Andrew Vitale
Engineering Graphics
Siemens NX CAD Assignment
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Create a 3D model of a pipe vice tool in Siemens NX CAD software. A pipe vice is a tool that holds pipes in place for cutting, threading, or bending.

Views
- 3 Principal views and isometric view
- 3D Full Assembly model of base, jaw, handle, handle screw, and screw.

## Top view dimensions

8
10
25
30
40
10
42
20
30
60
10
2X ⌀13
15
10
40
60
95
140
170
4X R5

## SECTION A-A

M20 x1.5 -6H THRU
30
18
10
R5
72
R65
40
R55
85°
40
A
A
25
20
44
70

## Right side view

⌀8
20
0,8 X 45°
17
20
175

86.000 mm

35.000 mm

M1

ZC

YC

XC