

Chamber Geometry Parameters From CMM

BMG-6 (BMG-2C-14)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0993 ± 0.00001	15.0990 ± 0.00001	15.0992 ± 0.00001	15.099
y pitch [mm]	13.0873 ± 0.0002	13.0805 ± 0.0001	13.0839 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0068 ± 0.0002	- 0.0050 ± 0.0004	-0.0059 ± 0.0003	-0.007
Δy multilayers [mm]	184.9763 ± 0.0004	184.9855 ± 0.0007	184.9809 ± 0.0005	184.980
rms (σ) z [mm]	0.0092 (0.0068)	0.0076 (0.0048)	0.0086 (0.0059)	0.020
rms (σ) y [mm]	0.0124 (0.0100)	0.0078 (0.0054)	0.0110 (0.0085)	0.020
rms (σ) r [mm]	0.0116 (0.0078)	0.0078 (0.0053)	0.0099 (0.0068)	0.020
BMG-7 (BMG-2A-12)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0993 ± 0.00001	15.0990 ± 0.00001	15.0991 ± 0.00001	15.099
y pitch [mm]	13.0840 ± 0.0002	13.0804 ± 0.0001	13.0822 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0047 ± 0.0002	- 0.0123 ± 0.0004	-0.0085 ± 0.0003	-0.007
Δy multilayers [mm]	184.9840 ± 0.0004	184.9784 ± 0.0007	184.9812 ± 0.0005	184.980
rms (σ) z [mm]	0.0063 (0.0058)	0.0081 (0.0072)	0.0072 (0.0062)	0.020
rms (σ) y [mm]	0.0095 (0.0078)	0.0098 (0.0067)	0.0111 (0.0090)	0.020
rms (σ) r [mm]	0.0079 (0.0070)	0.0109 (0.0076)	0.0102 (0.0071)	0.020
BMG-8 (BMG-1C-12)	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0994 ± 0.00001	15.0992 ± 0.00001	15.0993 ± 0.00001	15.099
y pitch [mm]	13.0834 ± 0.0002	13.0793 ± 0.0001	13.0814 ± 0.0001	13.085
Δz multilayers [mm]	- 0.0089 ± 0.0002	0.0015 ± 0.0004	-0.0037 ± 0.0003	-0.007
Δy multilayers [mm]	184.9874 ± 0.0004	184.9823 ± 0.0006	184.9844 ± 0.0005	184.980
rms (σ) z [mm]	0.0066 (0.0054)	0.0062 (0.0043)	0.0068 (0.0054)	0.020
rms (σ) y [mm]	0.0111 (0.0090)	0.0075 (0.0072)	0.0108 (0.0098)	0.020
rms (σ) r [mm]	0.0084 (0.0075)	0.0060 (0.0046)	0.0063 (0.0077)	0.020