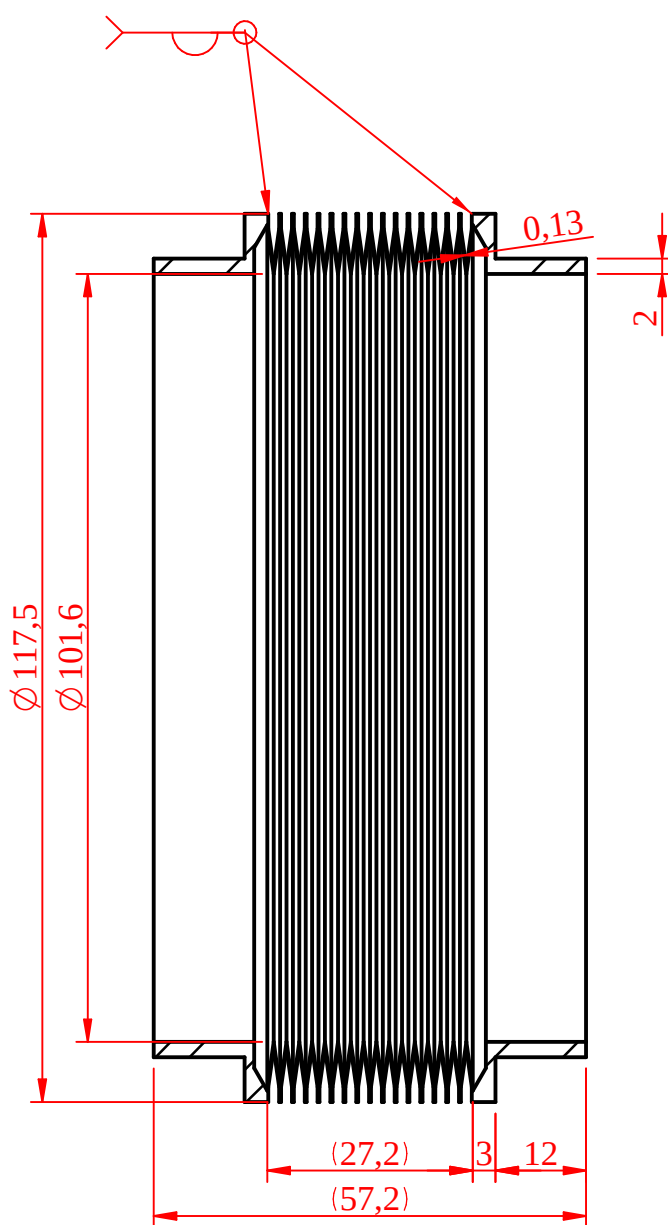
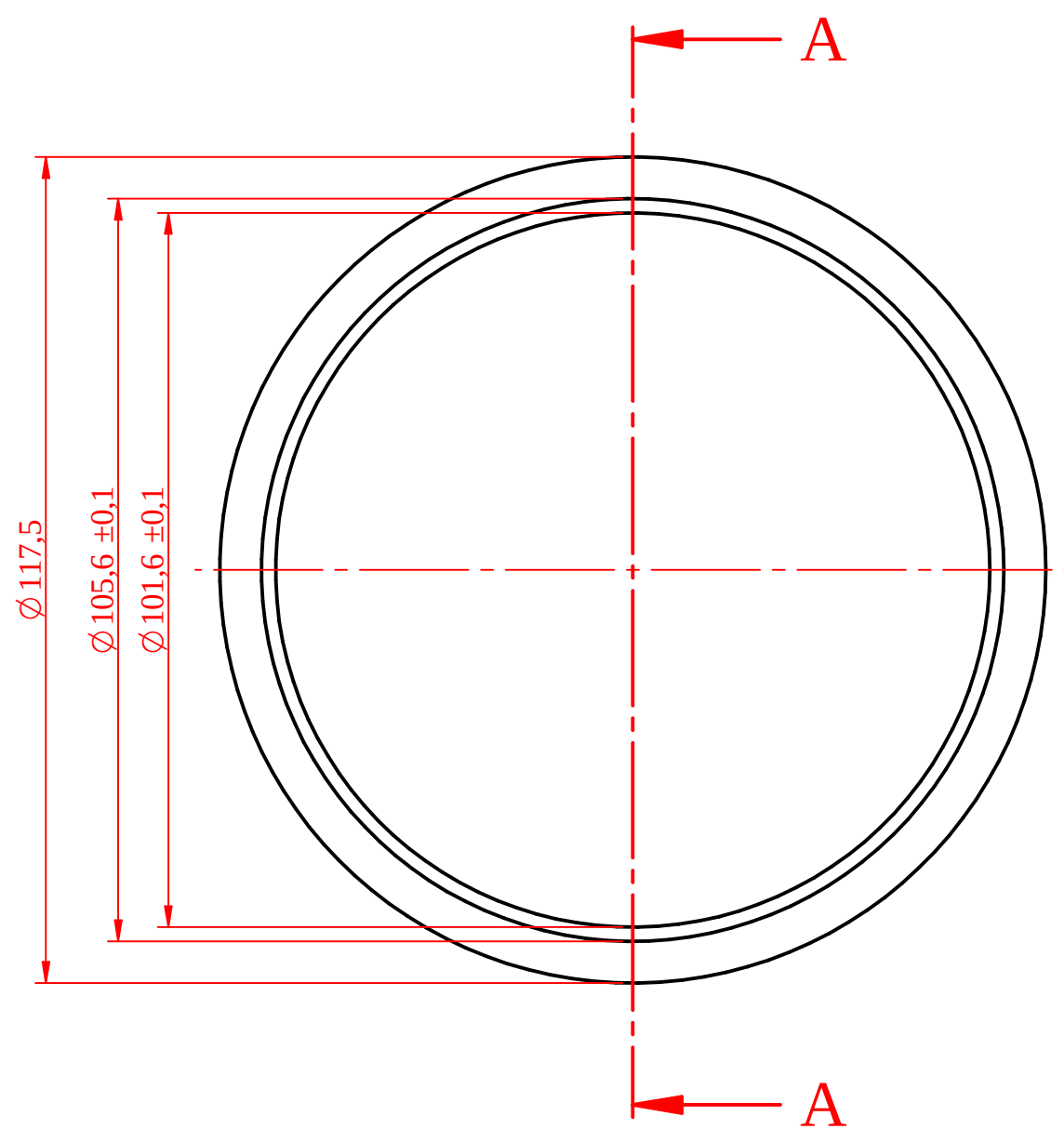


DO NOT SCALE - IF IN DOUBT ASK

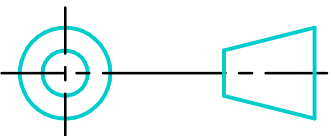


BELLOWS DATA

|                     |          |
|---------------------|----------|
| No OF CONVOLUTIONS  | 16       |
| FREE LENGTH         | 27 mm    |
| INSIDE DIAMETER     | 101.6 mm |
| OUTSIDE DIAMETER    | 117.5 mm |
| WALL THICKNESS      | 0.13 mm  |
| REQUIRED LIFE CYCLE | 10k      |

LEAK RATE: QHe =  $1 \times 10^{-10}$  Pa m<sup>3</sup> S<sup>-1</sup>

SECTION A-A

|                                                                                                                                          |  |                                                                                                                                                                       |  |                  |  |                                                                                                                                                                                                                                                               |  |                                                                     |  |                           |  |    |  |
|------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------|--|---------------------------|--|----|--|
| METRIC SYSTEM: mm                                                                                                                        |  | REMOVE ALL BURRS & SHARP EDGES                                                                                                                                        |  | DRAWN J Broodryk |  |   <p>National Research Foundation<br/>Laboratory for Accelerator Based Sciences</p> |  | TITLE<br>NESTED BELLOWS -3 <sup>7</sup> / <sub>8</sub> "x<br>Ø101.6 |  |                           |  |    |  |
|  <p>THIRD ANGLE PROJECTION<br/>DRAWN TO SABS 0111</p> |  | UNSPECIFIED MACHINE SURFACES 3.2/                                                                                                                                     |  | CHECKED          |  |                                                                                                                                                                                                                                                               |  | MATERIAL<br>Stainless Steel, 304L                                   |  | DRAWING No<br>6200-1541-A |  | A3 |  |
|                                                                                                                                          |  | UNTOLERANCED DIMNS/ANGLES ISO 2768                                                                                                                                    |  | APPROVED         |  |                                                                                                                                                                                                                                                               |  |                                                                     |  |                           |  |    |  |
|                                                                                                                                          |  | DIMENSIONS 0.5-6 ± 0.1 mm<br>DIMENSIONS 6-30 ± 0.2 mm<br>DIMENSIONS 30-120 ± 0.3 mm<br>DIMENSIONS 120-315 ± 0.5 mm<br>DIMENSIONS 315-1000 ± 0.8 mm<br>ANGLES X ± 0.5° |  | DATE 19-May-21   |  |                                                                                                                                                                                                                                                               |  |                                                                     |  |                           |  |    |  |
|                                                                                                                                          |  |                                                                                                                                                                       |  | SCALE 1:1        |  | SHEET 1 OF 1                                                                                                                                                                                                                                                  |  |                                                                     |  |                           |  |    |  |
|                                                                                                                                          |  |                                                                                                                                                                       |  | TREATMENT        |  |                                                                                                                                                                                                                                                               |  |                                                                     |  |                           |  |    |  |