

# 低トルクスラスト針状ころ軸受

## Low Friction Needle Roller Thrust Bearings

### AT・CVT・HVの燃費向上に貢献

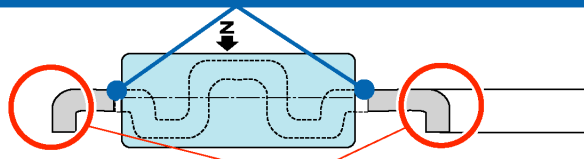
Fuel consumption improvement on AT, CVT and HV

#### 特長 Features

保持器の最適設計により、ころと保持器間の滑り抵抗を低減

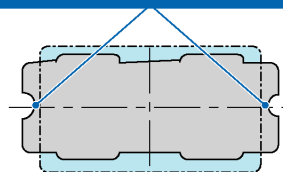
Optimal cage Design Reduces Sliding Resistance between the Roller and cage

ころ端面と保持器の接触位置（ころ中心近傍での接触）  
Contact points between the roller-end surfaces and cage  
(contact near the center of the roller)



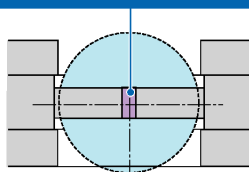
ころ端面と保持器接触を安定させる為に剛性UP  
Rigidity increased, stabilizing the contact between the roller-end surface and cage

ころ端面と保持器の接触位置  
Contact points between the roller-end surfaces and cage

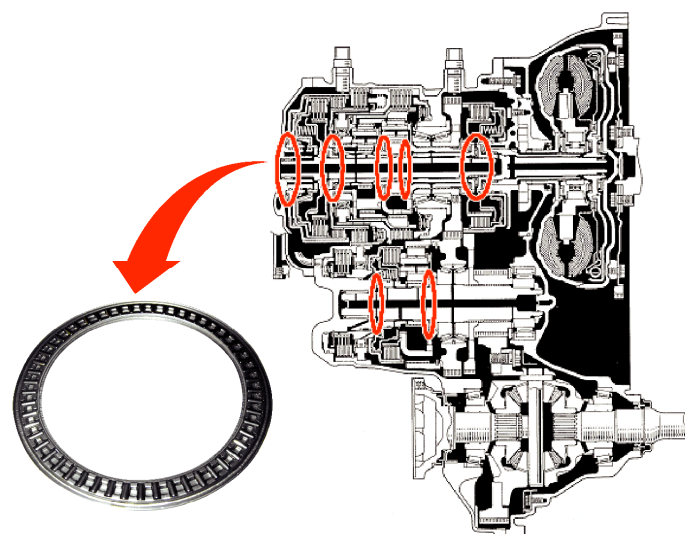


保持器ポケット (Z矢視)  
Cage pockets  
(Z view shown above)

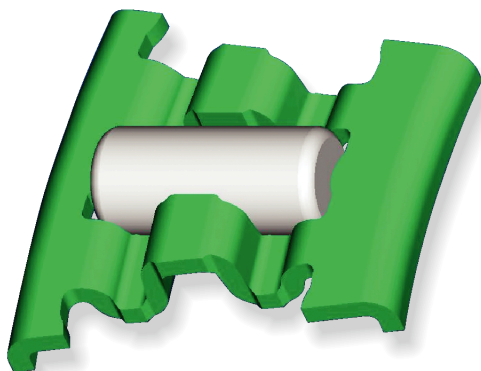
ころ端面と保持器の接触位置  
Contact points between the roller-end surfaces and cage



ポケット断面  
Cross-sectional view of pocket



#### 効果 Effect



#### トルク低減効果 Torque Reduction Effect

油量: 200ml (回転速度: 2000min<sup>-1</sup>)  
Amount of oil: 200ml (rpm: 2000min<sup>-1</sup>)

