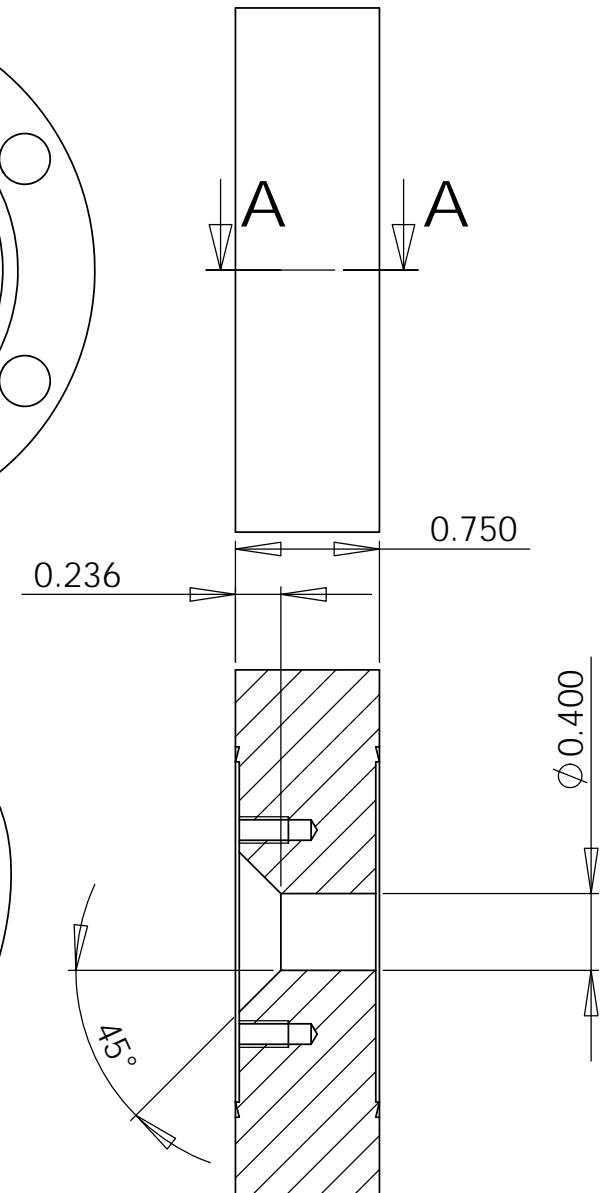
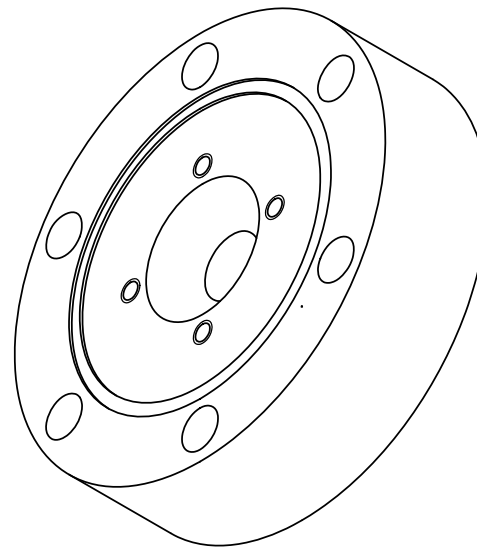
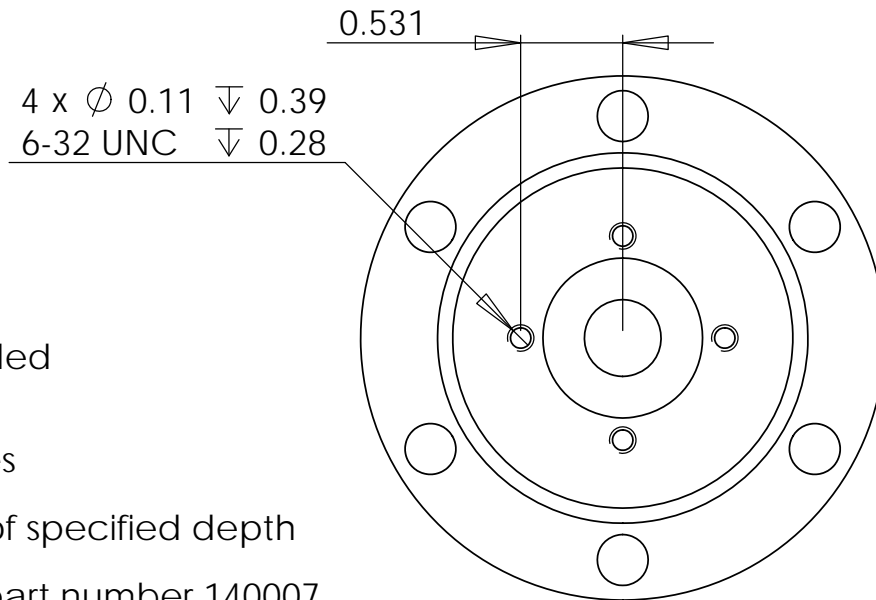


PART A
Quantity 2

Modified double-sided
2.75 inch flange.

4 tapped blind holes
1 through hole
1 45 degree taper of specified depth

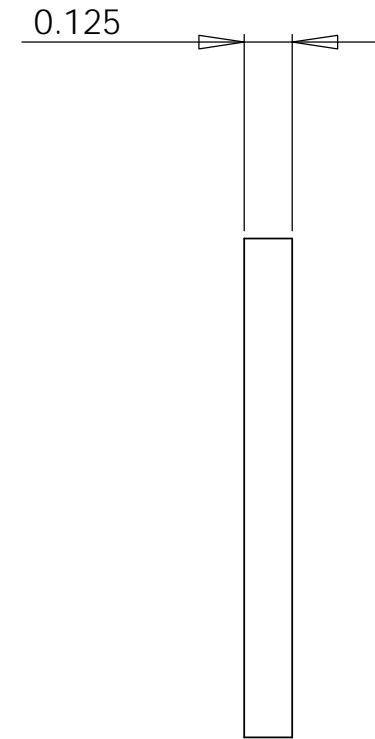
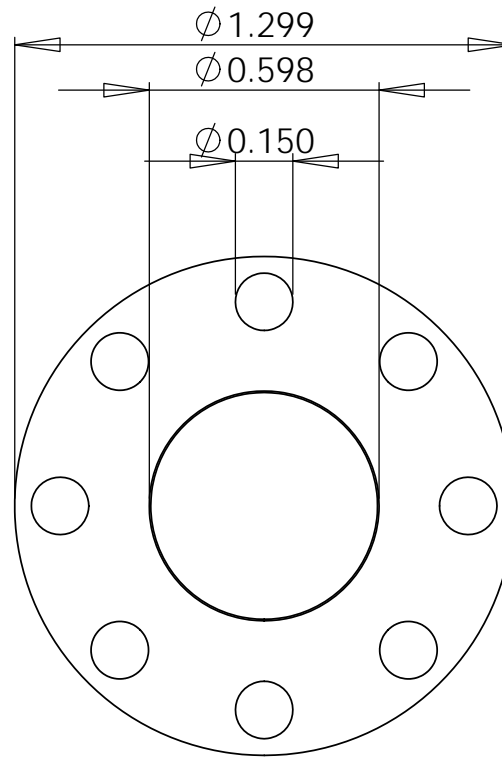
Starting part MDC part number 140007



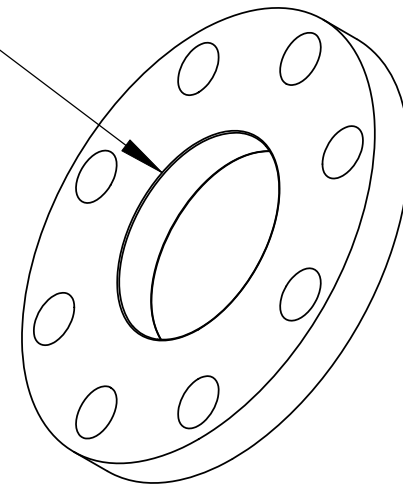
SECTION A-A

PART B
Quantity 2

Retaining ring, made of UHV
quality stainless steel



Small (~ 0.1 mm) fillet



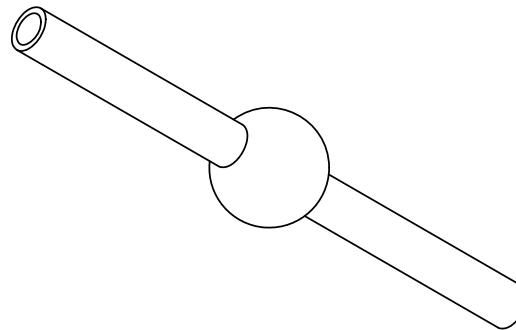
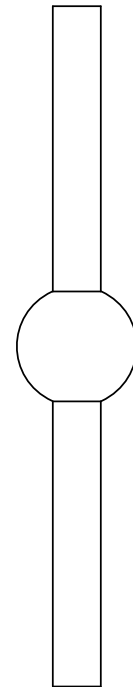
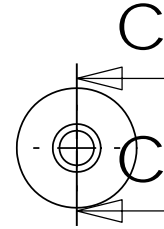
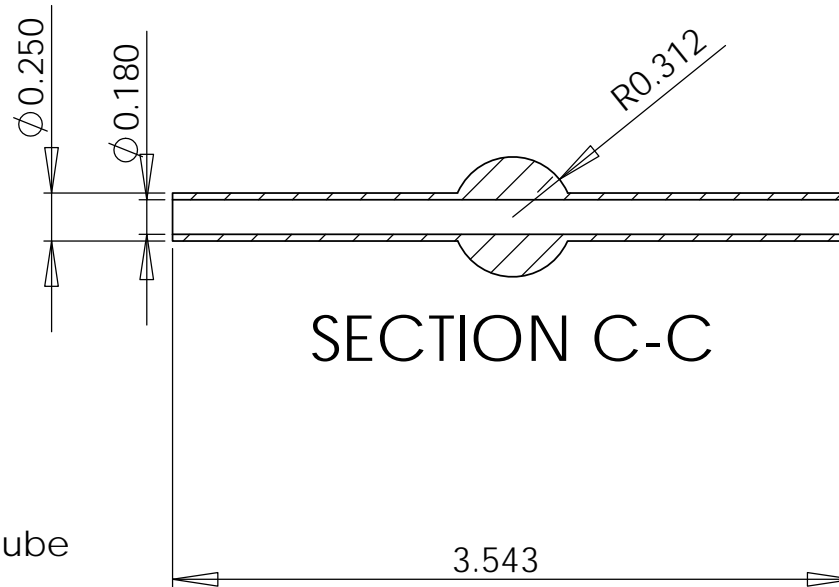
PART C
Quantity 1

Differential pumping tube

UHV steel tube welded
to UHV compatible steel ball
with through hole

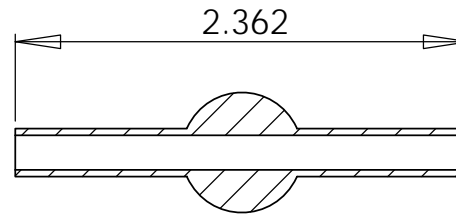
Ball centered lengthwise along tube

Tube cross section is based on
MDC part number 480000 vacuum tubing

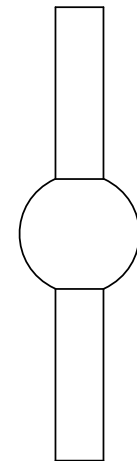
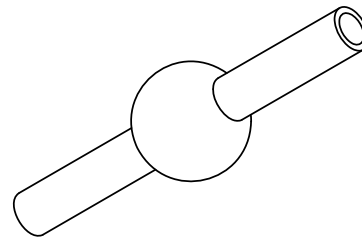
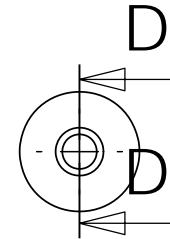


PART D
Quantity 1

Differential pumping tube 2
Same as PART C, but with a different
tube length



SECTION D-D



Example: assembled differential
pumping tube with alignment adjustment

