

# MiniCut Tools

## MiniCut 100 for heat exchangers

MiniCut 100 is recommended for use in cutting alloy and ferrous tubing up to 1-1/4" O.D. Heavy wall tubing up to 10 BWG can be cut quickly and efficiently. Tool uses one cutting bit to cut any material tubes. The MiniCut 100 tool is equipped with star wheel feed for smooth, positive power transmission to the cutting bit. Tool is available as electric version. MiniCut 100E covers the same tube sizes and comes with the same cutting head.



| CUTTING RANGE   |            | POWER  |       | FREE SPEED |        | TORQUE     |        |
|-----------------|------------|--------|-------|------------|--------|------------|--------|
| Up to 1-1/4" OD |            | 1,3 Hp |       | 100 Rpm    |        | 105 Ft.Lbs |        |
| Up to 31,7 mm   |            |        |       |            |        | 140 Nm     |        |
| AIR USE         |            | WIDTH  |       | HEIGHT     |        | WEIGHT     |        |
| 55 cfm          | 1,3 m³/min | 2,32"  | 59 mm | 13,1"      | 335 mm | 9 Lbs      | 4,5 kg |

## MiniCut 300 for condenser and chillers

The MiniCut 300 is recommended for use in cutting tubes within condensers, chillers and similar vessels with non-ferrous tubes. Tool uses one cutting bit, can cut 1" x 16 BWG brass tubes in just a few seconds. This machine is equipped with lever feed handle as standard. Tool is available as electric version. MiniCut 300E covers the same tube sizes and comes with the same cutting head.



| CUTTING RANGE |            | POWER  |       | FREE SPEED |        | TORQUE    |        |
|---------------|------------|--------|-------|------------|--------|-----------|--------|
| Up to 1" OD   |            | 1,3 Hp |       | 300 Rpm    |        | 18 Ft.Lbs |        |
| Up to 25,4 mm |            |        |       |            |        | 24 Nm     |        |
| AIR USE       |            | WIDTH  |       | HEIGHT     |        | WEIGHT    |        |
| 55 cfm        | 1,3 m³/min | 2,32"  | 59 mm | 13,1"      | 335 mm | 9 Lbs     | 4,5 kg |

### MINICUT 100 E

Tool is driven by electric motor made by Makita with 3 stage planetary gear box made by KRAIS and has variable speed control. Is interchangeable with pneumatic drive and can be purchased separately at any time.  
Free Speed.....120 RPM  
Power.....750 W  
Torque.....360 Nm (266 Ft.Lbs)  
Feed Stroke .....25 mm (1")



### MINICUT 300 E

Tool is driven by electric motor made by Makita with 3 stage planetary gear box made by KRAIS and has variable speed control. Is interchangeable with pneumatic drive and can be purchased separately at any time.  
Free Speed.....300 RPM  
Power.....750 W  
Torque.....122 Nm (92 Ft.Lbs)  
Feed Stroke .....25 mm (1")



# MiniCut Tools

## MiniCut 101/AF with automatic feed

MiniCut 101/AF tube cutting machine with Automatic Feed. Alloy and ferrous tubes up to 1-1/4" with heavy wall up to 10 BWG can be cut quickly, consistently efficiently and effortlessly within 15-40 second depending on diameter and wall thickness. The MiniCut 101/AF tool is equipped with pneumatic/hydraulic automatic feed for positive power transmission to the cutting bit.

| CUTTING RANGE   |            | POWER                   | FREE SPEED | TORQUE            |           |         |
|-----------------|------------|-------------------------|------------|-------------------|-----------|---------|
| Up to 1-1/4" OD |            | 1,3 Hp                  | 100 Rpm    | 105 Ft.Lbs        |           |         |
| Up to 31,7 mm   |            |                         |            | 140 Nm            |           |         |
| AIR USE         |            | DIMENSIONS              |            | WEIGHT            |           |         |
| 55 cfm          | 1,3 m³/min | 2,44" x 14,96" x 21,25" |            | 62 x 380 x 540 mm | 25,35 Lbs | 11,5 kg |



### MINICUT 101/AF-RB OPTION



The most convenient version can be delivered with reaction bar with two locking shafts. The reaction bar is universal and allows to precise tool alignment to the tubes pitch. Dim: 250 x 330 x 54 mm / 9,84 x 14,96 x 21,25" Weight: 13,5 kg / 29,76 Lbs



## Tube Cutters for MiniCut Machines

Tools are available in 3" standard length, other upon order: 6" and 14"



| TUBE OD |      | TUBE GAUGE | TUBE ID       | TOOL NO.       | CUTTER BIT NO. | BODY DIAMETER | NUMBER OF BLADES |
|---------|------|------------|---------------|----------------|----------------|---------------|------------------|
| [INCH]  | [MM] | [BWG]      |               |                |                |               |                  |
| 5/8     | 15,8 | 12-13      | 10,3 - 10,05  | PTMC-158-3"-12 | K-25186        | 10,00         | 1                |
| 5/8     | 15,8 | 14-15      | 11,66 - 12,22 | PTMC-158-3"-14 | K-25186        | 11,30         | 1                |
| 5/8     | 15,8 | 16-17      | 12,57 - 12,93 | PTMC-158-3"-16 | K-25186        | 12,20         | 1                |
| 5/8     | 15,8 | 18-19      | 13,40 - 13,74 | PTMC-158-3"-18 | K-25186        | 13,10         | 1                |
| 5/8     | 15,8 | 20-22      | 14,10 - 14,45 | PTMC-158-3"-20 | K-25186        | 13,80         | 1                |
| 3/4     | 19,0 | 14-15      | 14,80 - 15,40 | PTMC-190-3"-14 | K-25186        | 14,50         | 1                |
| 3/4     | 19,0 | 16-17      | 15,75 - 16,10 | PTMC-190-3"-16 | K-25186        | 15,40         | 1                |
| 3/4     | 19,0 | 18-19      | 16,56 - 16,90 | PTMC-190-3"-18 | K-25186        | 16,15         | 1                |
| 3/4     | 19,0 | 20-22      | 17,27 - 17,63 | PTMC-190-3"-20 | K-25186        | 17,00         | 1                |
| 7/8     | 22,2 | 10-11      | 15,42 - 16,13 | PTMC-222-3"-10 | K-25194        | 15,00         | 1                |
| 7/8     | 22,2 | 12-13      | 16,69 - 17,40 | PTMC-222-3"-12 | K-25194        | 16,20         | 1                |
| 7/8     | 22,2 | 14-15      | 18,01 - 18,57 | PTMC-222-3"-14 | K-25194        | 17,60         | 1                |
| 7/8     | 22,2 | 16-17      | 18,92 - 19,28 | PTMC-222-3"-16 | K-25194        | 18,50         | 1                |
| 7/8     | 22,2 | 18-20      | 19,74 - 20,42 | PTMC-222-3"-18 | K-25194        | 19,40         | 1                |
| 1       | 25,4 | 8-9        | 17,02 - 17,88 | PTMC-254-3"-8  | K-25199        | 16,60         | 1                |
| 1       | 25,4 | 10-11      | 18,59 - 19,30 | PTMC-254-3"-10 | K-25199        | 18,20         | 1                |
| 1       | 25,4 | 12-13      | 19,86 - 20,57 | PTMC-254-3"-12 | K-25199        | 19,40         | 1                |

| TUBE OD |      | TUBE GAUGE | TUBE ID       | TOOL NO.       | CUTTER BIT NO. | BODY DIAMETER | NUMBER OF BLADES |
|---------|------|------------|---------------|----------------|----------------|---------------|------------------|
| [INCH]  | [MM] | [BWG]      |               |                |                |               |                  |
| 1       | 25,4 | 14-15      | 21,18 - 21,74 | PTMC-254-3"-14 | K-25199        | 20,80         | 1                |
| 1       | 25,4 | 16-17      | 22,10 - 22,45 | PTMC-254-3"-16 | K-25199        | 21,70         | 1                |
| 1       | 25,4 | 18-19      | 22,91 - 23,27 | PTMC-254-3"-18 | K-25199        | 22,50         | 1                |
| 1       | 25,4 | 20-22      | 23,62 - 23,89 | PTMC-254-3"-20 | K-25199        | 23,20         | 1                |
| 1-1/8   | 28,5 | 13-14      | 23,75 - 24,36 | PTMC-285-3"-13 | K-25199        | 23,40         | 1                |
| 1-1/8   | 28,5 | 15-16      | 24,92 - 25,27 | PTMC-285-3"-14 | K-25199        | 24,50         | 1                |
| 1-1/8   | 28,5 | 17-18      | 25,63 - 26,09 | PTMC-285-3"-17 | K-25199        | 25,10         | 1                |
| 1-1/4   | 31,7 | 12-13      | 26,21 - 26,92 | PTMC-317-3"-12 | K-25206        | 25,80         | 1                |
| 1-1/4   | 31,7 | 14-15      | 27,53 - 28,09 | PTMC-317-3"-14 | K-25206        | 27,10         | 1                |
| 1-1/4   | 31,7 | 16-17      | 28,45 - 28,80 | PTMC-317-3"-16 | K-25206        | 28,00         | 1                |
| 1-1/4   | 31,7 | 18-20      | 29,26 - 29,92 | PTMC-317-3"-20 | K-25206        | 28,80         | 1                |
| 1-1/2   | 38,1 | 8-9        | 29,72 - 30,58 | PTMC-381-3"-8  | K-25206        | 29,30         | 1                |
| 1-1/2   | 38,1 | 10-11      | 31,29 - 32,00 | PTMC-381-3"-10 | K-25206        | 30,08         | 1                |
| 1-1/2   | 38,1 | 12-13      | 32,56 - 33,27 | PTMC-381-3"-12 | K-25206        | 32,10         | 1                |
| 1-1/2   | 38,1 | 14-15      | 33,88 - 34,44 | PTMC-381-3"-14 | K-25206        | 33,40         | 1                |
| 1-1/2   | 38,1 | 16-17      | 34,80 - 35,15 | PTMC-381-3"-16 | K-25206        | 34,40         | 1                |
| 1-1/2   | 38,1 | 18-20      | 35,51 - 36,32 | PTMC-381-3"-18 | K-25206        | 35,10         | 1                |