

# Make a 3D Part in Custom Part

This is available in Bend-Tech PRO, SE and EZ-3D version 3.08.xx

Use the rotation field to create a 3D part as in the following example:

Custom Part - 1

Die & Material | Part Details | Settings | Tools | Manuf. Warning | Display

Select Material: 1.75 DOM  Diameter: 1.75  
Wall Thickness: 0.13  
Weight: 0.00

Select Die: 3.0  CLR: 3.00  
Calibrated CLR: 3.90  
Bend Location Offset: 0.00

☒ Display Spring Angle

Die: 3.0 Cut Length: 74  
Material: 1.75 DOM Part Weight: 0

A	B	Location	Rotation	Angle	Spring Angle	CLR	Bend Length	Orientation
1	1	5	0	90	90	3	4	From Start
2	2	19	110	70	70	3	3	From Start
3	3	30	290	70	70	3	3	From Start
4	4	42	290	70	70	3	3	From Start
5	5	53	110	70	70	3	3	From Start
6	6	65	0	90	90	3	4	From Start

Number of Bends: 6 Start Angle: 0

☒ Refresh on Keystroke

☐ Verification Points

☒ Display Dimensions

#	Length	Rotation	Angle	Dim Type	Die
Bend 1	8	0	90	Apex	3.0
Bend 2	15	110	70	Apex	3.0
Bend 3	12	180	70	Apex	3.0
Bend 4	12	0	70	Apex	3.0
Bend 5	12	180	70	Apex	3.0
Bend 6	15	-110	90	Apex	3.0
End	8				

The 3D model shows a custom bent pipe part with a total length of 74 units. The part is made of 1.75 DOM material and has a 3.0 die. The bend data is as follows:

#	Length	Rotation	Angle	Dim Type	Die
Bend 1	8	0	90	Apex	3.0
Bend 2	15	110	70	Apex	3.0
Bend 3	12	180	70	Apex	3.0
Bend 4	12	0	70	Apex	3.0
Bend 5	12	180	70	Apex	3.0
Bend 6	15	-110	90	Apex	3.0
End	8				