

# BOILER TUBE EXPANDER



TUBE TOOLS

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

## LONG REACH 'BCSB' SERIES

PARALLEL -5 PLAIN ROLLERS

### FEATURES:

- '5-Roll' Design is used primarily for rolling thin walled tubes used in sugar mill pan, juice heaters etc.
- '5-Roll' gives a more concentric, uniform expansion vs a 3 roll expander in thin tubes & reduces spring back action
- Time tested, durable design.
- Use - For **BOTTOM** plate tube expansion in pan, juice heaters in sugar mills .



TUBE SIZE			MIN. I.D. TUBE TOOL ENTERS	MAX. EXPANSION OF TOOL		TUBE SHEET THICKNESS 'T'		DEPTH MTRS	MANDREL SQ.	OAL	WEIGHT IN KGS	TUBE EXPANDER MODEL NUMBER	SPARE MANDREL MODEL NUMBER	SPARE ROLLERS SET NUMBER
O.D. inch	THK. GA.	THK. inch		Mm	Inch	Mm	Inch							
<b>CSB-5 (3 ROLLERS)</b>														
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	1.7	2.0	3/4	2.258	10.00	BCSB-5STD	BCSBM-5STD	BCSBR-5	
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	2.0	2.3	3/4	2.558	11.24	BCSB-5A	BCSBM-5A	BCSBR-5	
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	2.3	2.3	3/4	2.858	12.48	BCSB-5B	BCSBM-5B	BCSBR-5	
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	2.6	2.9	3/4	3.158	13.72	BCSB-5C	BCSBM-5C	BCSBR-5	
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	2.9	3.2	3/4	3.458	14.96	BCSB-5D	BCSBM-5D	BCSBR-5	
1.3/4	15&16	(.072 &.065)	39.8 (1.566)	45.3 (1.783)	32.0 (1.259)	3.2	3.5	3/4	3.758	16.20	BCSB-5E	BCSBM-5E	BCSBR-5	
<b>CSB-9 (5 ROLLERS)</b>														
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	1.7	2.0	3/4	2.241	16.2	BCSB-9STD	BCSBM-9STD	BCSBR-9	
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	2.0	2.3	3/4	2.541	18.3	BCSB-9A	BCSBM-9A	BCSBR-9	
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	2.3	2.3	3/4	2.841	20.4	BCSB-9B	BCSBM-9B	BCSBR-9	
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	2.6	2.9	3/4	3.141	22.5	BCSB-9C	BCSBM-9C	BCSBR-9	
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	2.9	3.2	3/4	3.441	24.6	BCSB-9D	BCSBM-9D	BCSBR-9	
2	14-16	(.083 -.065)	46.2 (1.818)	50.8 (2.000)	32.0 (1.259)	3.2	3.5	3/4	3.741	26.7	BCSB-9E	BCSBM-9E	BCSBR-9	
<b>CSB-24 (5 ROLLERS)</b>														
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	0.7	1.0	1	1.416	23.7	BCSB-24STD	BCSBM-24STD	BCSBR-24	
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	1.0	1.3	1	1.716	29.4	BCSB-24A	BCSBM-24A	BCSBR-24	
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	1.3	1.6	1	2.016	35.5	BCSB-24B	BCSBM-24B	BCSBR-24	
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	1.6	1.9	1	2.316	40.8	BCSB-24C	BCSBM-24C	BCSBR-24	
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	1.9	2.2	1	2.616	46.5	BCSB-24D	BCSBM-24D	BCSBR-24	
4	12-18	(.109 -.049)	90.5 (3.563)	102.4 (4.031)	32.0 (1.259)	2.2	2.5	1	2.916	52.5	BCSB-24E	BCSBM-24E	BCSBR-24	