Boma Wheels
for Dortmund (wheel 1, 6, 8)

Robert Ekelhof
for the Dortmund team
Test in Dortmund

- wobbling
  - optically (photos)
  - mechanical
- pin position
  - optically (photos)
- pin width
  - mechanically (Johansson gauge)
pin to thread alignment
wheel 1 / TUDO2

2.95mm < pin width < 3.00mm
wheel 6 / TUDO3

2.95mm < pin width < 3.00mm

no mechanical wobbling measurement
wheel 8 / TUDO4

2.95mm < pin width < 3.00mm
Conclusion

• pin width fine for all pins

• wobbling mainly driven by our axis
  • to test this, we will do a 180° wheel rotate comparison

• pin to thread alignment zero within accuracy (<0.05mm)

• one wheel has a scratch
  • winding test still pending

• no other special observations