



# DYNAPRO INBOARD BRAKE SYSTEM WITH POLYMETALLIC TITANIUM ROTOR

## Kit Features:

- A fully engineered bolt-on brake system for sprint car quick change rears with 3.00" x 46 splined axles.
- Sprint racing's lightest .810" vented disc, and a newly designed dynamic mount rotor axle clamp, are the lowest rotating weights available.
- The lightweight advantages of the titanium rotor are fortified with the high durability, long wear, and superior heat control properties of advanced PolyMetallic coating technology.
- Forged billet DynaPro radial mount calipers with Composition Metallic pads, produce superior stopping power and consistent fade-free response.

## Component Features:

### DynaPro Forged Billet Radial Mount Caliper

- Computer FEA designed and fully CNC machined billet forgings are unmatched for rigidity, strength, and resistance to body separation and deflection under load.
- Four 1.75" stainless steel pistons generate high clamping force and balanced pad loading with high resistance to corrosion and slower heat transfer than carbon steel or aluminum pistons.
- Quick-Clip pad retainers give quick and easy access for pad inspection or service without the need for tools or caliper removal.
- Radial mounting assures secure caliper attachment, without deflection, to the rear axle side bell. Two planes of adjustment provide precise lateral and radial alignment of the caliper and pads over the rotor.
- Spring loaded SRS bridge plates dampen vibration and engagement harmonics while reducing bridge wear from gouging by the brake pad backing plate.
- Internal fluid passages eliminate all external fluid transfer tube problems.
- Side inlet fluid ports simplify the plumbing and four corner bleed screws guarantee effective gas evacuation from both sides in all mounting positions.

### PolyMetallic Titanium 10.50" x .810" Vented Rotors

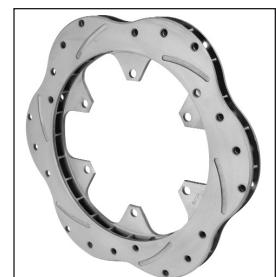
- Sprint racing's lightest .810" rotor weighs in at only 2.37 pounds.
- Drilled, slotted, and scalloped design with 24 cooling vanes provides excellent high temperature stability, rapid heat dissipation, and consistent performance from the brake pads.
- A microscopic layer of hard, high-density PolyMetallic elements is bonded into the surface to add high resistance to wear and exceptional thermal control properties to the titanium base.
- The fine micro-finish surface beds quickly with new pads. It provides quick response, long service life from the pads, and consistent braking at all temperatures.
- Lowered rotating weight promotes quick acceleration, deceleration, and improved handling.
- In addition to decreasing the effects of driveline inertia during deceleration, the small diameter rotor increases the clearance between the fuel cell and other chassis elements during suspension travel.



Inboard Rear Brake Kit with DynaPro Caliper  
and Dynamic Mount PolyMetallic Titanium Rotor



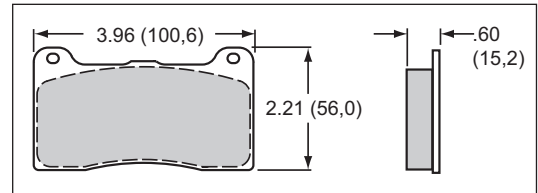
DynaPro Caliper • P/N 120-8544-SI



PolyMetallic Titanium  
Rotor • P/N 160-9363

## Composition Metallic Compound Brake Pads

- Composition Metallic compound pads are specially formulated for use with advanced PolyMetallic coating technology.
- Track proven 7816-CM pads provide immediate response, high friction, long wear, and fade-free performance at all temperatures.



DynaPro Caliper, Type 7816 Pad Dimensions  
P/N 150-9753K

## Axle Clamp with Dynamic Mount Rotor Adapter

- Weighing in at only 1.07 pounds, this is the lightest weight axle clamp and floating rotor mount kit available.
- The splined clamp maintains a fixed position on the axle and the slotted adapter plate allows the rotor to "float" on t-nuts at the mounting points.
- Stresses and distortion from thermal expansion, that can lead to component fatigue and harsh pedal feedback to the driver, are virtually eliminated. A small margin of lateral float keeps the rotor centered between the pads to assure a complete release and no drag during acceleration.



Axle Clamp, Rotor Adapter, & Bolt Kit • P/N 270-9761

## Radial Mount Bracket and Hardware

- Machined billet caliper brackets girdle the mounting bosses on the side bell to provide a sturdy and deflection free attachment point for the caliper.
- Caliper height can be shimmed for precise alignment between the outside pad radius and outside diameter of the rotor.
- Radial mounting simplifies caliper and rotor service by eliminating the need to remove the bracket or mounting bolts from the sidebell.
- High strength steel studs, lock nuts, mount bolts, washers, and alignment shims are included to complete an accurate and secure installation.



DynaPro Caliper Mounting Bracket  
P/N 250-9595

## ORDERING INFORMATION

### ITEM DESCRIPTION

Sprint inboard Rear Brake Kit

### PART NUMBER

140-9751

### INDIVIDUAL COMPONENTS

DynaPro Caliper, Side Inlet with 1.75" Pistons for .810" Rotor  
 PolyMetallic Titanium Rotor, 10.50" x .810", 6 x 5.5 Bolt Circle  
 Axle Clamp Kit with Rotor Adapter and T-Nut Bolts  
 Axle Clamp, 3.00" x 46 Spline  
 Rotor Adapter Plate  
 Rotor Bolt Pack with T-Nuts  
 Caliper Mount Bracket Kit with Hardware & Shims  
 Composition Metallic Brake Pads, 7816-CM, 4 pads per box

### PART NUMBER

120-8544-SI  
 160-9363  
 270-9761  
 270-9675 (1)  
 300-9366 (1)  
 230-9752 (1)  
 250-9595  
 150-9753K

(1) Parts included in kit 270-9761

NOTE: For maximum thermal protection and resistance to pedal fade with all titanium rotors, use only Wilwood EXP 600 Plus Super Hi-Temp Racing Brake Fluid. EXP 600 Plus Brake Fluid is available in 500 ML (16.9 oz) bottles in a convenient 6 pack (P/N 290-8478) or a 20 bottle case (P/N 290-6210).