

WE HAVE WHAT YOU ARE LOOKING FOR: THE BEST SPEED SENSITIVE DESIGN



The aesthetics of the SDR steering damper is absolutely racing but elegant.

All the parts (like all Matris's products) are CNC machined. No one piece is forged!

The short wheelbases and high-performance engines of modern sport-bikes are by nature more inclined to nervous/twitching movement, regardless to frame or suspension design.

The SDR & SDK steering dampers improve the control of the front axle, damping all the oscillations and the rapid setting changes, reducing shaking of the front wheel and providing greater safety at high speed.

Twin tube system with Titanium outer cylinder and Aluminium coaxial inner cylinder.

High tensile Steel single piston rod, hard Chrome coating and lapped finish surface treatment to grant an effectively "zero" friction, supported by slide bearings.



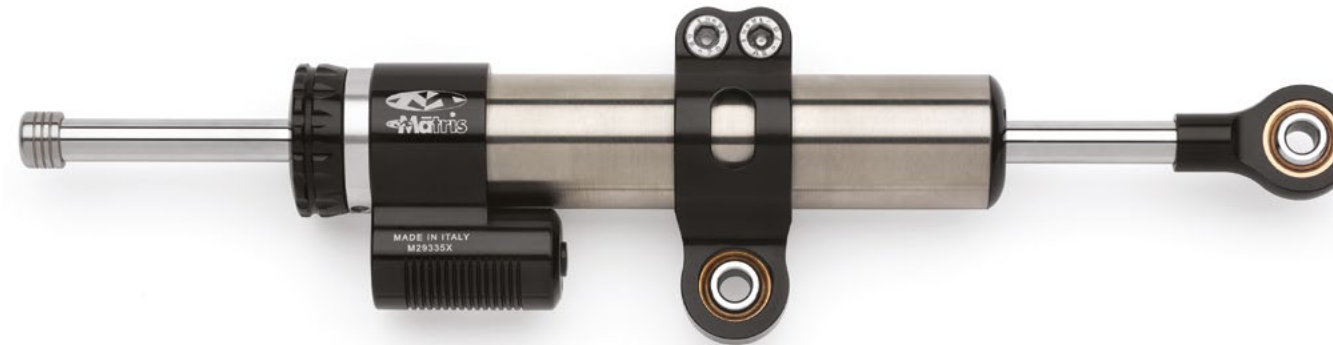
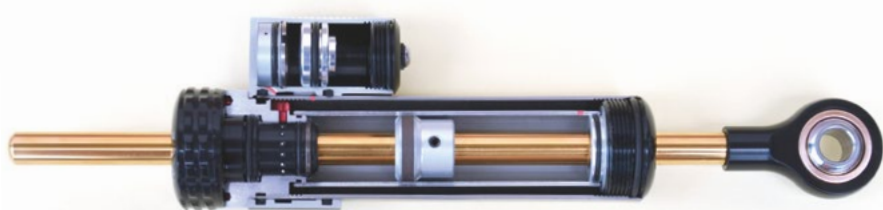
■ **16 "active"** fully adjustable hydraulic damping options with calibrated holes and micrometric points of resistance and hardness.

■ **"Speed Sensitive"** progressive hydraulic damping system.

■ Piston-rod with **PVD TIN** (Titanium Nitride) treatment for optimal performance and durability.



■ Aluminium alloy front rod-end with chromium-plated Steel/PTFE/Bronze wheel.



L'estetica dell'ammortizzatore di sterzo è assolutamente racing ma elegante.

Tutte le parti (come tutti i prodotti Matris) sono lavorate dal pieno a CNC. Nessun pezzo è forgiato!

Le moderne moto sportive, con passo corto e motori ad alte prestazioni, sono per natura più inclini a movimenti nervosi, indipendentemente dal design del telaio o delle sospensioni.

Gli ammortizzatori di sterzo SDR e SDK migliorano il controllo dell'assale anteriore, smorzando tutte le oscillazioni e riducendo i bruschi movimenti della ruota anteriore, offrendo una maggiore sicurezza alle alte velocità.

Sistema a doppio tubo con cilindro esterno in Titanio e cilindro interno coassiale in Alluminio.

Stelo pistone monoasta in acciaio ad alta resistenza, rivestito in cromo duro e con trattamento superficiale con finitura lappata per garantire un effettivo attrito "zero".

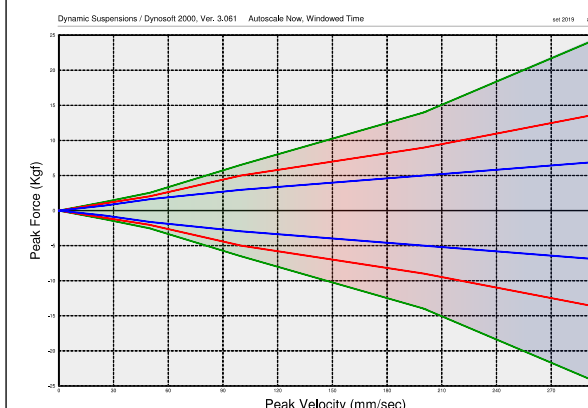


■ Hydraulic brake adjustment ring nut with calibrated holes **13 points** of hardness adjustment.

■ **"Speed Sensitive"** progressive hydraulic damping system.



■ External tank for controlled heat compensation of fluid expansion, pressurized with **Nitrogen gas (N₂)** for greater stability at high operating temperatures.



■ The Matris "Speed Sensitive" system reacts to sudden movements by automatically increasing damping force without restricting movement at slow speeds.