

# Chamber Geometry Parameters From CMM

<b>BMG-12 (BMG-3C-12)</b>	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0991 ± 0.00001	15.0990 ± 0.00001	15.0990 ± 0.00001	15.099
y pitch [mm]	13.0789 ± 0.0002	13.0788 ± 0.0001	13.0789 ± 0.0001	13.085
Δz multilayers [mm]	-0.0115 ± 0.0002	-0.0193 ± 0.0004	-0.0154 ± 0.0003	-0.007
Δy multilayers [mm]	184.9909 ± 0.0007	184.8168 ± 0.0007	184.9039 ± 0.0005	184.975
rms (σ) z [mm]	0.0062 (0.0047)	0.0060 (0.0046)	0.0062 (0.0056)	0.020
rms (σ) y [mm]	0.0080 (0.0045)	0.0078 (0.0062)		0.020
rms (σ) r [mm]	0.0082 (0.0051)	0.0058 (0.0070)		0.020
<b>BMG-1 (BMG-3A-12)</b>	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0991 ± 0.00001	15.0990 ± 0.00001	15.0990 ± 0.00001	15.099
y pitch [mm]	13.0907 ± 0.0002	13.0841 ± 0.0001	13.0877 ± 0.0001	13.085
Δz multilayers [mm]	-0.0164 ± 0.0002	-0.0005 ± 0.0004	-0.0085 ± 0.0003	-0.007
Δy multilayers [mm]	184.9667 ± 0.0004	184.9731 ± 0.0007	184.9697 ± 0.0005	184.975
rms (σ) z [mm]	0.0078 (0.0061)	0.0075 (0.0053)	0.0080 (0.0061)	0.020
rms (σ) y [mm]	0.0143 (0.0100)	0.0111 (0.0101)	0.0126 (0.0112)	0.020
rms (σ) r [mm]	0.0101 (0.0065)	0.0089 (0.0061)	0.0099 (0.0070)	0.020
<b>BMG-2 (BMG-3A-14)</b>	RO side	HV side	RO & HV common fit	Nominal
z pitch [mm]	15.0993 ± 0.00001	15.0992 ± 0.00001	15.0992 ± 0.00001	15.099
y pitch [mm]	13.0929 ± 0.0002	13.0838 ± 0.0001	13.0883 ± 0.0001	13.085
Δz multilayers [mm]	-0.0117 ± 0.0002	-0.0044 ± 0.0004	-0.0081 ± 0.0003	-0.007
Δy multilayers [mm]	184.9539 ± 0.0004	184.9758 ± 0.0007	184.9643 ± 0.0005	184.975
rms (σ) z [mm]	0.0082 (0.0063)	0.0054 (0.0041)	0.0070 (0.0051)	0.020
rms (σ) y [mm]	0.0190 (0.0146)	0.0093 (0.0067)	0.0153 (0.0110)	0.020
rms (σ) r [mm]	0.0102 (0.0096)	0.0066 (0.0049)	0.0085 (0.0074)	0.020