

# Mul File Specification - Draw

Specification for the Draw.mul file

## Contents

Specification

Sample

Comments

## Specification

The Draw file contains

No	Name	Format	Example	Used As	Notes
1	RingRad	string	RingRad=200	numeric	
2	DangerY	string	DangerY=30	numeric	
3	DangerZ	string	DangerZ=-20	signed integer	
4	DangerRad=145	string	DangerRad=145	numeric	
5	DatumSize=10	string	DatumSize=10	numeric	
6	VBladeOffset=129	string	VBladeOffset=129	numeric	
7	VFrontDatum=107.5	string	VFrontDatum=107.5	float	
8	VRearDatum=-7.5	string	VRearDatum=-7.5	float	
9	VBladeDia=150	string	VBladeDia=150	numeric	
10	PushGripperMinY	string	PushGripperMinY=-2	signed integer	
11	PushGripperMaxY	string	PushGripperMaxY=80	numeric	
12	PushGripperMinZ	string	PushGripperMinZ=30	numeric	
13	PushGripperMaxZ	string	PushGripperMaxZ=100	numeric	
14	PushGripperHeight	string	PushGripperHeight=7	numeric	
15	PushGripperWidth	string	PushGripperWidth=5	numeric	
16	PullGripperMinY	string	PullGripperMinY=20	numeric	
17	PullGripperMaxY	string	PullGripperMaxY=60	numeric	
18	PullGripperMinZ	string	PullGripperMinZ=18	numeric	
19	PullGripperMaxZ	string	PullGripperMaxZ=30	numeric	
20	PullGripperHeight	string	PullGripperHeight=7	numeric	
21	PullGripperZPos	string	PullGripperZPos=25	numeric	
22	ZBlock1	string	ZBlock1=20	numeric	
23	ZBlock2	string	ZBlock2=20	numeric	
24	ZBlock3	string	ZBlock3=20	numeric	
25	ZBlock4	string	ZBlock4=20	numeric	
26	VCylinder	string	VCylinder=125	numeric	
27	TipToCollet	string	TipToCollet=50	numeric	
28	VariableGripperZ1	string	VariableGripperZ1=28	numeric	
29	VariableGripperZ2	string	VariableGripperZ2=28	numeric	

30	VariableGripperZ3	string	VariableGripperZ3=28	numeric	
31	VariableGripperZ4	string	VariableGripperZ4=28	numeric	
32	VariableGripperZ5	string	VariableGripperZ5=28	numeric	
33	VariableGripperZ6	string	VariableGripperZ6=28	numeric	

## Sample

```
RingRad=200
DangerY=30
DangerZ=-20
DangerRad=145
DatumSize=10
VBladeOffset=129
VFrontDatum=107.5
VRearDatum=-7.5
VBladeDia=150
PushGripperMinY=-2
PushGripperMaxY=80
PushGripperMinZ=30
PushGripperMaxZ=100
PushGripperHeight=7
PushGripperWidth=5
PullGripperMinY=20
PullGripperMaxY=60
PullGripperMinZ=18
PullGripperMaxZ=30
PullGripperHeight=7
PullGripperZPos=25
ZBlock1=20
ZBlock2=20
ZBlock3=20
ZBlock4=20
```