

Chamber Geometry Parameters From CMM

BMG-3 (BMG-3C-14)	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]	13.0790 ± 0.0002	13.0786 ± 0.0001	13.0788 ± 0.0001	13.085
Δz multilayers [mm]	-0.0089 ± 0.0002	0.0052 ± 0.0004	-0.0018 ± 0.0003	-0.007
Δy multilayers [mm]	184.9870 ± 0.0004	184.9866 ± 0.0007	184.9868 ± 0.0005	184.975
rms (σ) z [mm]	0.0047 (0.0039)	0.0057 (0.0050)	0.0061 (0.0052)	0.020
rms (σ) y [mm]	0.0069 (0.0060)	0.0069 (0.0059)	0.0070 (0.0062)	0.020
rms (σ) r [mm]	0.0050 (0.0041)	0.0053 (0.0044)	0.0056 (0.0049)	0.020
BMG-4 (BMG-2C-12)	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]	13.0819 ± 0.0002	13.0779 ± 0.0001	13.0799 ± 0.0001	13.085
Δz multilayers [mm]	-0.0089 ± 0.0002	-0.0078 ± 0.0004	-0.0084 ± 0.0003	-0.007
Δy multilayers [mm]	184.9849 ± 0.0004	184.9889 ± 0.0007	184.9869 ± 0.0005	184.975
rms (σ) z [mm]	0.0084 (0.0075)	0.0046 (0.0038)	0.0068 (0.0055)	0.020
rms (σ) y [mm]	0.0125 (0.0106)	0.0056 (0.0051)	0.0102 (0.0082)	0.020
rms (σ) r [mm]	0.0098 (0.0084)	0.0048 (0.0043)	0.0079 (0.0065)	0.020
BMG-5 (BMG-2A-14)	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]	13.0794 ± 0.0002	13.0784 ± 0.0001	13.0790 ± 0.0001	13.085
Δz multilayers [mm]	-0.0077 ± 0.0002	-0.0037 ± 0.0004	-0.0056 ± 0.0003	-0.007
Δy multilayers [mm]	184.9834 ± 0.0004	184.9384 ± 0.0006	184.9610 ± 0.0005	184.975
rms (σ) z [mm]	0.0079 (0.0064)	0.0063 (0.0042)	0.0072 (0.0050)	0.020
rms (σ) y [mm]	0.0114 (0.0087)	0.0072 (0.0059)	0.0152 (0.0143)	0.020
rms (σ) r [mm]	0.0098 (0.0075)	0.0060 (0.0044)	0.0097 (0.0080)	0.020