

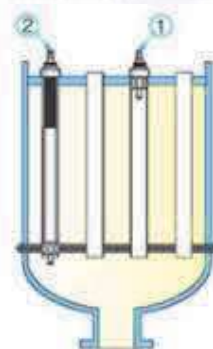


Features :-

- This tool is commonly used for expanding the tubes in the top plates of juice Heater, Pan, etc,
- This 5 Roller design is for expansion of thin walled tubes of Juice Heater, Pan, etc. in the sugar mill.
- This 5 Roller design gives you concentric & uniform expansion of thin walled tubes.

TUBE EXPANDERS SPECIFICATION

Tube O.D	Gauge	Minimum I.D.	Max. Exp.	Expander			Spare Roll Set Model			Mandrel Model	SQ. Drive
				Tube Sheet Thickness (mm)							
				31.75	38.1	50.8					
1.1/2	11-12	31.0	33.2	SB-00A	SB-00B	SB-00C	SBR-1A	SBR-1B	SBR-1C	SBM-1	1/2"
1.1/2	13-14	32.5	36.0	SB-0A	SB-0B	SB-0C	SBR-2A	SBR-2B	SBR-2C	SBM-2	1/2"
1.1/2	15-16	33.5	37.2	SB-1A	SB-1B	SB-1C	SBR-3A	SBR-3B	SBR-3C	SBM-2	1/2"
1.3/4	9-10	35.2	39.1	SB-2A	SB-2B	SB-2C	SBR-3A	SBR-3B	SBR-3C	SBM-3	3/4"
1.3/4	11-12	36.5	40.5	SB-3A	SB-3B	SB-3C	SBR-4A	SBR-4B	SBR-4C	SBM-3	3/4"
1.3/4	13-14	38.1	42.7	SB-4A	SB-4B	SB-4C	SBR-5A	SBR-5B	SBR-5C	SBM-3	3/4"
1.3/4	15-16	39.1	44.2	SB-5A	SB-5B	SB-5C	SBR-4A	SBR-4B	SBR-4C	SBM-4	3/4"
2	7-8	41.3	46.7	SB-6A	SB-6B	SB-6C	SBR-5A	SBR-5B	SBR-5C	SBM-4	3/4"
2	9-10	42.8	48.3	SB-7A	SB-7B	SB-7C	SBR-6A	SBR-6B	SBR-6C	SBM-4	3/4"
2	11-13	44.4	49.7	SB-8A	SB-8B	SB-8C	SBR-6A	SBR-6B	SBR-6C	SBM-5	3/4"
2	14-16	46.0	52.2	SB-9A	SB-9B	SB-9C	SBR-7A	SBR-7B	SBR-7C	SBM-5	3/4"
2.1/4	9-10	47.6	53.8	SB-10A	SB-10B	SB-10C	SBR-8A	SBR-8B	SBR-8C	SBM-5	3/4"
2.1/4	11-13	49.2	55.4	SB-11A	SB-11B	SB-11C	SBR-9A	SBR-9B	SBR-9C	SBM-5	3/4"
2.1/4	14-16	50.7	57.8	SB-12A	SB-12B	SB-12C	SBR-8A	SBR-8B	SBR-8C	SBM-6	3/4"
2.1/2	9-10	54.9	61.0	SB-13A	SB-13B	SB-13C	SBR-10A	SBR-10B	SBR-10C	SBM-6	3/4"
2.1/2	14-16	57.1	65.6	SB-14A	SB-14B	SB-14C	SBR-11A	SBR-11B	SBR-11C	SBM-7	1"
2.3/4	10-14	60.3	68.8	SB-15A	SB-15B	SB-15C	SBR-12A	SBR-12B	SBR-12C	SBM-7	1"
3	7-9	63.5	72.0	SB-16A	SB-16B	SB-16C	SBR-13A	SBR-13B	SBR-13C	SBM-7	1"
3	10-14	66.5	75.0	SB-17A	SB-17B	SB-17C	SBR-14A	SBR-14B	SBR-14C	SBM-7	1"
3.1/4	7-8	69.8	78.5	SB-18A	SB-18B	SB-18C	SBR-14A	SBR-14B	SBR-14C	SBM-8	1"
3.1/2	4-5	73.0	81.7	SB-19A	SB-19B	SB-19C	SBR-15A	SBR-15B	SBR-15C	SBM-8	1"
3.1/2	6-8	76.1	85.8	SB-20A	SB-20B	SB-20C	SBR-16A	SBR-16B	SBR-16C	SBM-9	1"
3.3/4	4-5	79.3	89.0	SB-21A	SB-21B	SB-21C	SBR-17A	SBR-17B	SBR-17C	SBM-9	1"
3.3/4	6-8	82.5	92.2	SB-22A	SB-22B	SB-22C	SBR-18A	SBR-18B	SBR-18C	SBM-9	1"
4	3-4	85.7	96.2	SB-23A	SB-23B	SB-23C	SBR-18A	SBR-18B	SBR-18C	SBM-10	1"
4	10-16	90.3	100.8	SB-24A	SB-24B	SB-24C	SBR-19A	SBR-19B	SBR-19C	SBM-10	1"
4.1/4	6-8	94.9	105.2	SB-25A	SB-25B	SB-25C	SBR-20A	SBR-20B	SBR-20C	SBM-11	1"
4.1/2	4-7	89.7	110.9	SB-26A	SB-26B	SB-26C	SBR-21A	SBR-21B	SBR-21C	SBM-11	1"
4.1/2	8-10	104.3	113.1	SB-27A	SB-27B	SB-27C	SBR-21A	SBR-21B	SBR-21C	SBM-12	1"



Features:-

- This tool is commonly used for expanding the tubes in the bottom plates of juice Heater, Pan, etc,
- This 5 Roller design is for expansion of thin walled tubes of Juice Heater, Pan, etc. in the sugar mill.
- This 5 Roller design gives you concentric & uniform expansion of thin walled tubes.

TUBE EXPANDERS SPECIFICATION

Tube O.D	Tube Thickness		Minimum I.D.		Max. Exp.		Tube Sheet Thick. (mm)	Depth (Mtrs.)		Expander	Roll Set Model	Mandrel Model	SQ. Drive
	BWG	inch	mm	inch	mm	inch		MIN	MAX				
CSB – 5 (3 ROLLER)													
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	1.7	2.0	CSB - 5STD	CSBR -5	CSBM -5STD	3/4
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	2.0	2.3	CSB -5A	CSBR -5	CSBM -5A	3/4
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	2.3	2.6	CSB -5B	CSBR -5	CSBM -5B	3/4
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	2.6	2.9	CSB -5C	CSBR -5	CSBM -5C	3/4
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	2.9	3.2	CSB -5D	CSBR -5	CSBM -5D	3/4
1.3/4	15-16	.072/.065	39.80	1.566	45.30	1.783	31.75	3.2	3.5	CSB -5E	CSBR -5	CSBM -5E	3/4
CSB – 9 (5 ROLLER)													
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	1.7	2.0	CSB - 9STD	CSBR -9	CSBM -9STD	3/4
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	2.0	2.3	CSB -9A	CSBR -9	CSBM -9A	3/4
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	2.3	2.6	CSB -9B	CSBR -9	CSBM -9B	3/4
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	2.6	2.9	CSB -9C	CSBR -9	CSBM -9C	3/4
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	2.9	3.2	CSB -9D	CSBR -9	CSBM -9D	3/4
2	14-16	.072/.065	46.20	1.818	50.80	2.000	31.75	3.2	3.5	CSB -9E	CSBR -9	CSBM -9E	3/4
CSB – 24 (5 ROLLER)													
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	0.7	1.0	CSB - 24STD	CSBR -24	CSBM -24STD	1
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	1.0	1.3	CSB -24A	CSBR -24	CSBM -24A	1
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	1.3	1.6	CSB -24B	CSBR -24	CSBM -24B	1
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	1.6	1.9	CSB -24C	CSBR -24	CSBM -24C	1
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	1.9	2.2	CSB -24D	CSBR -24	CSBM -24D	1
4	12-18	.072/.065	90.50	3.563	102.40	4.031	31.75	2.2	2.5	CSB -24E	CSBR -24	CSBM -24E	1