



## Motorcycle Disk Brake Rotor

<b>Industry</b>	Automotive
<b>Specification</b>	Dura-Bar 80-55-06
<b>Redesign</b>	From stainless steel
<b>Design Advantage</b>	Improved product performance
<b>Cost Savings</b>	Part cost reduced by 10%

You could say there are two types of motorcycle enthusiasts: those who are concerned with the sleek, polished look and those who prefer the thrill of the experience. For the latter, top machine performance is essential for that perfect ride.

Disk brakes made of a material which allow the cyclist to stop hard and fast was exactly what this manufacturer was looking for when coming to Dura-Bar. Prior to the conversion, the customer produced disk brakes, which are approximately 10 inches in diameter, from stainless steel. While it looked sleek, the braking system was unreliable -- especially in motorcycle racing.

Dura-Bar could guarantee performance, a safe one at that, with its 80-55-06, a partially pearlitic ductile iron that has excellent mechanical properties. It provides great strength, a must have for this application since fractures could not be afforded. It also offers excellent wear resistance, good vibration damping and improved heat transferability -- all features important for a safe and reliable breaking performance.