

Push Type Internal Tube Cutter

TATP Series



- Push type Internal Tube Cutter cuts Ferrous or Non-Ferrous tubes of the Condensers, Heat-Exchangers
- This internal tube cutter can be operated with a Electrical or Pneumatic drill machine
- **To operate this tool -**
- 01) Insert the tool in the tube which is to be cut.
- 02) Adjust the thrust collar as per the cutting length required then gradually press the Electric or Pneumatic drive which is attached to the tool.
- 03) The cutting bit cuts the tube within few seconds
- The cutting bit can be replaced easily

Tube O.D.	Tube Gauge (BWG)	Tube Cutter Model No. (Std. Reach)	Spare Cutting Bit Model No.
5/8"	14 - 22	TATP-625	TATP-625-SB
3/4"	14 - 22	TATP-750	TATP-750-SB
7/8"	14 - 22	TATP-875	TATP-875-SB
1"	12 - 22	TATP-1000	TATP-1000-SB
1.1/4"	12 - 22	TATP-1250	TATP-1250-SB
1.1/2"	12 - 22	TATP-1500	TATP-1500-SB

- Standard adjustment reach is 4". The tools are available in the increments of 2" upto 10"
- Every tool comes with the complete set of Pilots to cover the entire range of tube thickness for that particular tube O.D

Note: When ordering Spare Cutting Bits, please specify whether ordering for Non Ferrous, Ferrous or Stainless Tubes. Cutter Bits for these 3 types of tubes are different. Please refer to operation manual for parts list and detailed features.

Internal Tube Cutter - TB68 Series

- TB-68 Tube Cutters are ideal for cutting thick walled boiler tubes of 2" O.D. and higher
- The Internal Tube Cutter TB-68 is driven using the square in a clockwise direction using either an electric, pneumatic or hydraulic driving machine
- TB-68 type tube cutters are available in standard reach of 4" (100 mm). Additional reaches in increments of 4" are available up to 16" (400 mm)



Size	Tool Model Number	Spare Bit Model Number	Tube I.D. Range		Max. Tube O.D.		Body Diameter		Drive Square Male
			mm	inch	mm	inch	mm	inch	
095	0680951	1680951	10 - 12	.394 - .472	15	.591	9.5	374	1/2"
105	0681051		11 - 13	.433 - .512	18	.709	10.5	413	
115	0681151	1681151	12 - 14	.472 - .551	19	.748	11.5	453	
125	0681251	1681251	13 - 15	.519 - .591	20	.787	12.5	492	
135	0681351		14 - 17	.551 - .669	23	.906	13.5	531	
155	0681551		16 - 19	.630 - .748	25	.984	15.5	610	
175	0681751	1681751	18 - 21	.709 - .827	27	1.063	17.5	689	
195	0681951	1681951	20 - 25	.787 - .984	34	1.339	19.5	768	
245	0682451	1682451	25 - 30	.984 - 1.181	38	1.496	24.5	965	
290	0682901	1682901	30 - 35	1.181 - 1.378	43	1.693	29	1.142	
330	0683301		35 - 40	1.378 - 1.575	48	1.890	33	1.299	3/4"
380	0683801		40 - 50	1.575 - 1.969	58	2.126	38	1.496	
480	0684801	1684801	50 - 60	1.969 - 2.362	68	2.677	48	1.890	
530	0685301		55 - 65	2.165 - 2.559	73	2.874	53	2.087	
630	0686301		65 - 75	2.559 - 2.953	83	3.268	63	2.480	
730	0687301	1687301	75 - 85	2.953 - 3.346	93	3.661	73	2.874	
830	0688301		85 - 95	3.346 - 3.740	103	4.055	83	3.268	
930	0689301		95 - 105	3.740 - 4.134	113	4.449	93	3.661	

Note: Refer to operation manual for detailed features and parts list.

One Turn Cutter

- The tool cuts the Non-Ferrous & Thin Walled Ferrous Tube in one turn alone
- This is a hand operated tool which is used with a ratchet handle
- The cutting bit of this tool is eccentrically positioned due to which while entering in the tube, the tool bit remains in a closed position but as the tool rotates in clockwise direction using a ratchet handle, it comes out & contacts with the I.D. of the tube. As rotating is continued it pierces the tube wall & shears the tube along the circumference
- This tool is fitted with an adjustable collar to achieve the required cutting length.

Tools Bit



Tube O.D.		Gauge	Tube I.D. Range (mm)	Tool Model No.	Spare Tool Bit Model No.
Inch	mm				
5/8"	15.87	14	11.40 - 11.90	TOTC - 625 - 14	TOTC - 625 - TB
		15 - 16	12.00 - 12.90	TOTC - 625 - 16	
		17 - 18	12.70 - 13.50	TOTC - 625 - 18	
		19 - 20	13.50 - 14.21	TOTC - 625 - 20	
		22	14.00 - 14.70	TOTC - 625 - 22	
3/4"	19.05	14 - 15	14.70 - 15.50	TOTC - 750 - 14	TOTC - 750 - TB
		16	15.20 - 16.00	TOTC - 750 - 16	
		17 - 18	15.90 - 16.50	TOTC - 750 - 18	
		19 - 20	16.70 - 17.50	TOTC - 750 - 20	
7/8"	22.22	14 - 15	17.80 - 18.50	TOTC - 875 - 14	TOTC - 875 - TB
		16 - 17	18.80 - 19.50	TOTC - 875 - 16	
		18	19.30 - 20.00	TOTC - 875 - 18	
		19 - 20	19.80 - 20.60	TOTC - 875 - 20	
1"	25.4	14	20.80 - 21.60	TOTC - 1000 - 14	TOTC - 1000 - TB
		15	21.30 - 22.10	TOTC - 1000 - 15	
		16 - 17	22.10 - 22.60	TOTC - 1000 - 16	
		18 - 20	22.60 - 23.90	TOTC - 1000 - 18	
		22	23.90 - 24.60	TOTC - 1000 - 20	
1.1/4"	31.75	12	25.90 - 26.70	TOTC - 1250 - 12	TOTC - 1250 - TB
		13 - 14	26.70 - 27.40	TOTC - 1250 - 14	
		15 - 16	27.90 - 28.70	TOTC - 1250 - 16	
		17 - 19	28.70 - 29.60	TOTC - 1250 - 18	
1.1/2"	38.10	12 - 13	32.5 - 33.30	TOTC - 1500 - 12	TOTC - 1500 - TB
		14 - 15	33.80 - 34.50	TOTC - 1250 - 14	
		16 - 17	34.50 - 35.30	TOTC - 1250 - 16	
2"	50.80	12 - 13	45.00 - 46.00	TOTC - 2000 - 12	TOTC - 2000 - TB
		14 - 15	46.20 - 47.20	TOTC - 2000 - 14	
		16 - 17	47.20 - 48.20	TOTC - 2000 - 16	
		18 - 19	48.00 - 49.00	TOTC - 2000 - 18	
2.1/2"	63.50	12 - 13	57.60 - 58.60	TOTC - 2500 - 12	TOTC - 2500 - TB
		14 - 15	58.90 - 60.00	TOTC - 2500 - 14	
		16 - 17	60.00 - 61.00	TOTC - 2500 - 16	
		18 - 19	60.70 - 61.70	TOTC - 2500 - 18	

Standard adjustment reach is 6". The tools are available in the increments of 2" upto 12".