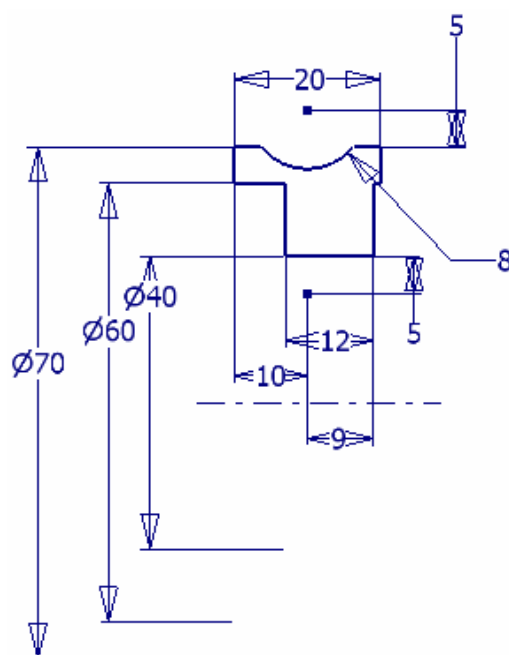


Crie o *sketch* seguinte.



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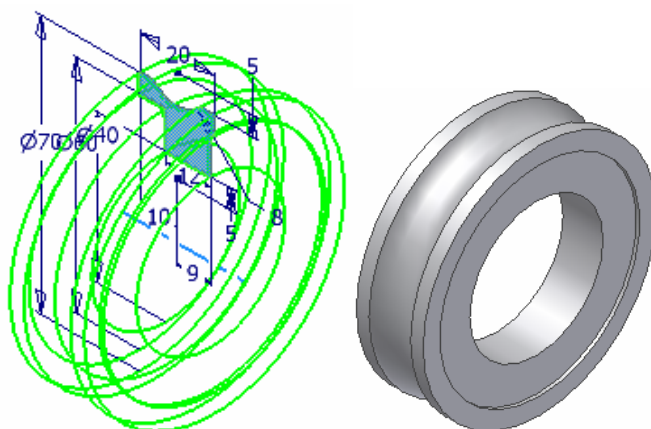
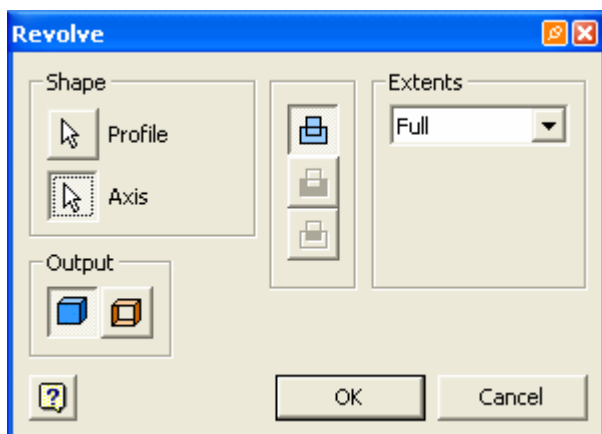
Tutoriais Autodesk Inventor


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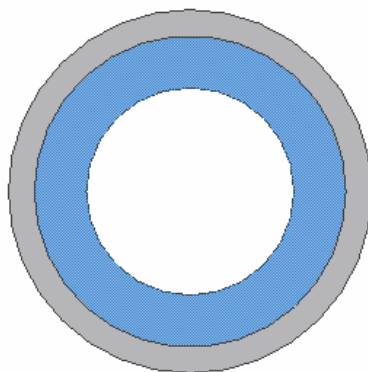
Versão 10

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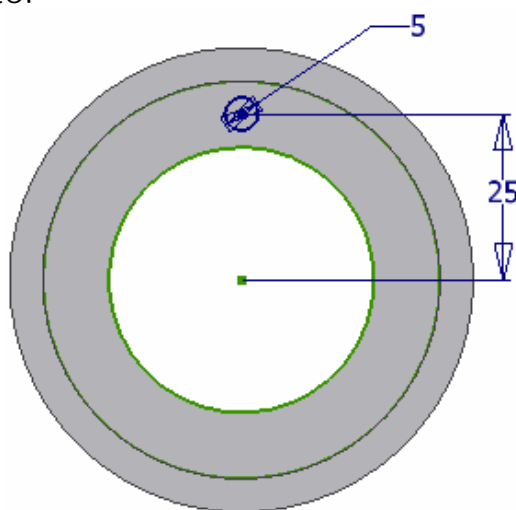
Faça clique em  Revolve **R** ou **R** para definir uma revolução do perfil em **360°**.



Selecione a face indicada no modelo e clique em  Sketch para definir um novo plano de *sketch*.



Defina o *sketch* seguinte.



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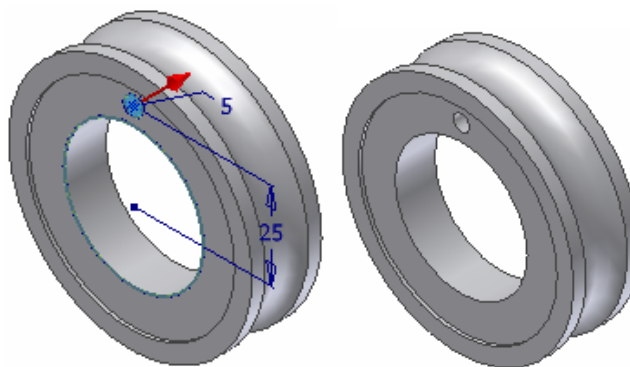
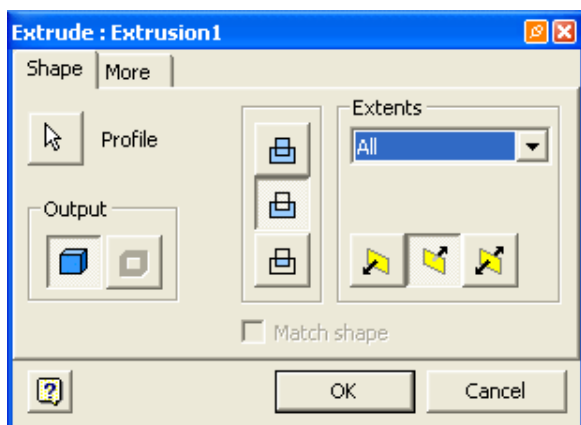
Ano


2005

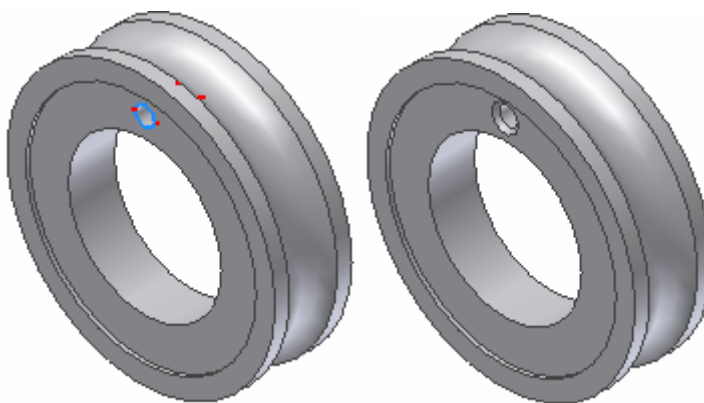
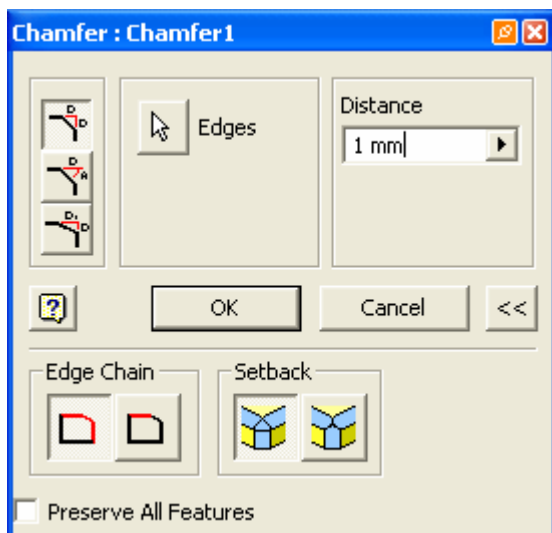
Versão 10


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Faça clique em  Extrude E ou em E para definir uma extrusão, em modo de corte, por todo o modelo.



Faça clique em  Chamfer Shift+K para definir um chanfro de **1mm** nas do furo criado anteriormente.



Faça clique em  Circular Pattern Shift+O para definir uma cópia circular do furo anterior. Faça clique em *Features* e seleccione as *Features* a copiar, a partir da área gráfica ou do *browser*.

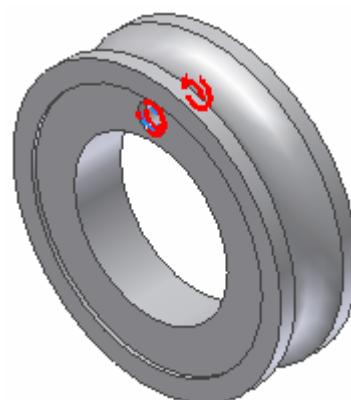
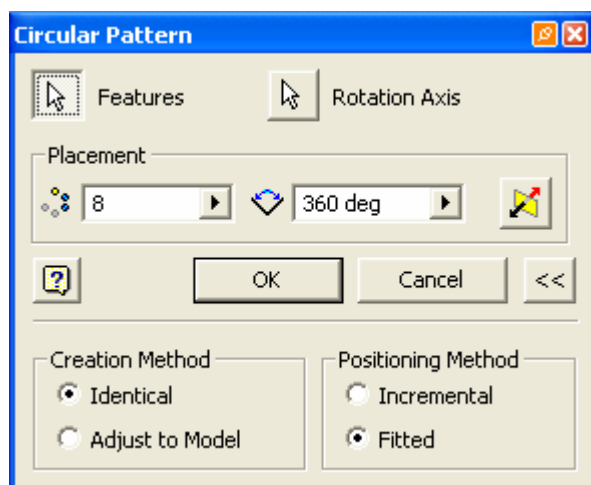
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Tutoriais Autodesk Inventor

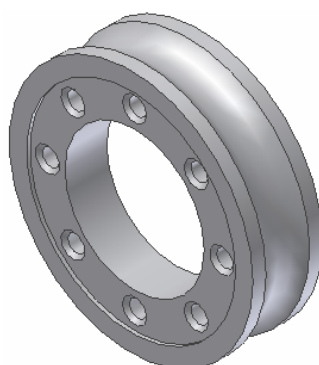
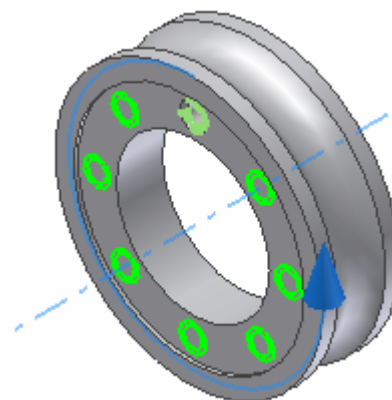
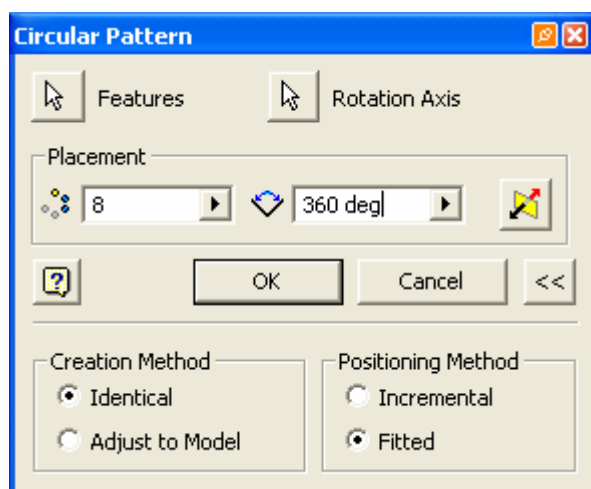
Ano 2005

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Faça clique em *Rotation Axis* e seleccione a superfície cilíndrica indicada.



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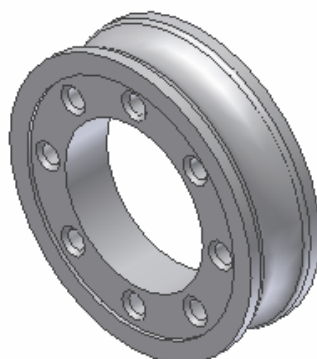
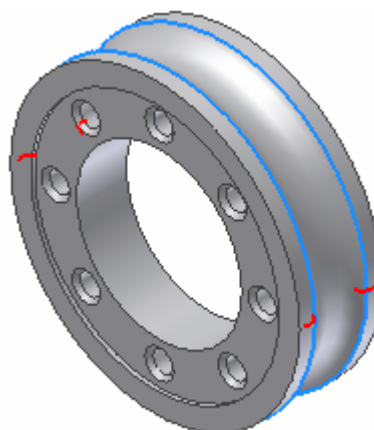
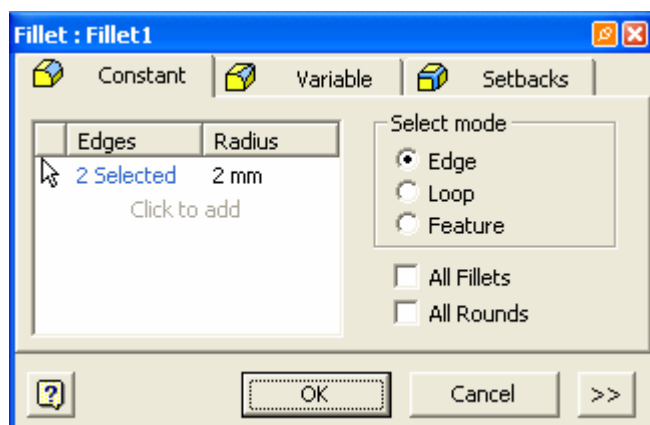
Ano


2005

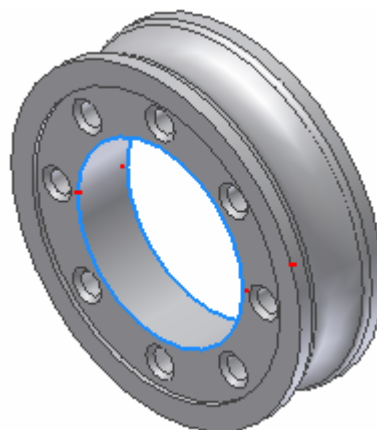
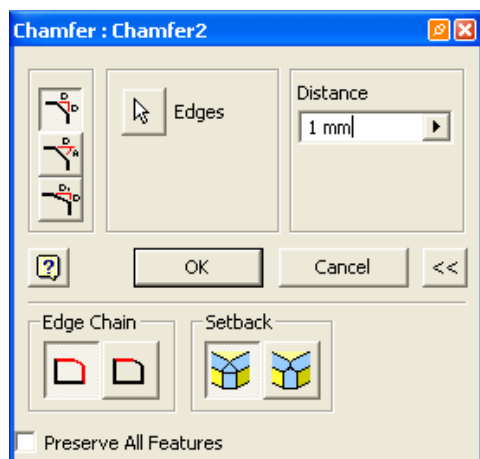
Versão 10

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Faça clique em  **Fillet** **Shift+F** para definir um raio de **2 mm** nas arestas indicadas do modelo.



Faça clique em  **Chamfer** **Shift+K** para definir um chanfro de **1mm** nas do furo criado anteriormente.



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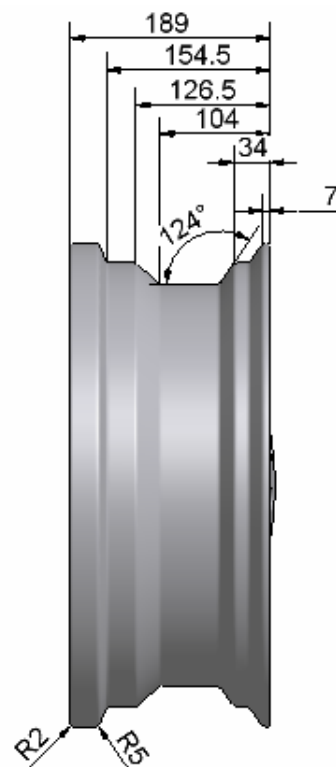
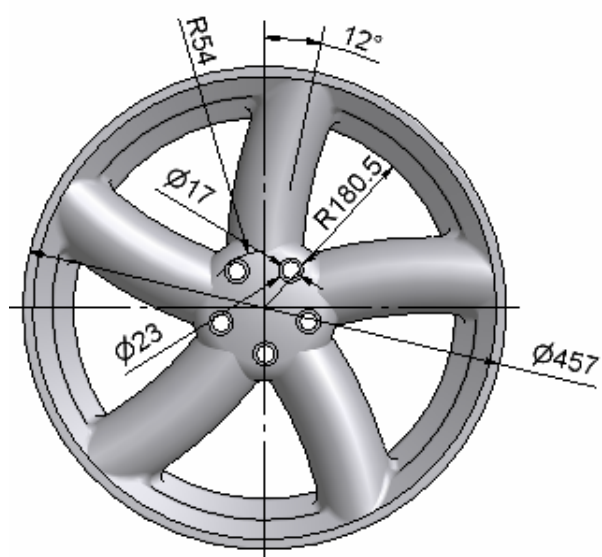
Ano

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Crie o *sketch* seguinte.

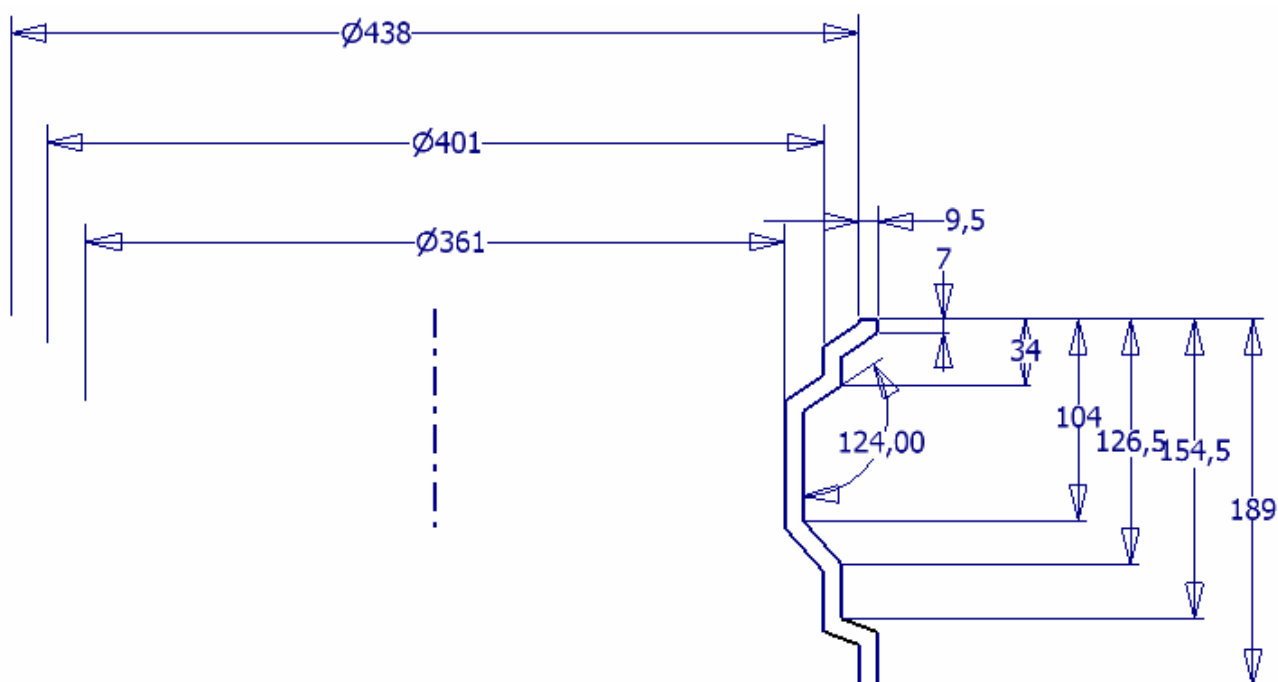
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Tutoriais Autodesk Inventor

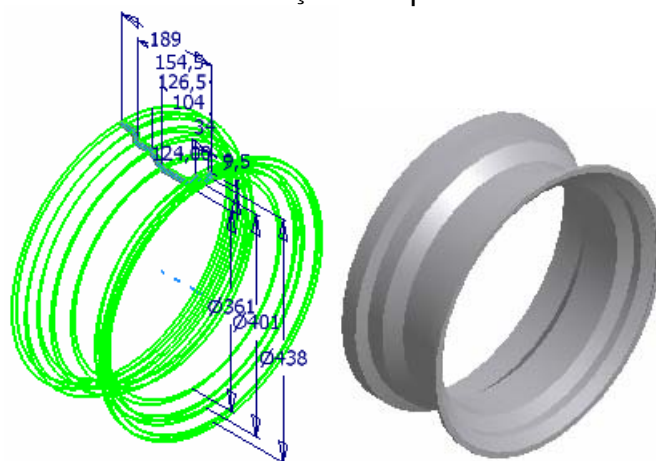
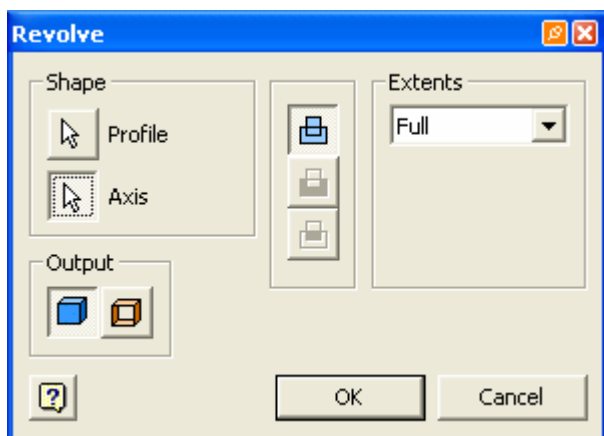
Ano 2005


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Faça clique em  Revolve **R** ou **R** para definir uma revolução do perfil em **360°**.



Faça clique em  Work Axis **TIL** para criar um eixo no centro da forma cilíndrica. Selecciona a superfície cilíndrica do modelo.

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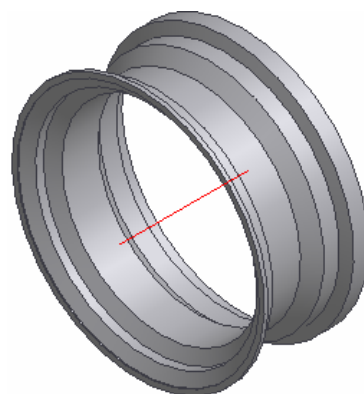
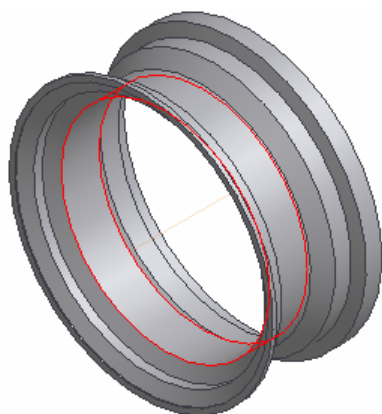
Tutoriais Autodesk Inventor



Ano

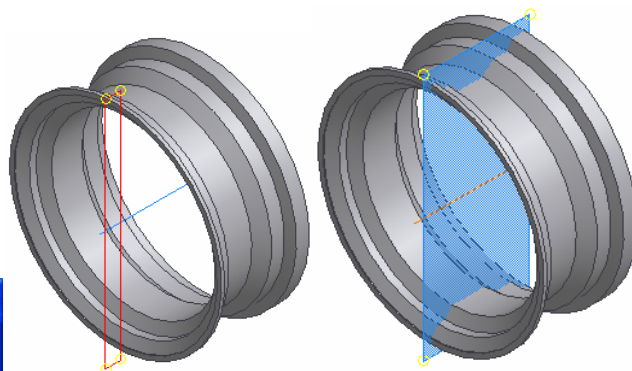
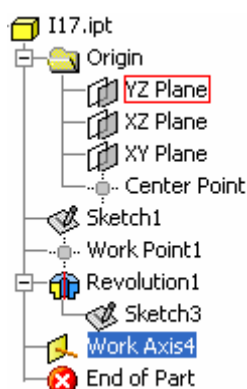
2005



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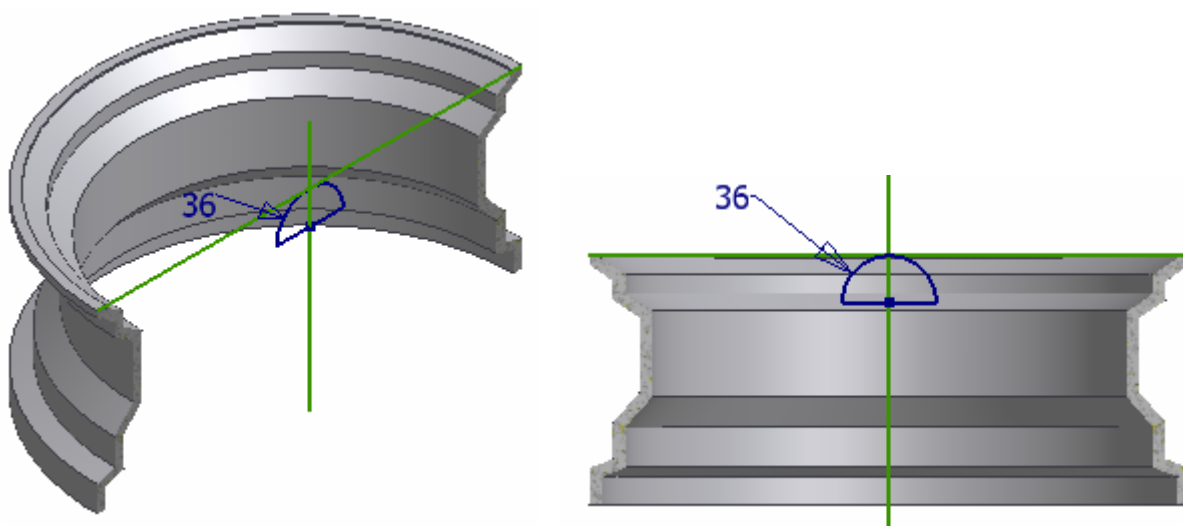
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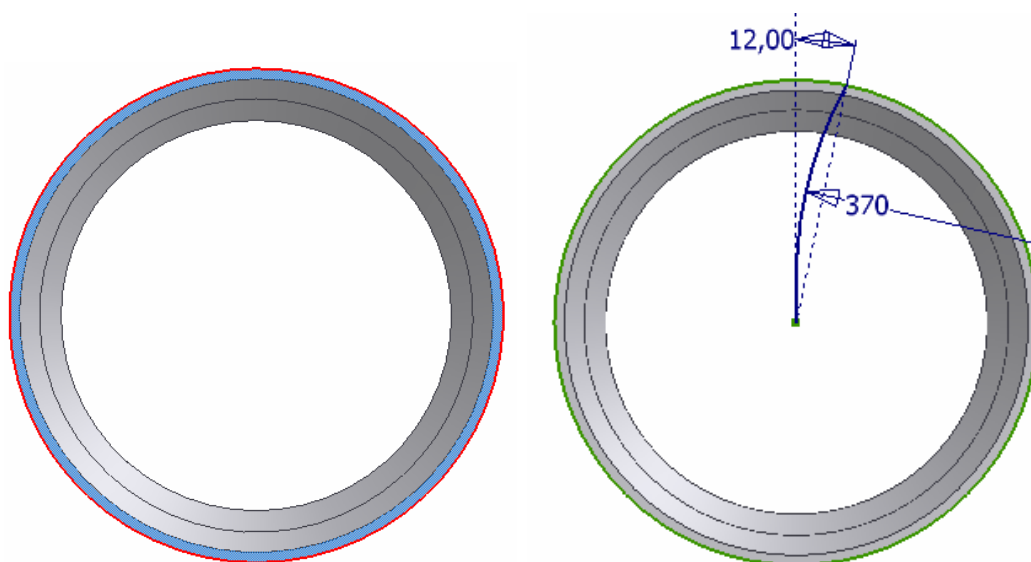
Faça clique em  **Work Plane** , seleccione o eixo anterior e um plano da pasta Origin, de forma criar um plano que passe pelo centro do modelo.



No plano anteriormente criado defina o *sketch* seguinte. Com a ferramenta  **Project Geometry**  projecte a periferia cilíndrica do modelo bem como o eixo definido atrás. Faça clique em F7 para seccionar graficamente o modelo de forma a ser mais fácil definir o *sketch* pretendido.



Feche o *sketch* anterior. Faça clique em  e seleccione a face indicado do modelo crie o *sketch* seguinte.



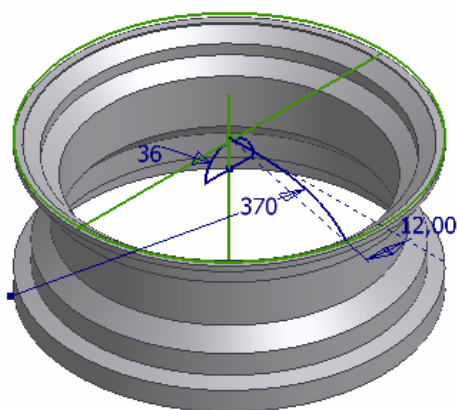
5


Tutoriais Autodesk Inventor

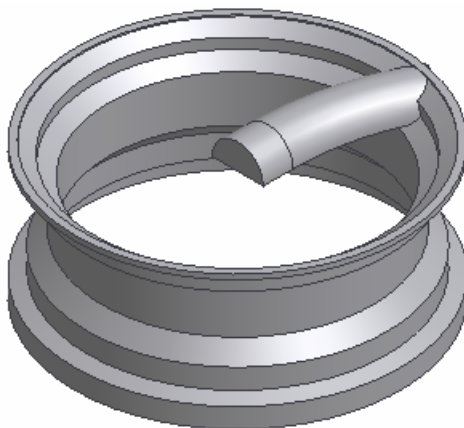
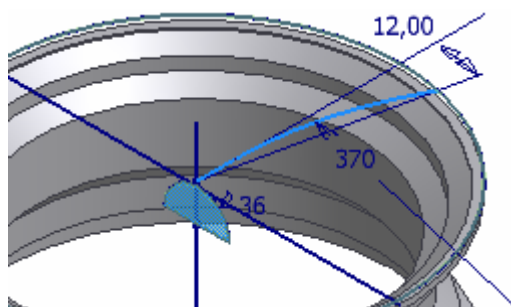
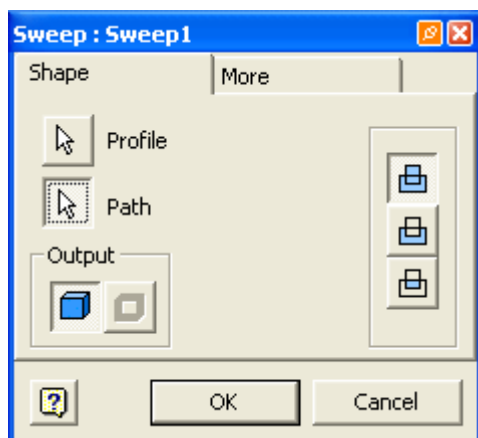
Ano 2005

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Faça clique em  Sweep Shift+S para definir uma extrusão da secção cilíndrica ao longo do perfil anterior. Em *Profile* seleccione a secção cilíndrica. Em *Path* seleccione o caminho a percorrer.




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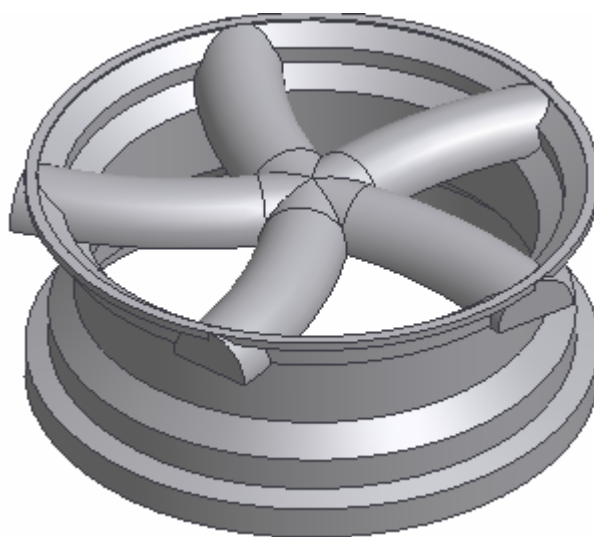
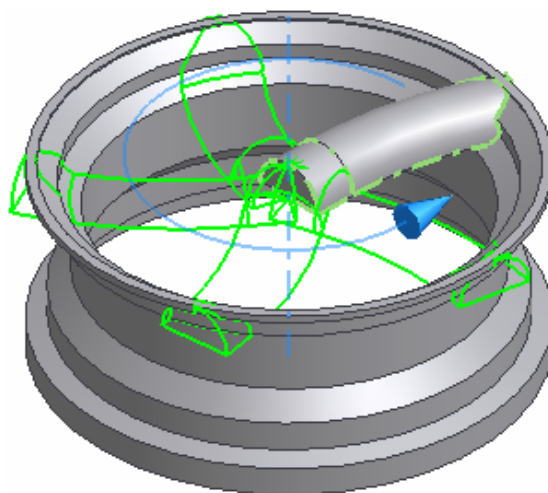
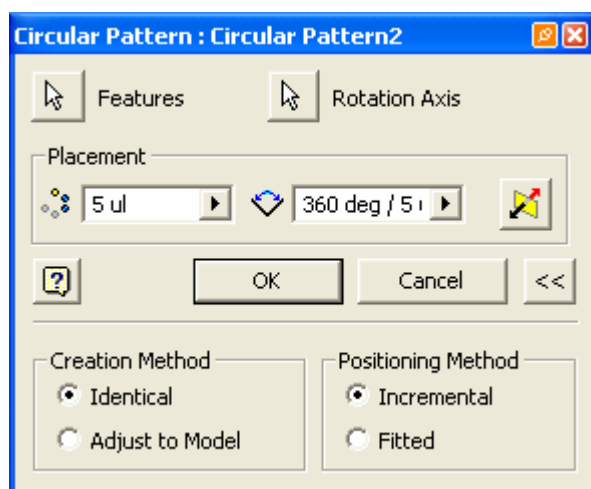
Tutoriais Autodesk Inventor

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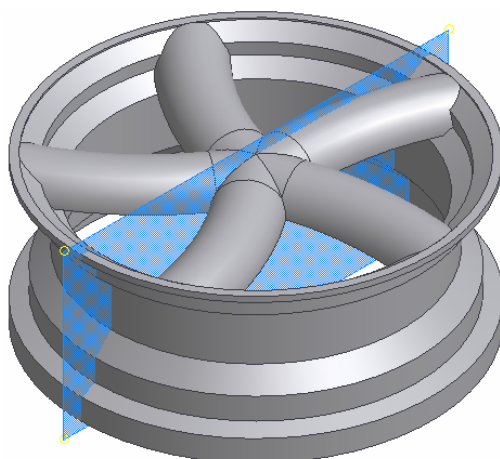
Versão 10


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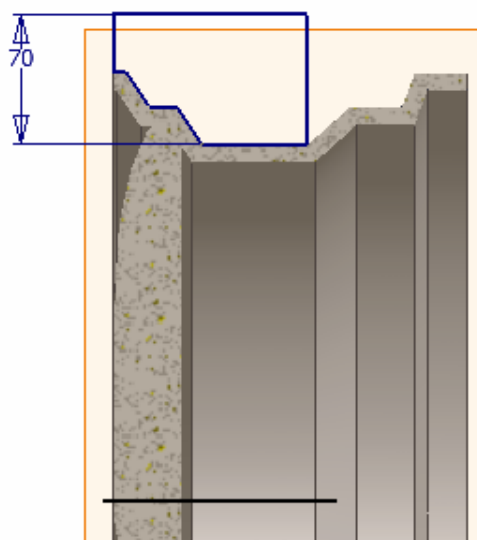
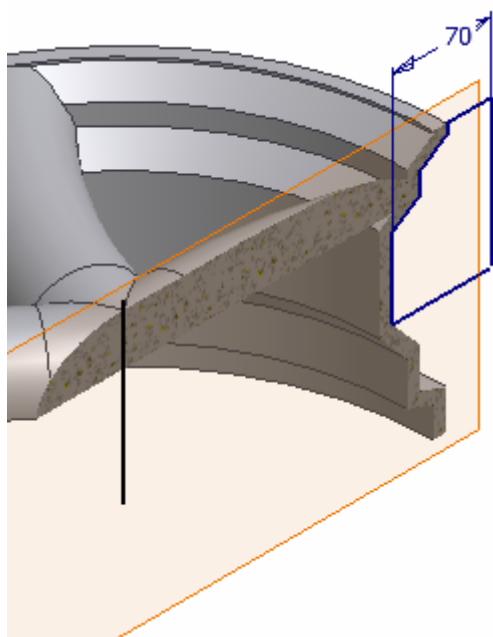
Faça clique em  **Circular Pattern** **Shift+O** para definir uma cópia circular do furo anterior. Faça clique em *Features* e seleccione as *Features* a copiar, a partir da área gráfica ou do *browser*. Faça clique em *Rotation Axis* e seleccione o eixo anterior.




Num plano que passe pelo centro do modelo crie o *sketch* seguinte.



Faça clique em F7 para facilitar a execução do *sketch* pretendido. Faça clique em  Project Geometry para projectar as arestas pretendidas do modelo.



Faça clique em  Revolve **R** ou **R** para definir uma revolução do perfil em **360°**, e modo de corte.

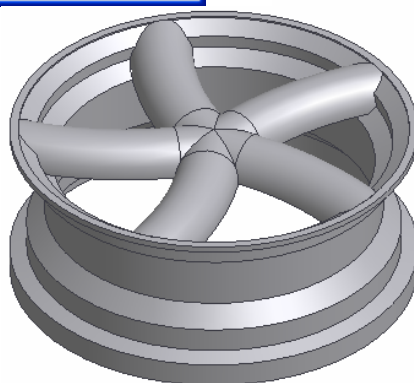
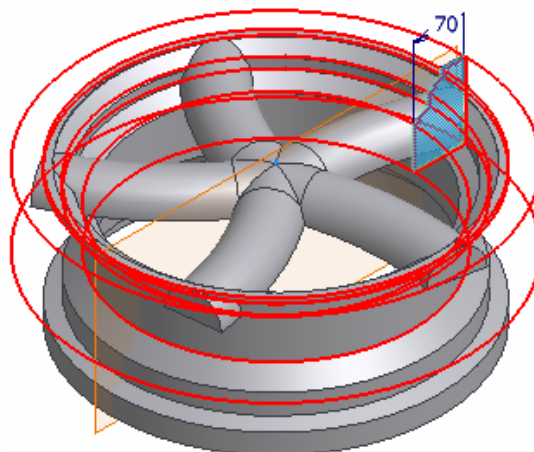
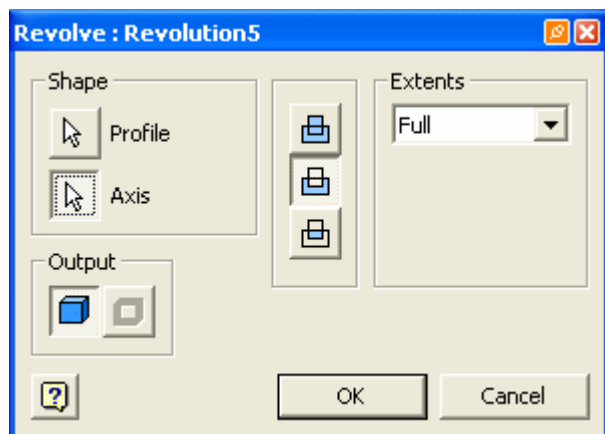
5


Tutoriais Autodesk Inventor

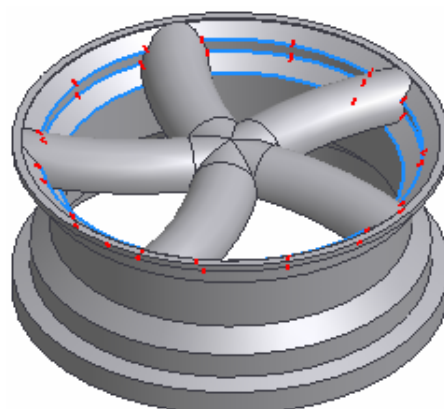
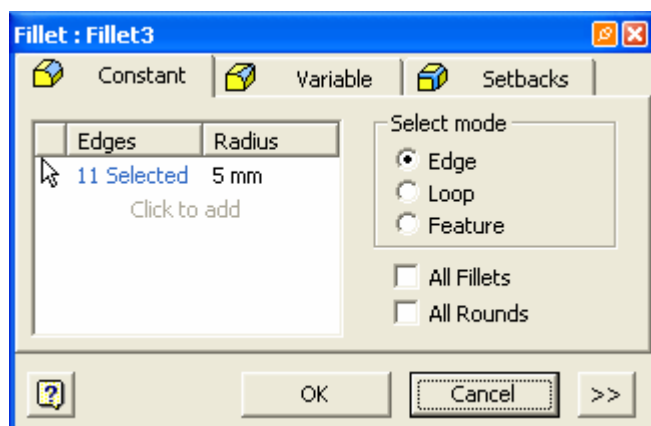
Ano 2005

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Faça clique em  **Fillet** Shift+F para definir um raio de **5mm** nas arestas indicadas do modelo.



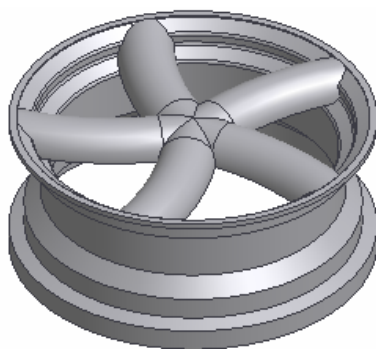
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Tutoriais Autodesk Inventor

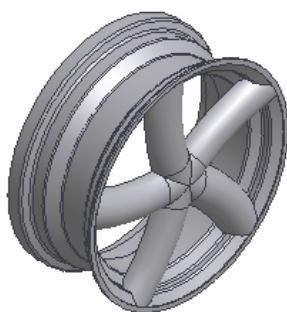
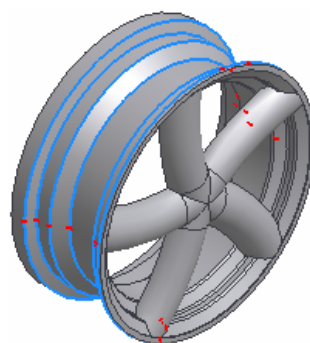
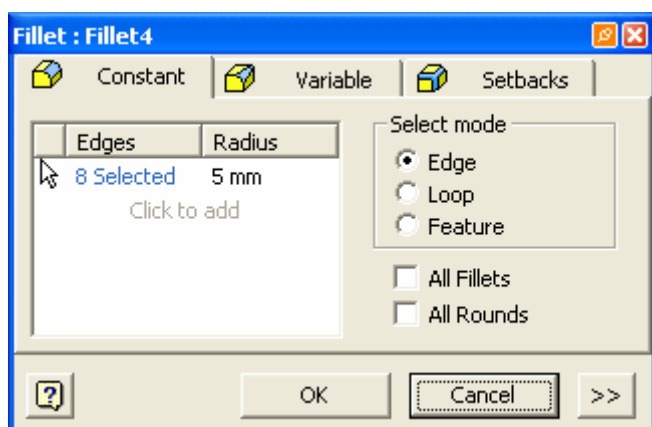
Ano 2005


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Faça clique em  **Fillet** **Shift+F** para definir um raio de **5mm** nas arestas indicadas do modelo.



Faça clique em  **Fillet** **Shift+F** para definir um raio de **5mm** nas arestas indicadas do modelo.

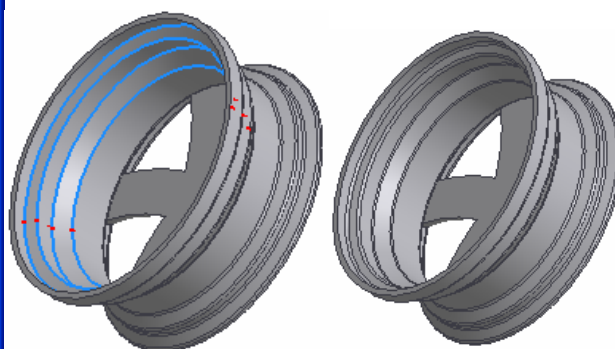
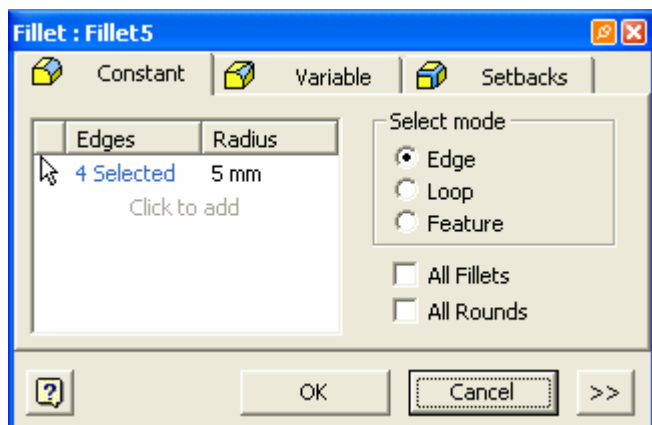
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Tutoriais Autodesk Inventor

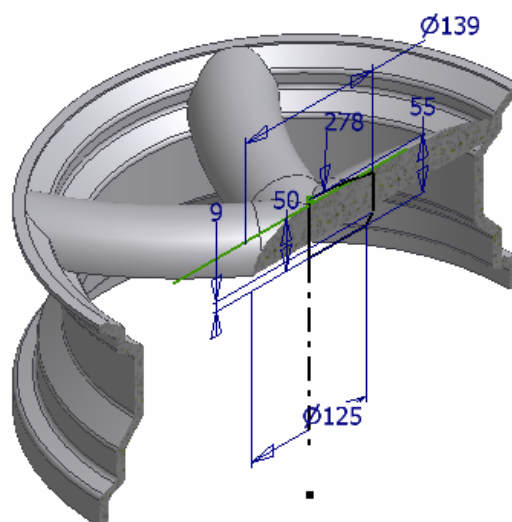
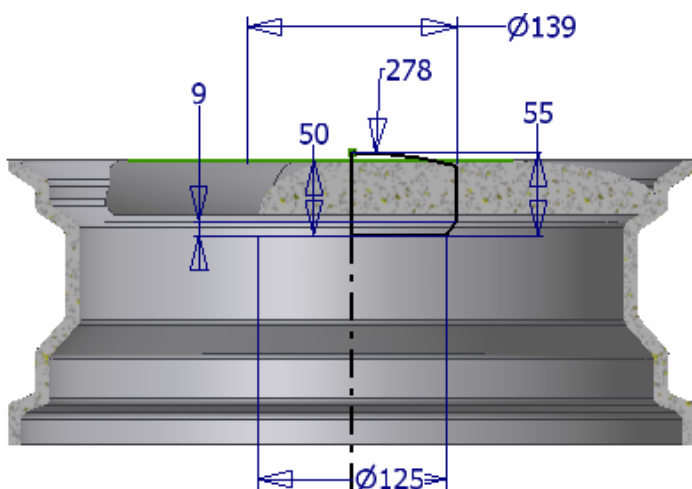
Ano 2005

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Num plano que passe pelo centro modelo defina o *sketch* seguinte. Faça clique em F7 para sectionar graficamente o modelo de forma a ser mais fácil definir o *sketch* pretendido.



Faça clique em  Revolve **R** ou **R** para definir uma revolução do perfil em **360°**.

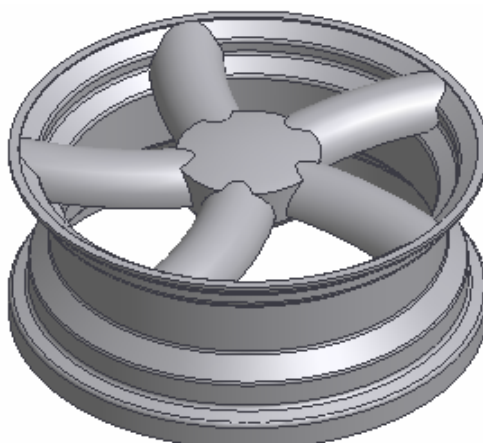
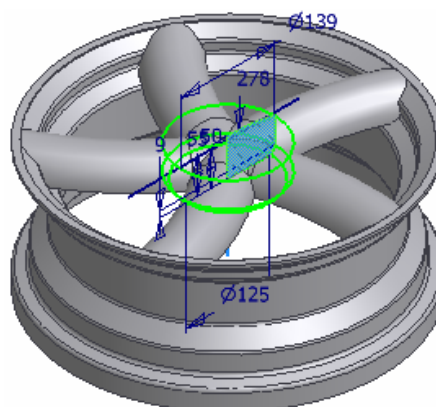
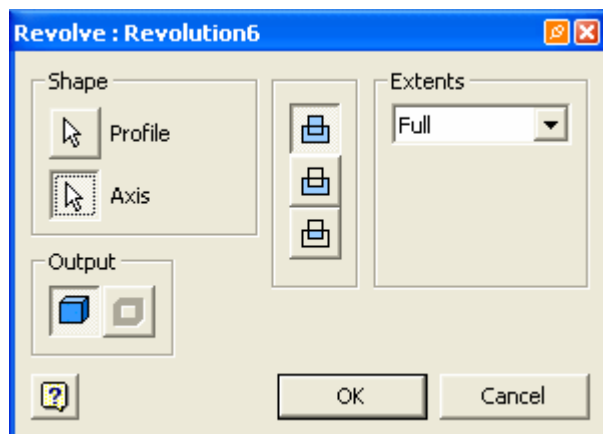
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Tutoriais Autodesk Inventor

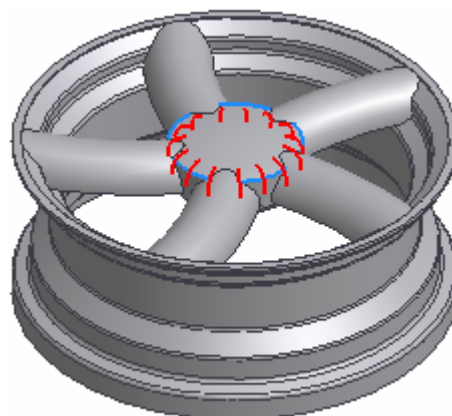
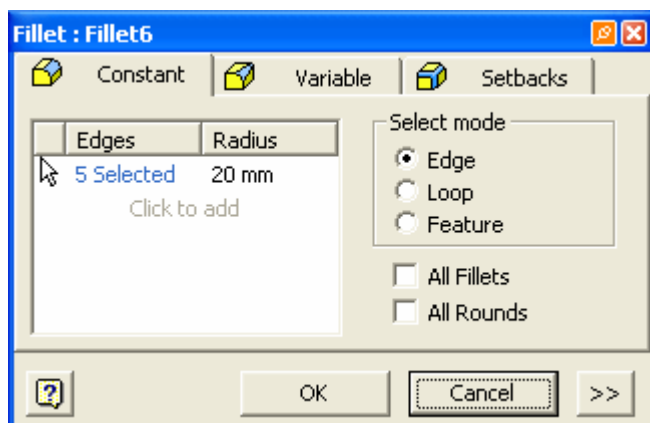
Ano 2005

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Faça clique em  Fillet Shift+F para definir um raio de **20mm** nas arestas indicadas do modelo.



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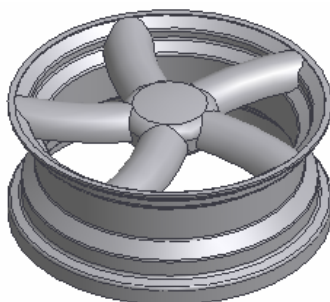
Tutoriais Autodesk Inventor


Ano

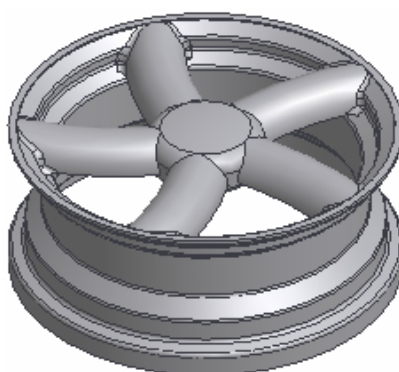
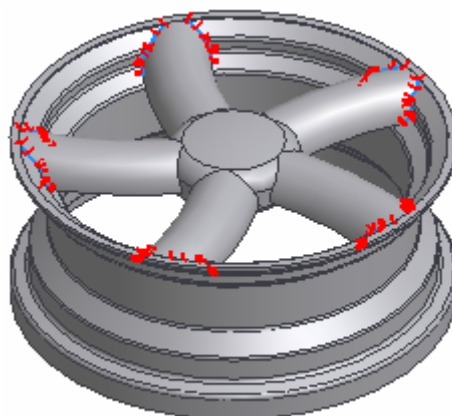
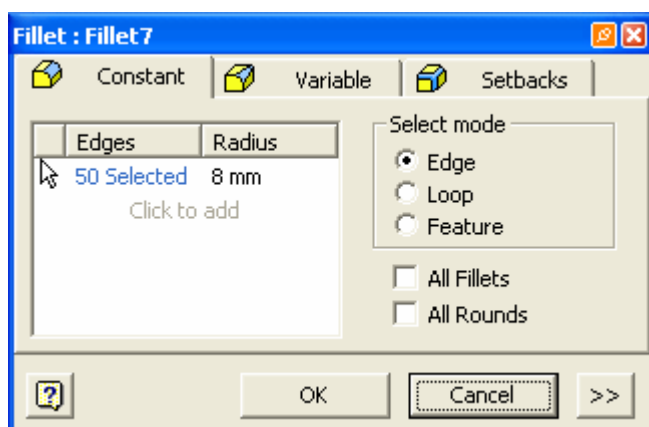
2005

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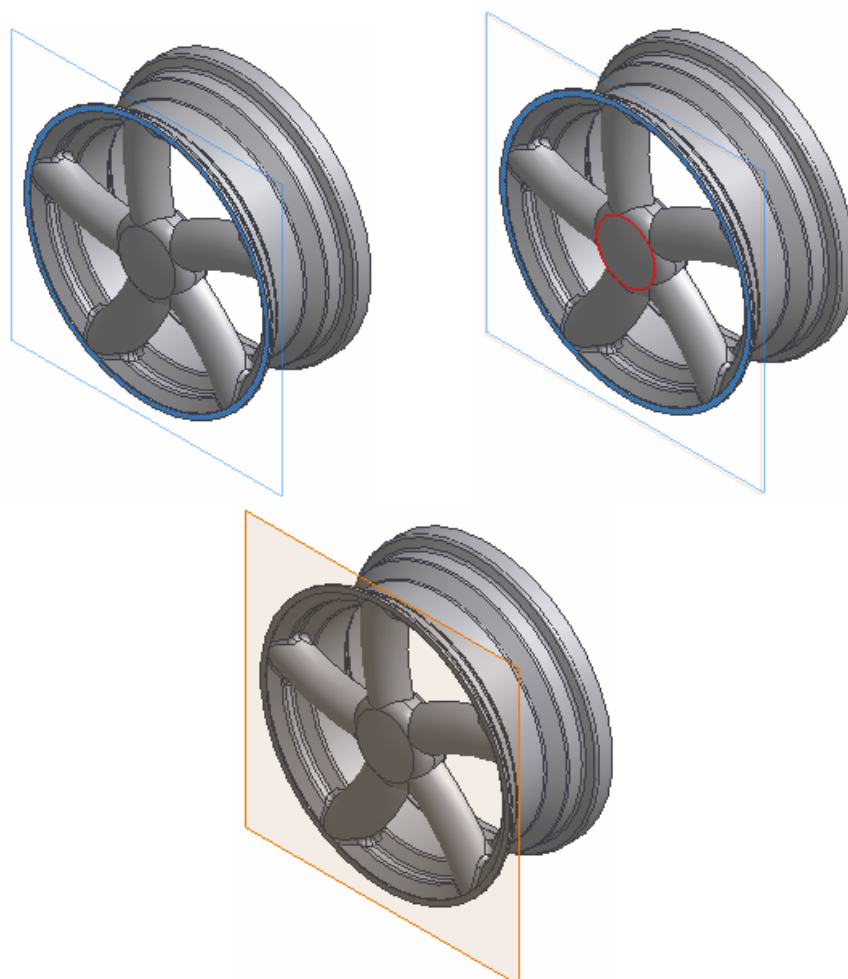


Faça clique em  **Fillet** **Shift+F** para definir um raio de **8mm** nas arestas indicadas do modelo.

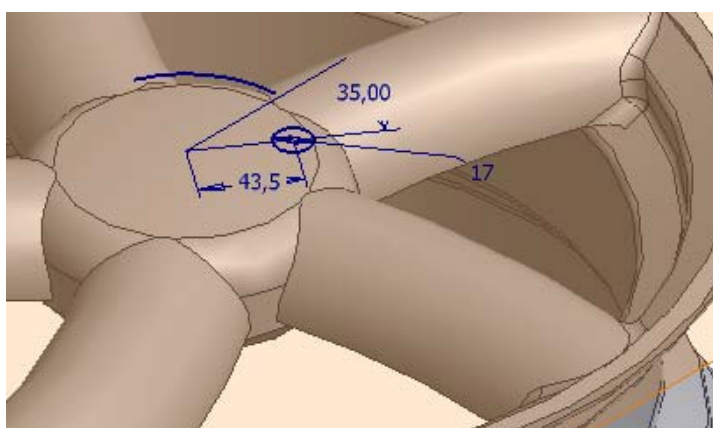
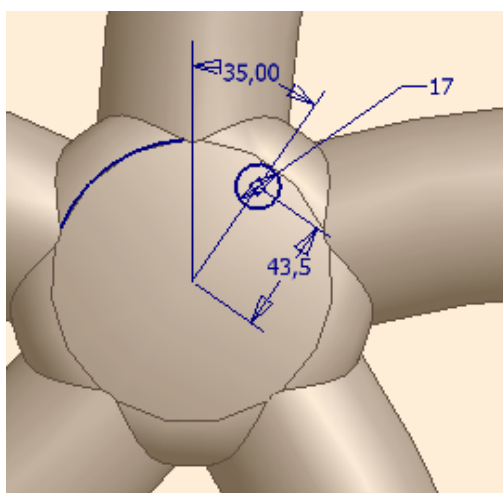


Criar um plano paralelo a uma face plana do modelo e tangente a uma face esférica.

Faça clique em  **Work Plane** **«**, seleccione a face plana indicada do modelo e a face esférica tangente.



No plano definido anteriormente crie o *sketch* seguinte.




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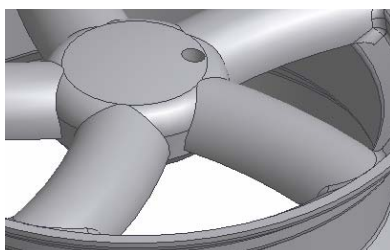
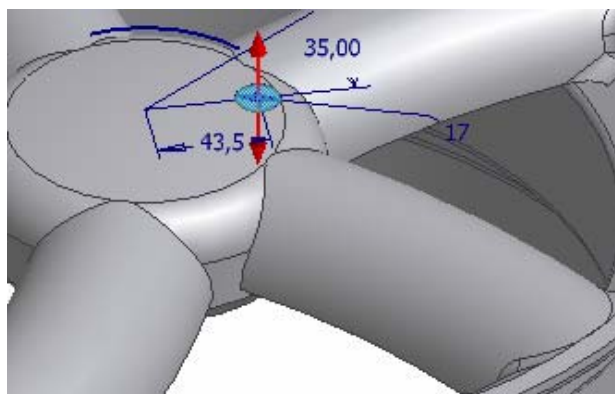
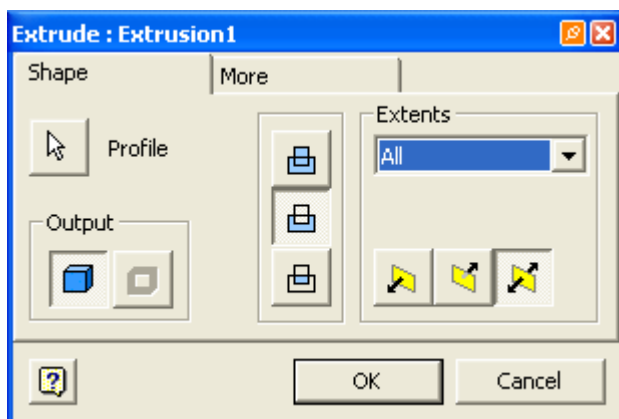
Tutoriais Autodesk Inventor


Ano 2005

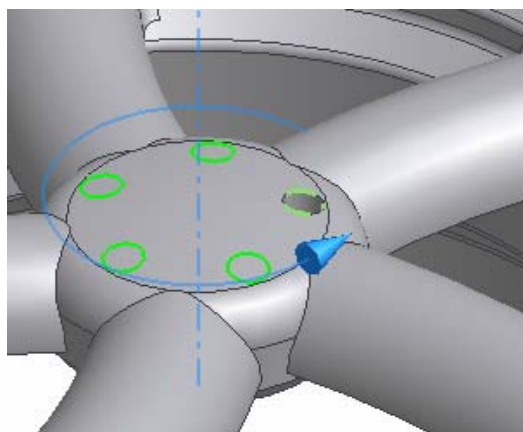
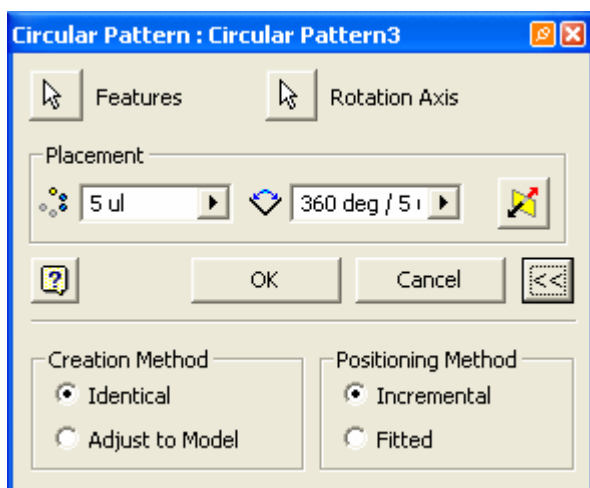
Versão 10

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Faça clique em  Extrude **E** ou em **E** para definir uma extrusão, em modo de corte, por todo o modelo.



Faça clique em  Circular Pattern **Shift+O** para definir uma cópia circular do furo anterior. Faça clique em *Features* e seleccione as *Features* a copiar, a partir da área gráfica ou do *browser*. Faça clique em *Rotation Axis* e seleccione um eixo do modelo.



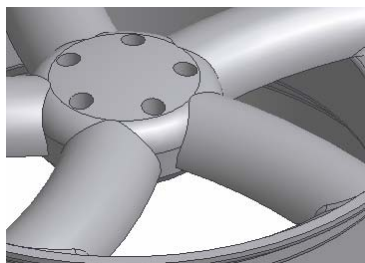
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Tutoriais Autodesk Inventor

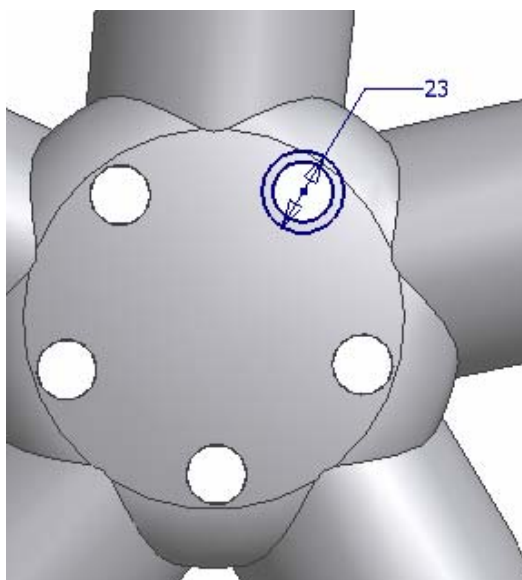
Ano 2005


Versão 10

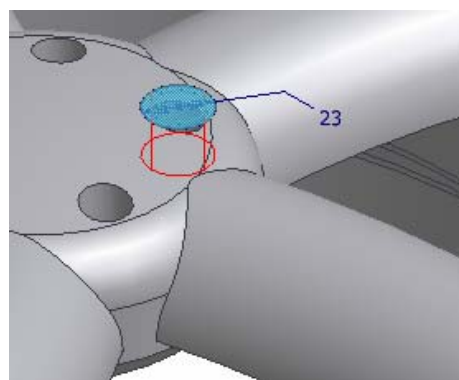
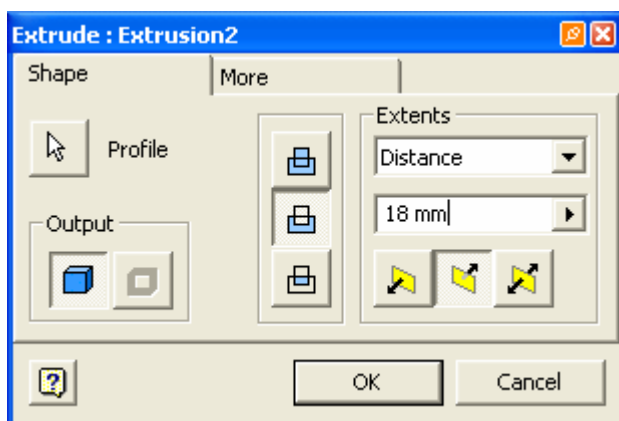
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No plano definido anteriormente crie o *sketch* seguinte.



Faça clique em  Extrude E ou em E para definir uma extrusão de **18mm**, em modo de corte.



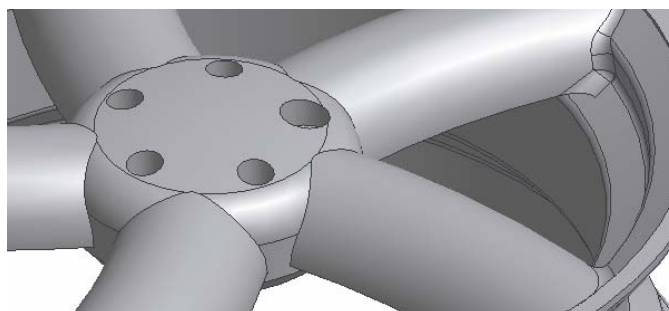
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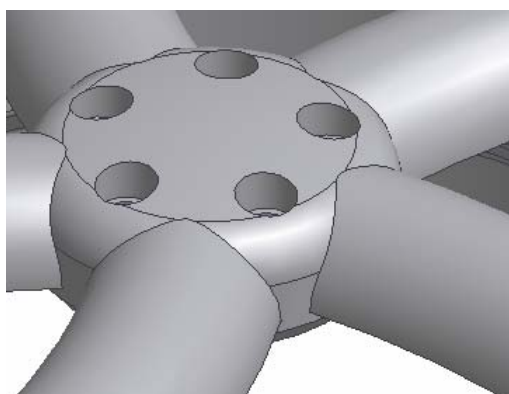
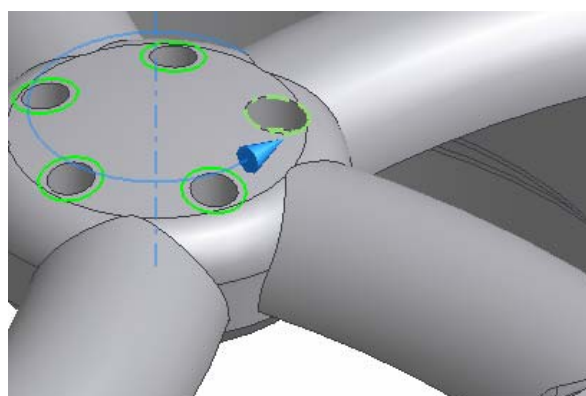
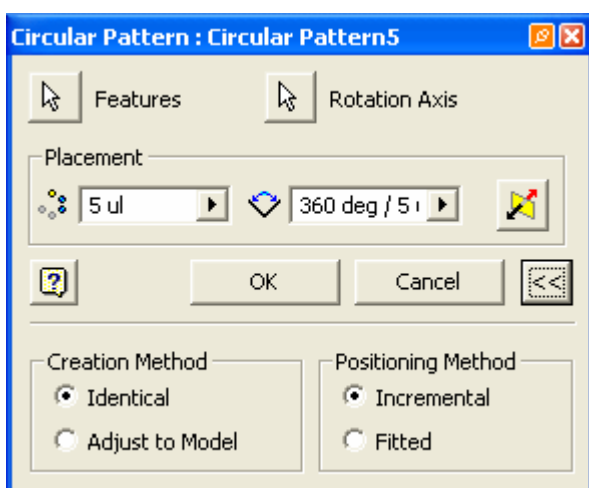
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Faça clique em  **Circular Pattern** Shift+O para definir uma cópia circular do furo anterior. Faça clique em *Features* e selecione as *Features* a copiar, a partir da área gráfica ou do *browser*. Faça clique em *Rotation Axis* e selecione um eixo do modelo.




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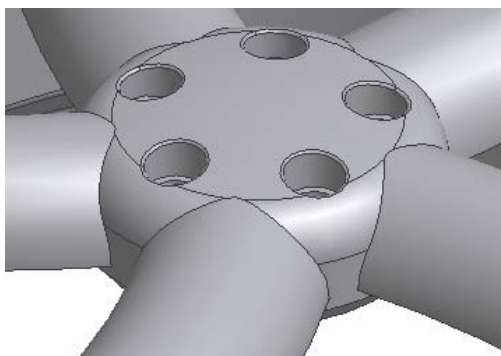
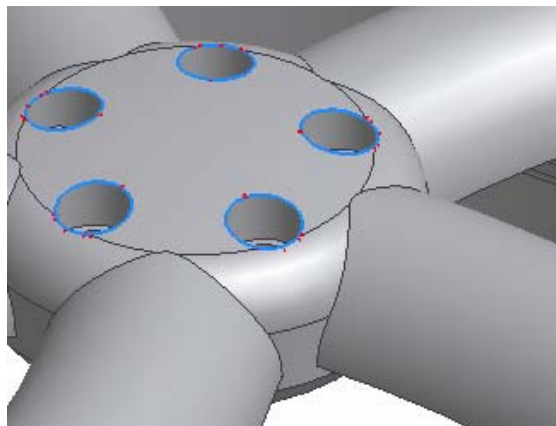
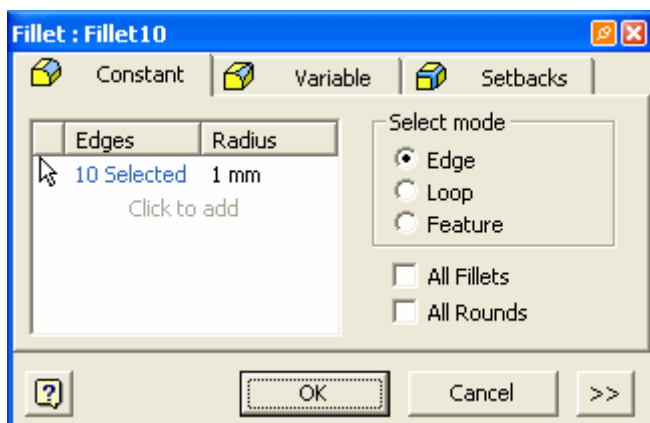
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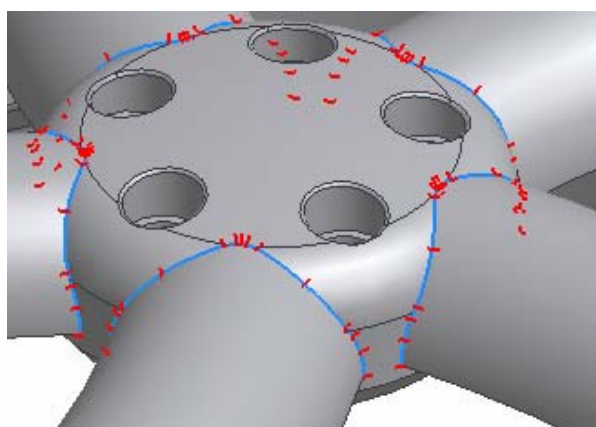
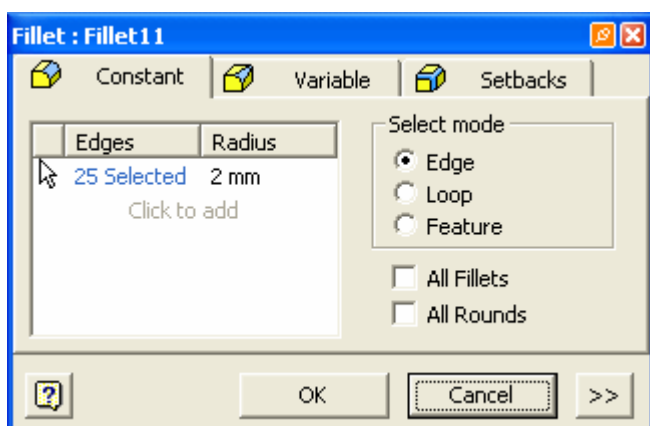
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Faça clique em  Fillet Shift+F para definir um raio de **1mm** nas arestas indicadas do modelo.



Faça clique em  Fillet Shift+F para definir um raio de **2mm** nas arestas indicadas do modelo.



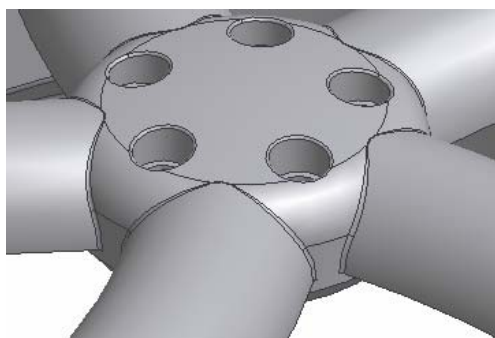
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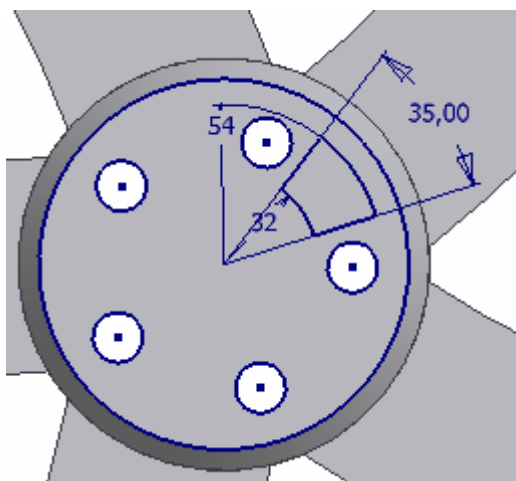
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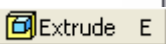
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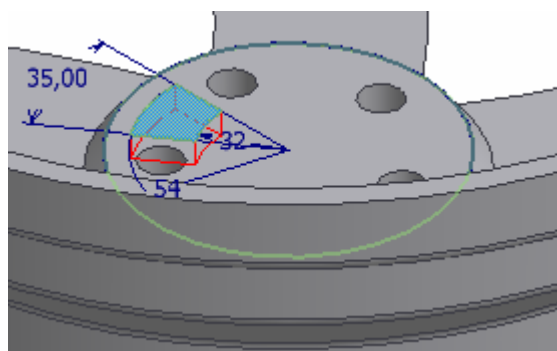
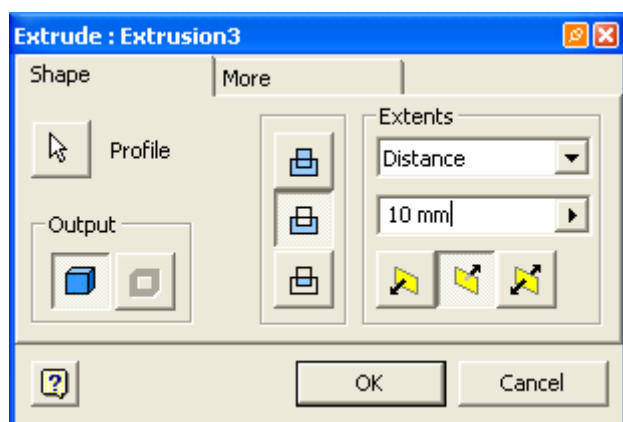
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Na face indicada crie o *sketch* seguinte.



Faça clique em  Extrude E ou em E para definir uma extrusão de **10mm**, em modo de corte.



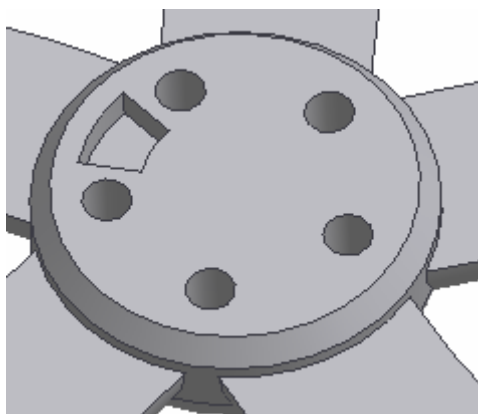
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Tutoriais Autodesk Inventor

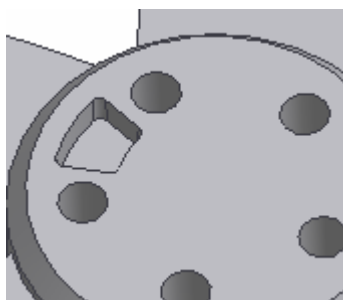
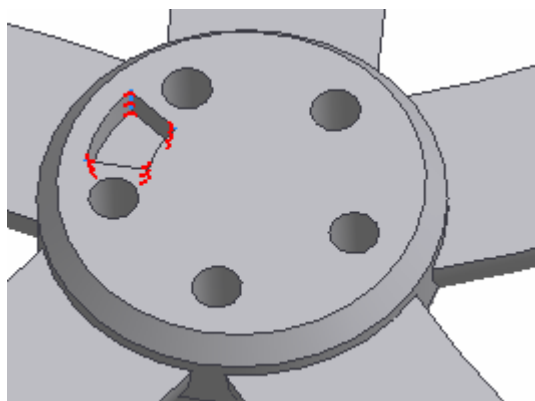
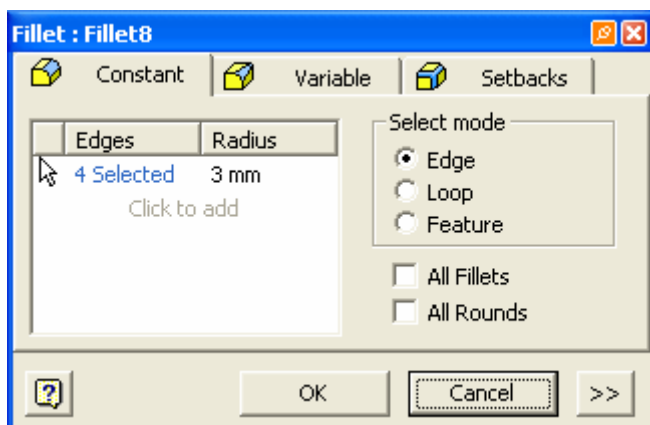
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Faça clique em  **Fillet** **Shift+F** para definir um raio de **3mm** nas arestas indicadas do modelo.



Faça clique em  **Fillet** **Shift+F** para definir um raio de **3mm** nas arestas indicadas do modelo.

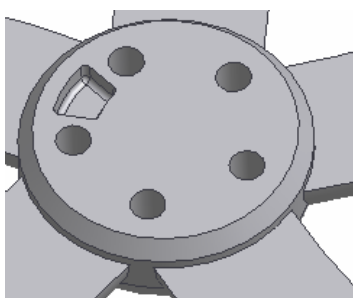
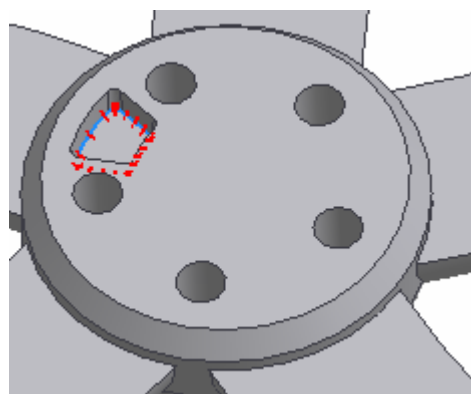
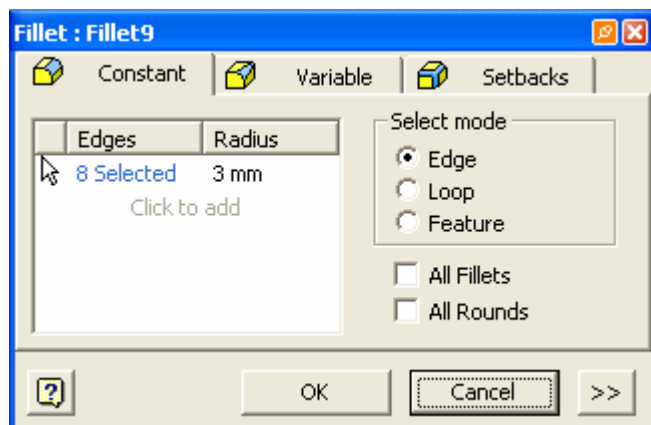
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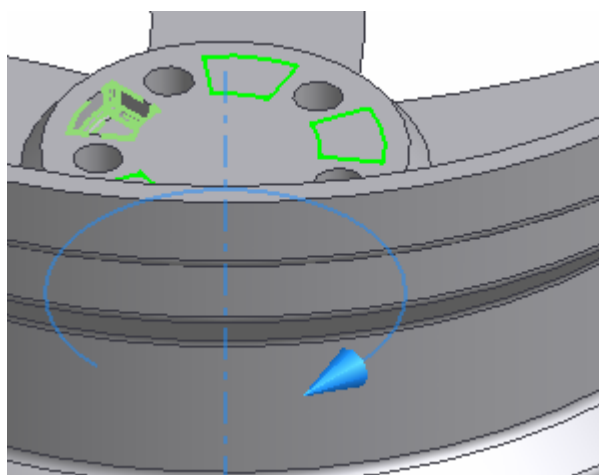
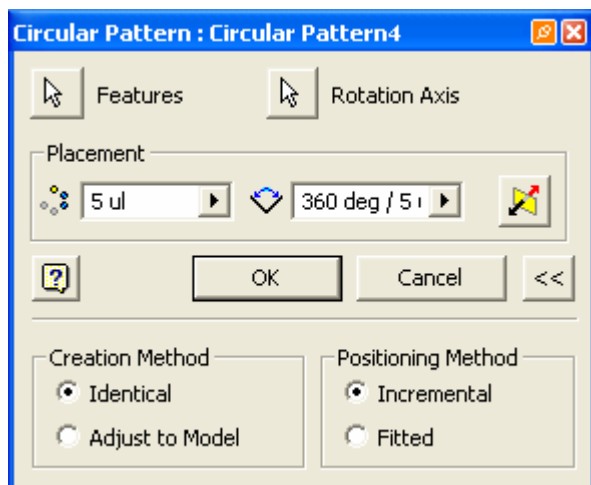
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Faça clique em  **Circular Pattern** **Shift+O** para definir uma cópia circular do furo anterior. Faça clique em *Features* e selecione as *Features* a copiar, a partir da área gráfica ou do *browser*. Faça clique em *Rotation Axis* e selecione um eixo do modelo.



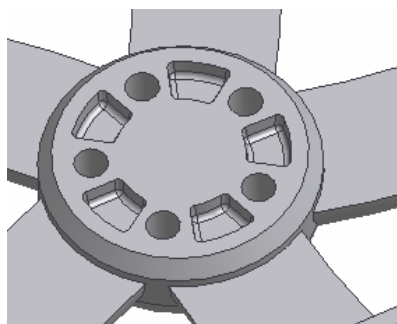
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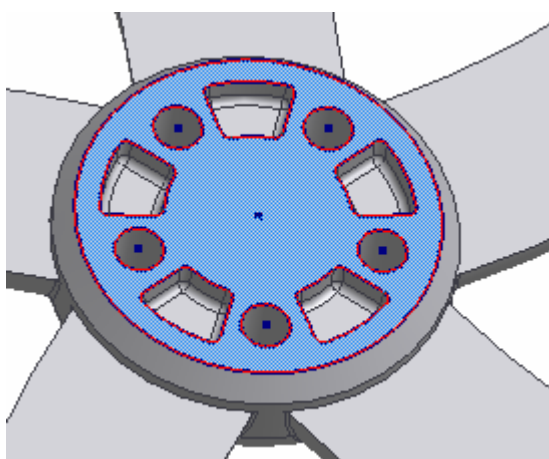
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Selecione a face indicada do modelo e faça clique em , para definir um novo *sketch*.



Faça clique em  para definir um furo passante com um diâmetro de **38 mm** e uma profundidade de **45mm**.

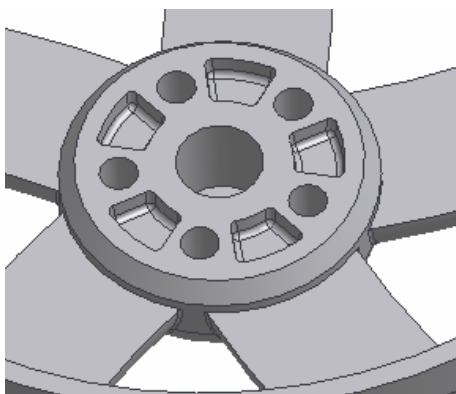
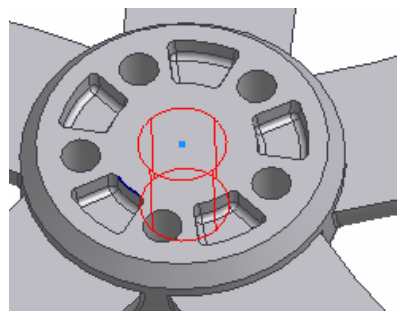
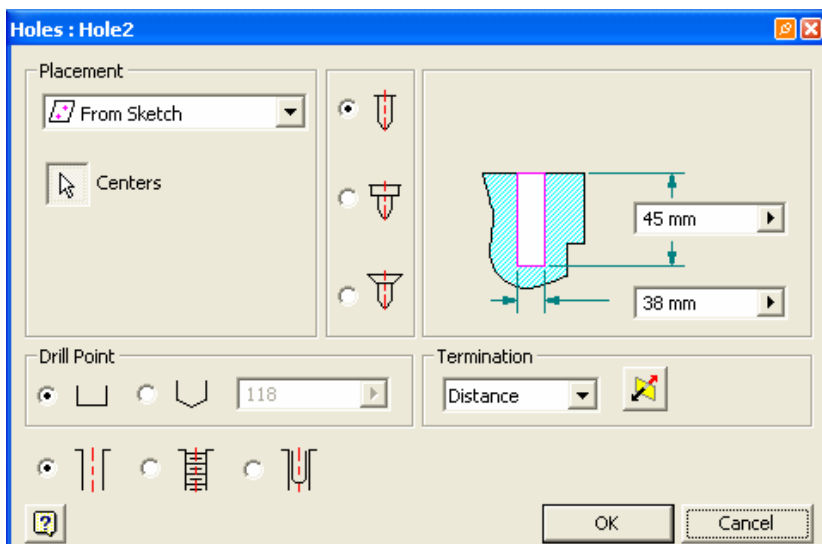
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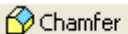
Tutoriais Autodesk Inventor

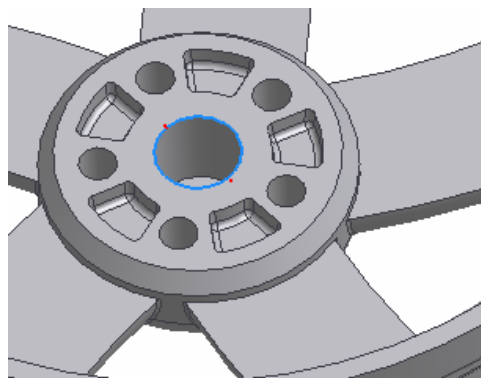
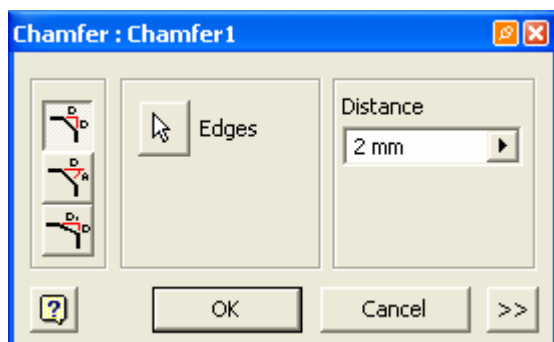
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Faça clique em  **Chamfer** Shift+K para definir um chanfro de **2mm** nas do furo criado anteriormente.



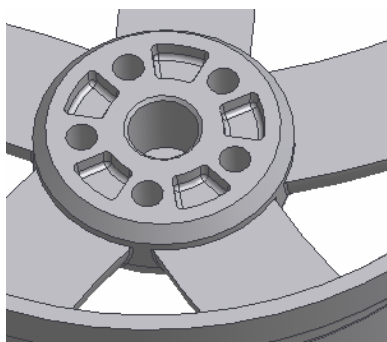
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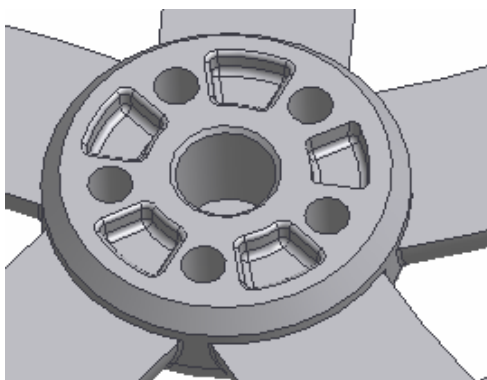
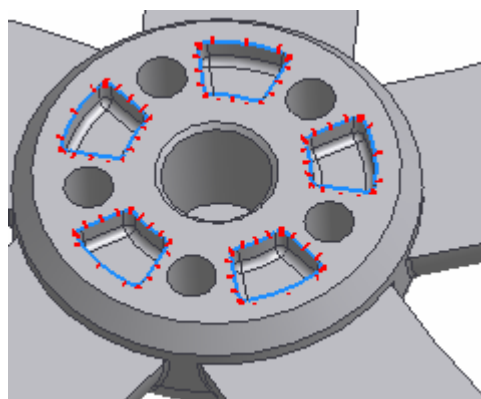
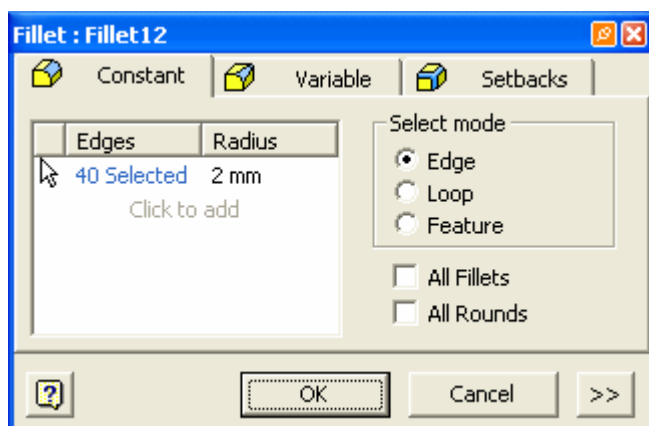
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Faça clique em  **Fillet** Shift+F para definir um raio de **2mm** nas arestas indicadas do modelo.



Faça clique em  **Fillet** Shift+F para definir um raio de **2mm** nas arestas indicadas do modelo.

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