

Motorcycle Disc Brake Rotor

Industry	Automotive
Dura-Bar Grade	80-55-06 Ductile Iron
Original Material	Stainless Steel
Problems Solved	Material Performance, Poor Wear Resistance
Cost Savings	Total part cost reduced by 10%



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

Disc brakes made of a material which allows the cyclist to stop hard and fast, were exactly what this manufacturer was looking for when coming to Dura-Bar. Prior to the conversion, the customer produced disc 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 safe and reliable breaking performance.

Dura-Bar offers many material advantages with cost saving results. Contact us today to discuss your application.