



CIRCLE TRACK BRAKES

F88 Forged Aluminum Calipers

NEW

Offers the stopping power racers demand!

Billet pistons feature hard coat anodizing for wear resistance & long life

Extreme duty steel bridge bolts add 10% stiffness vs. billet caliper model

7/16" speed bleeders for quick installation and easy maintenance



Mounting holes on 3-1/2" center

Internal brake fluid passages - Eliminates cross-over lines

DESCRIPTION	ROTOR WIDTH	PISTON DIA.	PART #
F88 FORGED CALIPER	.810"	1 3/8"	6630010
F88 FORGED CALIPER	.810"	1 3/4"	6630020
F88 FORGED CALIPER	1.25"	1 3/8"	6630030
F88 FORGED CALIPER	1.25"	1 3/4"	6630040

Service Parts For F88 Forged Aluminum Calipers

DESCRIPTION PART # PRICE

REBUILD KIT 1.38" - F88 (INCLUDES PISTONS, O-RINGS, ABUTMENT PLATES) 6690210

REBUILD KIT 1.75" - F88 (INCLUDES PISTONS, O-RINGS, ABUTMENT PLATES) 6690240

PISTON FOR 1.38" FORGED CALIPER F88 6690292

PISTON FOR 1.75" FORGED CALIPER F88 6690275

O-RING KIT FOR 1.38" FORGED CALIPER F88 6690243

O-RING KIT FOR 1.75" FORGED CALIPER F88 6690244

SHIM KIT FOR FORGED CALIPER 6690257

DESCRIPTION

BOLT KIT, .810" FORGED CALIPER F88 6690247

BOLT KIT, 1.25" FORGED CALIPER F88 6690246

BRIDGE BOLT AND SPACER .810" FORGED CALIPER F88 6690248

BRIDGE BOLT AND SPACER 1.25" FORGED CALIPER F88 6690249

ABUTMENT PLATES F88 6690276

SPEED BLEEDER KIT 6690284



Brake Package Recommendations

Recommended Dirt Late Model .810" Rotor

Left Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630020

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640105

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Left Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630020

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640105

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Right Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.38" PISTON	6630010
F88 FORGED CALIPER 1.75" PISTON	6630020

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640104

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Right Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630020

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640104

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

CIRCLE TRACK BRAKES

Recommended **Dirt Late Model 1.25" Rotor**

Left Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640107

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Right Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.38" PISTON	6630030
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640106

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Left Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640107

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Right Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640106

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Recommended **Asphalt 1.25" Front / .810" Rear Rotor**

Left Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640107

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C2 COMPOUND HEAVY BRAKING		6651021

Right Front

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
11.75 X 1.25 SLOTTED PILLAR VANE	6640106

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C2 COMPOUND	HEAVY BRAKING	6651021

Left Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.38" PISTON	6630010

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640105

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C2 COMPOUND	HEAVY BRAKING	6651021

Right Rear

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.38" PISTON	6630010

RECOMMENDED ROTOR	PART #
11.75 X .810 SLOTTED PILLAR VANE	6640104

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C2 COMPOUND	HEAVY BRAKING	6651021

Recommended **Sprint Inboard**

.810" Rotor

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630020

RECOMMENDED ROTOR	PART #
12.19 X .810 LH SLOTTED PILLAR VANE	6640109
12.19 X .810 RH SLOTTED PILLAR VANE	6640108

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

1.25" Rotor

RECOMMENDED CALIPER	PART #
F88 FORGED CALIPER 1.75" PISTON	6630040

RECOMMENDED ROTOR	PART #
12.19 X 1.25 RH SLOTTED PILLAR VANE	6640111
12.19 X 1.25 LH SLOTTED PILLAR VANE	6640110

RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	6651011
C2 COMPOUND	HEAVY BRAKING	6651021

Leading Racers Love The F88 Billet Caliper...



Randy Korte

"I don't have to use the brakes as much because the car stops better. I would not have been able to miss two wrecks without the AFCO brake package!" - Randy Korte



CIRCLE TRACK BRAKES

Brake Package Recommendations

Recommended **Dirt Late Model .810" Rotor**

<i>Left Front</i>			<i>Right Front</i>		
RECOMMENDED CALIPER		PART #	RECOMMENDED CALIPER		PART #
F22 FORGED CALIPER 1.75" PISTON		6630220	F22 FORGED CALIPER 1.38" PISTON		6630210
			F22 FORGED CALIPER 1.75" PISTON		6630220
RECOMMENDED ROTOR		PART #	RECOMMENDED ROTOR		PART #
11.75 X .810 SLOTTED PILLAR VANE		6640105	11.75 X .810 SLOTTED PILLAR VANE		6640104
RECOMMENDED BRAKE PADS	AXLE SET	PART #	RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1002	C1 COMPOUND	LIGHT BRAKING	1251-1002
C2 COMPOUND	HEAVY BRAKING	1251-2002	C2 COMPOUND	HEAVY BRAKING	1251-2002

<i>Left Rear</i>			<i>Right Rear</i>		
RECOMMENDED CALIPER		PART #	RECOMMENDED CALIPER		PART #
F22 FORGED CALIPER 1.75" PISTON		6630220	F22 FORGED CALIPER 1.75" PISTON		6630220
RECOMMENDED ROTOR		PART #	RECOMMENDED ROTOR		PART #
11.75 X .810 SLOTTED PILLAR VANE		6640105	11.75 X .810 SLOTTED PILLAR VANE		6640104
RECOMMENDED BRAKE PADS	AXLE SET	PART #	RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1002	C1 COMPOUND	LIGHT BRAKING	1251-1002
C2 COMPOUND	HEAVY BRAKING	1251-2002	C2 COMPOUND	HEAVY BRAKING	1251-2002

Recommended **Dirt Late Model 1.25" Rotor**

<i>Left Front</i>			<i>Right Front</i>		
RECOMMENDED CALIPER		PART #	RECOMMENDED CALIPER		PART #
F22 FORGED CALIPER 1.75" PISTON		6630240	F22 FORGED CALIPER 1.38" PISTON		6630230
			F22 FORGED CALIPER 1.75" PISTON		6630240
RECOMMENDED ROTOR		PART #	RECOMMENDED ROTOR		PART #
11.75 X 1.25 SLOTTED PILLAR VANE		6640107	11.75 X 1.25 SLOTTED PILLAR VANE		6640106
RECOMMENDED BRAKE PADS	AXLE SET	PART #	RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1002	C1 COMPOUND	LIGHT BRAKING	1251-1002
C2 COMPOUND	HEAVY BRAKING	1251-2002	C2 COMPOUND	HEAVY BRAKING	1251-2002

<i>Left Rear</i>			<i>Right Rear</i>		
RECOMMENDED CALIPER		PART #	RECOMMENDED CALIPER		PART #
F22 FORGED CALIPER 1.75" PISTON		6630240	F22 FORGED CALIPER 1.75" PISTON		6630240
RECOMMENDED ROTOR		PART #	RECOMMENDED ROTOR		PART #
11.75 X 1.25 SLOTTED PILLAR VANE		6640107	11.75 X 1.25 SLOTTED PILLAR VANE		6640106
RECOMMENDED BRAKE PADS	AXLE SET	PART #	RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1002	C1 COMPOUND	LIGHT BRAKING	1251-1002
C2 COMPOUND	HEAVY BRAKING	1251-2002	C2 COMPOUND	HEAVY BRAKING	1251-2002

Recommended **Sprint Inboard**

<i>.810" Rotor</i>			<i>1.25" Rotor</i>		
RECOMMENDED CALIPER		PART #	RECOMMENDED CALIPER		PART #
F22 FORGED CALIPER 1.75" PISTON		6630220	F22 FORGED CALIPER 1.75" PISTON		6630240
RECOMMENDED ROTOR		PART #	RECOMMENDED ROTOR		PART #
12.19 X .810 LH SLOTTED PILLAR VANE		6640109	12.19 X 1.25 LH SLOTTED PILLAR VANE		6640110
12.19 X .810 RH SLOTTED PILLAR VANE		6640108	12.19 X 1.25 RH SLOTTED PILLAR VANE		6640111
RECOMMENDED BRAKE PADS	AXLE SET	PART #	RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1002	C1 COMPOUND	LIGHT BRAKING	1251-1002
C2 COMPOUND	HEAVY BRAKING	1251-2002	C2 COMPOUND	HEAVY BRAKING	1251-2002

CIRCLE TRACK BRAKES

Left Front

Recommended **Dirt Late Model** Brake Pads - F88

Right Front

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

Left Rear

Right Rear

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

Left Front

Recommended **Pavement** Brake Pads - F88

Right Front

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

Left Rear

Right Rear

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

Left Front

Recommended **Dirt Late Model** Brake Pads - F22

Right Front

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1002
C2 COMPOUND	BEST	1251-2002

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1002
C2 COMPOUND	BEST	1251-2002

Left Rear

Right Rear

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1002
C2 COMPOUND	BEST	1251-2002

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1002
C2 COMPOUND	BEST	1251-2002

Left Front

Recommended **Dirt Modified Metric** Brake Pads

Right Front

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1154
C2 COMPOUND	BEST	1251-2154

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1154
C2 COMPOUND	BEST	1251-2154

Left Rear

Right Rear

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1154
C2 COMPOUND	BEST	1251-2154

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1154
C2 COMPOUND	BEST	1251-2154

Inboard F88

Recommended **Sprint/Midget** Brake Pads - F88

Inboard F22

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	6651011
C2 COMPOUND	BEST	6651021

RECOMMENDED BRAKE PADS		PART #
C1 COMPOUND	BETTER	1251-1002
C2 COMPOUND	BEST	1251-2002

CIRCLE TRACK BRAKES

Recommended **IMCA Dirt Modified**

Left Front

RECOMMENDED CALIPER	PART #	
2-1/2" STEEL METRIC CALIPER	7241-9004	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER	PART #	
2-1/2" STEEL METRIC CALIPER	7241-9003	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER	PART #	
2-1/2" STEEL METRIC CALIPER	7241-9004	
RECOMMENDED ROTOR	PART #	
PILLAR VANE FLAT ROTOR	6640100	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER	PART #	
2-1/2" STEEL METRIC CALIPER	7241-9003	
RECOMMENDED ROTOR	PART #	
PILLAR VANE FLAT ROTOR	6640100	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Recommended **Outlaw Dirt Modified Aluminum Calipers**

Left Front

RECOMMENDED CALIPER	PART #	
2-3/8" ALUMINUM METRIC CALIPER	6630311	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER	PART #	
2" ALUMINUM METRIC CALIPER	6630310	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER	PART #	
2-3/8" ALUMINUM METRIC CALIPER	6630311	
RECOMMENDED ROTOR	PART #	
PILLAR VANE SLOTTED ROTOR	6640105	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER	PART #	
2-3/8" ALUMINUM METRIC CALIPER	6630311	
RECOMMENDED ROTOR	PART #	
PILLAR VANE SLOTTED ROTOR	6640104	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Recommended **Outlaw Dirt Modified Steel Calipers**

Left Front

RECOMMENDED CALIPER	PART #	
2-3/4" STEEL METRIC CALIPER	6630312	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER	PART #	
2-1/4" STEEL METRIC CALIPER	7241-9003	
RECOMMENDED ROTOR	PART #	
HYBRID ROTOR	9850-6505	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER	PART #	
2-3/4" STEEL METRIC CALIPER	6630312	
RECOMMENDED ROTOR	PART #	
PILLAR VANE SLOTTED ROTOR	6640105	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER	PART #	
2-3/4" STEEL METRIC CALIPER	6630312	
RECOMMENDED ROTOR	PART #	
PILLAR VANE SLOTTED ROTOR	6640104	
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

CIRCLE TRACK BRAKES

Recommended **IMCA Dirt Modified**

Left Front

RECOMMENDED CALIPER		PART #
2-1/2" STEEL METRIC CALIPER		7241-9004
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640124
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER		PART #
2-1/2" STEEL METRIC CALIPER		7241-9003
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640124
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER		PART #
2-1/2" STEEL METRIC CALIPER		7241-9004
RECOMMENDED ROTOR		PART #
PILLAR VANE FLAT ROTOR		6640100
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER		PART #
2-1/2" STEEL METRIC CALIPER		7241-9003
RECOMMENDED ROTOR		PART #
PILLAR VANE FLAT ROTOR		6640100
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Recommended **Outlaw Dirt Modified Aluminum Calipers**

Left Front

RECOMMENDED CALIPER		PART #
2-3/8" ALUMINUM METRIC CALIPER		6630311
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640125
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER		PART #
2" ALUMINUM METRIC CALIPER		6630310
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640126
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER		PART #
2-3/8" ALUMINUM METRIC CALIPER		6630311
RECOMMENDED ROTOR		PART #
PILLAR VANE SLOTTED ROTOR		6640105
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER		PART #
2-3/8" ALUMINUM METRIC CALIPER		6630311
RECOMMENDED ROTOR		PART #
PILLAR VANE SLOTTED ROTOR		6640104
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Recommended **Outlaw Dirt Modified Steel Calipers**

Left Front

RECOMMENDED CALIPER		PART #
2-3/4" STEEL METRIC CALIPER		6630312
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640125
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Front

RECOMMENDED CALIPER		PART #
2-1/4" STEEL METRIC CALIPER		7241-9003
RECOMMENDED ROTOR		PART #
HYBRID ROTOR		6640126
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154

Left Rear

RECOMMENDED CALIPER		PART #
2-3/4" STEEL METRIC CALIPER		6630312
RECOMMENDED ROTOR		PART #
PILLAR VANE SLOTTED ROTOR		6640105
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

Right Rear

RECOMMENDED CALIPER		PART #
2-3/4" STEEL METRIC CALIPER		6630312
RECOMMENDED ROTOR		PART #
PILLAR VANE SLOTTED ROTOR		6640104
RECOMMENDED BRAKE PADS	AXLE SET	PART #
C1 COMPOUND	LIGHT BRAKING	1251-1154
C2 COMPOUND	HEAVY BRAKING	1251-2154

BRAKE FLUID TECH

The two most common brake fluids used in the automotive industry are fluids that contain polyalkylene glycol ether and fluid that contains silicone or silicium-based polymer. Both fluids are common but very different in regards to the manner in which they perform. Fluids containing polyalkylene glycol ether are more widely used and are the only fluids that should be used in racing brake systems. Because brake systems may reach extreme temperatures brake fluid must have the ability to withstand these temperatures and not degrade rapidly.

SILICONE-BASED FLUID

Fluids containing silicone are generally used in military-type vehicles and, because silicone-based fluids will not damage painted surfaces, they are also somewhat common in show cars. Silicone-based fluids are regarded as DOT 5 fluids. They are highly compressible and can give the driver a feeling of a spongy pedal. The higher the brake system temperature the more the compressibility of the fluid. This increases the feeling of a spongy pedal. Silicone based fluids are non-hydroscopic meaning that they will not absorb or mix with water. When water is present in the brake system it will create a water/fluid situation. Because water boils at approximately 212°F, the ability of the brake system to operate correctly decreases, and the steam created from boiling water adds air to the system. It is important to remember that water may be present in any brake system. Silicone brake fluid lacks the ability to deal with this moisture and will dramatically decrease a brake system's performance.

POLYGLYCOL ETHER-BASED FLUIDS

Fluids containing polyglycol ether are regarded as DOT 3, 4, and DOT 5.1. These types of fluids are hydroscopic, meaning that they have an ability to mix with water and still perform adequately. However, water will drastically reduce the boiling point of the fluid. In a passenger car, this is not an issue. In a race car, it is a major issue, because as the boiling point decreases, the performance of the fluid also decreases. Polyglycol-type fluids are two times less compressible than silicone-type fluids, even when heated. Less compressibility of the brake fluid will increase pedal feel. Changing fluid on a regular basis will greatly increase the performance of the brake system. All brake fluids must meet federal standard #116. Three Department of Transportation (DOT) minimal specifications for brake fluid are defined in this standard. They are DOT 3, DOT 4, and DOT 5.1 (for fluids

based with polyalkylene glycol ether) and DOT 5 (for silicone based fluids).

MINIMAL boiling points for these specifications are as follows:

Boiling Type	Wet Boiling	Dry
	Point	Point
DOT 3	284°F	401°F
DOT 4	311°F	446°F
DOT 5	356°F	500°F
DOT 5.1	375°F	518°F
HTX 600+	421°F	618°F

DOT 3 VS. DOT 4 and 5.1

AFCO's HTX brake fluid dramatically exceeds all DOT 3, 4, and 5.1 standards for wet and dry boiling points, lubrication, corrosion protection, and viscosity specifications.

WET VS. DRY BOILING POINT

The term boiling point, when used regarding brake fluid, means the temperatures at which brake fluid will begin to boil.

WET BOILING POINT

The minimum temperatures at which brake fluids will begin to boil when the brake system contains 3% water by volume of the system.

DRY BOILING POINT

The temperatures at which brake fluid will boil with no water present in the system.

MOISTURE IN THE BRAKE SYSTEM

Water/moisture can be found in nearly all brake systems. Moisture enters the brake system in several ways. One of the more common ways is from using old or pre-opened fluid. Keep in mind that brake fluid draws in moisture from the surrounding air. Tightly sealing brake fluid bottles and not storing them for long periods of time will help keep moisture out. When changing or bleeding brake fluid, always replace master cylinder caps as soon as possible to prevent moisture from entering the system. Condensation (small moisture droplets) can form in lines and calipers. As caliper and line temperatures heat up and cool repeatedly, condensation forms, leaving behind an increase in moisture/water. Over time, the moisture becomes trapped in the internal sections of calipers, lines, master cylinders, etc. When this water reaches 212°F, the water turns to steam. Many times, air in the brake

system is a result of water that has turned to steam. The buildup of steam will create air pressure in the system, sometimes to the point that enough pressure is created to push caliper pistons into the brake pad. This will create brake drag as the rotor and pads make contact and can also create more heat in the system. Another way that moisture may enter the system is through diffusion. Diffusion occurs when moisture enters through rubber brake hoses. Using hoses made from EPDM materials (Ethlene-Propylene-Diene-Materials) OR steel braided brake hoses with a non-rubber sleeve (usually Teflon) will greatly reduce the diffusion process.

THINGS TO REMEMBER

- A brake fluid's dry boiling point is more important than wet boiling point when used in a racing brake system.
- Racing brake system fluid should be changed often. A system with fresh fluid will have a lower moisture content and therefore perform best.
- Never use silicone-based fluids in racing brake systems.
- Never reuse fluid. Never mix types or brands of brake fluid.
- Purge the system (completely drain) and replace the brake fluid often for maximum performance.





NEW PRODUCT RELEASE

AFCO Racing Introduces New Brake Pads & Superior Stopping Power

AFCO Racing Products is proud to announce the launch of our new Brake Pad Compounds, available for F88 Calipers, F22 Calipers, and GM Metric Calipers.

The new AFCO Racing Brake Pads allow the racer to have different compounds for the front, rear, left side and right side of the car, which custom tunes how the car stops.

AFCO's new brake pads have been tested and validated over the past year by many top racers such as:

- Rick Eckert
- Todd Shute
- Stormy Scott
- Billy Moyer Jr.
- Donnie Moran
- Jason Hughes
- Jimmy Gustin
- Hunter Schuerenburg
- Dennis Erb
- Zack Vanderbeek
- Ryan Gustin
- Brady Short
- Shannon Babb
- Dave Cain
- Brady Short
- Kelly Shryock
- Kelly Shryock
- Kelly Shryock
- Kelly Shryock

Applications: • Dirt & Asphalt Late Models • Modifieds • Stock Cars • Sprint Cars



See page 54 of the 2015 AFCO Modified/Street Stock Catalog for more info.

AFCO Racing Brake Pads Conversion Chart

Compound	Competitor A	Competitor B	Competitor C	Benefits
SR32		DTC05	BP-10	More heat range with lower grip for RF of dirt cars.
SR33	Performance Friction 97	Black	Poly Matrix B	More heat range, less glazing, ideal for front of dirt car and rear asphalt
SR34	Performance Friction 01	Blue	Poly Matrix H	More heat range, less glazing, less rotor wear, ideal for rear of dirt cars and front of asphalt cars.
C1	Performance Friction 97	Black	Poly Matrix B	Medium heat range, low rotor wear, ideal for stock cars and sport mods.
C2	Performance Friction 01	Blue	Poly Matrix H	Very aggressive braking in short application times, ideal for rear of dirt cars and front of asphalt cars.



F88 Pads

SR30 Compound

- #6651002
- Developed for the right front of dirt cars where a low grip pad is needed.
- Builds bias in the front brake system, which helps the car turn better when the racer applies 4-wheel brakes.

SR33 Compound

- #6651012
- Developed for the front and rear of dirt cars and rear of asphalt cars where a medium grip pad is needed.
- Reduced amount of glazing, resulting in improved stopping power and less rotor wear.
- Wider temperature range reduces brake fade and allows the racer to get more life out of the pad, which saves money.

SR34 Compound

- #6651022
- Developed for rear of dirt cars and front of asphalt cars.
- A reduced amount of glazing for improved stopping power and less rotor wear.
- Higher temperature range (200 - 1600 degrees) makes this heavy grip pad very versatile and resistant to fade.



F22 Pads

SR30 Compound

- #6652002
- Developed for the right front of dirt cars where a low grip pad is needed.
- Builds bias in the front brake system, which helps the car turn better when the racer applies 4-wheel brakes.

SR33 Compound

- #6652012
- Developed for the front and rear of dirt cars and rear of asphalt cars where a medium grip pad is needed.
- Reduced amount of glazing, resulting in improved stopping power and less rotor wear.
- Wider temperature range reduces brake fade and allows the racer to get more life out of the pad, which saves money.

SR34 Compound

- #6652022
- Developed for rear of dirt cars and front of asphalt cars.
- A reduced amount of glazing for improved stopping power and less rotor wear.
- Higher temperature range (200 - 1600 degrees) makes this heavy grip pad very versatile and resistant to fade.



GM Metric Pads

SR32 Compound

- #6653002
- Developed for the right front of dirt cars where a low grip pad is needed.
- Builds bias in the front brake system, which helps the car turn better when the racer applies 4-wheel brakes.

SR33 Compound

- #6653012
- Developed for the front and rear of dirt cars and rear of asphalt cars where a medium grip pad is needed.
- Reduced amount of glazing, resulting in improved stopping power and less rotor wear.
- Wider temperature range reduces brake fade and allows the racer to get more life out of the pad which saves money.

SR34 Compound

- #6653022
- Developed for rear of dirt cars and front of asphalt cars.
- A reduced amount of glazing for improved stopping power and less rotor wear.
- Higher temperature range (200 - 1600 degrees) makes this heavy grip pad very versatile and resistant to fade.



Brady Short

"AFCO Brakes give me the most stopping power of any brake package on the market."



Ricky Weeks

"This is by far the best brake package I have ever used on my race cars. They are consistent from lap to lap, release well off the pedal, they never give up no matter how hard I push them, and take less time on the pedal to stop the car."



Rick Eckert

"Throughout the past seasons there are places we race that I always had brake issues. With the AFCO Brake Package, I went the entire season with absolutely zero issues and had the best brakes I have ever had."



Danny Dietrich
10 2014 Season Wins on AFCO Brakes



Stormy Scott
Multi-regional crown winner on AFCO Brakes



Randy Korte
14 2014 Season Wins on AFCO Brakes