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Geometrical parameters of the MDT chambers from X-ray measurements (high voltage end)

	BOS 1998 Chamber		BOS 2000 Chamber	
	X-ray grid fit	Design value	X-ray grid fit	Design value
y-pitch [μm]	26058 ± 0.5	26054 ± 5	26039 ± 0.5	26039 ± 5
z-pitch [μm]	30036.2 ± 0.5	30036 ± 0.5	30035.8 ± 0.5	30036 ± 0.5
y sep. ML [mm]	347.041 ± 0.011	347.040 ± 0.010	346.878 ± 0.005	346.882 ± 0.010
z-sep. ML [μm]	-8 ± 11	0 ± 10	-22 ± 5	0 ± 10
Rms y_{Res} [μm]	19.0		14.3	
Rms z_{Res} [μm]	19.3		10.5	

BOS–Dimensions

(View to HV SUPPORT BEAM)