WHAT IS CLAIMED IS:

1. A femoral component of a hip implant device, comprising:

(a) a neck having a central axis; and

(b) a body distal to the neck, the body having a tapered portion, wherein the body has a largest cross section perpendicular to the neck central axis, the largest cross section perpendicular to the neck central axis having a maximum height dimension and a maximum width dimension, wherein the maximum height dimension is ~~about~~ 23.9 mm or less.

2. The femoral component of claim 1, wherein the maximum height dimension is between ~~about~~ 20.3 mm and 23.9 mm.

3. The femoral component of claim 1, wherein the maximum width dimension is ~~about~~ 18.5 mm or less.

4. The femoral component of claim 3, wherein the maximum width dimension is between ~~about~~ 15.7 mm and 18.5 mm.

5. The femoral component of claim 1, wherein the tapered portion is tapered from proximal to distal in the sagittal and coronal planes.

6. The femoral component of claim 5, wherein the tapered portion is further tapered in the lateral to medial in cross section.

7. The femoral component of claim 1, wherein the body has an exterior surface and wherein the femoral component further comprises a porous surface coating applied circumferentially to the surface of the body.

8. The femoral component of claim 7, wherein the porous surface coating is applied by plasma spray.

9. The femoral component of claim 7, wherein the porous surface coating comprises metal.

10. The femoral component of claim 9, wherein the porous surface coating comprises titanium.

11. The femoral component of claim 7, wherein the body is titanium and wherein the porous surface coating is titanium.

12. A femoral component of a hip implant device, comprising:

(a) a neck having a central axis;

(b) a body distal to the neck and having a tapered portion, wherein the body has a largest cross section perpendicular to the neck central axis, the largest cross section perpendicular to the neck central axis having a maximum height dimension and a maximum width dimension, wherein the maximum width dimension is ~~about~~ 18.5 mm or less.

13. The femoral component of claim 12, wherein the maximum width dimension is between ~~about~~ 15.7 mm and 18.5 mm.

14. The femoral component of claim 12, wherein the maximum height dimension is ~~about~~ 23.9 mm or less.

15. The femoral component of claim 14, wherein the maximum height dimension is between ~~about~~ 20.3 mm and 23.9 mm.

16. The femoral component of claim 12, wherein the tapered portion is tapered from proximal to distal in the sagittal and coronal planes.

17. The femoral component of claim 16, wherein the tapered portion is further tapered in the lateral to medial in cross section.

18. The femoral component of claim 12, wherein the body has an exterior surface and wherein the femoral component further comprises a porous surface coating applied circumferentially to the surface of the body.

19. The femoral component of claim 18, wherein the porous surface coating is applied by plasma spray.

20. The femoral component of claim 19, wherein the porous surface coating comprises metal

21. The femoral component of claim 20, wherein the porous surface coating comprises titanium.

22. The femoral component of claim 18, wherein the body is titanium and wherein the porous surface coating is titanium.