

Chamber Geometry Parameters From CMM

BMG-9 (BMG-1A-14)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0994 ± 0.00001	15.0993 ± 0.00001	15.0993 ± 0.00001	15.099
y pitch [mm]	13.0839 ± 0.0002	13.0886 ± 0.0001	13.0862 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0082 ± 0.0002	0.0377 ± 0.0004	0.0148 ± 0.0003	-0.007
Δy multilayers [mm]	184.9739 ± 0.0004	184.9986 ± 0.0007	184.9862 ± 0.0005	184.980
rms (σ) z [mm]	0.0105 (0.0069)	0.0130 (0.0142)	0.0148 (0.0152)	0.020
rms (σ) y [mm]	0.0164 (0.0141)	0.0090 (0.0072)	0.0172 (0.0166)	0.020
rms (σ) r [mm]	0.0128 (0.0095)	0.0124 (0.0122)	0.0170 (0.0159)	0.020
BMG-10 (BMG-1C-14)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0992 ± 0.00001	15.0991 ± 0.00001	15.0992 ± 0.00001	15.099
y pitch [mm]	13.0816 ± 0.0002	13.0802 ± 0.0001	13.0809 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0308 ± 0.0002	0.0126 ± 0.0004	-0.0091 ± 0.0003	-0.007
Δy multilayers [mm]	184.9766 ± 0.0004	184.9882 ± 0.0007	184.9819 ± 0.0005	184.980
rms (σ) z [mm]	0.0085 (0.0076)	0.0052 (0.0047)	0.0111 (0.0108)	0.020
rms (σ) y [mm]	0.0102 (0.0089)	0.0066 (0.0056)	0.0098 (0.0094)	0.020
rms (σ) r [mm]	0.0090 (0.0074)	0.065 (0.0046)	0.0118 (0.0109)	0.020
BMG-11 (BMG-1A-12)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0991 ± 0.00001	15.0991 ± 0.00001	15.0991 ± 0.00001	15.099
y pitch [mm]	13.0776 ± 0.0002	13.0819 ± 0.0001	13.0798 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0126 ± 0.0002	- 0.0007 ± 0.0004	-0.0067 ± 0.0003	-0.007
Δy multilayers [mm]	184.9886 ± 0.0004	184.9669 ± 0.0006	184.9778 ± 0.0005	184.980
rms (σ) z [mm]	0.0082 (0.0051)	0.0064 (0.0050)	0.0079 (0.0058)	0.020
rms (σ) y [mm]	0.0101 (0.0056)	0.0091 (0.0086)	0.0102 (0.0081)	0.020
rms (σ) r [mm]	0.0102 (0.0054)	0.0080 (0.0051)	0.0098 (0.0059)	0.020