

# INTERNAL TUBE CUTTERS

## ONE REVOLUTION CUTTER



- ▶ The One Revolution type cutter is suitable for cutting steel and non-ferrous tubes used in condensers, heat exchangers and boilers.
- ▶ The tool is adjustable to tube sheet thickness from 2" to 6" (50.8mm – 152.4mm), extended tools are available on request.
- ▶ The tool is designed for hand operation using either a ratchet or hand wrench. It is not suitable for use with a power tool.
- ▶ The tool operates by turning the tool clockwise, this brings the cutter tip into contact with the inside of the tube, the tip punctures the tube and locks in position to cut through the tube as it turns.

Tube OD.	Tube Gauge	Tube ID Range	Tool Number	Cutter Bit	
12.7 mm	1/2"	18 - 19 g	10.2 – 10.7 mm	<b>ORTC – 100</b>	N – 625 – 4
12.7 mm	1/2"	20 g	11.0 – 11.3 mm	<b>ORTC – 108</b>	N – 625 – 4
15.8 mm	5/8"	14 g	11.4 – 11.9 mm	<b>ORTC – 113</b>	N – 625 – 3
15.8 mm	5/8"	15 - 16 g	12.0 – 12.9 mm	<b>ORTC – 119</b>	N – 625 – 3
15.8 mm	5/8"	17 - 18 g	12.7 – 13.5 mm	<b>ORTC – 123</b>	N – 625 – 2
15.8 mm	5/8"	19 - 20 g	13.5 – 14.2 mm	<b>ORTC – 131</b>	N – 625 – 2
15.8 mm	5/8"	22 g	14.0 – 14.7 mm	<b>ORTC - 139</b>	N – 750 - 2
19 mm	3/4"	14 - 15 g	14.7 – 15.5 mm	<b>ORTC – 145</b>	N – 750 – 2
19 mm	3/4"	16 g	15.2 – 16.5 mm	<b>ORTC – 151</b>	N – 750 – 2
19 mm	3/4"	17 - 18 g	15.9 – 16.5 mm	<b>ORTC – 153</b>	N – 750 – 2
19 mm	3/4"	19 - 20 g	16.7 – 17.5 mm	<b>ORTC – 163</b>	N – 1000 – 1
22.2 mm	7/8"	14 - 15 g	17.8 – 18.5 mm	<b>ORTC – 174</b>	N – 1000 – 1
22.2 mm	7/8"	16 - 17 g	18.8 – 19.5 mm	<b>ORTC – 184</b>	N – 1000 – 1
22.2 mm	7/8"	18 g	19.3 – 20.0 mm	<b>ORTC – 190</b>	N – 1000 – 1
22.2 mm	7/8"	19 - 20 g	19.8 – 20.6 mm	<b>ORTC – 193</b>	N – 1000 – 2
25.4 mm	1"	12 g	19.8 – 20.6 mm	<b>ORTC – 193</b>	N – 1000 – 2
25.4 mm	1"	13 g	20.8 – 21.6 mm	<b>ORTC – 205</b>	N – 1000 – 2
25.4 mm	1"	14 g	21.3 – 22.1 mm	<b>ORTC – 210</b>	N – 1000 – 2
25.4 mm	1"	16 - 17 g	21.8 – 22.6 mm	<b>ORTC – 215</b>	N – 1000 – 2
25.4 mm	1"	18 - 20 g	22.6 – 23.1 mm	<b>ORTC – 223</b>	N – 1000 – 2
25.4 mm	1"	22 g	23.9 – 24.6 mm	<b>ORTC – 232</b>	N – 1000 – 2

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Tube OD.		Tube Gauge	Tube ID Cover	Tool Number	Cutter Bit
31.75 mm	1 ¼"	10 - 11 g	24.9 – 25.6 mm	<b>ORTC – 245</b>	N – 1000 – 2
31.75 mm	1 ¼"	12 g	25.9 – 26.7 mm	<b>ORTC – 255</b>	N – 1000 – 2
31.75 mm	1 ¼"	13 - 14 g	26.7 – 27.4 mm	<b>ORTC – 264</b>	N – 1000 – 2
31.75 mm	1 ¼"	15 - 16 g	27.9 – 28.7 mm	<b>ORTC – 274</b>	N – 1000 – 2
31.75 mm	1 ¼"	17 - 19 g	28.7 – 29.6 mm	<b>ORTC – 283</b>	N – 1000 – 2
38.1 mm	1 ½"	10 – 11 g	31.3 – 32.1 mm	<b>ORTC – 309</b>	N – 1500 – 1
38.1 mm	1 ½"	12 - 13 g	32.5 – 33.3 mm	<b>ORTC – 320</b>	N – 1500 – 1
38.1 mm	1 ½"	14 - 15 g	33.8 – 34.5 mm	<b>ORTC – 333</b>	N – 1500 – 1
38.1 mm	1 ½"	16 - 17 g	34.5 – 35.3 mm	<b>ORTC – 339</b>	N – 1500 – 1
38.1 mm	1 ½"	18 - 19 g	35.3 – 36.1mm	<b>ORTC – 350</b>	N – 1500 – 1
44.45 mm	1 ¾"	10 - 11 g	37.0 – 38.5 mm	<b>ORTC – 369</b>	N – 1500 – 1
44.45 mm	1 ¾"	12 - 14 g	38.8 – 40.3 mm	<b>ORTC – 383</b>	N – 1500 – 1
44.45 mm	1 ¾"	15 - 16 g	40.8 – 41.2 mm	<b>ORTC – 403</b>	N – 1500 – 1
44.45 mm	1 ¾"	17 - 18 g	41.3 – 42.0 mm	<b>ORTC – 410</b>	N – 1500 – 1
50.8 mm	2"	10 g	44.0 mm	<b>ORTC – 435</b>	N – 1500 – 1
50.8 mm	2"	11 g	51.0 mm	<b>ORTC – 442</b>	N – 1500 – 1
50.8 mm	2"	12 – 13 g	45.0 – 46.0 mm	<b>ORTC – 447</b>	N – 1500 – 1
50.8 mm	2"	14 - 15 g	46.2 – 48.2 mm	<b>ORTC – 457</b>	N – 1500 – 1
50.8 mm	2"	16 – 17 g	47.2 – 48.2 mm	<b>ORTC – 468</b>	N – 1500 – 1
50.8 mm	2"	18 – 19 g	48.0 – 49.0 mm	<b>ORTC – 476</b>	N – 1500 – 1
57.15 mm	2 ¼"	10 g	50.3 mm	<b>ORTC – 497</b>	N – 2250 – 1
57.15 mm	2 ¼"	11 g	51.0 mm	<b>ORTC – 505</b>	N – 2250 – 1
57.15 mm	2 ¼"	12 - 13 g	51.6 – 52.3 mm	<b>ORTC – 511</b>	N – 2250 – 1
57.15 mm	2 ¼"	14 - 15 g	52.9 – 53.5 mm	<b>ORTC – 524</b>	N – 2250 – 1
57.15 mm	2 ¼"	16 - 17 g	53.8 – 54.8 mm	<b>ORTC – 533</b>	N – 2250 – 1
57.15 mm	2 ¼"	18 - 19 g	54.6 – 55.6 mm	<b>ORTC – 541</b>	N – 2250 – 1
63.5 mm	2 ½"	10 g	56.7 mm	<b>ORTC – 562</b>	N – 2250 – 1
63.5 mm	2 ½"	11 g	57.4 mm	<b>ORTC – 569</b>	N – 2250 – 1
63.5 mm	2 ½"	12 - 13 g	57.6 – 58.6 mm	<b>ORTC – 572</b>	N – 2250 – 1
63.5 mm	2 ½"	14 - 15 g	58.9 – 60.0 mm	<b>ORTC – 585</b>	N – 2250 – 1
63.5 mm	2 ½"	16 - 17 g	60.0 – 61.0 mm	<b>ORTC – 588</b>	N – 2250 – 1
63.5 mm	2 ½"	18 - 19 g	60.7 – 61.7 mm	<b>ORTC – 602</b>	N – 2250 – 1

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