	Object	Center	Axis	Parameters	Clip plane	Density
Thorax	Cylinder	[0, 0, 0]	[0, 0, 1]	L=50 ax=20 ay=10		1.000
Arm L	Cylinder	[-20, 0, 17.5]	[0, 0, 1]	L=15 R=5		1.000
Arm R	Cylinder	[20, 0, 17.5]	[0, 0, 1]	L=15 R=5		1.000
Lunge L	Ellipsoid	[-10.5, 0, 0]		ax=7.5 ay=5.5 az=15		0.260
Lunge R	Ellipsoid	[10.5, 0, 0]		ax=7.5 ay=5.5 az=15		0.260
Heart	Shere	[0, 4, 0]		R=3.5		1.050
Sternum	Box Box	[0, 9, 2.5] [0, 9, 2.5]		Lx=2.5 Ly=0.8 Lz=25 Lx=2 Ly=0.5 Lz=25		1.250 0.980
Clavicle L	Cylinder Cylinder	[-10, 5.5, 16] [-10, 5.5, 16]	[20, 9, -2] [20, 9, -2]	L=17 R=0.5 L=16.5 R=0.4		1.460 0.980
Clavicle R	Cylinder Cylinder	[10, 5.5, 16] [10, 5.5, 16]	[20, -9, 2] [20, -9, 2]	L=17 R=0.5 L=16.5 R=0.4		1.460 0.980
Shoulder blade L	Ellipsoid_free Ellipsoid_free	[-12 ,-5, 15] [-12 ,-5, 15]	Ax[2,-1, 0] Ay[1, 2, 0] Ax[2,-1, 0] Ay[1, 2, 0]	ax=4.5 ay=0.5 az=6 ax=4 ay=0.4 az=5.5	Z<15	1.460 0.980
Shoulder blade R	Ellipsoid_free Ellipsoid_free	[12 ,-5, 15] [12 ,-5, -15]	Ax[2, 1, 0] Ay[-1, 2, 0] Ax[2,-1, 0] Ay[1, 2, 0]	ax=4.5 ay=0.5 az=6 ax=4 ay=0.4 az=5.5	Z<15	1.460 0.980
Humerus L	Sphere Sphere Sphere Sphere	[-22, 0, 15] [-16.5, 0, 15] [-22, 0, 15] [-16.5, 0, 15]		R=2.5 R=2.5 R=2 R=2		1.460 1.460 0.980 0.980
Humerus R	Sphere Sphere Sphere Sphere	[22, 0, 15] [16.5, 0, 15] [22, 0, 15] [16.5, 0, 15]		R=2.5 R=2.5 R=2 R=2		1.460 1.460 0.980 0.980
Aorta	Cylinder Cylinder Cylinder	[-2.5, -2.5, 0] [-1, 1, 7.5] [-0.5, 4.5, 6]	[0, 0, 1] [3, 7, 0] [0, 0, 1]	L=30 R=1 L=20 R=1 L=6 R=1	R(3,7,7.615)<2.982 R(3,7,7.615)>2.982 R(1, 2, -2.236)<-2.239 R(1, 2, -2.236) >-2.239	1.050 1.050 1.050

Table 1: Definition of the different parts of the phantom

Object	Center	Axis	Param	Clip plane	density
Cylinder	[X, Y, Z]	[0, 0, 1]	L=2 R=1.75		1.920
Box	[X, Y-1.4, Z]		Lx=2.343 Ly=0.2 Lz=2		1.920
Cylinder	[X, Y, Z]	[0, 0, 1]	L=2 R=1.5		1.180
Box	[X-2, Y-1.975, Z]		Lx=4 Ly=0.95 Lz=2	R(-0.95, 2.828, 0) < -1.04893-0.318392 +0.947959 Y R(-2, 32, 0) > -2.19572-0.0623783 X+0.998053 Y	1.920
Box	[X+2, Y-1.975, Z]		Lx=4 Ly=0.95 Lz=2	R(-0.95, 2.828, 0) < -1.04893 +0.318392 +0.947959 Y R(2, 32, 0)> -2.19572 +0.0623783 X +0.998053 Y	1.920
Box	[X, 2.35+Y, Z]		Lx=1.6 Ly=0.3 Lz=2	R(-2,4,0)> -2.37023 -0.447214 X +0.894427 Y R(-2,-4,0)< 2.37023 -0.447214 X -0.894427 Y	1.920
Box	[X, -3.25+Y, Z]		Lx=0.8 Ly=1.6 Lz=2		1.920
Cylinder	[X, Y-4.05, Z]	[0, 0, 1]	L=17 R=0.5	Y < Y-4.05	1.920

Table 2: Definition of a vertebra at the position (X, Y, Z)

The phantom consists of 9 vertebras placed at X=0, Y=-5 and Z between –6 and 15.

Center	Axis	Clip plane	density
x=5.716814 y=8.559509 z=-5.230811	17.594546 -2.781153 1.699593	r(1.907146,-0.481971,0.294538) <5.451355 r(1.983271,-0.155425,0.094982) >1.953178	1.410 / 0.980
x=10.874027 y=7.281153 z=-4.449593	14.966814 -5.290067 3.232819	r(1.710571,-0.853311,0.521468) <7.622861 r(1.907146,-0.481971,0.294538) >5.451355	1.410 / 0.980
x=14.966814 y=5.290067 z=-3.232819	10.874027 -7.281153 4.449593	r(1.281833,-1.268109,0.774956) <7.228981 r(1.710571,-0.853311,0.521468) >7.622861	1.410 / 0.980
x=17.594546 y=2.781153 z=-1.699593	5.716814 -8.559509 5.230811	r(0.495137,-1.594626,0.974494) <3.123195 r(1.281833,-1.268109,0.774956) >7.228981	1.410 / 0.980
x=18.500000 y=-0.000000 z=0.000000	-0.000000 -9.000000 5.500000	r(-0.495137,-1.594626,0.974494) <-3.123195 r(0.495137,-1.594626,0.974494) >3.123195	1.410 / 0.980
x=17.594546 y=-2.781153 z=1.699593	-5.716814 -8.559509 5.230811	r(-1.281833,-1.268109,0.774956) <-7.228981 r(-0.495137,-1.594626,0.974494) >-3.123195	1.410 / 0.980
x=14.966814 y=-5.290067 z=3.232819	-10.874027 -7.281153 4.449593	r(-1.710571,-0.853311,0.521468) <-7.622861 r(-1.281833,-1.268109,0.774956) >-7.228981	1.410 / 0.980
x=10.874027 y=-7.281153 z=4.449593	-14.966814 -5.290067 3.232819	r(-1.907146,-0.481971,0.294538) <-5.45135 r(-1.710571,-0.853311,0.521468) >-7.622861	1.410 / 0.980
x=5.716814 y=-8.559509 z=5.230811	-17.594546 -2.781153 1.699593	r(-1.983271,-0.155425,0.094982) <-1.953178 r(-1.907146,-0.481971,0.294538) >-5.451355	1.410 / 0.980

Table 3: Definition of the 9 cylinders composing the rib at the position Z=0. The four other ribs are just translated to Z=± 3 and Z=± 6.

The ribs lie on the ellipse of parameters a=-18.5, b=9, c=-5.5.
All the cylinders composing a rib have a radius of 0.5. The inner cylinders for the marrowbone have a radius of 0.4.