

## ORTC - One Revolution Tube Cutter

Tools designed for cutting both ferrous and non-ferrous tubes commonly found in heat exchangers, boilers and condensers. Standard tool length is adjustable from 1"-6" (25-155 mm). Longer reach tools are available in 10" (254 mm) increments. The tool is designed to be used with a hand or ratchet wrench only. Impact wrenches should never be used with these tools. The Cutting of the tube is based on the eccentric principle, where the cutter bit moves out to the tube wall as the cutter is rotated. Continued clockwise rotation will puncture and cut the tube in one revolution. Simply rotating the tool counterclockwise closes the bit and the tool can be removed from the tube.



### ORTCC - ONE REVOLUTION TUBE CUTTER VERSION C

One Revolution Tube Cutter version C is used for piercing heavy wall, carbon steel tubes for ventilation prior to plugging the leaky tubes. Delivered in two length version 6" and 12".

TUBE OD		TUBE GAUGE	TUBE ID				TOOL NO.	TOOL BIT
[INCH]	[MM]		[MM]		[INCH]			
		[BWG]	MIN	MAX	MIN	MAX		
1/2	12,70	18-19	10,20	10,70	0,402	0,421	ORTCC-100	N-625-4
		20	11,00	11,30	0,433	0,445	ORTCC-108	N-625-4
5/8	15,88	14	11,40	11,90	0,449	0,469	ORTCC-113	N-625-3
		15-16	12,00	12,90	0,472	0,508	ORTCC-119	N-625-3
		17-18	12,70	13,50	0,500	0,531	ORTCC-123	N-625-2
		19-20	13,50	14,20	0,531	0,559	ORTCC-131	N-625-2
		22	14,00	14,70	0,551	0,579	ORTCC-139	N-750-2
3/4	19,05	14-15	14,70	15,50	0,579	0,610	ORTCC-145	N-750-2
		16	15,20	16,50	0,598	0,650	ORTCC-151	N-750-2
		17-18	15,90	16,50	0,626	0,650	ORTCC-153	N-750-2
		19-20	16,70	17,50	0,657	0,689	ORTCC-163	N-1000-1
7/8	22,23	14-15	17,80	18,50	0,701	0,728	ORTCC-174	N-1000-1
		16-17	18,80	19,50	0,740	0,768	ORTCC-184	N-1000-1
		18	19,30	20,00	0,760	0,787	ORTCC-190	N-1000-1
		19-20	19,80	20,60	0,780	0,811	ORTCC-193	N-1000-2
1	25,40	12	19,80	20,60	0,780	0,811	ORTCC-193	N-1000-2
		14	20,80	21,60	0,819	0,850	ORTCC-205	N-1000-2
1	25,40	15	21,30	22,10	0,839	0,870	ORTC-210	N-1000-2
		16-17	21,80	22,60	0,858	0,890	ORTC-215	N-1000-2
		18-20	22,60	23,10	0,890	0,909	ORTC-223	N-1000-2
		22	23,90	24,60	0,941	0,969	ORTC-232	N-1000-2
1-1/4	31,75	10-11	24,90	25,60	0,980	1,008	ORTC-245	N-1000-2
		12	25,90	26,70	1,020	1,051	ORTC-255	N-1000-2
		13-14	26,70	27,40	1,051	1,079	ORTC-264	N-1000-2
		15-16	27,90	28,70	1,098	1,130	ORTC-274	N-1000-2
		17-19	28,70	29,60	1,130	1,165	ORTC-283	N-1000-2

TUBE OD		TUBE GAUGE	TUBE ID				TOOL NO.	TOOL BIT
[INCH]	[MM]		[MM]		[INCH]			
		[BWG]	MIN	MAX	MIN	MAX		
1-1/2	38,10	10-11	31,30	32,10	1,232	1,264	ORTC-309	N-1500-1
		12-13	32,50	33,30	1,280	1,311	ORTC-320	N-1500-1
		14-15	33,80	34,50	1,331	1,358	ORTC-333	N-1500-1
		16-17	34,50	35,30	1,358	1,390	ORTC-339	N-1500-1
		18-19	35,30	36,10	1,390	1,421	ORTC-350	N-1500-1
1-3/4	44,45	10-11	37,00	38,50	1,457	1,516	ORTC-369	N-1500-1
		12-14	38,80	40,30	1,528	1,587	ORTC-383	N-1500-1
		15-16	40,80	41,20	1,606	1,622	ORTC-403	N-1500-1
		17-18	41,30	42,00	1,626	1,654	ORTC-410	N-1500-1
2	50,80	10	44,00	44,00	1,732	1,732	ORTC-435	N-1500-1
		11	44,70	44,70	1,760	1,760	ORTC-442	N-1500-1
		12-13	45,00	46,00	1,772	1,811	ORTC-447	N-1500-1
		14-15	46,20	48,20	1,819	1,898	ORTC-457	N-1500-1
		16-17	47,20	48,20	1,858	1,898	ORTC-468	N-1500-1
2-1/4	57,15	18-19	48,00	49,00	1,890	1,929	ORTC-476	N-1500-1
		10	50,30	50,30	1,980	1,980	ORTC-497	N-2250-1
		11	51,00	51,00	2,008	2,008	ORTC-505	N-2250-1
		12-13	51,60	52,30	2,031	2,059	ORTC-511	N-2250-1
		14-15	52,90	53,50	2,083	2,106	ORTC-524	N-2250-1
2-1/2	63,50	16-17	53,80	54,80	2,118	2,157	ORTC-533	N-2250-1
		18-19	54,60	55,60	2,150	2,189	ORTC-541	N-2250-1
		10	56,70	56,70	2,232	2,232	ORTC-562	N-2250-1
		11	57,40	57,40	2,260	2,260	ORTC-569	N-2250-1
		12-13	57,60	58,60	2,268	2,307	ORTC-572	N-2250-1
2-1/2	63,50	14-15	58,90	60,00	2,319	2,362	ORTC-585	N-2250-1
		16-17	60,00	61,00	2,362	2,402	ORTC-586	N-2250-1
		18-19	60,70	61,70	2,390	2,429	ORTC-602	N-2250-1