

FOR TUBES INTERNAL DIAMETER
From 0.334" (8.4 mm) to 1.430 (36.3 mm)

FEATURES OF "1200" SERIES TUBE EXPANDERS :

- Most popular tool worldwide for use on heat exchangers and condensers.
- with tubes of 1/2"-1.1/2" O.D.
Longer reach Expander available.

Tube Expander Fitted With		Minimum	Maximum
Roller Length		A	B
1.1/2" (38.1mm)	STANDARD REACH	1.1/2" (38.1mm)	6" (152.4 mm)
	"A" REACH	1.1/2" (38.1mm)	8" (203.2 mm)
	"B" REACH	1.1/2" (38.1mm)	10" (253.8 mm)
	"C" REACH	1.1/2" (38.1mm)	12" (304.6" mm)
2.1/4" (57.1mm)	STANDARD REACH	2.1/4" (57.1mm)	6.3/4" (171.4 mm)
	"A" REACH	2.1/4" (57.1mm)	8.3/4" (222.1 mm)
	"B" REACH	2.1/4" (57.1mm)	10.3/4" (272.8 mm)
	"C" REACH	2.1/4" (57.1mm)	12.3/4" (323.6" mm)

TUBE EXPANDERS SPECIFICATION

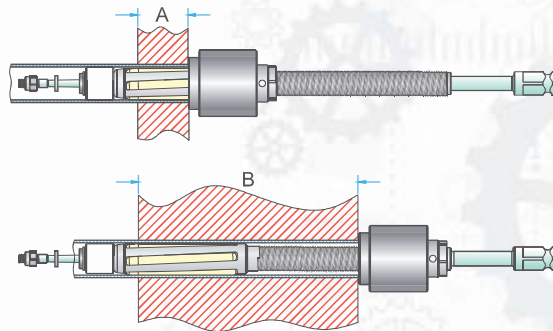
TUBE OD (mm) Inch	Tube Thickness			Tube I.D.		Tube I.D. Tool Enters		Maximum Expansion of Tool		EXPANDER with(38.1 mm) 1.1/2" Long Rollers			EXPANDER with (57.1mm) 2.1/4" Long Rollers		
	BWG	mm	inch	mm	inch	Mm	inch	Mm	inch	Tool No	Mandrel	Roller	Tool No	Mandrel	Roller
	Inch														
12.70 1/2 "	14	2.1	0.083	8.4	0.334	8.2	0.324	9.5	0.374	1197	1197	797	-	-	-
	15	1.82	0.072	9.0	0.356	8.8	0.348	10.1	0.398	1199	1199	R- 1	-	-	-
	16	1.65	0.065	9.4	0.370	9.1	0.360	10.4	0.410	1201	M- 51	R- 1	-	-	-
	17	1.47	0.058	9.7	0.384	9.5	0.374	10.7	0.424	1203	M- 51	R- 2	-	-	-
	18	1.24	0.049	10.2	0.402	9.9	0.392	11.3	0.447	1205	M- 52	R- 3	-	-	-
	20	0.88	0.035	10.9	0.430	10.3	0.406	11.7	0.461	1205 S	M- 53	R- 3	-	-	-
15.88 5/8 "	12	2.76	0.109	10.3	0.407	9.9	0.392	11.3	0.447	1205	M- 52	R- 3	1206	M- 52	R- 3 A
	13	2.41	0.095	11.0	0.435	10.8	0.425	12.1	0.480	1207	M- 53	R- 4	1208	M- 53	R- 4 A
	14	2.11	0.083	11.6	0.459	11.4	0.449	12.9	0.509	1209	M- 54	R- 4	1210	M- 54	R- 4 A
	15	1.82	0.072	12.2	0.481	11.9	0.471	13.6	0.536	1211	M- 55	R- 5	1212	M- 55	R- 5 A
	16	1.65	0.065	12.5	0.495	12.3	0.485	13.9	0.550	1213	M- 55	R- 6	1214	M- 55	R- 6 A
	17	1.47	0.058	12.9	0.509	12.6	0.499	14.3	0.564	1215	M- 56	R- 6	1216	M- 56	R- 6 A
	18	1.24	0.049	13.3	0.527	13.1	0.517	14.5	0.572	1217	M- 57	R- 7	1218	M- 57	R- 7 A
	19	1.06	0.042	13.7	0.541	13.2	0.522	14.7	0.582	1219	M- 56	R- 7	1220	M- 56	R- 7 A
	20	0.88	0.035	14.1	0.555	13.6	0.536	15.1	0.596	1219 S	M- 58	R- 7	1220 S	M- 58	R- 7 A
	21	0.81	0.032	14.2	0.561	13.6	0.536	15.1	0.596	1219 S	M- 58	R- 7	1220 S	M- 58	R- 7 A
	22	0.71	0.028	14.4	0.569	13.6	0.536	15.1	0.596	1219 S	M- 58	R- 7	1220 S	M- 58	R- 7 A
	10	3.40	0.134	12.2	0.482	11.9	0.471	13.6	0.536	1211	M- 55	R- 5	1212	M- 55	R- 5 A
19.05 3/4 "	11	3.04	0.120	12.9	0.510	12.6	0.499	14.3	0.564	1215	M- 56	R- 6	1216	M- 56	R- 6 A
	12	2.76	0.109	13.5	0.532	13.2	0.522	14.7	0.582	1219	M- 56	R- 7	1220	M- 56	R- 7 A
	13	2.41	0.095	14.2	0.560	13.9	0.550	15.6	0.615	1221	M- 58	R- 8	1222	M- 58	R- 8 A
	14	2.10	0.083	14.8	0.584	14.5	0.574	16.2	0.639	1223	M- 58	R- 9	1224	M- 58	R- 9 A
	15	1.82	0.072	15.3	0.606	15.1	0.596	16.7	0.661	1225	M- 58	R- 10	1226	M- 58	R- 10 A
	16	1.65	0.065	15.7	0.620	15.3	0.605	17.4	0.685	1227	M- 59	R- 10	1228	M- 59	R- 10 A
	17	1.47	0.058	16.1	0.634	15.7	0.619	17.7	0.699	1229	M- 59	R- 11	1230	M- 59	R- 11 A
	18	1.24	0.049	16.5	0.652	15.7	0.619	17.7	0.699	1229	M- 59	R- 11	1230	M- 59	R- 11 A
	19	1.06	0.042	16.9	0.666	16.3	0.642	18.3	0.722	1231	M- 59	R- 12	1232	M- 59	R- 12 A
	20	0.88	0.035	17.2	0.680	16.3	0.642	18.3	0.722	1231	M- 59	R- 12	1232	M- 59	R- 12 A
	21	0.81	0.032	17.4	0.686	16.3	0.642	18.3	0.722	1231	M- 59	R- 12	1232	M- 59	R- 12 A
	22	0.71	0.028	17.6	0.694	16.3	0.642	18.3	0.722	1231	M- 59	R- 12	1232	M- 59	R- 12 A
22.22 7/8 "	10	3.40	0.134	15.4	0.607	15.1	0.596	16.7	0.661	1225	M- 58	R- 10	1226	M- 58	R- 10 A
	11	3.04	0.120	16.1	0.635	15.7	0.619	17.7	0.699	1229	M- 59	R- 11	1230	M- 59	R- 11 A
	12	2.76	0.109	16.6	0.657	16.3	0.642	18.3	0.722	1231	M- 59	R- 12	1232	M- 59	R- 12 A
	13	2.41	0.095	17.4	0.685	17.0	0.670	19.0	0.870	1233	M- 60	R- 13	1234	M- 60	R- 13 A
	14	2.11	0.083	18.0	0.709	17.4	0.685	19.6	0.774	1235	M- 61	R- 14	1236	M- 61	R- 14 A
	15	1.82	0.072	18.5	0.731	18.0	0.712	20.3	0.801	1237	M- 61	R- 15	1238	M- 61	R- 15 A
	16	1.65	0.065	18.9	0.745	18.4	0.726	20.7	0.815	1239	M- 62	R- 15	1240	M- 62	R- 15 A
	17	1.47	0.058	19.2	0.879	18.8	0.740	21.0	0.829	1243	M- 62	R- 16	1244	M- 62	R- 16 A
	18	1.24	0.049	19.7	0.777	18.8	0.740	21.0	0.829	1243	M- 62	R- 16	1244	M- 62	R- 16 A

TUBE EXPANDER 1200 SERIES

1200 SERIES

TUBE OD (mm) Inch	Tube Thickness			Tube I.D.		Tube I.D. Tool Enters		Max. Expansion of Tool		EXPANDER with(38.1 mm) 1.1/2" Long Rollers			EXPANDER with (57.1mm) 2.1/4" Long Rollers		
	BWG	mm	inch	mm	inch	Mm	inch	Mm	inch	Tool No	Mandrel	Roller	Tool No	Mandrel	Roller
25.40 1"	8	4.19	0.165	17.0	0.670	16.6	0.655	18.6	0.735	1241	M- 59	R- 13	1242	M- 59	R- 13 A
	9	3.87	0.148	17.8	0.704	17.4	0.685	19.6	0.774	1235	M- 61	R- 14	1236	M- 61	R- 14 A
	10	3.40	0.134	18.5	0.732	18.0	0.712	20.3	0.801	1237	M- 61	R- 15	1238	M- 61	R- 15 A
	11	3.04	0.120	19.3	0.760	18.8	0.740	21.0	0.829	1243	M- 62	R- 16	1244	M- 62	R- 16 A
	12	2.76	0.109	19.8	0.782	19.3	0.763	21.6	0.852	1245	M- 62	R- 17	1246	M- 62	R- 17 A
	13	2.41	0.095	20.5	0.810	20.0	0.791	22.3	0.880	1247	M- 62	R- 18	1248	M- 62	R- 18 A
	14	2.11	0.083	21.1	0.834	20.5	0.810	23.0	0.909	1249	M- 63	R- 18	1250	M- 63	R- 18 A
	15	1.82	0.072	21.7	0.856	21.2	0.837	23.7	0.936	1251	M- 63	R- 19	1252	M- 63	R- 19 A
	16	1.65	0.065	22.1	0.870	21.2	0.837	23.7	0.936	1251	M- 63	R- 19	1252	M- 63	R- 19 A
	17	1.47	0.058	22.4	0.884	21.9	0.865	24.4	0.964	1255	M- 63	R- 21	1256	M- 63	R- 21 A
	18	1.24	0.049	22.9	0.902	21.9	0.865	24.4	0.964	1255	M- 63	R- 21	1256	M- 63	R- 21 A
28.58 1.1/8"	19	1.06	0.042	23.2	0.916	21.9	0.865	24.4	0.964	1255	M- 63	R- 21	1256	M- 63	R- 21 A
	20	0.88	0.035	23.6	0.930	21.9	0.865	24.4	0.964	1255	M- 63	R- 21	1256	M- 63	R- 21 A
	8	4.19	0.165	20.1	0.795	19.7	0.776	22.2	0.887	1253	M- 63	R- 20	1254	M- 63	R- 20 A
	9	3.87	0.148	21.0	0.829	20.5	0.810	23.0	0.909	1249	M- 63	R- 18	1250	M- 63	R- 18 A
	10	3.40	0.134	21.7	0.857	21.2	0.837	23.7	0.936	1251	M- 63	R- 19	1252	M- 63	R- 19 A
	11	3.04	0.120	22.4	0.885	21.9	0.865	24.4	0.964	1255	M- 63	R- 21	1256	M- 63	R- 21 A
	12	2.76	0.109	23.0	0.907	22.4	0.883	24.9	0.982	1257	M- 64	R- 21	1258	M- 64	R- 21 A
	13	2.41	0.095	23.7	0.935	23.2	0.926	25.7	1.025	1259	M- 64	R- 22	1260	M- 64	R- 22 A
	14	2.11	0.083	24.3	0.959	23.7	0.935	26.5	1.044	1261	M- 65	R- 23	1262	M- 65	R- 23 A
	15	1.82	0.072	24.9	0.981	24.4	0.962	27.2	1.071	1263	M- 65	R- 24	1264	M- 65	R- 24 A
	16	1.65	0.065	25.2	0.995	24.4	0.962	27.2	1.071	1263	M- 65	R- 24	1264	M- 65	R- 24 A
31.87 1.1/4 "	17	1.47	0.058	25.6	1.010	25.1	0.990	27.9	1.009	1267	M- 66	R- 26	1268	M- 66	R- 26 A
	18	1.24	0.049	26.0	1.027	25.1	0.990	27.9	1.009	1267	M- 66	R- 26	1268	M- 66	R- 26 A
	8	4.19	0.165	23.3	0.920	22.8	0.901	25.6	1.010	1265	M- 65	R- 25	1266	M- 65	R- 25 A
	9	3.87	0.148	24.2	0.954	23.7	0.935	26.5	1.044	1261	M- 65	R- 23	1262	M- 65	R- 23 A
	10	3.40	0.134	24.9	0.992	24.4	0.962	27.2	1.071	1263	M- 65	R- 24	1264	M- 65	R- 24 A
	11	3.04	0.120	25.6	1.010	25.9	0.990	27.9	1.009	1267	M- 66	R- 26	1268	M- 66	R- 26 A
	12	2.76	0.109	26.2	1.032	25.7	1.013	28.5	1.122	1269	M- 66	R- 27	1270	M- 66	R- 27 A
	13	2.41	0.095	26.9	1.060	26.4	1.039	29.2	1.150	1271	M- 67	R- 28	1272	M- 67	R- 28 A
	14	2.11	0.083	27.5	1.084	26.9	1.060	29.6	1.169	1273	M- 67	R- 29	1274	M- 67	R- 29 A
	15	1.82	0.072	28.0	1.106	27.6	1.087	30.3	1.196	1287	M- 67	R- 30	1276	M- 67	R- 30 A
	16	1.65	0.065	28.4	1.120	27.6	1.087	30.3	1.196	1287	M- 67	R- 30	1276	M- 67	R- 30 A
34.92 1.3/8 "	17	1.47	0.058	28.8	1.134	28.3	1.115	31.0	1.224	1279	M- 68	R- 30	1280	M- 68	R- 30 A
	18	1.24	0.049	29.2	1.152	28.3	1.115	31.0	1.224	1279	M- 68	R- 30	1280	M- 68	R- 30 A
	8	4.19	0.165	26.5	1.045	26.0	1.026	28.8	1.135	1277	M- 67	R- 31	1272	M- 67	R- 31 A
	9	3.87	0.148	27.4	1.079	26.9	1.060	29.6	1.169	1273	M- 67	R- 29	1274	M- 67	R- 29 A
	10	3.40	0.134	28.1	1.107	27.6	1.087	30.3	1.196	1287	M- 67	R- 30	1276	M- 67	R- 30 A
	11	3.04	0.120	28.8	1.135	28.3	1.115	31.0	1.224	1279	M- 68	R- 30	1280	M- 68	R- 30 A
	12	2.76	0.109	29.3	1.157	28.7	1.133	31.5	1.242	1281	M- 68	R- 32	1282	M- 68	R- 32 A
	13	2.41	0.095	30.1	1.185	29.4	1.160	32.3	1.287	1283	M- 69	R- 33	1284	M- 69	R- 33 A
	14	2.11	0.083	30.7	1.209	29.9	1.179	32.8	1.294	1285	M- 70	R- 34	1286	M- 70	R- 34 A
	15	1.82	0.072	31.2	1.231	30.6	1.206	33.5	1.321	1287	M- 70	R- 35	1288	M- 70	R- 35 A
	16	1.65	0.065	31.6	1.245	30.6	1.206	33.5	1.321	1287	M- 70	R- 35	1288	M- 70	R- 35 A
38.10 1.1/2 "	8	4.19	0.165	29.7	1.170	29.0	1.145	32.0	1.260	1289	M- 69	R- 34	1290	M- 69	R- 34 A
	9	3.87	0.148	30.5	1.204	29.9	1.177	32.8	1.294	1285	M- 70	R- 34	1286	M- 70	R- 34 A
	10	3.40	0.134	31.2	1.232	30.6	1.206	33.5	1.321	1287	M- 70	R- 35	1288	M- 70	R- 35 A
	11	3.04	0.120	32.0	1.260	31.3	1.235	34.2	1.350	1291	M- 70	R- 36	1292	M- 70	R- 36 A
	12	2.76	0.109	32.5	1.282	31.9	1.257	34.8	1.372	1293	M- 70	R- 37	1294	M- 70	R- 37 A
	13	2.41	0.095	33.2	1.310	32.6	1.285	35.5	1.400	1295	M- 71	R- 37	1296	M- 71	R- 37 A
	14	2.11	0.083	33.8	1.334	32.6	1.285	35.5	1.400	1295	M- 71	R- 37	1296	M- 71	R- 37 A
	15	1.82	0.072	34.4	1.356	33.8	1.331	36.7	1.446	1297	M- 71	R- 38	1298	M- 71	R- 38 A
	16	1.65	0.065	34.8	1.370	33.8	1.331	36.7	1.446	1297	M- 71	R- 38	1298	M- 71	R- 38 A
	17	1.47	0.058	35.1	1.384	33.8	1.331	37.3	1.472	1299	M- 72	R- 38	1300	M- 72	R- 38 A
	18	1.24	0.049	35.6	1.402	33.8	1.331	37.3	1.472	1299	M- 72	R- 38	1300	M- 72	R- 38 A
38.10 1.1/2 "	19	1.06	0.042	35.9	1.416	33.8	1.331	37.3	1.472	1299	M- 72	R- 38	1300	M- 72	R- 38 A
	20	0.88	0.035	36.3	1.430	33.8	1.331	37.3	1.472	1299	M- 72	R- 38	1300	M- 72	R- 38 A

Model 1197 To 1256 come with 3/8" Sq Drive & Model 1257 To 1300 come with 1/2" Sq Dr Mandrel.



FOR TUBES INTERNAL DIAMETER
From 0.584" (14.8 mm) to 1.430 (36.3 mm)

FEATURES OF "1200-5" SERIES TUBE EXPANDERS :

- Use: highly recommended for use on thin wall tubes (19 thru 22 gauge walls) of Stainless Steel, Titanium, Incoloy and other exotic materials.
- Advantages: Gives a more concentric and even expansion when expanding thin walled tubes vs. a conventional 3 roll expander and reduces tube spring back effect.

Tube Expander Fitted With Roller Length		Minimum A	Maximum B
1.1/2" (38.1mm)	STANDARD REACH	1.1/2" (38.1mm)	6" (152.4 mm)
	"A" REACH	1.1/2" (38.1mm)	8" (203.2 mm)
	"B" REACH	1.1/2" (38.1mm)	10" (253.8 mm)
	"C" REACH	1.1/2" (38.1mm)	12" (304.6" mm)
2.1/4" (57.1mm)	STANDARD REACH	2.1/4" (57.1mm)	6.3/4" (171.4 mm)
	"A" REACH	2.1/4" (57.1mm)	8.3/4" (222.1 mm)
	"B" REACH	2.1/4" (57.1mm)	10.3/4" (272.8 mm)
	"C" REACH	2.1/4" (57.1mm)	12.3/4" (323.6" mm)

TUBE EXPANDERS SPECIFICATION

TUBE OD (mm)	Tube Thickness			Tube I.D.		Tube I.D. Tool Enters		Maximum Expansion of Tool		EXPANDER with (38.10mm) 1.1/2" Long Rollers			EXPANDER with (57.10 mm) 2.1/4" Long Rollers		
	BWG	mm	inch	mm	inch	mm	inch	mm	inch	Tool No	Mandrel	Roller	Tool No	Mandrel	Roller
19.05 3/4 "	14	2.10	0.083	14.8	0.584	14.5	0.574	16.2	0.639	1223 - 5	1224 - 5	R- 6- 5	1224 - 5	1224 - 5	R- 6A - 5
	15	1.82	0.072	15.3	0.606	15.1	0.596	16.7	0.661	1225 - 5	1226 - 5	R- 7- 5	1226 - 5	1226 - 5	R- 7A - 5
	16	1.65	0.065	15.7	0.620	15.3	0.605	17.4	0.685	1227 - 5	M- 63	R- 7- 5	1228 - 5	M- 63	R- 7A - 5
	17	1.47	0.058	16.1	0.634	15.7	0.619	17.7	0.699	1229 - 5	1230 - 5	R- 7- 5	1230 - 5	1230 - 5	R- 7A - 5
	18	1.24	0.049	16.5	0.652	15.7	0.619	17.7	0.699	1229 - 5	1230 - 5	R- 7- 5	1230 - 5	1230 - 5	R- 7A - 5
	19	1.06	0.042	16.9	0.666	16.3	0.642	18.3	0.722	1231 - 5	M- 63	R- 9- 5	1232 - 5	M- 63	R- 9A - 5
	20	0.88	0.035	17.2	0.680	16.3	0.642	18.3	0.722	1231 - 5	M- 63	R- 9- 5	1232 - 5	M- 63	R- 9A - 5
	21	0.81	0.032	17.4	0.686	16.3	0.642	18.3	0.722	1231 - 5	M- 63	R- 9- 5	1232 - 5	M- 63	R- 9A - 5
25.40 1 "	22	0.71	0.028	17.6	0.694	16.3	0.642	18.3	0.722	1231 - 5	M- 63	R- 9- 5	1232 - 5	M- 63	R- 9A - 5
	14	2.1	0.083	21.2	0.835	20.5	0.807	22.3	0.878	1249 - 5	1250 - 5	R- 12- 5	1250 - 5	1250 - 5	R- 12A - 5
	15	1.82	0.072	21.7	0.854	21.3	0.839	23.8	0.937	1251 - 5	1252 - 5	R- 13- 5	1252 - 5	1252 - 5	R- 13A - 5
	16	1.65	0.065	22.0	0.866	21.3	0.839	23.8	0.937	1251 - 5	1252 - 5	R- 13- 5	1252 - 5	1252 - 5	R- 13A - 5
	17	1.47	0.058	22.4	0.882	22.0	0.866	24.5	0.965	1255 - 5	1256 - 5	R- 13- 5	1256 - 5	1256 - 5	R- 13A - 5
	18	1.24	0.049	22.9	0.902	22.0	0.866	24.5	0.965	1255 - 5	1256 - 5	R- 13- 5	1256 - 5	1256 - 5	R- 13A - 5
	19	1.06	0.042	23.2	0.913	22.0	0.866	24.5	0.965	1255 - 5	1256 - 5	R- 13- 5	1256 - 5	1256 - 5	R- 13A - 5
	20	0.88	0.035	23.6	0.929	22.0	0.866	24.5	0.965	1255 - 5	1256 - 5	R- 13- 5	1256 - 5	1256 - 5	R- 13A - 5
28.58 1.1/8 "	21	0.81	0.032	23.8	0.937	22.4	0.882	24.9	0.982	1257 - 5	M- 71*	R- 15- 5	1258 - 5	M- 71*	R- 15A - 5
	22	0.71	0.028	24.0	0.945	22.4	0.882	24.9	0.982	1257 - 5	M- 71*	R- 15- 5	1258 - 5	M- 71*	R- 15A - 5
	12	2.76	0.109	23.0	0.907	22.4	0.883	24.9	0.982	1257 - 5	M- 71*	R- 15- 5	1258 - 5	M- 71*	R- 15A - 5
	15	1.82	0.072	24.9	0.981	24.4	0.962	27.2	1.071	1263 - 5	1263 - 5	R- 18- 5	-	-	-
38.10 1.1/2 "	16	1.65	0.065	25.2	0.995	24.4	0.962	27.2	1.071	1263 - 5	1263 - 5	R- 18- 5	-	-	-
	17	1.47	0.058	35.1	1.396	33.8	1.341	37.3	1.472	1299 - 5	1299 - 5	R- 29- 5	1300 - 5	1299 - 5	R- 29A - 5
	18	1.24	0.049	35.6	1.416	33.8	1.341	37.3	1.472	1299 - 5	1299 - 5	R- 29- 5	1300 - 5	1299 - 5	R- 29A - 5
	19	1.06	0.042	36.0	1.431	33.8	1.341	37.3	1.472	1299 - 5	1299 - 5	R- 29- 5	1300 - 5	1299 - 5	R- 29A - 5
	20	0.89	0.035	36.3	1.443	33.8	1.341	37.3	1.472	1299 - 5	1299 - 5	R- 29- 5	1300 - 5	1299 - 5	R- 29A - 5

Note: * Mandrel Come with 3/8" Square Mandrel Drive.

Model 1215-5 to 1258-5 expanders come with 3/8" Square Mandrel Drive and

Model 1259-5 to 1300-5 expanders come with 1/2" Square Mandrel Drive.