Kentucky CTE

Advanced Manufacturing: Metal Fabrication: Sheet Metal I – A 480817 (2026–2027)

Measure sheet metal to determine available space for assembly patterns. 1	1 Measure sheet metal to determine available space for assembly patterns. 1
Use the radial line method to lay out sheet metal patterns. 2	2 Use the radial line method to lay out sheet metal patterns. 2
Use the triangular method to lay out sheet metal patterns. 3	3 Use the triangular method to lay out sheet metal patterns. 3
Use the parallel line method to lay out sheet metal patterns. 4	4 Use the parallel line method to lay out sheet metal patterns. 4
Select sheet metal gauges for patterns. 5	5 Select sheet metal gauges for patterns. 5
Select types of sheet metals. 6	6 Select types of sheet metals. 6
Cut sheet metal layouts with aviation snips. 7	7 Cut sheet metal layouts with aviation snips. 7
Cut sheet metal layouts with bulldog snips. 8	8 Cut sheet metal layouts with bulldog snips. 8
Cut sheet metal layouts with circular snips. 9	9 Cut sheet metal layouts with circular snips. 9

Skip to main content

Cut sheet metal layouts with combination snips. 10

10 Cut sheet metal layouts with combination snips. 10

Cut sheet metal layouts with double-cut snips. 11

11 Cut sheet metal layouts with double-cut snips. 11

Cut sheet metal layouts with straight snips. 12

12 Cut sheet metal layouts with straight snips. 12

Store tools. 13

13 Store tools. 13

Cut sheet metal with hand notchers. 14

14 Cut sheet metal with hand notchers. 14

Cut sheet metal with combination notchers. 15

15 Cut sheet metal with combination notchers. 15

Cut sheet metal with squaring shears. 16

16 Cut sheet metal with squaring shears. 16

Cut sheet metal with universal metal cutters. 17

17 Cut sheet metal with universal metal cutters. 17

Bend sheet metal with hand seamers. 18

18 Bend sheet metal with hand seamers. 18

Form sheet metal assemblies with blow horn stakes and mallets. 19

19 Form sheet metal assemblies with blow horn stakes and mallets. 19

Form sheet metal assemblies with conductor stakes and mallets. 20

20 Form sheet metal assemblies with conductor stakes and mallets. 20

Form sheet metal assemblies with common squares and ma

21 Form sheet metal assemblies with common squares and mallets. 21

Skip to main content

Form sheet metal assemblies with creasing stakes and mallets. 22	22 Form sheet metal assemblies with creasing stakes and mallets. 22
Form sheet metal with the slip-roll to create a cylindrical shape. 23	23 Form sheet metal with the slip-roll to create a cylindrical shape. 23
Form single and double hems on sheet metal layouts with brake. 24	24 Form single and double hems on sheet metal layouts with brake. 24
Turn the edges of sheet metal elbow assemblies with an elbow edging machine. 25	25 Turn the edges of sheet metal elbow assemblies with an elbow edging machine. 25
Form sheet metal assemblies with hollow mandrel stakes and mallets. 26	26 Form sheet metal assemblies with hollow mandrel stakes and mallets. 26
Form sheet metal assemblies with mandrel stakes and mallets. 27	27 Form sheet metal assemblies with mandrel stakes and mallets. 27
Form sheet metal assemblies with needle case stakes and mallets. 28	28 Form sheet metal assemblies with needle case stakes and mallets. 28
Fabricate residential and commercial heating and air conditioning ductwork. 29	29 Fabricate residential and commercial heating and air conditioning ductwork. 29
Cut sheet metal layouts with do-all saws. 30	30 Cut sheet metal layouts with do-all saws. 30
Cut sheet metal layouts with hacksaws. 31	31 Cut sheet metal layouts with hacksaws. 31