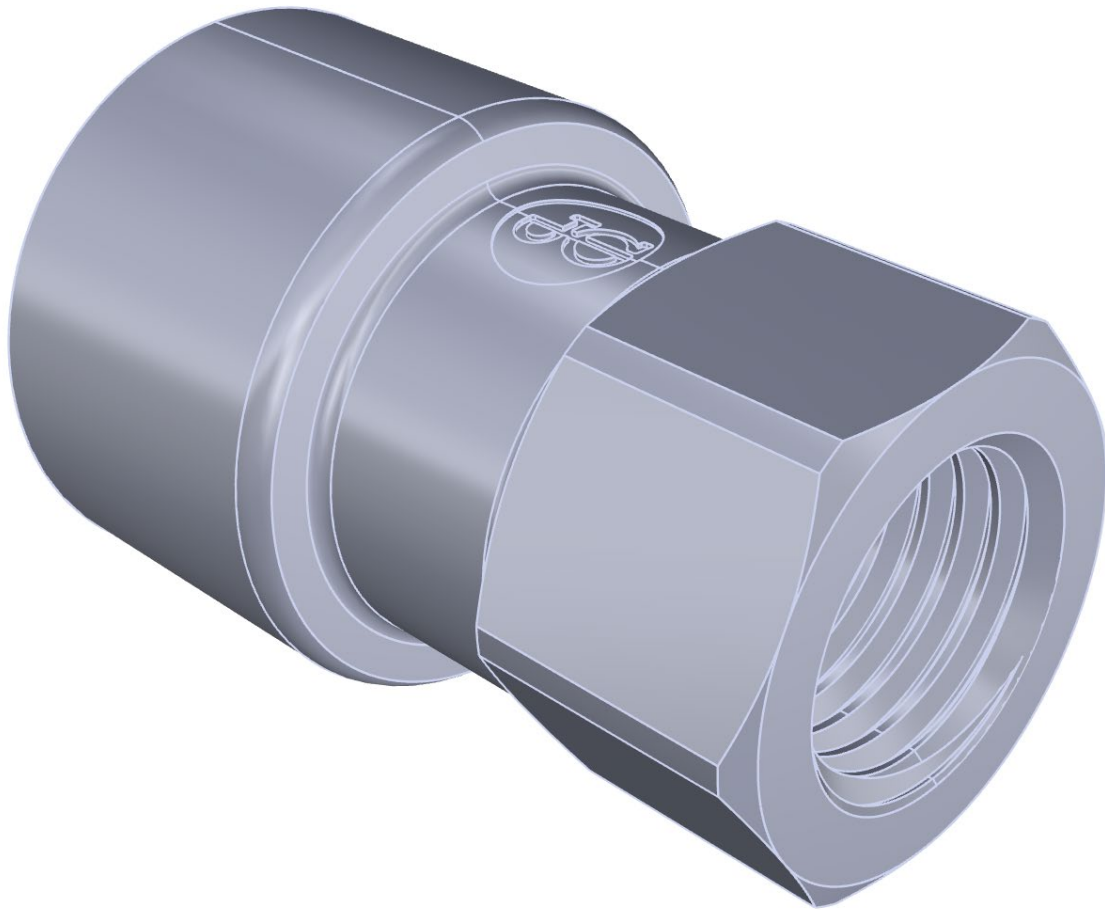




Design For Manufacturing

2026.09.04

Outlines

Description and Proposal

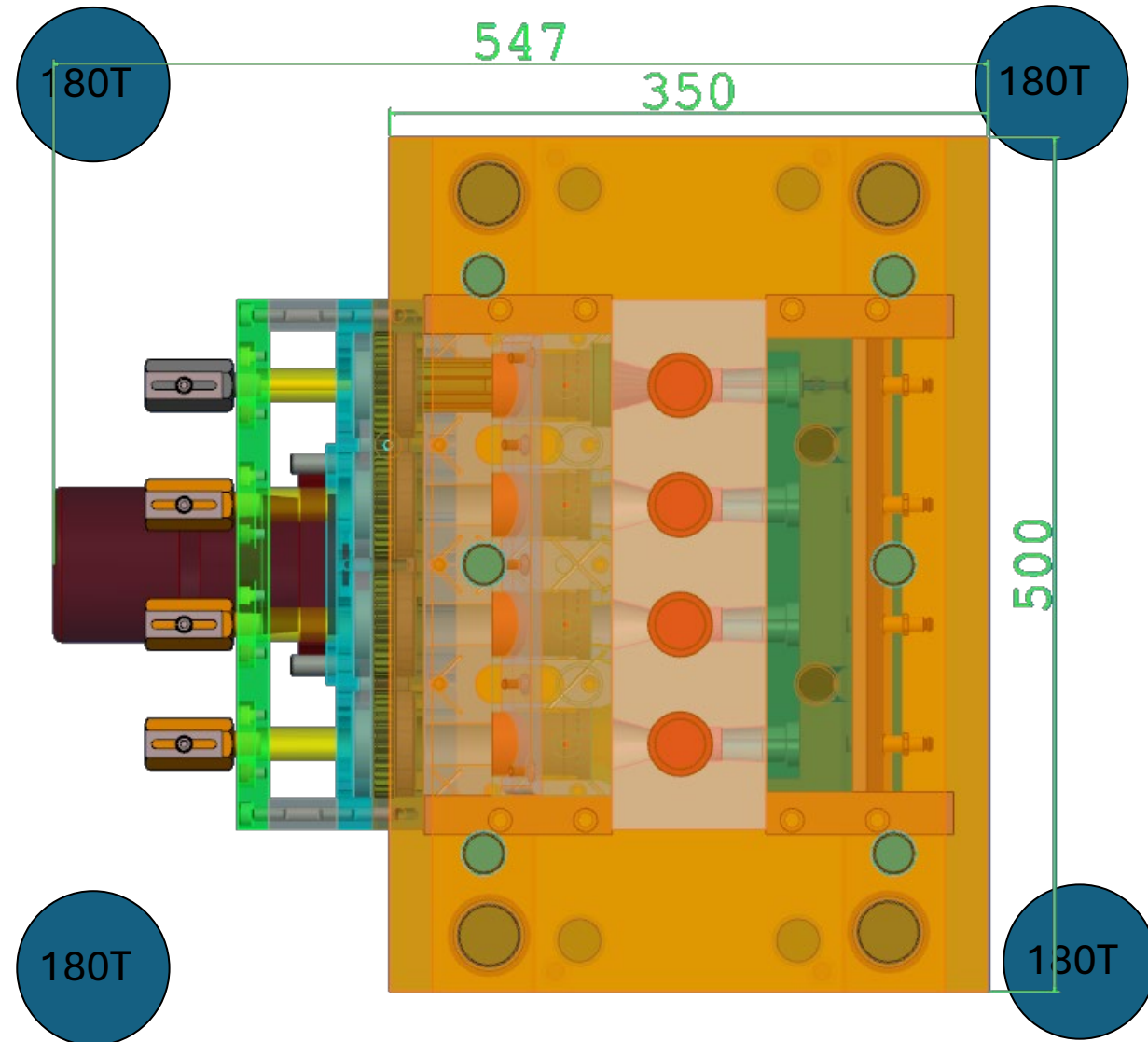
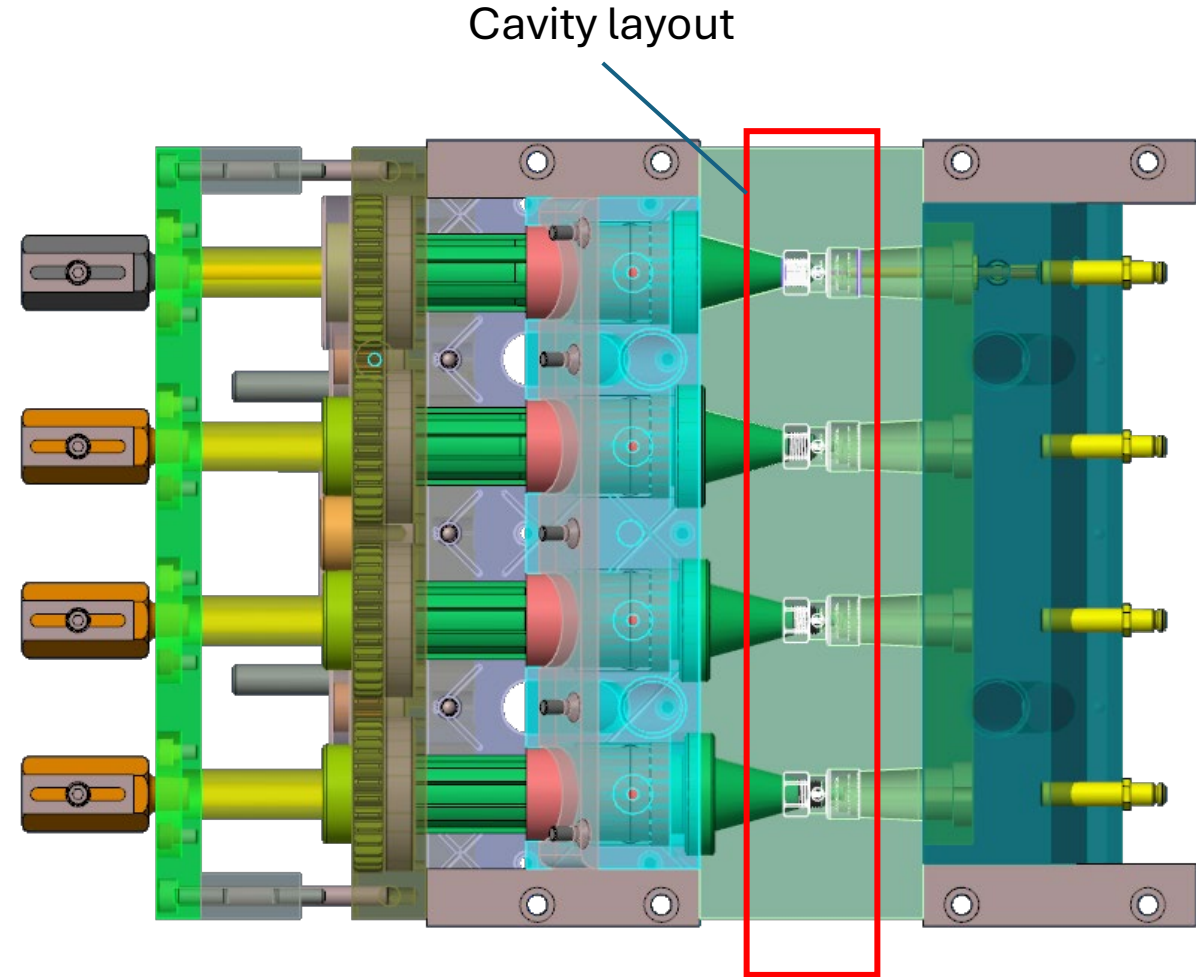
- ▶ **General Information**
- ▶ **Gate location**
- ▶ **Tooling size and cavity layout**
- ▶ **Ejector pin location**
- ▶ **Parting Line Analysis**
- ▶ **Draft analysis**
- ▶ **Mold Structure**

General Information

Customer Name	RWC
Part Name	3/8" x 1/4 FFL FEMALE STRAIGHT ADAPTOR BODY
Material	POM Acetal
Shrinkage	20/1000
Part No.	CP-45JF4J
Cavities	1*4Cav.
Injection concept	Hot Runner System 4 drops for 4 Cav. open gate (YUDO)
Cavity Steel	Finkl D2 Tool Steel / 56~59 HRC
Core Steel	Finkl D2 Tool Steel / 56~59 HRC
Number of slider	2
Number of lifter	N/A
Injection machine Type	180TON (Recommended value)
Tool supplier	Gateway Corp.
Designer	Robin / Ben
Proposal version	2026-09-04

Tooling size and cavity layout

Description and Proposal

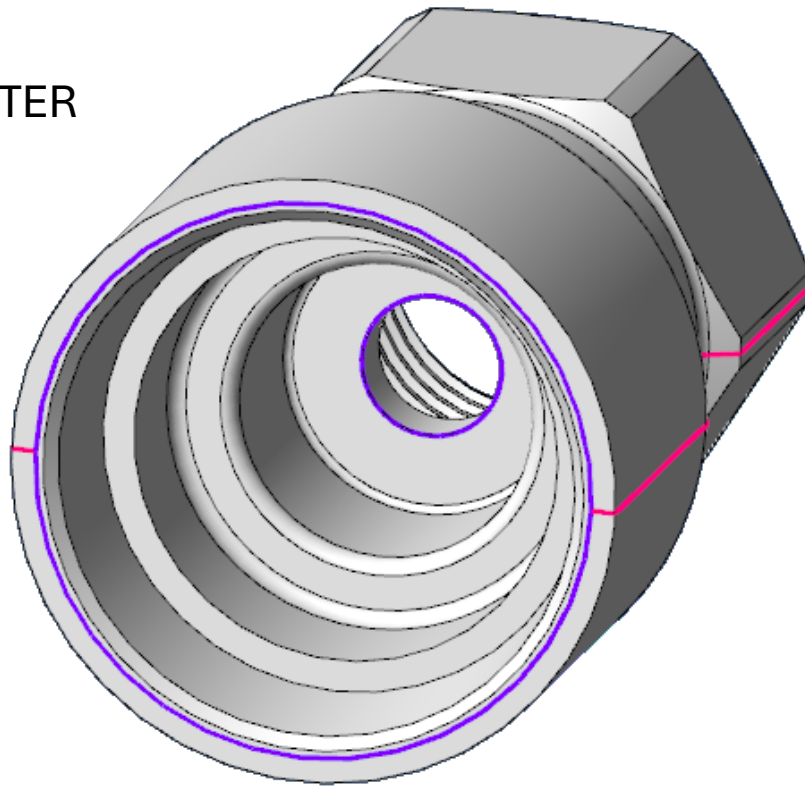
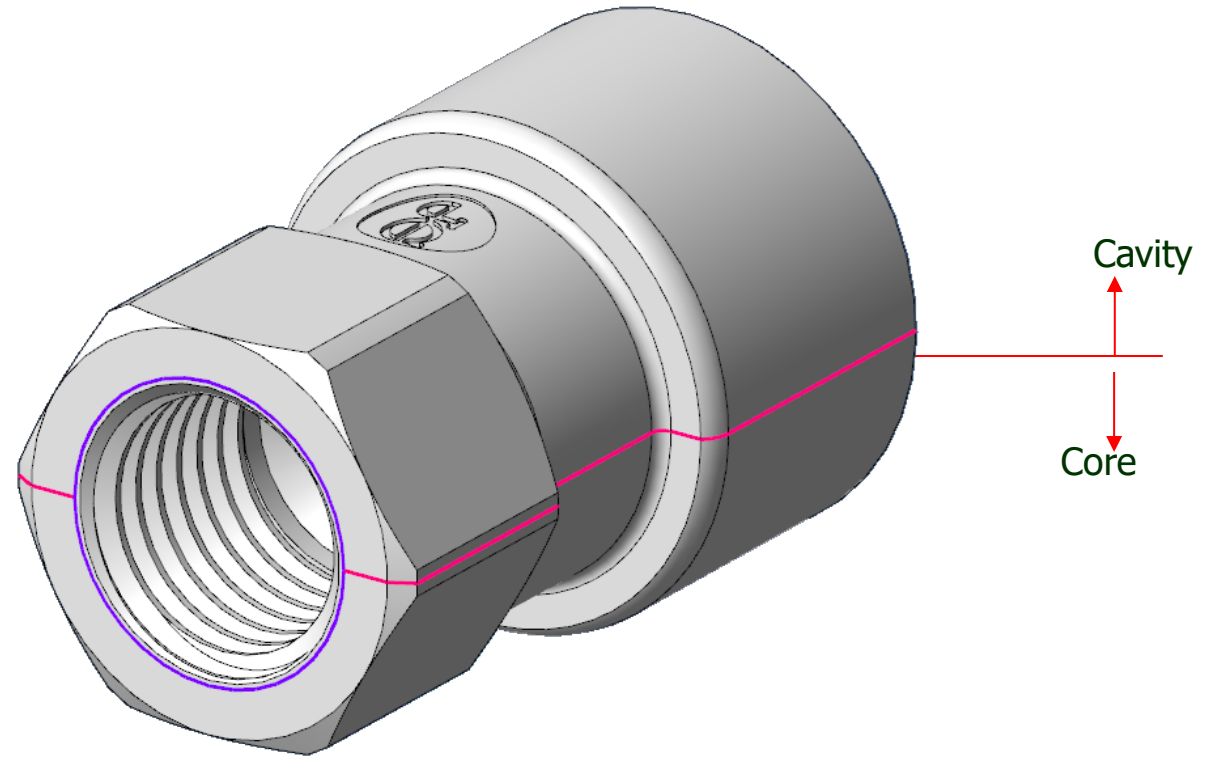


Parting Line Analysis

Parting line / Lifter

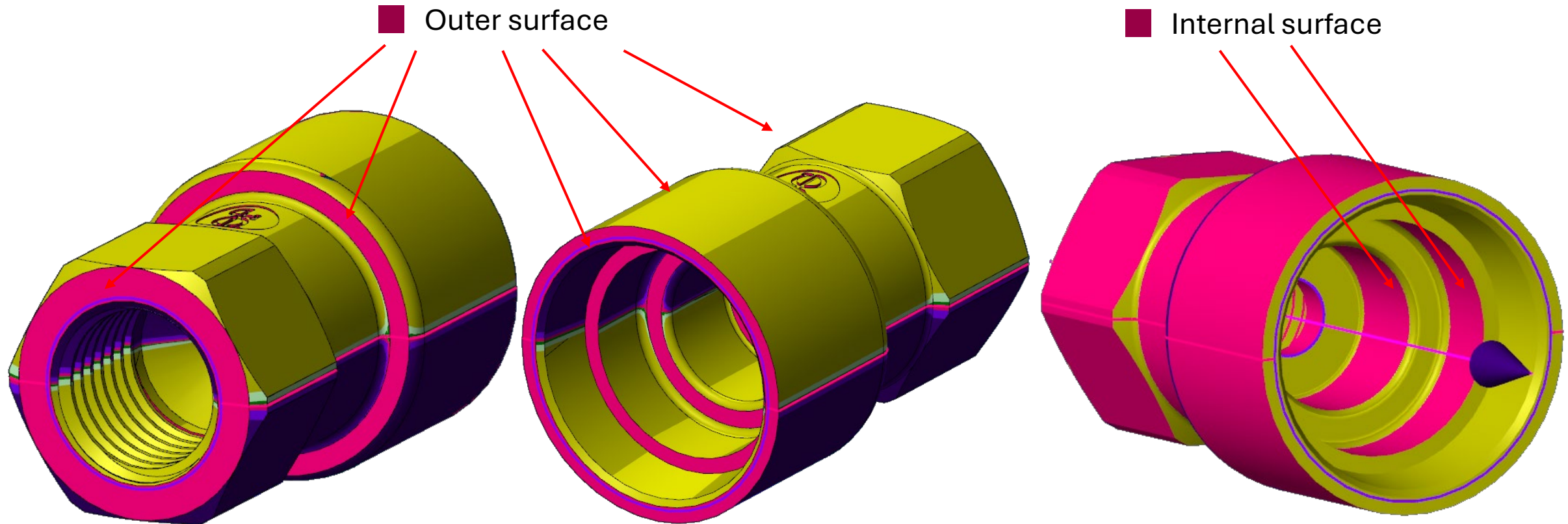
— P.L

— LIFTER



Draft Analysis

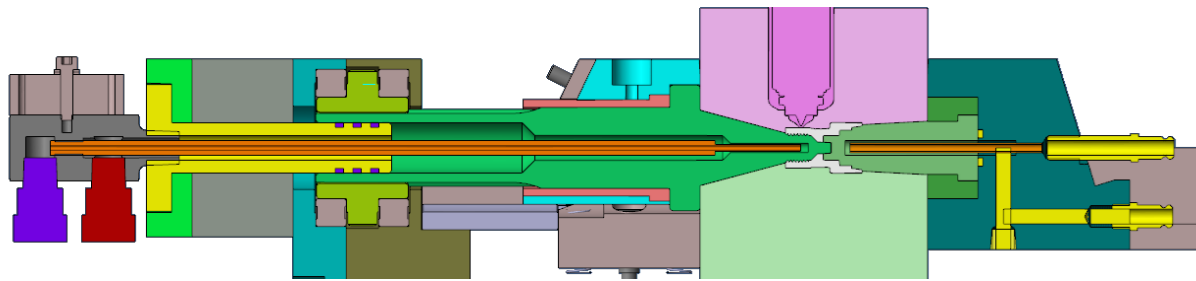
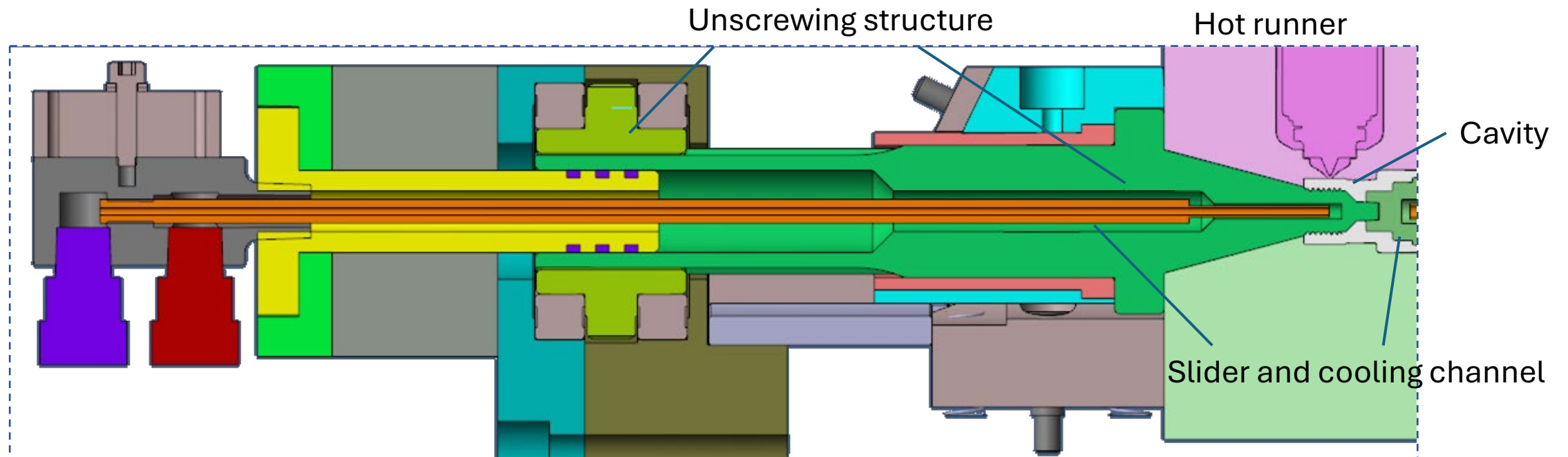
Description and Proposal



The red surfaces shows no draft angle for model. We suggest adding a **1° draft** to avoid drag marks during ejection. Please review and confirm your approval.

Mold Structure

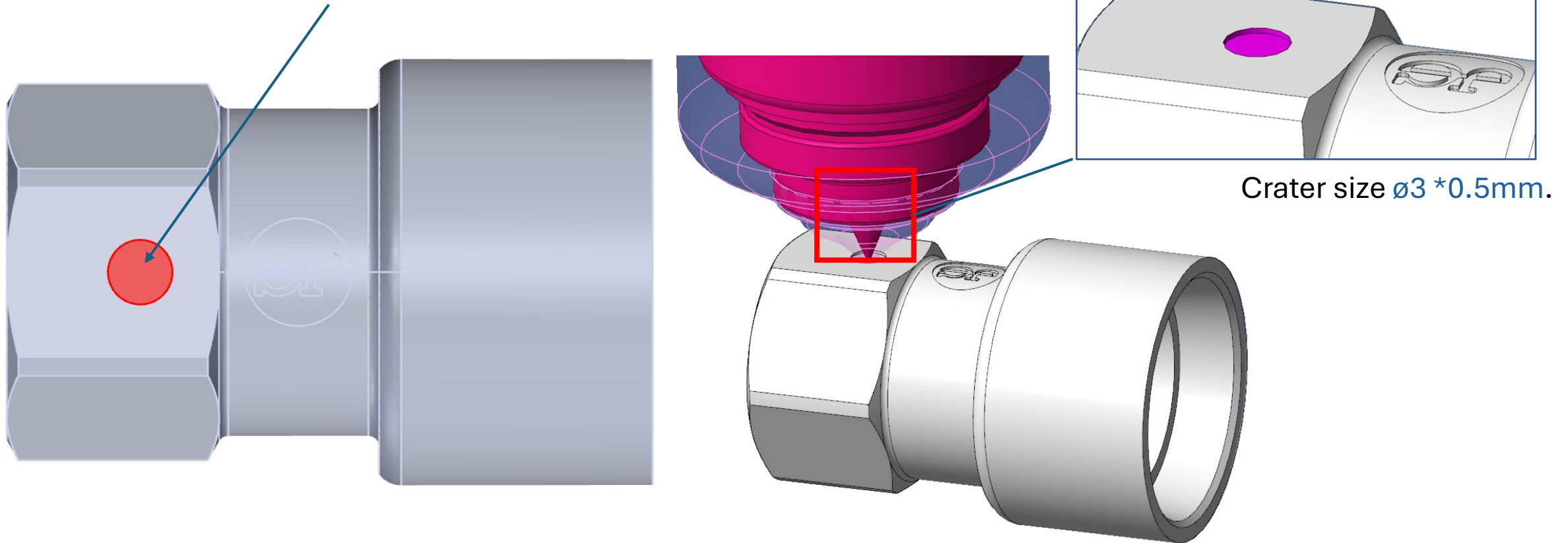
Description and Proposal



Gate location

Description and Proposal

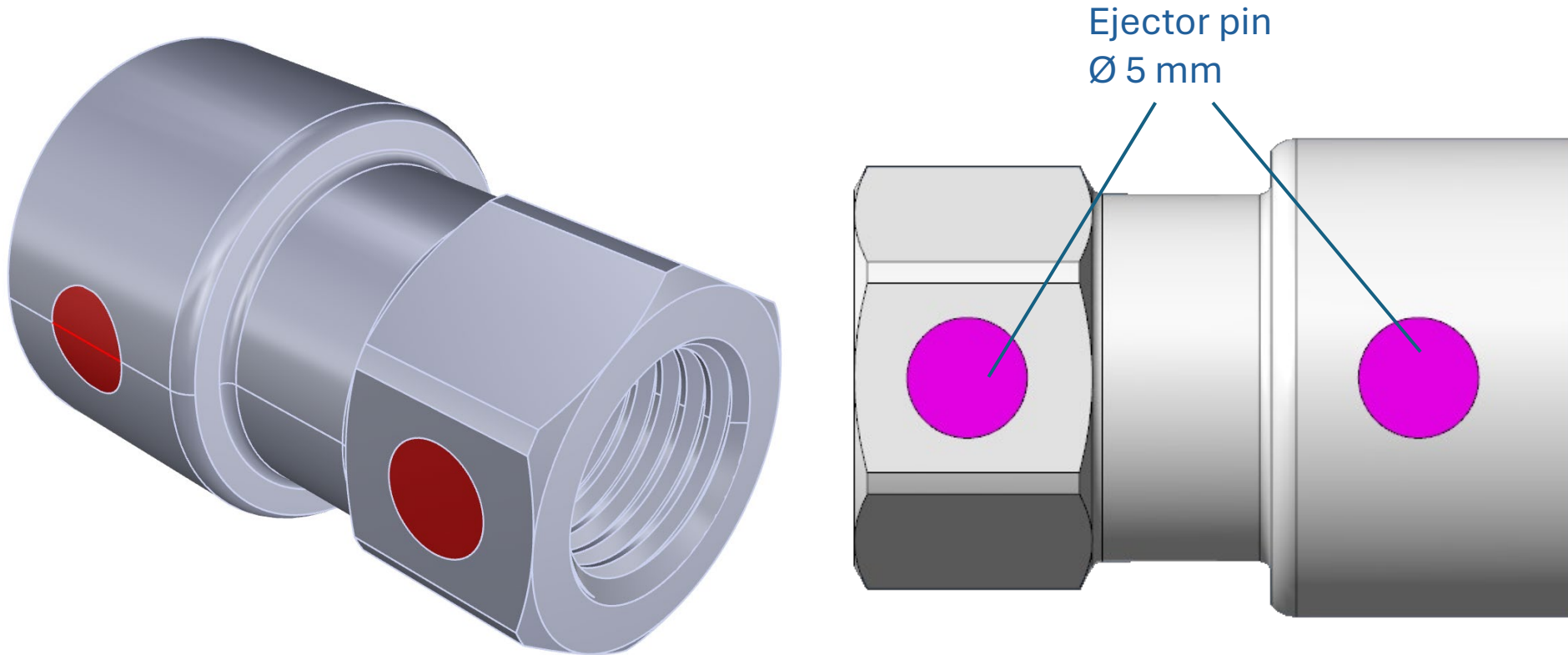
Gate location and crater size is around $\varnothing 3 * 0.5\text{mm}$



We plan to set the gate location at the red dot area and add a 0.5 mm deep crater.
Please review and confirm if this is acceptable.

Ejector pin location

Description and Proposal



We plan to locate the two ejector pins as shown in the picture