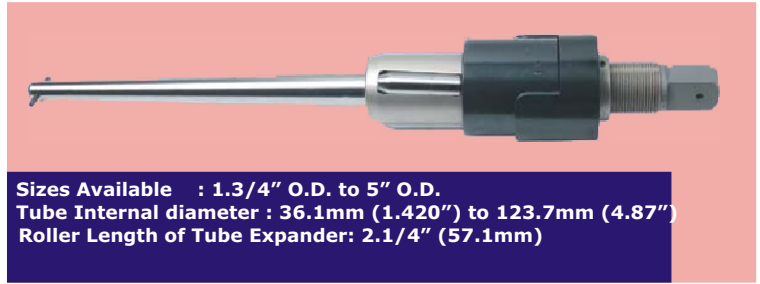
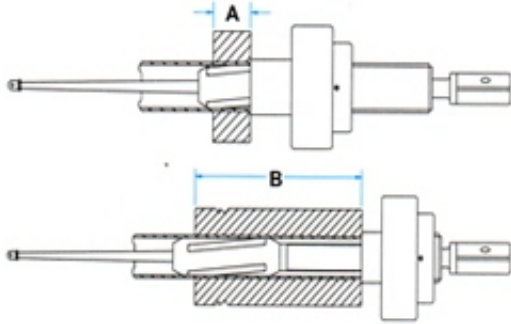


# CONDENSER TUBE EXPANDER

## ✦ B8012-Series Tube O. D. 1.3/4" - 5"

### FEATURES:

- Use -This is recommended to expand tubes in air heaters boilers , & refinery still tubes. Can be used to expand thick tube sheets (Upto 8")
- Advantages: It gives a more concentric and even expansion when expanding thin walled tubes vs conventional 3 roller tube expander and reduces tube spring back effect.



Sizes Available : 1.3/4" O.D. to 5" O.D.  
 Tube Internal diameter : 36.1mm (1.420") to 123.7mm (4.87")  
 Roller Length of Tube Expander: 2.1/4" (57.1mm)

For Tube Internal Diameter  
 From (36.1mm) 1.420" to (123.7mm) 4.870"

TUBE EXPANDERS FITTED WITH ROLLER LENGTH		FOR TUBE SHEET ADJUSTABLE RANGE	
		MINIMUM A	MAXIMUM B
2.1/4" (57.1mm)	STD. REACH	(12.7mm) 1/2"	(101.4mm) 4"
	-6" REACH	(12.7mm) 1/2"	(152.4mm) 6"
	-8" REACH	(12.7mm) 1/2"	(203.2mm) 8"

Tube O.D. (Mm) inch	Tube Thickness		Tube I. D.		Minimum I. D. Tool Enters		Maximum Expansion of Tool		EXPANDER with (57.15 mm) 2.1/4" Long Rollers Complete			
	Bwg	Inch	Mm	Inch	Mm	Inch	Mm	Inch	Mm	Tool No.	Roller Set No.	Mandrel No.
(44.45) 1.3/4	8	.165	4.19	1.420	36.1	1.368	34.7	1.550	39.3	B8012-1.3/4-8	R-33-A	M-90
	10	.134	3.40	1.482	37.6	1.420	36.0	1.607	40.8	B8012-1.3/4-10	R-37-A	M-90
	11	.120	3.04	1.510	38.3	1.454	36.9	1.635	41.5	B8012-1.3/4-11	R-42	M-90
	12	.19	2.76	1.532	38.9	1.482	37.6	1.657	42.0	B8012-1.3/4-12	R-44	M-90
	13	.095	2.41	1.560	39.6	1.510	38.3	1.685	42.7	B8012-1.3/4-13	R-46	M-90
	14	.083	2.10	1.584	40.2	1.532	38.9	1.709	43.4	B8012-1.3/4-14	R-48	M-90
(50.80) 2	8	.165	4.19	1.670	42.4	1.595	40.5	1.795	45.6	B8012-2-8	R-48	M-91
	10	.134	3.40	1.732	43.9	1.640	41.6	1.857	47.1	B8012-2-10	R-50	M-91
	11	.120	3.04	1.760	44.7	1.670	42.4	1.885	47.8	B8012-2-11	R-52	M-91
	12	.109	2.76	1.782	45.2	1.704	43.2	1.907	48.4	B8012-2-12	R-54	M-91
	13	.095	2.41	1.810	45.9	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-91
	14	.083	2.10	1.834	46.5	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-91
	15	.072	1.83	1.856	47.1	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-91
	16	.065	1.65	1.870	47.4	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-91
	17	.058	1.47	1.884	47.9	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-92
18	.049	1.24	1.902	48.3	1.732	43.9	1.956	49.6	B8012-2-13-18	R-56	M-92	
(57.15) 2.1/4	10	.134	3.40	1.982	50.3	1.890	48.0	2.107	53.5	B8012-2.1/4-10	R-56	M-92
	11	.120	3.04	2.010	51.0	1.920	48.7	2.135	54.2	B8012-2.1/4-11	R-58	M-92
	12	.109	2.76	2.032	51.6	1.954	49.6	2.157	54.7	B8012-2.1/4-12	R-60	M-92
	13	.095	2.41	2.060	52.3	1.982	50.3	2.185	55.4	B8012-2.1/4-13-16	R-62	M-92
	14	.083	2.10	2.084	52.9	1.982	50.3	2.185	55.4	B8012-2.1/4-13-16	R-62	M-92
	15	.072	1.83	2.106	53.4	1.982	50.3	2.185	55.4	B8012-2.1/4-13-16	R-62	M-92
(63.50) 2.1/2	10	.134	3.40	2.232	56.6	2.140	54.3	2.407	61.1	B8012-2.1/2-10-12	R-64	M-93
	11	.120	3.04	2.260	57.4	2.140	54.3	2.407	61.1	B8012-2.1/2-10-12	R-64	M-93
	12	.109	2.76	2.282	57.9	2.140	54.3	2.407	61.1	B8012-2.1/2-10-12	R-64	M-93
	13	.095	2.41	2.310	58.6	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94
	14	.083	2.10	2.334	59.2	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94
	15	.072	1.83	2.356	59.8	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94
	16	.065	1.65	2.370	60.1	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94
	17	.058	1.47	2.384	60.6	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94
	18	.049	1.24	2.402	61.0	2.232	56.6	2.450	62.2	B8012-2.1/2-13-18	R-64	M-94

# CONDENSER TUBE EXPANDER



**B8012-Series**

**Tube O. D.  
1.3/4" - 5"**

Tube O.D. (Mm) inch	Tube Thickness			Tube I. D.		Minimum I. D. Tool Enters		Maximum Expansion of Tool		EXPANDER with (57.15 mm) 2.1/4" Long Rollers		
	Bwg	Inch	Mm	Inch	Mm	Inch	Mm	Inch	Mm	Complete Tool No.	Roller Set No.	Mandrel No.
(69.85)  2.3/4	10	.134	3.40	2.482	63.0	2.390	60.7	2.702	68.6	B8012-2.3/4-10-16	R-66	M-96
	11	.120	3.04	2.510	63.7	2.390	60.7	2.702	68.6	B8012-2.3/4-10-16	R-66	M-96
	12	.109	2.76	2.532	64.3	2.390	60.7	2.702	68.8	B8012-2.3/4-10-16	R-66	M-96
	13	.095	2.41	2.560	65.0	2.390	60.7	2.702	68.6	B8012-2.3/4-10-16	R-66	M-96
	14	.083	2.10	2.584	65.6	2.390	60.7	2.702	68.8	B8012-2.3/4-10-16	R-66	M-96
	15	.072	1.82	2.606	66.1	2.390	60.7	2.702	68.8	B8012-2.3/4-10-16	R-66	M-96
	16	.065	1.65	2.620	66.5	2.390	60.7	2.702	68.8	B8012-2.3/4-10-16	R-66	M-96
(76.20)  3	8	.165	4.19	2.670	67.8	2.560	65.0	2.829	71.8	B8012-3-8-9	R-67	M-97
	9	.148	3.75	2.704	68.6	2.560	65.0	2.829	71.8	B8012-3-8-9	R-67	M-97
	10	.134	3.40	2.732	69.3	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	11	.120	3.04	2.760	70.1	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	12	.109	2.76	2.782	70.6	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	13	.095	2.41	2.810	71.3	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	14	.083	2.10	2.834	71.9	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	15	.072	1.82	2.856	72.5	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	16	.065	1.65	2.870	72.8	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
	17	.058	1.47	2.884	73.3	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96
18	.049	1.24	2.902	73.7	2.640	67.0	2.952	74.9	B8012-3-10-18	R-67	M-96	
(88.9)  3.1/2	13	.095	2.41	3.311	84.1	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
	14	.083	2.10	3.334	84.7	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
	15	.072	1.83	3.354	85.2	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
	16	.065	1.65	3.370	85.6	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
	17	.058	1.47	3.385	86.0	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
	18	.049	1.24	3.401	86.4	3.190	81.0	3.464	88.0	B8012-3.1/2-10-18	R-70	M-99
(101.6)  4	3	.259	6.60	3.480	88.4	3.425	87.0	3.780	96.0	B8012-4-3-4	R-71	M-100
	4	.236	6.00	3.527	89.6	3.425	87.0	3.780	96.0	B8012-4-3-4	R-71	M-100
	8	.165	4.19	3.670	93.2	3.582	91.0	3.940	100.0	B8012-4-8-9	R-71	M-101
	9	.148	3.75	3.704	94.1	3.582	91.0	3.940	100.0	B8012-4-8-9	R-71	M-101
	10	.134	3.40	3.732	94.8	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
	11	.120	3.04	3.760	95.5	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
	12	.109	2.76	3.783	96.1	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
	13	.095	2.41	3.811	96.8	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
	14	.083	2.10	3.834	97.4	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
	16	.065	1.65	3.870	98.3	3.661	93.0	3.960	100.6	B8012-4-10-18	R-72	M-101
(114.3)  4.1/2	3	.259	6.60	3.980	101.1	3.940	100.0	4.291	109.0	B8012-4.1/2-3-4	R-73	M-102
	4	.236	6.00	4.030	102.3	3.940	100.0	4.291	109.0	B8012-4.1/2-3-4	R-73	M-102
	8	.165	4.19	4.170	105.9	4.020	102.0	4.370	111.0	B8012-4.1/2-8-9	R-73	M-102
	9	.148	3.75	4.204	106.8	4.020	102.0	4.370	111.0	B8012-4.1/2-8-9	R-74	M-102
	10	.134	3.40	4.232	107.5	4.100	104.0	4.450	113.0	B8012-4.1/210-18	R-74	M-103
	11	.109	2.76	4.283	108.8	4.100	104.0	4.450	113.0	B8012-4.1/210-18	R-74	M-103
16	.065	1.65	4.370	111.0	4.100	104.0	4.450	113.0	B8012-4.1/210-18	R-74	M-103	
(127.0)  5	3	.259	6.60	4.480	113.8	4.410	112.0	3.780	121.0	B8012-5-3-4	R-76	M-105
	4	.236	6.00	4.527	115.0	4.410	112.0	3.780	121.0	B8012-5-3-4	R-76	M-105
	8	.165	4.19	4.670	118.6	4.566	116.0	3.940	125.0	B8012-5-8-9	R-77	M-105
	9	.148	3.75	4.704	119.5	4.566	116.0	3.940	125.0	B8012-5-8-9	R-77	M-105
	10	.134	3.40	4.732	120.2	4.606	117.0	3.960	126.0	B8012-5-10-18	R-78	M-105
	11	.120	3.04	4.763	121.0	4.606	117.0	3.960	126.0	B8012-5-10-18	R-78	M-105
	12	.109	2.76	4.783	121.5	4.606	117.0	3.960	126.0	B8012-5-10-18	R-78	M-105
	14	.083	2.10	4.834	122.8	4.606	117.0	3.960	126.0	B8012-5-10-18	R-78	M-105
	16	.065	1.65	4.870	123.7	4.606	117.0	3.960	126.0	B8012-5-10-18	R-78	M-105