



FOR TUBES INTERNAL DIAMETER
FROM (8.4 mm) .334" TO (36.3 mm) 1.43"

TUBE EXPANDER FITTED WITH ROLLER LENGTH	FOR TUBE SHEET ADJUSTABLE RANGE	
	MINIMUM A	MAXIMUM B
(38.1mm) 1.1/2"	(12.7mm) 1/2"	(38.1mm) 1.1/2"
(57.1mm) 2.1/4"	(31.7mm) 1.1/4"	(57.1mm) 2.1/4"

□ Model 797-856 have 3/8" square mandrel drives
Model 857-900 have 1/2" square mandrel drives

Tube O.D mm inch	Tube Thickness			Tube I. D.		Minimum I.D. Tool Enters		Maximum Expansion of Tool		EXPANDER with (38.10 mm) 1.1/2" Long Rollers			EXPANDER with (57.15 mm) 2.1/4" Long Rollers		
	bwg	mm	inch	mm	inch	mm	inch	mm	inch	Complete Tool No.	Mandrel No.	Rollers Set No.	Complete Tool No.	Mandrel No.	Rollers Set No.
(12.70) 1/2	14	2.10	.083	8.4	.334	8.4	.324	9.5	.374	797	797	797	-	-	-
	15	1.82	.072	9.0	.356	8.8	.348	10.1	.398	799	799	R-1	-	-	-
	16	1.65	.065	9.4	.370	9.1	.360	10.4	.410	801	M-1	R-1	-	-	-
	17	1.47	.058	9.7	.384	9.5	.374	10.7	.424	803	M-1	R-2	-	-	-
	18	1.24	.049	10.2	.402	9.9	.392	11.3	.447	805	M-2	R-3	-	-	-
(15.88) 5/8	20	0.88	.035	10.9	.430	10.3	.406	11.7	.461	805 S	M-3	R-3	-	-	-
	12	2.76	.109	10.3	.407	9.9	.392	11.3	.447	805	M-2	R-3	-	-	-
	13	2.41	.095	11.0	.435	10.8	.425	12.1	.480	807	M-3	R-4	-	-	-
	14	2.10	.083	11.6	.459	11.4	.449	12.9	.509	809	M-4	R-4	810	M-4	R-4-A
	15	1.82	.072	12.2	.481	11.9	.471	13.6	.536	811	M-5	R-5	812	M-5	R-5-A
	16	1.65	.065	12.5	.495	12.3	.485	13.9	.550	813	M-5	R-6	814	M-5	R-6-A
	17	1.47	.058	12.9	.509	12.6	.499	14.3	.564	815	M-6	R-6	816	M-6	R-6-A
	18	1.24	.049	13.3	.527	13.1	.517	14.5	.572	817	M-7	R-7	818	M-7	R-7-A
	19	1.06	.042	13.7	.541	13.2	.522	14.7	.582	819	M-6	R-7	820	M-6	R-7-A
	20	0.88	.035	14.1	.555	13.6	.536	15.1	.596	819 S	M-8	R-7	820 S	M-8	R-7-A
(19.05) 3/4	21	0.81	.032	14.2	.561	13.6	.536	15.1	.596	819 S	M-8	R-7	820 S	M-8	R-7-A
	22	0.71	.028	14.4	.569	13.6	.536	15.1	.596	819 S	M-8	R-7	820 S	M-8	R-7-A
	10	3.40	.134	12.2	.482	11.9	.471	13.6	.536	811	M-5	R-5	812	M-5	R-5-A
	11	3.04	.120	12.9	.510	12.6	.499	14.3	.564	815	M-6	R-6	816	M-6	R-6-A
	12	2.76	.109	13.5	.532	13.2	.522	14.7	.582	819	M-6	R-7	820	M-6	R-7-A
	13	2.41	.095	14.2	.560	13.9	.550	15.6	.615	821	M-8	R-8	822	M-8	R-8-A
	14	2.10	.083	14.8	.584	14.5	.574	16.2	.639	823	M-8	R-9	824	M-8	R-9-A
	15	1.82	.072	15.3	.606	15.1	.596	16.7	.661	825	M-8	R-10	826	M-8	R-10-A
	16	1.65	.065	15.7	.620	15.3	.605	17.4	.685	827	M-9	R-10	828	M-9	R-10-A
	17	1.47	.058	16.1	.634	15.7	.619	17.7	.699	829	M-9	R-11	830	M-9	R-11-A
(22.22) 7/8	18	1.24	.049	16.5	.652	15.7	.619	17.7	.699	829	M-9	R-11	830	M-9	R-11-A
	19	1.06	.042	16.9	.666	16.3	.642	18.3	.722	831	M-9	R-12	832	M-9	R-12-A
	20	0.88	.035	17.2	.680	16.3	.642	18.3	.722	831	M-9	R-12	832	M-9	R-12-A
	21	0.81	.032	17.4	.686	16.3	.642	18.3	.722	831	M-9	R-12	832	M-9	R-12-A
	22	0.71	.028	17.6	.694	16.3	.642	18.3	.722	831	M-9	R-12	832	M-9	R-12-A
	10	3.40	.134	15.4	.607	15.1	.596	16.7	.661	825	M-8	R-10	826	M-8	R-10-A
	11	3.04	.120	16.1	.635	15.7	.619	17.7	.699	829	M-9	R-11	830	M-9	R-11-A
	12	2.76	.109	16.6	.657	16.3	.642	18.3	.722	831	M-9	R-12	832	M-9	R-12-A
	13	2.41	.095	17.4	.685	17.0	.670	19.0	.750	833	M-10	R-13	834	M-10	R-13-A
	14	2.10	.083	18.0	.709	17.4	.685	19.6	.774	835	M-11	R-14	836	M-11	R-14-A
15	1.82	.072	18.5	.731	18.0	.712	20.3	.801	837	M-11	R-15	838	M-11	R-15-A	
16	1.65	.065	18.9	.745	18.4	.726	20.7	.815	839	M-12	R-15	840	M-12	R-15-A	
17	1.47	.058	19.2	.759	18.8	.740	21.0	.829	843	M-12	R-16	844	M-12	R-16-A	
18	1.24	.049	19.7	.777	18.8	.740	21.0	.829	843	M-12	R-16	844	M-12	R-16-A	

Features :

- This expander is a workhorse in its category.
- Due to its superior performance it is most economical and widely used tool throughout world.
- Covers all the major tube sizes for heat exchanges and condensers.
- Recommended for expansion length from 12 mm to 50 mm.

Tube O.D mm inch	Tube Thickness			Tube I. D.		Minimum I.D. Tool Enters		Maximum Expansion of Tool		EXPANDER with (38.10 mm) 1.1/2" Long Rollers			EXPANDER with (57.15 mm) 1.1/2" Long Rollers			
	bwg	mm	inch	mm	inch	mm	inch	mm	inch	Complete Tool No.	Mandrel No.	Rollers Set No.	Complete Tool No.	Mandrel No.	Rollers Set No.	
(25.40)	1	8	4.19	.165	17.0	.670	16.6	.665	18.6	.735	841	M-9	R-13	842	M-9	R-13-A
		9	3.75	.148	17.8	.704	17.4	.685	19.6	.774	835	M-11	R-14	836	M-11	R-14-A
		10	3.40	.134	18.5	.732	18.0	.712	20.3	.801	837	M-11	R-15	838	M-11	R-15-A
		11	3.04	.120	19.3	.760	18.8	.740	21.0	.829	843	M-12	R-16	844	M-12	R-16-A
		12	2.76	.109	19.8	.782	19.3	.763	21.6	.852	845	M-12	R-17	846	M-12	R-17-A
		13	2.41	.095	20.5	.810	20.0	.791	22.3	.880	847	M-12	R-18	848	M-12	R-18-A
		14	2.10	.083	21.1	.834	20.5	.810	23.0	.909	849	M-13	R-18	850	M-13	R-18-A
		15	1.82	.072	21.7	.856	21.2	.837	23.7	.936	851	M-13	R-19	852	M-13	R-19-A
		16	1.65	.065	22.1	.870	21.2	.837	23.7	.936	851	M-13	R-19	852	M-13	R-19-A
		17	1.47	.058	22.4	.884	21.9	.865	24.4	.964	855	M-13	R-21	856	M-13	R-21-A
(29.58)	1.1/8	8	4.19	.165	20.1	.795	19.7	.776	22.2	.875	853	M-13	R-20	854	M-13	R-20-A
		9	3.75	.148	21.0	.829	20.5	.810	23.0	.909	849	M-13	R-18	850	M-13	R-18-A
		10	3.40	.134	21.7	.857	21.2	.837	23.7	.936	851	M-13	R-19	852	M-13	R-19-A
		11	3.04	.120	22.4	.885	21.9	.865	24.4	.964	855	M-13	R-21	856	M-13	R-21-A
		12	2.76	.109	23.0	.907	22.4	.883	24.9	.982	857	M-14	R-21	858	M-14	R-21-A
		13	2.41	.095	23.7	.935	23.2	.916	25.7	1.015	859	M-14	R-22	860	M-14	R-22-A
		14	2.10	.083	24.3	.959	23.7	.935	26.5	1.044	861	M-15	R-23	862	M-15	R-23-A
		15	1.82	.072	24.9	.981	24.4	.962	27.2	1.071	863	M-15	R-24	864	M-15	R-24-A
		16	1.65	.065	25.2	.995	24.4	.962	27.2	1.071	863	M-15	R-24	864	M-15	R-24-A
		17	1.47	.058	25.6	1.010	25.1	.990	27.9	1.009	867	M-16	R-26	868	M-16	R-26-A
(31.75)	1.1/4	8	4.19	.165	23.3	.920	22.8	.901	25.6	1.010	865	M-15	R-25	866	M-15	R-25-A
		9	3.75	.148	24.2	.954	23.7	.935	26.5	1.044	861	M-15	R-23	862	M-15	R-23-A
		10	3.40	.134	24.9	.982	24.4	.962	27.2	1.071	863	M-15	R-24	864	M-15	R-24-A
		11	3.04	.120	25.6	1.010	25.1	.990	27.9	1.099	867	M-16	R-26	868	M-16	R-26-A
		12	2.76	.109	26.2	1.032	25.7	1.013	28.5	1.122	869	M-16	R-27	870	M-16	R-27-A
		13	2.41	.095	26.9	1.060	26.4	1.039	29.2	1.150	871	M-17	R-28	872	M-17	R-28-A
		14	2.10	.083	27.5	1.084	26.9	1.060	29.6	1.169	873	M-17	R-29	874	M-17	R-29-A
		15	1.82	.072	28.0	1.106	27.6	1.087	30.3	1.196	875	M-17	R-30	876	M-17	R-30-A
		16	1.65	.065	28.4	1.120	27.6	1.087	30.3	1.196	875	M-17	R-30	876	M-17	R-30-A
		17	1.47	.058	28.8	1.134	28.3	1.115	31.0	1.224	879	M-18	R-30	880	M-18	R-30-A
(34.92)	1.3/8	8	4.19	.165	26.5	1.045	26.0	1.026	28.8	1.135	877	M-17	R-31	878	M-17	R-31-A
		9	3.75	.148	27.4	1.079	26.9	1.060	29.6	1.169	873	M-17	R-29	874	M-17	R-29-A
		10	3.40	.134	28.1	1.107	27.6	1.087	30.3	1.196	875	M-17	R-30	876	M-17	R-30-A
		11	3.04	.120	28.8	1.135	28.3	1.115	31.0	1.224	879	M-18	R-30	880	M-18	R-30-A
		12	2.76	.109	29.3	1.157	28.7	1.133	31.5	1.242	881	M-18	R-32	882	M-18	R-32-A
		13	2.41	.095	30.1	1.185	29.4	1.160	32.3	1.275	883	M-19	R-33	884	M-19	R-33-A
		14	2.10	.083	30.7	1.209	29.9	1.179	32.8	1.294	885	M-20	R-34	886	M-20	R-34-A
		15	1.82	.072	31.2	1.231	30.6	1.206	33.5	1.321	887	M-20	R-35	888	M-20	R-35-A
		16	1.65	.065	31.6	1.245	30.6	1.206	33.5	1.321	887	M-20	R-35	888	M-20	R-35-A
		(38.10)	1.1/2	8	4.19	.165	29.7	1.170	29.0	1.145	32.0	1.260	889	M-19	R-34	890
9	3.75			.148	30.5	1.204	29.9	1.177	32.8	1.294	885	M-20	R-34	886	M-20	R-34-A
10	3.40			.134	31.2	1.232	30.6	1.206	33.5	1.321	887	M-20	R-35	888	M-20	R-35-A
11	3.04			.120	32.0	1.260	31.3	1.235	34.2	1.350	891	M-20	R-36	892	M-20	R-36-A
12	2.76			.109	32.5	1.282	31.9	1.257	34.8	1.372	893	M-20	R-37	894	M-20	R-37-A
13	2.41			.095	33.2	1.310	32.6	1.285	35.5	1.400	895	M-21	R-37	896	M-21	R-37-A
14	2.10			.083	33.8	1.334	32.6	1.285	35.5	1.400	895	M-21	R-37	896	M-21	R-37-A
15	1.82			.072	34.4	1.356	33.8	1.331	36.7	1.446	897	M-21	R-38	898	M-21	R-38-A
16	1.65			.065	34.8	1.370	33.8	1.331	36.7	1.446	897	M-21	R-38	898	M-21	R-38-A
17	1.47			.058	35.1	1.384	33.8	1.331	37.3	1.472	899	M-22	R-38	900	M-22	R-38-A
(38.10)	1.1/2	18	1.24	.049	35.6	1.402	33.8	1.331	37.3	1.472	899	M-22	R-38	900	M-22	R-38-A
		19	1.06	.042	35.9	1.416	33.8	1.331	37.3	1.472	899	M-22	R-38	900	M-22	R-38-A
		20	0.88	.035	36.3	1.430	33.8	1.331	37.3	1.472	899	M-22	R-38	900	M-22	R-38-A