



# SCION FR-S / SUBARU BRZ BIG BRAKE FRONT AND REAR KITS

## Front Kit Features:

- Forged Narrow 6-piston Superlite (FNSSL6R) radial mount calipers in a choice of Wilwood red or black.
- GT competition or SRP drilled performance rotors, available in 12.88 inch diameters.
- GT aluminum hats with stainless steel rotor bolts.
- Wilwood BP-10 compound brake pads.

## Forged Narrow Superlite 6R Front Calipers

This 6-piston radial mount caliper is FEA computer designed using the latest in solid modeling and stress analysis technology. CNC machined from high strength forgings, the FNSSL6R caliper has been proven in competition and many sports driving applications. The unique 6-piston differential bore design provides balanced pad loading for even wear extending pad and rotor life. Six stainless steel pistons are employed to combat heat transfer. Five high strength steel bridge bolts produce high clamping efficiency without deflection or separation under severe load. Wilwood's replaceable SRS bridge plates dampen harmonic vibrations and eliminate bridge wear caused by the pad gauging, promoting longer caliper life. Calipers come in Wilwood red or black finish.



## 12.88" Diameter SRP or GT Front Rotors

12.88" diameter directional vane two-piece rotors provide high brake torque and exceptional cooling. SRP rotor kits for show, custom, and performance sport machines, feature the high tech look and improved performance of a directional drill and slot pattern with a e-coat finish that resists corrosion on the areas of the rotor not cleaned by pad contact. GT competition rotors with our asymmetrical slot pattern provide the highest degree of durability with extended pad and rotor life for all sustained high heat applications.

## Aluminum Alloy Hats

Aluminum front rotor mounting hats are lightweight and strong to handle the exceptional brake torque generated by the FNSSL6R calipers. These hats are specially designed to mount over the OE hubs and use special 12 point stainless steel bolts to secure the rotors.

## Wilwood "Smart Pads"

Each kit includes BP-10 compound "Smart Pads". BP-10 is a unique metallic composite compound that delivers quiet, low dust performance, but with the improve response, friction, and temperature range of a semi-metallic style pad. Optional track day and competition only pad compounds are also available to fine tune brake response for a particular vehicle type, individual driving style, or preferences.

## CNC Machined Caliper Brackets

Aluminum radial mount caliper brackets are CNC machined for precise fit to the Scion spindle and include premium grade studs, nuts, bolts, washers, and alignment shims for an accurate and secure installation.

## Flexline Kits

Stainless steel braided competition flex line kits, with machine crimped ends and the fittings necessary to connect the calipers with the OE chassis bulkhead are included with the kit.

**Big Brake Front Kit with Red Caliper and SRP Rotor**

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## Rear Kit Features:

- Forged Narrow 4-pistons Superlite (FNSL4R) radial mount calipers, available in red or black
- GT competition or SRP drilled performance rotors
- Iron hats with stainless steel rotor bolts
- Wilwood BP-10 "Smart Pad" compound brake pads

## Forged Narrow Superlite 4R Rear Calipers

FNSL4R machined billet four piston radial mount calipers are volume matched to provide the correct front to rear bias when used with the FNSL6R front kit. Stainless steel pistons are used to combat heat. Stainless steel SRS bridge wear plates eliminate pad gouging and extend caliper service life. The spring-loaded action of the SRS plates also eliminates pad rattle and dampens harmonic vibrations that contribute to pad squeal. These calipers come in Wilwood red or black anodized finish to match the front calipers.

## SRP and GT Rear Rotors

12.88" diameter SRP drilled and slotted or GT competition series two piece rotors provide additional balance and stopping power with that "Big Brake" look inside the wheel.

## Iron Hats

The specially machined iron hats bolt to the rotors and contain the drums for operation with the OE parking brake assembly. These hats are plated in a black zinc finish that resists corrosion and completes the high tech look of the rear brake assembly.

## Wilwood "Smart Pads"

Wilwood BP-10 compound pads provide response and temperature range matched to the front kits.

## CNC Machined Caliper Brackets

Aluminum radial mount caliper brackets with premium grade hardware complete the total car package.

## Flexline Kits

Stainless steel braided competition flex line kits, with machine crimped ends and the fittings necessary to connect the calipers with the OE chassis bulkhead are included with the kit.



Big Brake Rear Kit with Red Caliper and SRP Rotor

## ORDERING INFORMATION:

### PART NUMBER

### DESCRIPTION

140-12870	Front Kit, Scion, FNSL6R Caliper, 12.88" GT Rotor
140-12870-D	Front Kit, Scion, FNSL6R Caliper, 12.88" SRP Drilled and Slotted Rotor
140-12870-DR	Front Kit, Scion, FNSL6R Caliper 12.88" SRP Drilled & Slotted Rotor, Red Caliper
140-12870-R	Front Kit, Scion, FNSL6R Caliper 12.88" GT Rotor, Red Caliper
140-12871	Rear Kit, Scion, FNSL4R Caliper, 12.88" GT Rotor
140-12871-D	Rear Kit, Scion, FNSL4R Caliper, 12.88" SRP Drilled and Slotted Rotor
140-12871-DR	Rear Kit, Scion, FNSL4R Caliper, 12.88" SRP Drilled & Slotted Rotor, Red Caliper
140-12871-R	Rear Kit, Scion, FNSL4R Caliper, 12.88" GT Rotor, Red Caliper