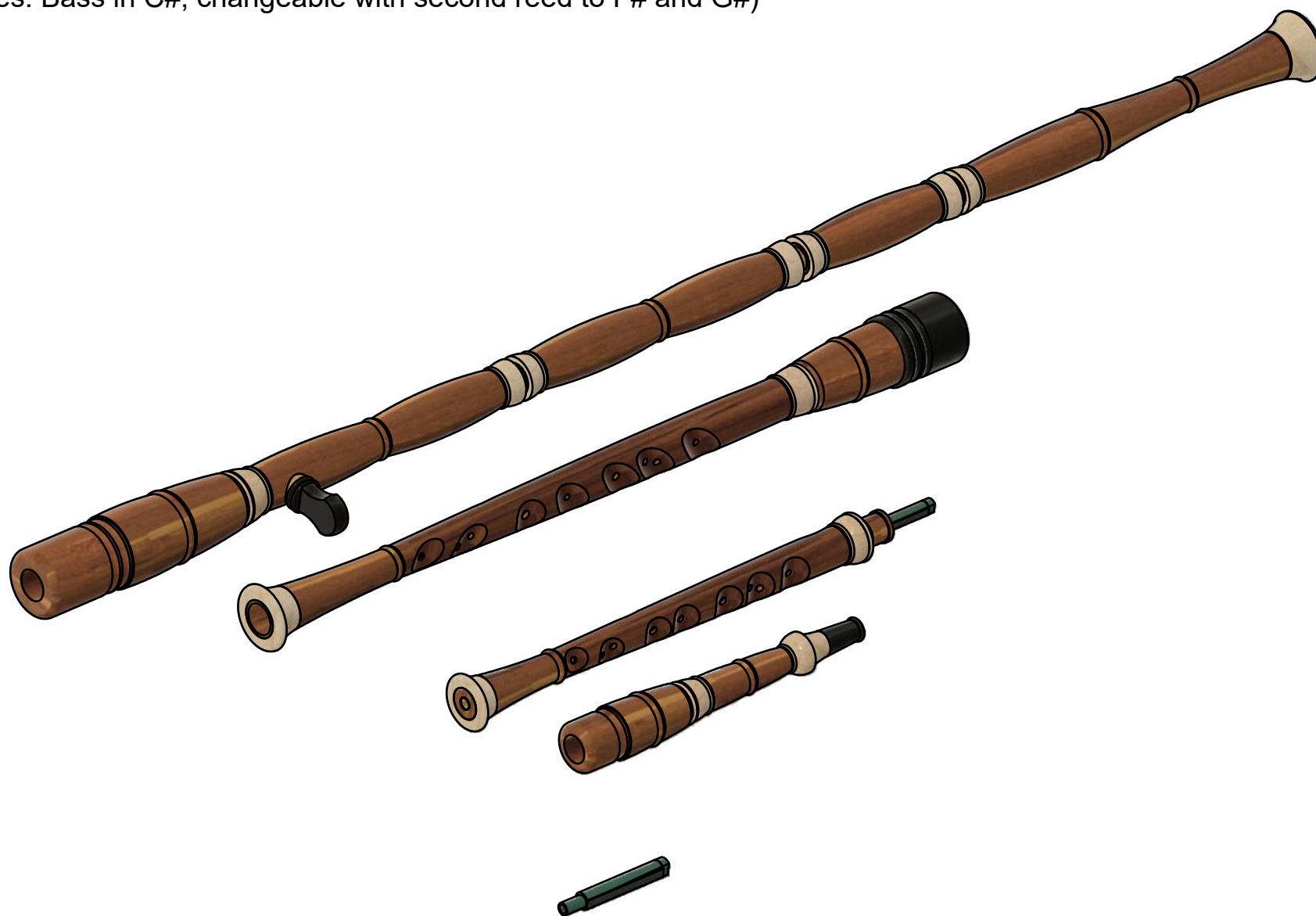


Swedish Bagpipes (Säckpipa) in G#/C# 432Hz with Chanters in Low G#/C# and C#/F#
(Drones: Bass in C#, changeable with second reed to F# and G#)

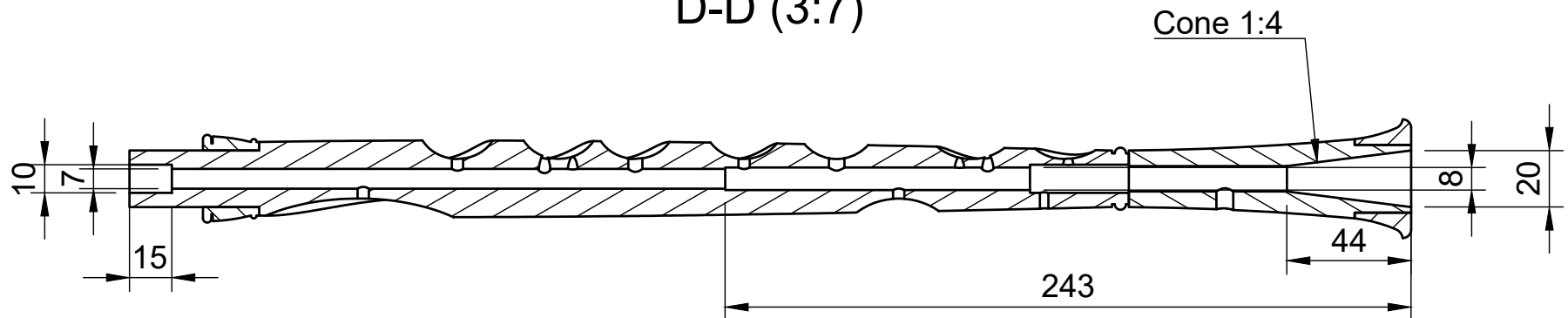
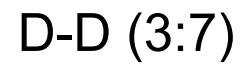


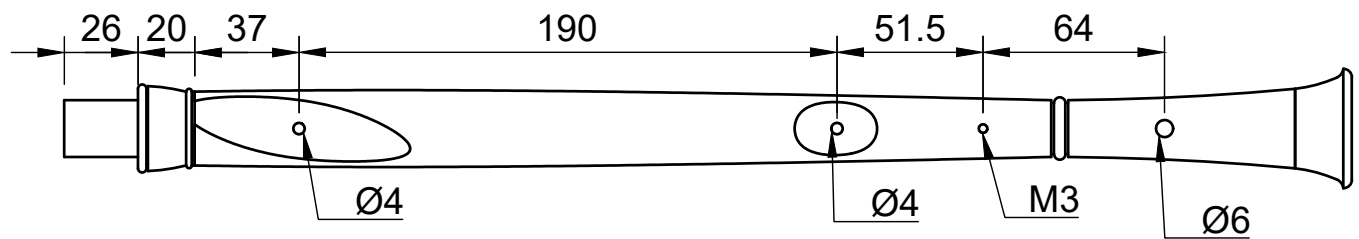
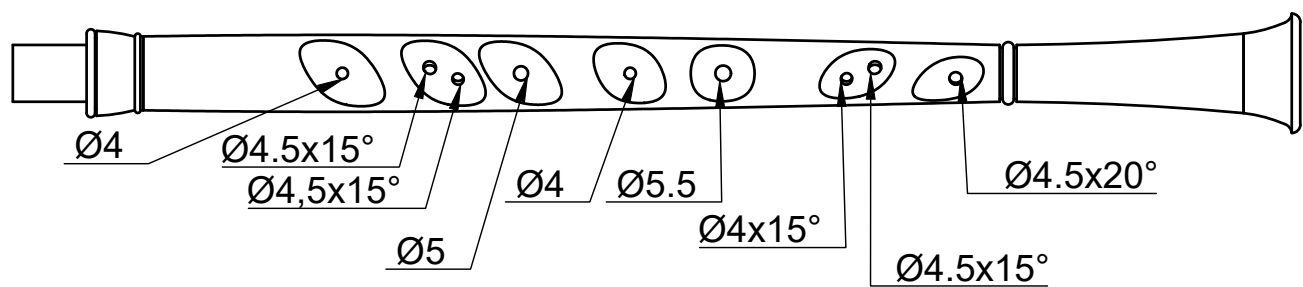
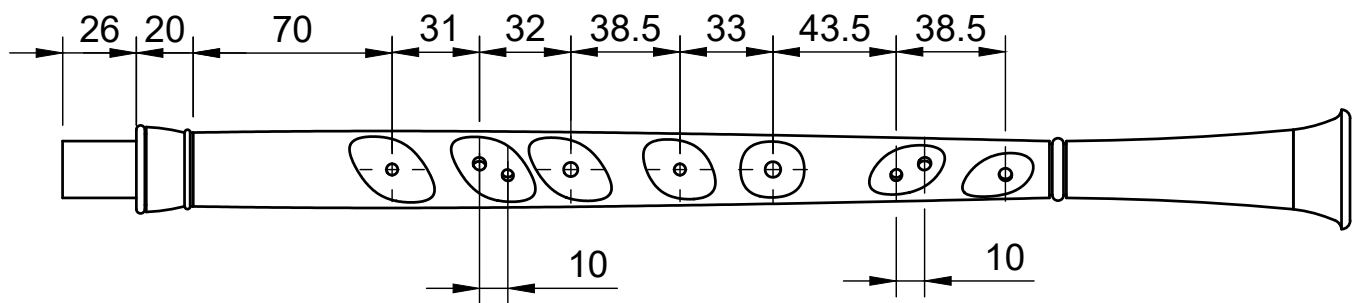
A-A (2:5)

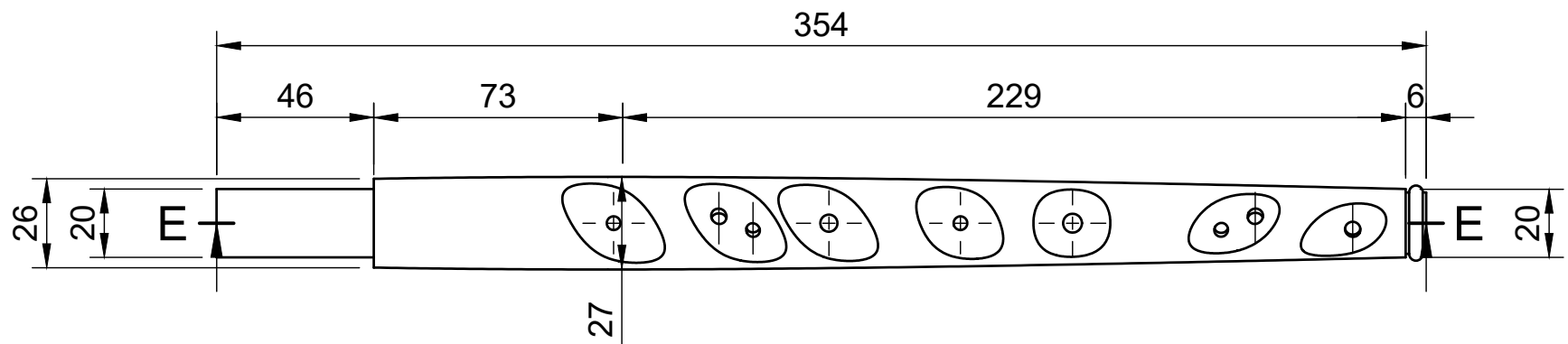


Technical drawing of a mechanical part, likely a shaft or tube, showing dimensions and features. The drawing includes the following dimensions and features:

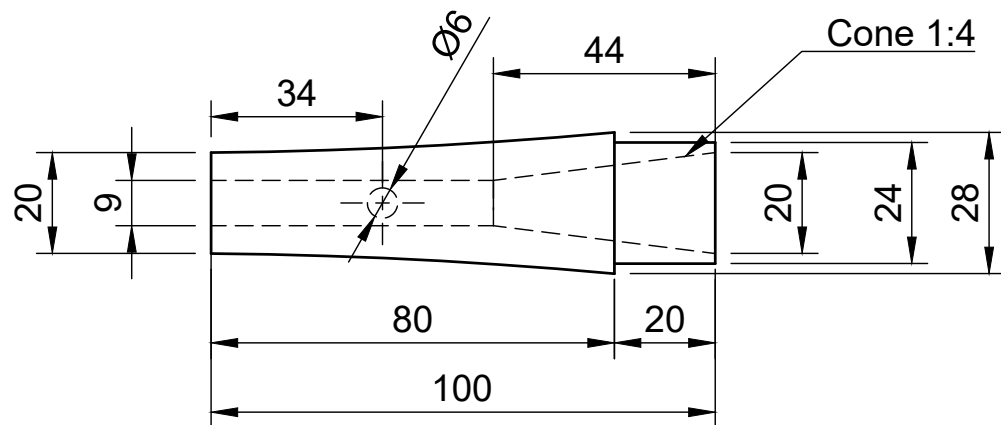
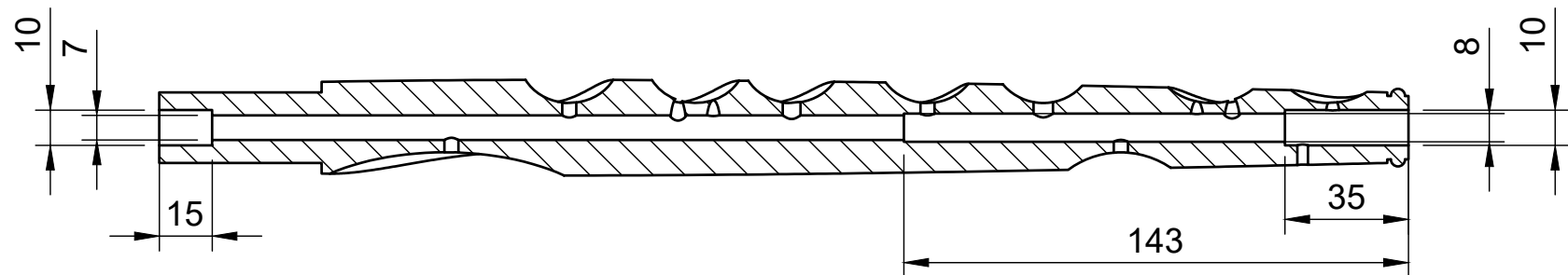
- Overall length: 454
- Left end features:
 - Outer diameter: 26
 - Inner diameter: 20
 - Feature: D (hole or slot)
- Dimensions from left end:
 - 26
 - 20
 - 73
 - 229
 - 6
 - 80
 - 20
- Right end features:
 - Outer diameter: 28
 - Inner diameter: 20
 - Feature: D (hole or slot)
- Internal features:
 - Three sets of holes, each with a 30° angle.
 - Two sets of holes, each with a 35° angle.

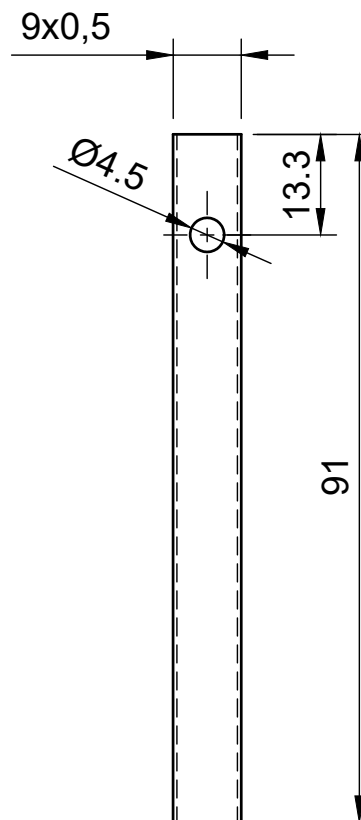
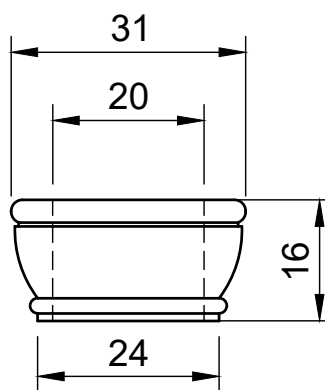
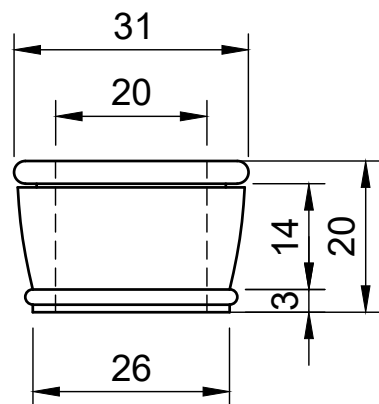
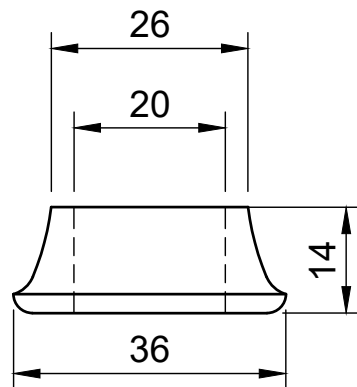
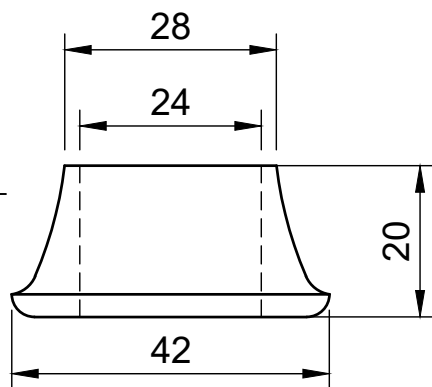
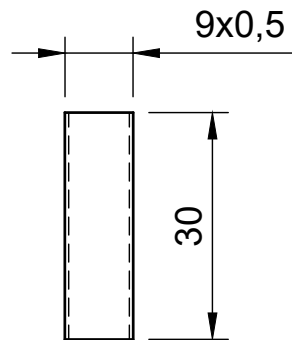
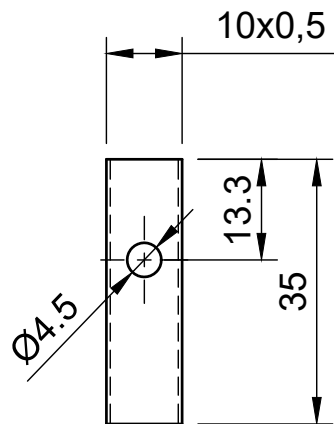




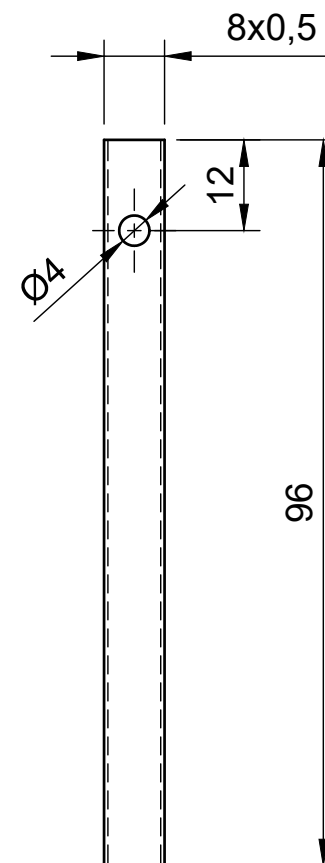
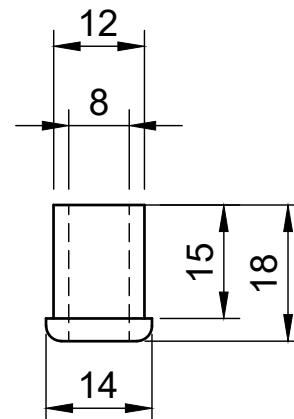


E-E (1:2)

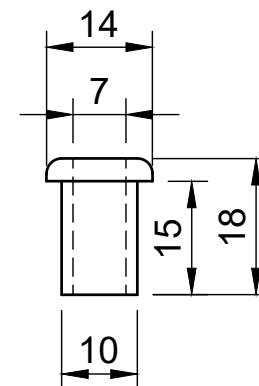




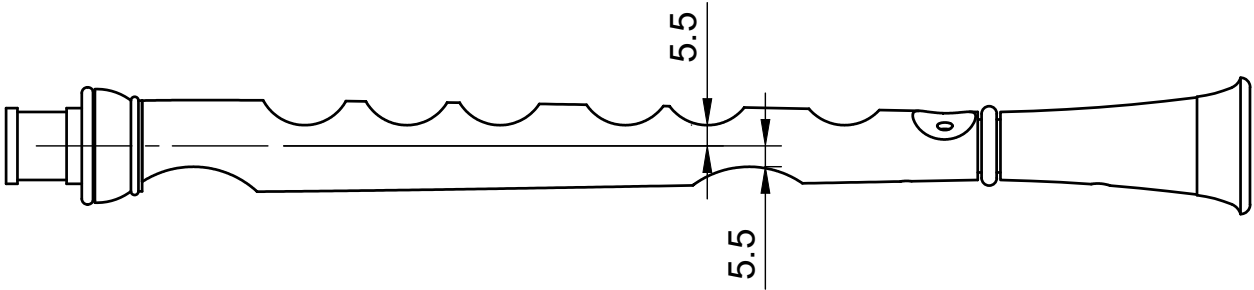
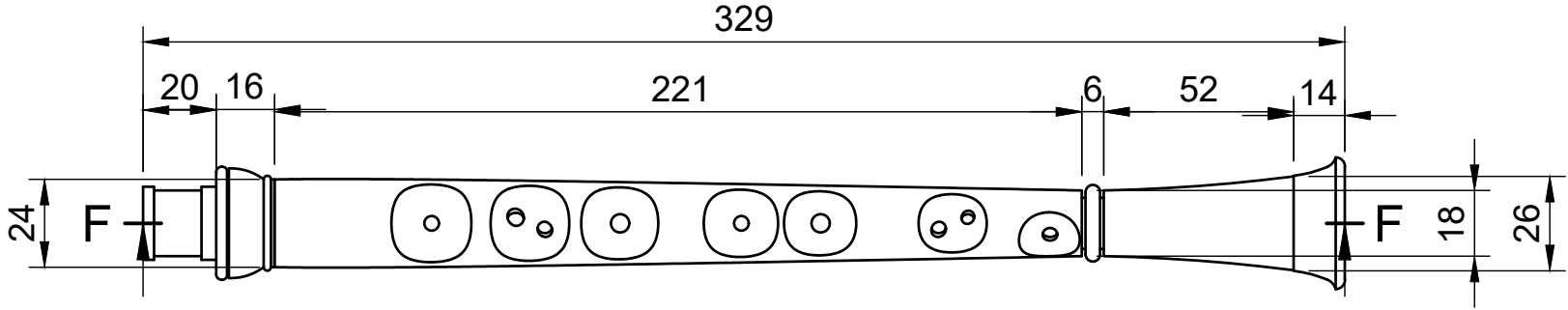
1x



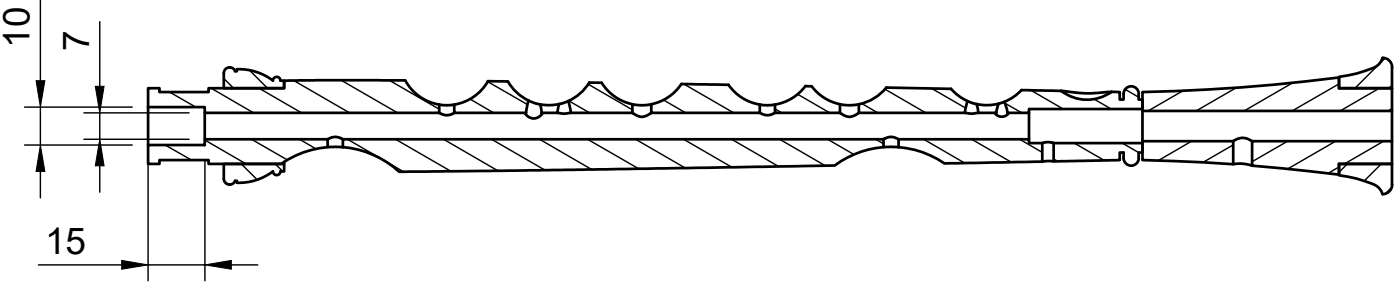
2x

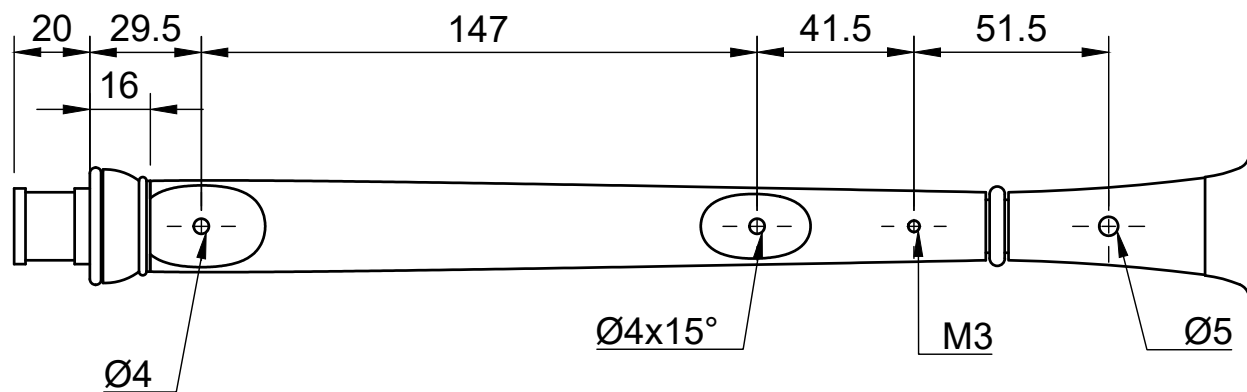
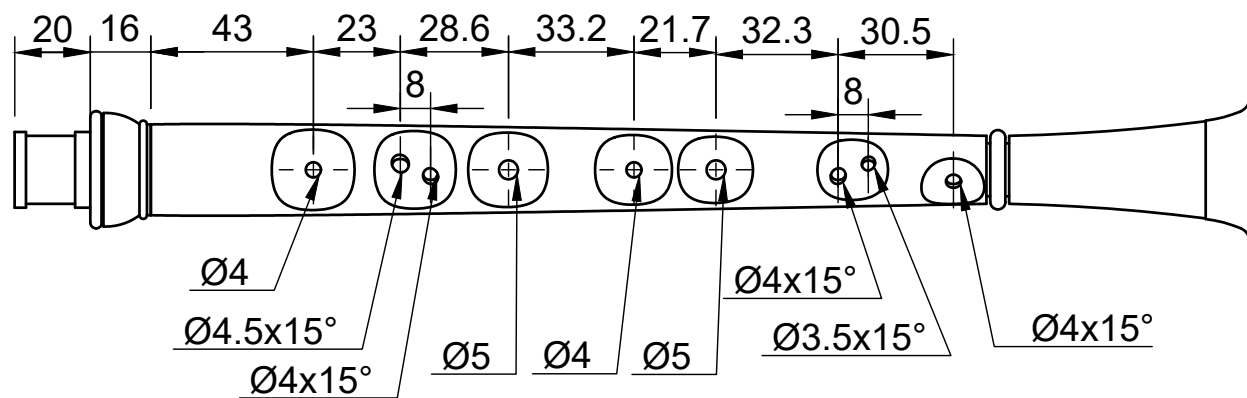


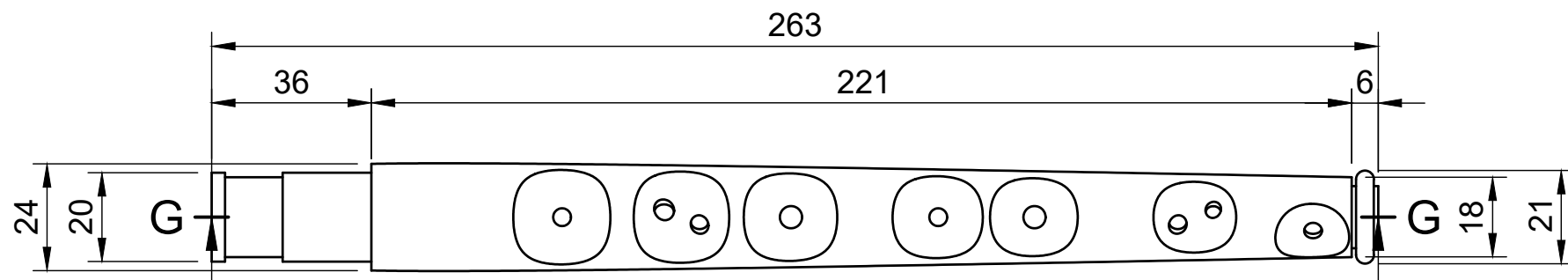
Chanter in C#/F#



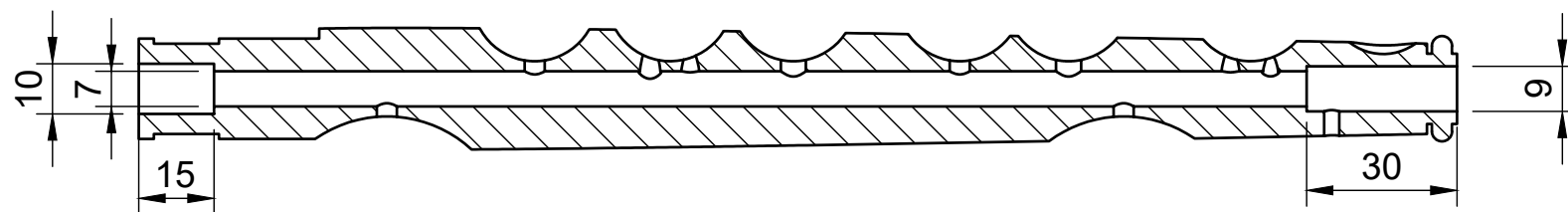
F-F (1:2)



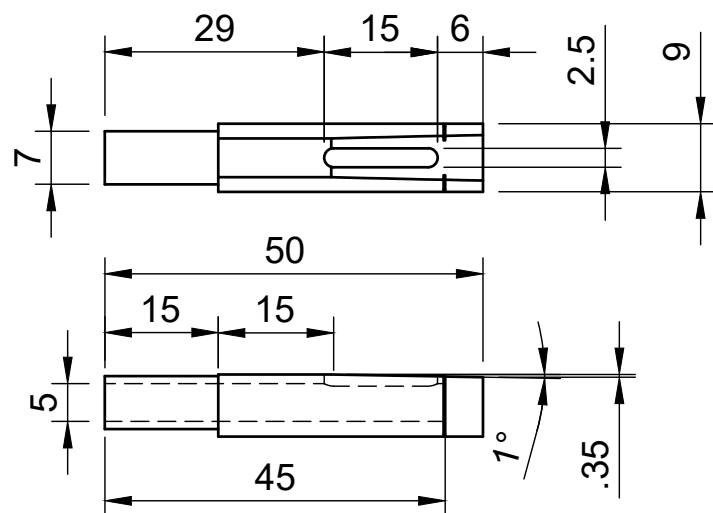




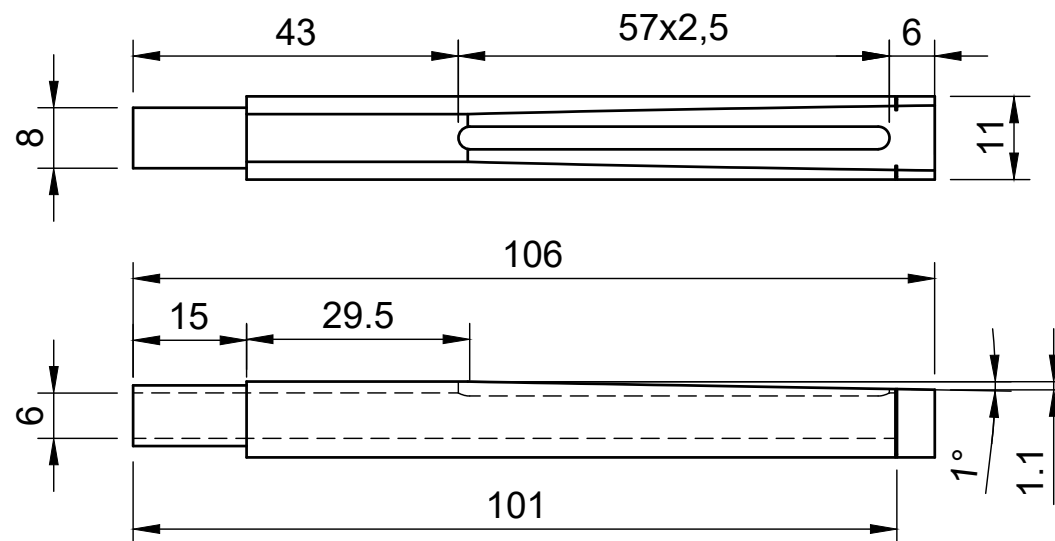
G-G (2:3)



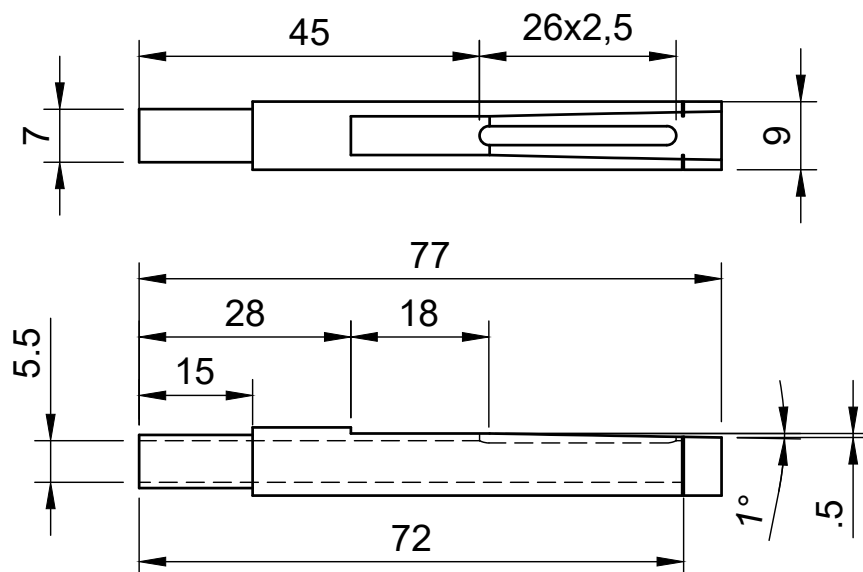
Chanter Reed C#/F#



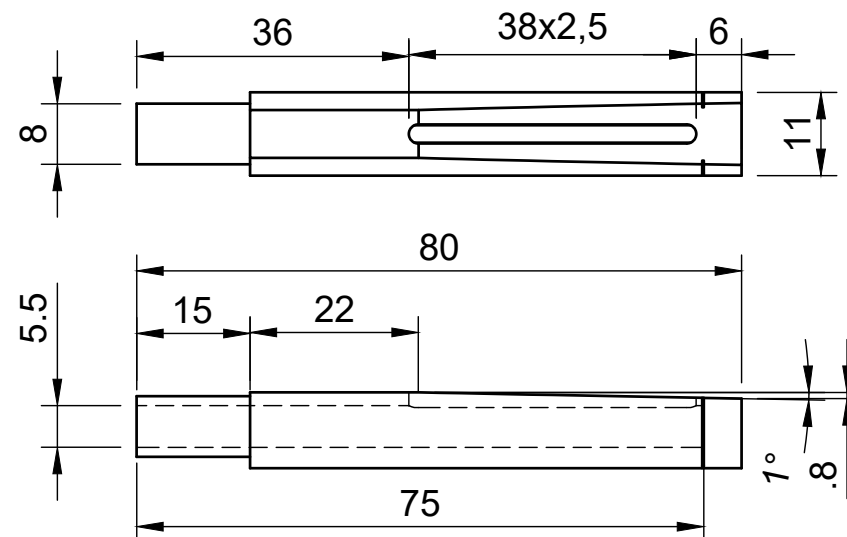
Bass Reed C#



Chanter Reed G#/C#



Bass Reed F#/G#



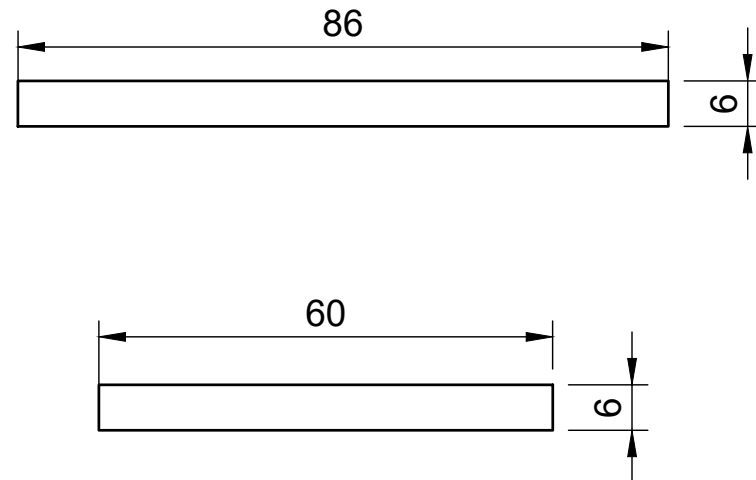
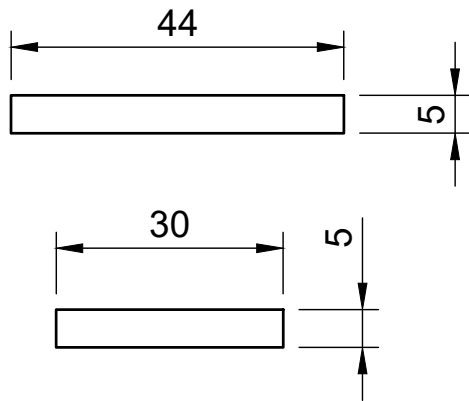
Reed Tongues:

Low Bass Reed; 0,8mm Carbonfiber/ Tied Up 20-22mm, note G#3

Bass Reed; 0,8mm Carbonfiber/ Tied Up 16mm, note C#4-D#4

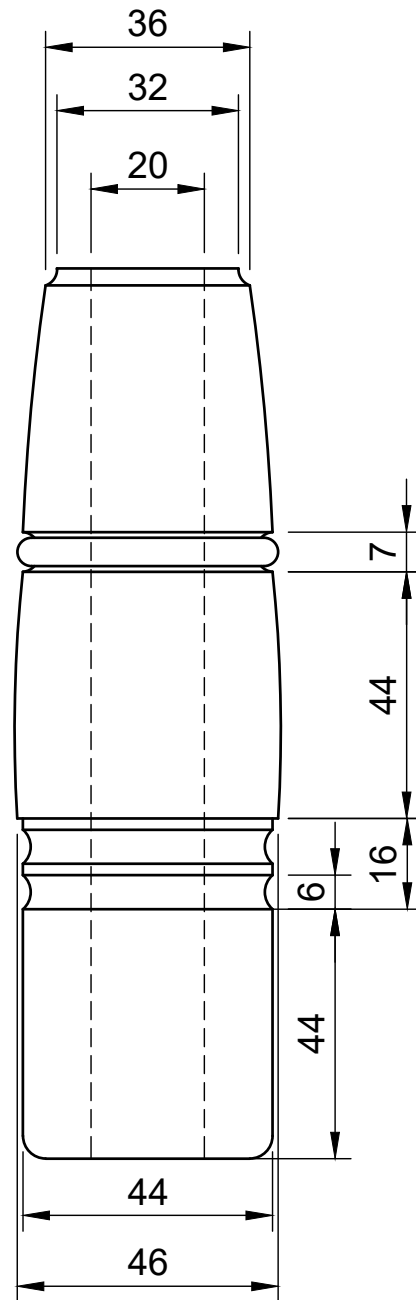
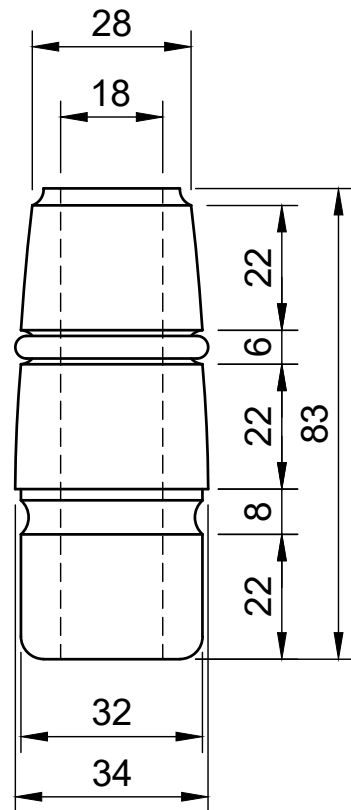
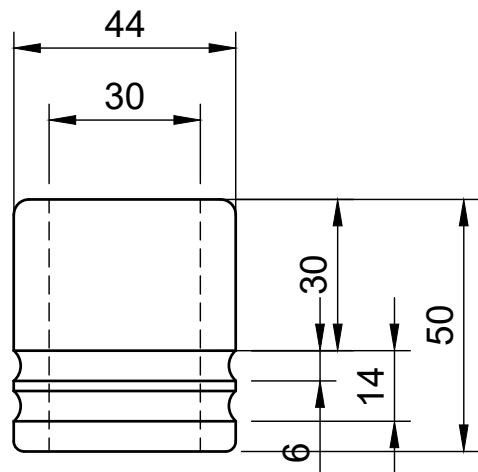
Canter G#/C# Reed; 0,5mm Carbonfiber/ Tied Up 11-13mm, note C#5

Chanter C#/F# Reed: 0,3mm Carbonfiber/ Tied Up 10-12mm, note B5

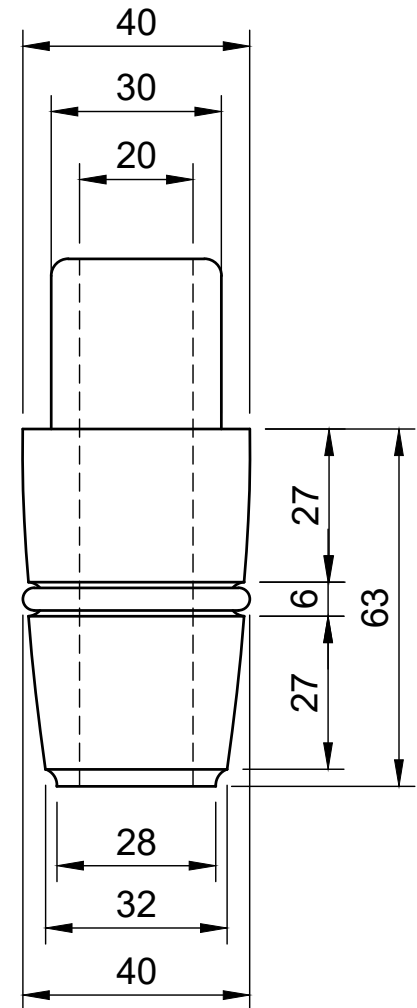


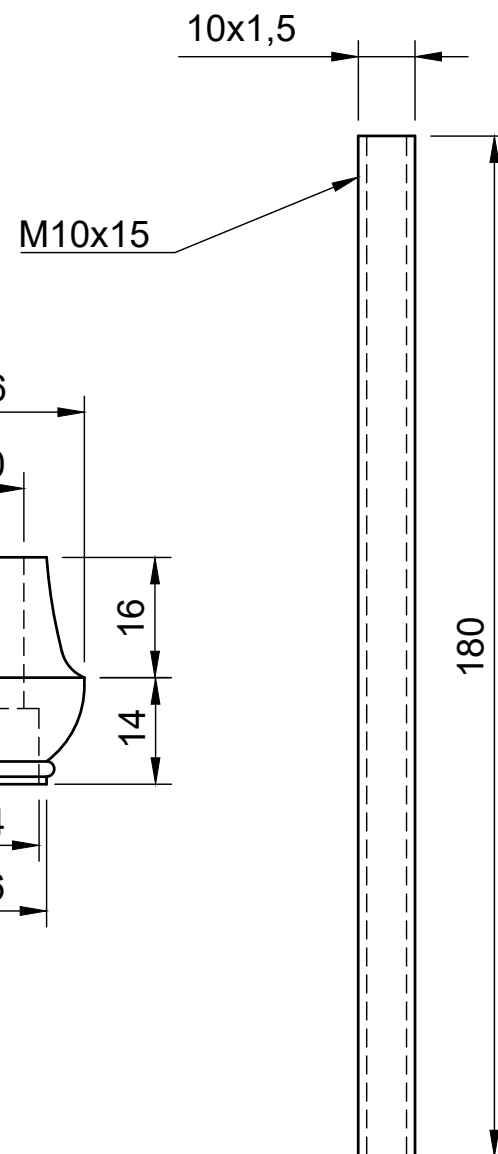
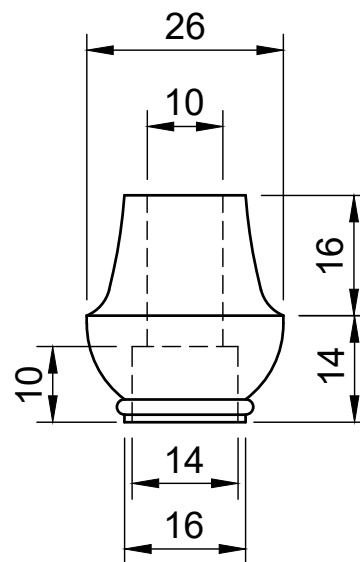
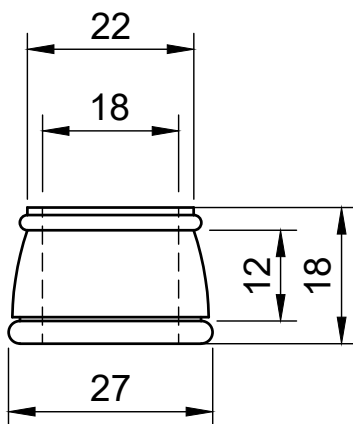
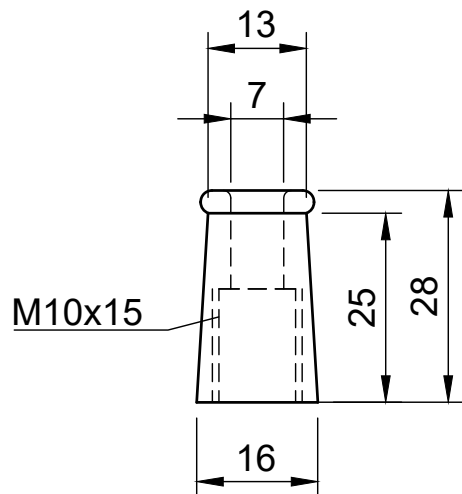
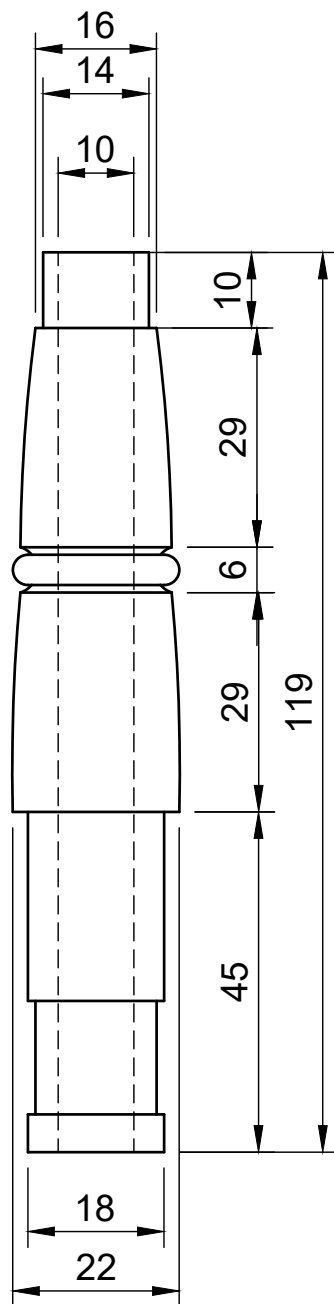
B-B (1:2)



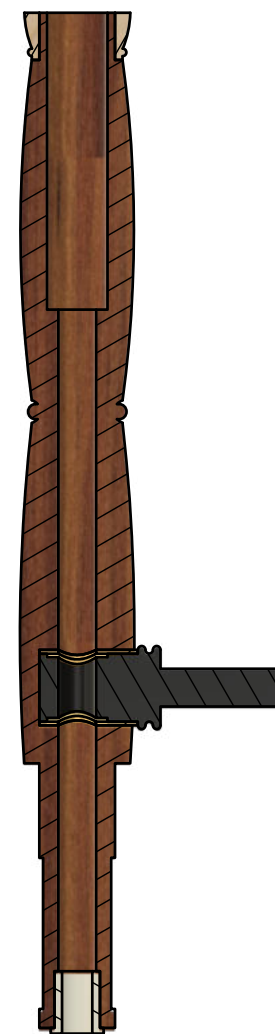


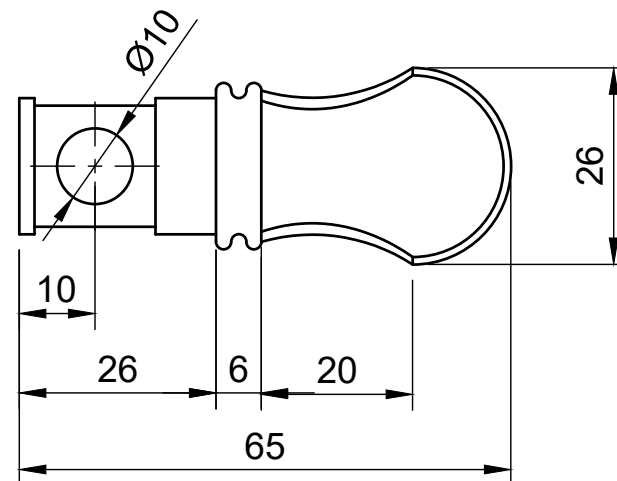
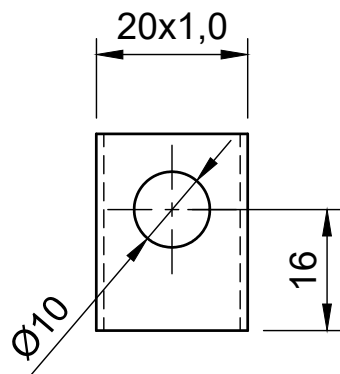
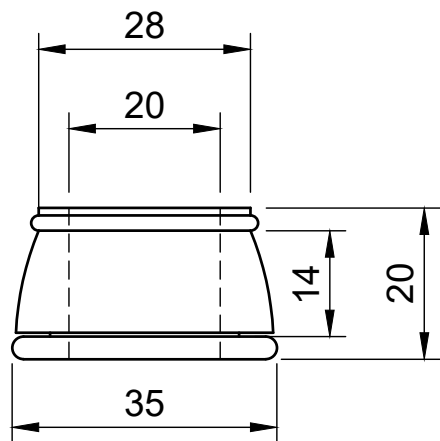
2x



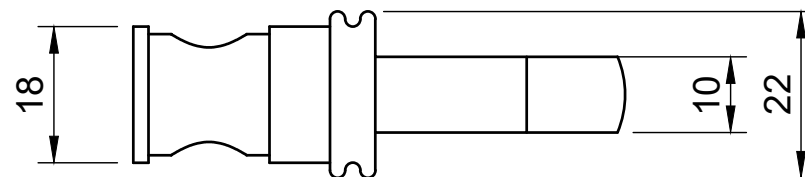
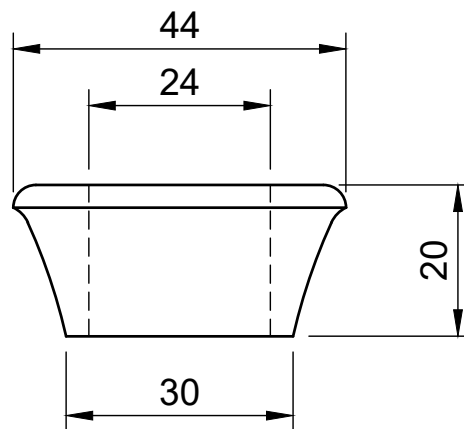
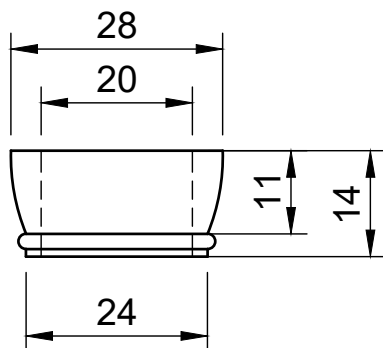


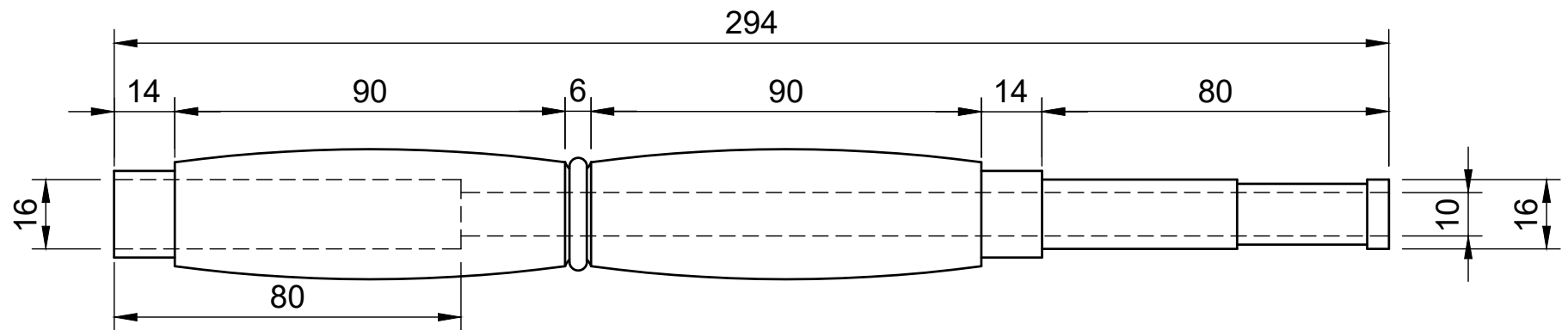
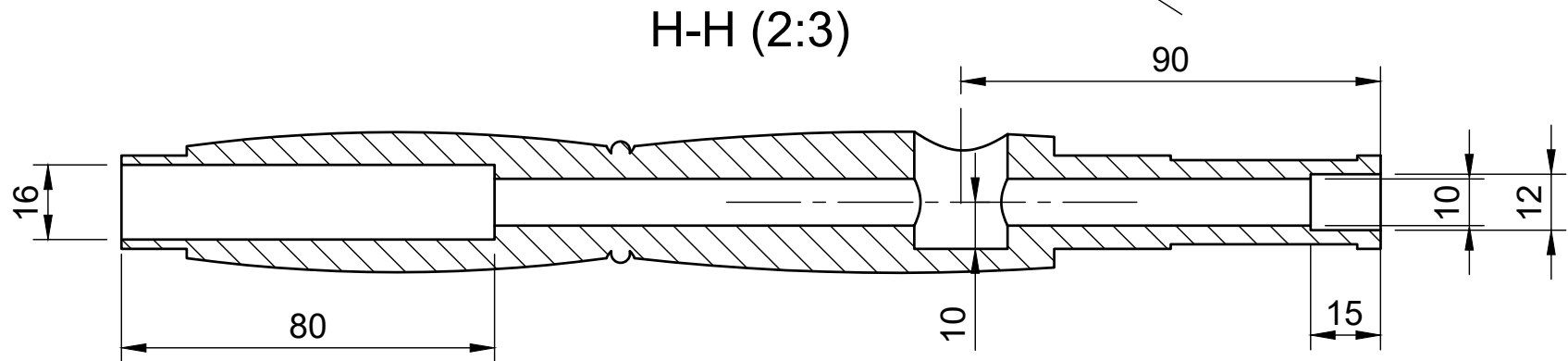
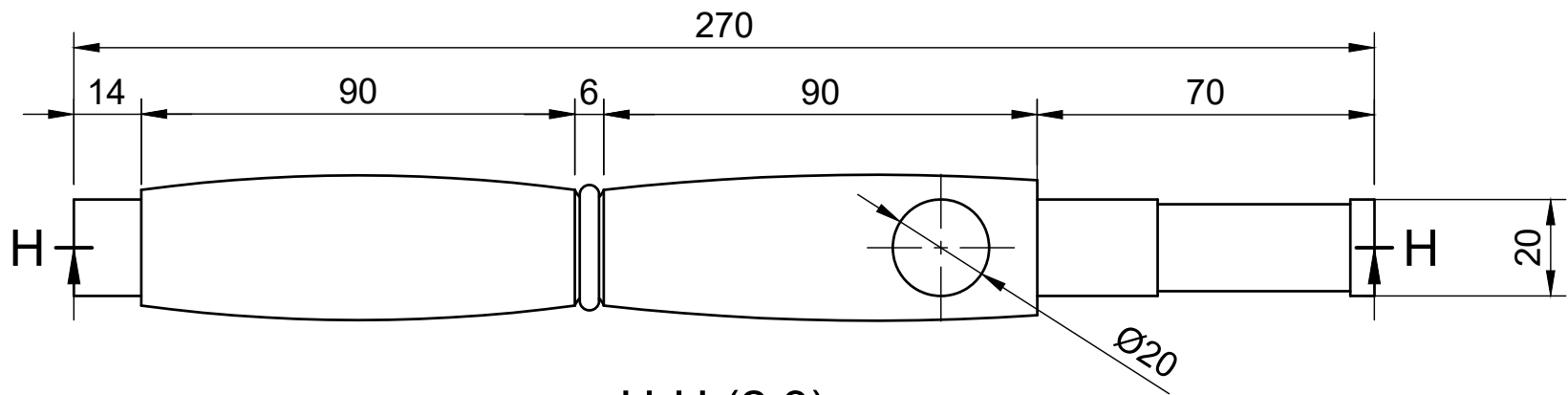
C-C (1:2)

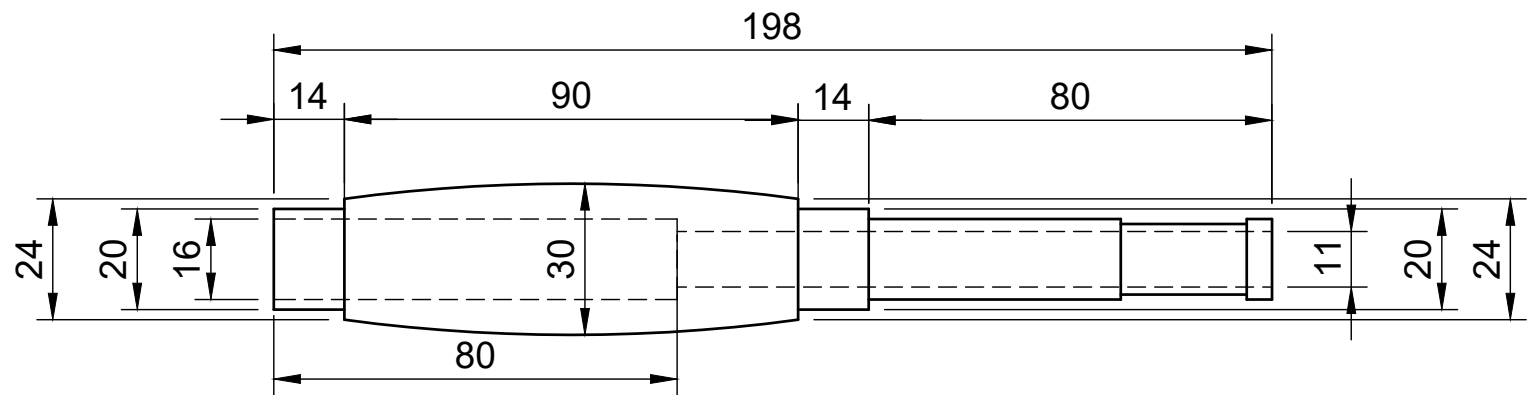
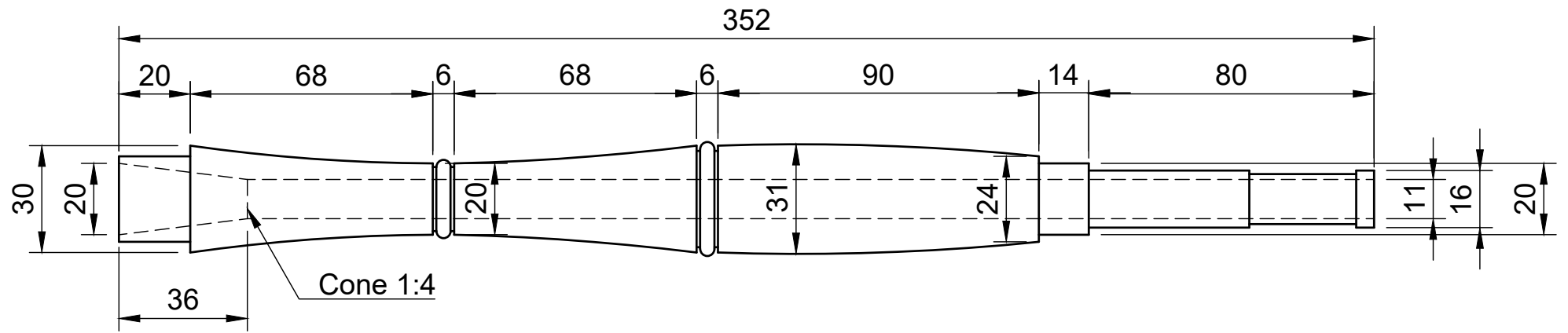




6x







Comment:

1. Add grub screws with spring balls in the M3 threads to hold the drone and Chanter parts in place
2. You can use <https://marksack.de/community/index.php?attachment/1780-ma-sack-pdf/> for a suitable bag, but maybe the neck should be a bit shorter
3. For the cone at the end of the chanter, you can use this reamer:

<https://www.dictum.com/de/rund-konusschneider-bakj/star-m-astloch-reparaturset-717255>

4. The sound should be a bit brighter than in the other plans, because the short cones at the end of drone and low chanter. This and the wider bore tend to give a sound, more like the Bulgarian Kaba Gaida - but a bit more open.
5. The low G#/C# chanter has a wide finger spacing, so people beneath 170cm could have problems to play it.
6. This set bagpipes are designed for musical therapy, healing music and solo playing. It was inspired by the wish of a member of the marksack.de forum, to use bagpipes on his work with patients.