

CAD FILE REQUIREMENTS FOR CUSTOM COMPONENTS

PLEASE SEND ALL FILES TO WORLD@CHOICEMOLD.COM

CUSTOMER PROVIDES A 3D PART FILE:

File formats accepted:

- PREFERRED: SolidWorks 3D Part File (*.sldprt)
- Also accepted: STEP (*.step, *.stp), IGES (*.igs, *.iges), Parasolid (*.x-t), Pro-E (*.xpr)
- Any scaling factor must be properly and clearly called out. All dimensions must have the correct value tied to them, no reference data is acceptable. Please avoid the use of splines and other piecewise-defined geometry.
- Faulty, incorrect, or unfinished part file will be sent back to the customer for further evaluation.
- Tolerances must be included.

CUSTOMER PROVIDES A 2D PRINT THAT IS CAD DATA:

File formats accepted:

- PREFERRED: SolidWorks Drawing File (*.slddrw)
- Also accepted: DXF (*.dxf), DWG (*.dwg)
- 3D part file will be replicated from the 2D print.
- All dimensions must pertain to the actual value. NO REFERENCE data is acceptable. If the dimension called out is a 0.015 radius, it must be drawn as an actual 0.015 radius (i.e. cannot call out a 0.015 radius and have a spline that fills in for that radius). If a dimension is not shown, we should be able to pull the dimension off the print with the correct value tied to it.
- A 1:1 scaling is preferred. If scaling is necessary, it must be scaled based on the PART, not the PRINT. Please do not scale anything based on the print. Multiple views are required to distinguish special geometric features such as flats.

CUSTOMER PROVIDES A 2D REFERENCE ONLY (NON-CAD) PRINT:

File formats accepted:

- TIF (*.tif), PDF (*.pdf), JPEG (*.jpg, *.jpeg)
- Remodeling is necessary
- Prior to Manufacturing of the custom part, the customer is requested to supply the proper CAD data to Choice Mold Components, Inc. The part will be manufactured to the 3D Part file.
 - If the customer is unable to supply the 3D part file:
 - A 3D part model and 2D print will be designed using SolidWorks'. The 2D print is sent to the customer to verify all the information is correct and required to sign off on the print before it will be manufactured. The customer assumes responsibility for all dimensions and tolerances after signing off on the print. A charge will apply for the cost of designing and remodeling.

Any questions regarding CAD formats and files may be directed to my attention.

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