



## CH-800 Five Roll Tube End Expanders

For Condensers and Heat Exchangers

Tube Size I.D. 0.5" - 1.374" (  $\varnothing_{\text{indv.}}$  12.67 - 34.9 mm)



Tube O.D. and G.A.	Min I.D. Tube Tool Enters		Max Tool Expansion		Size Square on Mandrel	Expander with 1 1/2" (38.1 mm) Rolls		Expander with 2 1/4" (57.1 mm) Rolls		Mandrel No.
	Inch	mm	Inch	mm		Expander No	Roll Set No	Expander No	Roll Set No	
5/8"-17-19	.499	12.67	.578	14.69	3/8"	CH-815-5	TR-4-5	CH-816-5	TR-4-A-5-	MT-9
5/8"-20-22	.539	13.70	.601	15.27	3/8"	CH-819-sp-5	TR-4-5	CH-820-sp-5	TR-4-A-5	MT-11
5/8"-23-24	.550	13.97	.627	15.93	3/8"	CH-821	TR-5-5	CH-822-5	TR-5-A-5A	MT-12
3/4"13-14	.550	13.97	.627	15.93	3/8"	CH-821-5	TR-5-5	CH-822-5	TR-5-A-5	MT-12
3/4"15-16	.596	15.14	.688	17.21	3/8"	CH-827-5	TR-8-5	CH-828-5	TR-8-A-5	MT-12
3/4"17-18	.619	15.72	.706	17.94	3/8"	CH-829-5	TR-8-5	CH-830-5	TR-8-A-5	MT-13
3/4"19-21	.642	16.31	.730	18.56	3/8"	CH-831-5	TR-9-5	CH-832-5	TR-9-A-5	MT-13
3/4"22-24	.670	17.02	.750	19.05	1/2"	CH-833-5	TR-9-5	CH-834-5	TR-9-A-5	MT-14
7/8"-13	.670	17.02	.750	19.05	1/2"	CH-833-5	TR-9-5	CH-834-5	TR-9-A-5	MT-14
7/8"-14	.685	17.40	.770	19.56	1/2"	CH-835-5	TR-10-5	CH-836-5	TR-10-A-5	MT-14
7/8"-15-16	.712	18.08	.807	20.50	1/2"	CH-837-5	TR-11-5	CH-838-5	TR-11-A-5	MT-16
7/8"-17-18	.740	18.80	.826	20.98	1/2"	CH-843-5	TR-11-5	CH-844-5	TR-11-A-5	MT-17
7/8"-19-22	.763	19.38	.848	21.65	1/2"	CH-845-5	TR-12-5	CH-846-5	TR-12-A-5	MT-17
7/8"-23-24	.791	20.09	.892	22.65	1/2"	CH-847-5	TR-13-5	CH-848-5	TR-13-A-5	MT-18
1"- 12	.763	19.38	.848	21.65	1/2"	CH-845-5	TR-12-5	CH-846-5	TR-12-A-5	MT-17
1"-13	.791	20.09	.892	22.65	1/2"	CH-847-5	TR-13-5	CH-848-5	TR-13-A5	MT-18
1"-14	.810	20.57	.904	22.97	1/2"	CH-849-5	TR-14-5	CH-850-5	TR-14-A-5	MT-18
1"-15-16	.837	21.26	.933	23.69	1/2"	CH-851-5	TR-15-5	CH-852-5	TR-15-A-5	MT-18
1"-17-20	.865	21.97	.971	24.67	1/2"	CH-855-5	TR-15-5	CH-856-5	TR-15-A-5	MT-20
1"-21-24	.833	22.43	.999	25.38	1/2"	CH-857-5	TR-15-5	CH-858-5	TR-15-A-5	MT-21
1 1/8"-11	.865	21.97	.971	24.67	1/2"	CH-855-5	TR-15-5	CH-856-5	TR-15-A-5	MT-20
1 1/8"-12	.883	22.43	.999	25.38	1/2"	CH-857-5	TR-15-5	CH-858-5	TR-15-A-5	MT-21
1 1/8"-13-14	.916	23.57	1.013	25.74	1/2"	CH-859-5	TR-16-5	CH-860-5	TR-16-A-5	MT-21
1 1/8"-15-16	.962	24.43	1.064	27.02	1/2"	CH-863-5	TR-18-5	CH-864-5	TR-18-A-5	MT-21
1 1/8"-17-20	.990	25.15	1.091	27.72	1/2"	CH-867-5	TR-19-5	CH-868-5	TR-19-A-5	MT-21
1 1/8"-21-24	1.013	25.73	1.118	28.40	1/2"	CH-869-5	TR-21-5	CH-870-5	TR-21-A-5	MT-21
1 1/4"-10	.962	24.43	1.064	27.02	1/2"	CH-863-5	TR-18-5	CH-864-5	TR-18-A-5	MT-21
1 1/4"- 11	.990	25.15	1.091	27.72	1/2"	CH-867-5	TR-19-5	CH-868-5	TR-19-A-5	MT-21
1 1/4"-12	1.013	25.73	1.118	28.40	1/2 "	CH-869-5	TR-21-5	CH-870-5	TR-21-A-5	MT-21
1 1/4"-15-16	1.087	27.61	1.204	30.58	1/2"	CH-875-5	TR-21-5	CH-876-5	TR-21-A-5	MT-22

1 ¼"-17-22	1.115	28.32	1.259	31.98	1/2"	CH-879-5	TR-23-5	CH-880-5	TR-23-A-5	MT-22
1 ¼"-23-25	1.133	28.78	1.285	32.64	1/2"	CH-881-5	TR-24-5	CH-882-5	TR-24-A-5	MT-22
1 3/8"-12	1.133	28.78	1.285	32.64	1/2"	CH-881-5	TR-24-5	CH-882-5	TR-24-A-5	MT-22
1 3/8"-14	1.179	29.95	1.294	32.88	1/2"	CH-885-5	TR-23-5	CH-886-5	TR-23-A-5	MT-23
1 ½"-12	1.257	31.93	1.375	34.92	1/2"	CH-893-5	TR-26-5	CH-894-5	TR-26-A-5	MT-24
1 ½"-14-24	1.374	34.90	1.505	38.22	1/2"	CH-899-5	TR-29-5	CH-899-RL-5	TR-29-A-5	MT-25

