm)	10" (253.8 mm)
2.1/4" (57.1 mm)	Standard	2.1/4" (57.1mm)	1.1/2" (38.1 mm)
	A	2.1/4" (57.1mm)	8.3/4" (222.1 mm)
	B	2.1/4" (57.1mm)	10.3/4" (323.6 mm)

Longer reaches available upon request in 2 inch (50.8 mm) increments



Tube O.D. BWG	Tube I.D.		Min I.D. Tube Tool Enters		Max Tool Expansion		800 Series Expander With				Mandrel Models	1200 Series Expander With				Mandrel Models
	inch	mm	inch	mm	inch	mm	1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls			1 1/2" (38 mm) rolls		2 1/4" (57.1 mm) rolls		
							Expander	Roll Set	Expander	Roll Set		Expander	Roll Set	Expander	Roll Set	
							Model	Model	Model	Model		Model	Model	Model	Model	
1.1/4"-17	1.134	28.8	1.115	28.3	1.224	31.0	T-879	TR-30	T-880	TR-30-A	TM-18	T-1279	TR-30	T-1280	TR-30-A	TM-68
-18	1.152	29.2	1.115	28.3	1.224	31.0	T-879	TR-30	T-880	TR-30-A	TM-18	T-1279	TR-30	T-1280	TR-30-A	TM-68
1.3/8"-8	1.045	26.5	1.026	26.0	1.135	28.8	T-877	TR-31	T-878	TR-31-A	TM-17	T-1277	TR-30	T-1278	TR-31-A	TM-67
-9	1.079	27.4	1.060	26.9	1.169	29.6	T-873	TR-29	T-874	TR-29-A	TM-17	T-1273	TR-29	T-1274	TR-29-A	TM-67
-10	1.107	28.1	1.087	27.6	1.196	30.3	T-875	TR-30	T-876	TR-30-A	TM-17	T-1275	TR-30	T-1276	TR-30-A	TM-67
-11	1.135	28.8	1.115	28.3	1.224	31.0	T-879	TR-30	T-880	TR-30-A	TM-18	T-1279	TR-30	T-1280	TR-30-A	TM-68
-12	1.157	29.3	1.133	28.7	1.242	31.5	T-881	TR-32	T-882	TR-32-A	TM-18	T-1281	TR-32	T-1282	TR-32-A	TM-68
-13	1.185	30.1	1.160	29.4	1.275	32.3	T-883	TR-33	T-884	TR-33-A	TM-19	T-1283	TR-33	T-1284	TR-33-A	TM-69
-14	1.209	30.7	1.179	29.9	1.294	32.8	T-885	TR-34	T-886	TR-34-A	TM-20	T-1285	TR-34	T-1286	TR-34-A	TM-70
-15	1.231	31.2	1.206	30.6	1.321	33.5	T-887	TR-35	T-888	TR-35-A	TM-20	T-1287	TR-35	T-1288	TR-35-A	TM-70
-16	1.245	31.6	1.206	30.6	1.321	33.5	T-887	TR-35	T-888	TR-35-A	TM-20	T-1287	TR-35	T-1288	TR-35-A	TM-70
1.1/2"-8	1.170	29.7	1.145	29.0	1.260	32.0	T-889	TR-34	T-890	TR-34-A	TM-19	T-1289	TR-34	T-1290	TR-34-A	TM-69
-9	1.204	30.5	1.177	29.9	1.294	32.8	T-885	TR-34	T-886	TR-34-A	TM-20	T-1285	TR-34	T-1286	TR-34-A	TM-70
-10	1.232	31.2	1.206	30.6	1.321	33.5	T-887	TR-35	T-888	TR-35-A	TM-20	T-1287	TR-35	T-1288	TR-35-A	TM-70
-11	1.260	32.0	1.235	31.3	1.350	34.2	T-891	TR-36	T-892	TR-36-A	TM-20	T-1291	TR-36	T-1292	TR-36-A	TM-70
-12	1.282	32.5	1.257	31.9	1.372	34.8	T-893	TR-37	T-894	TR-37-A	TM-20	T-1293	TR-37	T-1294	TR-37-A	TM-70
-13	1.310	33.2	1.285	32.6	1.400	35.5	T-895	TR-37	T-896	TR-37-A	TM-21	T-1295	TR-37	T-1296	TR-37-A	TM-71
-14	1.334	33.8	1.285	32.6	1.400	35.5	T-895	TR-37	T-896	TR-37-A	TM-21	T-1295	TR-37	T-1296	TR-37-A	TM-71
-15	1.356	34.4	1.331	33.8	1.446	36.7	T-897	TR-38	T-898	TR-38-A	TM-21	T-1297	TR-37	T-1298	TR-37-A	TM-71
-16	1.370	34.8	1.331	33.8	1.446	36.7	T-897	TR-38	T-898	TR-38-A	TM-21	T-1297	TR-37	T-1298	TR-37-A	TM-71
-17	1.384	35.1	1.331	33.8	1.472	37.3	T-899	TR-38	T-900	TR-38-A	TM-22	T-1299	TR-38	T-1300	TR-38-A	TM-72
-18	1.402	35.6	1.331	33.8	1.472	37.3	T-899	TR-38	T-900	TR-38-A	TM-22	T-1299	TR-38	T-1300	TR-38-A	TM-72
-19	1.416	35.9	1.331	33.8	1.472	37.3	T-899	TR-38	T-900	TR-38-A	TM-22	T-1299	TR-38	T-1300	TR-38-A	TM-72
-20	1.430	36.3	1.331	33.8	1.472	37.3	T-899	TR-38	T-900	TR-38-A	TM-22	T-1299	TR-38	T-1300	TR-38-A	TM-72