

QUADRUPOLE (QF) (QD) (6 bunches case)

Parametres	Value	Half beam size
Beta x (120%) [m]	15.2	40.5 mm
Dx (120%) [m]	2.3	2.3 mm
COD [mm]	5	
Mechanical tolerance [mm]	3	
Vacuum chamber [mm]	5	
Bore radius [mm]	56	
Field gradient [T/m]	5.5	
Field at pole tip [T]	0.3	
Magnetic Length [m]	1.2	

Bending

Parametres	Value	Half beam size
Beta x (120%) [m]	11.1	37.4 mm
Dx (120) [m]	2	2.0 mm
COD [mm]	5	
Mechanical tolerance [mm]	3	
Vacuum chamber [mm]	10	
Sagittal orbit [mm]	25	
Good field region [%]	80	
Horizontal aperture (full) [mm]	162	
Beta y (120%) [m]	10.4	33.4 mm
COD [mm]	5	
Mechanical tolerance [mm]	3	
Vacuum chamber [mm]	10	
Vertical gap (full) [mm]	103	
Field strenght [T]	1.7	
Magnetic length [m]	1.5	

