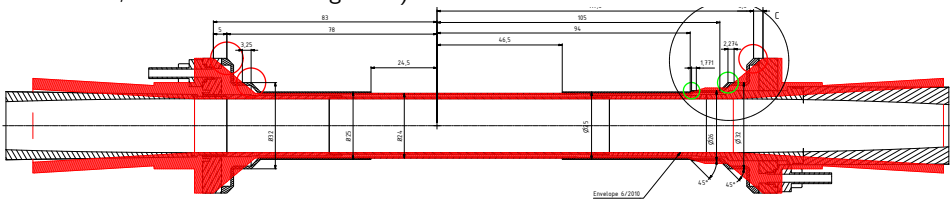


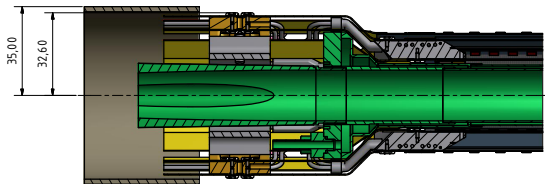
New beampipe design since last B2GM with short beryllium part: cheaper and simpler, **but**: does not honour agreed envelope (green circles: not affecting PXD, red circles: affecting PXD)



- ➔ Discussion with KEKB people:
  - ▶ They agreed to look into this issue and try to reach envelope
  - ▶ We try to make it work with given beampipe design: seems to be feasible but very low clearances.

End of last year, it became clear 6.5 mm kapton cable will not be sufficient.  
Decision to go to 10 mm kapton flex

- ➔ Major redesign to reroute cables, cooling and support



- ▶ new cables required an increase of the outer radius of 3 mm
- ▶ also the lower end of the beampipe shield had to be moved outside by 3 mm
- ➔ discussed with SVD group and seems to be acceptable

- ▶ very little clearance between PXD and beampipe (0.5 mm)
- ▶ mainly dominated by screw
- ▶ large holes in sensor due to new washer design
- ➔ currently looking into possible alternatives (e.g. screw directly on kapton)

