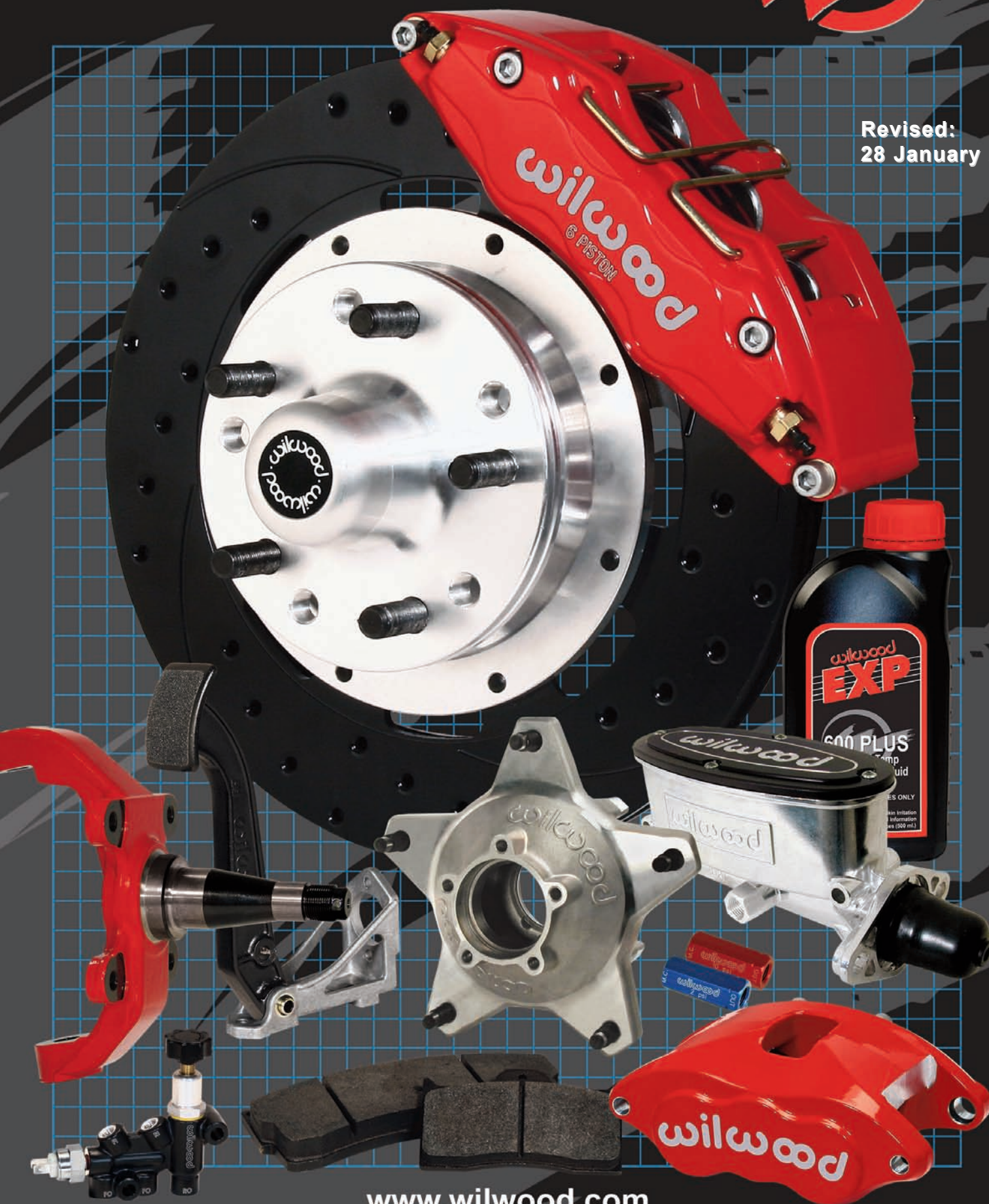


WILWOOD DISC BRAKES TECHNICAL & PARTS GUIDE



Revised:
28 January 2011



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• WHAT'S NEW AT WILWOOD •

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WHAT'S NEW AT WILWOOD

Wilwood never rests. We have been designing, testing and manufacturing new and improved items to enhance your performance automotive needs. On these pages are some of the highlights and where to find detailed information on each product.

DynaPro Calipers - The next generation of full detail machined forged billet calipers with common mounting to upgrade from the traditional Dynalite series.

DynaPro Radial Mount - Page 42

DynaPro 3.50" Narrow Lug Mount - Page 44

DynaPro Six Piston - Page 46

DynaPro 5.25" Lug Mount - Page 48

DynaPro 5.25" Lug Mount w/Dust Boots
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DynaPro Single - Page 56



Superlite 4 - FSLI and FSLI4/ST with Internal Fluid Passages - Page 28

D52 - Floating Mount Replacement Caliper - Page 38



W4AR - W6AR - W6AR/ST
Forged Billet Radial Mount Calipers
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CPB - Combination Parking Brake
Hydra-Mechanical Caliper - Page 55



GP 310 Color Motorcycle Calipers - Page 60

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



DOT 5 "FIVE" Silicone Brake Fluid - Page 124



Brake Line Valve - Electric Shut Off Valve For Oval Track
Page 112



ProSpindle - Standard Height and 2" Drop Forged Steel Spindle for Mustang II Based Suspensions - Page 126



Performance Hubs - Forged Billet Hubs which come in our Pro-Street kits are now available individually for most popular applications.
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Black Electro Coat SRP Rotors
A New Revolutionary Coating That Has Great Corrosion Resistant Characteristics, Shown Run-in
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Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



INTRODUCTION

Wilwood's technical and parts manual represents our "in stock" product line. It has been designed to make your purchasing easier with expanded part number listings, photos, dimensional drawings and technical assistance. If you have a disc brake application that is not included, please do not hesitate to call as we are continuously adding to our product line. To place an order or for technical assistance, call 805 • 388-1188, Monday through Friday, 7:30 A.M. - 4:30 P.M. PST, or visit our web site at www.wilwood.com, or e-mail: support@wilwood.com.

WARNING

IT IS THE RESPONSIBILITY OF THE PERSON INSTALLING ANY BRAKE COMPONENT OR KIT TO DETERMINE THE SUITABILITY OF THE COMPONENT OR KIT FOR THAT PARTICULAR APPLICATION. IF YOU ARE NOT SURE HOW TO SAFELY USE THIS BRAKE COMPONENT OR KIT, YOU SHOULD NOT INSTALL OR USE IT. DO NOT ASSUME ANYTHING. IMPROPERLY INSTALLED OR MAINTAINED BRAKES ARE DANGEROUS. IF YOU ARE NOT SURE, GET HELP OR RETURN THE PRODUCT. YOU MAY OBTAIN ADDITIONAL INFORMATION AND TECHNICAL SUPPORT BY CALLING WILWOOD AT (805) 388-1188, OR VISIT OUR WEB SITE AT WWW.WILWOOD.COM. USE OF WILWOOD TECHNICAL SUPPORT DOES NOT GUARANTEE PROPER INSTALLATION. **YOU**, OR THE PERSON WHO DOES THE INSTALLATION MUST KNOW HOW TO PROPERLY USE THIS PRODUCT. IT IS NOT POSSIBLE OVER THE PHONE TO UNDERSTAND OR FORESEE ALL THE ISSUES THAT MIGHT ARISE IN YOUR INSTALLATION.

RACING EQUIPMENT AND BRAKES MUST BE MAINTAINED AND SHOULD BE CHECKED REGULARLY FOR FATIGUE, DAMAGE, AND WEAR.

A few helpful hints when using this manual:

- Dimensions are given in decimal (or fractional) and metric equivalents. Metric dimensions are indicated by (xx,x) on the drawings and tables.
- Disc and Rotor are used interchangeably throughout the catalog, they both refer to the same part.
- For orientation purposes, calipers (non-differential bore) are designated left and right based upon being mounted on the rear side of the rotor. If calipers are to be mounted on the front of the rotor, simply criss-cross the calipers, i.e., the right side now becomes the left, and the left side becomes the right. Differential bore calipers are unique for each mounting position and are so designated. Wilwood's external crossover tubes should be mounted with the crossover tube down, and the bleed screws in the up position.
- Brake pads sets with a "K" suffix are packaged and sold in axle sets, 4 pads to a box unless otherwise noted.
- Calipers that are available with optional finishes will be identified by the icons illustrated below. They can be found adjacent to the photographs on the individual product pages.

 Black Anodized  Black Powder  Red Powder  Polished  Chrome  Silver (Clear)  Platinum-E

• Non-standard abbreviations used throughout the manual:

- | | |
|-----------------------------------|--------------------------|
| • C = Coarse | • PM = ProMatrix |
| • CDP = Chrysler, Dodge, Plymouth | • RH = Right Hand |
| • F = Fine | • RS = Rear Side Mount |
| • FS = Front Side Mount | • SI = Side Inlet |
| • H/D = Heavy Duty | • SM = Sintered Metallic |
| • LG = Long | • SQ = Square |
| • LH = Left Hand | • ST = Short Track |
| • MTG = Mounting | • UL = Ultralight |

DOT APPROVAL FOR HIGHWAY USE

With the exception of brake hoses and brake fluid, there are no State or Federal DOT specifications regarding the materials, processes, or style for the other components within a brake system. Specifications that would regulate calipers, rotors, hats, hubs, brake pads, and the other individual components within the brake system do not exist. It is the responsibility of the vehicle manufacturer to configure a vehicle's brake system to perform within Federal Motor Vehicle Safety Standards. It is therefore NOT accurate to identify any brake system component other than hoses or fluid as "DOT approved".



















WARNING • DO NOT OPERATE ANY VEHICLE ON UNTESTED BRAKES!

BEFORE OPERATING VEHICLE, TEST THE BRAKES UNDER CONTROLLED CONDITIONS IN A SAFE AREA. TEST THE SYSTEM IN STATIC CONDITIONS FOR PROPER PEDAL HEIGHT AND THE ABILITY TO HOLD PRESSURE BEFORE ATTEMPTING TO MOVE THE VEHICLE. MAKE SEVERAL STOPS IN A SAFE AREA AT SLOW SPEEDS AND GRADUALLY WORK UP TO NORMAL OPERATING CONDITIONS. **ALWAYS** UTILIZE SAFETY RESTRAINT SYSTEMS AND ALL OTHER REQUIRED SAFETY EQUIPMENT WHILE OPERATING THE VEHICLE.

IMPORTANT: READ THE DISCLAIMER OF WARRANTY INSIDE THE BACK COVER.

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

CALIPER INFORMATION:

	
FORGED TC 6R	STR
	
P6R	INTEGRA 6R
	
W6AR	GN III
	
BILLET SUPERLITE 6R	FORGED BILLET SUPERLITE
	
DYNAPRO NDL	IRGT-4R
	
BILLET DYNAPRO RADIAL MOUNT	BILLET POWERLITE
	
FORGED BILLET DYNALITE	BILLET DYNAPRO LUG
	
GM D52	GP 320
	
BILLET DYNAPRO SINGLE	KART / JR. DRAGSTER

Wilwood manufactures brake calipers covering a range of applications from world class professional motorsports to the weekend sports driver and recreational vehicle enthusiast. The overall pad size, shape, and available friction material volume are key factors in the caliper selection process. The caliper section of this catalog is generally arranged by pad capacity from the largest to the smallest.

Wilwood calipers are manufactured from specific and proprietary aluminum alloys. Calipers may be **forged** from premium grade alloy billets, machined from **billet** stock, or formed using close tolerance **casting** processes.

Many caliper models are offered with a choice of piston sizes, construction and materials. Combined piston area, not caliper size, is the primary influence on a caliper's clamping power. The piston volume must match the master cylinder bore size and pedal leverage to realize peak performance. Rotor diameter will also impact the system's effectiveness. Different piston sizes provide the car builder with options to maximize the overall balance and brake system performance.

Piston material is selected based on the caliper's intended operating environment. **Stainless steel** pistons are used most often in calipers intended for high performance or competition applications. Stainless steel is selected for its low heat transfer properties and high resistance to corrosion. For extreme temperature environments, Wilwood's exclusive multi-piece insulated **Thermlock®** pistons provide ultimate protection against heat transfer from the brake pads into the caliper body, piston seals, and brake fluid. Aluminum pistons are only used in low to medium temperature applications, usually in conjunction with rubber piston boots that protect the pistons from corrosion and debris.

Wilwood incorporates a variety of innovative and time proven performance enhancements in its caliper designs. They include, radial mounting, differential piston bores, high temperature seals, SRS Squeal Reduction and bridge reinforcement plates, internal heat shields, quick access pad retention, shock dampened fluid tubes, and center bridge bolts. A durable black anodized finish is standard, with some available in red or a polished finish for show car applications. The availability and benefits of these features are discussed further in the individual product listings.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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• CALIPERS •



STR RADIAL MOUNT CALIPER

Caliper Highlights:

Wilwood's **STR** radial mount caliper is the result of extensive testing and development focused on overcoming racing's most demanding high temp conditions. There are no brake tests tougher than stock cars racing on the legendary short tracks and road courses like Martinsville and Watkins Glen. The **STR** caliper is engineered to maximize braking under these extreme conditions.



The development of the **STR** caliper began with FEA structural design and stress analysis. The goal was to achieve a highly efficient clamping force with the lowest amount of deflection and fluid displacement resulting in a firm, consistent pedal feel for the driver. The caliper accommodates the widest, most thermally efficient rotor ever built. Extensive prototype testing and development has minimized structural deflection and volume displacement on this caliper and support components. The **STR** easily outperforms other short track systems in comparison testing with vastly superior heat management.

Weighing just 10.38 pounds, the **STR** features a six piston differential bore configuration that is easily matched with common pedal ratios and master cylinder bore sizes. The size, and location of each piston effectively varies the pressure load to compensate for natural temperature changes that occur over the length of the pad. This assures flat pad wear during extreme heat build-up on long green flag runs. Wilwood's exclusive **Thermlock® T2** pistons dramatically reduce heat transfer from the pads to the caliper body, piston seals, and fluid. This not only maintains safe and manageable caliper operating temperatures, it also keeps the heat in the pads where it can be properly removed by the rotor. A total of ten pre-loaded bridge bolts provide unmatched strength. The center bridge bar provides additional strength, and also accommodates quick and easy pad changes without caliper removal. Two-piece bleed assemblies enable hot bleeding without the risk of seat damage in the caliper body. All fluid tubes are vibration dampened to resist stress fractures and reduce the possibility of damage from track debris. Not only is this caliper stronger than mono-block designs, it is far easier and faster to service at the track.

The **STR** caliper uses PolyMatrix 9330 type brake pads in the compounds most suited to severe duty competition.

THERMLOCK T2 SHORT TRACK PISTON:

Wilwood's unique **Thermlock® T2** Short Track Piston is standard in our **STR** calipers, for complete details and a cross-section line drawing, please refer to page 109.

1.62" (41,9 mm) Diameter - Order P/N: 200-7398
1.25" (31,8 mm) Diameter - Order P/N: 200-7402

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NUMBER	
		RH	LH
1.62 / 1.25 / 1.25" 41,1 / 31,8 / 31,8 mm	1.62" 41,1 mm	120-7482-FS	120-7482-FS
CALIPER MOUNTING BRACKET KIT 7.80" (198,1) RADIAL TO 5.25" (133,4) GT LUG - P/N: 250-7426			

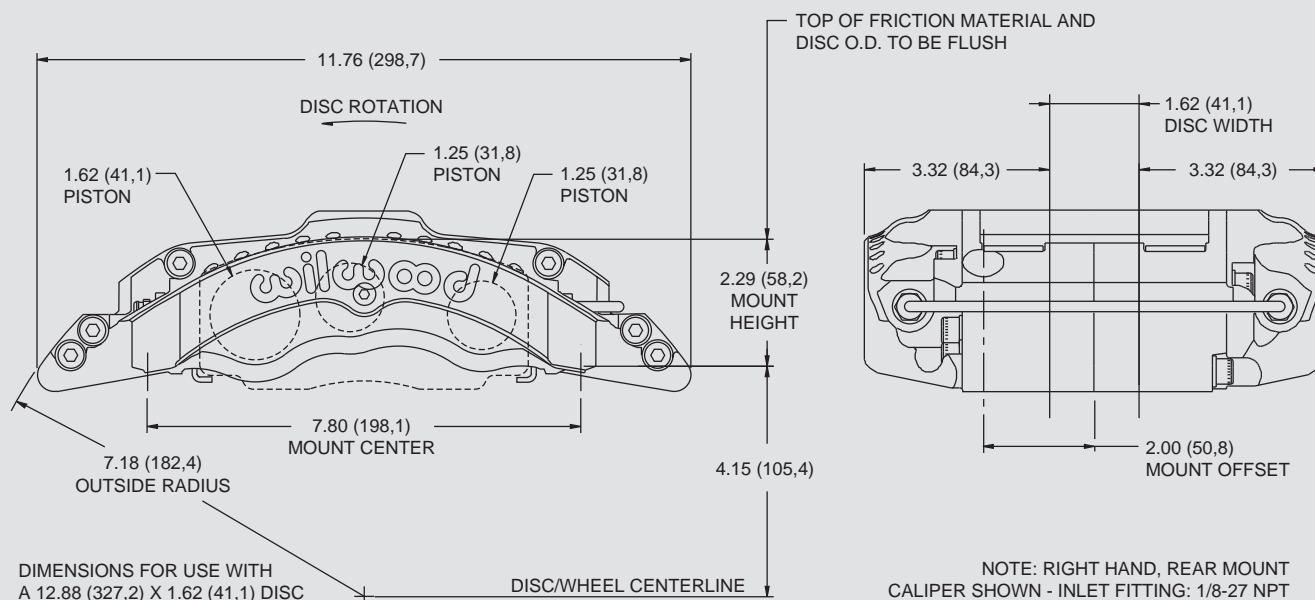
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

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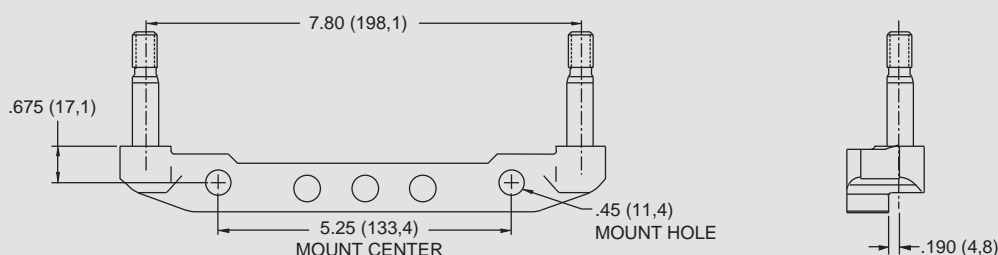


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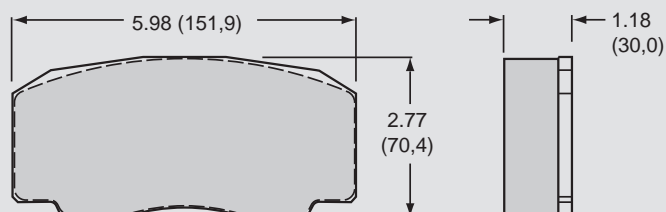
STR CALIPER, MOUNTING DIMENSIONS:



RADIAL CALIPER TO LUG MOUNT ADAPTER BRACKET, PART NUMBER 250-7426 - STEEL:



STR BRAKE PAD TYPE 9330 - PAD VOLUME = 13.2 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7509K	9330 A PolyMatrix
15H - 8119K	9330 H PolyMatrix

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	THERMLOCK PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (2 PK)	SELF-BLEED TUBE (EA)	BRIDGE BAR KIT	BRIDGE WEAR PLATE (EA)	MOUNT BOLT AND SHIM KIT
120-7482	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-6069	190-7547	190-7507	300-7546	300-7490	230-7031
120-7483	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-6069	190-7547	190-7507	300-7546	300-7490	230-7031

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



P6R RADIAL MOUNT CALIPER

Caliper Highlights:

Wilwood's six piston **P6R** caliper leads the pack in Short Track and Road Course braking technology. **Thermlock® T2** insulated short track pistons come standard in the **P6R** and are positioned employing our proven exclusive stagger pattern resulting in unmatched caliper rigidity and balanced pad load characteristics. Holding a large 13.2 cubic inch pad, it is designed with heat management technology derived from years of short track experience combined with the latest in solid modeling and stress simulation programs. Brake pad distortion and taper is virtually eliminated. Pedal feel is responsive, predictable and consistent.



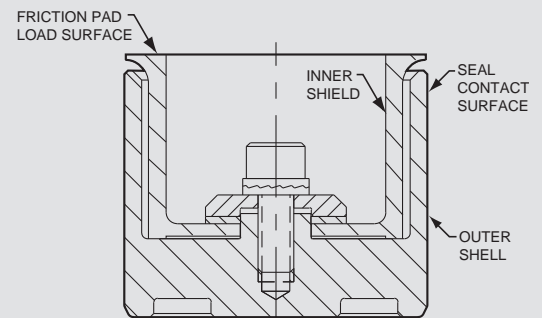
Weighing just 7.2 pounds, this ultra-stiff radial mount caliper comes with **Thermlock® T2** pistons and is fully heat shielded for maximum seal life and brake fluid protection. Additional features include dual bridge bolts, heavy duty pad load plates and protected two-piece bleed screws and crossover tube. We also offer a lightweight mounting bracket from 7.80" (198,1) radial to 5.25" (133,4) **GT** lug mount pattern. Self bleed lines are available for the **P6R**.

THERMLOCK T2 SHORT TRACK PISTON:

Wilwood's **Thermlock® T2** pistons incorporate a stainless steel shield and coated aluminum shell configuration to provide a highly efficient thermal barrier between the brake pads and the caliper body, seals, and fluid. Lower operating temperatures eliminate seal crystallization and localized fluid boiling while providing longer caliper service life through decreased distortion in the caliper body and piston bores. **Thermlock® T2** pistons are standard equipment in all **P6R** calipers.

1.62" (41,1 mm) Diameter - Order P/N: 200-7398

1.25" (31,8 mm) Diameter - Order P/N: 200-7402



THERMLOCK T2 PISTON CROSS-SECTION

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NUMBER	
		RH	LH
1.62 / 1.25 / 1.25" 41,1 / 31,8 / 31,8 mm	1.62" 41,1 mm	120-7604-FS	120-7605-FS

CALIPER MOUNTING BRACKET KIT 7.80" (198,1) RADIAL TO 5.25" (133,4) GT LUG - P/N: 250-7426

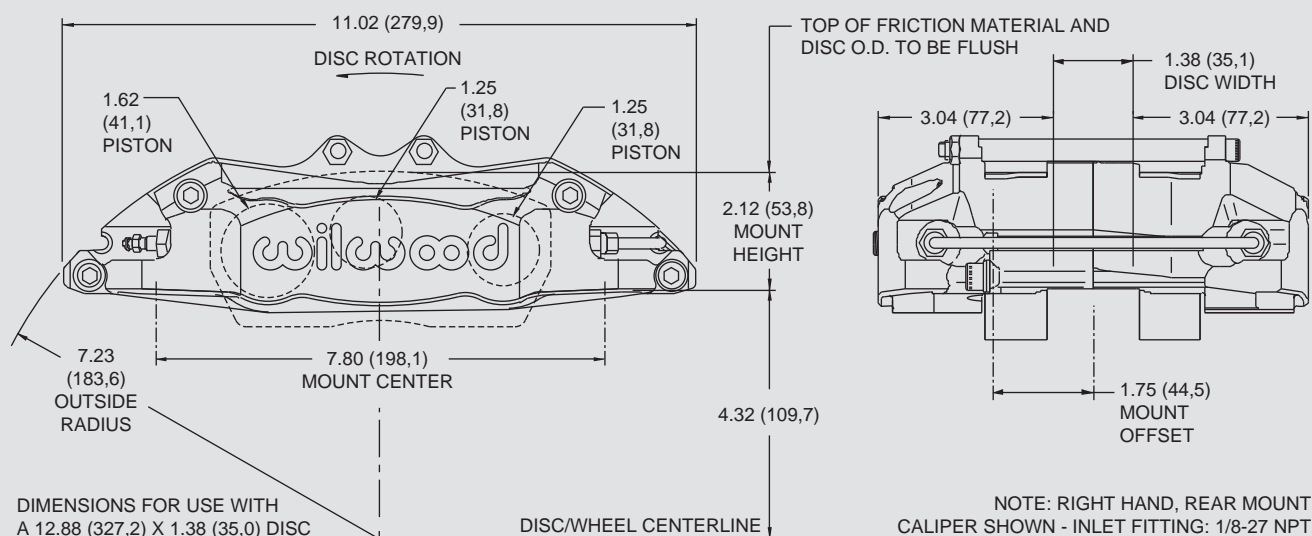
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

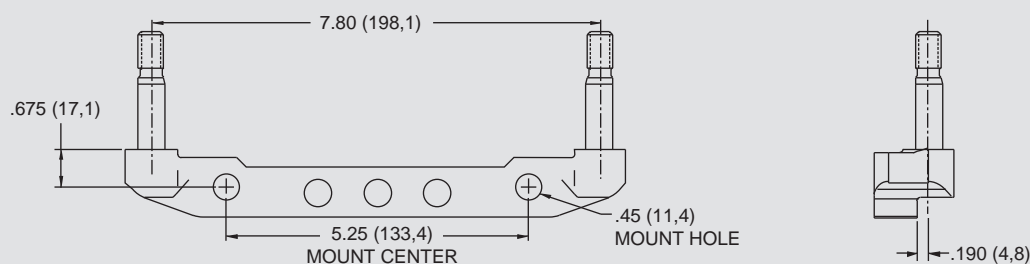


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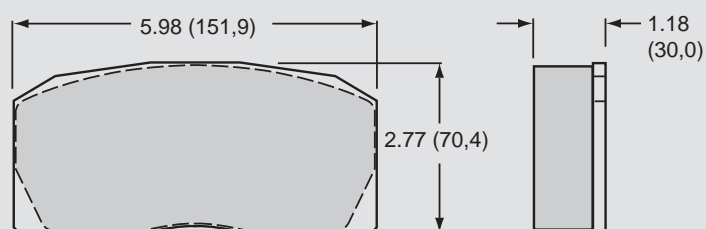
P6R RADIAL MOUNT CALIPER, MOUNTING DIMENSIONS:



RADIAL CALIPER TO LUG MOUNT ADAPTER BRACKET, PART NUMBER 250-7426 - STEEL:



P6R BRAKE PAD TYPE 9930 - PAD VOLUME = 13.2 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5742K	9930 A PolyMatrix
15H - 8107K	9930 H PolyMatrix

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	THERMLOCK PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (2 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)	MOUNT BOLT AND SHIM KIT
120-7604	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-0627	190-5669	190-5604	230-6819	300-5712 (R/H) 300-5713 (L/H)	230-7031
120-7605	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-0627	190-5669	190-5604	230-6819	300-5712 (R/H) 300-5713 (L/H)	230-7031

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



INTEGRA 6R RADIAL MOUNT CALIPER

Caliper Highlights:

Wilwood's six piston **Integra 6R** caliper utilizes sophisticated Finite Element Analysis, Stress Simulation and Heat Management programs to provide a powerhouse of stopping performance weighing just 5.50 pounds. The **Integra 6R** caliper employs our proven exclusive piston stagger pattern resulting in unmatched caliper rigidity and balanced pad load characteristics; brake pad distortion and taper is virtually eliminated. The fully heat shielded design provides phenomenal heat protection for a consistent, responsive pedal throughout the longest races.



Black Anodized

Three different pad and rotor combinations are utilized with this caliper depending on race requirements: short track/road course, intermediate track and super speedways or qualifying. With the **Integra 6R** caliper, brake performance is maximized while maintaining the lowest possible unsprung weight. All Wilwood **Integra 6R** calipers come standard with **Thermlock® T2** insulated short track pistons for maximum heat protection.

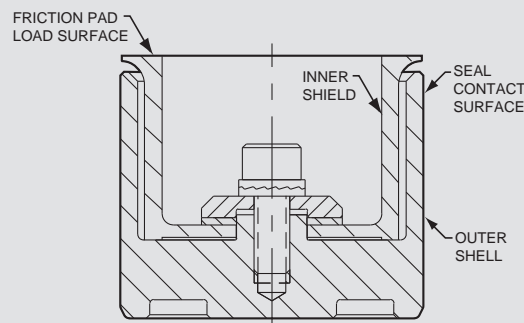
We also offer a lightweight mounting bracket, either aluminum or steel from 7.09" (180,0) radial to 5.25" (133,4) GT lug mount pattern. Self bleed lines are also available for these calipers.

THERMLOCK T2 SHORT TRACK PISTON:

Wilwood's **Thermlock® T2** pistons incorporate a stainless steel shield and coated aluminum shell configuration to provide a highly efficient thermal barrier between the brake pads and the caliper body, seals, and fluid. Lower operating temperatures eliminate seal crystallization and localized fluid boiling while providing longer caliper service life through decreased distortion in the caliper body and piston bores. **Thermlock® T2** pistons are standard equipment in all **Integra 6R** calipers.

1.62" (41,1 mm) Diameter - Order P/N: 200-7398

1.25" (31,8 mm) Diameter - Order P/N: 200-7402



THERMLOCK T2 PISTON CROSS-SECTION

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.62 / 1.25 / 1.25"	1.38 / 1.31 / 1.25"	120-5690-FS	120-5691-FS	120-5690-RS	120-5691-RS
41,1 / 31,8 / 31,8 mm	35,1 / 33,3 / 31,8 mm				
CALIPER MOUNTING BRACKET KIT 7.09" (180,0) RADIAL TO 5.25" (133,4) GT LUG					
ALUMINUM BRACKET		P/N: 250-5687			
STEEL BRACKET		P/N: 250-7423			

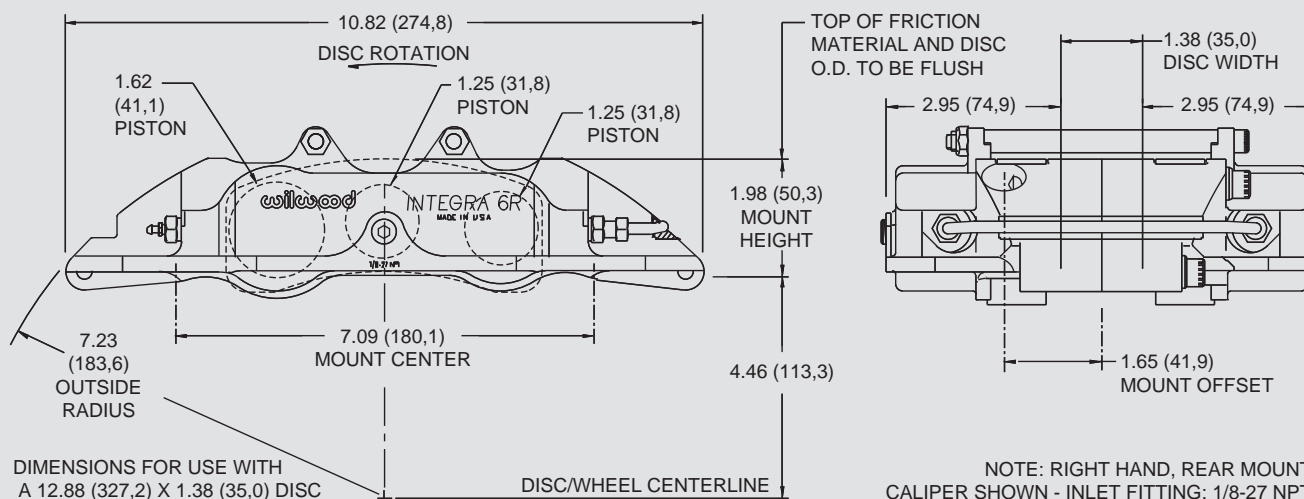
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
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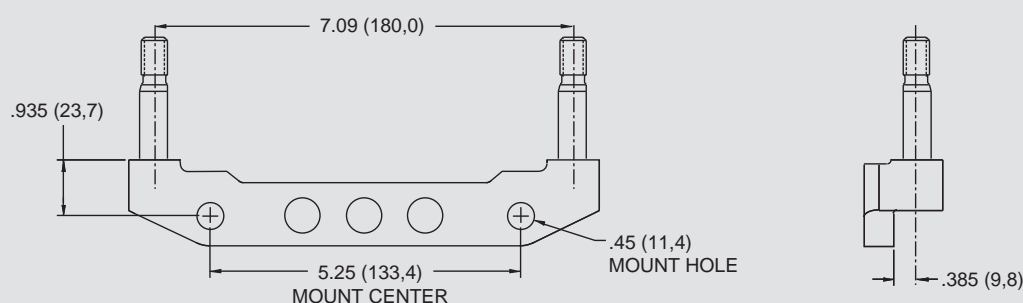


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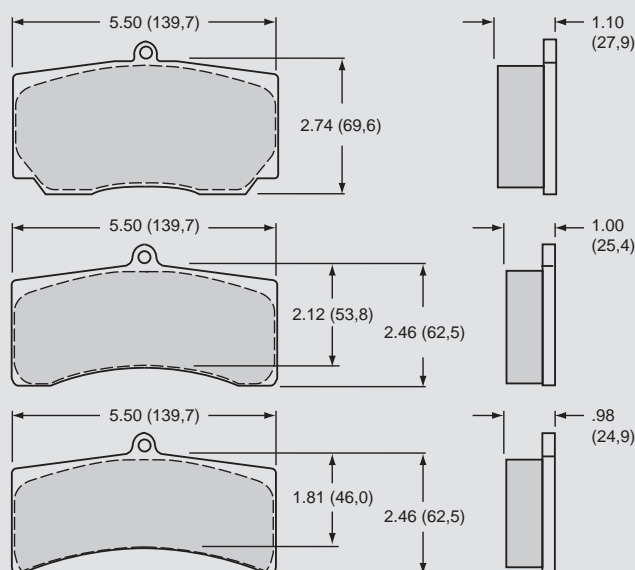
INTEGRA 6R RADIAL MOUNT CALIPER, MOUNTING DIMENSIONS:



RADIAL CALIPER TO LUG MOUNT ADAPTER BRACKET, P/N 250-5687 - ALUMINUM, OR 250-7423 - STEEL:



INTEGRA 6R BRAKE PAD TYPE 9625 - VOLUME = 7.2 CU. IN. / 9725 - VOLUME = 8.0 CU. IN. / 9828 - VOLUME = 10.4 CU. IN.:



HP CONFIGURATION

AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5741K	9828 A PolyMatrix
15H - 8110K	9828 H PolyMatrix

IP CONFIGURATION

AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5740K	9725 A PolyMatrix
15H - 8109K	9725 H PolyMatrix

LP CONFIGURATION

AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5765K	9625 A PolyMatrix

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	THERMLOCK PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (2 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)	MOUNT BOLT AND SHIM KIT
120-5690	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-0627	190-5310	190-5144	230-5004	300-5710 (R/H) 300-5711 (L/H)	230-7031
120-5691	200-7402 (1.25") 200-7398 (1.62")	130-5660	220-0627	190-5310	190-5144	230-5004	300-5710 (R/H) 300-5711 (L/H)	230-7031

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



GN III AND GN III/ST CALIPERS

Caliper Highlights:

Wilwood's **GN III** is a time proven caliper that has been widely used with 5 on 5 hubs for stock car, road course, and off-road competition. The 3.50" mount configuration (also available in 6.00" mount) incorporates this legacy of enduring performance, with options available for the latest brake system heat management technology.

3.50" mount with taller height for 12.19" rotors.

The new generation **GN III** uses the same popular 3.50" mounting pattern found on the Superlite caliper series, but are built with a taller mounting height. This feature accommodates the installation of 12.19" diameter rotors on the same spindle brackets used with a Superlite caliper and 11.75" diameter rotor. The **GN III** can be run with either a 1.25" or 1.38" thick rotor. This makes it possible to run three different bolt-on brake setups, without the need for bracket changes on the spindle.



Black Anodized

High strength, low deflection, and superior stopping power. Each **GN III** is manufactured from a precision casting using a tight grained, high-density aircraft alloy. It is a two-piece, closed bridge design with grade 8 thru-bolts and external stiffening ribs. The **GN III** utilizes a unique six-piston configuration that generates high clamping force with balanced loading for extremely even pad wear. The 1.75" / 1.38" / 1.38" bore pattern contains a total of 5.44 square inches of effective piston clamp area. This makes the **GN III** one of the largest calipers available, with weights starting at 5.94 pounds. The caliper bridges are fitted with stainless steel plates to reduce wear and provide smooth pad operation. Dual center bridge bolts add to the overall caliper strength and provide positive retention for the top loaded pads. Dollar for dollar, this combination is unmatched for high strength, low deflection, and superior stopping power.

Thermlock® or stainless steel pistons. The standard **GN III** uses six stainless steel cup pistons. Stainless is used for its slow heat transfer properties and high corrosion resistance. The **GN III/ST** models feature Wilwood's exclusive **Thermlock®** pistons to minimize the direct heat transfer from the pads. These pistons can reduce caliper temperatures by more than 30% over stainless steel pistons, without the need for fluid recirculation systems. Fluid temperatures are reduced, seal life is extended, and caliper service life is prolonged with less distortion and reduced wear in the piston bores. Cooler temperatures translate into maximum performance and ultimate reliability over the longest run. **Thermlock® pistons are also available for the 6.00" mount, see page 109 for details.** Using EXP 600 Plus racing brake fluid will guarantee success with trouble free performance in all extreme conditions.

Big pad volume. The 3.50" or 6.00" mount **GN III** calipers use the 7520 style pad. The longer and wider pad face provides a full two cubic increase in pad volume over a 7320 style Superlite pad. Larger pads mean longer wear and additional heat resistance in extreme duty conditions. Four brake compounds are available to match brake torque and heat range requirements on any application.

3.50" MOUNT GN III WITH STAINLESS STEEL PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.75 / 1.38 / 1.38"	1.25 - 1.38"	120-6478-RS	120-6479-RS
44,5 / 35,1 / 35,1 mm	31,8 - 35,1 mm		

6.00" MOUNT GN III WITH STAINLESS STEEL PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.75 / 1.38 / 1.38"	1.38"	120-3030-FS	120-3031-FS	120-3030-RS	120-3031-RS
44,5 / 35,1 / 35,1 mm	35,1 mm				

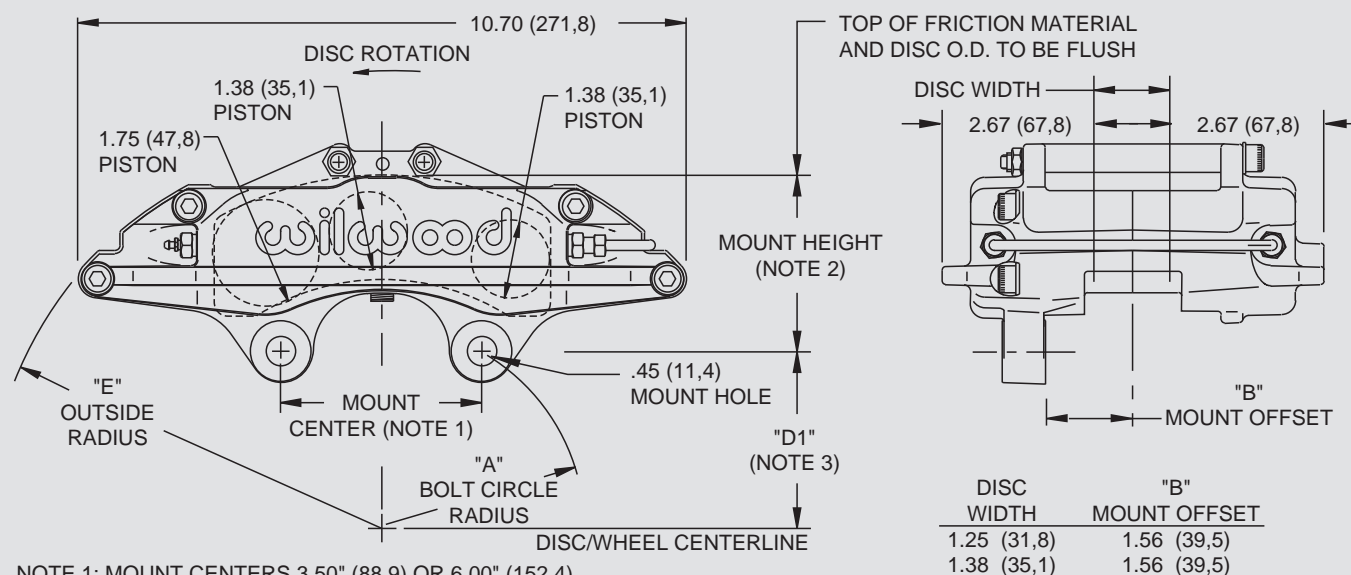
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



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GN III CALIPER, MOUNTING DIMENSIONS:



NOTE 1: MOUNT CENTERS 3.50" (88,9) OR 6.00" (152,4)

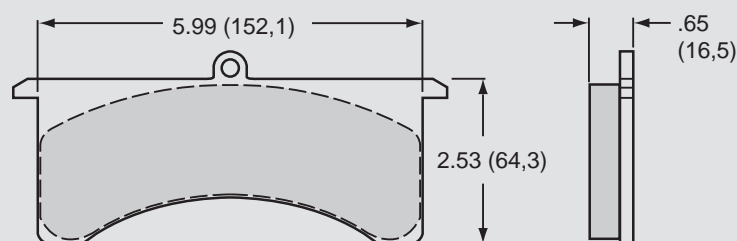
NOTE 2: 3.07" (77,9) FOR 3.50" MOUNT CENTER MODELS
3.11" (79,0) FOR 6.00" MOUNT CENTER MODELS

NOTE 3: 3.50" MOUNT "D1" = (DISC DIAMETER/2) - 3.07 (77,9)
6.00" MOUNT "D1" = (DISC DIAMETER/2) - 3.11 (79,0)

NOTE 4: RIGHT HAND, REAR MOUNT CALIPER SHOWN
INLET FITTING: 1/8-27 NPT

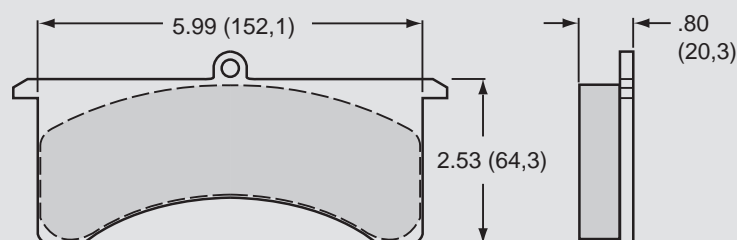
DISC DIAMETER	"A" BOLT CIRCLE RADIUS 3.50" MOUNT	6.00" MOUNT	"E" OUTSIDE RADIUS
12.19 (309,6)	3.50 (88,9)	4.23 (107,4)	6.92 (175,8)
12.72 (323,1)		4.42 (112,3)	7.10 (180,3)
13.00 (330,2)		4.53 (115,1)	7.19 (182,6)

GN III BRAKE PAD TYPE 7516 - PAD VOLUME = 5.0 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 10648K	7516 A PolyMatrix
15E - 10228K	7516 E PolyMatrix
150 - 9605K	7516 20 BP-20 Smart Pad

GN III BRAKE PAD TYPE 7520 - PAD VOLUME = 6.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5736K	7520 A PolyMatrix
15B - 3993K	7520 B PolyMatrix
15E - 6101K	7520 E PolyMatrix
15Q - 6879K	7520 Q PolyMatrix
150 - 9425K	7520 10 BP-10 Smart Pad
150 - 9417K	7520 20 BP-20 Smart Pad

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)	COTTER PINS (10 PK)
120-3030	200-7516 (1.38") 200-7531 (1.75")	130-3084	220-0627	190-3664	190-3615	230-3029	300-3053	180-0053
120-3031	200-7516 (1.38") 200-7531 (1.75")	130-3084	220-0627	190-3664	190-3615	230-3029	300-3053	180-0053
120-6478	200-7516 (1.38") 200-7531 (1.75")	130-3084	220-0627	190-3664	190-3615	230-3029	300-3053	180-0053
120-6479	200-7516 (1.38") 200-7531 (1.75")	130-3084	220-0627	190-3664	190-3615	230-3029	300-3053	180-0053

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •





TC 6R FORGED RADIAL MOUNT CALIPER

Caliper Highlights:

The **TC 6R** Radial Mount Caliper represents a complete new generation of refinement in Big Brake Technology from Wilwood. Six stainless pistons captured within a massive high strength forged aluminum body generate the stopping power and durability to stylishly handle the heavy loads of custom late model trucks and sport utility vehicles.

TC 6R calipers are stress flow forged from premium grade, billet aluminum alloy blanks. FEA structural analysis technology was employed to develop a design that minimizes weight, and maximizes rigidity against deflection. The expanded bridge radius easily accommodates 1.38" thick rotors up to a full 16 inches in diameter. The bodies are joined and reinforced through the bridge with six high strength coated steel alloy bolts. Cross bridge bolts add strength against deflection and body separation at high pressures and heavy loads. Steel insert plates protect the bridges against wear and gouging from the load bearing edges of the brake pads.



 Black Powder  Red Powder

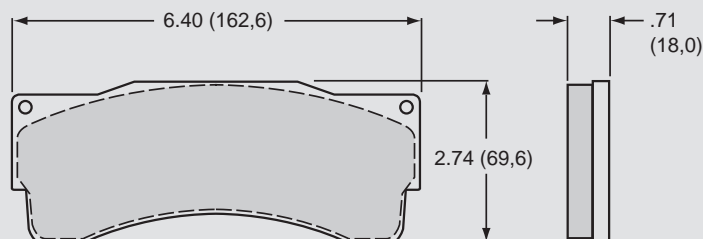
The **TC 6R**, starting at 8.66 pounds, generates unmatched pad clamping efficiency through six thick walled stainless steel pistons. Heavier piston walls add a measure of strength against deflection or distortion in heavy load conditions. Stainless steel is used to resist corrosion and reduce the heat being transferred from the pads into the caliper body, seals, and fluid. The differential piston bore design is taken from Wilwood racing caliper technology. Clamping pressure is proportionately distributed to provide balanced pad loading with even wear properties at all loads and temperatures. The piston bore volumes are configured for matched compatibility with the output capacities of the OE master cylinder and power boost systems.

The total **TC 6R** package is capped off with rubber dampened fluid transfer tubes, recessed two-piece bleed screws, and bridge mounted pad-dampening springs. Pad dampening springs reduce vibration, road rattle, and many of the engagement harmonics that can cause squeal or other harsh brake noise. Choices of either a signature high luster anodized Wilwood black, or a special multi-process gloss red coating, enhance the pure stopping power of the **TC 6R** with high tech style and a total custom look inside the wheels.

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.88 / 1.62 / 1.62"	1.38" 35,1 mm	—	—	120-8909-RS ⁽²⁾	120-8910-RS ⁽²⁾
47,8 / 41,1 / 41,1 mm					
1.75 / 1.38 / 1.38"	1.38" 35,1 mm	120-8907-FS ⁽²⁾	120-8908-FS ⁽²⁾	120-8907-RS ⁽²⁾	120-8908-RS ⁽²⁾
44,5 / 35,1 / 35,1 mm					
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	—	—	120-9138-RS ⁽²⁾	120-9139-RS ⁽²⁾
41,1 / 28,4 / 28,4 mm					

BILLET TC 6R BRAKE PAD TYPE 6318 - PAD VOLUME = 6.3 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15Q-8823K	6318 Q PolyMatrix
150-9118K	6318 10 BP-10 Smart Pad
150-9411K	6318 20 BP-20 Smart Pad

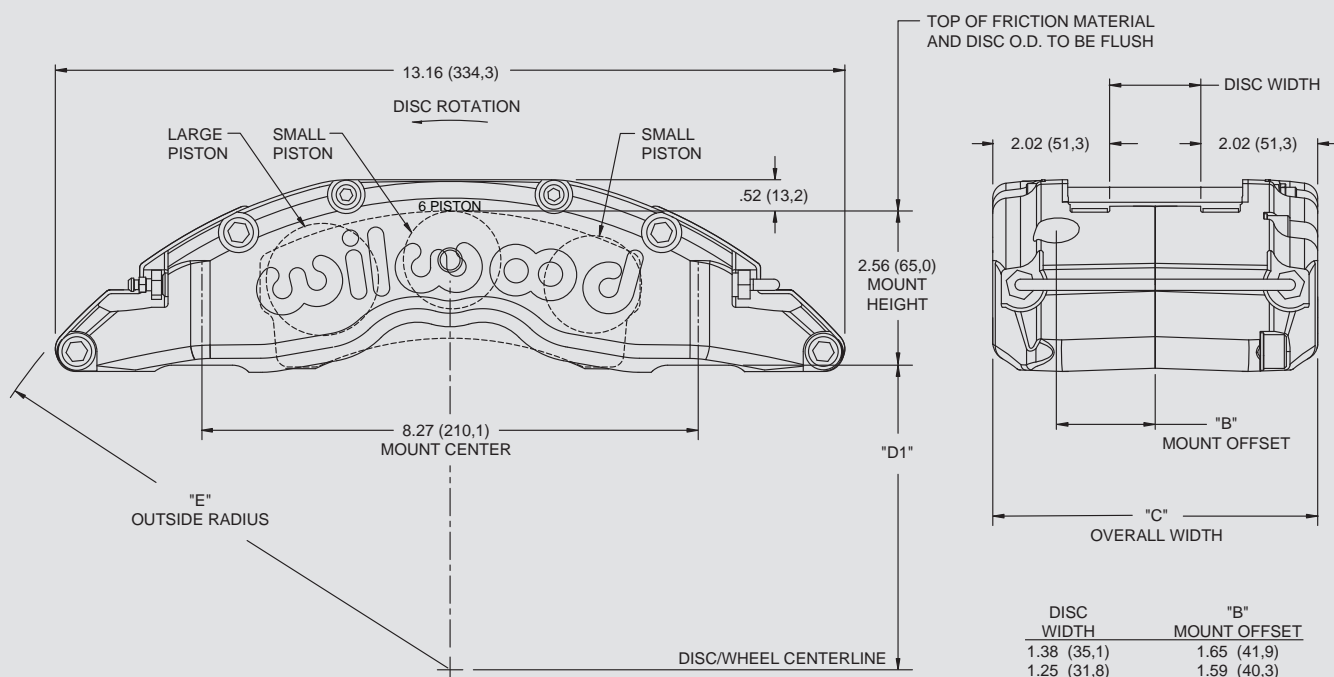
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
(2) AVAILABLE **RED**, ADD "R" TO END OF PART NUMBER WHEN ORDERING

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



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BILLET TC 6R CALIPER, MOUNTING DIMENSIONS:



DIMENSIONS "D1" = (DISC DIAMETER/2) - 2.56 (65,0)

NOTE:
RIGHT HAND REAR MOUNT CALIPER SHOWN
INLET FITTING: 1/8-27 NPT

DISC DIAMETER	"E" OUTSIDE RADIUS	"C" OVERALL WIDTH
16.00 (406,4)	8.81 (223,8)	5.41 (137,4)
14.00 (355,6)	8.14 (206,8)	5.29 (134,4)

RADIAL CALIPER ADAPTER BRACKETS:

Radial mount adapter brackets are used in Wilwood brake kits to provide a secure and precise method of attaching the **TC 6R** caliper to the factory mount bosses on the original spindle. For a list of specific available applications, consult the Wilwood Bolt-On Brake Kit catalog, or visit the kit section of our website @ www.wilwood.com.



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-8907	200-7528 (1.75") 200-7518 (1.38")	130-3084	220-6069	190-9172	230-9171	300-8893 (R/H) 300-8894 (L/H)
120-8908	200-7528 (1.75") 200-7518 (1.38")	130-3084	220-6069	190-9172	230-9171	300-8893 (R/H) 300-8894 (L/H)
120-8909	200-9060 (1.88") 200-7520 (1.62")	130-9173	220-6069	190-9172	230-9171	300-8893 (R/H) 300-8894 (L/H)
120-8910	200-9060 (1.88") 200-7520 (1.62")	130-9173	220-6069	190-9172	230-9171	300-8893 (R/H) 300-8894 (L/H)
120-9138	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-9201	230-9200	300-8893 (R/H) 300-8894 (L/H)
120-9139	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-9201	230-9200	300-8893 (R/H) 300-8894 (L/H)

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



W6AR/ST AND W4AR RADIAL MOUNT CALIPERS

Caliper Highlights:

The **W6AR** forged six piston caliper and **W4AR** four piston caliper deliver heavy duty stopping power for the road or track. Both calipers incorporate race technology into a body design with widespread adaptability. Radial mounting, two options for piston volume, and a rotor diameter ranging from 12.19" to 14.25" give these calipers the versatility necessary to suit all types of heavy weight braking requirements.

The **W6AR / W4AR** body is the product of FEA computer design and stress flow forging technology. FEA technology allows the designer to test the prototype in a computer environment to determine the optimal structural design within the dimensional parameters of the component. Stress flow forging produces a part with the internal grain structure of the metal aligned in the direction of the flow of the body contour. The results are a caliper with superior clamping efficiency and ultimate strength against fatigue, stresses, and distortion under load.



Black Powder
Red Powder

These calipers generate big brake clamping force with six or four differential bore stainless steel pistons. Stainless steel is used for its high resistance to corrosion and low thermal conductivity that reduces the heat transfer from the pads. The differential bore pattern balances pad loading to help maintain even pad wear. High temperature bore seals provide long service life and maintain their resilience to provide positive piston retraction on release. Two options for overall piston volume make it simple to match the calipers with master cylinder output and rear caliper size for correct bias proportioning.

The performance of the **W6AR / W4AR** is enhanced with SRS bridge plates, snap-ring locked pad retainer pins, recessed two-piece bleed screw assemblies and dampen mounted fluid transfer tubes. SRS bridge plates eliminate all bridge wear caused by pad gouging. The spring-loaded action of the plates also eliminates pad rattle. Snap ring clips lock the pad pins in place to provide positive retention and allow easy service without caliper removal. The bleed screws are recess mounted for protection against impact and debris. The fluid tubes are dampen mounted to protect them from fatigue or damage from vibration or debris. Calipers are anodized in high luster black to protect from corrosion and maintain their high-tech appearance. The **W6AR / W4AR** is also available with a gloss red finish or other custom Wilwood color by order.

W6AR DIFFERENTIAL BORE CALIPERS WITH STAINLESS PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.75 / 1.38 / 1.38"	1.25" 31,8 mm	120-9398-RS ⁽²⁾	120-9399-RS ⁽²⁾
44,5 / 35,1 / 35,1 mm			
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	120-9402-RS ⁽²⁾	120-9403-RS ⁽²⁾
41,1 / 28,4 / 28,4 mm			

W6AR/ST DIFFERENTIAL BORE CALIPERS WITH THERMLOCK PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	120-10224-RS	120-10225-RS
41,1 / 28,4 / 28,4 mm			

W4AR DIFFERENTIAL BORE CALIPERS WITH STAINLESS PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.88 / 1.62" 47,8 / 41,1 mm	1.25" 31,8 mm	120-9679-RS ⁽²⁾	120-9680-RS ⁽²⁾
1.62 / 1.38" 41,1 / 35,1 mm	1.25" 31,8 mm	120-9681-RS ⁽²⁾	120-9682-RS ⁽²⁾

W4AR SYMMETRICAL BORE CALIPERS WITH STAINLESS PISTONS ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	PART NUMBER	
		RH	LH
1.25 / 1.25" 31,8 / 31,8 mm	1.10" 27,9 mm	120-10904-R ⁽⁴⁾	120-10904-L ⁽³⁾

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

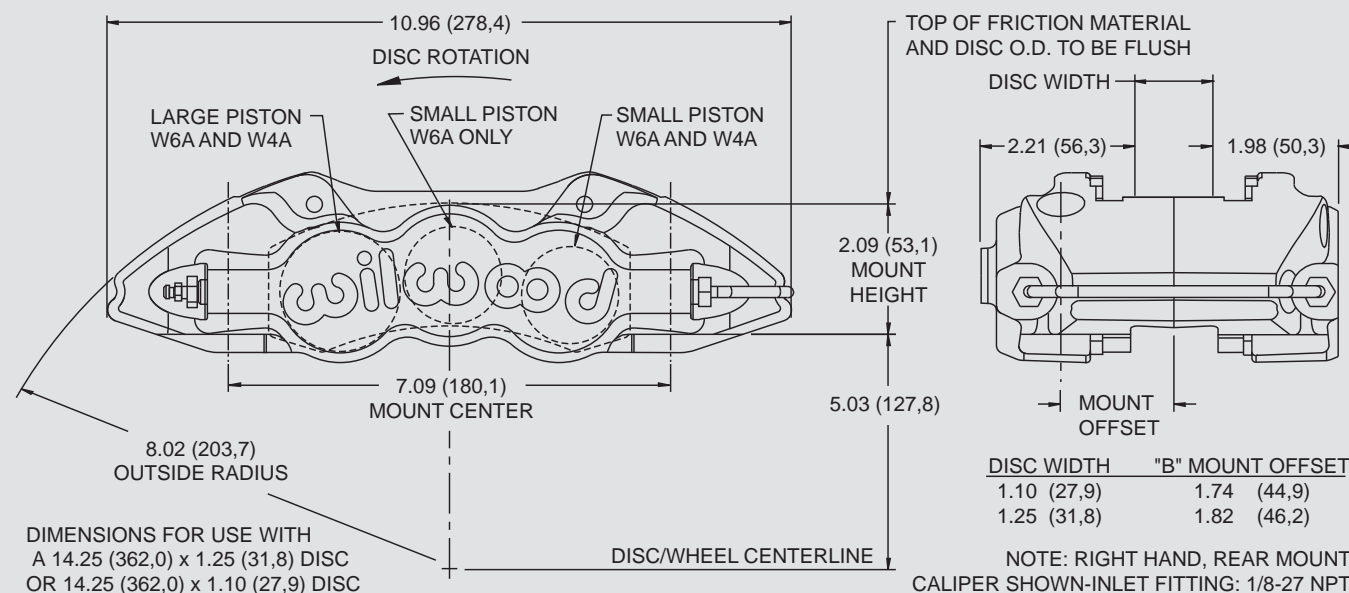
(2) AVAILABLE RED, ADD "R" TO END OF PART NUMBER WHEN ORDERING. FOR OTHER CUSTOM WILWOOD COLORS, CONTACT THE FACTORY..

(3) AVAILABLE RED, ADD "RD" TO END OF PART NUMBER WHEN ORDERING.

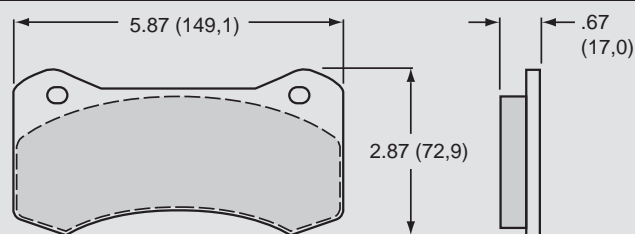
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



W6AR / W4AR CALIPER, MOUNTING DIMENSIONS:



W6AR / W4AR BRAKE PAD TYPE 6617 - PAD VOLUME = 5.2 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 9977K	6617 A PolyMatrix
15B - 9978K	6617 B PolyMatrix
15H - 9979K	6617 H PolyMatrix
150 - 9488K	6617 10 BP-10 Smart Pad
150 - 9489K	6617 20 BP-20 Smart Pad
150 - 9980K	6617 30 BP-30 Smart Pad

W6AR CALIPER SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (2 PK)	PAD RETAINING KIT (2 PK)	BRIDGE WEAR PLATE (EA)
120-9398	200-7531 (1.75") 200-7516 (1.38")	130-3084	220-6069	190-9875	180-9874	300-5876
120-9399	200-7531 (1.75") 200-7516 (1.38")	130-3084	220-6069	190-9875	180-9874	300-5876
120-9402	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-9875	180-9874	300-5876
120-9403	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-9875	180-9874	300-5876
120-10224	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-9875	180-9874	300-5876
120-10225	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-9875	180-9874	300-5876

W4AR CALIPER SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (2 PK)	PAD RETAINER KIT (2 PK)	BRIDGE WEAR PLATE (EA)
120-9679	200-7521 (1.88") 200-7519 (1.62")	130-5100	220-6069	190-9875	180-9874	300-5876
120-9680	200-7521 (1.88") 200-7519 (1.62")	130-5100	220-6069	190-9875	180-9874	300-5876
120-9681	200-7519 (1.62") 200-7516 (1.38")	130-9873	220-6069	190-9875	180-9874	300-5876
120-9682	200-7519 (1.62") 200-7516 (1.38")	130-9873	220-6069	190-9875	180-9874	300-5876
120-10904-R/L	200-7514 (1.25") 200-7514 (1.25")	130-2479	220-6069	190-11508	180-9874	300-5876



BILLET SUPERLITE SL6R RADIAL MOUNT CALIPERS

Caliper Highlights:

The billet **SL6R** series adds the versatility and convenience of radial mounting to this widely popular caliper group. Radial mounting simplifies adaptation and provides two planes of adjustment for accurate alignment over the disc. These calipers integrate "Big Brake" style with Wilwood's latest technology to generate big stopping power in extreme environments over a broad range of vehicle applications.

The key to the superior performance of the **SL6R** comes from the extremely durable and efficient body design. Starting at 4.84 pounds it is the product of computer generated solid modeling and FEA stress analysis technology. Full length stiffening ribs and a reinforced radial transition from the piston bore housings to the closed end bridges has produced the strongest SL caliper bodies ever built. When compared to open bridge calipers that use tube or stand spacers between the body halves, the closed end bridge design is measurably stronger with less separation or deflection under load. Additional strength and resistance to deflection comes from the four high-strength steel end bridge bolts. A fifth center bridge bolt provides even more overall strength and easy access to the pads without the need to remove the caliper from the mount.

A unique six-piston differential bore configuration provides balanced loading for even pad wear in sustained high heat environments. The standard **SL6R** calipers feature one-piece stainless steel pistons. Stainless is used for its slow heat transfer properties and high resistance to corrosion. The **SL6R/ST** models feature Wilwood's exclusive Thermlock pistons. This multi-part piston design creates a highly efficient thermal barrier to further reduce heat transfer from the pads to caliper body, seals, and fluid. Cooler temperatures translate to longer service life and less chance for heat induced pedal fade.

In addition, each **SL6R** is equipped with SRS bridge plates. SRS plates eliminate all bridge wear caused by pad gouging and extend the service life of the caliper. The spring-loaded action of the SRS plates also eliminates pad rattle and dampens the harmonic vibrations that contribute to pad squeal. Two piece bleed screws and dampened fluid tubes are recess mounted to shield them from track debris and other potential damage sources. High temperature, square faced bore seals provide the largest possible sealing area and controlled piston retraction on release. The full range of Wilwood pad compounds is available to match the brake response and heat range of any competition or sports driving application.

BILLET SL6R AND SL6R/ST:



■ Black Anodized ■ Red Powder

Calipers in this group feature a full width reinforced rib outboard body for maximum strength when caliper to hub or caliper to wheel clearance is not an issue. These calipers are primarily used for asphalt stock cars, road racing, and other competition applications with small 5 on 5 or other OE type lug patterns. The caliper bridge radius will clear rotors from 11.75" to 13.00" in overall diameter. Each caliper in this group uses 7420 type 20mm thick pads. Specific mounting and body width dimensions can be found in the chart on page 16.

SL6R WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	1.25" 31,8 mm	120-6115-RS ⁽²⁾	120-6116-RS ⁽²⁾
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	.81" 20,6 mm	120-6111-RS ⁽³⁾	120-6112-RS ⁽³⁾

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

(2) AVAILABLE IN RED, ADD "R" TO END OF PART NUMBER WHEN ORDERING

(3) THESE CALIPERS MAY ALSO BE USED WITH 1.10" THICK ROTORS AND 7416 TYPE 16MM THICK PADS
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT, SI = SIDE INLET

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



SL6R/ST WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

<u>BORE SIZE</u>	<u>DISC WIDTH</u>	<u>REAR MOUNT PART NUMBER</u>	
		<u>RH</u>	<u>LH</u>
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	1.25" 31,8 mm	120-6143-RS	120-6144-RS
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	1.25" 31,8 mm	—	120-6201-SI

BILLET SL6R AND SL6R/ST WITH NARROWED OUTBOARD BODY:

Calipers in this group feature a reduced width outboard body to provide additional clearance between the caliper face and the wheel or hub. These calipers were originally built for use with wide 5 hubs, but have found their way to OE performance "Big Brake" conversions, road racing, and other close fit wheel applications. The caliper bridge radius will clear rotors from 11.75" to 13.00" in overall diameter. Each caliper in this group uses 7420 type 20mm thick pads. Specific mounting and body width dimensions can be found in the chart on page 16.



Black Anodized

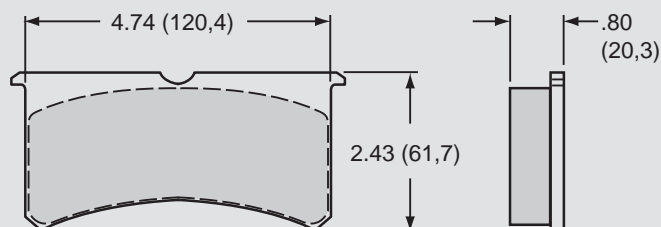
NARROW SL6R WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

<u>BORE SIZE</u>	<u>DISC WIDTH</u>	<u>REAR MOUNT PART NUMBER</u>	
		<u>RH</u>	<u>LH</u>
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	1.25" 31,8 mm	120-7761-RS	120-7762-RS

NARROW SL6R WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

<u>BORE SIZE</u>	<u>DISC WIDTH</u>	<u>REAR MOUNT PART NUMBER</u>	
		<u>RH</u>	<u>LH</u>
1.62 / 1.12 / 1.12" 41,1 / 28,4 / 28,4 mm	1.25" 31,8 mm	120-6385-RS	120-6386-RS

SL6R BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

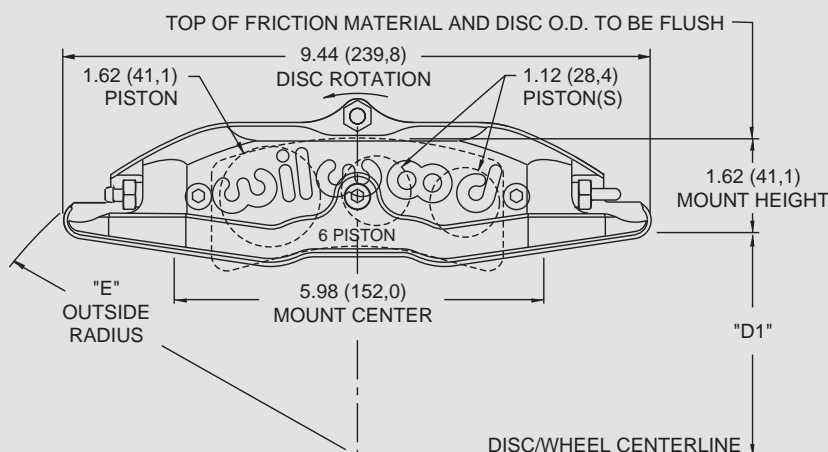
(2) THESE CALIPERS MAY ALSO BE USED WITH 1.10" THICK ROTORS AND 7416 TYPE 16MM THICK PADS
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT, SI = SIDE INLET

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET SUPERLITE SL6R RADIAL MOUNT CALIPERS

SL6R CALIPER, MOUNTING DIMENSIONS:

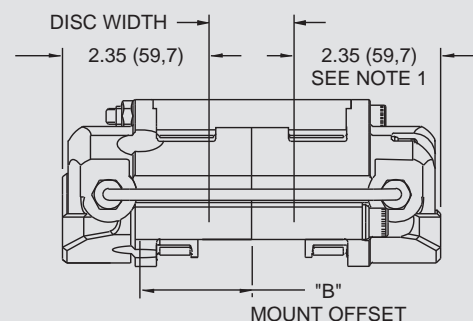


DIMENSION "D1" = (DISC DIAMETER/2) - 1.62 (41,1)

NOTE 1: WIDTH DIMENSION ON NARROW OUTBOARD BODY CALIPER IS 2.13 (54,1)

NOTE 2: RIGHT HAND REAR MOUNT CALIPER SHOWN.

INLET FITTING: 1/8-27 NPT
RADIAL MOUNT BRACKETS ARE AVAILABLE



DISC WIDTH	"B" MOUNT OFFSET
1.38 (35,1)	1.80 (45,7)
1.25 (31,8)	1.80 (45,7)
1.10 (27,9)	1.70 (43,2)
1.00 (25,4)	1.70 (43,2)
.81 (20,6)	1.58 (40,1)

DISC DIAMETER	"E" OUTSIDE RADIUS
11.75 (298,5)	6.65 (168,9)
12.19 (309,6)	6.81 (173,0)
12.72 (323,1)	7.00 (177,8)
12.88 (327,2)	7.07 (179,6)
13.00 (330,2)	7.13 (181,1)

THERMLOCK T2 SHORT TRACK PISTON:

Wilwood's unique **Thermlock® T2** Short Track Piston is standard in our **ST6R/ST** calipers, for complete details and a cross-section line drawing, please refer to page 109.

1.62" (41,9 mm) Diameter - Order P/N: 200-7553

1.12" (28,4 mm) Diameter - Order P/N: 200-7556

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-6111	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5973	—	230-5976	300-5922 (R/H) 300-5923 (L/H)
120-6112	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5973	—	230-5976	300-5922 (R/H) 300-5923 (L/H)
120-6113	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5974	—	230-5977	300-5922 (R/H) 300-5923 (L/H)
120-6114	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5974	—	230-5977	300-5922 (R/H) 300-5923 (L/H)
120-6115	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6116	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6141	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5974	—	230-5977	300-5922 (R/H) 300-5923 (L/H)
120-6142	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5974	—	230-5977	300-5922 (R/H) 300-5923 (L/H)
120-6143	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6144	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6201-SI	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6385	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6386	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7761	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7762	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

BILLET SUPERLITE 4R/ST RADIAL MOUNT CALIPER

Caliper Highlights:

The **Billet Superlite 4R/ST** is an extremely rigid, four piston, radial mount design that incorporates Wilwood's latest technology in brake system heat management. With its small piston volumes and large pad capacity, it is ideally suited for rear brake applications in severe duty oval track and road course competition.

The **BSL4R/ST** body is a product of FEA design and stress analysis technology. It is configured for use with 1.25" thick rotors and the substantial pad volume of the 7420 style brake pad. Starting at 5.32 pounds it is the perfect balance between high strength, low deflection, and overall lightweight. Each caliper is fitted with stainless steel pad load plates to reduce wear and provide the smoothest pad operation. A center bridge bolt adds to overall caliper strength and gives easy access to the top loaded pads.



Black Anodized

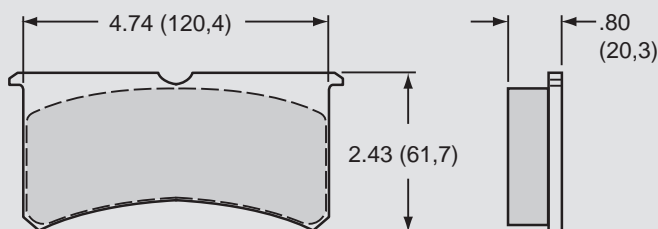
Thermlock® T1 pistons are used to minimize the direct heat transfer from the brake pads. This configuration has been documented to reduce caliper temperatures by more than 30% without the need for fluid recirculation systems. Use EXP 600 Plus racing brake fluid to guarantee trouble free performance in all extreme conditions.

BSLR bracket kits are used to install the **BSLR4/ST** calipers in place of most 3.50" lug mount calipers. Radial mounting simplifies service in the field and the bracket kits provide two planes of adjustment for precise alignment over the disc.

CALIPER ORDERING INFORMATION:⁽¹⁾

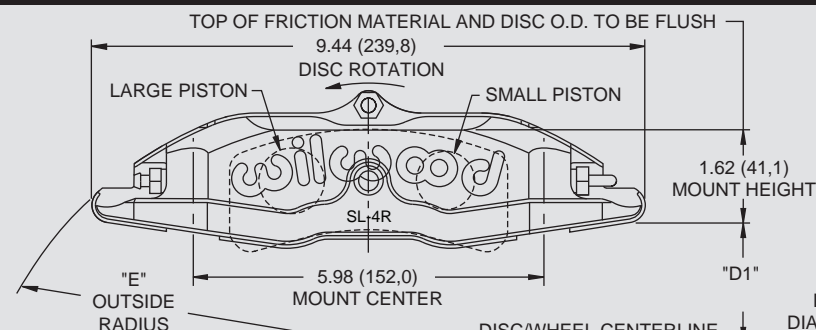
BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.25/1.12" (31,8/28,4)	1.25" 31,8 mm	120-6543-RS	120-6544-RS

SL4R/ST BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

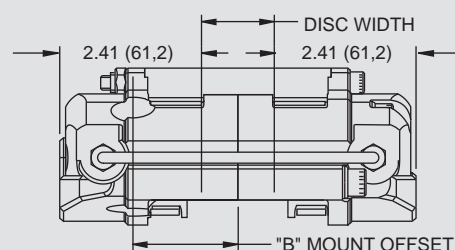
BILLET SUPERLITE 4R/ST RADIAL MOUNT CALIPER, MOUNTING DIMENSIONS:



DIMENSION "D1" = (DISC DIAMETER/2) - 1.62 (41,1)

NOTE: RIGHT HAND REAR MOUNT CALIPER SHOWN. LEFT HAND CALIPER HAS BLEED SCREW AND CROSSOVER TUBE REVERSED.

INLET FITTING: 1/8-27 NPT



DISC DIAMETER	"E" OUTSIDE RADIUS	DISC WIDTH	"B" MOUNT OFFSET
11.75 (298,5)	6.65 (168,9)	1.25 (31,8)	1.80 (45,7)
12.19 (309,6)	6.81 (173,0)		
12.72 (323,1)	7.00 (177,8)		
12.88 (327,2)	7.07 (179,6)		
13.00 (330,2)	7.13 (181,1)		

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-6543	200-7555 (1.25") 200-7556 (1.12")	130-7221	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6544	200-7555 (1.25") 200-7556 (1.12")	130-7221	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



www.wilwood.com

• CALIPERS •



BILLET SL6R/4R RADIAL MOUNT CALIPERS FOR 14" DISCS

Caliper Highlights:

These specially configured **Superlite SL6R/4R** narrow body caliper features an increased bridge radius to allow proper pad alignment and bridge clearance for use with 13.00" to 14.00" diameter rotors. A special body design is used with 16mm pads to provide the narrowest possible profile for tight clearance applications. Radial mounting simplifies adaptation and provides two planes of adjustment for accurate alignment over the disc.

A key to the superior performance of the **SL6R/4R** comes from the extremely durable, efficient and lightweight body design. Starting at 4.50 pounds it is the product of computer generated solid modeling and FEA stress analysis technology. A reinforced radial transition from the piston bore housings to the closed end bridges has produced the strongest SL caliper bodies ever built. Additional strength and resistance to deflection comes from the four high-strength steel end bridge bolts. A fifth center bridge bolt provides even more overall strength and easy access to the pads without the need to remove the caliper from the mount.



SL6R Caliper Shown

 Black Powder  Red Powder

SL6R calipers are assembled with one-piece stainless steel pistons and high temperature, square faced bore seals. Stainless pistons are used for their slow heat transfer properties and high resistance to corrosion. Slow heat transfer reduces the potential for heat related pedal fade and increases the service life of the fluid and seals. The high temperature square faced bore seals have the largest possible sealing area and provide controlled piston retraction on release. The differential bore six-piston configuration distributes the clamping load over the length of the pad to promote even pad wear in the highest temperature environments. This is especially beneficial to vehicles that often realize high temperatures during hard braking.

SL4R calipers come with machined aluminum pistons and rubber dust boots. Aluminum is lightweight with high resistance to corrosion and fast heat dissipation. The dust boots seal out debris to keep the pistons and caliper bores running smooth. High temperature square faced bore seals have the largest possible sealing area and provide controlled piston retraction. Three piston bore options are available to match the fluid and brake clamping bias requirements of any custom vehicle application.

In addition, each **SL6R/4R** is equipped with SRS bridge plates. SRS plates eliminate bridge wear caused by pad gouging. The spring-loaded action of the SRS plates also eliminates pad rattle and dampens pad squeal. Two piece bleed screws and dampened fluid tubes are recess mounted to shield them from track debris and other potential damage sources. A full range of brake pad compounds is available to match the brake response and heat range of any competition or sports driving application.

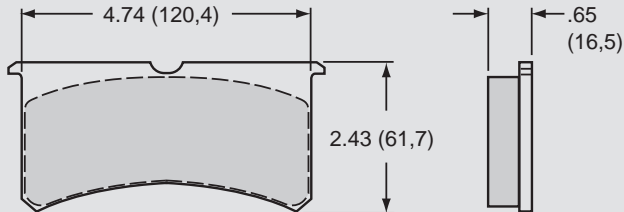
SL6R CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	120-8000-FS ⁽²⁾	120-8001-FS ⁽²⁾	120-8000-RS ⁽²⁾	120-8001-RS ⁽²⁾
41,1 / 28,4 / 28,4 mm					
1.62 / 1.12 / 1.12"	1.10" 27,9 mm	120-8079-FS ⁽²⁾	120-8080-FS ⁽²⁾	120-8079-RS ⁽²⁾	120-8080-RS ⁽²⁾
41,1 / 28,4 / 28,4 mm					

SL4R CALIPER ORDERING INFORMATION:⁽¹⁾

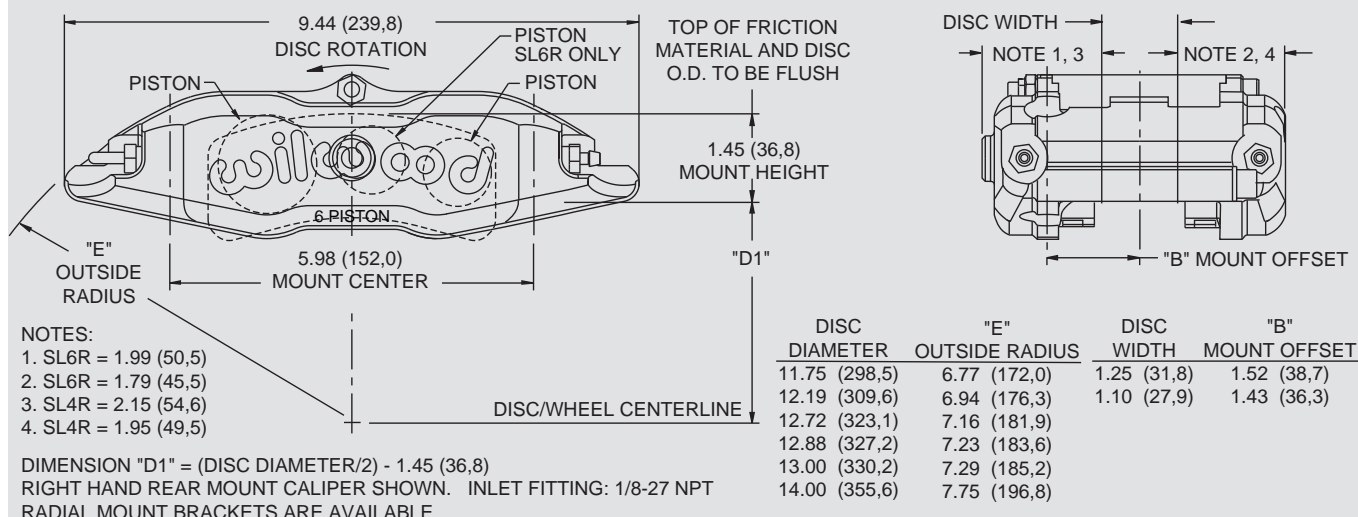
BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.25"	31,8 mm	120-8071-R/L	—
1.75"	44,5 mm	1.10"	27,9 mm	120-8070-R/L	—
1.38"	35,0 mm	1.25"	31,8 mm	120-8065-R/L	—
1.38"	35,0 mm	1.10"	27,9 mm	120-8064-R/L	—
1.25"	31,8 mm	1.10"	27,9 mm	120-8062-R/L	120-8062-RRD/LRD

SL6R / SL4R BRAKE PAD TYPE 7416 - PAD VOLUME = 3.8 CU. IN.:

	AXLE SET P/N	PAD TYPE / COMPOUND
	15A - 6704K	7416 A PolyMatrix
	15B - 6705K	7416 B PolyMatrix
	15E - 6707K	7416 E PolyMatrix
	15H - 8546K	7416 H PolyMatrix
	15Q - 6828K	7416 Q PolyMatrix
	150 - 8855K	7416 10 BP-10 Smart Pad
	150 - 9415K	7416 20 BP-20 Smart Pad

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
(2) AVAILABLE RED, ADD "R" TO END OF PART NUMBER WHEN ORDERING

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

**BILLET NARROW SUPERLITE 6R / SUPERLITE 4R CALIPER, MOUNTING DIMENSIONS:****RADIAL CALIPER ADAPTER BRACKETS:**

Radial mount adapter brackets are used in Wilwood brake kits to provide a secure and precise method of attaching the **SL6R / SL4R** caliper to the factory mount bosses on the original spindle. For a list of specific available applications, consult the Wilwood Bolt-On Brake Kit catalog, or visit the kit section of our website @ www.wilwood.com.

**SL6R CALIPER SERVICE PARTS ORDERING INFORMATION:**

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-8000	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-8369	230-7049	300-6595 (R/H) 300-6596 (L/H)
120-8001	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-8369	230-7049	300-6595 (R/H) 300-6596 (L/H)
120-8079	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-8080	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	230-7710	300-6595 (R/H) 300-6596 (L/H)

SL4R CALIPER SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	DUST BOOT (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-8062	200-7318 (1.25")	130-2479	220-6069	190-7711	210-7210	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-8064	200-7319 (1.38")	130-2658	220-6069	190-7711	210-7210	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-8065	200-7319 (1.38")	130-2658	220-6069	190-8369	210-7210	230-7049	300-6595 (R/H) 300-6596 (L/H)
120-8070	200-7322 (1.75")	130-2655	220-6069	190-7711	210-7210	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-8071	200-7322 (1.75")	130-2655	220-6069	190-8369	210-7210	230-7049	300-6595 (R/H) 300-6596 (L/H)



BILLET SUPERLITE SL6 LUG MOUNT CALIPERS

Caliper Highlights:

The billet **SL6** series integrates "Big Brake" style and Wilwood's latest technology into the traditional 3.50" centered lug mount Superlite caliper category. Each caliper is precision CNC machined from high strength billet into three specialized configurations that cover a broad range of competition and sports driving applications.

The key to the superior performance of the **SL6** comes from the extremely durable, efficient and lightweight body design. Starting at 5.06, pounds it is the product of computer generated solid modeling and FEA stress analysis technology. Full length stiffening ribs and a reinforced radial transition from the piston bore housings to the closed end bridges have produced the strongest Superlite caliper bodies ever built. When compared to open bridge calipers that use tube or stand spacers between the body halves, the closed end bridge design is measurably stronger with less separation or deflection under load. Additional strength and resistance to deflection comes from the four high-strength steel end bridge bolts. A fifth center bridge bolt provides even more overall strength and easy access to the pads without the need to remove the caliper from the mount.

A unique six-piston differential bore configuration provides balanced loading for even pad wear in sustained high heat environments. The standard **SL6** calipers feature one-piece stainless steel pistons. Stainless is used for its slow heat transfer properties and high resistance to corrosion. The **SL6/ST** models feature Wilwood's exclusive **Thermlock®** pistons. This multi-part piston design creates a highly efficient thermal barrier to further reduce heat transfer from the pads to the caliper body, seals, and fluid. Cooler temperatures translate to longer service life and less chance for heat induced pedal fade.

In addition, each **SL6** is equipped with SRS bridge plates. SRS plates eliminate all bridge wear caused by pad gouging and extend the service life of the caliper. The spring-loaded action of the SRS plates also eliminates pad rattle and dampens the harmonic vibrations that contribute to pad squeal. Two piece bleed screws and dampened fluid tubes are recess mounted to shield them from track debris and other potential damage sources. High temperature, square faced bore seals provide the largest possible sealing area and controlled piston retraction on release. The full range of Wilwood pad compounds is available to match the brake response and heat range of any competition or sports driving application.

BILLET SL6 AND SL6/ST:



Black Anodized

Calipers in this group feature a full width reinforced rib outboard body for maximum strength when caliper to hub or caliper to wheel clearance is not an issue. These calipers are primarily used for asphalt stock cars, road racing, and other competition applications with small 5 on 5 or other OE type lug patterns. The caliper bridge radius will clear rotors from 11.75" to 13.00" in overall diameter. Each caliper in this group uses 7420 type 20mm thick pads. Specific mounting and body width dimensions can be found in the diagram on page 22.

SL6 WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	120-5960-FS	120-5961-FS	120-5960-RS	120-5961-RS
41,1 / 28,4 / 28,4 mm					
1.62 / 1.12 / 1.12"	0.81" 20,6 mm	—	—	120-5956-RS	120-5957-RS
41,1 / 28,4 / 28,4 mm					

SL6 WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.75 / 1.38 / 1.38"	1.25 - 1.38"	120-6094-RS	120-6095-RS
44,5 / 35,1 / 35,1 mm	31,8 - 35,1 mm		

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT, SI = SIDE INLET

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

**BILLET SL6 AND SL6/ST WITH NARROWED OUTBOARD BODY:**

Calipers in this group feature a reduced width outboard body to provide additional clearance between the caliper face and the wheel or hub. These calipers were originally built for use with wide 5 hubs, but have found their way to other close fit wheel and hub applications. The caliper bridge radius will clear rotors from 11.75" to 13.00" in overall diameter. Each caliper in this group uses 7420 type 20mm thick pads. Specific mounting and body width dimensions can be found in the diagram on page 22, with dimensional variations outlined in note 1.



Black Anodized

NARROWED SL6 WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.62 / 1.12 / 1.12"	1.25" 31,8 mm	120-6584-FS	120-6585-FS	120-6584-RS	120-6585-RS
41,1 / 28,4 / 28,4 mm					

SL6 WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.75 / 1.38 / 1.38"	1.25 - 1.38"	120-6387-RS	120-6388-RS
44,5 / 35,1 / 35,1 mm	31,8 - 35,1 mm		

NARROWED BODY SL6 FOR 16MM PADS:

Calipers in this group have the narrowest profile in the entire **SL6** category. They are designed for use with 16mm thick 7416 type pads over 1.10" width rotors between 11.75" and 13.00" in diameter. These calipers are primarily used in OE performance "Big Brake" conversion kits and other custom applications with extreme space limitations. Fully polished calipers are also available for custom show car applications. Specific mounting and body width dimensions can be found in the diagram on page 22, with dimensional variations outlined in note 2.

Black Powder Red Powder Polished

NARROWED BODY SL6 FOR 16MM PADS - BLACK CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.62 / 1.12 / 1.12"	1.10" 27,9 mm	120-7228-FS ⁽²⁾	120-7229-FS ⁽²⁾	120-7228-RS ⁽²⁾	120-7229-RS ⁽²⁾
41,1 / 28,4 / 28,4 mm					

NARROWED BODY SL6 FOR 16MM PADS - POLISHED CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.62 / 1.12 / 1.12"	1.10" 27,9 mm	120-7259-RSP	120-7260-RSP
41,1 / 28,4 / 28,4 mm			

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

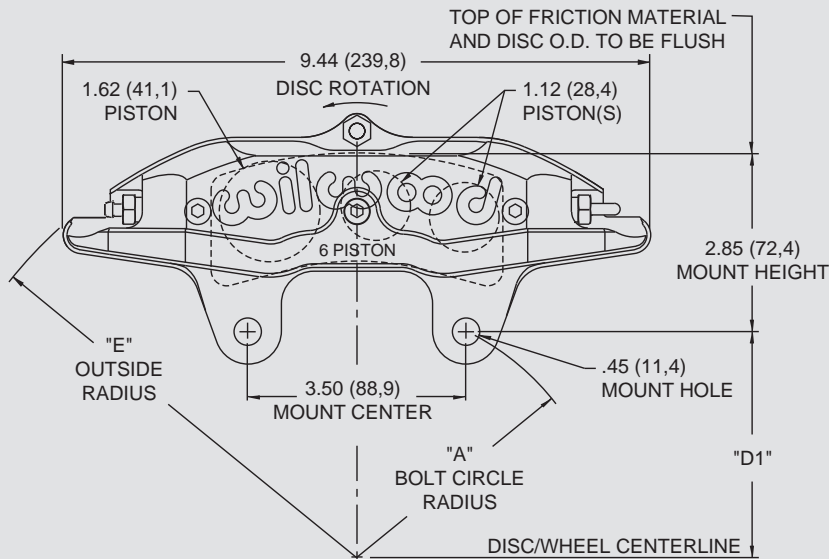
(2) AVAILABLE RED, ADD "R" TO END OF PART NUMBER WHEN ORDERING
FS = FRONT SIDE MOUNT, RS = REAR SIDE MOUNT, SI = SIDE INLET

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET SUPERLITE SL6 LUG MOUNT CALIPERS

SUPERLITE 6 LUG MOUNT CALIPER, MOUNTING DIMENSIONS:



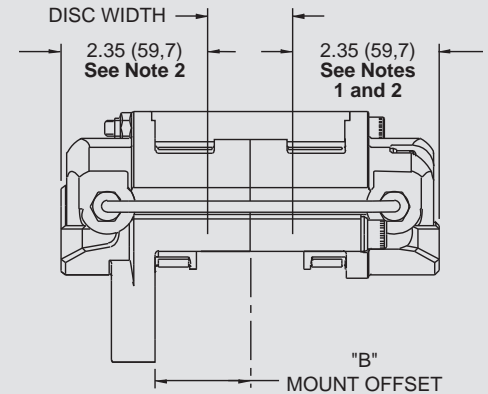
DIMENSION "D1" = (DISC DIAMETER/2) - 2.85 (72,4)

NOTE 1: WIDTH DIMENSION ON NARROW OUTBOARD BODY CALIPER IS 2.13 (54,1)

NOTE 2: WIDTH DIMENSION FOR NARROW BODY CALIPER FOR 16mm PADS IS 1.91 (48,5)

NOTE 3: MOUNT OFFSET DIMENSION FOR NARROW BODY FOR 16mm PADS IS 1.23 (31,2)

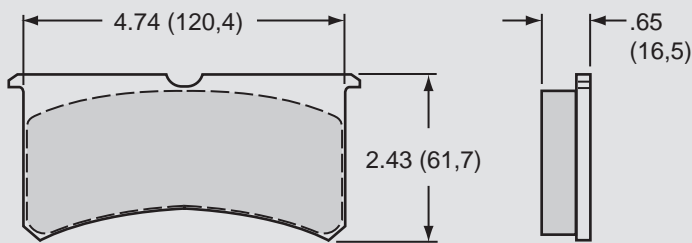
RIGHT HAND, REAR MOUNT CALIPER SHOWN.
INLET FITTING: 1/8-27 NPT.



DISC WIDTH	"B" MOUNT OFFSET
1.38 (35,1)	1.54 (39,1)
1.25 (31,8)	1.54 (39,1)
1.10 (27,9)	1.44 (36,6) Note 3
1.00 (25,4)	1.44 (36,6)
.81 (20,6)	1.32 (33,5)

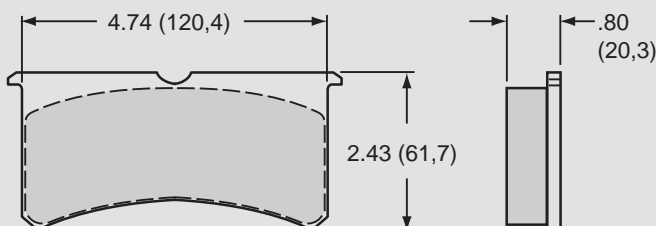
DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
11.75 (298,5)	3.49 (88,6)	6.65 (168,9)
12.19 (309,6)	3.69 (93,7)	6.81 (173,0)
12.72 (323,1)	3.92 (99,6)	7.00 (177,8)
12.88 (327,2)	3.99 (101,3)	7.08 (179,8)
13.00 (330,2)	4.05 (102,9)	7.13 (181,1)

SL6 BRAKE PAD TYPE 7416 - PAD VOLUME = 3.8 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6704K	7416 A PolyMatrix
15B - 6705K	7416 B PolyMatrix
15E - 6707K	7416 E PolyMatrix
15H - 8546K	7416 H PolyMatrix
15Q - 6828K	7416 Q PolyMatrix
150 - 8855K	7416 10 BP-10 Smart Pad
150 - 9415K	7416 20 BP-20 Smart Pad

SL6 BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



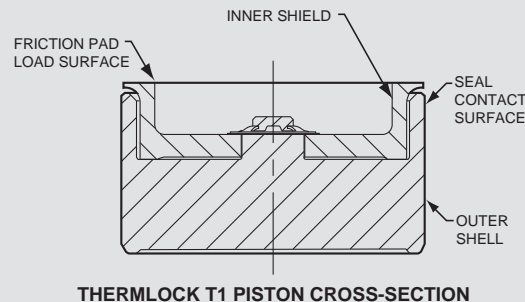
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

THERMLOCK T1 SHORT TRACK PISTON:

Wilwood's **Thermlock® T1** pistons incorporate a stainless steel shield and coated aluminum shell configuration to provide a highly efficient thermal barrier between the brake pads and the caliper body, seals, and fluid. Lower operating temperatures eliminate seal crystallization and localized fluid boiling while providing longer caliper service life through decreased distortion in the caliper body and piston bores. **Thermlock® T1** pistons are standard equipment in all "ST" designated calipers. They can also be ordered separately to update any existing stainless steel piston equipped caliper built for 7420 type 20mm pads. **Thermlock® T1** pistons are not compatible with the special narrow body calipers built for use with the 7416 type 16mm pads.

1.62" (41,1 mm) Diameter - Order P/N: 200-7553

1.12" (28,4 mm) Diameter - Order P/N: 200-7556



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-5956	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5973	—	230-5976	300-5922 (R/H) 300-5923 (L/H)
120-5957	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5973	—	230-5976	300-5922 (R/H) 300-5923 (L/H)
120-5960	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-5961	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6094	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6095	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6387	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6388	200-7553 (1.62") 200-7556 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6584	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-6585	200-7519 (1.62") 200-7513 (1.12")	130-5972	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7228	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	—	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-7229	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	—	230-7710	300-6595 (R/H) 300-6596 (L/H)
120-7259	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	—	230-7709	300-6595 (R/H) 300-6596 (L/H)
120-7260	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-6069	190-7711	—	230-7709	300-6595 (R/H) 300-6596 (L/H)



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• CALIPERS •



BILLET SUPERLITE 4R AND 4R/ST RADIAL MOUNT CALIPERS

Caliper Highlights:

The billet **Superlite 4R** and **Superlite 4R/ST** radial mount calipers incorporate an extremely rigid, four piston design that incorporates Wilwood's latest technology in brake systems, with weights starting at 4.94 pounds. It is a direct replacement for all other Superlite style calipers.

The **SL4R** series bodies are the products of FEA solid modeling and stress analysis technology. A reinforced radial transition between the piston housing body and the solid bridge is combined with a full body length reinforcement rib to give this caliper the highest resistance to deflection and separation under load of any Superlite style caliper available. Four high strength steel bridge bolts and a fifth center bridge bolt further add to the superior clamping efficiency while providing easy access to the 7420 style pads.



Black Anodized

Most **SL4R** calipers use a big differential bore four-piston design. The 1.88" / 1.62" piston sizes provide the largest effective piston clamping area of any model in the Superlite series. The differential bore pattern uses the pressure variance between the bore sizes to compensate for the natural temperature changes cross the face of the pad and the natural tendencies for the pad to "self load" on the leading edge. The split balance of the pad loading promotes even pad wear in the higher temperature applications. Standard **SL4R** models use one piece stainless steel pistons for their low heat transfer properties and their high resistance to corrosion. For the ultimate protection in extreme sustained high heat competition, **SL4R/ST** models are equipped with Wilwood's exclusive **Thermlock®** pistons. This multi-part piston assembly provides a highly effective thermal barrier that reduces heat transfer from the pads to the fluid, seals, and caliper body by as much as 30%. Seal life and fluid performance is increased proportionately. High temperature square faced seals provide the largest possible sealing surface area with controlled piston retraction on release. Also offered is a standard bore configuration with 1.62" pistons.

Each caliper is equipped with replaceable SRS stainless steel bridge wear plates. SRS plates eliminate the bridge wear caused by pad gouging to extend the service life of the caliper. The spring-loaded action of the SRS plates eliminates pad rattle and dampens the vibration harmonics that contribute to pad squeal. The bodies are machined with recesses to protect the fluid crossover tubes and bleed screws. The fluid tubes are dampen mounted and two piece bleed screw assemblies assure reliability in harsh conditions and round out the total performance package. The full range of Wilwood brake pad compounds is available in the 7420 type pads to match the brake response and heat range of any competition application.

SUPERLITE 4R/ST WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.88 / 1.62"	1.25" 31,8 mm	120-10693-RS	120-10694-RS
47,8 / 41,1 mm			

SUPERLITE 4R WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	REAR MOUNT PART NUMBER	
		RH	LH
1.88 / 1.62"	1.25" 31,8 mm	120-10695-RS	120-10696-RS
47,8 / 41,1 mm			

SUPERLITE 4R NON-DIFFERENTIAL BORE CONFIGURATION CALIPER ORDERING INFORMATION:⁽¹⁾

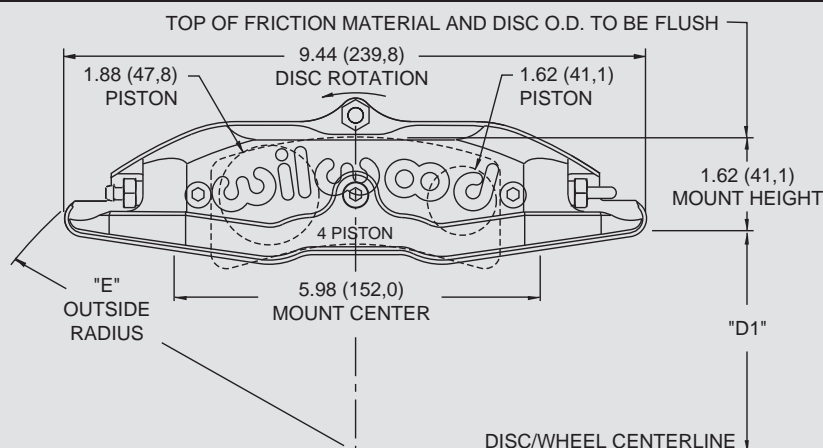
BORE SIZE	DISC WIDTH	PART NUMBER
1.62" 41,1 mm	1.25" 31,8 mm	120-10697-R/L

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

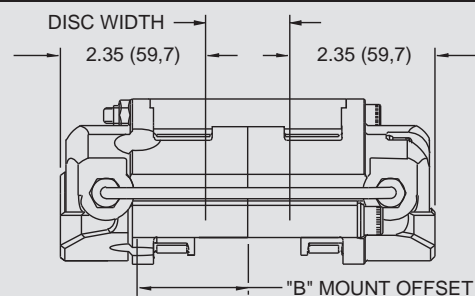
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



BILLET SUPERLITE 4R CALIPER, MOUNTING DIMENSIONS:

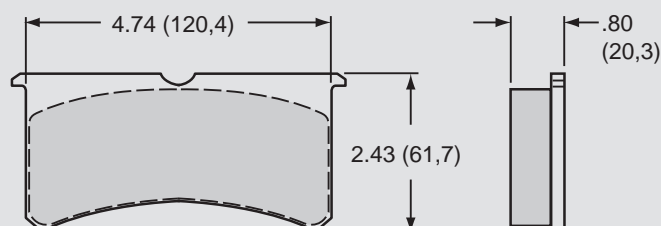


DIMENSION "D1" = (DISC DIAMETER/2) - 1.62 (41,1)
 NOTE: RIGHT HAND REAR MOUNT CALIPER SHOWN.
 INLET FITTING: 1/8-27 NPT
 RADIAL MOUNT BRACKETS ARE AVAILABLE



DISC WIDTH	"B" MOUNT OFFSET
1.25 (31,8)	1.80 (45,7)
DISC DIAMETER	"E" OUTSIDE RADIUS
11.75 (298,5)	6.65 (168,9)
12.19 (309,6)	6.81 (173,0)
12.72 (323,1)	7.00 (177,8)
12.88 (327,2)	7.07 (179,6)
13.00 (330,2)	7.13 (181,1)

SUPERLITE 4R BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

RADIAL CALIPER ADAPTER BRACKETS:

Radial mount adapter brackets are used in Wilwood brake kits to provide a secure and precise method of attaching the **SL4R** caliper to the factory mount bosses on the original spindle. For a list of specific available applications, consult the Wilwood Bolt-On Brake Kit catalog, or visit the kit section of our website @ www.wilwood.com.



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-10693	200-7550 (1.88") 200-7553 (1.62")	130-5100	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-10694	200-7550 (1.88") 200-7553 (1.62")	130-5100	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-10695	200-7521 (1.88") 200-7519 (1.62")	130-5100	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-10696	200-7521 (1.88") 200-7519 (1.62")	130-5100	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-10697	200-7519 (1.62")	130-4346	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET SUPERLITE 4 AND 4/ST LUG MOUNT CALIPERS

Caliper Highlights:

The billet **SL4** and **SL4/ST** calipers incorporate Wilwood's latest technology in a conventional 3.50" centered lug mount design, with weights starting at 4.94 pounds. This caliper series has been structurally designed for high clamping efficiency and low deflection in a body width compatible with all wide 5 and 5 x 5 style hubs. It is a direct replacement for all other Superlite style calipers.



 Black Anodized

The **SL4** series bodies are the products of FEA solid modeling and stress analysis technology. A reinforced radial transition between the piston housing body and the solid bridge is combined with a full body length reinforcement rib to give this caliper the highest resistance to deflection and separation under load of any Superlite style caliper available. Four high strength steel bridge bolts and a fifth center bridge bolt further add to the superior clamping efficiency while providing easy access to the 7420 style pads.

All **SL4** series calipers use a big differential bore four-piston design. The 1.88" / 1.75" piston sizes provide the largest effective piston clamping area of any model in the Superlite series. The differential bore pattern uses the pressure variance between the bore sizes to compensate for the natural temperature changes cross the face of the pad and the natural tendencies for the pad to "self load" on the leading edge. The split balance of the pad loading promotes even pad wear in the higher temperature applications. Standard **SL4** models use one piece stainless steel pistons for their low heat transfer properties and their high resistance to corrosion. For the ultimate protection in extreme sustained high heat competition, **SL4/ST** models are equipped with Wilwood's exclusive **Thermlock®** pistons. This multi-part piston assembly provides a highly effective thermal barrier that reduces heat transfer from the pads to the fluid, seals, and caliper body by as much as 30%. Seal life and fluid performance is increased proportionately. High temperature square faced seals provide the largest possible sealing surface area with controlled piston retraction on release.

Every **SL4** and **SL4/ST** caliper incorporates new and adapted performance features from other Wilwood designs. Each caliper is equipped with replaceable SRS stainless steel bridge wear plates. SRS plates eliminate the bridge wear caused by pad gouging to extend the service life of the caliper. The spring-loaded action of the SRS plates eliminates pad rattle and dampens the vibration harmonics that contribute to pad squeal. The bodies are machined with recesses to protect the fluid crossover tubes and bleed screws. The fluid tubes are dampen mounted and two piece bleed screw assemblies assure reliability in harsh conditions and round out the total performance package. The full range of Wilwood brake pad compounds is available in the 7420 type pads to match the brake response and heat range of any competition application.

SUPERLITE 4/ST WITH THERMLOCK® PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.88 / 1.75"	1.25" 31,8 mm	120-7570-FS	120-7571-FS	120-7570-RS	120-7571-RS
47,8 / 44,5 mm					

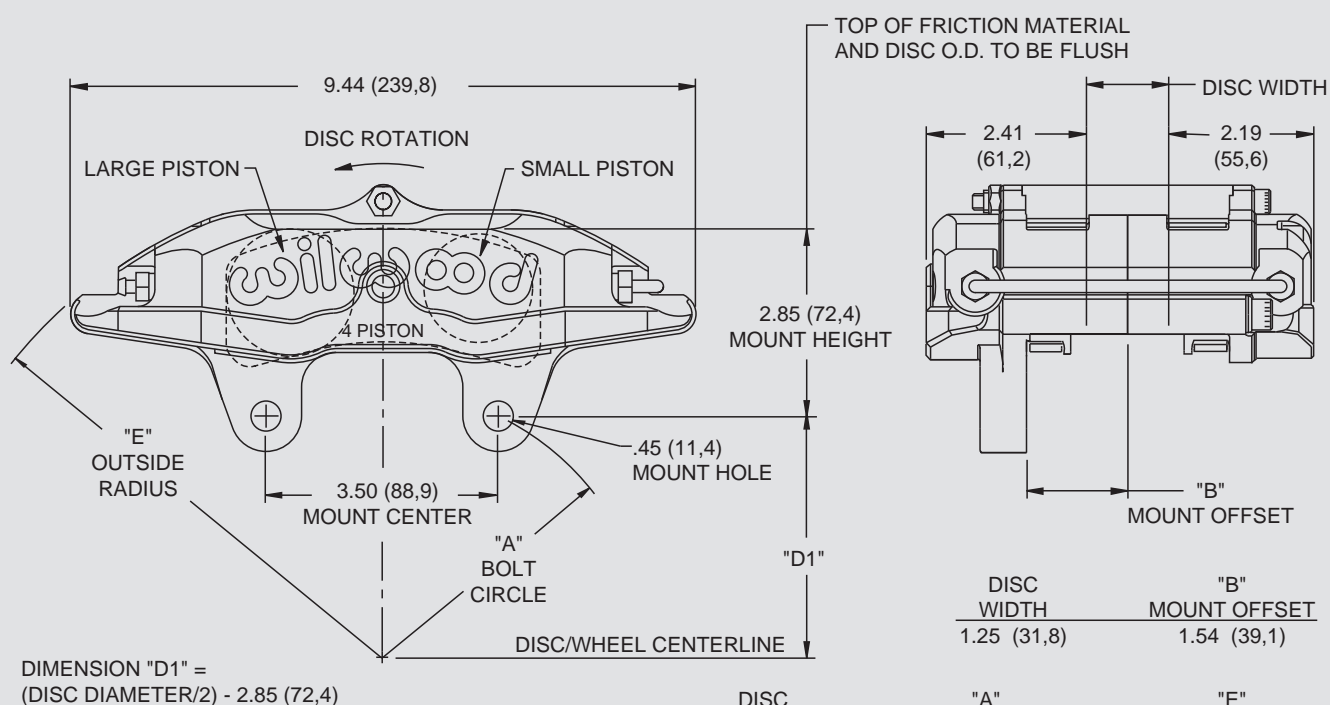
SUPERLITE 4/ST WITH STAINLESS STEEL PISTONS CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NO.		REAR MOUNT PART NO.	
		RH	LH	RH	LH
1.88 / 1.75"	1.25" 31,8 mm	120-7568-FS	120-7569-FS	120-7568-RS	120-7569-RS
47,8 / 44,5 mm					

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

BILLET SUPERLITE 4 CALIPER, MOUNTING DIMENSIONS:

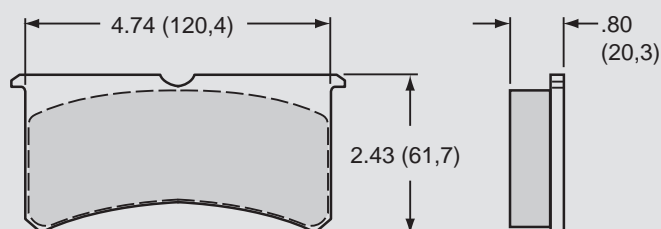


NOTE: RIGHT HAND REAR MOUNT CALIPER SHOWN.
LEFT HAND CALIPER HAS BLEED SCREW
AND CROSSOVER TUBE REVERSED.

INLET FITTING: 1/8-27 NPT

DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
11.75 (298,5)	3.49 (88,6)	6.65 (168,9)
12.19 (309,6)	3.69 (93,7)	6.81 (173,0)
12.72 (323,1)	3.92 (99,6)	7.01 (178,0)
12.88 (327,2)	3.99 (101,3)	7.08 (179,8)
13.00 (330,2)	4.05 (102,9)	7.14 (181,4)

SUPERLITE 4 BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-7568	200-7522 (1.88") 200-7532 (1.75")	130-2427	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7569	200-7522 (1.88") 200-7532 (1.75")	130-2427	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7570	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)
120-7571	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5975	190-8310	230-5978	300-5922 (R/H) 300-5923 (L/H)

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



SUPERLITE FSLI CALIPER

Caliper Highlights:

The **Superlite** caliper series is the benchmark in short track, late model, modified and open wheel competition. It also enjoys prominence in a variety of road-race, off-road, rally and sport driving applications. The new **FSLI** model series is the latest innovation to this **Superlite** family of calipers. It has been redesigned with internal fluid ports that eliminate the external fluid cross-over tubes. The transfer tube has been replaced with two additional bleed screw assemblies which allows this group of symmetrical piston bore models to be mounted either right or left in a leading or trailing position.



 Red Powder

 Platinum-E

The most noteworthy feature of all of the **FSL** caliper models is the exceptional strength and reduced weight of the forging. With assembled weights just at 4.4 pounds, the **FSL** body design in itself is a product of computer generated solid modeling and stress analysis technology. Each caliper features closed end bridges with a radial transition down to the main body and piston bore housings. The elimination of machined steps and sharp shoulders in this critical area provides a measurable increase in overall body strength and resistance to deflection under load.

Every **FSL** body is stress-flow forged from a premium grade aluminum alloy billet. Stress-flow forging realigns the metal's internal grain structure to flow within the contour of the caliper body. This process eliminates the stresses and interruptions to the internal grain structure that occur when machining a straight block billet.

FSL calipers are assembled with high strength steel main bridge bolts in tension and then supplemented with center bridge bolts to provide maximum resistance and strength against deflection and body separation under load. The center bridge support also provides positive pad retention with quick access when it's time for service. Clamping force, structural deflection, and volume displacement tests have proven the superior strength and efficiency of the **FSLI**. Simply stated, there is no better way to build a stronger or more efficient one or two-piece aluminum caliper body at equal or lower weight.

FSL calipers feature all of Wilwood's latest refinements and proven performance features including replaceable SRS stainless steel bridge plates. SRS plates extend caliper life by preventing wear at the bridge abutments otherwise caused by pad edge gouging. Spring tension in the SRS plates also eliminates pad rattle and helps to dampen the vibration harmonics that can contribute to squeal under braking. Other standard Wilwood features include high-temperature, square faced o-ring seals for positive sealing, controlled piston retraction, and long service life in high heat conditions. Machined stainless steel pistons are used to resist corrosion, retard heat transfer, and eliminate backside deflection under pressure. Two-piece bleed screw assemblies provide long, reliable service life and are easily replaced if necessary.

The **FSLI** calipers are direct replacements for all previous **FSL** model calipers, and all other competitive brands with 3.50" centered mounting lugs. Calipers are available in the popular 1.75", 1.62", 1.38", 1.25" and 1.12" symmetrical piston configurations for .81", 1.10" and 1.25" rotor widths. All **FSL** calipers use type 7420 brake pad with the full range of PolyMatrix and Smart Pad compounds being available to match brake response, temperature range, and wear rates to any driving style or conditions.

ORDERING INFORMATION, FSLI SYMMETRICAL BORE CALIPERS WITH STAINLESS PISTONS:⁽¹⁾

BORE SIZE		DISC WIDTH		PLATINUM-E PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.25"	31,8 mm	120-11136	—
1.75"	44,5 mm	1.10"	27,9 mm	120-11135	—
1.75"	44,5 mm	.81"	20,6 mm	120-11134	—
1.75"	44,5 mm	.81"	20,6 mm	120-11134-SI	—
1.62"	41,1 mm	1.25"	31,8 mm	120-11133	—
1.62"	41,1 mm	1.10"	27,9 mm	120-11132	—
1.62"	41,1 mm	.81"	20,6 mm	120-11131	—
1.38"	35,0 mm	1.25"	31,8 mm	120-11130	—
1.38"	35,0 mm	1.10"	27,9 mm	120-11129	—
1.38"	35,0 mm	.81"	20,6 mm	120-11128	120-11128-RD
1.25"	31,8 mm	1.25"	31,8 mm	120-11127	—
1.25"	31,8 mm	.81"	20,6 mm	120-11126	—
1.12"	28,4 mm	.81"	20,6 mm	120-11125	—

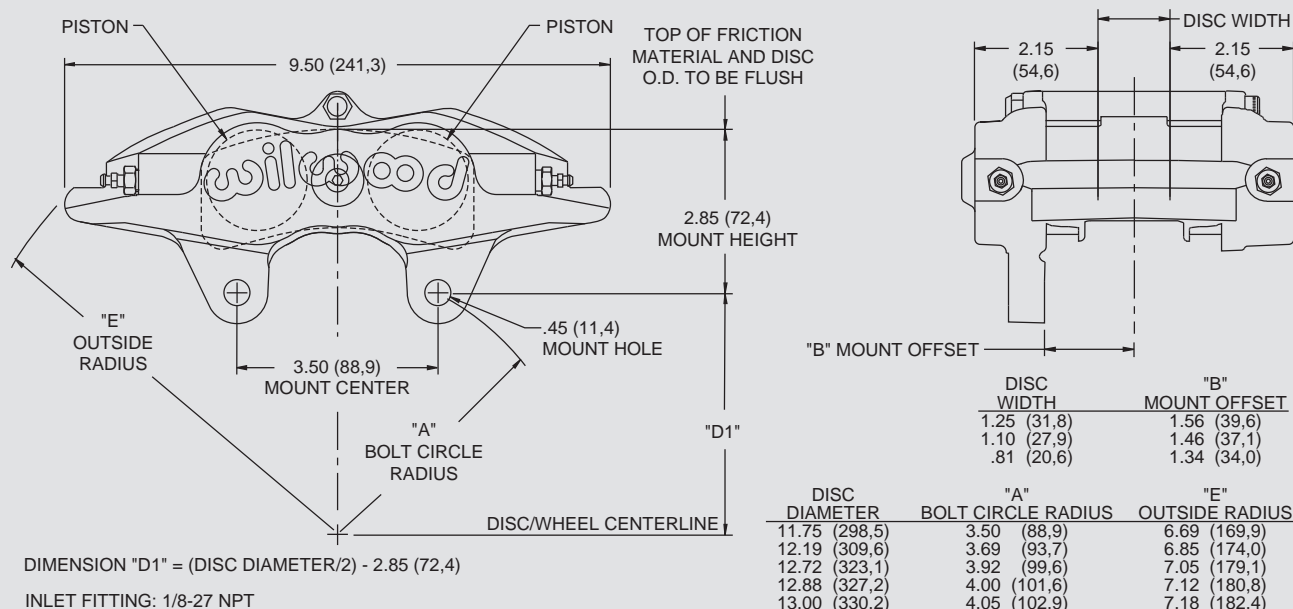
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION (SI = SIDE INLET)

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

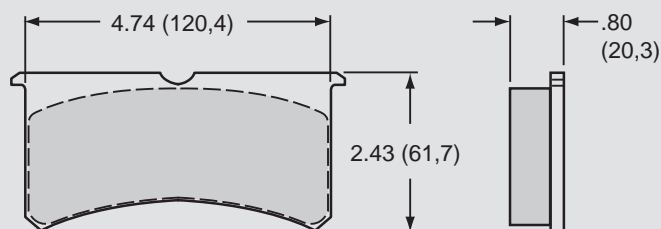


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FORGED BILLET SUPERLITE CALIPER, MOUNTING DIMENSIONS:



FORGED BILLET SUPERLITE BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

ORDERING INFORMATION, CALIPER SERVICE PARTS - FSLI MODELS:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE-R/L (EA)
120-11125	200-6307 (1.12")	130-2579	220-0627	—	—	230-7539	300-5922/23
120-11126	200-7514 (1.25")	130-2479	220-0627	—	—	230-7539	300-5922/23
120-11127	200-7514 (1.25")	130-2479	220-0627	—	—	230-7541	300-5922/23
120-11128	200-7516 (1.38")	130-2658	220-0627	—	—	230-7539	300-5922/23
120-11129	200-7516 (1.38")	130-2658	220-0627	—	—	230-7540	300-5922/23
120-11130	200-7516 (1.38")	130-2658	220-0627	—	—	230-7541	300-5922/23
120-11131	200-7519 (1.62")	130-4346	220-0627	—	—	230-7539	300-5922/23
120-11132	200-7519 (1.62")	130-4346	220-0627	—	—	230-7540	300-5922/23
120-11133	200-7519 (1.62")	130-4346	220-0627	—	—	230-7541	300-5922/23
120-11134	200-7531 (1.75")	130-2655	220-0627	—	—	230-7539	300-5922/23
120-11135	200-7531 (1.75")	130-2655	220-0627	—	—	230-7540	300-5922/23
120-11136	200-7531 (1.75")	130-2655	220-0627	—	—	230-7541	300-5922/23

ORDERING INFORMATION, CALIPER SERVICE PARTS - PREVIOUS FSL MODELS:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE-R/L (EA)
120-7429	200-7531 (1.75")	130-2655	220-6069	190-5975	190-8310	230-7541	300-5922/23
120-7430	200-7531 (1.75")	130-2655	220-6069	190-5973	—	230-7539	300-5922/23
120-7431	200-7516 (1.38")	130-2658	220-6069	190-5975	190-8310	230-7541	300-5922/23
120-7432	200-7516 (1.38")	130-2658	220-6069	190-5973	—	230-7539	300-5922/23
120-7476	200-7531 (1.75")	130-2655	220-6069	190-5974	—	230-7540	300-5922/23
120-7477	200-7516 (1.38")	130-2658	220-6069	190-5974	—	230-7540	300-5922/23
120-7792	200-7514 (1.25")	130-2479	220-6069	190-5975	190-8310	230-7541	300-5922/23
120-7794	200-7514 (1.25")	130-2479	220-6069	190-5973	—	230-7539	300-5922/23
120-8282	200-7513 (1.12")	130-2579	220-6069	190-5975	190-8310	230-7541	300-5922/23
120-8283	200-7513 (1.12")	130-2579	220-6069	190-5973	—	230-7539	300-5922/23
120-8464	200-7519 (1.62")	130-4346	220-6069	190-5973	—	230-7539	300-5922/23
120-8465	200-7519 (1.62")	130-4346	220-6069	190-5974	—	230-7540	300-5922/23
120-8466	200-7519 (1.62")	130-4346	220-6069	190-5975	190-8310	230-7541	300-5922/23

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



SUPERLITE FSLI4 & FSLI4/ST DIFFERENTIAL PISTON BORE CALIPER

Caliper Highlights:

FSLI4 and **FSLI4/ST** calipers provide the pad wear performance advantages of differential bore pistons with the option for ultimate heat protection using **Thermlock®** pistons in the ST models. Differential piston bores compensate for leading-edge mechanical loading and temperature variances across the pad face to reduce pad taper wear in sustained high temperature applications. **Thermlock®** pistons in the ST models block heat transfer from the pads and reduce temperatures in the caliper, fluid, and seals by up to 25% over standard stainless steel pistons. These are the go-to calipers for all types sustained hard braking on dirt and asphalt ovals and a wide range of off-road, rally and road course applications.



Platinum-E

These new **FSLI4** and **FSLI4/ST** models use the latest innovation to the **Superlite** family of calipers. They have been redesigned with internal fluid ports that eliminate the external fluid cross-over tubes. The transfer tube has been replaced with two additional bleed screw assemblies which allow this group of right and left hand oriented differential piston bore calipers to be mounted in either a leading or trailing position.

The most noteworthy feature of all the **FSL** caliper models is the exceptional strength and reduced weight of the forging. With assembled weights just at 4.4 pounds, the caliper body design in itself is a product of computer generated solid modeling and stress analysis technology. Each caliper features closed end bridges with a radial transition down to the main body and piston bore housings. The elimination of machined steps and sharp shoulders in this critical area provides a measurable increase in overall body strength and resistance to deflection under load.

Every **FSL** body is stress-flow forged from a premium grade aluminum alloy billet. Stress-flow forging realigns the metal's internal grain structure to flow within the contour of the caliper body. This process eliminates the stresses and interruptions to the internal grain structure that occur when machining a straight block billet.

FSL calipers use high strength steel main bridge bolts in tension and a supplemental center bridge bolt to provide maximum resistance and strength against deflection and body separation under load. The center bridge support also provides positive pad retention with quick access when it's time for service. Clamping force, structural deflection, and volume displacement tests have proven the superior strength and efficiency of the **FSL**. Simply stated, there is no better way to build a stronger or more efficient one or two-piece aluminum caliper body at equal or lower weight.

FSL calipers feature all of Wilwood's latest refinements and proven performance features including replaceable SRS stainless steel bridge plates. SRS plates extend caliper life by preventing wear at the bridge abutments otherwise caused by pad edge gouging. Spring tension in the SRS plates also eliminates pad rattle and helps to dampen the vibration harmonics that can contribute to squeal under braking. Other standard Wilwood features include high-temperature, square faced o-ring seals for positive sealing, controlled piston retraction, and long service life in high heat conditions. Machined stainless steel pistons are used in the standard models to resist corrosion, retard heat transfer, and eliminate backside deflection under pressure. Two-piece bleed screw assemblies provide long, reliable service life and are easily replaced if necessary.

The 1.88" / 1.75" differential piston bore combination provides the largest effective clamping force area of any caliper in the **Superlite** family. All **FSL** calipers use type 7420 brake pads with the full range of PolyMatrix and Smart Pad compounds being available to match brake response, temperature range, and wear rates to any driving style or condition.

ORDERING INFORMATION, FSLI4/ST DIFFERENTIAL BORE CALIPERS WITH THERMLOCK PISTONS:⁽¹⁾

BORE SIZE	DISC WIDTH	RH	LH
1.88 / 1.75" 47,8 / 44,5 mm	1.25" 31,8 mm	120-11331	120-11332

ORDERING INFORMATION, FSLI4 DIFFERENTIAL BORE CALIPERS WITH STAINLESS PISTONS:⁽¹⁾

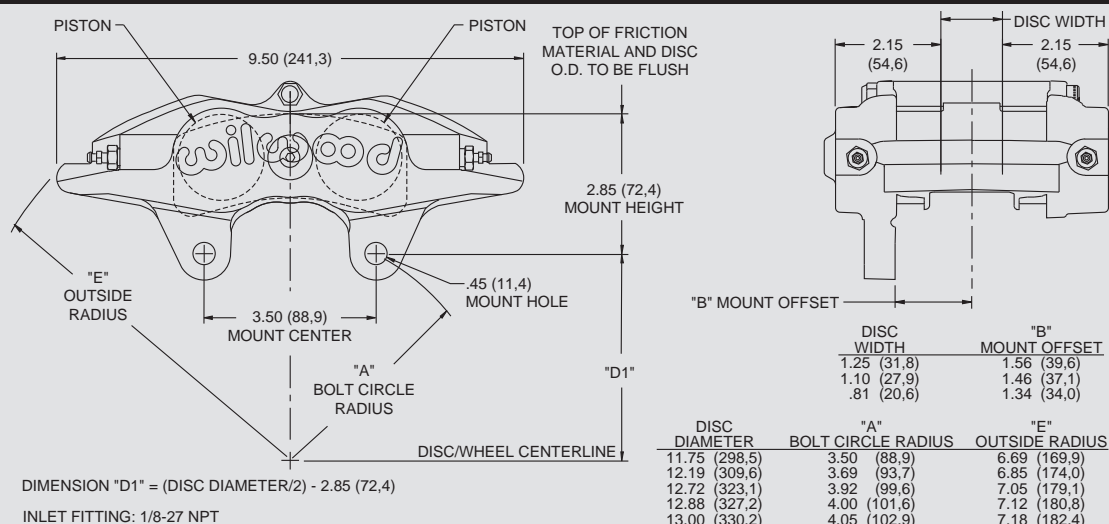
BORE SIZE	DISC WIDTH	RH	LH
1.88 / 1.75" 47,8 / 44,5 mm	1.25" 31,8 mm	120-11329	120-11330
1.88 / 1.75" 47,8 / 44,5 mm	.81" 20,1mm	120-11137	120-11138

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

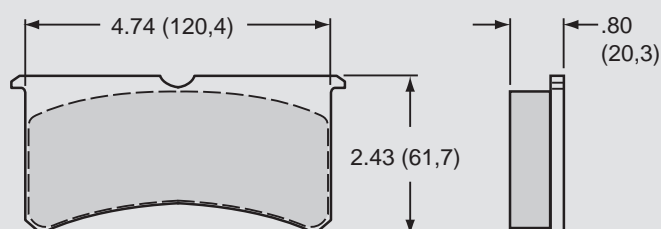
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



FORGED BILLET SUPERLITE 4 CALIPER, MOUNTING DIMENSIONS:



FORGED BILLET SUPERLITE BRAKE PAD TYPE 7420 - PAD VOLUME = 4.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7420 SM For Titanium Rotor

ORDERING INFORMATION, CALIPER SERVICE PARTS - FSLI4 AND FSLI4/ST MODELS:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-11137	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-0627	—	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-11138	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-0627	—	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-11329	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-0627	—	—	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-11330	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-0627	—	—	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-11331	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-0627	—	—	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-11332	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-0627	—	—	230-7541	300-5922 (R/H) 300-5923 (L/H)

ORDERING INFORMATION, CALIPER SERVICE PARTS - PREVIOUS FSL4 AND FSL4/ST MODELS:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	CROSSOVER TUBE KIT (4 PK)	SELF-BLEED TUBE (EA)	BRIDGE BOLT KIT	BRIDGE WEAR PLATE (EA)
120-9573	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-6069	190-5973	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-9574	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-6069	190-5973	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-9575	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-6069	190-5975	190-8310	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-9576	200-7521 (1.88") 200-7531 (1.75")	130-2427	220-6069	190-5975	190-8310	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-9577	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5973	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-9578	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5973	—	230-7539	300-5922 (R/H) 300-5923 (L/H)
120-9579	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5975	190-8310	230-7541	300-5922 (R/H) 300-5923 (L/H)
120-9580	200-7550 (1.88") 200-7551 (1.75")	130-2427	220-6069	190-5975	190-8310	230-7541	300-5922 (R/H) 300-5923 (L/H)

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



GNX4 FORGED BILLET OFF-ROAD CALIPER

Caliper Highlights:

The **GNX4** caliper is a pure bread work horse designed and built for survival in extreme off-road environments. In all types of weather, deep mud, desert sand, or the most rigorous mountain terrain, the **GNX4** delivers uncompromising performance and the durability you can depend on to bring you home.



☐ Silver (Clear)

As with the entire forged billet Wilwood caliper line, the strength of the **GNX4** is a combination of process and design.

GNX4 caliper bodies are stress-flow forged from premium grade billet alloy. Stress-flow forging realigns the grain structure of the metal within the contour of the body to produce a part with superior strength over cast parts or any parts simply machined from straight grained blocks of billet. The FEA generated body design incorporates a highly fortified radial transition that eliminates steps and shoulders between the piston housings and the body bridges. Incorporating radii in these critical areas substantially increases resistance to deflection and caliper body separation under load. Maximum strength can be achieved without excessive mass, resulting in confident pedal response and high clamping efficiency without excessive weight. Using aluminum based alloys also eliminates the rust and corrosion issues that plague iron calipers in wet environments.

The **GNX4** is loaded with other enhancements for performance and durability. The calipers feature a top pin pad retainer for simplified pad service that does not require caliper removal. Four 1.88" (47,8mm) dust booted pistons are able to generate high clamping force without the need for excessive high pressure, making them perfectly suitable for manually actuated or power boosted master cylinders. The dust boots seal out dirt, moisture, and other debris, and minimize the need for any type of piston service during pad changes.

Each **GNX4** is also fitted with Wilwood exclusive SRS bridge plates. SRS plates eliminate the bridge wear caused by pad gouging to extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that can contribute to excessive noise during engagement. The package is completed with internal fluid passages and four corner bleed screws that allow mounting in any front, rear, left, or right side position.

GNX4 CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		PART NUMBER
1.88"	47,8 mm	1.00"	25,4 mm	120-10754

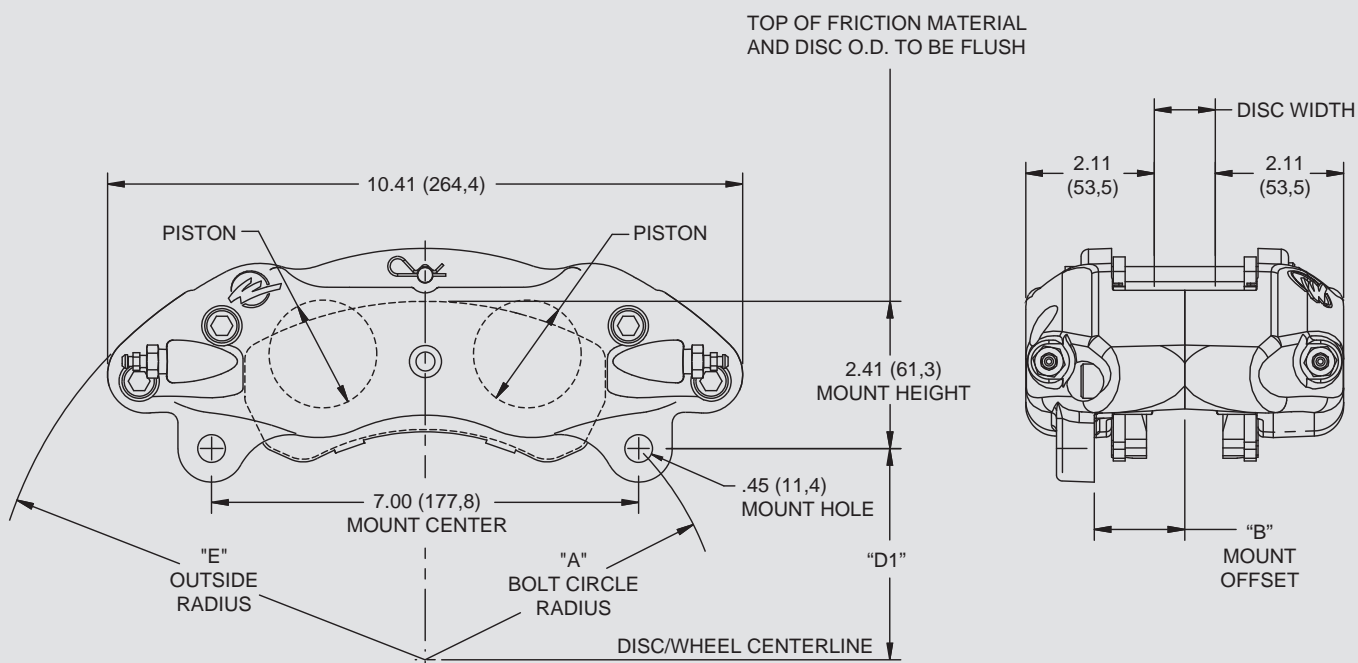
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



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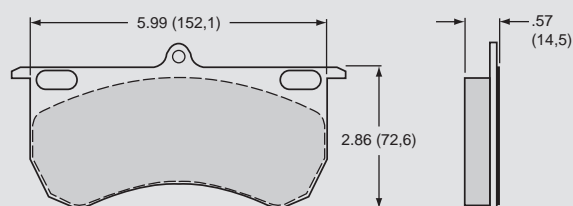
GNX4 CALIPER, MOUNTING DIMENSIONS:



DIMENSION "D1" = (DISC DIAMETER/2) - 2.41 (61,3)
INLET FITTING: 1/8-27 NPT

DISC WIDTH	"B" MOUNT OFFSET	DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
1.00 (25,4)	1.48 (37,6)	11.75 (298,5)	4.92 (125,1)	7.19 (182,6)
		12.19 (309,6)	5.08 (129,1)	7.37 (187,3)
		12.90 (327,7)	5.35 (135,8)	7.68 (195,0)
		13.06 (331,7)	5.41 (137,3)	7.74 (196,7)

GNX4 BRAKE PAD TYPE 9115 - PAD VOLUME = 4.1 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
150 - 9841K	9115 SM Sintered Metallic

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING (4 PK)	BLEED SCREW (EA)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN KIT (EA)
120-10754	200-9846 (1.88")	130-11197	220-10481	212-10164	300-9612	180-11198



FORGED BILLET ALUMINUM D8-4 CORVETTE CALIPERS

Caliper Highlights:

D8-4 calipers are a direct replacement for the original equipment calipers on all 1965 to 1982 Corvettes. Forged billet aluminum bodies, stainless steel pistons, and competition style high-temperature seals put an end to the rust, bore pitting, seal failures, and the leaks that plague the OE caliper design. D8-4 calipers will provide low-maintenance performance for the Sunday driver, and a huge weight savings with high-temperature reliability for the tracks.



- Platinum-E
- Black Powder
- Red Powder

D8-4 calipers were designed to mount in the stock location over stock dimension rotors using the original style OE D8 brake pads. D8-4 calipers fit as-is, and can be used with all C2 and C3 production wheels including the factory steel rally wheels and the C3 optional finned alloy wheels. The stock piston bore sizes have been duplicated in order to maintain the front to rear brake bias and to be 100% compatible with the output of the original equipment master cylinders. Only the flex lines that connect the calipers to the hardline fittings on the chassis need to be replaced to install the D8-4 calipers on any car.

The forged billet aluminum body of the D8-4 is a product of Wilwood's in-house FEA design and 3D modeling technology. With its unyielding strength and superior piston design, the D8-4 generates positive pedal response and high clamping efficiency with a substantial weight savings over the OE calipers. A full set of D8-4 calipers reduces unsprung suspension weight by 29 pounds, making the D8-4 the ultimate selection for handling and suspension control on the street or at the track.

As stated, the D8-4 caliper eliminates the external rust, internal bore pitting, and the subsequent seal failures and leaks that are common to the OE cast iron design. Stainless steel pistons provide corrosion free service life, while at the same time slowing the heat transfer from the pads to the caliper body. Aluminum calipers also dissipate heat much better than their cast iron predecessors. Lower operating temperatures translate into longer service life and less thermal distortion in the caliper body, with optimized performance from the seals and fluid inside, regardless of the driving environment.

The D8-4 also incorporates performance enhancements from other Wilwood caliper designs. Each caliper is fitted with replaceable SRS bridges plates that eliminate wear from pad gouging on unprotected aluminum bridge abutments. The spring-loaded action of the SRS plates also reduces noise by eliminating pad rattle and dampening the engagement harmonics that can contribute to pad squeal. Two-piece bleed screw assemblies are used to protect the caliper body from damage in case of over-tightening. The bleeds are also installed in all four corners of the caliper to allow effective evacuation of spent fluid or any accumulated gasses from both the inboard and outboard side. The bleed arrangement also allows one caliper to be used on either side of the car. In addition to being fully compatible with all OE style D8 replacement pads, a full range of high performance pad compounds is available to allow fine-tuning of the brake system to any type of driving style or conditions.

Base model calipers are finished with Wilwood's new Platinum-E electro-coating. Platinum-E provides a rich color to the aluminum body and provides a complete protective finish on all internal and external surfaces. It also embeds into the piston bores to provide a durable and fully compatible wear surface for the stainless steel pistons. Optional brake fluid resistant gloss black and red powder coat are also available to provide a different custom look inside aftermarket wheel designs. Information on complete kits that include calipers, braided stainless line kits, and high performance BP-10 Smart Pads can be found in our Bolt-On Brake Kit guide.

D8-4 FRONT CALIPER ORDERING INFORMATION:

BORE SIZE	DISC WIDTH	PLATINUM-E PART NUMBER	BLACK PART NUMBER	RED PART NUMBER
1.88" 47,8 mm	1.25" 31,8 mm	120-10525	120-10525-BK	120-10525-RD

D8-4 REAR CALIPER ORDERING INFORMATION:

BORE SIZE	DISC WIDTH	PLATINUM-E PART NUMBER	BLACK PART NUMBER	RED PART NUMBER
1.38" 35,1 mm	1.25" 31,8 mm	120-10526	120-10526-BK	120-10526-RD

NOTE:

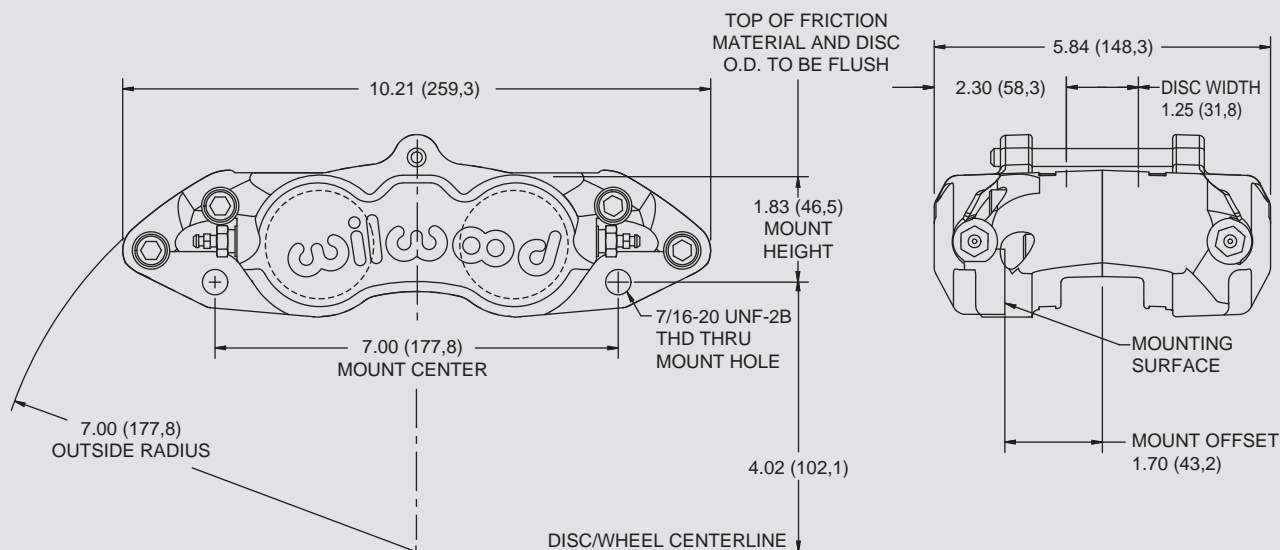
Wheel clearance issues exist with Kelsey-Hayes knock-off wheels, and some aftermarket replica wheels. Always check wheel clearances closely prior to installation. If necessary, use a minimum thickness wheel spacer to provide adequate clearance.

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



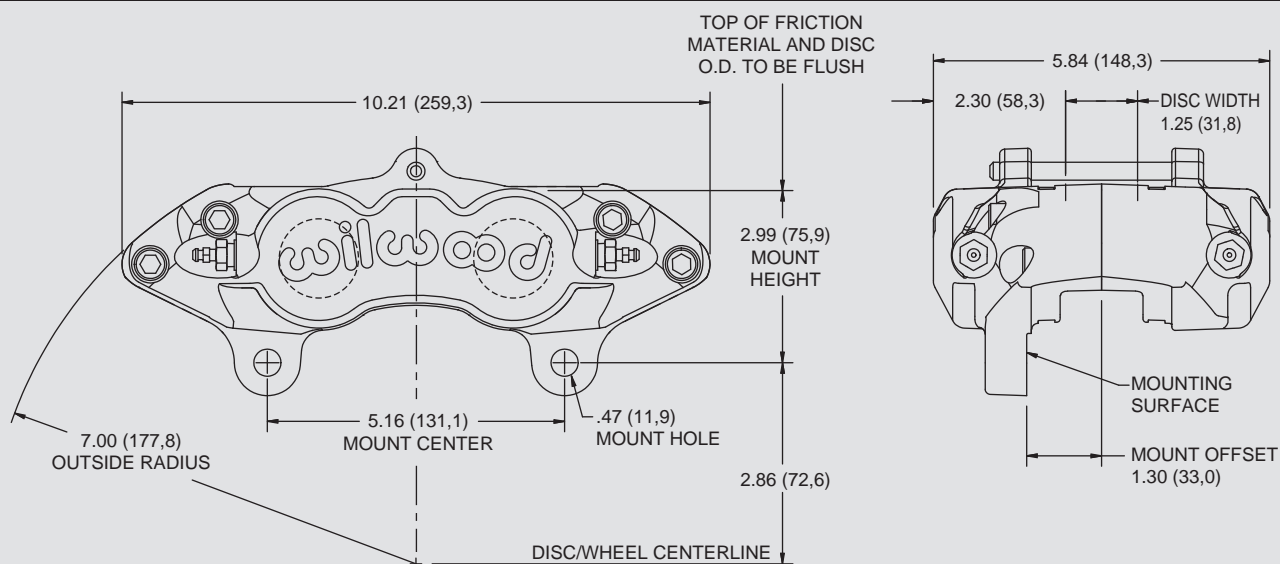
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D8-4 FRONT CALIPER, MOUNTING DIMENSIONS:



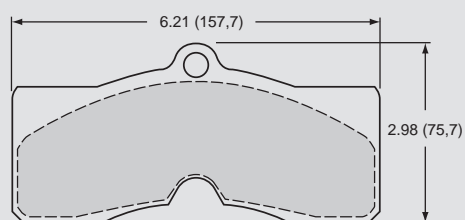
NOTE: DIMENSIONS FOR USE WITH 1965-82 STOCK FRONT CORVETTE ROTOR, 11.75 (298,5) X 1.25 (31,8)
INLET FITTING: 1/8-27 NPT

D8-4 REAR CALIPER, MOUNTING DIMENSIONS:



NOTE: DIMENSIONS FOR USE WITH 1965-82 STOCK REAR CORVETTE ROTOR, 11.75 (298,5) X 1.25 (31,8)
INLET FITTING: 1/8-27 NPT

D8-4 BRAKE PAD TYPE D8 - PAD VOLUME = 3.9 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6202K	D8 A PolyMatrix
15E - 8300K	D8 E PolyMatrix
15Q - 8623K	D8 Q PolyMatrix
150 - 10546K	D8 10 BP-10 Smart Pad
150 - 10547K	D8 20 BP-20 Smart Pad

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING (EA)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)
120-10525	200-7521 (1.88")	210-5445	220-0627	210-2582	300-10523	310-3634
120-10526	200-7516 (1.38")	210-5442	220-0627	210-2582	300-10523	310-3634

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



IR-GT4R RADIAL MOUNT CALIPER

Caliper Highlights:

The **IR-GT4R Radial Mount Caliper** is a rigid, lightweight, four piston radial mount design. With smaller piston volumes and thick pad capability, it is suited for a variety of rear brake applications.

The body is a product of FEA design and stress analysis technology. The fully CNC machined billet body features a closed bridge with grade 8 though bolts. Starting at 2.66 pounds it is the perfect balance between strength, low deflection, and lightweight. Caliper is fitted with steel pad load plates to reduce wear and provide smooth pad operation. A center bridge bolt adds strength and gives easy access to the top loaded pads.

PolyMatrix pads are available in several compounds to match brake torque and heat requirement to any competition application.

Stainless steel pistons are used for their slow heat transfer properties and high corrosion resistance. For extreme heat conditions, the **IR-GT4R** can be fitted with Wilwood's exclusive design. Using EXP 600 Plus racing brake fluid will guarantee the best performance in all conditions.

Bracket kits are used to install the calipers in place of most 3.50" lug mount calipers. Radial mounting simplifies service and the bracket kits provide two planes of adjustment for precise alignment over the disc. Bracket kits include the radial mount bracket, studs, locknuts, and caliper alignment shims.

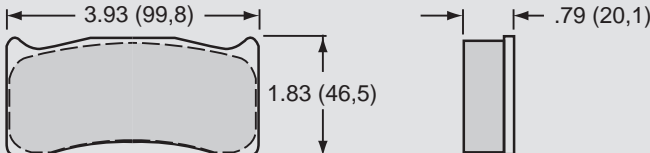


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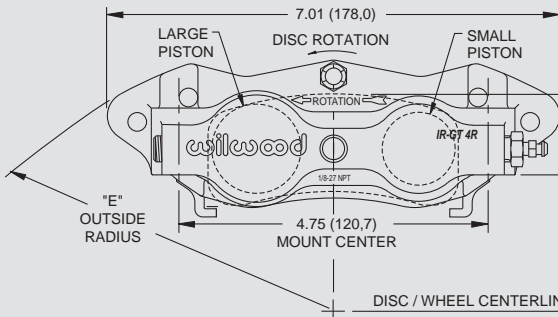
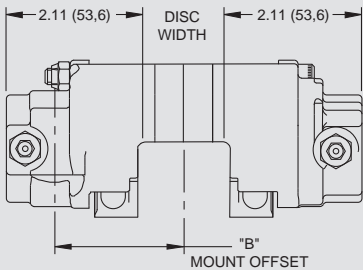
CALIPER ORDERING INFORMATION:^(1, 2, 3)

BORE SIZE	DISC WIDTH	FRONT MOUNT PART NUMBER	
		RH	LH
1.38 / 1.12" (35,1 / 28,4 mm)	1.25" 31,8 mm	120-6604	120-6605
1.25 / 1.00" (31,8 / 25,4 mm)	1.25" 31,8 mm	120-6606	120-6607

IR-GT4R BRAKE PAD TYPE 7620 - PAD VOLUME = 3.5 CU. IN.:

	AXLE SET P/N	PAD TYPE / COMPOUND
	15A - 5772K	7620 A PolyMatrix
	15C - 4721K	7620 C PolyMatrix
	15H - 8112K	7620 H PolyMatrix
	150 - 4717K	7620 Rapco Pad (.34" Thick)

IR-GT4R RADIAL MOUNT CALIPER, MOUNTING DIMENSIONS:

			
LARGE PISTON	DISC ROTATION	SMALL PISTON	TOP OF FRICTION MATERIAL AND DISC O.D. TO BE FLUSH
"E" OUTSIDE RADIUS	4.75 (120,7) MOUNT CENTER	1.25 (31,8) MOUNT HEIGHT	4.85 (123,2) DISC DIAMETER
	DISC / WHEEL CENTERLINE		DISC DIAMETER 12.19 (309,6)
			"E" OUTSIDE RADIUS 6.92 (175,8)
			DISC WIDTH 1.25 (31,8)
			"B" MOUNT OFFSET 1.99 (50,5)

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)
120-6604	200-7516 (1.38") 200-7513 (1.12")	130-7218	220-0627	210-2582	300-5066 (R/H) 300-5067 (L/H)
120-6605	200-7516 (1.38") 200-7513 (1.12")	130-7218	220-0627	210-2582	300-5066 (R/H) 300-5067 (L/H)
120-6606	200-4655 (1.25") 200-4657 (1.00")	130-7219	220-0627	210-2582	300-5066 (R/H) 300-5067 (L/H)
120-6607	200-4655 (1.25") 200-4657 (1.00")	130-7219	220-0627	210-2582	300-5066 (R/H) 300-5067 (L/H)

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

(2) CALIPERS CAN BE CONVERTED FOR REAR MOUNTING BY EXCHANGING THE POSITION OF THE BLEED SCREWS AND PIPE PLUGS

(3) USE RADIAL MOUNT CALIPER BRACKET PART NUMBER 250-6625 FOR MOUNTING TO 3.50" BOLT SPACING AXLE MOUNTS

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

GM III CALIPER

Caliper Highlights:

Wilwood's GM III caliper represents the latest refinements in caliper design and manufacturing through solid modeling and stress simulation programs. The result is the most rigid, highest torque, lightweight aluminum caliper with weights starting at 3.36 pounds.

The real strength comes from its exclusive triple bridge configuration which provides a tremendous increase in clamping force over other twin bridge calipers. Efficient designs further maximize weight savings: material is properly placed to fortify all load bearing points. Each caliper model has its own unique casting: 2.38" diameter piston calipers incorporate a smaller external contour than the larger 2.75" diameter piston calipers. Any material that did not contribute to strength, was eliminated for weight reduction.

The GM III incorporates standard Wilwood features like stainless steel pistons for increased fluid protection and high temperature seals for controlled retraction which provides improved driver feel. The GM III for 1.00" width rotor is machined and fitted with OEM type slide pin vibration dampeners for a direct OEM caliper interchange.

These tight grained, high density aircraft alloy aluminum castings are fully machined, assembled and tested in-house by fully trained technicians at Wilwood to assure top quality and peak performance.

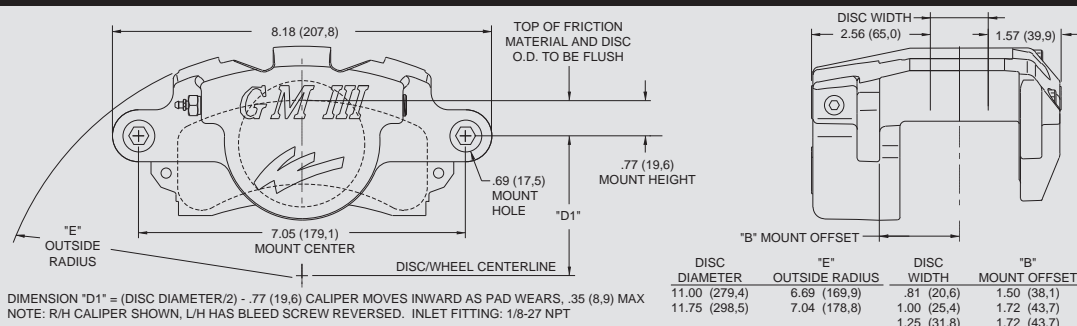


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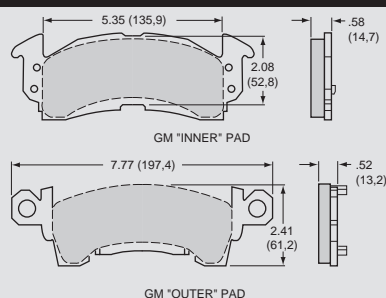
CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		PART NUMBER ^(2, 3)
2.75"	69,8 mm	1.25"	31,8 mm	120-5289
2.75"	69,8 mm	1.00"	25,4 mm	120-5861 ⁽⁴⁾
2.75"	69,8 mm	.81"	20,6 mm	120-5288
2.38"	60,4 mm	1.25"	31,8 mm	120-5344
2.38"	60,4 mm	.81"	20,6 mm	120-5343

GM III CALIPER, MOUNTING DIMENSIONS:



GM III BRAKE PAD TYPE D52 - PAD VOLUME "INNER" = 3.9 CU. IN. / PAD VOLUME "OUTER" = 3.8 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5737K	D52 A PolyMatrix
15B - 3994K	D52 B PolyMatrix
15C - 4419K	D52 C PolyMatrix
15E - 6102K	D52 E PolyMatrix
15H - 8232K	D52 H PolyMatrix
15Q - 6830K	D52 Q PolyMatrix
150 - 8939K	D52 10 BP-10 Smart Pad
150 - 9421K	D52 20 BP-20 Smart Pad
150 - 9866K	D52 30 BP-30 Smart Pad

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	O-RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	SLIDE PIN KIT (4 PK)
120-5288	200-6633 (2.75") ⁽⁵⁾	130-4955	220-0627	230-0619
120-5289	200-6633 (2.75") ⁽⁵⁾	130-4955	220-0627	230-0619
120-5343	200-1119 (2.38")	130-4956	220-0627	230-0619
120-5344	200-1119 (2.38")	130-4956	220-0627	230-0619
120-5861	200-6633 (2.75") ⁽⁵⁾	130-4955	220-0627	230-0619

- NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
 (2) THE BASE PART NUMBER CAN BE RIGHT HAND OR LEFT HAND MOUNTED
 (3) SLIDE PIN KIT P/N 230-0619 IS REQUIRED FOR INSTALLATION AND MUST BE ORDERED SEPARATELY
 (4) INCLUDES SLIDE PIN VIBRATION DAMPENERS
 (5) THIS PISTON IS NOT COMPATIBLE WITH THE EARLIER BLACK ANODIZED VERSIONS OF THE GM II AND GM III CALIPERS. ALL EARLY BLACK ANODIZED 2.75" BORE CALIPERS REQUIRE PISTON P/N 200-1120

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



FORGED BILLET GM D52 FLOATING OE MOUNT DUAL PISTON CALIPER

Caliper Highlights:

The **D52** forged billet caliper is a direct bolt-on, lightweight, high-strength, extreme duty alternative to the OE cast iron calipers that were used on a wide range of GM cars and trucks beginning with full sized passenger cars in 1968. The original single piston floating mount caliper models then spread into use on most of the late 60's to early 70's muscle cars and light trucks that were factory disc brake equipped. Use of this caliper can still be found on some GM models as late as the year 2001. The wide spread and affordable availability of **D52** calipers and brake pad compounds also made it a popular choice in a number of restricted class competition categories and drum to disc conversions on all types of hot rods and street machines.



■ Platinum-E ■ Black Powder ■ Red Powder

The **D52** replacement caliper was designed using computer generated 3D modeling and FEA stress analysis technology. They have been configured to mount in the stock location with OE type slide-pins in position over the original rotor using standard OE type brake pads. This caliper design features a stress-flow forged billet aluminum body that provides a substantial weight savings over the original cast iron caliper, without any of the rust and corrosion issues that are common to cast iron parts. Stress flow forging realigns the internal grain structure of the metal within the contour of the caliper body to create a caliper that is superior in strength to any cast or machined from block billet caliper design. There simply is no better way to build an aluminum caliper with more strength or less weight.

These highly efficient two-piston calipers generate big brake clamping force from a pair of machined stainless steel pistons. Stainless pistons are used to resist corrosion and retard heat transfer from the pads into the caliper body. The dual piston design concentrates the clamping force over the entire length of the pad to improve pad loading while minimizing uneven wear and backing plate deflection over all single piston caliper designs. High temperature, square faced bore seals are used to provide controlled piston retraction and reliable performance from the wider sealing face. This combination of components is a proven performer with long service life and a history of reliable performance in any type of driving environment, including extreme sustained high temperature racing applications. The caliper slide pin holes are fitted with dampening rings to minimize noise from vibration. The caliper is also fitted with bleed screws on both ends to facilitate mounting in any left hand or right hand, front leading mount, or rear trailing mount locations.

The caliper inlet port is threaded for use with a 7/16-20 banjo bolt or a line adapter using crush washers as a seal. The OE rubber lines can be used from any vehicle equipped with a 7/16-20 banjo. For later model vehicles that were originally equipped with metric connections, a new line kit will be required. Stainless braided line kits with the appropriate connections are available in 14", 16" and 18" lengths.

To complete the package, the base model caliper is finished with Wilwood's newest Platinum-E electroplate coating. Platinum-E is a rich, durable finish that is impervious to brake fluid. This unique finish seals the surface and provides the ultimate in corrosion resistance inside and outside of the entire caliper. Platinum-E also embeds into the piston bores to provide a durable wear surface for the stainless steel piston. The **D52** is also available as a regular stock item with brake fluid resistant, high-temp glossy red or black powder coat for those wishing to add a different customized look inside the wheels.

CALIPER ORDERING INFORMATION:⁽¹⁾

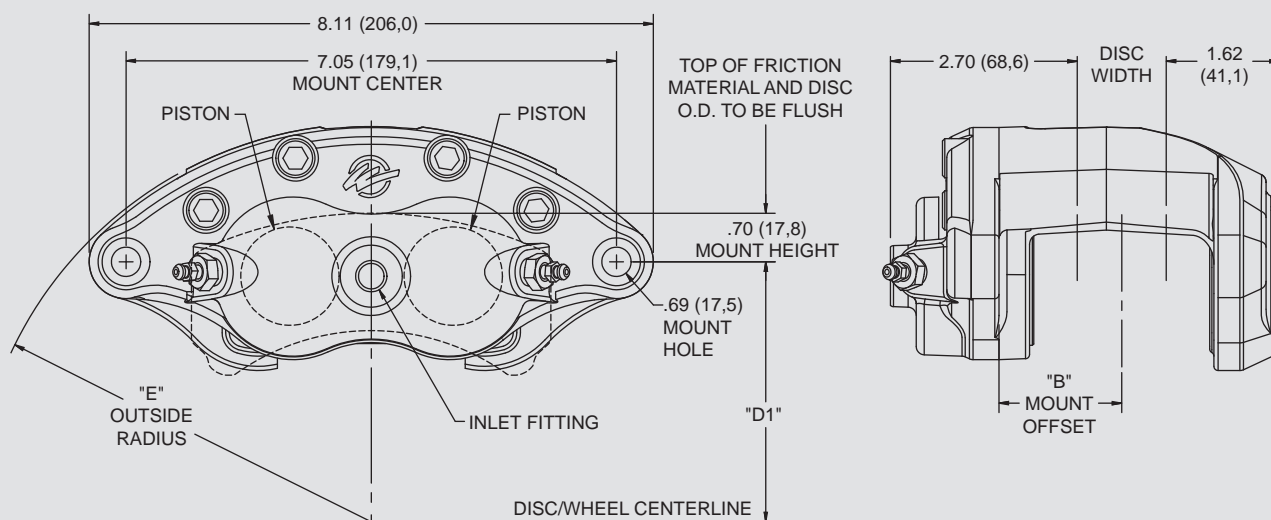
BORE SIZE		DISC WIDTH		PLATINUM-E PART NUMBER	BLACK PART NUMBER	RED PART NUMBER
2.00"	50,8 mm	1.25"	31,8 mm	120-10936	120-10936-BK	120-10936-RD
2.00"	50,8 mm	1.00"	25,4 mm	120-10937	120-10937-BK	120-10937-RD
1.25"	31,8 mm	1.25"	31,8 mm	120-10938	120-10938-BK	120-10938-RD
1.25"	31,8 mm	1.00"	25,4 mm	120-10939	120-10939-BK	120-10939-RD

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



D52 CALIPER, MOUNTING DIMENSIONS:



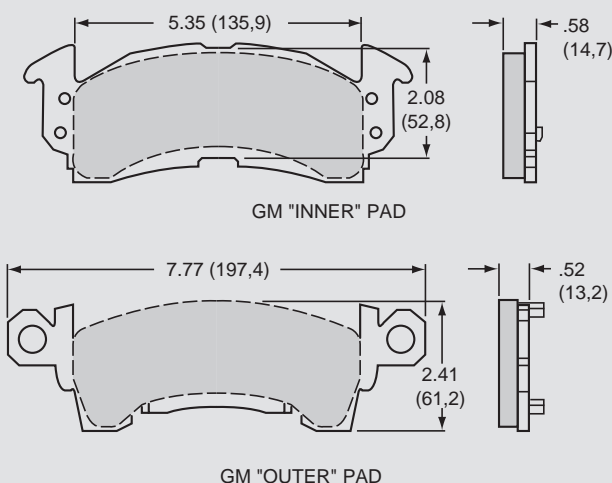
DIMENSION "D1" = (DISC DIAMETER/2) - .70 (17,8)
CALIPER MOVES INWARD AS PAD WEARS, .35 (8,9) MAX.
INLET FITTING: 7/16-20 BANJO

THIS CALIPER IS A DIRECT REPLACEMENT FOR FACTORY
CALIPERS USING THE D52 TYPE BRAKE PAD.

DISC WIDTH	"B" MOUNT OFFSET
1.04 (26,4)	1.64 (41,7)
1.28 (32,5)	1.76 (44,7)

DISC DIAMETER	"E" OUTSIDE RADIUS
11.00 (279,4)	6.78 (172,2)
11.75 (298,5)	7.15 (181,6)
11.88 (301,8)	7.22 (183,4)
12.50 (317,5)	7.53 (191,3)

D52 BRAKE PAD TYPE D52 - PAD VOLUME "INNER" = 3.9 CU. IN. / PAD VOLUME "OUTER" = 3.8 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5737K	D52 A PolyMatrix
15B - 3994K	D52 B PolyMatrix
15C - 4419K	D52 C PolyMatrix
15E - 6102K	D52 E PolyMatrix
15H - 8232K	D52 H PolyMatrix
15Q - 6830K	D52 Q PolyMatrix
150 - 8939K	D52 10 BP-10 Smart Pad
150 - 9421K	D52 20 BP-20 Smart Pad
150 - 9866K	D52 30 BP-30 Smart Pad

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	O-RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	SLIDE PIN KIT (4 PK)
120-10936	200-10932	130-11509	220-0627	230-0619
120-10937	200-10932	130-11509	220-0627	230-0619
120-10938	200-10931	130-2479	220-0627	230-0619
120-10939	200-10931	130-2479	220-0627	230-0619

D52 STAINLESS STEEL FLEX LINE BRAKE KITS, ORDERING INFORMATION:

KIT PART NO.	DESCRIPTION	LENGTH	FITTING
220-11371	Stainless Steel Flexline Hose Kit, D52 Caliper	14 Inch	7/16-20 Banjo
220-11372	Stainless Steel Flexline Hose Kit, D52 Caliper	16 Inch	7/16-20 Banjo
220-11373	Stainless Steel Flexline Hose Kit, D52 Caliper	18 Inch	7/16-20 Banjo
220-11718	Stainless Steel Flexline Hose Kit, D52 Caliper	20 Inch	7/16-20 Banjo
220-11719	Stainless Steel Flexline Hose Kit, D52 Caliper	22 Inch	7/16-20 Banjo

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



GM METRIC CALIPER

Caliper Highlights:

Wilwood's **GM Metric Caliper** is a direct replacement for the 1978 and later D154 type GM metric caliper. Weights starting at 2.92 pounds, it provides a substantial weight savings over cast iron OE calipers.

This competition caliper represents the latest refinements in caliper design and manufacturing through the use of computer based FEA solid modeling and stress simulation programs. The real strength of this caliper comes from its triple bridge configuration, and its lightness is a result of efficient design.

The triple bridge provides higher clamping efficiency through lower deflection over all twin bridge models. All load bearing and stress points are fortified to maximize strength, and all unnecessary material is removed to maximize weight reduction. The results are the strongest, lightest, and most efficient aluminum caliper in its class.

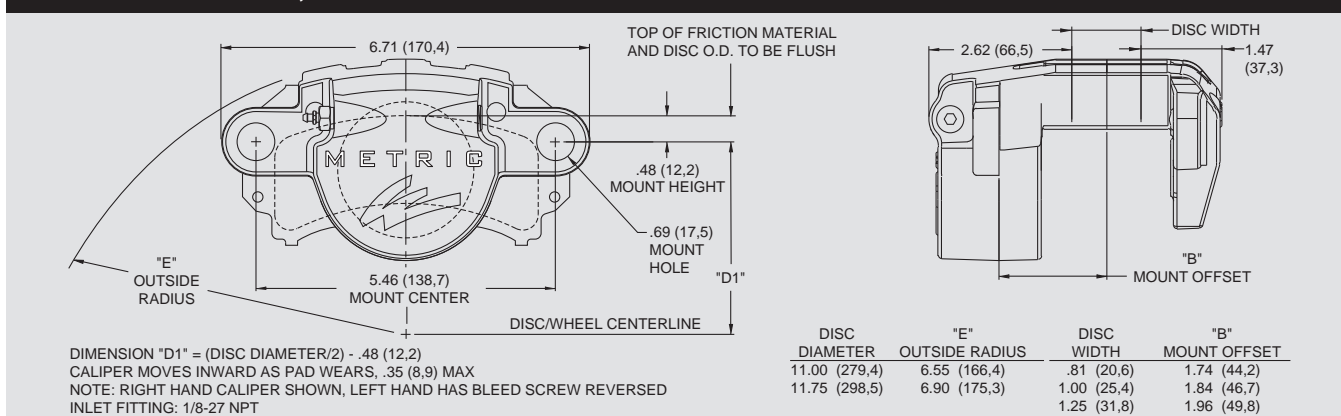
The caliper body is a precision casting using a tight grained, high density aircraft alloy. Stainless steel pistons provide improved fluid protection with high resistance to corrosion and low heat transfer. Each caliper is fully machined, assembled with high temperature seals, and tested in-house.



CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		PART NUMBER ^(2,3)
2.38"	60,4 mm	1.25"	31,8 mm	120-6427
2.38"	60,4 mm	1.00"	25,4 mm	120-7197 ⁽⁴⁾
2.38"	60,4 mm	.81"	20,6 mm	120-6426

GM METRIC CALIPER, MOUNTING DIMENSIONS:



GM METRIC BRAKE PAD TYPE D154 - PAD VOLUME "INNER" = 2.7 CU. IN. / - PAD VOLUME "OUTER" = 3.2 CU. IN.:



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	O-RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	SLIDE PIN KIT (4 PK)
120-6426	200-1119 (2.38")	130-4956	220-0627	230-0619
120-6427	200-1119 (2.38")	130-4956	220-0627	230-0619
120-7197	200-1119 (2.38")	130-4956	220-0627	230-0619

- NOTES:
- (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
 - (2) THE BASE PART NUMBER CAN BE RIGHT HAND OR LEFT HAND MOUNTED
 - (3) SLIDE PIN KIT P/N 230-0619 IS REQUIRED FOR INSTALLATION AND MUST BE ORDERED SEPARATELY
 - (4) INCLUDES SLIDE PIN VIBRATION DAMPENERS

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

GM IRON METRIC CALIPER

Caliper Highlights:

These all new cast, not rebuilt iron calipers are bolt-on replacements for 1978 and later **GM Metric** calipers widely used in "spec" racing categories and low cost disc brake conversions.

Wilwood iron **GM Metric** calipers combine new part quality with modern machining precision. There are two piston size options to assist builders with properly building static bias into a car. Previously, builders using the metric calipers generally had to mount the same size calipers on all four wheels. This drastically limited the tuning options and often created front to rear bias ratios that were not conducive to good handling and stability under hard braking. Some builders, and other brake suppliers, chose to offer re-machined OE calipers to provide a bias tuning option. Unfortunately, re-machining a used casting that was never designed for the larger bore size, can create real compromises in strength, reliability, and performance.

To address these needs, Wilwood has tooled two separate castings that are fitted with either 2.75" or 2.00" stainless steel pistons and high temperature bore seals. Each casting is designed specific for its intended bore size. The calipers are strong and precise, without unnecessary added weight from oversized castings. The stainless steel pistons resist corrosion while helping to slow the heat transfer from the pads. The high temperature seals provide long service life when used in hard braking applications and maintain their resilience to provide positive piston retraction on release. In addition to the optional piston sizes, two models are available with slide pin vibration dampers installed to help reduce rattle and other noise.

All Wilwood **GM Metric** Calipers use the standard D154 type brake pads. The complete range of Wilwood high performance and racing pad compounds is available to match response, friction, and temperature range to any application.

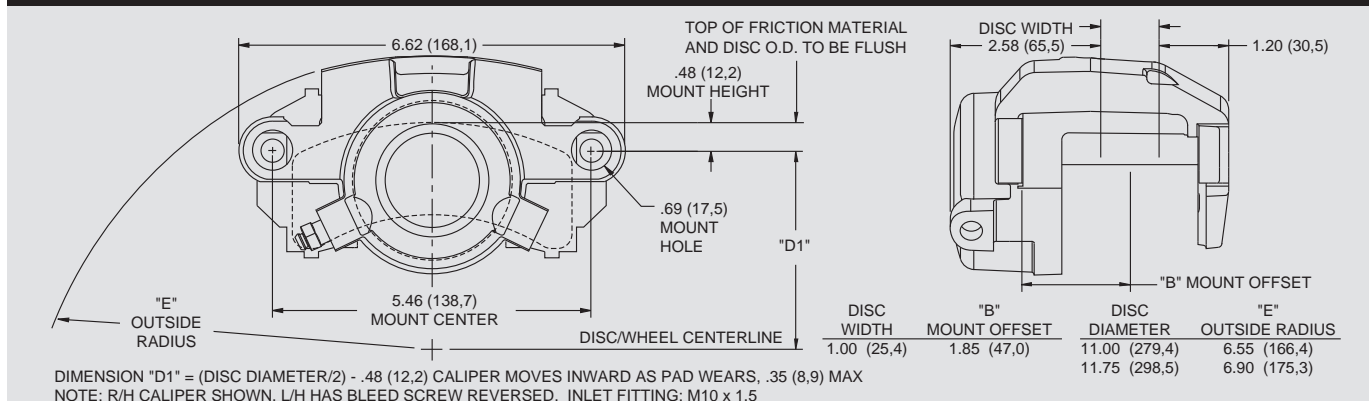


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CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		WEIGHT (LBS)	PART NUMBER ^(2,3)
2.75"	69,9 mm	1.00"	24,4 mm	4.4	120-8924
2.75"	69,9 mm	1.00"	25,4 mm	4.4	120-8926 ⁽⁴⁾
2.00"	50,8 mm	1.00"	25,4 mm	4.1	120-9333

GM IRON METRIC CALIPER, MOUNTING DIMENSIONS:



GM IRON METRIC BRAKE PAD TYPE D154 - PAD VOLUME "INNER" = 2.7 CU. IN. / - PAD VOLUME "OUTER" = 3.2 CU. IN.:



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	O-RING KIT (4 PK)	BLEED SCREW KIT (EA)	SLIDE PIN KIT (4 PK)
120-8924	200-6633 (2.75")	130-4955	220-8932	230-0619
120-8926	200-6633 (2.75")	130-4955	220-8932	230-0619
120-9333	200-9342 (2.00")	130-0777	220-8932	230-0619

- NOTES:
- (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
 - (2) THE CALIPER PART NUMBERS ARE THE SAME FOR LEFT OR RIGHT MOUNTING. BLEED SCREW AND INLET FITTINGS MUST BE INSTALLED IN THE CORRECT POSITION DURING ASSEMBLY ON THE VEHICLE.
 - (3) CALIPER SLIDE PIN BOLTS, P/N 230-0619 (4 BOLTS PER KIT) ARE REQUIRED FOR INSTALLATION AND MUST BE ORDERED SEPARATELY.
 - (4) THESE CALIPERS INCLUDE SLIDE PIN VIBRATION DAMPERS.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



DYNAPRO FORGED BILLET RADIAL MOUNT CALIPERS

Caliper Highlights:

DynaPro four piston radial mount calipers combine pure race technology with a new generation of Wilwood performance enhancements. The **DynaPro** combines the versatility of radial mounting with a sleek profile, superior strength, and extreme durability in adverse conditions. With an overall weight as light as 3.58 pounds, the DynaPro has become a favored choice for a broad range of sports, rally, and off-road driving applications.

The strength of the **DynaPro** is a combination of process and design. The process of stress-flow forging re-aligns the internal grain structure of the metal to flow within the contour of the caliper body. This produces a part with superior strength over machined block billet parts or castings. The FEA generated body design features a radial transition between the piston bores and caliper bridges. This eliminates machined steps and shoulders in this critical strength area and substantially increases the resistance against deflection and body separation under high load. Structural deflection and volume displacement testing have proven the efficiency of this innovative design. The bottom line is a firm pedal with outstanding stopping power.



Black Anodized

Red Powder

The **DynaPro** is available in four configurations. Standard calipers for rotors up to 12.19" feature dust-booted aluminum pistons for maximum protection against track or road born debris in low to intermediate temperature applications. A long radius version is available to accommodate rotors up to 13.00". Competition models use heavy wall stainless pistons to provide addition protection against corrosion and heat transfer from the pads. All **DynaPro** calipers can also be optioned with Thermlock pistons for maximum thermal protection in sustained high-heat applications. Optional side inlet calipers are available to simplify plumbing with inboard mounted brakes on live axles and independent suspension rears.

DynaPro calipers use type 7816 pads that are supported from the top by Quick-Clip pad retainers. Quick-Clips allow fast access to the pads for service without the need to dismount the caliper. The Quick-Clip design also allows additional inside radial clearance between the caliper body and the lug hub by eliminating the bottom pad support feet found on other caliper models. Side inlet **DynaPros** use additionally fortified bridge bolts in place of the Quick-Clips for the ultimate in secure pad retention within high load environments on sprint cars and other extreme duty applications.

The **DynaPro** incorporates other exclusive Wilwood performance enhancements. Stainless SRS bridge plates eliminate caliper bridge wear from pad gouging while dampening noise and vibration during engagement. Internal fluid passages eliminate the need for external crossover tubes and four corner bleed screws allow effective gas evacuation regardless of mounting location.

CALIPER ORDERING INFORMATION, DPR W/DUST BOOTED PISTONS FOR ROTORS UP TO 12.19":⁽¹⁾

BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.00"	25,4 mm	120-7381	—
1.75"	44,5 mm	.81"	20,6 mm	120-7380	—
1.75"	44,5 mm	.38" - .50"	9,7 - 12,7 mm	120-7726	—
1.62"	41,1 mm	1.00"	25,4 mm	120-7379	—
1.62"	41,1 mm	.81"	20,6 mm	120-7378 ⁽²⁾	120-7378-RD
1.50"	38,1 mm	1.00"	25,4 mm	120-7328	—
1.50"	38,1 mm	.81"	20,6 mm	120-7327 ⁽²⁾	120-7327-RD
1.50"	38,1 mm	.38" - .50"	9,7 - 12,7 mm	120-7722	—
1.38"	35,1 mm	1.00"	25,4 mm	120-7377	—
1.38"	35,1 mm	.81"	20,6 mm	120-7376	—
1.38"	35,1 mm	.38" - .50"	9,7 - 12,7 mm	120-7724	—
1.25"	31,8 mm	1.00"	25,4 mm	120-7375	—
1.25"	31,8 mm	.81"	20,6 mm	120-7374 ⁽²⁾	120-7374-RD

CALIPER ORDERING INFORMATION, DPR-13 W/DUST BOOTED PISTONS FOR ROTORS UP TO 13.00":⁽¹⁾

BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.10"	27,9 mm	120-9748	—
1.25"	31,8 mm	1.10"	27,9 mm	120-9749	—
1.00"	25,4 mm	1.10"	27,9 mm	120-9750	120-9750-RD

CALIPER ORDERING INFORMATION, DPR COMPETITION CALIPERS W/STAINLESS STEEL PISTONS:⁽¹⁾

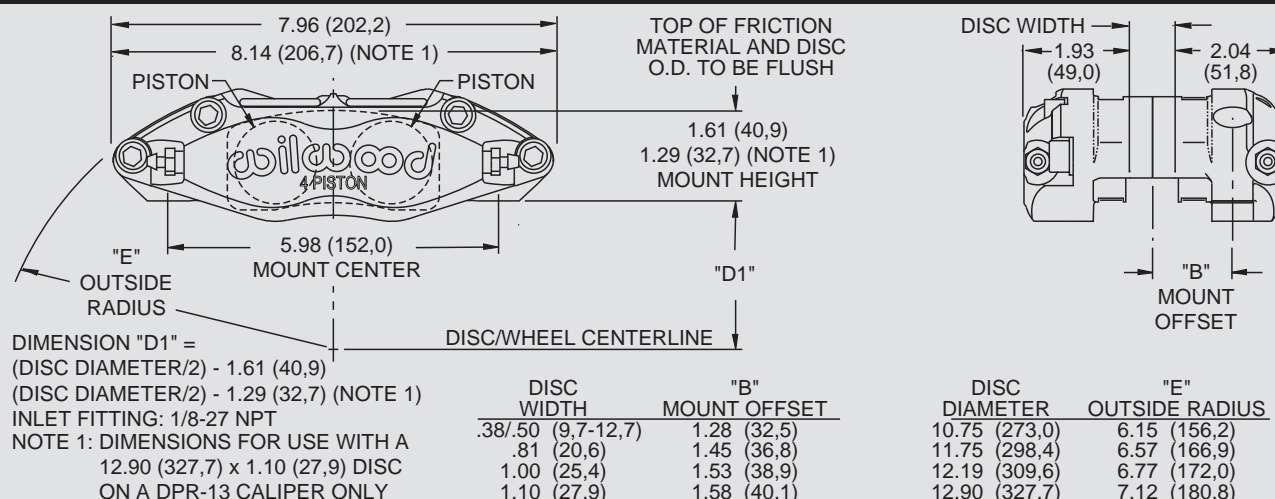
BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.00"	25,4 mm	120-8545	—
1.75"	44,5 mm	.81"	20,6 mm	120-8544-SI	—
1.75"	44,5 mm	.38" - .50"	9,7 - 12,7 mm	120-8543	—
1.75"	44,5 mm	.38" - .50"	9,7 - 12,7 mm	120-8543-SI	—
1.62"	41,1 mm	1.00"	25,4 mm	120-8542	—
1.62"	41,1 mm	.81"	20,6 mm	120-8541	—
1.38"	35,1 mm	1.00"	25,4 mm	120-8539	—
1.38"	35,1 mm	.81"	20,6 mm	120-8538	—
1.25"	31,8 mm	1.00"	25,4 mm	120-8536	—
1.25"	31,8 mm	.38" - .50"	9,7 - 12,7 mm	120-8534	—

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

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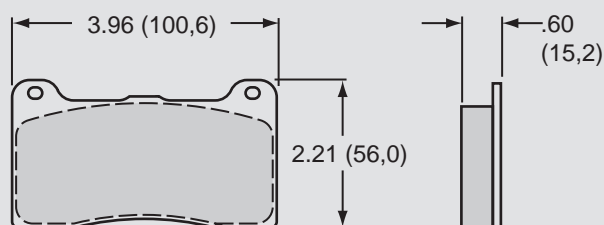
DYNAPRO RADIAL MOUNT CALIPER, MOUNTING DIMENSIONS:



RADIAL CALIPER ADAPTER BRACKETS:

Radial mount adapter brackets are used in Wilwood brake kits to provide a secure and precise method of attaching the **DynaPro** caliper to the factory mount bosses on the original spindle. For a list of specific available applications, consult the Wilwood Bolt-On Brake Kit catalog, or visit the kit section of our website @ www.wilwood.com.

DYNAPRO BRAKE PAD TYPE 7816 - PAD VOLUME = 3.0 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7263K	7816 A PolyMatrix
15A - 11932K	7816 A PolyMatrix ⁽¹⁾
15B - 7264K	7816 B PolyMatrix
15B - 11933K	7816 B PolyMatrix ⁽¹⁾
15E - 7266K	7816 E PolyMatrix
15H - 10645K	7816 H PolyMatrix
15Q - 7268K	7816 Q PolyMatrix
150 - 8946K	7816 10 BP-10 Smart Pad
150 - 9419K	7816 20 BP-20 Smart Pad
150 - 9865K	7816 30 BP-30 Smart Pad
150 - 9753K	7816 SM For Titanium Rotor
150 - 10290K	7816 CM For Titanium Rotor ⁽¹⁾

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	DUST BOOT (EA)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP (EA)
120-7327	200-7320 (1.50")	130-8372	220-6069	210-7210	210-2582	300-5876	300-7316
120-7328	200-7320 (1.50")	130-8372	220-6069	210-7210	210-2582	300-5876	300-7316
120-7374	200-7318 (1.25")	130-2479	220-6069	210-7210	210-2582	300-5876	300-7316
120-7375	200-7318 (1.25")	130-2479	220-6069	210-7210	210-2582	300-5876	300-7316
120-7376	200-7319 (1.38")	130-2658	220-6069	210-7210	210-2582	300-5876	300-7316
120-7377	200-7319 (1.38")	130-2658	220-6069	210-7210	210-2582	300-5876	300-7316
120-7378	200-7321 (1.62")	130-4346	220-6069	210-7210	210-2582	300-5876	300-7316
120-7379	200-7321 (1.62")	130-4346	220-6069	210-7210	210-2582	300-5876	300-7316
120-7380	200-7322 (1.75")	130-2655	220-6069	210-7210	210-2582	300-5876	300-7316
120-7381	200-7322 (1.75")	130-2655	220-6069	210-7210	210-2582	300-5876	300-7316
120-7722	200-7320 (1.50")	130-8372	220-6069	210-7210	210-2582	300-5876	300-7315
120-7724	200-7319 (1.38")	130-2658	220-6069	210-7210	210-2582	300-5876	300-7315
120-7725	200-7321 (1.62")	130-4346	220-6069	210-7210	210-2582	300-5876	300-7315
120-7726	200-7322 (1.75")	130-2655	220-6069	210-7210	210-2582	300-5876	300-7315
120-8534	200-7514 (1.25")	130-2479	220-6069	—	210-2582	300-5876	300-7316
120-8536	200-7514 (1.25")	130-2479	220-6069	—	210-2582	300-5876	300-7316
120-8538	200-7516 (1.38")	130-2658	220-6069	—	210-2582	300-5876	300-7316
120-8539	200-7516 (1.38")	130-2658	220-6069	—	210-2582	300-5876	300-7316
120-8541	200-7519 (1.62")	130-4346	220-6069	—	210-2582	300-5876	300-7316
120-8542	200-7519 (1.62")	130-4346	220-6069	—	210-2582	300-5876	300-7316
120-8543	200-7531 (1.75")	130-2655	220-6069	—	210-2582	300-5876	300-7315 ⁽²⁾
120-8545	200-7531 (1.75")	130-2655	220-6069	—	210-2582	300-5876	300-7311
120-9748	200-7322 (1.75")	130-2655	220-6069	210-7210	210-2582	300-5876	300-7316
120-9749	200-7318 (1.25")	130-2479	220-6069	210-7210	210-2582	300-5876	300-7316
120-9750	200-9771 (1.00")	130-4320	220-6069	210-7210	210-2582	300-5876	300-7316

NOTES: (1) THIS PAD IS MODIFIED FOR -SI CALIPERS

(2) -SI CALIPERS USE BRIDGE BOLT ASSEMBLIES INSTEAD OF PAD RETAINER CLIPS

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET NARROW MOUNT DYNAPRO CALIPER

Caliper Highlights:

Narrow Mount DynaPro (NDP) forged billet calipers represent the next generation of calipers available as an upgrade or direct replacement for the popular Narrow Mount Dynalite model series with 3.50" mounting. **NDP** calipers combine superior strength with several new performance enhancements to make these the best "Dyna" series calipers ever built.

The strength of the new **DynaPro** is a combination of process and design. **NDP** calipers are stress-flow forged from premium grade billet. Stress-flow forging realigns the grain structure of the metal within the contour of the body design. This process produces a part with superior strength over parts simply machined from straight grained blocks of billet. The FEA generated body design incorporates a highly fortified radial transition that eliminates steps and shoulders between the piston housings and the bridges. Incorporating a radius in this critical area substantially increases resistance to deflection and caliper body separation under load. For additional strength, all **NDP** calipers are fitted with center bridge bolts to provide additional resistance against separation over the center of the pads. Structural deflection and volume displacement testing have proven the efficiency of this innovative design. Reductions in overall deflection, and the subsequent decreases in fluid volume displacement, translate to increased clamping efficiency with less pedal travel. The bottom line is a firm, responsive pedal with outstanding stopping power.



Platinum-E

The **DynaPro** is loaded with other enhancements for performance and wider application. The calipers feature Quick-E-Clip pad retainers that support a 7816 type brake pad from the top. Not only does it allow for fast pad service without caliper removal, the bottom pad supports common to the earlier **NDL** models have been removed to create a slimmer profile with more bottom side clearance and easier mounting in tight clearance applications.

Heavy wall stainless steel pistons are used to resist corrosion and slow the heat transfer from the pads. The heavy wall sectional thickness also provides additional strength against backside deflection to provide a firm pedal feel with efficient clamping at all pressures.

Each **NDP** is also fitted with replaceable stainless steel SRS bridge plates. SRS plates eliminate the bridge wear caused by pad gouging to extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal during engagement. The package is completed with internal fluid passages and four corner bleed screws that simplify bleeding regardless of the mounting location.

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		PART NUMBER
1.75"	44,5 mm	1.25"	31,8 mm	120-9737
1.75"	44,5 mm	.81"	20,6 mm	120-9736
1.75"	44,5 mm	.81"	20,6 mm	120-9736-SI ⁽²⁾
1.75"	44,5 mm	.50"	12,7 mm	120-9735
1.75"	44,5 mm	.38"	9,7 mm	120-9734
1.75"	44,5 mm	.38"	9,7 mm	120-9734-SI ⁽²⁾
1.62"	41,1 mm	1.25"	31,8 mm	120-9733
1.62"	41,1 mm	.81"	20,6 mm	120-9732
1.62"	41,1 mm	.50"	12,7 mm	120-9731
1.62"	44,5 mm	.38"	9,7 mm	120-9730
1.38"	35,1 mm	1.25"	31,8 mm	120-9729
1.38"	35,1 mm	.81"	20,6 mm	120-9728
1.38"	35,1 mm	.50"	12,7 mm	120-9727
1.38"	35,1 mm	.38"	9,7 mm	120-9726
1.25"	31,8 mm	1.25"	31,8 mm	120-10522
1.25"	31,8 mm	.81"	20,6 mm	120-10521
1.12"	28,4 mm	1.25"	31,8 mm	120-9725
1.12"	28,4 mm	.81"	20,6 mm	120-9724
1.12"	28,4 mm	.38"	9,7 mm	120-9722
1.00"	25,4 mm	1.25"	31,8 mm	120-9721
1.00"	25,4 mm	.81"	20,6 mm	120-9720
1.00"	25,4 mm	.38"	9,7 mm	120-9718

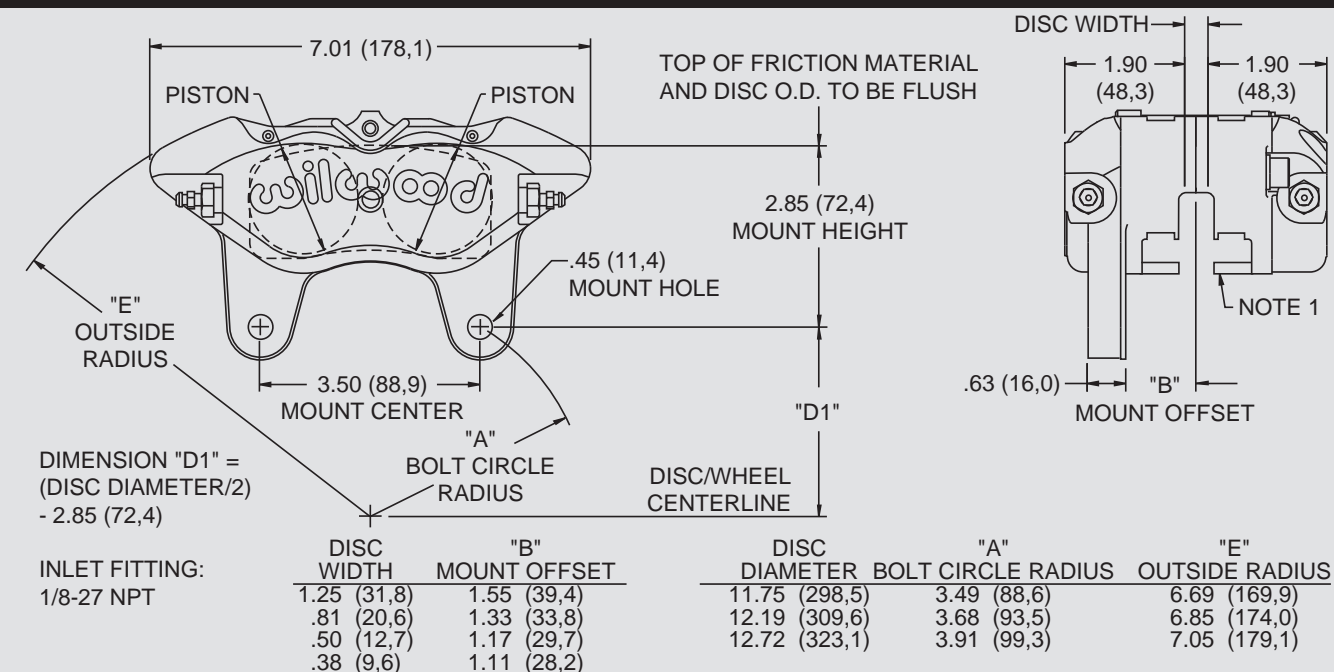
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
(2) SIDE INLET

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



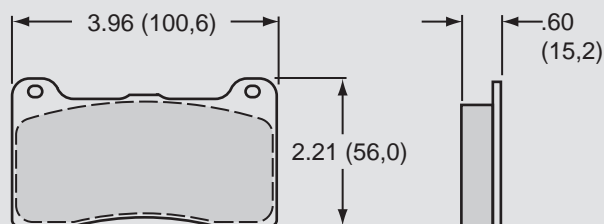
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BILLET NARROW MOUNT DYNAPRO CALIPER, MOUNTING DIMENSIONS:



NOTE: 1. POSSIBLE HAT INTERFERENCE DEPENDING ON APPLICATION

BILLET NARROW MOUNT DYNAPRO BRAKE PAD TYPE 7816 - PAD VOLUME = 3.0 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7263K	7816 A PolyMatrix
15A - 11932K	7816 A PolyMatrix ⁽¹⁾
15B - 7264K	7816 B PolyMatrix
15B - 11933K	7816 B PolyMatrix ⁽¹⁾
15E - 7266K	7816 E PolyMatrix
15H - 10645K	7816 H PolyMatrix
15Q - 7268K	7816 Q PolyMatrix
150 - 8946K	7816 10 BP-10 Smart Pad
150 - 9419K	7816 20 BP-20 Smart Pad
150 - 9865K	7816 30 BP-30 Smart Pad
150 - 9753K	7816 SM For Titanium Rotor
150 - 10290K	7816 CM For Titanium Rotor ⁽¹⁾

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)	BRIDGE BOLT KIT (EA)
120-9718	200-4657 (1.00")	130-4320	220-0627	210-2582	300-5876	300-9634	230-9982
120-9720	200-4657 (1.00")	130-4320	220-0627	210-2582	300-5876	300-9636	230-9983
120-9721	200-4657 (1.00")	130-4320	220-0627	210-2582	300-5876	300-9638	230-10116
120-9722	200-7513 (1.12")	130-2579	220-0627	210-2582	300-5876	300-9634	230-9982
120-9724	200-7513 (1.12")	130-2579	220-0627	210-2582	300-5876	300-9636	230-9983
120-9725	200-7513 (1.12")	130-2579	220-0627	210-2582	300-5876	300-9638	230-10116
120-9726	200-7516 (1.38")	130-2658	220-0627	210-2582	300-5876	300-9634	230-9982
120-9727	200-7516 (1.38")	130-2658	220-0627	210-2582	300-5876	300-9635	230-10115
120-9728	200-7516 (1.38")	130-2658	220-0627	210-2582	300-5876	300-9636	230-9983
120-9729	200-7516 (1.38")	130-2658	220-0627	210-2582	300-5876	300-9638	230-10116
120-9730	200-7519 (1.62")	130-4346	220-0627	210-2582	300-5876	300-9634	230-9982
120-9731	200-7519 (1.62")	130-4346	220-0627	210-2582	300-5876	300-9635	230-10115
120-9732	200-7519 (1.62")	130-4346	220-0627	210-2582	300-5876	300-9636	230-9983
120-9733	200-7519 (1.62")	130-4346	220-0627	210-2582	300-5876	300-9638	230-10116
120-9734	200-7531 (1.75")	130-2655	220-0627	210-2582	300-5876	300-9634	230-9982
120-9735	200-7531 (1.75")	130-2655	220-0627	210-2582	300-5876	300-9635	230-10115
120-9736	200-7531 (1.75")	130-2655	220-0627	210-2582	300-5876	300-9634	230-9982
120-9737	200-7531 (1.75")	130-2655	220-0627	210-2582	300-5876	300-9638	230-10116
120-10521	200-7514 (1.25")	130-2479	220-0627	210-2582	300-5876	300-9638	230-9982
120-10522	200-7514 (1.25")	130-2479	220-0627	210-2582	300-5876	300-9638	230-10116

NOTES: (1) THIS PAD IS MODIFIED

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• CALIPERS •



BILLET DYNAPRO 6 LUG MOUNT CALIPER

Caliper Highlights:

The **DP6** marks a noteworthy step in the evolution of the **DynaPro** caliper series. **DP6** calipers offer the performance advantages of a larger pad and a six piston differential bore configuration, with complete bolt-on interchange ability to the four piston 5.25" lug mount **DynaPro** models, and the long standing Dynalite caliper series.



As with the previous **DynaPro** models, the strength of the **DP6** is a combination of process and design. Premium grade alloy billets are stress-flow forged resulting in a highly efficient, high strength body. Stress flow forging re-aligns the internal grain structure of the metal within the contour of the caliper body. This process is proven to provide superior strength over any other process derived from castings or straight billet block machining. FEA assisted solid modeling design technology was employed to find the optimum balance between lightweight with superior strength against deflection and body separation under high load.

-  Black Powder
-  Red Powder
-  Polished

In addition to the sturdy, yet stylish body, the **DP6** incorporates race proven technology and the latest Wilwood performance enhancements. Pad clamping force is generated by six heavy wall stainless pistons configured in a leading to trailing edge differential bore pattern. The heavy wall pistons have been re-engineered to fully resist backside deflection at high pressures while maintaining balanced pad loading for even wear over the length of the pad. Stainless steel resists corrosion while inhibiting direct heat transfer from the pads to caliper body, seals, and fluid. Two choices for overall piston volume provide options to match caliper size with master cylinder output and bias requirements.

The **DP6** uses the upgraded type 6712 pad that provide the larger overall volume size from the previous Dynalite and **DynaPro** four-piston models. The pads are retaining with exclusive Wilwood Quick-E clips for simplified pad service and maintenance without caliper removal. Stainless steel SRS bridge plates are used to dampen engagement harmonics, eliminate pad rattle, and protect the caliper bridges from gouging by the pad edges. Four corner bleeds and internal fluid passages accommodate front or rear mounting and simplified gas evacuation regardless of mounting position.

Standard **DP6** calipers feature a high gloss black finish. Bright polished, high gloss red, and other custom Wilwood colors can be special ordered to add personalized style for custom applications.

CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	RH	LH
1.62 / 1.38 / 1.38"	1.10" 27,9 mm	120-10120	120-10121
41,1 / 35,1 / 35,1 mm			
1.62 / 1.38 / 1.38"	.81" 20,1 mm	120-10122 ⁽²⁾	120-10123 ⁽²⁾
41,1 / 35,1 / 35,1 mm			
1.62 / 1.38 / 1.38"	.38" 9,6 mm	120-10124	120-10125
41,1 / 35,1 / 35,1 mm			
1.62 / 1.12 / 1.12"	1.10" 27,9 mm	120-10126	120-10127
41,1 / 28,4 / 28,4 mm			
1.62 / 1.12 / 1.12"	.81" 20,1 mm	120-10128 ^(2,3)	120-10129 ^(2,3)
41,1 / 28,4 / 28,4 mm			
1.38 / 1.00 / 1.00"	1.10" 27,9 mm	120-10132	120-10133
35,1 / 25,4 / 25,4 mm			
1.38 / 1.00 / 1.00"	.81" 20,1 mm	120-10134 ⁽²⁾	120-10135 ⁽²⁾
35,1 / 25,4 / 25,4 mm			
1.38 / 1.00 / 1.00"	.38" 9,6 mm	120-10136	120-10137
35,1 / 25,4 / 25,4 mm			

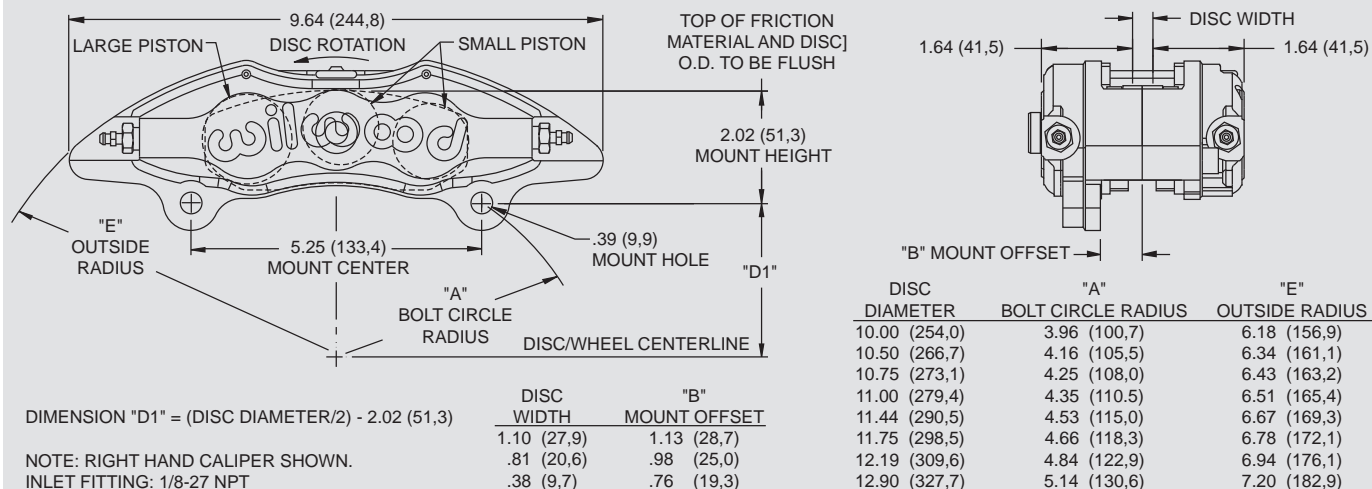
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
 (2) AVAILABLE **RED**, ADD "RD" TO END OF PART NUMBER WHEN ORDERING
 (3) AVAILABLE POLISHED, ADD "P" TO END OF PART NUMBER WHEN ORDERING

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

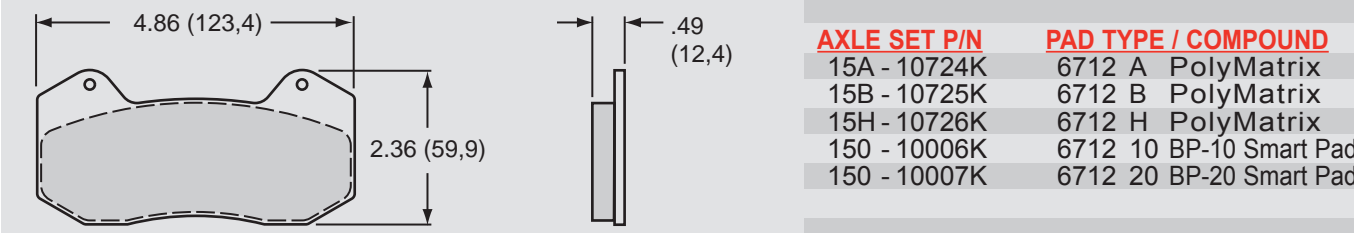


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DYNAPRO 6 LUG MOUNT CALIPER, MOUNTING DIMENSIONS:



DYNAPRO 6 BRAKE PAD TYPE 6712 - PAD VOLUME = 2.4 CU. IN.:



DYNAPRO 6 LUG MOUNT CALIPER SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (6 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)
120-10120	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7316
120-10121	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7316
120-10122	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7316
120-10123	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7316
120-10124	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7315
120-10125	200-7520 (1.62") 200-7518 (1.38")	130-10535	220-0627	210-2582	300-9707	300-7315
120-10126	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-0627	210-2582	300-9707	300-7316
120-10127	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-0627	210-2582	300-9707	300-7316
120-10128	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-0627	210-2582	300-9707	300-7316
120-10129	200-7520 (1.62") 200-8439 (1.12")	130-5972	220-0627	210-2582	300-9707	300-7316
120-10132	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7316
120-10133	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7316
120-10134	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7316
120-10135	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7316
120-10136	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7315
120-10137	200-7518 (1.38") 200-6979 (1.00")	130-10169	220-0627	210-2582	300-9707	300-7315

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET DYNAPRO LUG MOUNT CALIPER

Caliper Highlights:

The **DynaPro Lug Mount (DP)** forged billet caliper represents the newest generation of calipers available as an upgrade or replacement for applications previously using the long-standing Dynalite model series. **DP** calipers combine pure race technology with several new exclusive Wilwood performance enhancements. A sleek profile with superior strength and a fully detail machined finish provide the performance and looks for competition or show.



Black Powder

Red Powder

The strength of the **DynaPro** is a combination of process and design. The **DynaPro** is stress-flow forged from premium grade billet. Stress-flow forging realigns the grain structure of the metal within the contour of the body design. This process produces a part with superior strength over parts simply machined from straight grained blocks of billet. The FEA generated body design incorporates a highly fortified radial transition that eliminates steps and shoulders between the piston housings and the bridges. Incorporating a radius in this critical area substantially increases resistance to deflection and caliper body separation under load. Structural deflection and volume displacement testing have proven the efficiency of this innovative design. Reductions in overall deflection, and the subsequent decreases in fluid volume displacement, translate to increased clamping efficiency with less pedal travel. The bottom line is a firm, responsive pedal with outstanding stopping power.

The **DynaPro** is loaded with other enhancements for performance and wider application. The calipers feature Quick-E-Clip pad retainers that support a 7812 type brake pad from the top. Not only does it allow for fast pad service without caliper removal, the bottom pad supports have been removed to create a slimmer profile that can be more easily fitted into tight clearance applications.

Heavy wall stainless steel pistons are used to resist corrosion and slow the heat transfer from the pads. The heavy wall sectional thickness also provides additional strength against backside deflection to provide a firm pedal feel and efficient clamping, even at the high pressures generated by power boost systems.

For additional strength, all **DP** calipers can be fitted with a center bridge bolt kit to provide even greater resistance against body separation under high load. Center bridge bolts are included with all side inlet "SI" models and available as an upgrade option on all other models.

Each **DynaPro** is also fitted with Wilwood exclusive SRS bridge plates. SRS plates eliminate the bridge wear caused by pad gouging to extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal during engagement. The package is completed with internal fluid passages and four corner bleed screws that allow mounting in any front, rear, left, or right side position. Standard calipers feature Wilwood's signature bright black anodized finish to resist corrosion and maintain their high tech style.

CALIPER ORDERING INFORMATION:⁽¹⁾

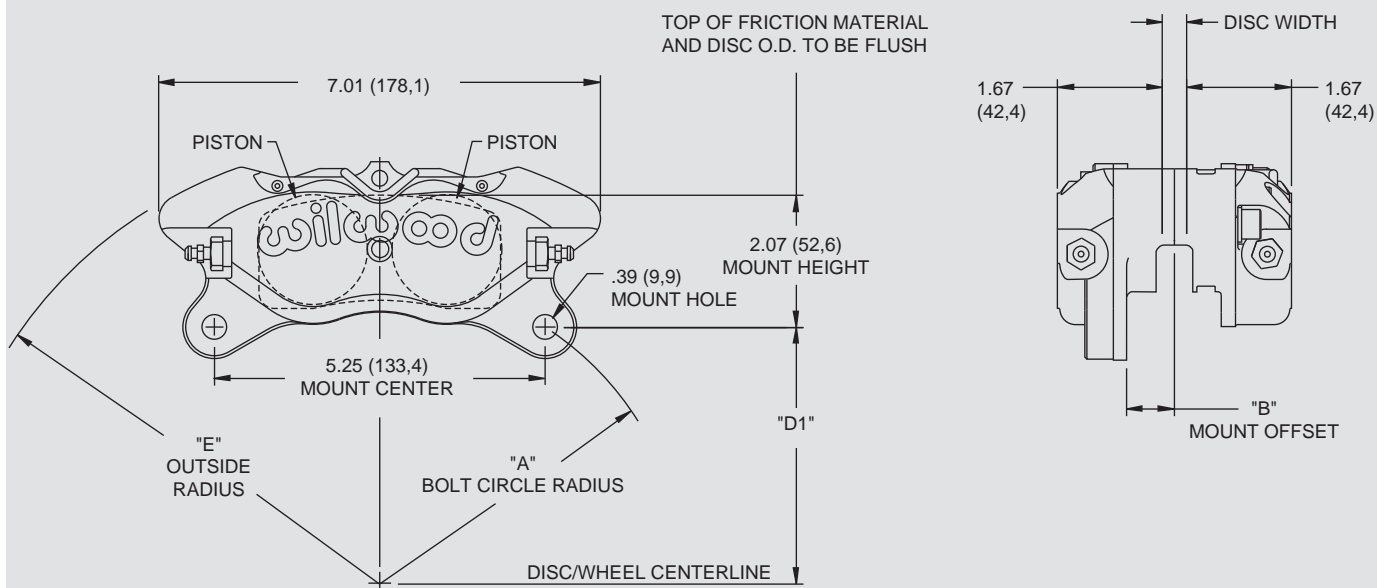
BORE SIZE		DISC WIDTH		BLACK PART NUMBER ⁽²⁾	RED PART NUMBER ⁽²⁾
1.75"	44,5 mm	1.25"	31,8 mm	120-9691	—
1.75"	44,5 mm	1.00"	25,4 mm	120-9692	—
1.75"	44,5 mm	.81"	20,6 mm	120-9693	120-9693-RD
1.75"	44,5 mm	.81"	20,6 mm	120-9693-SI	—
1.75"	44,5 mm	.50"	12,7 mm	120-9694	—
1.75"	44,5 mm	.38"	9,7 mm	120-9695	—
1.75"	44,5 mm	.38"	9,7 mm	120-9695-SI	—
1.38"	35,1 mm	1.25"	31,8 mm	120-9701	—
1.38"	35,1 mm	1.00"	25,4 mm	120-9702	—
1.38"	35,1 mm	.81"	20,6 mm	120-9703	120-9703-RD
1.38"	35,1 mm	.81"	20,6 mm	120-9703-SI	—
1.38"	35,1 mm	.50"	12,7 mm	120-9704	—
1.38"	35,1 mm	.38"	9,7 mm	120-9705	—
1.38"	35,1 mm	.38"	9,7 mm	120-9705-SI	—
1.00"	25,4 mm	1.00"	25,4 mm	120-10751	—
1.00"	25,4 mm	.81"	20,6 mm	120-9706	120-9706-RD

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

(2) BRIDGE BOLT KIT OPTIONAL, EXCEPT ON -SI (SIDE INLET) WHERE IT IS STANDARD

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

DYNAPRO LUG MOUNT CALIPER, MOUNTING DIMENSIONS:



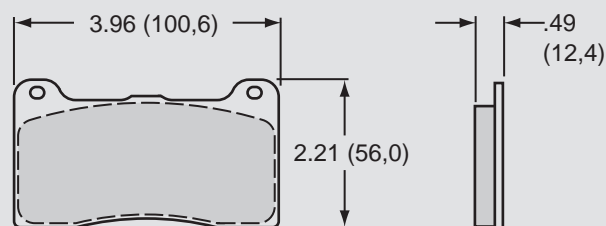
DIMENSION "D1" =
(DISC DIAMETER/2) - 2.07 (52,6)

INLET FITTING: 1/8-27 NPT

DISC WIDTH	"B" MOUNT OFFSET
.38 (9,7)	.76 (19,3)
.50 (12,7)	.82 (20,8)
.81 (20,6)	.98 (24,9)
1.00 (25,4)	1.08 (27,4)
1.25 (31,8)	1.20 (30,5)

DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
10.00 (254,0)	3.93 (99,8)	6.02 (152,9)
10.50 (266,7)	4.12 (104,6)	6.23 (158,2)
10.75 (273,1)	4.22 (107,2)	6.34 (161,0)
11.00 (279,4)	4.32 (109,7)	6.44 (163,6)
11.44 (290,6)	4.50 (114,3)	6.63 (168,4)
11.75 (298,5)	4.63 (117,6)	6.76 (171,7)
12.19 (309,6)	4.81 (122,2)	6.97 (177,0)

DYNAPRO BRAKE PAD TYPE 7812 - PAD VOLUME = 2.1 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 9835K	7812 A PolyMatrix
15B - 9836K	7812 B PolyMatrix
15E - 9837K	7812 E PolyMatrix
15H - 10644K	7812 H PolyMatrix
15Q - 10385K	7812 Q PolyMatrix
150 - 9136K	7812 10 BP-10 Smart Pad
150 - 9418K	7812 20 BP-20 Smart Pad
150 - 10020K	7812 CMFor Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)	BRIDGE BOLT KIT (EA)
120-9691	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9638	230-10119
120-9692	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9637	—
120-9693	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9636	230-10118
120-9694	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9635	—
120-9695	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9634	230-10117
120-9701	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9638	230-10119
120-9702	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9637	—
120-9703	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9636	230-10118
120-9704	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9635	—
120-9705	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9634	230-10117
120-9706	200-6979 (1.00")	130-4320	220-0627	210-2582	300-5875	300-9636	230-10118

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



BILLET DYNAPRO LUG MOUNT CALIPER W/DUST BOOTS

Caliper Highlights:

This model of the **Dynapro** lug mount caliper was developed for applications that require or prefer a dust-booted piston. Dust-booted aluminum pistons provide added protection against road or track born dirt and debris on low to intermediate temperature range applications that may also operate in harsh environments. The pistons are clear anodized to eliminate corrosion while providing added lubricity for drag-free operation within the bores. The dust boots work in conjunction with high-temperature square faced internal seals in the caliper bores to provide optimum performance, ultimate reliability, and quick turn around at pad service intervals.



Black Powder Red Polished

The strength and performance of the **DynaPro** caliper are a combination of process and design. The caliper bodies are stress-flow forged from premium grade billet aluminum. Stress-flow forging realigns the grain structure of the metal within the shape and contour of the caliper body. This process produces a part with superior strength over parts simply machined from straight-grained blocks of billet. The body design in itself is a product of computer generated modeling and stress analysis technology. It features a highly fortified radial transition between the caliper end bridges and the main body piston bore housings. The radial transition eliminates all sharply machined steps and shoulders in this critical area to substantially increase resistance to deflection and caliper body separation under load. Structural deflection and volume displacement testing have proven the efficiency of this innovative design. Reductions in overall deflection, and the subsequent decreases in fluid volume displacement, translate to increased clamping efficiency with less pedal travel. The bottom line is a firm, responsive pedal with outstanding stopping power.

The **DynaPro** is loaded with other enhancements for performance and durability. The calipers feature Quick-E-Clip pad retainers that support a 7812 type brake pad from the top. Not only does it allow for fast pad service without caliper removal, the bottom pad supports have been removed to create a slimmer profile that can be more easily fitted into tight clearance applications. An optional bridge bolt kit, P/N 230-10188 is also available to provide additional body strength and fortified pad retention in the center of the caliper bridge for extreme high pressure, high load applications.

Each **DynaPro** is also fitted with stainless SRS bridge plates. SRS plates eliminate the abutment bridge wear caused by pad gouging to extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that can contribute to pad squeal and other harsh noise during engagement. The caliper is completed with internal fluid passages and four corner bleed screws that facilitate installation in any right or left hand, leading or trailing mounting position. The calipers are then finished with either our brake fluid resistant powder coated colors, or fully polished and branded with our Wilwood signature logo.

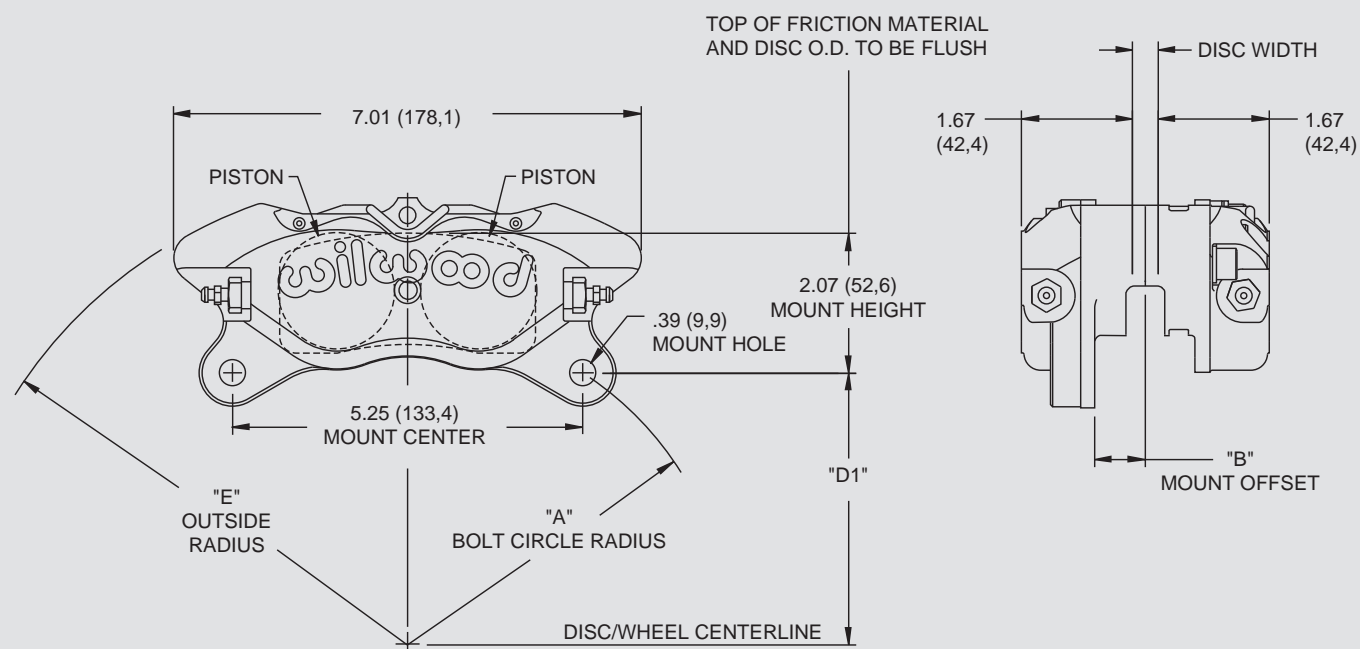
CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER	POLISHED PART NUMBER
1.75"	44,5 mm	.81"	20,6 mm	120-11482	120-11482-RD	120-11482-P
1.38"	35,1 mm	.81"	20,6 mm	120-11481	120-11481-RD	120-11481-P

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

DYNAPRO LUG MOUNT CALIPER, MOUNTING DIMENSIONS:

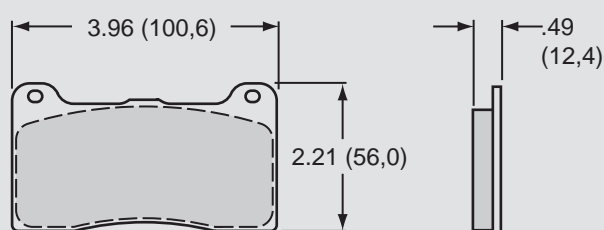


DIMENSION "D1" =
(DISC DIAMETER/2) - 2.07 (52,6)

INLET FITTING: 1/8-27 NPT

DISC WIDTH	"B" MOUNT OFFSET	DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
.38 (9,7)	.76 (19,3)	10.00 (254,0)	3.93 (99,8)	6.02 (152,9)
.50 (12,7)	.82 (20,8)	10.50 (266,7)	4.12 (104,6)	6.23 (158,2)
.81 (20,6)	.98 (24,9)	10.75 (273,1)	4.22 (107,2)	6.34 (161,0)
1.00 (25,4)	1.08 (27,4)	11.00 (279,4)	4.32 (109,7)	6.44 (163,6)
1.25 (31,8)	1.20 (30,5)	11.44 (290,6)	4.50 (114,3)	6.63 (168,4)
		11.75 (298,5)	4.63 (117,6)	6.76 (171,7)
		12.19 (309,6)	4.81 (122,2)	6.97 (177,0)

DYNAPRO BRAKE PAD TYPE 7812 - PAD VOLUME = 2.1 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 9835K	7812 A PolyMatrix
15B - 9836K	7812 B PolyMatrix
15E - 9837K	7812 E PolyMatrix
15H - 10644K	7812 H PolyMatrix
15Q - 10385K	7812 Q PolyMatrix
150 - 9136K	7812 10 BP-10 Smart Pad
150 - 9418K	7812 20 BP-20 Smart Pad
150 - 10020K	7812 CMFor Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	DUST BOOT	SQ RING (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)
120-11481	200-11483 (1.38")	210-7210	130-2658	220-0627	210-2582	300-5875	300-9636
120-11482	200-11484 (1.75")	210-7210	130-2655	220-0627	210-2582	300-5875	300-9636

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



FORGED NARROW MOUNT DYNALITE CALIPER

Caliper Highlights:

Wilwood's new **Forged Narrow Mount Dynalite** (FNDL) calipers are ideal for and widely used in many competition applications including late models, modifieds, sprints, off road and road racing. Computer generated design and stress analysis technology, is the latest innovation from Wilwood providing substantial improvements in strength and performance over all comparable caliper models.



Platinum-E

Forged Narrow Mount Dynalites are the strongest calipers in the class. The process of stress-flow forging re-aligns the metal's grain structure within the contour of the caliper body. This process eliminates the breaks and interruptions to the internal grain structure that occur when machining a straight block billet. The FEA generated radial transition design eliminates steps and shoulders in the area between the piston housing body and the caliper bridges. Incorporating a radius in this transition area substantially increases resistance to deflection and caliper separation under load. Structural deflection and volume displacement tests have proven the **Forged Narrow Mount Dynalite** to outperform all existing styles of this popular caliper size. Without even considering the overall greater strength and reliability of the forging, the reduced deflection tendencies and the resulting decrease in fluid volume displacement translate to increased clamping efficiency with less pedal travel. The bottom line is a taller pedal and better stopping power. The superior strength of this innovative design is combined with proven performance features from Wilwood's earlier designs. Each caliper is equipped with Wilwood's SRS stainless steel bridge plates. The SRS plates eliminate the bridge wear caused by pad gouging and extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal under braking. Other standard Wilwood features include high temperature seals and stainless steel pistons to eliminate corrosion and retard heat transfer from the pads. Internal fluid passages eliminate the need for external tubes. Four corner bleed screws assure simple and effective air evacuation from the system and allow one caliper to be mounted in any front, rear, right, or left position. To round out the package, FNDL calipers are finished in Wilwood's exclusive Platinum-E coating for long lasting protection in high heat environments. Polished units are also available in select piston sizes and rotor widths.

FNDL calipers are a direct replacement for all previous Wilwood **NDL's** and similar competitive brands with 3.5" centered mounting tabs. A total of five bolts provide superior bridge strength and positive retention of the top loaded 7816 or 7216 type brake pads. The full range of PolyMatrix pad compounds is available to match the brake response and heat range requirements of any competition application.

CALIPER ORDERING INFORMATION:⁽¹⁾

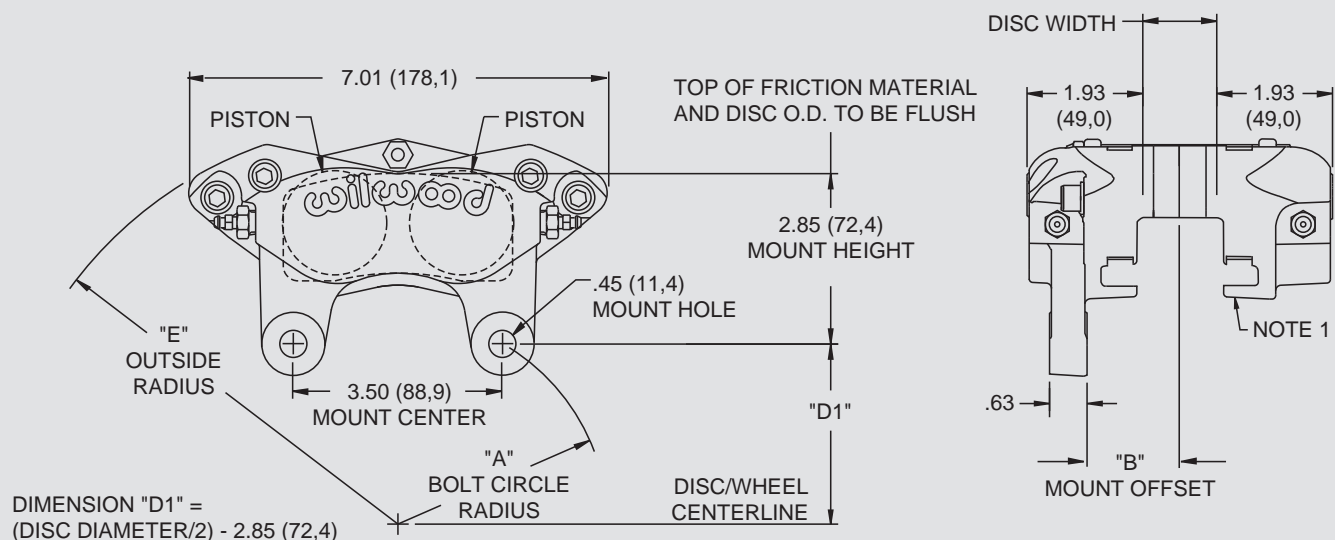
BORE SIZE		DISC WIDTH		PART NUMBER
1.75"	44,5 mm	1.25"	31,8 mm	120-11573
1.75"	44,5 mm	.81"	20,6 mm	120-11572
1.75"	44,5 mm	.81"	20,6 mm	120-11572-SI ⁽²⁾
1.75"	44,5 mm	.38"	9,7 mm	120-11571
1.75"	44,5 mm	.38"	9,7 mm	120-11571-SI ⁽²⁾
1.38"	35,1 mm	1.25"	31,8 mm	120-11576
1.38"	35,1 mm	.81"	20,6 mm	120-11575
1.38"	35,1 mm	.38"	9,7 mm	120-11574
1.12"	28,4 mm	1.25"	31,8 mm	120-11579
1.12"	28,4 mm	.81"	20,6 mm	120-11578
1.12"	28,4 mm	.81"	20,6 mm	120-11578-P
1.12"	28,4 mm	.38"	9,7 mm	120-11577
1.12"	28,4 mm	.38"	9,7 mm	120-11577-P

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION
(2) SIDE INLET

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



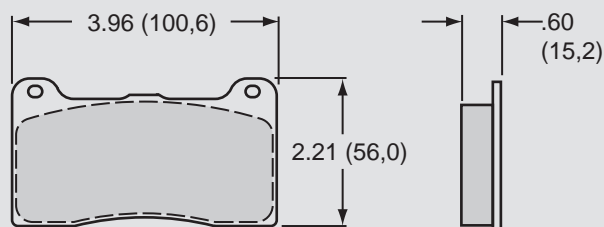
FORGED NARROW DYNALITE CALIPER, MOUNTING DIMENSIONS:



INLET FITTING: 1/8-27 NPT

DISC WIDTH	"B" MOUNT OFFSET	DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
1.25 (31,8)	1.55 (39,4)	11.75 (298,5)	3.49 (88,6)	6.74 (171,2)
.81 (20,6)	1.33 (33,8)	12.19 (309,6)	3.69 (93,7)	6.94 (176,3)
.50 (12,7)	1.17 (29,7)			
.38 (9,6)	1.11 (28,2)			

BILLET NARROW MOUNT DYNALITE BRAKE PAD TYPE 7816 - PAD VOLUME = 3.0 CU. IN.:



REPLACES PAD TYPE 7216

AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7263K	7816 A PolyMatrix
15B - 7264K	7816 B PolyMatrix
15E - 7266K	7816 E PolyMatrix
15Q - 7268K	7816 Q PolyMatrix
150 - 8946K	7816 10 BP-10 Smart Pad
150 - 9419K	7816 20 BP-20 Smart Pad
150 - 9865K	7816 30 BP-30 Smart Pad
150 - 9753K	7816 SM For Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	BODY SPACER EACH	BLEED SCREW KIT (4 PK)	SRS BRIDGE PLATE (EA)	SQ RING KIT (4 PK)	BODY SEAL
120-11571	200-7531 (1.75")	—	220-0627	300-5876	130-2655	210-2582
120-11571-SI	200-7531 (1.75")	—	220-0627	300-5876	130-2655	210-2582
120-11572	200-7531 (1.75")	300-4919	220-0627	300-5876	130-2655	210-2582
120-11572-SI	200-7531 (1.75")	300-4919	220-0627	300-5876	130-2655	210-2582
120-11573	200-7531 (1.75")	300-4919	220-0627	300-5876	130-2655	210-2582
120-11574	200-7516 (1.38")	—	220-0627	300-5876	130-2658	210-2582
120-11575	200-7516 (1.38")	300-4919	220-0627	300-5876	130-2658	210-2582
120-11576	200-7516 (1.38")	300-4919	220-0627	300-5876	130-2658	210-2582
120-11577	200-7513 (1.12")	—	220-0627	300-5876	130-2579	210-2582
120-11577-P	200-7513 (1.12")	—	220-0627	300-5876	130-2579	210-2582
120-11578	200-7513 (1.12")	300-4919	220-0627	300-5876	130-2579	210-2582
120-11578-P	200-7513 (1.12")	300-4919	220-0627	300-5876	130-2579	210-2582
120-11579	200-7513 (1.12")	300-4919	220-0627	300-5876	130-2579	210-2582

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



FORGED BILLET DYNALITE CALIPER

Caliper Highlights:

The **Forged Billet Dynalite** has wide spread application over many forms over motorsports. It serves as the base model in the majority of Wilwood's Bolt-On Disc Brake Kits. The latest applied developments and innovations in caliper design and manufacturing processes have resulted in substantial improvements in strength and performance over all comparable models.

Forged Dynalites are the strongest calipers in the class, with weights starting at 2.80 pounds. The process of stress-flow forging re-aligns the metal's grain structure within the contour of the caliper body. This process eliminates the breaks and interruptions to the internal grain structure that occur when machining a straight block billet.

The FEA generated radial transition design eliminates steps and shoulders in the area between the piston housing body and the caliper bridges. Incorporating a radius in this transition area substantially increases resistance to deflection and caliper separation under load. Structural deflection and volume displacement tests have proven the **Forged Dynalite** to outperform all existing styles of this popular caliper size. Without even considering the overall greater strength and reliability of the forging, the reduced deflection tendencies and the resulting decrease in fluid volume displacement translate to increased clamping efficiency with less pedal travel. The bottom line is a taller pedal and better stopping power.



Red Powder Polished Platinum-E

The superior strength of this innovative design is combined with proven performance features from Wilwood's earlier designs. Each caliper is equipped with Wilwood's SRS stainless steel bridge plates. The SRS plates eliminate the bridge wear caused by pad gouging and extend the service life of the caliper body. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal under braking. Other standard Wilwood features include high temperature seals and stainless steel pistons to eliminate corrosion and retard heat transfer from the pads. Internal fluid passages eliminate the need for external tubes. Four corner bleed screws assure simple and effective air evacuation from the system and allow one caliper to be mounted in any front, rear, right or left position. Standard race calipers feature Wilwood's signature bright black anodized finish to resist corrosion and maintain their high tech style. Polished calipers (shown above) are also available for custom show car applications.



Forged Dynalite calipers are a direct replacement for all Wilwood Dynalite and similar competitive brand calipers with 5.25" centered mounting lugs. The **Forged Dynalite** uses the same 7112 type brake pad used in all earlier versions of this caliper. The full range of Wilwood pad compounds is available to match brake response and heat range to any application.

THERMLOCK T1 SHORT TRACK PISTON:

Wilwood's unique **Thermlock® T1** Short Track Piston is an optional feature on our **Billet Dynalite** calipers, for complete details, please refer to page 109.

1.75" (44,5 mm) Diameter - Order P/N: 200-7552

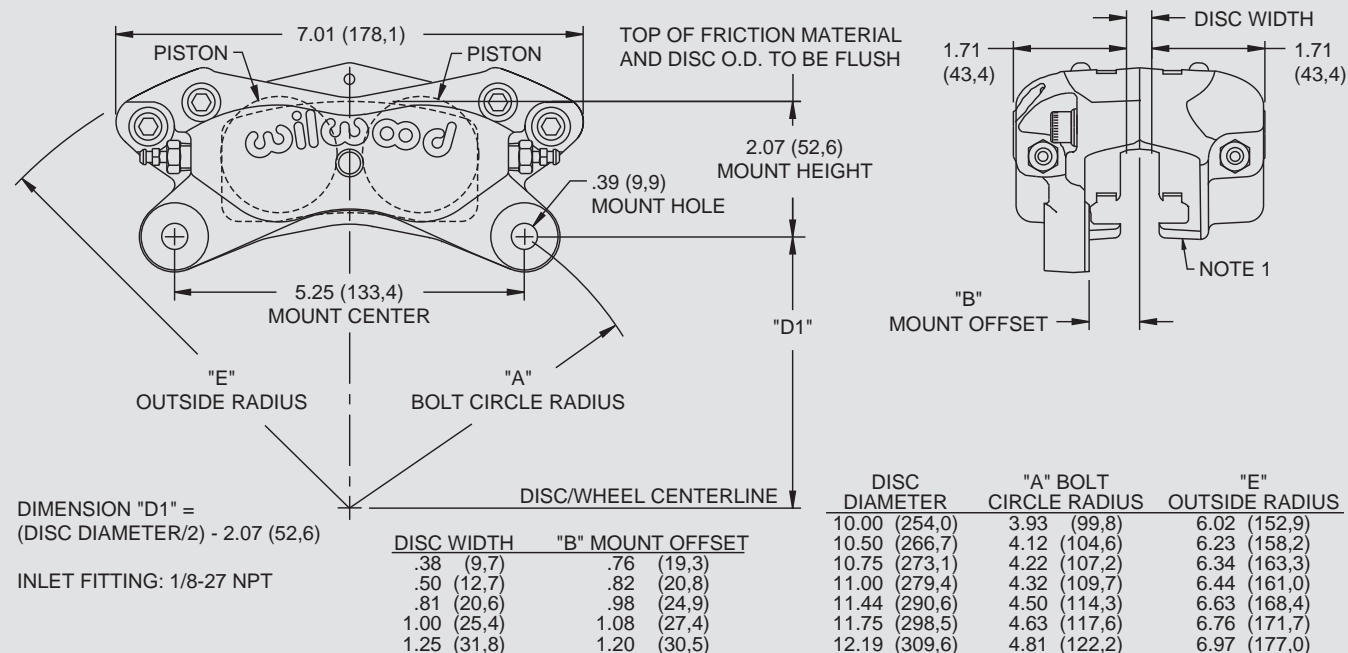
CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		PLATINUM-E PART NUMBER	POLISHED PART NUMBER	RED PART NUMBER
1.75"	44,5 mm	1.25"	31,8 mm	120-6814	—	—
1.75"	44,5 mm	1.00"	25,4 mm	120-6815	—	—
1.75"	44,5 mm	.81"	20,6 mm	120-6816	—	120-6816-RD
1.75"	44,5 mm	.50"	12,7 mm	120-6817	—	—
1.75"	44,5 mm	.38"	9,7 mm	120-6818	—	—
1.62"	41,1 mm	1.00"	25,4 mm	120-6810	120-6795-P	—
1.62"	41,1 mm	.81"	20,6 mm	120-6811	120-6796-P	120-6811-RD
1.62"	41,1 mm	.38"	9,7 mm	120-6813	120-6798-P	—
1.38"	35,1 mm	1.25"	31,8 mm	120-6804	—	—
1.38"	35,1 mm	1.00"	25,4 mm	120-6805	—	—
1.38"	35,1 mm	.81"	20,6 mm	120-6806	120-6791-P	120-6806-RD
1.38"	35,1 mm	.50"	12,7 mm	120-6807	120-6792-P	—
1.38"	35,1 mm	.38"	9,7 mm	120-6808	—	—

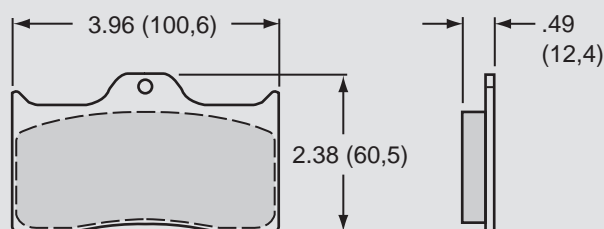
NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

FORGED DYNALITE CALIPER, MOUNTING DIMENSIONS:



DYNALITE BRAKE PAD TYPE 7112 - PAD VOLUME = 2.1 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5734K	7112 A PolyMatrix
15B - 3991K	7112 B PolyMatrix
15C - 4415K	7112 C PolyMatrix
15E - 6096K	7112 E PolyMatrix
15H - 8291K	7112 H PolyMatrix
15Q - 6824K	7112 Q PolyMatrix
150 - 8850K	7112 10 BP-10 Smart Pad
150 - 9413K	7112 20 BP-20 Smart Pad
150 - 9863K	7112 30 BP-30 Smart Pad
150 - 8450K	7112 SM For Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	COTTER PIN (10 PK)
120-6789-P	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0056
120-6791-P	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0055
120-6792-P	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0055
120-6795-P	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0056
120-6796-P	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0055
120-6798-P	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0054
120-6804	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0056
120-6805	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0056
120-6806	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0055
120-6807	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0055
120-6808	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	180-0054
120-6810	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0056
120-6811	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0055
120-6813	200-7520 (1.62")	130-4346	220-0627	210-2582	300-5875	180-0054
120-6814	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	180-0056
120-6815	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	180-0056
120-6816	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	180-0055
120-6817	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	180-0055
120-6818	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	180-0054



BILLET POWERLITE CALIPER

Caliper Highlights:

The **Powerlite** four piston radial mount caliper starts at 2.26 pounds with a sleek profile, superior strength, lightweight and durable in higher temperature situations. Easily adapted to a wide range of sports, rally, and off road driving applications.

Strength comes from a combination of process and design. The process of stress-flow forging re-aligns the metal's grain structure within the contour of the caliper body. This eliminates the stresses and interruptions to the internal grain structure that occur when machining a straight block billet. The FEA generated radial transition design eliminates steps and shoulders in the area between the piston housing body and the caliper bridges. Incorporating a radius in this critical area substantially increases resistance to deflection and caliper separation under load.

The **Powerlite** uses a new 7912 type brake pad that is supported from the top by Quick-clip pad retainers. This eliminates the need for a pad support step in the bottom of the caliper and adds additional clearance for mounting closer to the hub on small wheel and rotor applications. The pad radius matches to rotor diameters between 9.45" (240.0 mm) and 11.75" (298.5 mm), and the caliper fits easily inside many 13.00" (330.2) wheel applications. The Quick-Clips also accommodate easy pad access without caliper removal. Brake pad compounds are available for the full range of sport and competition applications.



Black Anodized

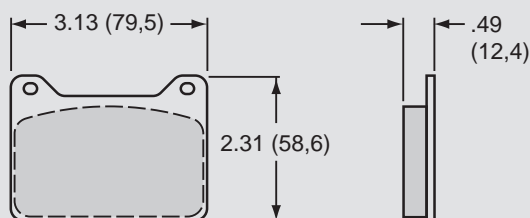
Every caliper is equipped with Wilwood's SRS stainless steel bridge plates. The SRS plates eliminate the bridge wear caused by pad gouging. The spring-loading action of the SRS plates also eliminates pad rattle and dampens the vibration harmonics that contribute to squeal under braking. Internal fluid passages eliminate the need for external tubes. Four corner bleed screws assure simple and effective air evacuation and allow one caliper to be mounted in of four positions.

Bracket kits are used to install the calipers in place of most lug mount calipers. Radial mounting simplifies service and the bracket kits provide two planes of adjustment for precise alignment over the disc. Bracket kits include the radial mount bracket, studs, locknuts, and caliper alignment shims.

CALIPER ORDERING INFORMATION:⁽¹⁾

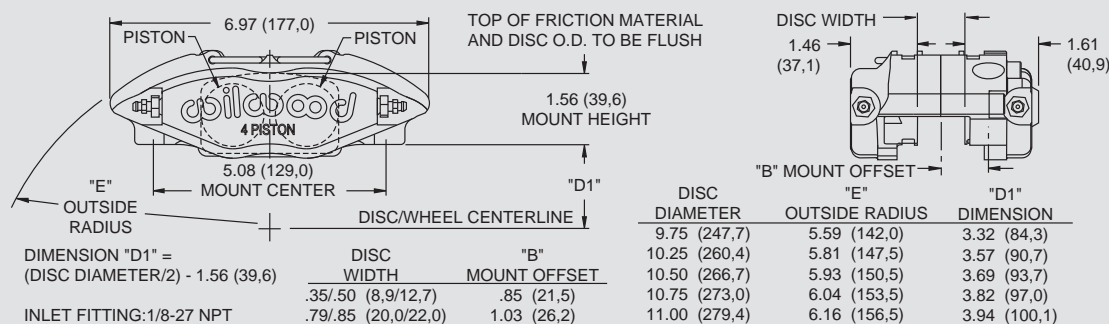
BORE SIZE		DISC WIDTH		PART NUMBER
1.38"	35,1 mm	.79" - .86"	20,1 - 21,8 mm	120-8729
1.38"	35,1 mm	.35" - .50"	8,9 - 12,7 mm	120-8726
1.25"	31,8 mm	.79" - .86"	20,1 - 21,8 mm	120-8728
1.25"	31,8 mm	.35" - .50"	8,9 - 12,7 mm	120-8725
1.00"	25,4 mm	.79" - .86"	20,1 - 21,8 mm	120-8727
1.00"	25,4 mm	.35" - .50"	8,9 - 12,7 mm	120-8724

POWERLITE BRAKE PAD TYPE 7912 - PAD VOLUME = 1.8 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 8809K	7912 A PolyMatrix
15B - 8949K	7912 B PolyMatrix
15E - 8810K	7912 E PolyMatrix
15H - 8811K	7912 H PolyMatrix
15Q - 8812K	7912 Q PolyMatrix
150 - 8813K	7912 10 BP-10 Smart Pad
150 - 9420K	7912 20 BP-20 Smart Pad

POWERLITE CALIPER, MOUNTING DIMENSIONS:



SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)
120-8724	200-8845 (1.00")	130-4320	220-6069	210-2582	300-5875	300-8697
120-8725	200-8844 (1.25")	130-2479	220-6069	210-2582	300-5875	300-8697
120-8726	200-8843 (1.38")	130-2658	220-6069	210-2582	300-5875	300-8697
120-8727	200-8845 (1.00")	130-4320	220-6069	210-2582	300-5875	300-8697
120-8728	200-8844 (1.25")	130-2479	220-6069	210-2582	300-5875	300-8697
120-8729	200-8843 (1.38")	130-2658	220-6069	210-2582	300-5875	300-8697

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

COMBINATION PARKING BRAKE CALIPER

Caliper Highlights:

Wilwood's **Combination Parking Brake (CPB) Hydra-Mechanical Caliper** uses hydraulic pressure for stopping and a mechanical locking mechanism for a parking brake. This redesigned unit provides new options for drum brake conversions and disc upgrades on rear axles that are not conducive to internal shoe systems. This caliper, when matched with the correctly proportionate rotor diameter, provides balanced bias and brake performance for use in conjunction with front wheel brake upgrades.

The **CPB** is a single piston floating design that attaches to a fixed radial mount bracket. The floating mount allows the caliper to maintain perfect alignment when the cable actuated mechanical parking brake lock is engaged and then released. The floating mount also keeps the caliper in correct alignment over the disc and prevents excessive pad knock-back on c-clip rear axles with measurable side play. As the pads wear, the caliper remains centered over the disc. Radial mounting provides nearly unlimited attachment options. Axle flange brackets can be configured to mount the caliper at any height within the compatible rotor diameter range, or lateral position relative the hat and rotor offset. The caliper is compatible with rotor diameters from 11.00" to 13.00" and is available in two models for either .81" or 1.00" width discs.



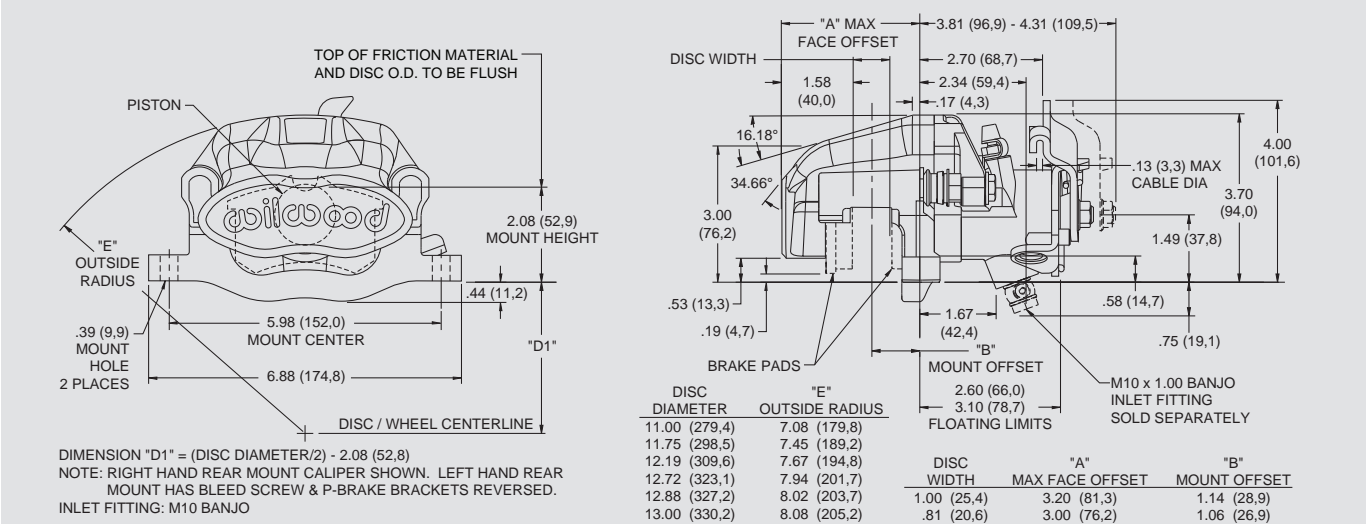
Black Powder
Red Powder

The parking brake lock is cable actuated. Connections are made with common cable ends that use a 1/2" cable housing end on the stop bracket, and a 1/8" to 9/64" cable with a crimped or welded ball end. The caliper will accept the OE cable on some vehicles. For other vehicles, new cable ends can be ordered to adapt the caliper to the vehicle's original cable system. For custom installations, aftermarket hand brake kit suppliers can easily configure the cable with the correct attachment end.

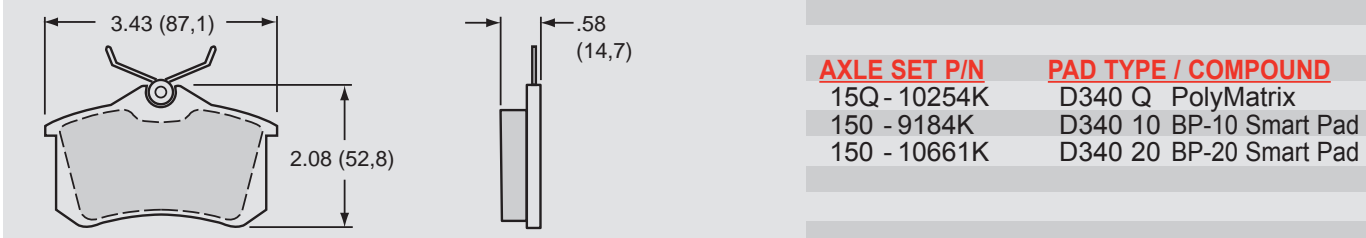
CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE		DISC WIDTH		BLACK PART NUMBER	RED PART NUMBER
1.61"	40,9 mm	1.00"	25,4 mm	120-10110 (L/H)	120-10110-RD
1.61"	40,9 mm	1.00"	25,4 mm	120-10111 (R/H)	120-10111-RD
1.61"	40,9 mm	.81"	20,6 mm	120-10112 (L/H)	120-10112-RD
1.61"	40,9 mm	.81"	20,6 mm	120-10113 (R/H)	120-10113-RD
1.34"	34,0 mm	1.00"	25,4 mm	120-9650 (L/H)	120-9650-RD
1.34"	34,0 mm	1.00"	25,4 mm	120-9793 (R/H)	120-9793-RD
1.34"	34,0 mm	.81"	20,6 mm	120-9808 (R/H)	120-9808-RD
1.34"	34,0 mm	.81"	20,6 mm	120-9809 (L/H)	120-9809-RD

COMBINATION PARKING BRAKE CALIPER, MOUNTING DIMENSIONS:



COMBINATION PARKING BRAKE CALIPER BRAKE PAD TYPE D340 - PAD VOLUME = 1.5 CU. IN.:



SERVICE PARTS ORDERING INFORMATION - PLEASE CONTACT YOUR SALES REPRESENTATIVE:

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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CALIPERS



BILLET DYNAPRO SINGLE CALIPER

Caliper Highlights:

The DynaPro Single (DPS) billet caliper is the newest generation of calipers available as an upgrade or replacement for applications previously using the Dynalite Single (DLS) Series. DPS calipers combine superior strength with performance enhancements to make these the best "Dyna" series calipers ever.

Calipers are fully CNC machined from premium grade alloy billet. The FEA generated body design incorporates a fortified transition between the piston housings and the bridges. Strengthening this critical area has substantially increased its resistance to deflection and body separation under load. Reductions in overall deflection, and the subsequent decreases in fluid volume displacement, translate to increased clamping efficiency with less pedal travel.

The DPS is loaded with exclusive Wilwood performance enhancements. The calipers feature Quick-E-Clip pad retainers that support a 6812 type brake pad from the top. In addition to fast pad service without caliper removal, this feature provides substantially stronger retention over the single Quick-Clip pin and 7012 type pads used in the previous DLS models.

The DPS uses heavy wall stainless steel pistons to resist corrosion and slow the heat transfer from the pads. The heavy wall sectional thickness improves pedal firmness and adds to the overall clamping efficiency by eliminating piston backside deflection.

Calipers are fitted with replaceable stainless steel SRS bridge plates. SRS plates eliminate bridge wear caused by pad gouging. The spring-loading action of the SRS plates eliminates pad rattle and dampens the vibration harmonics that contribute to squeal during engagement. The package is completed with internal fluid passages and four corner bleed screws that allow mounting in any front, rear, left, or right side position.

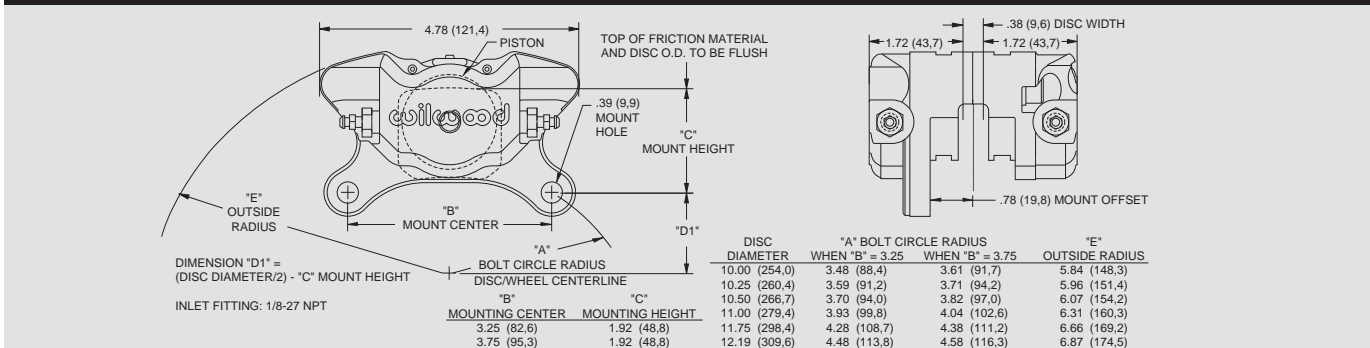


Black Anodized Polished

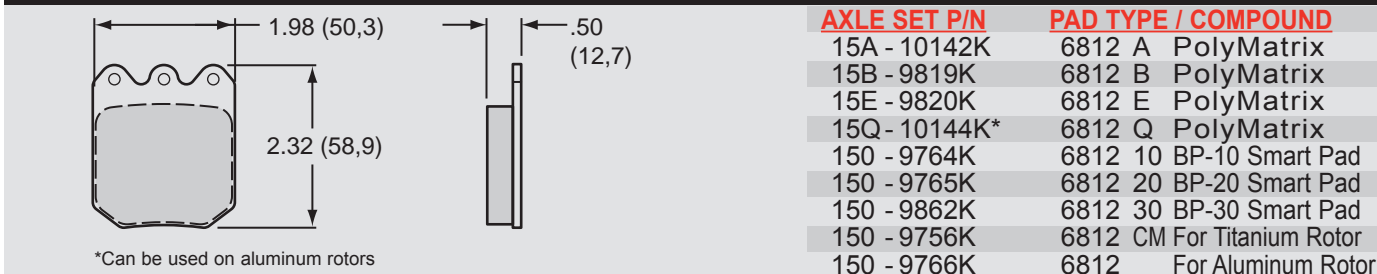
CALIPER ORDERING INFORMATION:^(1, 2)

BORE SIZE		DISC WIDTH		MOUNTING		BLACK PART NUMBER	POLISHED PART NUMBER
1.75"	44,5 mm	.38"	9,7 mm	3.75"	95,3 mm	120-9689	—
1.75"	44,5 mm	.38"	9,7 mm	3.25"	82,6 mm	120-9687	120-9687-P
1.75"	44,5 mm	.38"	9,7 mm	3.25"	82,6 mm	120-10188 ⁽³⁾	—
1.75"	44,5 mm	.19"	4,8 mm	3.75"	95,3 mm	120-9689-LP	120-9689-PLP
1.38"	35,1 mm	.38"	9,7 mm	3.75"	95,3 mm	120-9690	—
1.38"	35,1 mm	.38"	9,7 mm	3.25"	82,6 mm	120-9688	—
1.38"	35,1 mm	.19"	4,8 mm	3.25"	82,6 mm	120-9688-LP	—

BILLET DYNAPRO SINGLE CALIPER, MOUNTING DIMENSIONS:



DYNAPRO SINGLE BRAKE PAD TYPE 6812 - PAD VOLUME = 1.1 CU. IN.:



*Can be used on aluminum rotors

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW KIT (4 PK)	BODY SEAL (EA)	BRIDGE WEAR PLATE (EA)	PAD RETAINER CLIP PIN (EA)
120-9689	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9786
120-9687	200-7528 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9786
120-9689-LP	200-7530 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9786
120-9690	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9786
120-9688	200-7518 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9786
120-9688-LP	200-7568 (1.38")	130-2658	220-0627	210-2582	300-5875	300-9786
120-10188	200-7530 (1.75")	130-2655	220-0627	210-2582	300-5875	300-9786

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

(2) PART NUMBERS ARE THE SAME FOR BOTH LEFT AND RIGHT HAND, SPECIFY WHEN ORDERING

(3) LIGHT WEIGHT FOR SPRINT CARS

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

GP 320 CALIPER

Caliper Highlights:

The **GP 320** billet four piston caliper is a compact, high efficiency performer. Weighing just 1.70 pounds, it was purpose built as an upgrade with increased pad size over two piston calipers on lightweight open wheeled racecars. The **GP 320** is also well suited to other performance and racing applications including, but not limited to karts, motorcycles, mini-sprints, and formula sports racers. The **GP 320** bridge configuration will accommodate rotors between .19" and .25" thick, with overall diameters between 9.00" and 11.50".

Caliper is full CNC detail machined from premium alloy billet. FEA structural analysis technology was employed to develop a design that minimizes weight and maximizes rigidity against deflection. Full width bridges are reinforced with four, high strength steel cross bridge bolts. The cross bridge bolts are coated for corrosion resistance and provide added resistance to deflection and body separation under high loads. Internal fluid ports with a single outboard bleeder provide quick and effective evacuation of gasses and spent fluid.

Clamping force is generated by four, 1.25" diameter, stainless steel pistons. The clamping force is spread evenly over the length of the pad to minimize backing plate deflection and promote balanced pad wear. The overall piston bore area provides an increase in clamping force over similar range two piston calipers. Stainless steel is used to resist corrosion and retard the heat transfer from the brake pad to the caliper body, seals, and fluid.

The **GP 320** uses Wilwood type 6211 brake pads. The pads measure .44" (11.2mm) thick with an overall length of 2.74" (69.6mm). This represents nearly a 50% increase in pad area over some of the popular two piston calipers used on similar applications. The 6211 pad is available in PolyMatrix "H" compound which provides predictable engagement, high friction, long wear, and extreme high temperature fade resistance in the harshest conditions.

Other Wilwood performance enhancements include high temperature square faced bore seals that provide a wide sealing area with positive piston retraction on release. Quick-Clip retention pins provide easy access for pad service without caliper removal. The calipers are finished in signature Wilwood high luster black anodizing for protection against corrosion and the elements.

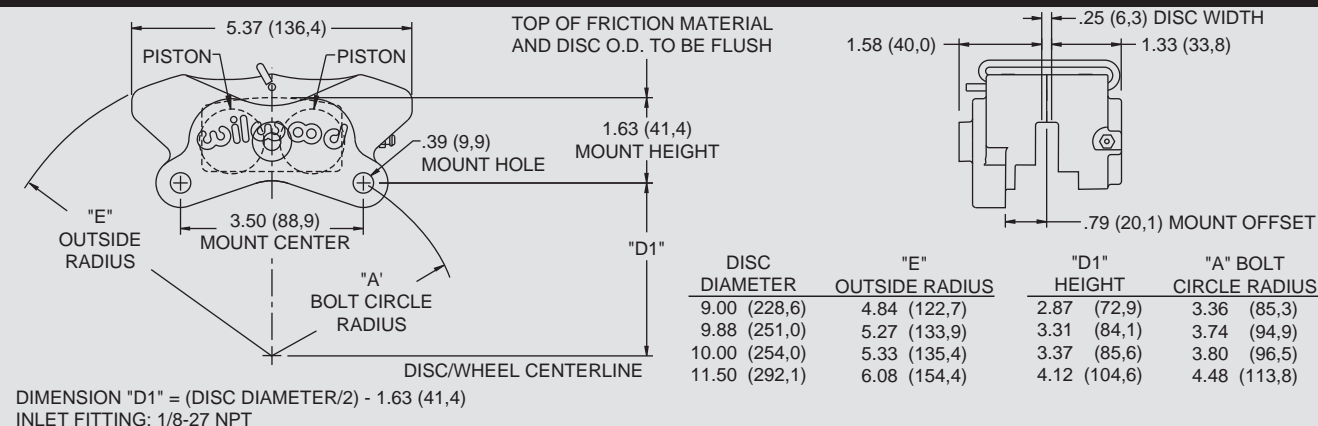


Black Anodized

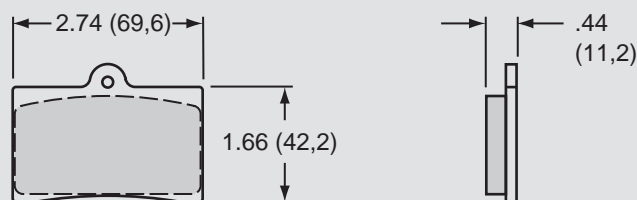
CALIPER ORDERING INFORMATION:⁽¹⁾

BORE SIZE	DISC WIDTH	RH PART NUMBER ⁽²⁾	LH PART NUMBER ⁽²⁾
1.25" 31,8 mm	.81" 20,6 mm	120-10714	120-10715
1.25" 31,8 mm	.19 - .24" 4,8 - 6,1 mm	120-8524	120-8525

GP 320 CALIPER, MOUNTING DIMENSIONS:



GP 320 BRAKE PAD TYPE 6211 - PAD VOLUME = 1.03 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
15H - 8596K	6211 H PolyMatrix
150 - 10396K	6211 CM For Titanium Rotor

SERVICE PARTS ORDERING INFORMATION:

CALIPER PART NO.	PISTON	SQ RING KIT (4 PK)	BLEED SCREW (EA)	BODY SEAL (EA)	PAD RETAINER CLIP PIN (4 PK)
120-8524	200-8488 (1.25")	130-3602	220-7496	210-2582	180-3861
120-8425	200-8488 (1.25")	130-3602	220-7496	210-2582	180-3861
120-10714	200-8488 (1.25")	130-3602	220-7496	210-2582	180-3862
120-10715	200-8488 (1.25")	130-3602	220-7496	210-2582	180-3862

NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

(2) RH AND LH ORIENTATION ARE BASED ON REAR (TRAILING) MOUNT STANDARDS FOR FRONT MOUNT APPLICATIONS, EXCHANGE THE CALIPERS RIGHT TO LEFT TO MAINTAIN AN UPRIGHT BLEED ORIENTATION

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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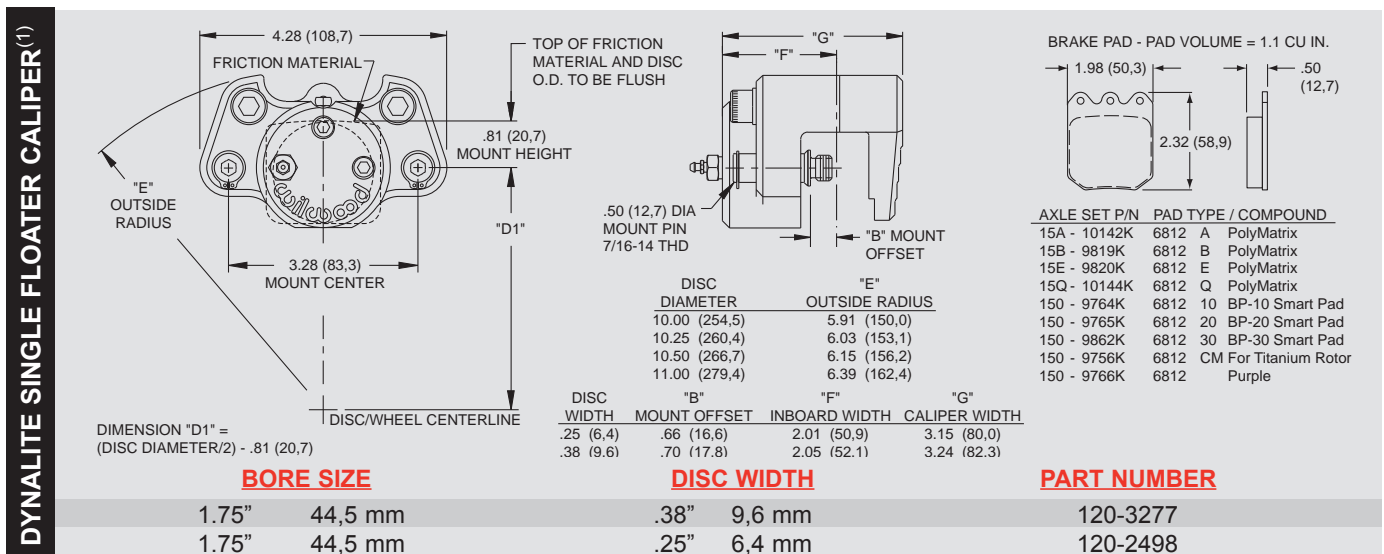
DYNALITE SINGLE FLOATER CALIPER • BILLET SPOT CALIPER

Dynalite Single Floater Highlights:

Wilwood's **Dynalite Single Floater** is a single piston billet caliper designed for Open Wheel, Drag Race, Karting and Motorcycle applications. The rigid outboard anvil half's low profile design allows it to fit in tight clearance situations where opposed piston designs will not. Weighing just 1.40 pounds, the caliper uses the same .49" thick, 1.1 cubic inch Dynalite Single quick change pads. Multiple 1/8-27 NPT inlet and bleed screw locations allow for versatile mounting positions. It comes with precision machined dry lubricated slide pins for bind-free operation. The **Dynalite Single Floater** is black anodized to resist corrosion and fits rotors from .25" to .38" wide and diameters from 6.00" to 13.00".



Black Anodized

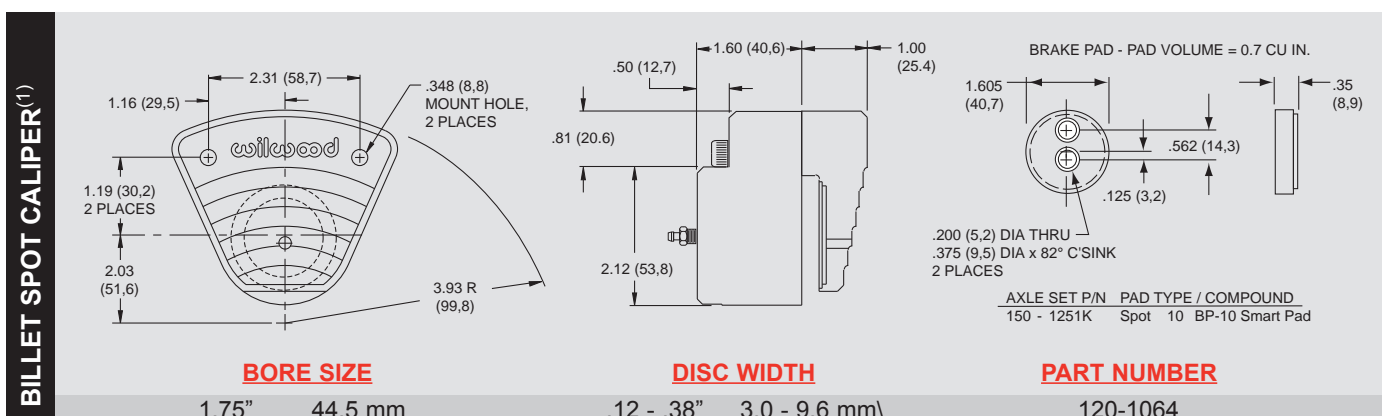


Billet Spot Highlights:

Wilwood's 1.75" diameter single piston **Billet Spot Caliper** is ideal for Micro and Mini Sprint, Kart, Off Road, Motorcycle, Drag Race Spindle Mount and industrial applications. Designed for light duty use, this floating caliper weighs just 1.20 pounds and holds a round .25" thick, .7 cubic inch brake pad, and accommodates rotors from 6.00" to 13.00" diameter and widths starting at .12". Maximum rotor width can be adjusted by specific bracket and spacer dimensions. The pads are held in place by stainless steel 10-24 x .38" long flat head cap screw (screws are included), and the caliper is available black anodized.



Black Anodized



NOTE: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

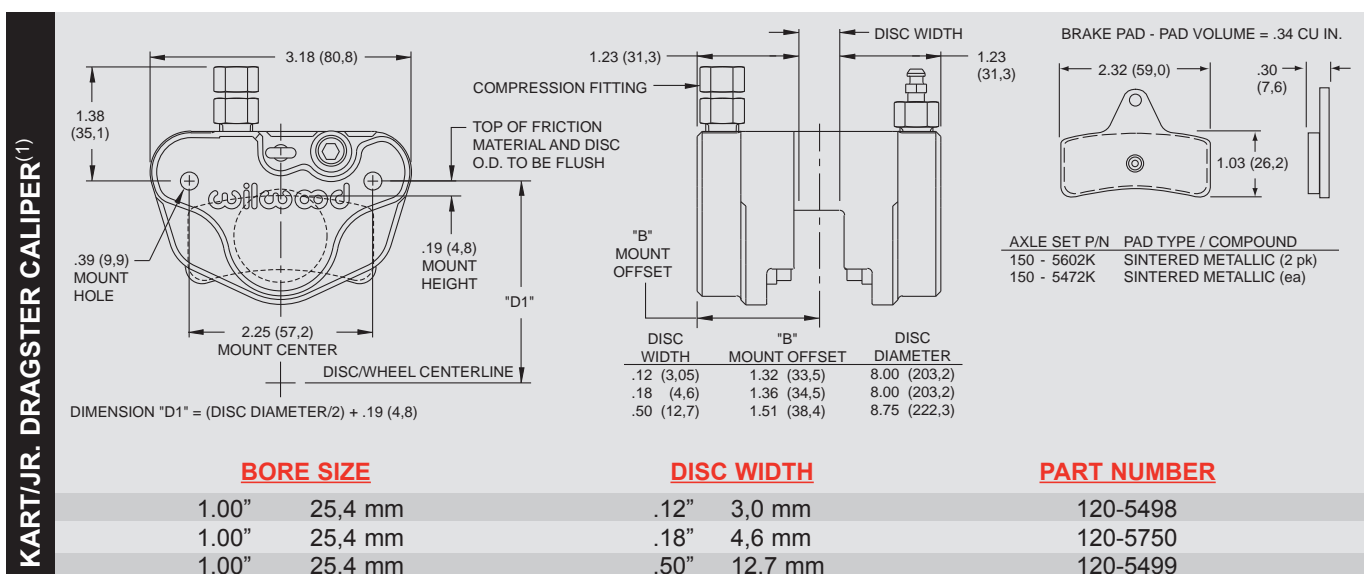
KART/JR. DRAGSTER CALIPER • PS-1 CALIPER



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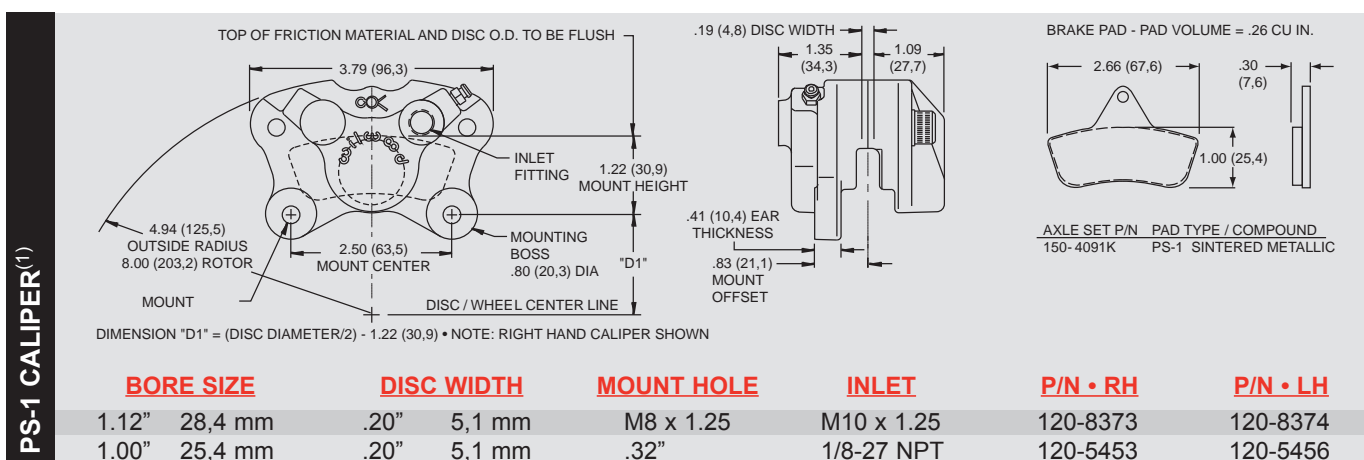
Kart/Jr. Dragster Highlights:

Our **Kart/Jr. Dragster Caliper** is designed specifically for racing. A unique self retracting and adjusting piston system has been incorporated which enables the piston to retract as the brake line pressure is reduced. The caliper can be mounted on either side of the vehicle and comes in three rotor widths. At just 1.20 pounds, the caliper comes with high performance, high friction brake pads. Additional features include deep cup stainless steel piston for reduced heat transfer, cotter pin, pad retainer, internal fluid passage and blue anodized finish. A specifically designed master cylinder is also available for use with this caliper (see page 118).



PS-1 Highlights:

The **PS-1 Caliper** is compact, lightweight (.93 pounds) and combines the strength of cast aluminum construction with a sleek low profile design. This caliper utilizes two stainless steel deep cup pistons to minimize heat transfer from the .30" thick pad to the brake fluid while employing high temperature square piston seals to control piston retraction. Internal crossover brake fluid passages eliminate the use of external crossover tubes. The PS-1 fits rotors with diameters ranging from 6.00" to 9.00", thickness sizes from .15" to .20".



NOTES: (1) REFERENCE FRONT OF MANUAL FOR GENERAL ORDERING INFORMATION

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141




• CALIPERS •



GP SERIES MOTORCYCLE CALIPERS

Caliper Highlights:

Wilwood's **GP 300**, **GP 300RT**, **GP 310** and **GP 340** motorcycle disc brake calipers have been designed and engineered for use on 1984 - present Harley-Davidson® Motorcycles. Built around a 4-piston, high performance powerhouse, these billet aluminum calipers bring distinctive, bolt-on styling: Direct leg-mounted calipers are available for all single and dual disc models (except Springer and 4-speed FL models), as well as the 1983 XR 1000.

-  Polished
-  Chrome
-  Black

Rear calipers are available for all Softail®, Dyna, and touring models, utilizing unique bracket designs that combine the right elements of strength and style.

The **GP 310** and **GP 300** calipers are available in polished, brilliant chrome or red finishes, with the added performance characteristics found in Wilwood's racing calipers: stainless steel pistons to reduce brake fade while resisting corrosion and high temperature piston seals for extended life, controlled retraction and drag free operation. Additional features include bright-finish bleed screws and hardware, exclusive pad anti-rattle clip, and brake pads designed to operate in the widest range of temperatures and environments, utilizing our industry leading stainless steel rotor compatible formulation.

GP 300 FRONT / REAR MOTORCYCLE CALIPER ORDERING INFORMATION:

DESCRIPTION		POLISHED	CHROME	BLACK
Front Left Hand Caliper (single)	1984-1999	120-3933-P	120-4243	
Front Right Hand Caliper	1984-1999	120-3945-P	120-4242	
Optional Mounting Bolt Kit, P/N: 230-4237				
Rear Caliper (bracket not included)	1984-1999	120-3935-P	120-4244	
Rear Softail® Bracket Kit (shown with caliper lower right)	1984-1999			250-4235



GP 300 Front Caliper



GP 300 Rear Caliper with Bracket (not included)

GP 300RT FRONT / REAR MOTORCYCLE CALIPER ORDERING INFORMATION:

DESCRIPTION		POLISHED	CHROME
Front Right Hand Caliper	2000-Up	120-10369-P	120-10369
Front Left Hand Caliper	2000-Up	120-10370-P	120-10370
Rear Caliper	2000-Up	120-10001-P	120-10001



GP 300 RT Rear Caliper Shown

SERVICE PARTS ORDERING INFORMATION:

DESCRIPTION	PART NUMBER
GP 300 and GP 310 Brake Pads (caliper set)	150-8733-2
GP 300 and GP 310 Seal Kit	130-3602

NOTES: HARLEY-DAVIDSON® MOTORCYCLES SPECIFIES USE OF DOT 5 SILICONE BRAKE FLUID BECAUSE OF ITS MINIMIZED IMPACT ON PAINTED SURFACES. WILWOOD DISC BRAKE CALIPERS WILL WORK WITH EITHER FLUID, **BUT NEVER** MIX DOT 5 SILICONE BRAKE FLUID WITH DOT 3, 4, OR 5.1 FLUIDS.

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



GP 310 FRONT / REAR MOTORCYCLE CALIPER ORDERING INFORMATION:

FRONT DESCRIPTION		POLISHED	CHROME	BLACK
Front Left Hand Caliper (single)	1984-1999	120-7737-P	120-7737	120-7737-BK
Front Right Hand Caliper	1984-1999	120-7736-P	120-7736	120-7736-BK
Optional Mounting Bolt Kit, P/N: 230-4237				
Front Left Hand Caliper (single)	2000-Present	120-7739-P	120-7739	120-7739-BK
Front Right Hand Caliper	2000-Present	120-7738-P	120-7738	120-7738-BK
Optional Mounting Bolt Kit, P/N: 230-6330				
REAR DESCRIPTION (Bracket Not Included)				
Rear Right Hand Caliper (Std 3.50" Mount)		120-7740-P	120-7740	120-7740-BK
Rear Left Hand Caliper (Std 3.50" Mount) ⁽¹⁾		120-7741-P	120-7741	120-7741-BK
Rear Right Hand Caliper - Sprocket Brake		120-10175-P	120-10175	120-10175-BK
Rear Left Hand Caliper - Sprocket Brake		120-10174-P	120-10174	120-10174-BK
Optional Mounting Bolt Kit, P/N: 230-4236				

NOTE: (1) USE WITH DYNA "BOTTOM" BRACKET



GP 310 Front Caliper



GP 310 Rear Caliper

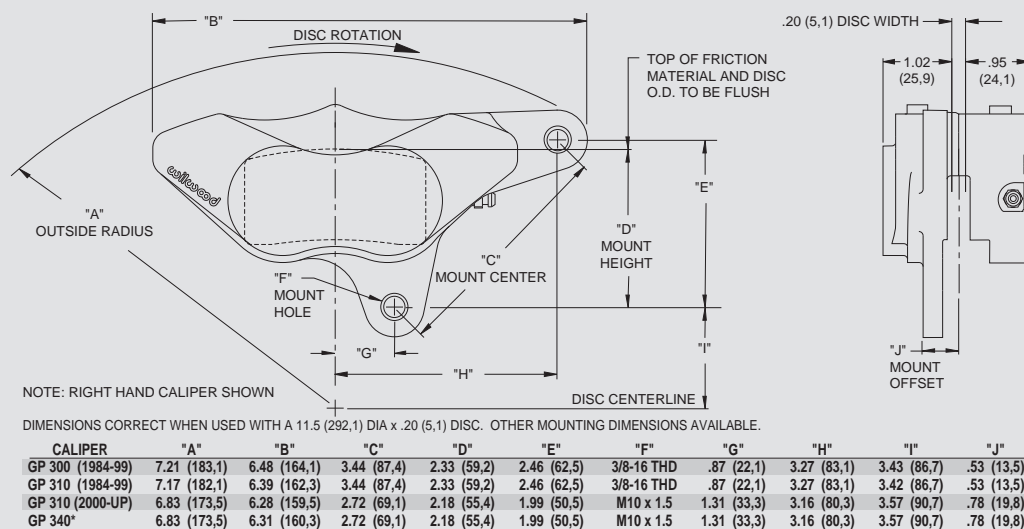
GP 340 FRONT / REAR MOTORCYCLE CALIPER ORDERING INFORMATION:

DESCRIPTION		POLISHED	CHROME
Front Right Hand Caliper	2000-Up	—	120-10099
Front Left Hand Caliper	2000-Up	—	120-10100
Rear Caliper	1984-Up	—	120-10101



GP 340 RT Front Caliper Shown

GP 310, GP 300RT, GP 340 FRONT, GP 300 FRONT/REAR, MOTORCYCLE CALIPER, MOUNTING DIMENSIONS:

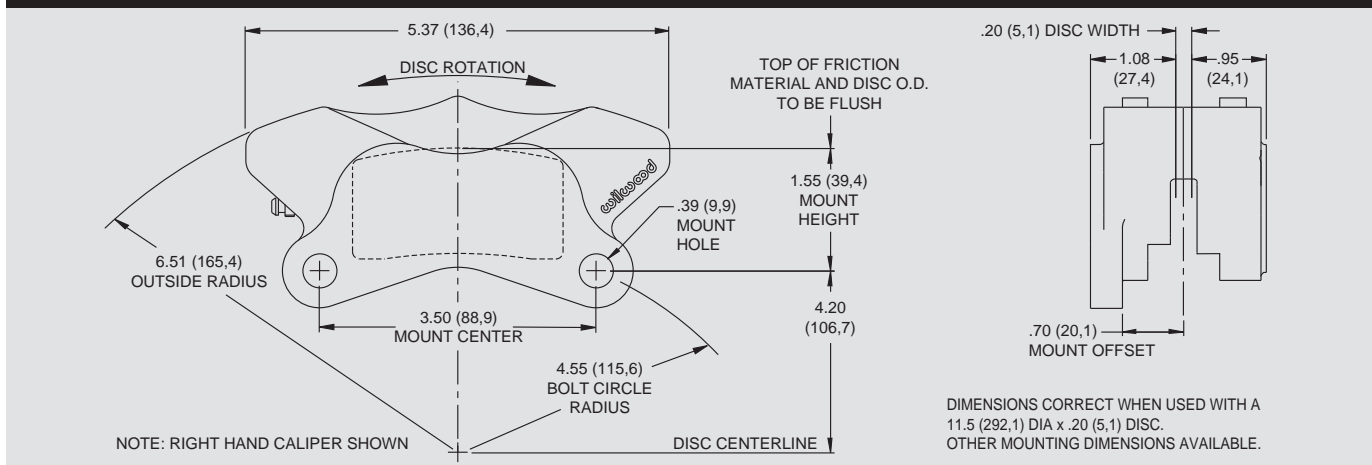


Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



GP SERIES MOTORCYCLE CALIPERS / ROTORS

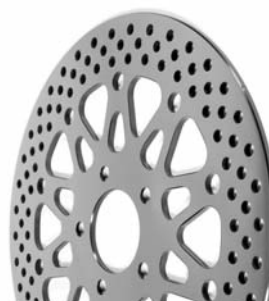
GP 310, GP 300RT, GP 340 REAR MOTORCYCLE CALIPER, MOUNTING DIMENSIONS:



GP SERIES FRONT / REAR POLISHED, SATIN, AND BLACK ROTOR ORDERING INFORMATION:

Wilwood motorcycle rotors combine the ultimate in performance and distinctive style for production bikes and full customs using OE dimension brake components. Available in three finishes, second-to-none deep mirror polish, a beautiful satin finish, or our proprietary E-coat finish. And, the stopping power you expect from the world leader in high performance brake systems.

Front and rear rotors are available for most models from 1984 through 2006 that use 11.50" diameter discs with the 5.00" X 3.25" mounting pattern. Symmetrical front rotors can be used on single or twin front caliper models.



11.50 Front Rotor



11.50 Rear Rotor

These rotors can be used as a direct replacement with the OE calipers, or coupled with Wilwood GP calipers while providing a precision fit without run-out or knock-back for smooth engagement at all speeds.

ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	MODEL YEAR	FRONT/ REAR	POLISHED PART NO.	SATIN PART NO.	BLACK PART NO.
11.50" (292,1)	.196" (5,0)	5 x 3.25" (82,6)	.344"	1984-1999	FRONT	160-9913P	160-10662	160-10662-BK
11.50" (292,1)	.196" (5,0)	5 x 3.25" (82,6)	.422"	1984-1999	REAR	160-9914P	160-10662	160-10663-BK
11.50" (292,1)	.196" (5,0)	5 x 3.25" (82,6)	.344"	2000-UP	FRONT	160-9915P	160-10664	160-10664-BK
11.50" (292,1)	.196" (5,0)	5 x 3.25" (82,6)	.422"	2000-UP	REAR	160-9916P	160-10665	160-10665-BK

GP 310, GP 300RT, GP 340 REAR MOTORCYCLE CALIPER BRACKETS ORDERING INFORMATION:

GP 310 REAR BRACKET DESCRIPTION	POLISHED	CHROME
Softail® Bracket Kit 1984-1999	250-8035-P	250-8035
Softail® Bracket Kit 2000-Present	250-8036-P	250-8036
Dyna Bracket Kit 1984-1999	250-8034-P	250-8034
Dyna Bracket Kit 2000-Present	250-8033-P	250-8033
Dyna "Bottom" Bracket Kit (1) 1984-1999	250-8252-P	250-8252
FLH / FLT Bracket Kit 2000-2006	250-10165-P	250-10165

Optional Mounting Bolt Kit, P/N: 230-4236 is included with brackets

NOTE: (1) LOCATES CALIPER ON THE BOTTOM SIDE OF THE ROTOR
USE WITH LEFT HAND GP 310 REAR CALIPER



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

STEALTH BRAKE SYSTEM FOR V-TWIN FRONT ENDS

Stealth Brake System Highlights:

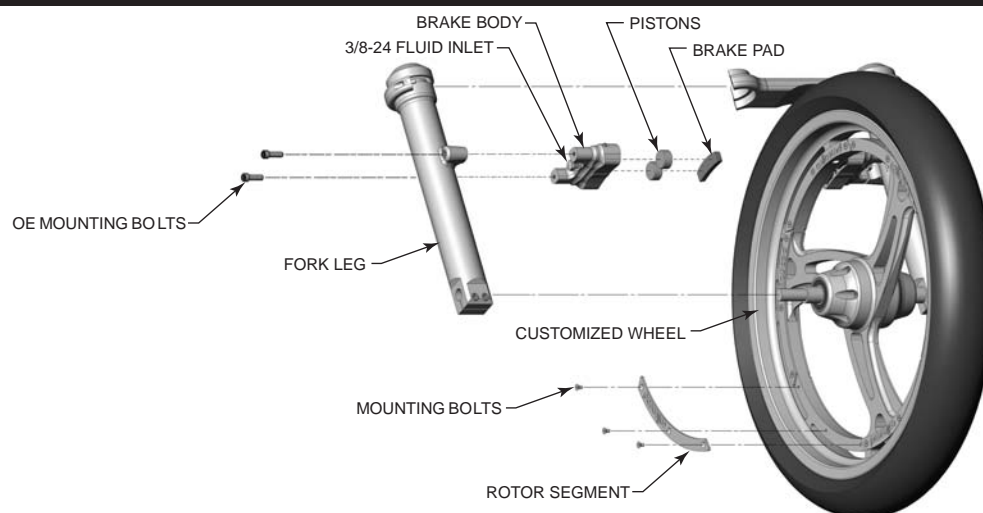
- Brakes mount up and inside the fork legs for “invisible” installation
- Billet brake bodies are available polished or chromed
- Large 18.75” diameter rotor offers great stopping power and suspension modulation
- No rotor or caliper to clutter your custom wheel
- Unlimited wheel design possibilities
- Works with, or without a fender
- Stealth is designed specifically for 21” diameter wheels
- Works with the original equipment master cylinder
- Patent pending design



Look Close to See the Stealth Brake System



STEALTH MOTORCYCLE FRONT ASSEMBLY:



STEALTH BRAKE SYSTEM ORDERING INFORMATION:

DESCRIPTION	PART NUMBER
Stealth Brake System for 41 mm Wide Glide front end - Polished	140-10107-P
Stealth Brake System for 41 mm Wide Glide front end - Chrome	140-10107

NOTES: HARLEY-DAVIDSON® MOTORCYCLES SPECIFIES USE OF DOT 5 SILICONE BRAKE FLUID BECAUSE OF ITS MINIMIZED IMPACT ON PAINTED SURFACES. WILWOOD DISC BRAKE CALIPERS WILL WORK WITH EITHER FLUID, **BUT NEVER** MIX DOT 5 SILICONE BRAKE FLUID WITH DOT 3, 4, OR 5.1 FLUIDS. CUSTOM WHEELS MUST BE DESIGNED TO ACCEPT STEALTH. REQUIRED FORK BRACE (TRUSS) IS NOT INCLUDED. CONTACT WILWOOD FOR DETAILS.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



www.wilwood.com

• CALIPERS •



BRAKE PADS

PAD COMPOUND QUICK REFERENCE GUIDE:

Wilwood brake pad compounds are the results of three decades of experience and continual development to provide optimized braking and driver feel for all types of motor sport and competition applications. This selection guide is intended to provide general characteristics and applications for each compound. The graphs on page 66 illustrate the differences in friction values and temperature ranges. On-track testing and driver evaluation however, will always remain the determining factor to final pad selection.

Compound	Performance Range Data	General Characteristics and Popular Applications
A	Heat Range: Low to X-High Cold Torque: X-High Hot Torque: X-High Wear Rate: X-Low	<ul style="list-style-type: none"> • Immediate cold response with highest friction values at all temperatures • Severe duty use on oval tracks and road courses or other applications that require immediate high response at low temperatures • Long wear rate for severe duty, sustained high temperature braking • Compatible with all iron, steel, and titanium rotors
H	Heat Range: Low to X-High Cold Torque: High Hot Torque: X-High Wear Rate: X-Low	<ul style="list-style-type: none"> • Slightly softer initial response with same high temperature friction as "A" with a steady rise in friction as temperature and pedal pressure increases • Severe duty use with long wear for oval tracks and road courses • Predictable smooth engagement at all temperatures and pedal pressures • Compatible with all iron, steel, and titanium rotors
B	Heat Range: Medium to X-High Cold Torque: Medium-High Hot Torque: High Wear Rate: Low	<ul style="list-style-type: none"> • Baseline pad for asphalt late models, modifieds, and sprints • Severe duty, high temperature dirt track applications • Intermediate duty road racing, autocross, and rally • Easily bedded without abrasion on new iron or steel rotors • Compatible with all iron, steel, and titanium rotors
C	Heat Range: Medium to X-High Cold Torque: Medium Hot Torque: Medium-High Wear Rate: X-Low	<ul style="list-style-type: none"> • Gradual rise from medium to medium high torque as temperatures increase • Long wear and high temperature fade resistance • Tuning pad for reduced response in medium to high temperature ranges • Reduced friction alternative to B • Compatible with all iron, steel, and titanium rotors
CM	Heat Range: Medium to High Cold Torque: Medium Hot Torque: Medium Wear Rate: Medium	<ul style="list-style-type: none"> • Medium to high friction sintered metallic compound with steadily increasing torque curve as temperatures rise • Good wear and friction properties with high fade resistance for special applications where intermittent high temperature spikes are observed between periods of moderate temperature braking • Best compound for specialized application titanium rotors
E	Heat Range: Low to Med-High Cold Torque: Medium-High Hot Torque: Medium-High Wear Rate: Medium	<ul style="list-style-type: none"> • Very consistent positive driver's feel over full temperature range • Baseline material for all dirt track application including super late models, modifieds, and rear inboard sprints using vented iron rotors • Standard equipment in all steel rotor drag race brake kits • Dual purpose street and track rally, auto-cross, and track day events

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



Compound	Performance Range Data	General Characteristics and Popular Applications
BP-10	Heat Range: Low to Med-High Cold Torque: Medium Hot Torque: Medium-High Wear Rate: Medium	<ul style="list-style-type: none"> • Heavy duty replacement pads with increased friction and temperature range over OE type compound pads • Standard equipment in many street performance disc conversion kits • Beds quickly and provides fast response without excessive abrasion on vented iron rotors
BP-20	Heat Range: Medium-High Cold Torque: Medium Hot Torque: High Wear Rate: Medium	<ul style="list-style-type: none"> • Medium to heavy braking dirt tracks • Advanced level track day and club sport competition • Extreme duty dual purpose street / track vehicle • High speed or heavy weight drag cars • Hobby or sportsman category asphalt racing
BP-30	Heat Range: Medium to X-High Cold Torque: Medium-High Hot Torque: High Wear Rate: Low	<ul style="list-style-type: none"> • Baseline pad for asphalt late models, modifieds, and sprints • Severe duty, high temperature dirt track applications • Intermediate duty road racing, autocross, and rally • Easily bedded without abrasion on new iron or steel rotors • Compatible with all iron, steel, and titanium rotors
Q	Heat Range: Low to Medium Cold Torque: Medium Hot Torque: Medium Wear Rate: Low	<ul style="list-style-type: none"> • Disc brake conversions on street rods, muscle cars, custom show cars and all moderate performance applications where low noise and dust are important • Best compound for specialized application aluminum rotors, and compatible with all vented iron rotors
PM	Heat Range: Low to Medium Cold Torque: Medium Hot Torque: Medium Wear Rate: Medium	<ul style="list-style-type: none"> • Speciality selected compounds for enhanced performance through increased friction properties and extended temperature range • Application specific compounds are elements of Wilwood ProMatrix pad & rotor upgrade kits • Where available, ProMatrix compounds are designated for use in OE calipers on OE or performance upgraded rotors, please see our Kit Catalog for details

BRAKE PAD BEDDING:

Bedding is a "real conditions" heat cycle and the final step in preparing the pads for service. All pads, even OE stock replacement parts, will benefit from a proper bedding cycle. Bedding can be done either in the vehicle, or on a special bedding dyno that can realistically duplicate the torque loads, pressure, and temperature that will be realized in the vehicle.

The bedding process is the final "heat cure" for the pads. This final bedding cure differs from an oven heat cure in such that the oven heat cure does not include the pressure, torque, and elevated surface temperatures that are necessary to properly condition the pad for service. New pads must be gradually brought up to temperature and then slowly cooled. If the pads are put into hard service right from the start, damage from fractures or accelerated deterioration due to extreme temperature variations between the surface and the body of the pad can occur.

Once the brake system has been tested and determined safe to operate the vehicle, follow these steps for bedding of all pad materials.

1. Begin with a series of 8-10 light stops from approx. 30 MPH down to 15 MPH allowing 20-30 seconds for cooling between each stop.
2. Progress to series of 8-10 moderate stops from around 45 MPH down to 30 MPH allowing a 20-30 second cool down period between each stop.
3. Proceed with a series of 8-10 hard stops from 55-65 MPH down to 25 MPH allowing 20-30 seconds of cool down time between each stop.
4. Drive at a moderate cruising speed, with the least amount of brake contact possible, until most of the heat has dissipated from the brakes. Avoid sitting stopped with the brake pedal depressed to hold the car in place during this time. Park the vehicle and allow the brakes to cool to ambient air temperature.

During the bedding process, a more positive feel from the brakes should develop. This is an indication that the bed in process is working. If any level of brake fade is observed during the hard stops, it may be an indication that the brakes have been more than adequately heated. Begin cooling the brakes with light driving and without brake contact immediately.

Wilwood Dyno Bedding Service: Wilwood offers computer controlled dyno bedding on many popular pads and rotors used in high temperature racing applications. Contact a dealer or factory representative for details.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

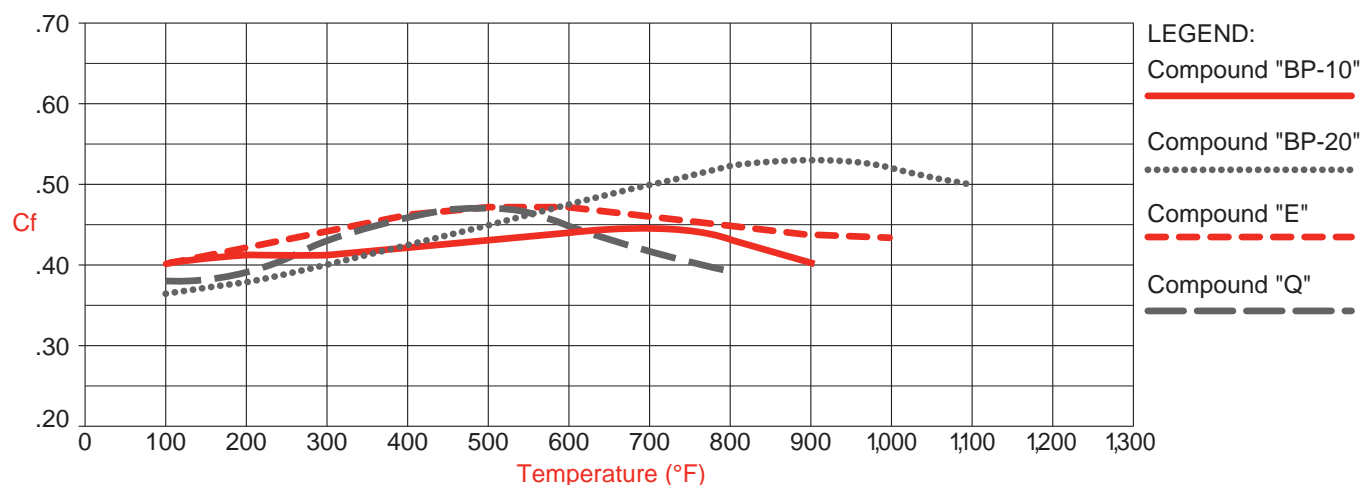
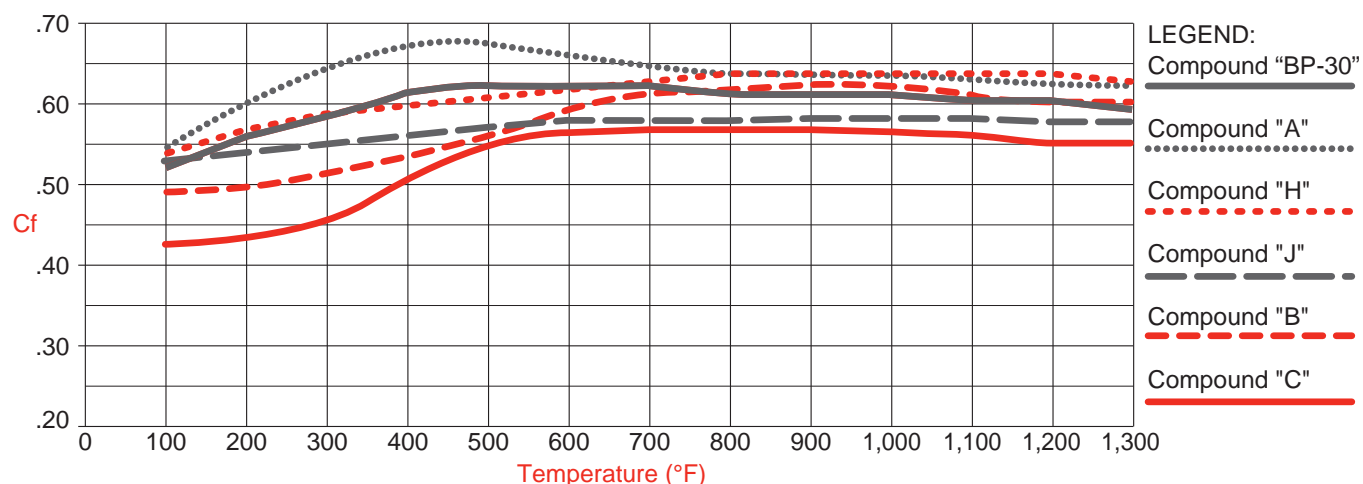


BRAKE PADS

FRICION VALUES AND TEMPERATURE RANGES:

The graphs below illustrate the differences in friction values and temperature operating ranges for each pad compound. The graphs separate the compounds by similar operating temperature ranges. Pads in the high temperature group are normally used for sustained high temperature environments as observed on asphalt oval tracks, road courses, and endurance style competition. Pads from this group can be applied to applications that see short duration, but extreme high temperature spikes. Pads in the low to medium temperature group are often found on most any dirt track applications, drag cars, and high performance disc brake conversions on dual purpose street/track vehicles. Ultimately, the optimum pad compound for any given application and driver's preference can only be found after actual on-track testing and evaluation. First, use the performance characteristics and popular application guidelines on the preceding page to establish a baseline. Then, use the comparison charts below to make specific determinations regarding possible adjustments to your combination.

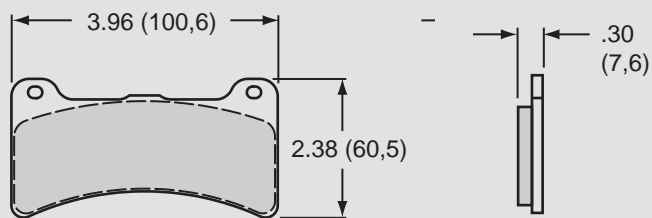
Compound types and ordering information for the pads used in Wilwood calipers can be found within the individual caliper pages. The pages that follow can also be used to identify and cross-reference the pad shapes and compounds used in all Wilwood calipers. Other compounds for a few specialized applications are also listed. A complete list of the Wilwood pads and compounds that are available for many OE calipers as well as other brands of racing calipers can be found in the Wilwood High Performance Disc Brake Pad catalog, or on our web site at www.wilwood.com.



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

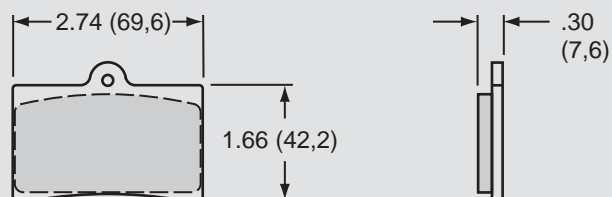


DYNAPRO 11" ROTOR BRAKE PAD TYPE 4812:



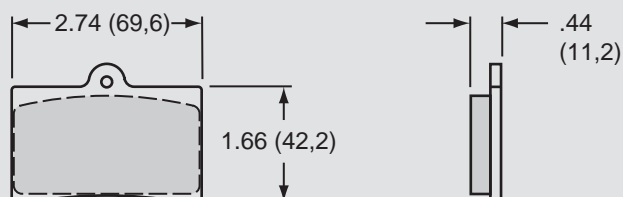
<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
150 - 11363K	4812 10 BP-10 Smart Pad

GP 300 / 310 BRAKE PAD TYPE 6208:



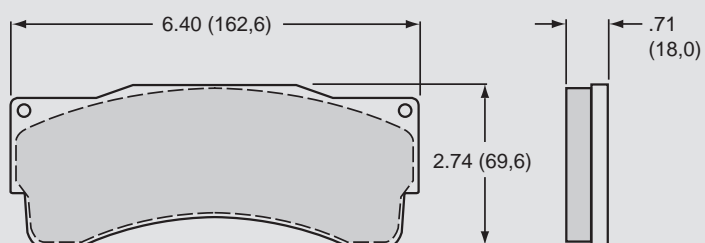
<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
150 - 8733-2	6208 10 BP-10 Smart Pad

GP 320 BRAKE PAD TYPE 6211:



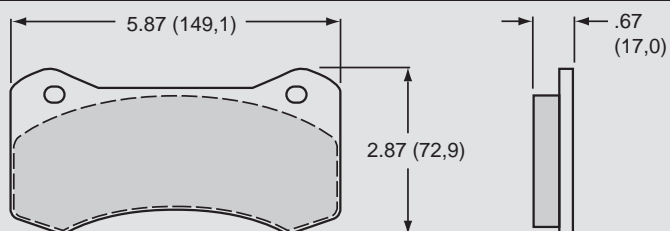
<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
15H - 8596K	6211 H PolyMatrix
150 - 10396K	6211 CM For Titanium Rotor

TC 6R TRUCK BRAKE PAD TYPE 6318:



<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
15Q - 8823K	6318 Q PolyMatrix
150 - 9118K	6318 10 BP-10 Smart Pad
150 - 9411K	6318 20 BP-20 Smart Pad

W4A / W6A BRAKE PAD TYPE 6617:

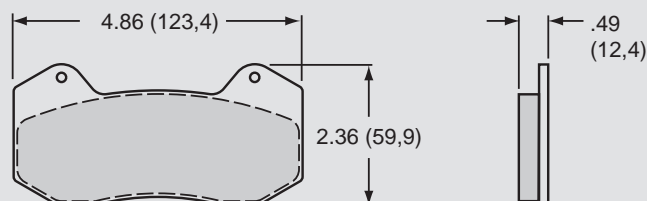


<u>AXLE SET P/N</u>	<u>PAD TYPE / COMPOUND</u>
15A - 9977K	6617 A PolyMatrix
15B - 9978K	6617 B PolyMatrix
15H - 9979K	6617 H PolyMatrix
150 - 9488K	6617 10 BP-10 Smart Pad
150 - 9489K	6617 20 BP-20 Smart Pad
150 - 9980K	6617 30 BP-30 Smart Pad



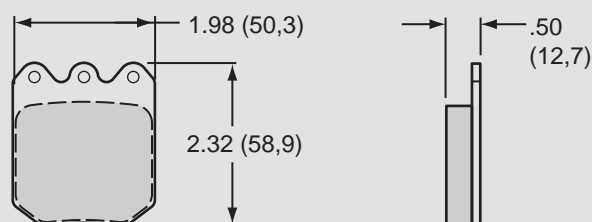
BRAKE PADS

DYNAPRO 6 BRAKE PAD TYPE 6712:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 10724K	6712 A PolyMatrix
15B - 10725K	6712 B PolyMatrix
15H - 10726K	6712 H PolyMatrix
150 - 10006K	6712 10 BP-10 Smart Pad
150 - 10007K	6712 20 BP-20 Smart Pad

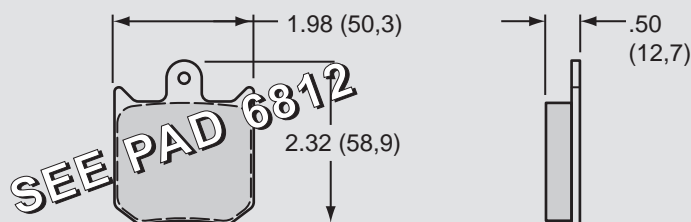
DYNAPRO SINGLE BRAKE PAD TYPE 6812:



NOTE: THIS PAD SHAPE CAN BE USED IN WILWOOD CALIPERS DESIGNED FOR TYPE 7012 PADS

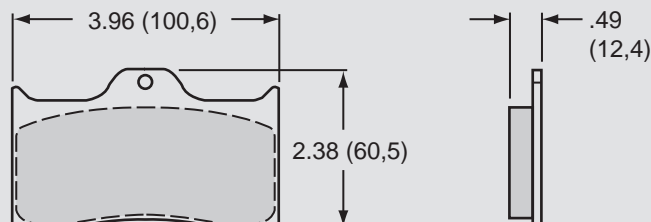
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 10142K	6812 A PolyMatrix
15B - 9819K	6812 B PolyMatrix
15E - 9820K	6812 E PolyMatrix
15Q - 10144K	6812 Q PolyMatrix
150 - 9764K	6812 10 BP-10 Smart Pad
150 - 9765K	6812 20 BP-20 Smart Pad
150 - 9862K	6812 30 BP-30 Smart Pad
150 - 9756K	6812 CM For Titanium Rotor
150 - 9766K	6812 Purple

DYNALITE SINGLE BRAKE PAD TYPE 7012:



NOTE: PAD TYPE 6812 CAN BE USED AS A REPLACEMENT FOR PAD TYPE 7012

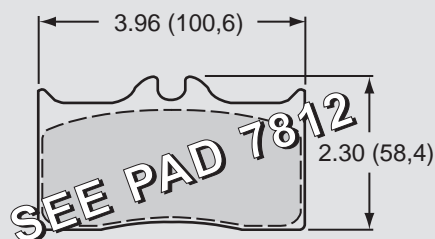
DYNALITE BRAKE PAD TYPE 7112:



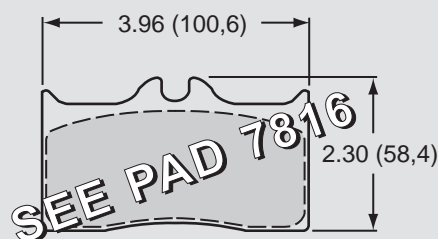
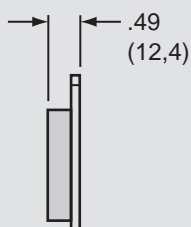
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5734K	7112 A PolyMatrix
15B - 3991K	7112 B PolyMatrix
15C - 4415K	7112 C PolyMatrix
15E - 6096K	7112 E PolyMatrix
15H - 8291K	7112 H PolyMatrix
15Q - 6824K	7112 Q PolyMatrix
150 - 8850K	7112 10 BP-10 Smart Pad
150 - 9413K	7112 20 BP-20 Smart Pad
150 - 9863K	7112 30 BP-30 Smart Pad
150 - 8450K	7112 CM For Titanium Rotor

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

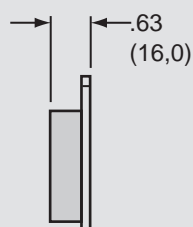
BILLET DYNALITE BRAKE PAD TYPE 7212 / 7216:



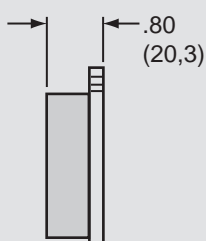
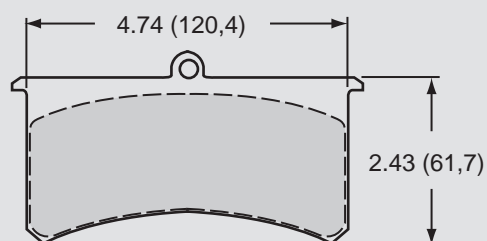
NOTE: PAD SHAPE 7812 CAN BE USED AS A REPLACEMENT FOR PAD TYPE 7212



NOTE: PAD SHAPE 7816 CAN BE USED AS A REPLACEMENT FOR PAD TYPE 7216

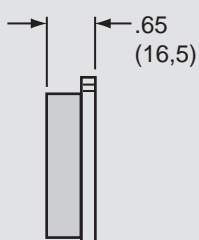
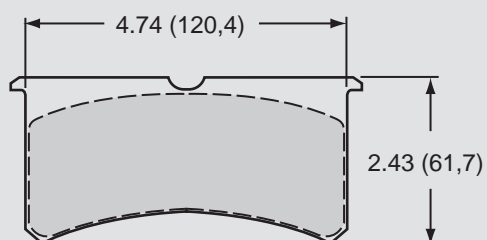


SUPERLITE II, SUPERLITE III, BILLETSUPERLITE W/COTTER PIN BRAKE PAD TYPE 7320:



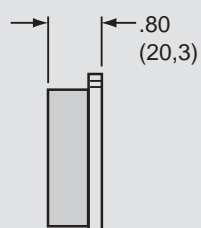
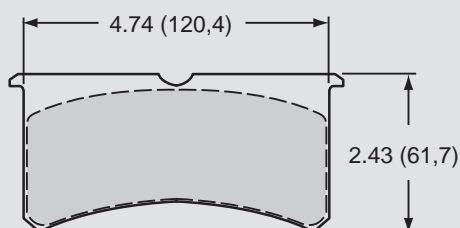
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5735K	7320 A PolyMatrix
15B - 3992K	7320 B PolyMatrix
15C - 4040K	7320 C PolyMatrix
15E - 6100K	7320 E PolyMatrix
15H - 8108K	7320 H PolyMatrix
15Q - 6827K	7320 Q PolyMatrix
150 - 8856K	7320 10 BP-10 Smart Pad
150 - 9414K	7216 20 BP-20 Smart Pad
150 - 8285K	7320 CM For Titanium Rotor
150 - 4909K	7320 Rapco

SL6R BRAKE PAD TYPE 7416:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6704K	7416 A PolyMatrix
15B - 6705K	7416 B PolyMatrix
15E - 6707K	7416 E PolyMatrix
15H - 8546K	7416 H PolyMatrix
15Q - 6828K	7416 Q PolyMatrix
150 - 8855K	7416 10 BP-10 Smart Pad
150 - 9415K	7416 20 BP-20 Smart Pad

SL6R BRAKE PAD TYPE 7420:

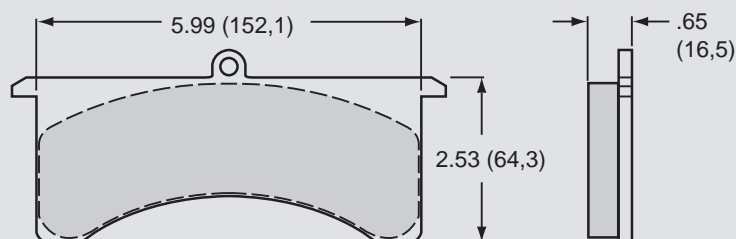


AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5938K	7420 A PolyMatrix
15B - 5939K	7420 B PolyMatrix
15C - 6853K	7420 C PolyMatrix
15E - 6084K	7420 E PolyMatrix
15H - 8114K	7420 H PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 9864K	7420 30 BP-30 Smart Pad
150 - 8323K	7320 CM For Titanium Rotor



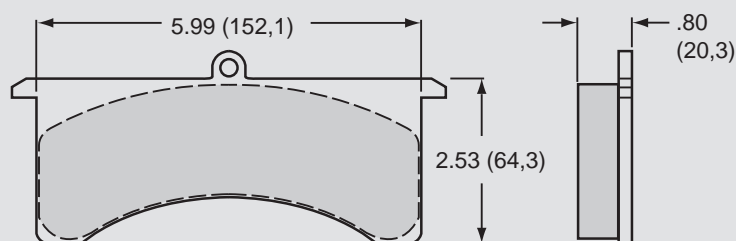
BRAKE PADS

GN III BRAKE PAD TYPE 7516:



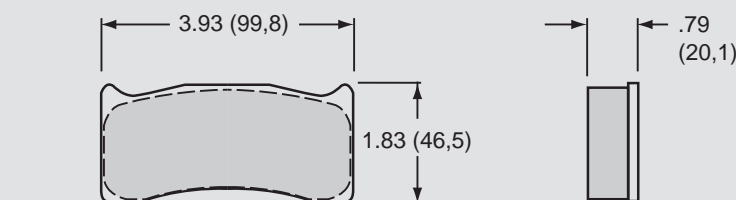
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 10648K	7516 A PolyMatrix
15E - 10228K	7516 E PolyMatrix
150 - 9605K	7516 20 BP-20 Smart Pad

GN III BRAKE PAD TYPE 7520:



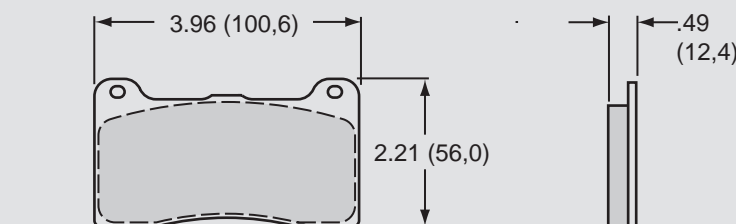
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5736K	7520 A PolyMatrix
15B - 3993K	7520 B PolyMatrix
15E - 6101K	7520 E PolyMatrix
15Q - 6879K	7520 Q PolyMatrix
150 - 9425K	7520 10 BP-10 Smart Pad
150 - 9417K	7520 20 BP-20 Smart Pad

IR-GT4R BRAKE PAD TYPE 7620:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5772K	7620 A PolyMatrix
15C - 4721K	7620 C PolyMatrix
15H - 8112K	7620 H PolyMatrix
150 - 4717K	7620 Rapco Pad (.34" Thick)

DYNAPRO BRAKE PAD TYPE 7812:



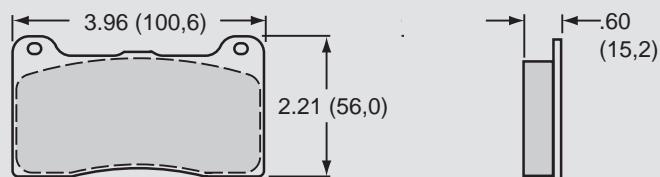
NOTE:
THIS PAD SHAPE CAN BE USED IN WILWOOD CALIPERS DESIGNED FOR TYPE 7212 PADS

AXLE SET P/N	PAD TYPE / COMPOUND
15A - 9835K	7812 A PolyMatrix
15B - 9836K	7812 B PolyMatrix
15E - 9837K	7812 E PolyMatrix
15H - 10644K	7812 H PolyMatrix
15Q - 10385K	7812 Q PolyMatrix
150 - 9136K	7812 10 BP-10 Smart Pad
150 - 9418K	7812 20 BP-20 Smart Pad
150 - 10020K	7812 CMFor Titanium Rotor

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



DYNAPRO AND NDL BRAKE PAD TYPE 7816:

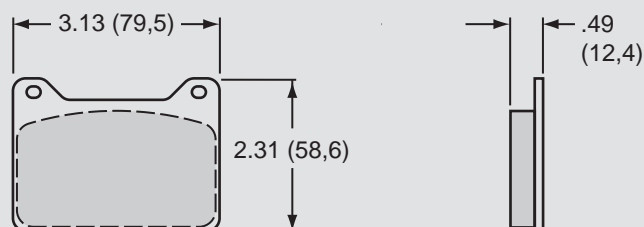


NOTE: THIS PAD SHAPE CAN BE USED IN WILWOOD CALIPERS DESIGNED FOR TYPE 7216 PADS

(1) THIS PAD IS MODIFIED

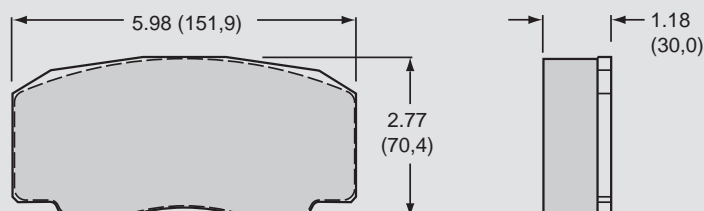
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7263K	7816 A PolyMatrix
15A - 11932K	7816 A PolyMatrix ⁽¹⁾
15B - 7264K	7816 B PolyMatrix
15B - 11933K	7816 B PolyMatrix ⁽¹⁾
15E - 7266K	7816 E PolyMatrix
15H - 10645K	7816 H PolyMatrix
15Q - 7268K	7816 Q PolyMatrix
150 - 8946K	7816 10 BP-10 Smart Pad
150 - 9419K	7816 20 BP-20 Smart Pad
150 - 9865K	7816 30 BP-30 Smart Pad
150 - 9753K	7816 SM For Titanium Rotor
150 - 10290K	7816 CM For Titanium Rotor ⁽¹⁾

POWERLITE BRAKE PAD TYPE 7912:



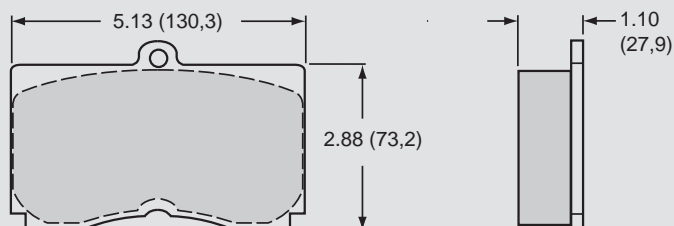
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 8809K	7912 A PolyMatrix
15B - 8949K	7912 B PolyMatrix
15E - 8810K	7912 E PolyMatrix
15H - 8811K	7912 H PolyMatrix
15Q - 8812K	7912 Q PolyMatrix
150 - 8813K	7912 10 BP-10 Smart Pad
150 - 9420K	7912 20 BP-20 Smart Pad

STR BRAKE PAD TYPE 9330:



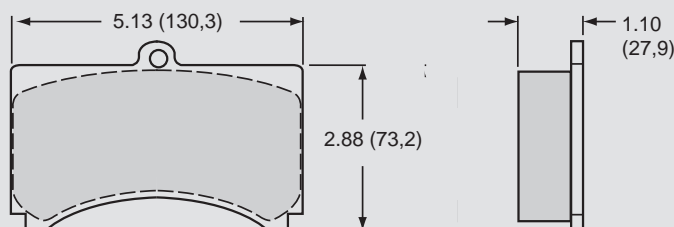
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 7509K	9330 A PolyMatrix
15H - 8119K	9330 H PolyMatrix

GT III/ST, GT III, GT 6000 BRAKE PAD TYPE 9428:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5739K	9428 A PolyMatrix

GT III/ST, GT III, GT 6000 SPECIAL RADIUS BRAKE PAD TYPE 9528:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6225K	9528 A PolyMatrix
15H - 8125K	9528 H PolyMatrix



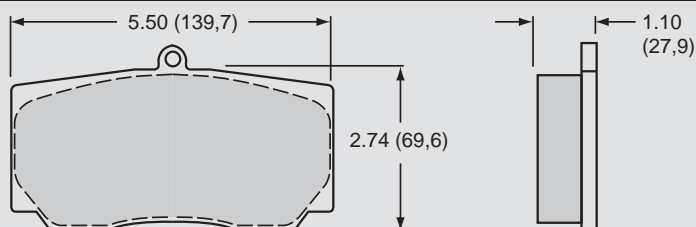
BRAKE PADS

INTEGRA WITH IP-GT ROTOR BRAKE PAD TYPE 9725:



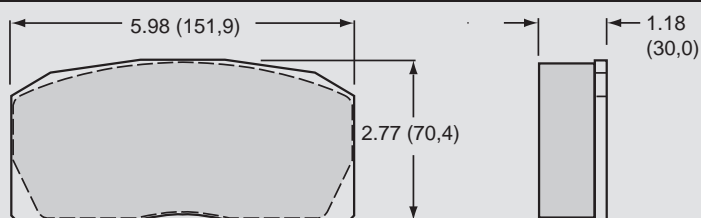
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5740K	9725 A PolyMatrix
15H - 8109K	9725 H PolyMatrix

INTEGRA WITH HT-GT ROTOR BRAKE PAD TYPE 9828:



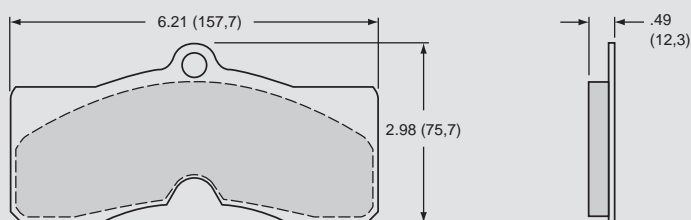
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5741K	9828 A PolyMatrix
15H - 8110K	9828 H PolyMatrix

P6R BRAKE PAD TYPE 9930:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5742K	9930 A PolyMatrix
15H - 8107K	9930 H PolyMatrix

D8-4 BRAKE PAD TYPE D8:

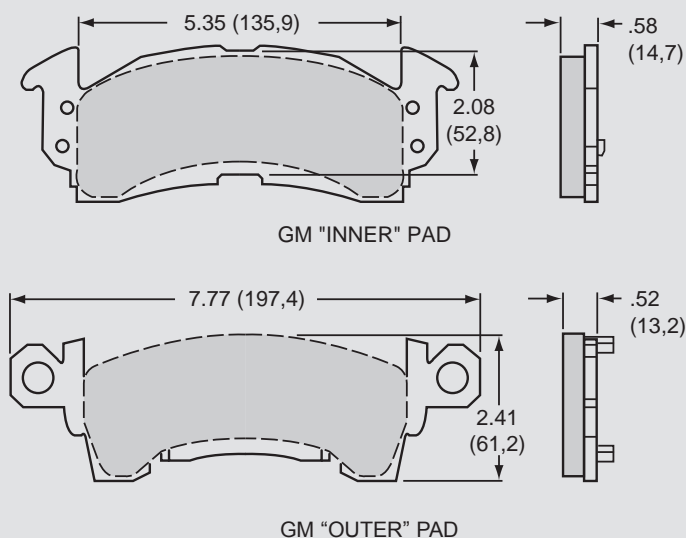


AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6202K	D8 A PolyMatrix
15E - 8300K	D8 E PolyMatrix
15Q - 8623K	D8 Q PolyMatrix
150 - 10546K	D8 10 BP-10 Smart Pad
150 - 10547K	D8 20 BP-20 Smart Pad

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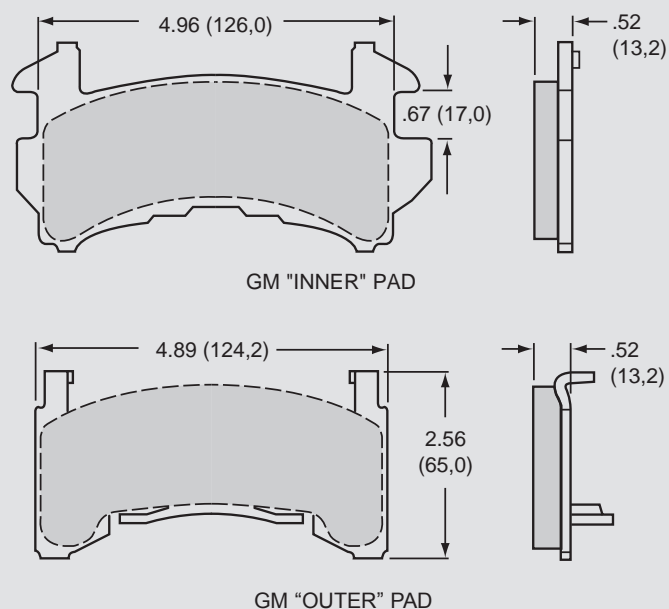


GM III BRAKE PAD TYPE D52:



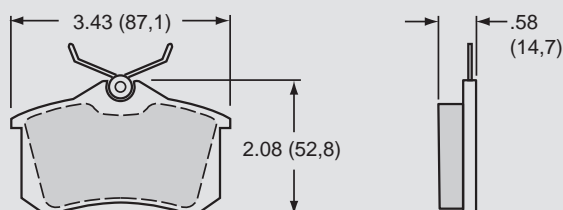
AXLE SET P/N	PAD TYPE / COMPOUND
15A - 5737K	D52 A PolyMatrix
15B - 3994K	D52 B PolyMatrix
15C - 4419K	D52 C PolyMatrix
15E - 6102K	D52 E PolyMatrix
15H - 8232K	D52 H PolyMatrix
15Q - 6830K	D52 Q PolyMatrix
150 - 8939K	D52 10 BP-10 Smart Pad
150 - 9421K	D52 20 BP-20 Smart Pad
150 - 9866K	D52 30 BP-30 Smart Pad

GM METRIC BRAKE PAD TYPE D154:



AXLE SET P/N	PAD TYPE / COMPOUND
15A - 6219K	D154 A PolyMatrix
15B - 3998K	D154 B PolyMatrix
15C - 4420K	D154 C PolyMatrix
15E - 6103K	D154 E PolyMatrix
15Q - 6831K	D154 Q PolyMatrix
150 - 8936K	D154 10 BP-10 Smart Pad
150 - 9422K	D154 20 BP-20 Smart Pad

COMBINATION PARKING BRAKE (CPB) CALIPER BRAKE PAD TYPE D340:



AXLE SET P/N	PAD TYPE / COMPOUND
15Q - 10254K	D340 Q PolyMatrix
150 - 9184K	D340 10 BP-10 Smart Pad
150 - 10661K	D340 20 BP-20 Smart Pad



ROTOR INFORMATION

Rotor Performance:

Wilwood Engineering produces over 120 different types of premium rotors designed specifically for racing and high performance applications. Although a rotor's basic function is to disburse energy (in the form of heat) created by the brake pads clamping onto the rapidly rotating rotor, how well a rotor performs this job under the extremes of racing is why Wilwood rotors are considered the best in the industry.

The key elements involved in a high performance rotor are:

- What is the mechanical advantage of the rotor (diameter)?
- How stable (resistant to cracking) is the rotor material during thermal cycling (the continual process of heating and cooling)?
- How stable is the rotor material when thermal shock occurs (the large, sudden, rapid change in rotor temperature)?
- How efficient the rotor is at disbursing heat caused by friction between the rotor and brake pad?
- How light the rotor can be made and still perform the task required (rotating weight not only contributes to unwanted unsprung weight, but also rotating weight)?

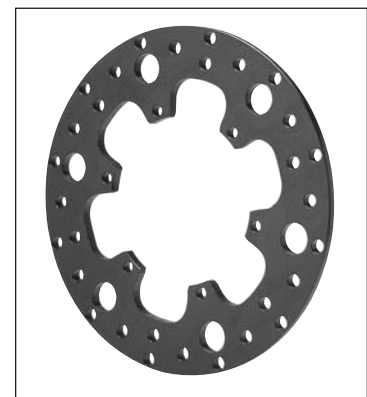


Wilwood Engineers address these and other critical questions when designing rotors. Because race cars differ in their braking requirements, Wilwood has developed both specific designs and specialized materials and manufacturing techniques to accommodate different performance criteria.

Wilwood vented rotors are designed for maximum cooling. The internal vanes pump cool air from the center of the wheel and take heat away from the rotor, allowing rotor temperatures to decrease. Wilwood has designed special curved vane and straight vane rotors to effectively move large volumes of air to rapidly disburse this heat (energy). Specially formulated iron is used to enhance the stability of the rotor, while allowing difficult castings in complex vane configurations to be produced. Wilwood's proprietary casting techniques are the result of over 30 years of vented rotor research and development combined with actual on-track performance evaluation. All rotors are precision machined to assure surfaces are flat and parallel.

Wilwood specialty steel rotors are used when rapid thermal inputs occur and material stability is required (i.e. when a dragster must brake from 300 mph). Under such conditions specialty steels are used, often cross drilled to reduce rotational weight. Wilwood also manufactures dynamic mount rotors for Super Speedway applications as well as special limited duty street rod and pro series solid rotors.

For all rotor designs, Wilwood conducts extensive in-house dynamometer testing to measure results of rotors under the most demanding conditions. This unique testing, teamed with extensive research and development and track testing assure the racer of the best quality high performance rotors available.



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

STAGGERED DIRECTIONAL VANE ROTORS

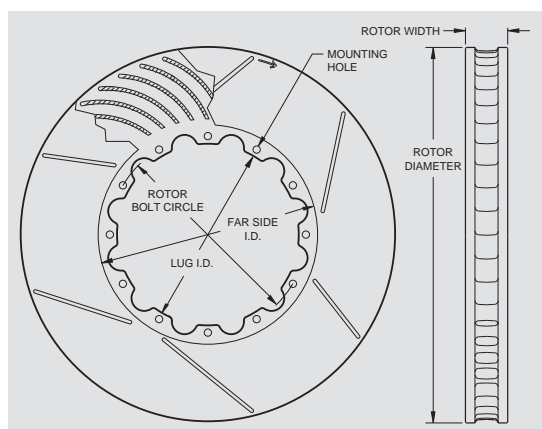
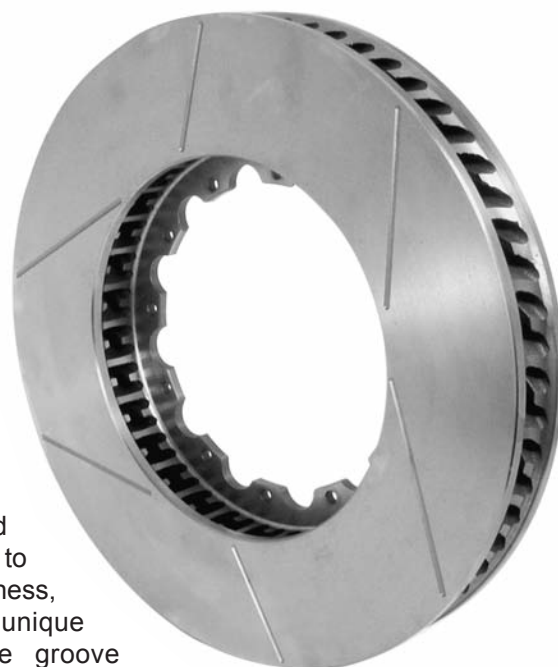


www.wilwood.com

SV-GT SERIES DIRECTIONAL VANE ROTORS:

The **SV** series staggered vane rotor design has registered remarkable temperature reductions in severe duty, high heat environments. These advances have largely been the results of enhanced airflow through the center of the rotor. By staggering every other vane, from a full vane to two partial vanes, the airflow volume area was dramatically increased. Adding to the overall vane count also increased the surface cooling area. The face and vane wall sections were all increased without substantial weight gain. It is a simple matter of efficiency creating excellent heat exchange and high structural durability.

The **SV** rotor series is the next big step in brake system heat management. The **SV-GT** Series incorporates the increased cooling capacity and improved structural stability of the staggered vane design with Wilwood's premium GT machine preparation. Each rotor is cast from premium grade, long grain carbon iron. This material is used for its long wear, high thermal conductivity, and extreme resistance to distortion. Each rotor is fully detail machined to eliminate stress points and maintain less than .001"/.025mm flatness, parallelism, and run-out over the entire rotor. Wilwood's unique



asymmetrical face groove pattern provides smoother engagement through reduced harmonics and even pad wear from improved thermal balance between the ID and OD of the rotor faces. Bed-in and interface gasses are effectively vented to achieve maximum performance from the pads. The clean and sweep action provided by this unique face slot pattern also minimizes any tendencies for irregular pad material build up or smearing over the rotor faces that can contribute to chatter during engagement. The minimal amount of material removed from the rotor faces during the slotting operation does not compromise the structural reliability or the wear rate of the rotor faces or pads. Finally, each rotor is individually spin balanced to assure vibration free performance at all speeds.

ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
16.00" (406,4)	1.38" (35,1)	12 x 10.75" (273,1)	.315"	11.76" (298,7)	10.00" (254,0)	22.5	RH	160-8953 ⁽¹⁾
16.00" (406,4)	1.38" (35,1)	12 x 10.75" (273,1)	.315"	11.76" (298,7)	10.00" (254,0)	22.5	LH	160-8954 ⁽¹⁾
14.25" (362,0)	1.25" (31,8)	12 x 9.18" (233,4)	.251"	10.00" (254,0)	8.63" (219,2)	18.7	RH	160-9787 ⁽¹⁾
14.25" (362,0)	1.25" (31,8)	12 x 9.18" (233,4)	.251"	10.00" (254,0)	8.63" (219,2)	18.7	LH	160-9788 ⁽¹⁾
14.25" (362,0)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	RH	160-11315 ⁽¹⁾
14.25" (362,0)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	LH	160-11316 ⁽¹⁾
14.25" (362,0)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	RH	160-11311 ⁽¹⁾
14.25" (362,0)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	LH	160-11312 ⁽¹⁾
14.00" (355,6)	1.25" (31,8)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	17.3	RH	160-8023 ⁽¹⁾
14.00" (355,6)	1.25" (31,8)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	17.3	LH	160-8024 ⁽¹⁾
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	17.5	RH	160-8398 ⁽¹⁾
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	17.5	LH	160-8399 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	14.5	RH	160-8097 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	14.5	LH	160-8098 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	14.7	RH	160-8402 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	14.7	LH	160-8403 ⁽¹⁾
12.90" (327,7)	1.62" (41,1)	12 x 6.75" (171,5)	.251"	7.55" (191,8)	6.25" (158,8)	20.3	RH	160-7305 ⁽¹⁾
12.90" (327,7)	1.62" (41,1)	12 x 6.75" (171,5)	.251"	7.55" (191,8)	6.25" (158,8)	20.3	LH	160-7306 ⁽¹⁾

NOTES: (1) FOR DYNO-BEDDED ROTORS, ADD "-B" TO THE END OF THE PART NUMBER WHEN ORDERING

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

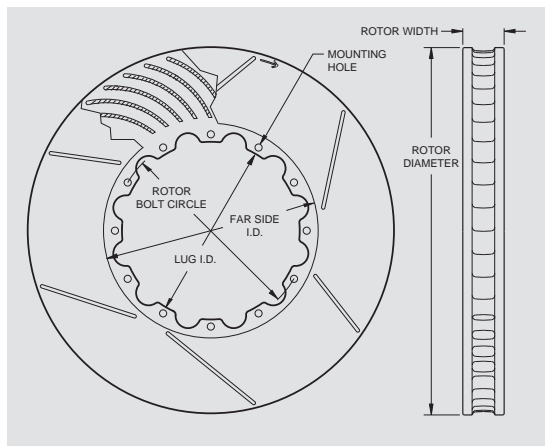
• ROTORS •



DIRECTIONAL VANE ROTORS

GT SERIES DIRECTIONAL VANE ROTORS:

GT-36, GT-40, and GT-48 vane rotors are built for the extreme conditions of professional motorsports. The superior heat absorption and dissipation characteristics of these heavy wall directional vane rotors are the keys to preventing heat fade and realizing long service life from the rotors and pads. All rotors are cast from premium grade, long grain carbon iron for long wear, thermal stability, and resistance to distortion. Every **GT** rotor is fully detail machined to eliminate stress points and unnecessary weight away from the pad sweep face. The faces and O.D. are precision turned to less than .001" for flatness,



12 Bolt Configuration

parallelism, and run-out. An asymmetrical face slot pattern provides smoother engagement through reduced harmonics and improved thermal balance between the I.D. and O.D. of the rotor. Every rotor is then individually

dynamic balanced to provide vibration free performance at any speed. These rotors provide the highest cooling capacity and longest service life for extreme braking short tracks and road course competition.



ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	17.5	RH	160-8398 ⁽¹⁾
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	17.5	LH	160-8399 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	14.7	RH	160-8402 ⁽¹⁾
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	10.00" (254,0)	8.25" (209,6)	14.7	LH	160-8403 ⁽¹⁾
13.06" (331,7)	1.38" (35,0)	8 x 7.00" (177,8)	.313"	9.21" (233,9)	6.53" (165,9)	16.0	RH	160-3584 ⁽¹⁾
13.06" (331,7)	1.38" (35,0)	8 x 7.00" (177,8)	.313"	9.21" (233,9)	6.53" (165,9)	16.0	LH	160-3585 ⁽¹⁾
13.06" (331,7)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	RH	160-8165 ⁽¹⁾
13.06" (331,7)	1.25" (31,8)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	LH	160-8166 ⁽¹⁾
13.00" (330,2)	1.10" (27,9)	12 x 7.00" (177,8)	.251"	8.57" (217,7)	6.38" (162,0)	14.6	RH	160-8508 ⁽¹⁾
13.00" (330,2)	1.10" (27,9)	12 x 7.00" (177,8)	.251"	8.57" (217,7)	6.38" (162,0)	14.6	LH	160-8509 ⁽¹⁾
12.91" (328,0)	1.38" (35,0)	12 x 7.17" (182,0)	8 mm	7.86" (199,7)	6.25" (158,8)	19.3	RH	160-6843 ⁽¹⁾
12.91" (328,0)	1.38" (35,0)	12 x 7.17" (182,0)	8 mm	7.86" (199,7)	6.25" (158,8)	19.3	LH	160-6844 ⁽¹⁾
12.91" (328,0)	1.26" (32,0)	10 x 8.11" (206,0)	8 mm	8.66" (220,0)	7.24" (184,0)	14.3	RH	160-7137 ⁽¹⁾
12.91" (328,0)	1.26" (32,0)	10 x 8.11" (206,0)	8 mm	8.66" (220,0)	7.24" (184,0)	14.3	LH	160-7138 ⁽¹⁾
12.90" (327,7)	1.38" (35,0)	12 x 7.00" (177,8)	.251"	8.05" (204,5)	6.55" (166,4)	18.6	RH	160-4932 ⁽¹⁾
12.90" (327,7)	1.38" (35,0)	12 x 7.00" (177,8)	.251"	8.05" (204,5)	6.55" (166,4)	18.6	LH	160-4933 ⁽¹⁾
12.90" (327,7)	1.38" (35,0)	12 x 6.75" (171,5)	.251"	7.55" (191,8)	6.25" (158,8)	19.4	RH	160-5122 ⁽¹⁾
12.90" (327,7)	1.38" (35,0)	12 x 6.75" (171,5)	.251"	7.55" (191,8)	6.25" (158,8)	19.4	LH	160-5123 ⁽¹⁾

NOTES: (1) FOR DYNO-BEDDED ROTORS, ADD "-B" TO THE END OF THE PART NUMBER WHEN ORDERING

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

ROTOR ORDERING INFORMATION:



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DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
12.90" (327,7)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	RH	160-6833 ⁽¹⁾
12.90" (327,7)	1.10" (27,9)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	LH	160-6834 ⁽¹⁾
12.90" (327,7)	1.00" (25,4)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	10.5	RH	160-7597 ⁽¹⁾
12.90" (327,7)	1.00" (25,4)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	10.5	LH	160-7598 ⁽¹⁾
12.90" (327,7)	.81" (20,6)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	10.1	RH	160-9959 ⁽¹⁾
12.90" (327,7)	.81" (20,6)	12 x 8.75" (222,3)	.251"	9.46" (240,3)	8.25" (209,6)	10.1	LH	160-9960 ⁽¹⁾
12.80" (325,1)	1.25" (31,8)	12 x 7.06" (179,3)	.251"	8.41" (213,6)	6.53" (165,9)	15.0	RH	160-7742 ⁽¹⁾
12.80" (325,1)	1.25" (31,8)	12 x 7.06" (179,3)	.251"	8.41" (213,6)	6.53" (165,9)	15.0	LH	160-7743 ⁽¹⁾
12.72" (323,0)	1.38" (35,0)	12 x 6.75" (171,5)	.251"	7.69" (195,3)	6.25" (158,8)	18.7	RH	160-3314 ⁽¹⁾
12.72" (323,0)	1.38" (35,0)	12 x 6.75" (171,5)	.251"	7.69" (195,3)	6.25" (158,8)	18.7	LH	160-3315 ⁽¹⁾
12.72" (323,0)	1.25" (31,8)	8 x 7.62" (193,5)	5/16-24	8.88" (225,6)	7.13" (181,1)	13.0	RH	160-2978 ⁽¹⁾
12.72" (323,0)	1.25" (31,8)	8 x 7.62" (193,5)	5/16-24	8.88" (225,6)	7.13" (181,1)	13.0	LH	160-2979 ⁽¹⁾
12.72" (323,0)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.88" (225,6)	6.53" (165,9)	13.4	RH	160-2540 ⁽¹⁾
12.72" (323,0)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.88" (225,6)	6.53" (165,9)	13.4	LH	160-2541 ⁽¹⁾
12.60" (320,0)	1.29" (32,8)	12 x 7.00" (177,8)	.251"	7.69" (195,3)	6.38" (162,0)	15.6	RH	160-8746 ⁽¹⁾
12.60" (320,0)	1.29" (32,8)	12 x 7.00" (177,8)	.251"	7.69" (195,3)	6.38" (162,0)	15.6	LH	160-8747 ⁽¹⁾
12.31" (312,7)	1.26" (32,0)	10 x 8.11" (206,0)	8 mm	8.88" (225,6)	7.48" (190,0)	11.5	RH	160-7414 ⁽¹⁾
12.31" (312,7)	1.26" (32,0)	10 x 8.11" (206,0)	8 mm	8.88" (225,6)	7.48" (190,0)	11.5	LH	160-7415 ⁽¹⁾
12.19" (309,7)	1.38" (35,0)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	13.5	RH	160-2684 ⁽¹⁾
12.19" (309,7)	1.38" (35,0)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	13.5	LH	160-2685 ⁽¹⁾
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	12.7	RH	160-2526 ⁽¹⁾
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	12.7	LH	160-2527 ⁽¹⁾
12.19" (309,7)	.81" (20,6)	8 x 7.62" (193,5)	.325"	8.34" (211,8)	7.13" (181,1)	9.3	RH	160-8474 ⁽¹⁾
12.19" (309,7)	.81" (20,6)	8 x 7.62" (193,5)	.325"	8.34" (211,8)	7.13" (181,1)	9.3	LH	160-8475 ⁽¹⁾
12.19" (309,7)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	RH	160-8432 ⁽¹⁾
12.19" (309,7)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	LH	160-8433 ⁽¹⁾
12.00" (304,8)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.41" (213,6)	6.38" (162,0)	9.0	RH	160-8494 ⁽¹⁾
12.00" (304,8)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.41" (213,6)	6.38" (162,0)	9.0	LH	160-8495 ⁽¹⁾
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	10.9	RH	160-6902 ⁽¹⁾
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	10.9	LH	160-6903 ⁽¹⁾
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	7.87" (199,9)	6.38" (162,0)	9.0	RH	160-9009 ⁽¹⁾
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	7.87" (199,9)	6.38" (162,0)	9.0	LH	160-9010 ⁽¹⁾
11.66" (296,2)	.72" (18,3)	8 x 7.00" (177,8)	.325"	8.25" (209,6)	6.38" (162,0)	7.2	RH	160-8590 ⁽¹⁾
11.66" (296,2)	.72" (18,3)	8 x 7.00" (177,8)	.325"	8.25" (209,6)	6.38" (162,0)	7.2	LH	160-8591 ⁽¹⁾

NOTES: (1) FOR DYNO-BEDDED ROTORS, ADD "-B" TO THE END OF THE PART NUMBER WHEN ORDERING

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• ROTORS •

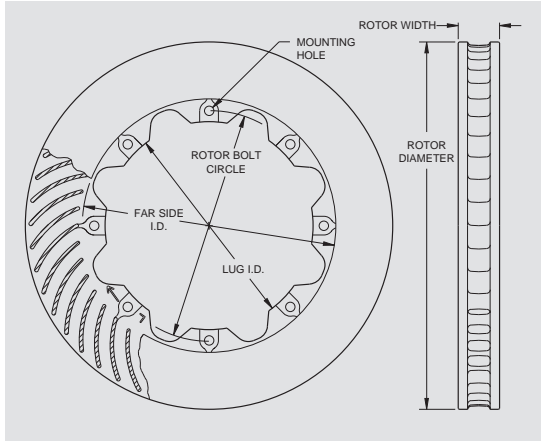


DIRECTIONAL VANE ROTORS

HD SERIES DIRECTIONAL VANE ROTORS:

HD-48, HD-40, and HD-36 Series directional vane rotors provide superior thermal stability and long service for asphalt late models, modifieds, open wheel, and most other types of high heat competition applications. All **HD** rotors are cast from premium grade, long grain carbon iron for long wear, high thermal stability and resistance to distortion. Thick wall pad sweep faces with directional cooling vanes

provide superior heat absorption and dissipation qualities to prevent heat fade and realize long service life from the pads and rotors. All **HD** rotor faces are precision turned to less than .001" for flatness, parallelism, and run-out for smoother engagement and reduced vibration.



ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
12.19" (309,7)	1.25" (31,8)	8 x 7.62" (193,6)	5/16-24	8.41" (213,6)	6.90" (175,3)	12.7	RH	160-3872
12.19" (309,7)	1.25" (31,8)	8 x 7.62" (193,6)	5/16-24	8.41" (213,6)	6.90" (175,3)	12.7	LH	160-3873
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	12.7	RH	160-3870
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.41" (213,6)	6.53" (165,9)	12.7	LH	160-3871
12.19" (309,7)	.81" (20,6)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	9.5	RH	160-7705 ⁽¹⁾
12.19" (309,7)	.81" (20,6)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	9.5	LH	160-7706 ⁽¹⁾
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	10.9	RH	160-3846
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.313"	8.34" (211,8)	6.38" (162,0)	10.9	LH	160-3847
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.313"	7.87" (199,9)	6.38" (162,0)	8.5	RH	160-7701 ⁽¹⁾
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.313"	7.87" (199,9)	6.38" (162,0)	8.5	LH	160-7702 ⁽¹⁾

NOTES: (1) THESE ARE 36 VANE ROTORS

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



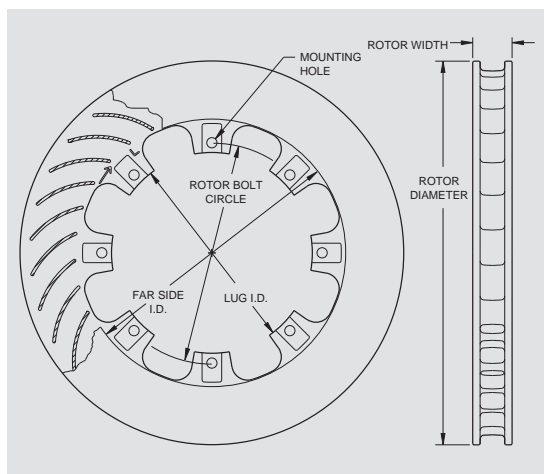
UL-32 SERIES DIRECTIONAL VANE ROTORS:

Ultra-Light **UL-32** and **ULHP-32** directional vane rotors provide an excellent balance of efficient cooling and lower rotating mass on hard braking dirt tracks or rear axle service on pavement cars. **UL** rotors are cast from premium grade, long grain carbon iron for long wear, high

thermal stability, and resistance to distortion.

UL-32 rotors are production machined and well suited to a wide range of sportsman racing categories.

ULHP-32 rotors offered the added performance and smoother operation of precision turned faces with less than .001" variation in flatness, parallelism, or run-out.



ULHP-32 SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	10.4	RH	160-5845
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	10.4	LH	160-5846
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	RH	160-5847
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	LH	160-5848

UL-32 SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
12.19" (309,7)	1.25" (31,8)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	10.1	RH	160-2900
12.19" (309,7)	1.25" (31,8)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	10.1	LH	160-2901
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	10.5	RH	160-2894
12.19" (309,7)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	10.5	LH	160-2895
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	RH	160-2898
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	9.6	LH	160-2899

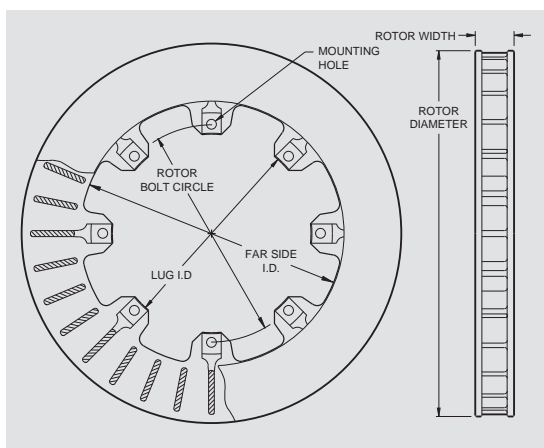


STRAIGHT VANE ROTORS

UL SERIES STRAIGHT VANE ROTORS:

Ultra-Light UL and ULHP straight vane rotors provide high value performance and rugged durability for a wide range of competition, high performance, and sport driving applications. Don't confuse these rotors with bargain priced off-brand named parts. Wilwood's modern manufacturing capability, combined with large scale economies, make it possible to offer this level of quality and performance at such an affordable price.

Every Wilwood rotor is cast from premium grade, long grain carbon iron. This material exhibits long wear, high thermal stability, and excellent resistance to distortion in high heat. Modern foundry and machining techniques hold close tolerances on face and vane thickness. Combining



8 Bolt Configuration

the correct face thickness with a 30 or 32 vane casting provides superior heat management and long service life with low rotating and unsprung weight. The straight vane design also makes it possible to use the same rotor on left or right hand mounting locations.

UL series rotors are production machined and will provide excellent service for many applications. **ULHP** series rotors provide the additional performance and smoother operation of precision machined faces with less than .001" variation in flatness, parallelism, and run-out.



UL-HP SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.251"	8.53" (216,7)	7.29" (185,2)	8.7	ULHP-32	160-6984
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.251"	8.53" (216,7)	7.29" (185,2)	8.7	ULHP-32	160-9585 ⁽¹⁾
12.19" (309,6)	.81" (20,6)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	8.8	ULHP-32	160-5844
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	8.9	ULHP-32	160-5843
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	8.1	ULHP-32	160-5841
11.00" (279,4)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.9	ULHP-30	160-5840
11.00" (279,4)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.9	ULHP-30	160-10358 ⁽¹⁾
10.75" (273,1)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.4	ULHP-30	160-5839

UL SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	8.9	UL-32	160-0277
12.00" (304,8)	1.20" (30,5)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	8.6	UL-32	160-0586
11.75" (298,5)	1.25" (31,8)	10 x 6.81" (173,0)	.325"	8.00" (203,2)	6.28" (159,5)	9.5	UL-30	160-0789
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	8.8	UL-32	160-0483
11.75" (298,5)	.81" (20,6)	10 x 6.81" (173,0)	.325"	8.00" (203,2)	6.28" (159,5)	9.1	UL-30	160-0790
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	8.1	UL-32	160-0471
11.75" (298,5)	.75" (19,6)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	6.9	UL-32	160-1949
10.50" (266,7)	.75" (19,6)	6 x 5.50" (139,7)	.325"	6.75" (171,5)	4.94" (125,5)	6.6	UL-30	160-3450
10.25" (260,4)	.75" (19,6)	6 x 5.50" (139,7)	.325"	6.75" (171,5)	4.94" (125,5)	6.1	UL-30	160-3747

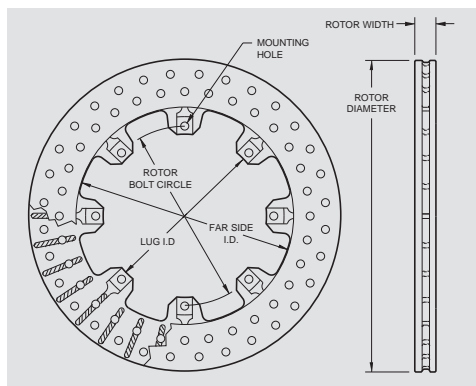
NOTES: (1) THIS ROTOR HAS A UNIQUE ASYMMETRICAL FACE GROOVE PATTERN

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

LIGHTENED STRAIGHT VANE ROTORS

When it comes to rotors, racers are constantly searching for the ultimate balance between the lowest weight and the ability to effectively manage heat. Decreased rotating weight in the drive line provides quicker deceleration under braking and quicker acceleration out of the corners. Lower weight also benefits handling with improved spring and shock control over the unsprung suspension mass. Wilwood's **ULD-32** drilled and **ULS-32** scalloped iron rotors provide two highly effective lightweight options for sprints, late models, modifieds, and other competition applications that race in low to medium temperature ranges.

ULD-32 SERIES DRILLED STRAIGHT VANE VENTED IRON ROTORS:



ULD-32 Series Drilled Straight Vane Vented Iron Rotors feature a two row, 64 hole pattern that alternates between and directly over each vane. Each hole is deeply chamfered to eliminate any stress points that could result in premature cracking at the drill holes. The drilling process removes an average of one pound from each rotor. Rotating and unsprung rotor mass is reduced by as much as 12%.



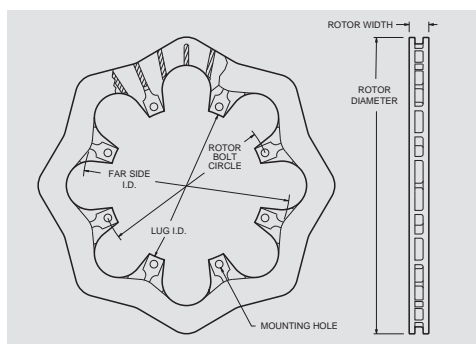
Caution on drilled rotors: There is a common mis-perception that rotors are

drilled to improve cooling. The reduced mass of a drilled rotor will dissipate its retained heat quicker, but it also builds up heat at a much faster rate. The decision to use drilled rotors should be solely based on the merits of the lower rotating and unsprung weight, and not for improved cooling. It is not wise to use drilled rotors in sustained high heat on hard braking tracks unless the team budget affords a high frequency of rotor and brake pad replacement.

ULD-32 SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	8.0	ULD-32	160-5865
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	7.7	ULD-32	160-5864
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	7.2	ULD-32	160-5863

ULS-32 SERIES SCALLOPED VENTED IRON ROTORS:



ULS-32 Series Scalloped Rotors feature a fully machined scallop configuration that provides the highest degree of weight reduction on a vented straight vane iron rotor. Scallop machining will remove as much as three pounds, or nearly 33% of the rotor mass. The vented castings provide increased cooling capacity over machined steel plate rotors, with improved structural durability over drilled rotor designs.



ULS-32 SERIES ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	5.9	ULS-32	160-8136
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	5.8	ULS-32	160-8343
11.75" (298,5)	1.25" (31,8)	8 x 7.00" (177,8)	.325"	8.75" (222,2)	6.38" (162,0)	6.7	ULS-32	160-8814
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,8)	6.38" (162,0)	5.4	ULS-32	160-8135
10.50" (266,7)	.81" (20,6)	6 x 5.50" (139,7)	.325"	7.30" (185,4)	4.94" (125,5)	2.9	ULS-24	160-9363 ⁽¹⁾
10.50" (266,7)	.78" (19,8)	6 x 5.50" (139,7)	.325"	7.03" (178,6)	4.94" (125,5)	2.9	ULS-24	160-9929
10.50" (266,7)	.78" (19,8)	6 x 5.50" (139,7)	.325"	7.03" (178,6)	4.94" (125,5)	2.9	ULS-24	160-11217 ⁽²⁾
10.50" (266,7)	.75" (19,1)	6 x 5.50" (139,7)	.325"	7.30" (185,4)	4.94" (125,5)	3.8	ULS-32	160-8427

NOTES: (1) THIS ROTOR IS TITANIUM POLYMETALLIC COATED • (2) THIS ROTOR IS UNCOATED

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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• ROTORS •



SRP DRILLED PERFORMANCE ROTORS

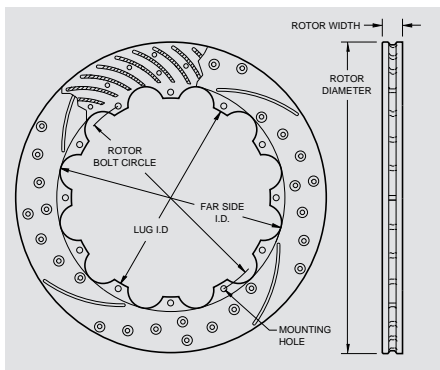
SRP BLACK ELECTRO COAT DRILLED PERFORMANCE SERIES ROTORS:

SRP Drilled Performance Rotors feature a specially engineered directional cross drill and face slot pattern that improve brake response and pad performance throughout the entire range of light to heavy braking. The venting and cleaning action of the holes and slots will reduce pad glaze and disperse gasses and heat generated during the pad

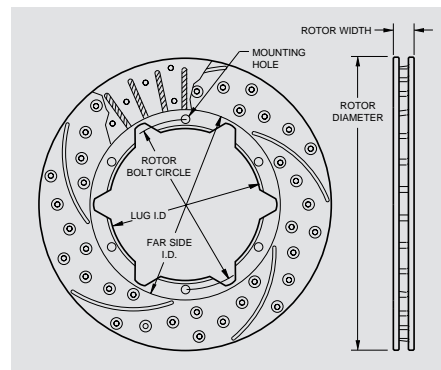


to rotor interface. The holes and slots also inhibit irregular pad compound build-up on the rotor faces resulting in smoother engagement and improved pedal response in all conditions. The material removed also contributes to lower rotating and unsprung suspension weight.

Along with the excellent performance characteristics of this rotor design, each rotor is treated with a black electro coat to inhibit corrosion on all areas of the rotor. The high tech design, classic style, and aesthetic appeal of the **SRP** series are the perfect finishing touches to any wheel and tire detail.



12 Bolt Configuration



6 Bolt Configuration

SRP rotors are available in all popular sizes used in Wilwood's Pro Series and Big Brake conversion kits. Kits in these categories designated with the drilled rotor option get the **SRP** as standard equipment.

ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
16.00" (406,4)	1.38" (35,1)	12 x 10.75" (273,1)	.315"	11.76" (298,7)	10.00" (254,0)	22.4	RH	160-8955-BK
16.00" (406,4)	1.38" (35,1)	12 x 10.75" (273,1)	.315"	11.76" (298,7)	10.00" (254,0)	22.4	LH	160-8956-BK
14.25" (362,0)	1.25" (31,8)	12 x 9.19" (233,4)	.251"	10.00" (254,0)	8.63" (219,2)	18.7	RH	160-9762-BK
14.25" (362,0)	1.25" (31,8)	12 x 9.19" (233,4)	.251"	10.00" (254,0)	8.63" (219,2)	18.7	LH	160-9763-BK
14.25" (362,0)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	RH	160-11313-BK
14.25" (362,0)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	18.8	LH	160-11314-BK
14.25" (362,0)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	15.8	RH	160-11309-BK
14.25" (362,0)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	15.8	LH	160-11310-BK
14.00" (355,6)	1.25" (31,8)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	17.2	RH	160-8025-BK
14.00" (355,6)	1.25" (31,8)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	17.2	LH	160-8026-BK

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	FAR SIDE I.D.	LUG I.D.	WEIGHT LBS	RH / LH	PART NUMBER
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	17.4	RH	160-8396-BK
14.00" (355,6)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	17.4	LH	160-8397-BK
14.00" (355,6)	1.10" (27,9)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	14.3	RH	160-8099-BK
14.00" (355,6)	1.10" (27,9)	12 x 9.18" (233,2)	.251"	10.00" (254,0)	8.57" (217,7)	14.3	LH	160-8100-BK
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	14.5	RH	160-8400-BK
14.00" (355,6)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	10.00" (254,0)	8.25" (209,6)	14.5	LH	160-8401-BK
13.06" (331,7)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	RH	160-7798-BK
13.06" (331,7)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	12.3	LH	160-7799-BK
13.00" (330,2)	1.10" (27,9)	12 x 7.00" (177,8)	.251"	8.57" (217,7)	6.38" (162,0)	14.4	RH	160-8510-BK
13.00" (330,2)	1.10" (27,9)	12 x 7.00" (177,8)	.251"	8.57" (217,7)	6.38" (162,0)	14.4	LH	160-8511-BK
12.90" (327,7)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	11.5	RH	160-7172-BK
12.90" (327,7)	1.25" (31,8)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	11.5	LH	160-7173-BK
12.90" (327,7)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	11.9	RH	160-6835-BK
12.90" (327,7)	1.10" (27,9)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	11.9	LH	160-6836-BK
12.90" (327,7)	1.00" (25,4)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	10.4	RH	160-8006-BK
12.90" (327,7)	1.00" (25,4)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	10.4	LH	160-8007-BK
12.90" (327,7)	.81" (20,6)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	10.1	RH	160-9961-BK
12.90" (327,7)	.81" (20,6)	12 x 8.75" (222,2)	.251"	9.46" (240,3)	8.25" (209,6)	10.1	LH	160-9962-BK
12.80" (325,1)	1.25" (31,8)	12 x 7.06" (179,3)	.251"	8.41" (213,6)	6.53" (165,9)	14.5	RH	160-7744-BK
12.80" (325,1)	1.25" (31,8)	12 x 7.06" (179,3)	.251"	8.41" (213,6)	6.53" (165,9)	14.5	LH	160-7745-BK
12.80" (325,1)	1.25" (31,8)	5 x 4.75" (120,7)	–	8.53" (216,7)	–	18.7	RH	160-9334-BK ⁽¹⁾
12.80" (325,1)	1.25" (31,8)	5 x 4.75" (120,7)	–	8.53" (216,7)	–	18.7	LH	160-9335-BK ⁽¹⁾
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.251"	8.53" (216,7)	7.29" (185,2)	8.6	RH	160-6924-BK
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.251"	8.53" (216,7)	7.29" (185,2)	8.6	LH	160-6925-BK
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.251"	8.53" (216,7)	7.29" (185,2)	8.5	RH	160-6986-BK
12.19" (309,6)	.81" (20,6)	8 x 7.78" (197,6)	.215"	8.53" (216,7)	7.29" (185,2)	8.5	LH	160-6987-BK
12.19" (309,6)	.81" (20,6)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	8.6	RH	160-7105-BK
12.19" (309,6)	.81" (20,6)	8 x 7.62" (193,6)	5/16-24	8.50" (215,9)	7.13" (181,1)	8.6	LH	160-7106-BK
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	8.8	RH	160-7103-BK
12.19" (309,6)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.50" (215,9)	6.38" (162,0)	8.8	LH	160-7104-BK
12.00" (304,8)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.41" (213,6)	6.38" (162,0)	8.3	RH	160-8496-BK
12.00" (304,8)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.41" (213,6)	6.38" (162,0)	8.3	LH	160-8497-BK
11.75" (298,5)	1.25" (31,8)	5 x 4.75" (120,7)	–	7.06" (179,3)	–	–	RH	160-11286-BK ⁽²⁾
11.75" (298,5)	1.25" (31,8)	5 x 4.75" (120,7)	–	7.06" (179,3)	–	–	LH	160-11285-BK ⁽²⁾
11.75" (298,5)	1.25" (31,8)	5 x 4.75" (120,7)	–	7.06" (179,3)	–	–	RH	160-11288-BK ⁽³⁾
11.75" (298,5)	1.25" (31,8)	5 x 4.75" (120,7)	–	7.06" (179,3)	–	–	LH	160-11287-BK ⁽³⁾
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,9)	6.38" (162,0)	8.0	RH	160-7101-BK
11.75" (298,5)	.81" (20,6)	8 x 7.00" (177,8)	.325"	8.34" (211,9)	6.38" (162,0)	8.0	LH	160-7102-BK
11.66" (296,2)	.72" (18,3)	8 x 7.00" (177,8)	.325"	8.25" (209,6)	6.38" (162,0)	7.1	RH	160-8592-BK
11.66" (296,2)	.72" (18,3)	8 x 7.00" (177,8)	.325"	8.25" (209,6)	6.38" (162,0)	7.1	LH	160-8593-BK
11.00" (279,4)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.7	RH	160-7099-BK
11.00" (279,4)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.7	LH	160-7100-BK
10.75" (273,1)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.2	RH	160-7097-BK
10.75" (273,1)	.81" (20,6)	6 x 6.25" (158,8)	.325"	7.00" (177,8)	5.59" (142,0)	7.2	LH	160-7098-BK
10.50" (266,7)	.75" (19,6)	6 x 5.50" (139,7)	.325"	6.75" (171,5)	4.94" (125,5)	6.4	RH	160-9249-BK
10.50" (266,7)	.75" (19,6)	6 x 5.50" (139,7)	.325"	6.75" (171,5)	4.94" (125,5)	6.4	LH	160-9250-BK

NOTES: (1) THESE ARE ONE PIECE HAT/ROTOR COMBINATION ROTORS UTILIZED AS OEM REPLACEMENTS FOR FRONT C-5, C-6 CORVETTE

(2) THESE ARE ONE PIECE HAT/ROTOR COMBINATION ROTORS UTILIZED AS OEM REPLACEMENTS FOR FRONT C-2, C-3 CORVETTE

(3) THESE ARE ONE PIECE HAT/ROTOR COMBINATION ROTORS UTILIZED AS OEM REPLACEMENTS FOR REAR C-2, C-3 CORVETTE

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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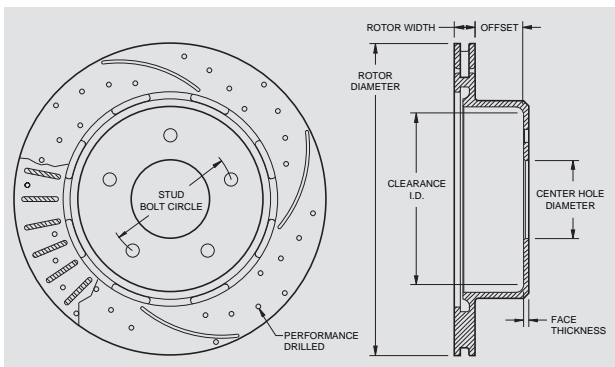
• ROTORS •



DISC / DRUM ROTORS FOR INTERNAL PARKING BRAKES

SRP BLACK ELECTRO COAT DRILLED PERFORMANCE SERIES ROTORS:

For custom, show, and high performance sport driving, **SRP** rotors offer the high tech look and improved performance of a directional cross-drill and face slot pattern. In addition to the aesthetic appeal, the venting and cleaning action of the hole and slot pattern helps to reduce pad glaze and minimize irregular pad build-up on the rotor faces. The results are a smoother engagement feel at the pedal and consistent response from the pads. Each rotor is precision machined to less than .001" tolerance for overall flatness, parallelism, and radial run-out on



Typical Dimensional Reference Guide



SRP Drilled & Slotted .81" Vented Rotor

long grain carbon iron castings. The rotors are finished with a black electro coat to provide corrosion resistance.

SRP BLACK ELECTRO COAT DRILLED PERFORMANCE ROTORS ORDERING INFORMATION:

DIAMETER	WIDTH	LUG PATTERN	STUD HOLE	OFFSET	SHOE I.D.	FACE THICKNESS	CENTER HOLE	ROTOR TYPE	PART NUMBER
12.75" (323,9)	.80" (20,3)	6 on 5.50"	.65"	2.30"	8.27"	.24"	3.10"	SRP-RH	160-8958-BK
12.75" (323,9)	.80" (20,3)	6 on 5.50"	.65"	2.30"	8.27"	.24"	3.10"	SRP-LH	160-8959-BK
12.27" (311,7)	.78" (19,8)	5 on 4.75"	.58"	2.08"	7.08"	.34"	2.96"	SRP-RH	160-8685-BK
12.27" (311,7)	.78" (19,8)	5 on 4.75"	.58"	2.08"	7.08"	.34"	2.96"	SRP-LH	160-8686-BK
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.45/.48/.52"	2.32"	7.24"	.18"	2.80"	SRP-RH	160-10050-BK
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.45/.48/.52"	2.32"	7.24"	.18"	2.80"	SRP-LH	160-10051-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.18"	2.80"	SRP-RH	160-9814-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.18"	2.80"	SRP-LH	160-9815-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.20"	2.82"	SRP-RH	160-11350-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.20"	2.82"	SRP-LH	160-11351-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	3.12"	SRP-RH	160-9989-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	3.12"	SRP-LH	160-9990-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	2.80"	SRP-RH	160-9812-BK
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	2.80"	SRP-LH	160-9813-BK
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.52"	2.31"	7.48"	.21"	2.80"	SRP-RH	160-8744-BK
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.52"	2.31"	7.48"	.21"	2.80"	SRP-LH	160-8745-BK
12.19" (309,6)	.81" (20,6)	Undrilled	—	1.91"	7.24"	.18"	2.80"	SRP-RH	160-6972-BK
12.19" (309,6)	.81" (20,6)	Undrilled	—	1.91"	7.24"	.18"	2.80"	SRP-LH	160-6973-BK
12.00" (304,8)	1.03" (26,2)	5 on 4.75"	.53"	.64"	7.48"	.26"	2.80"	SRP-RH	160-7767-BK
12.00" (304,8)	1.03" (26,2)	5 on 4.75"	.53"	.64"	7.48"	.26"	2.80"	SRP-LH	160-7768-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.20"	3.06"	SRP-RH	160-11376-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.20"	3.06"	SRP-LH	160-11377-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.20"	3.06"	SRP-RH	160-11374-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.20"	3.06"	SRP-LH	160-11375-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.75"	6.88"	.19"	2.80"	SRP-RH	160-10327-BK
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.75"	6.88"	.19"	2.80"	SRP-LH	160-10328-BK

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



HP PERFORMANCE SERIES ROTORS:

HP rotors are close tolerance machined with smooth turned pad faces. The additional mass of the HP series extends service life on heavier competition vehicles and other severe duty applications. They are also the base model for every day use.

Each rotor is precision machined to less than .001" tolerance for overall flatness, parallelism, and radial run-out on long grain carbon iron castings. Long grain carbon iron is used for its superior thermal conductivity and stability properties that resist distortion and fatigue.



HP Smooth Face Rotor

HP PERFORMANCE ROTORS ORDERING INFORMATION:

DIAMETER	WIDTH	LUG PATTERN	STUD HOLE	OFFSET	SHOE I.D.	FACE THICKNESS	CENTER HOLE	ROTOR TYPE	PART NUMBER
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.18"	2.80"	HP-R/L	160-9986
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	3.12"	HP-R/L	160-9987
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	2.82"	HP-R/L	160-11349
12.19" (309,6)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.18"	2.80"	HP-R/L	160-7508
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.45/.48/.52"	2.32"	7.24"	.18"	2.80"	HP-R/L	160-10049
12.19" (309,6)	.81" (20,6)	Undrilled	—	1.91"	7.24"	.18"	2.80"	HP-R/L	160-6868
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	2.32"	7.24"	.20"	3.06"	HP-R/L	160-11365
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.91"	7.24"	.20"	3.06"	HP-R/L	160-11364
11.00" (279,4)	.81" (20,6)	5 on 4.50/4.75/5.00"	.52"	1.75"	6.88"	.19"	2.80"	HP-R/L	160-10326

GT COMPETITION SERIES ROTORS:

GT rotors feature Wilwood's ultimate competition preparation with full detail machining, asymmetrical face slotting, and individual dynamic balancing. Full detail machining eliminates unnecessary weight and potential stress points. The venting and cleaning action of the asymmetrical face slot pattern helps to reduce pad glaze, minimize irregular pad build-up on the rotor faces, and interrupt engagement harmonics.

GT rotors run smooth, true, and vibration free at all speeds with the highest levels of performance in sustained high heat conditions.



GT Slotted Rotor

GT COMPETITION ROTORS ORDERING INFORMATION:

DIAMETER	WIDTH	LUG PATTERN	STUD HOLE	OFFSET	SHOE I.D.	FACE THICKNESS	CENTER HOLE	ROTOR TYPE	PART NUMBER
13.00" (330,2)	1.15" (29,2)	8 on 6.50"	.63"	1.90"	8.12"	.32"	4.63"	GT-R/L	160-8875
12.75" (323,9)	.80" (20,3)	6 on 5.50"	.65"	2.30"	8.27"	.24"	3.10"	GT-R/L	160-8957
12.27" (311,7)	.78" (19,8)	5 on 4.75"	.58"	2.08"	7.08"	.34"	2.96"	GT-RH	160-8683
12.27" (311,7)	.78" (19,8)	5 on 4.75"	.58"	2.08"	7.08"	.34"	2.96"	GT-LH	160-8684
12.19" (309,6)	.81" (20,6)	5 on 4.75"	.52"	2.31"	7.48"	.21"	2.76"	GT-R/L	160-8743
12.00" (304,8)	1.03" (26,2)	5 on 4.75"	.53"	.64"	7.48"	.26"	2.78"	GT-RH	160-8013
12.00" (304,8)	1.03" (26,2)	5 on 4.75"	.53"	.64"	7.48"	.26"	2.78"	GT-LH	160-8014



STEEL ROTORS

Steel Rotors:

Steel rotors have applications in all types of motorsports. Steel rotors provide a durable lightweight option in applications where sustained temperatures remain in the low to moderate range, and high heat spikes are only observed on an intermittent basis. This could be anything from a hard stopping drag race car at the end of a quarter mile, or a high speed stock car coming in from a qualifier at a super speedway. Steel rotors can also be found in lighter weight open wheel cars such as sprints and modifieds, and a variety of light weight, open wheel road course



Dynamic Mount SSP Rotor

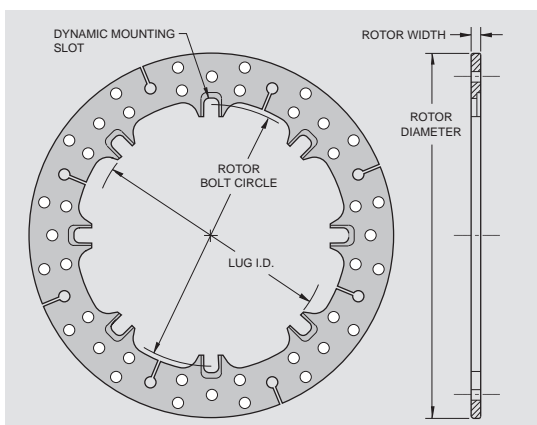
racers. A special alloy and proprietary manufacturing processes give these rotors high resistance to thermal distortion with excellent friction and wear characteristics against the pads.



8 Hole Lug Mount Rotor

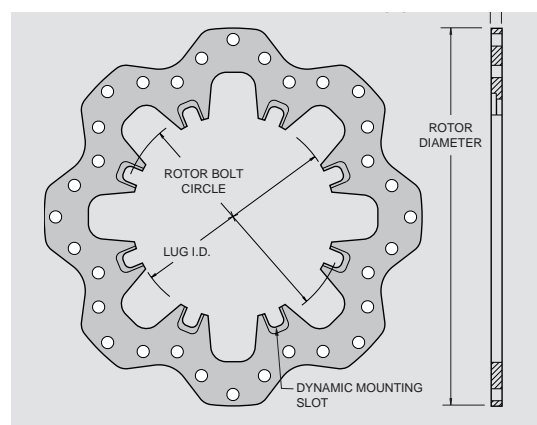
DYNAMIC MOUNT DRILLED STEEL ROTORS:

Dynamic mounting is the most effective method of eliminating all types of thermal stress and distortion in steel rotor applications. These rotors are machined with mounting slots that are used with special t-nuts and bolt kits. This mounting system allows the rotor to expand and contract independently of the mounting hat or hub as the rotor goes through temperature changes. This eliminates all strain or bind at the mounting points. The rotors run truer, last longer, and all undo stress on the hats or hubs is eliminated. Dynamic mounting is preferred in all applications where temporary, but extreme temperature spikes may cause high expansion rates in the steel. Wilwood also offers slotted



SSP Configuration

dynamic mount hats and plates that are used to provide "float" with a standard hole mount rotor, but the rotors in this category are machined for use on "fixed" mounts that require the "float" to be placed within the rotor itself.



Scalloped Configuration

ROTOR ORDERING INFORMATION:

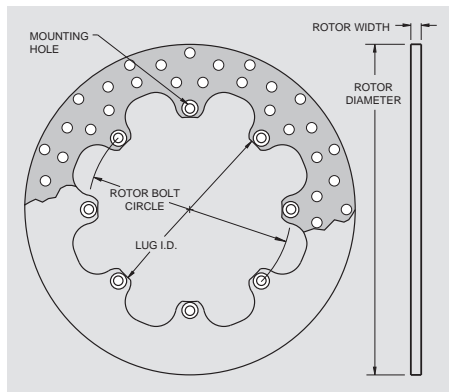
DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	LUG I.D.	BOLT KIT	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.90" (327,7)	.38" (9,7)	12 x 8.75" (222,3)	SLOT	8.25" (209,6)	230-4900	5.7	SSP	160-4766
12.19" (309,6)	.35" (8,9)	8 x 7.00" (177,8)	.325	6.38" (162,1)	(1, 2)	4.5	SCALLOP	160-9773
12.19" (309,6)	.35" (8,9)	8 x 7.00" (177,8)	SLOT	6.56" (166,6)	(1, 2)	4.8	SCALLOP	160-5538
12.19" (309,6)	.31" (7,9)	8 x 8.50" (215,9)	SLOT	8.00" (203,2)	230-4882	4.2	SSP	160-4880
11.75" (298,5)	.35" (8,9)	8 x 7.00" (177,8)	.325	6.38" (162,1)	(1, 2)	4.1	SCALLOP	160-9772
11.75" (298,5)	.35" (8,9)	8 x 7.00" (177,8)	SLOT	6.56" (166,6)	(1, 2)	4.5	SCALLOP	160-5855
10.50" (266,7)	.81" (20,6)	6 x 5.50" (139,7)	.325	4.94" (125,5)	230-9752	2.5	SCALLOP	160-11217 ⁽³⁾
10.50" (266,7)	.81" (20,6)	6 x 5.50" (139,7)	.325	4.94" (125,5)	230-9752	2.5	SCALLOP	160-11763 ⁽⁴⁾
10.50" (266,7)	.16" (4,1)	9 x 7.00" (177,8)	.266	6.25" (158,8)	230-10800	1.1	SCALLOP	160-10717 ⁽⁵⁾

NOTES: (1) TO MOUNT THIS ROTOR ON A 5/16-18 THREADED HAT OR HUB, USE BOLT AND T-NUT KIT 230-5308
 (2) TO MOUNT THIS ROTOR ON A SPRINT CAR OR OPEN WHEEL AXLE MOUNT CLAMP, USE BOLT AND T-NUT KIT 230-5567
 (3) THIS ROTOR IS STAINLESS
 (4) THIS ROTOR IS TITANIUM
 (5) THIS ROTOR IS UNCOATED

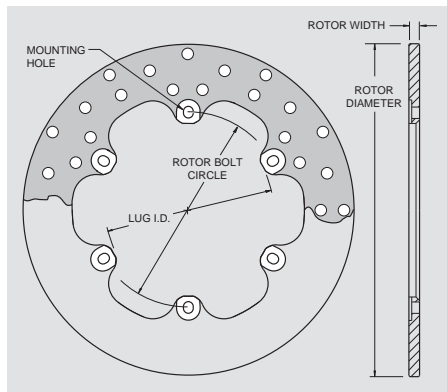
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

STANDARD HOLE MOUNT STEEL ROTORS:

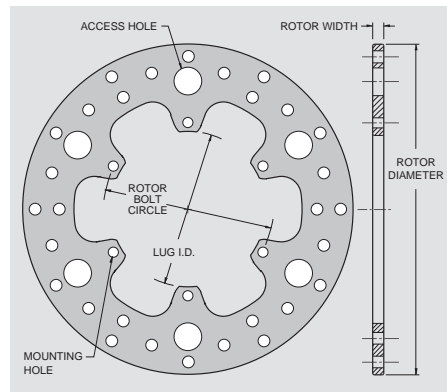
These rotors are most often directly mounted to "fixed" mount hats or mounting plates, but they can also be used with special dynamic slotted mount hats or plates that require the use of a standard hole mount disc. Each rotor size is available in the standard solid plate style, or weight drilled for lighter duty applications.



8 Bolt Lug Mount



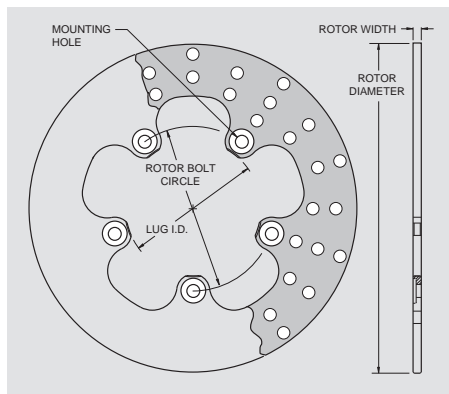
6 x 6.25" Lug Mount



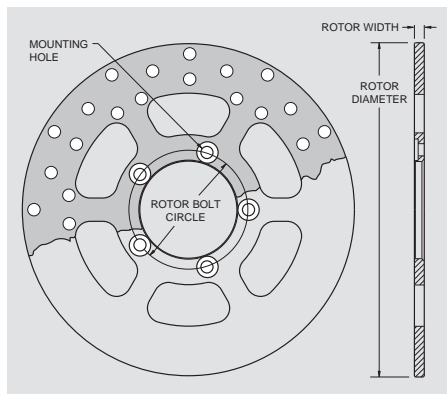
6 x 5.50" Lug Mount

6 AND 8 BOLT ROTOR ORDERING INFORMATION:

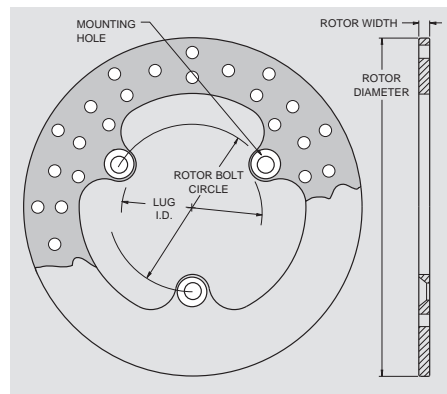
DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
12.00" (304,8)	.31" (7,9)	8 x 7.62" (193,6)	5/16-24	7.00" (177,8)	5.3	SOLID	160-0490
12.00" (304,8)	.31" (7,9)	8 x 7.62" (193,6)	5/16-24	7.00" (177,8)	4.6	DRILLED	160-0495
12.00" (304,8)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	6.0	SOLID	160-0524
12.00" (304,8)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	5.4	DRILLED	160-0525
11.75" (298,5)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	5.9	SOLID	160-3201
11.75" (298,5)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	5.3	DRILLED	160-3202
11.44" (290,6)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	5.4	SOLID	160-0201
11.44" (290,6)	.35" (8,9)	8 x 7.00" (177,8)	.325"	6.38" (162,0)	4.7	DRILLED	160-1601
11.44" (290,6)	.35" (8,9)	8 x 7.00" (177,8)	.316"	6.38" (162,0)	5.4	SOLID	160-7663
10.75" (273,1)	.35" (8,9)	6 x 6.25" (158,5)	.316"	5.54" (142,0)	5.2	SOLID	160-3305
10.75" (273,1)	.35" (8,9)	6 x 6.25" (158,5)	.316"	5.54" (142,0)	4.7	DRILLED	160-3306
10.50" (266,7)	.35" (8,9)	6 x 5.50" (139,7)	.325"	4.94" (125,5)	5.2	SOLID	160-10021
10.50" (266,7)	.35" (8,9)	6 x 5.50" (139,7)	.325"	4.94" (125,5)	4.7	DRILLED	160-3455
10.25" (260,4)	.35" (8,9)	6 x 5.50" (139,7)	.325"	4.94" (125,5)	4.6	DRILLED	160-3748



5 x 5.00" Lug Mount



5 x 3.88" Flange Window Mount



3 x 5.00" Lug Mount

3 AND 5 BOLT ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	LUG I.D.	WEIGHT LBS	ROTOR TYPE	PART NUMBER
11.00" (279,4)	.31" (7,9)	3 x 5.00" (127,0)	.500"	4.10" (104,1)	4.6	DRILLED	160-2084
11.00" (279,4)	.31" (7,9)	3 x 5.00" (127,0)	.500"	4.10" (104,1)	3.3	DRILLED	160-10475
10.25" (260,4)	.31" (7,9)	3 x 5.00" (127,0)	.500"	4.10" (104,1)	4.1	DRILLED	160-3458
10.00" (254,0)	.32" (8,2)	5 x 3.88" (98,6)	.391"	3.12" (79,2)	5.2	SOLID	160-2181
10.00" (254,0)	.32" (8,2)	5 x 3.88" (98,6)	.391"	3.12" (79,2)	4.8	DRILLED	160-2182
10.00" (254,0)	.25" (6,4)	5 x 5.00" (127,0)	.391"	4.10" (104,1)	3.6	SOLID	160-0867
10.00" (254,0)	.25" (6,4)	5 x 5.00" (127,0)	.391"	4.10" (104,1)	3.2	DRILLED	160-1602
9.88" (250,9)	.19" (4,8)	3 x 5.00" (127,0)	.500"	4.10" (104,1)	2.6	DRILLED	160-8621 ⁽¹⁾

NOTES: (1) THIS ROTOR IS POLYMETALLIC PLASMA COATED

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



ALUMINUM ROTORS

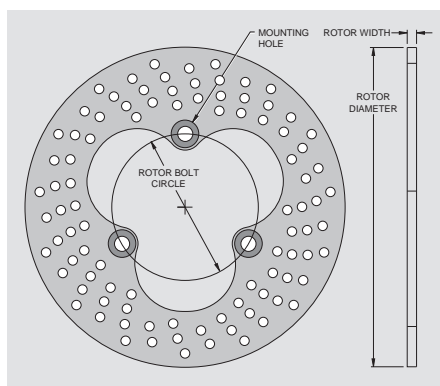
WARNING: SPECIAL RACING APPLICATION ONLY

ALUMINUM ROTORS ARE **UNSAFE** FOR STREET USE • ALUMINUM ROTORS ARE NOT SUITABLE FOR MOST FORMS OF RACING AND CAN RESULT IN CATASTROPHIC FAILURE WHEN MISUSED

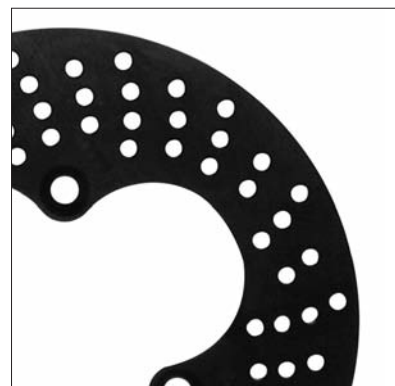
READ DISCLAIMER OF WARRANTY LOCATED AT THE REAR OF THE CATALOG

3 HOLE MOUNT ALUMINUM ROTORS:

Wilwood's 3 hole mount rotors are precision CNC machined from high strength billet plate. Full symmetrical machining provides perfect balance, perfect flatness and the truest rotation of any rotor being built. These rotors fit the popular 3 x 5.00" mount bolt circle found on most sprint and midget front hubs. Wilwood's engineered drill and



relief slot pattern combines the highest degree of weight reduction with the highest resistance to thermal distortion in the contact faces. You get smooth engagement and a consistent full pedal from the low knock-back characteristics of this design. A durable black anodized finish prevents corrosion and simplifies the visual inspection of the contact faces. The best results are always achieved using PolyMatrix Q compound brake pads with these rotors.

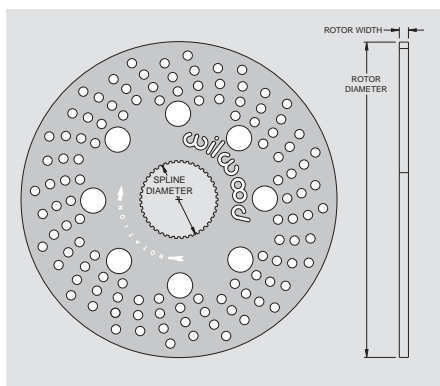


3 HOLE MOUNT ROTOR ORDERING INFORMATION:

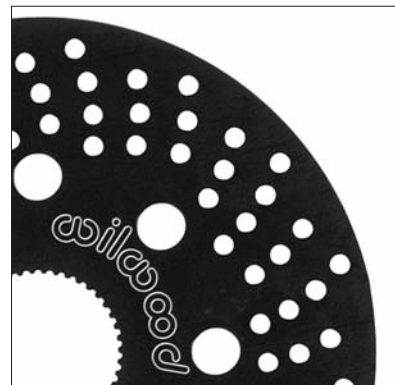
DIAMETER	WIDTH	BOLT CIRCLE	HOLE TYPE	WEIGHT LBS	ROTOR TYPE	PART NUMBER
10.95" (278,1)	.31" (7,9)	3 x 5.00" (127,0)	.516"	1.8	DRILLED	160-3327
10.20" (259,1)	.31" (7,9)	3 x 5.00" (127,0)	.516"	1.6	DRILLED	160-3411

SPLINED AXLE MOUNT ALUMINUM ROTORS:

Wilwood's 2.69" x 42 splined axle mount rotors are manufactured from the same high strength billets with the same precision as our 3 hole mount front rotors. Full symmetrical machining provides perfect balance, perfect flatness and the truest rotation of any aluminum rotor being built. Wilwood's engineered drill and relief slot pattern combines the



highest degree of weight reduction with the highest resistance to thermal distortion in the contact faces. You get smooth engagement and a consistent full pedal from the low knock-back characteristics of this design. A durable black anodized finish prevents corrosion and simplifies the visual inspection of the contact faces. The best results are always achieved using PolyMatrix Q compound brake pads with these rotors.



SPLINED MOUNT ROTOR ORDERING INFORMATION:

DIAMETER	WIDTH	BOLT CIRCLE	WEIGHT LBS	ROTOR TYPE	PART NUMBER
10.95" (278,1)	.31" (7,9)	3 x 42 SPLINE	2.3	DRILLED	160-3275
10.20" (259,1)	.31" (7,9)	3 x 42 SPLINE	1.9	DRILLED	160-3270

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

ROTOR BEDDING-IN



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ROTOR BEDDING:

All new iron rotors should be bedded-in before being used under racing conditions. Proper bedding-in will prepare the rotor surface, prolong the rotor's life and make it more resistant to thermal checking or cracking under severe braking conditions. The following procedures should be followed when bedding-in rotors:

- Thoroughly inspect all brake system components before proceeding to track. Check all bolt connections, make sure mounting bolts and rotor bolts are properly lockwired, that brake pads are properly secured by retaining clips or cotter pins, that master cylinders and brake pedals are working properly, that brakes are properly bled with plenty of fluid, and that proper engagement of brakes occur when pedal is depressed.
- Because the bedding process is different for rotors and pads, it is best to bed-in a new rotor (disc) using a used set of pads, preferably ones which will not create heat rapidly. Generating heat too quickly will thermal shock the rotors. Likewise, when bedding-in a new set of brake pads, use a used rotor. This new-used bedding process permits controlled bedding of each individual component.
- Make sure that the rotor surfaces are free from oils, grease and brake fluid.
- Close air ducts approximately 75% to expedite the bedding-in process.
- Run vehicle up to moderate speed and make several medium deceleration stops to heat up the rotor slowly. This will help reduce the chance of thermal shock caused by un-even heating of the rotor.
- Pull into the pits and allow the rotor to cool to ambient air temperature.
- Do not hold brakes on after performing the bedding-in procedure until cooling is completed. This will avoid "hot spotting" or un-even cooling which can damage the rotor.

ROTOR RUNOUT:

Rotor runout should be adjusted as soon as you receive your Wilwood components. Wilwood rotors are precision machined to ensure the rotor surfaces are flat and parallel. Sometimes hubs, bearings or other components have runout that cause the rotor to runout. As a rule of thumb, allowable runout should be .005" - .008". Adjust the runout by re-indexing the rotor or by placing shims between the rotor and hub or hat. Runout should be rechecked regularly. You can assume the runout to be acceptable as long as you are not experiencing brake drag, pedal oscillation or excessive piston knock back.

ROTOR WEAR:

Rotors will eventually start to show signs of wear; how fast depends on the type of racing, the frequency, and the brake usage. Grooving and/or cracking due to severe heat and thermal cycling indicate the rotor should be replaced. Note that surface checking itself is not a sign a rotor needs replacing as this can occur on iron rotors. Always replace rotor mounting bolts and lockwire whenever replacing rotors, taking care to inspect mounting hats or hubs for signs of abuse.

WILWOOD PRE-BEDDING SERVICE:

Wilwood offers many of their rotors "PRE-BEDDED" at the factory utilizing a computerized brake dynamometer that ensures a consistent "bed" from rotor to rotor. This yields "ready-to-race" rotors, which eliminates valuable practice laps when time is at a premium.

Please contact your Wilwood representative for price and availability.



"Dyno" Rotor Bedding-in

• ROTORS •

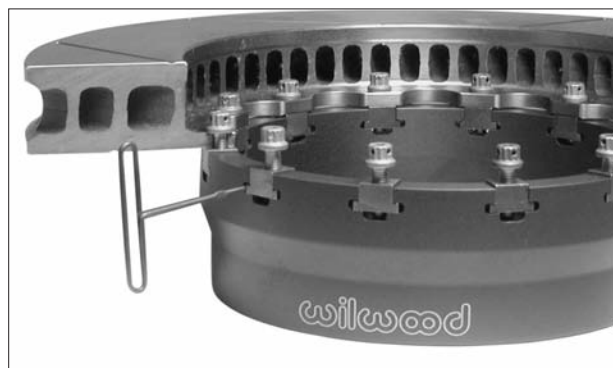


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• ROTOR MOUNTING HATS •

DYNAMIC ROTOR MOUNTING SYSTEMS

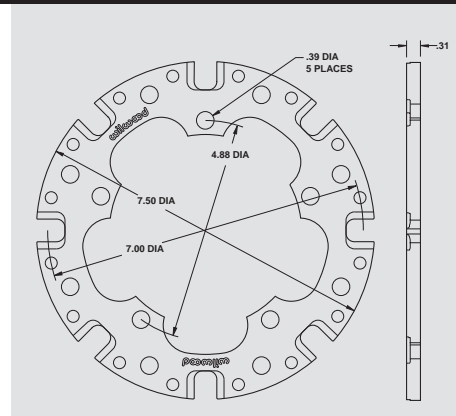
Wilwood's Dynamic Rotor Mounting System provides the most accurate and durable method of isolating potential pad engagement harmonics and the in-service thermal variances that occur between the mounting hat or plate and the rotor. The Wilwood system places the "float" within the hat or plate, and then allows the use of standard through-hole mount rotors. The ability to use through-hole mount rotors provides increased durability, improved accuracy, and a wider variety of selections over slotted mount hole rotor designs. Wilwood's square faced T-nuts provide a substantially wider load-bearing surface as compared to the round pin and bobbin type mounts. Each rotor bolt and T-nut kit includes an installation tool that correctly positions the T-nut during the assembly process. This assures bind-free operation right from the start. The results are felt with truer running, smoother engagement, extended reliability, and consistent pedal feel after every lap.



DYNAMIC MOUNT ROTOR PLATES FOR 5 X 5 HUBS:



These "dynamic" mount plates replace the "fixed" mount plates used on 5 x 5 lug pattern racing hubs designed for integral backside rotor mounting. Each plate is precision machined from premium alloy aluminum offering high strength with low rotating and unsprung weight. The rotor bolt and T-Nut kits allow "float" mounting of any standard 5/16" hole rotor with an 8 on 7" bolt circle.



DYNAMIC MOUNT ROTOR PLATES FOR 5 X 5 HUBS ORDERING INFORMATION:

ROTOR BOLT CIRCLE	HUB MOUNTING BOLT PATTERN	PLATE OFFSET	HUB MOUNT HOLE I.D.	PLATE LUG I.D.	PLATE O.D.	PLATE THICKNESS	ROTOR MOUNT	PLATE PART NUMBER	BOLT & T-NUT KIT NUMBER
8 x 7.00"	5 x 4.88"	0"	.39"	4.26"	7.50"	.31"	T-SLOT	300-7107	230-6710

DYNAMIC MOUNT ROTOR PLATES FOR WIDE 5 HUBS:



These plates attach directly to the rotor mount bosses on wide 5 hubs and use the T-Nut rotor bolt kits (shown below) to "float" mount any standard 5/16" hole rotor with an 8 on 7" bolt circle. Use of these plates requires hubs that have been specially machined to compensate for the plate thickness to maintain the original rotor position. Starlite and Starlite "55" hubs can be found on pages 98-100.



DYNAMIC MOUNT ROTOR PLATES FOR WIDE 5 HUBS ORDERING INFORMATION:

ROTOR BOLT CIRCLE	HUB MOUNTING BOLT PATTERN	PLATE OFFSET	HUB MOUNT HOLE I.D.	PLATE LUG I.D.	PLATE O.D.	PLATE THICKNESS	ROTOR MOUNT	PLATE PART NUMBER	BOLT & T-NUT KIT NUMBER
8 x 7.00"	8 x 7.00"	0"	.32"	5.50"	7.60"	.24"	T-SLOT	300-8431	230-8454

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

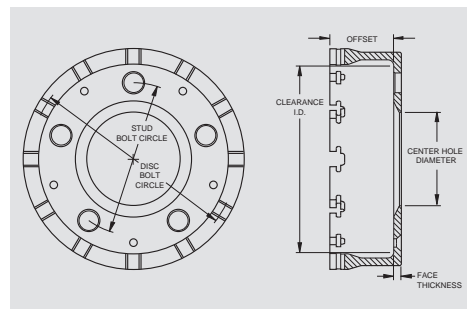
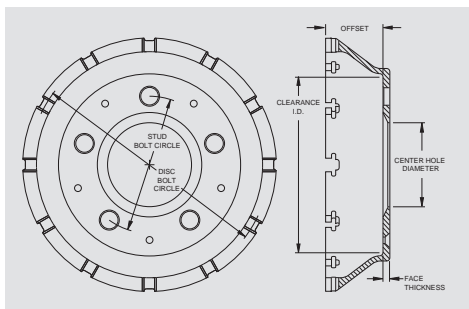
GT SERIES DYNAMIC MOUNT ROTOR HATS:

GT Series Dynamic Mount Rotor Hats are engineered to withstand the rigors and demands of extreme motorsports competition. Each hat is precision machined from premium grade aluminum offering high strength with low unsprung and rotating weight. Wilwood T-nuts float within the hat and provide true dynamic mounting of a standard through-hole mount rotor. The wide load bearing load surface of the T-nut and the straight through-hole mount rotors provide the



most durable and accurate method of isolating potential pad engagement harmonics and the in-service thermal variations that occur between the hat and the rotor.

GT Series Dynamic Mount Hats are available in a variety of configurations for use with racing hubs, flanged axles, and several OE applications. Straight bell hats are used for the 6.75" and 7.00" rotor mount patterns. Hats for the larger diameter rotor mount patterns will be the flared bell design. Use the charts below to match the rotor mount circle, lug pattern, offset, and the other dimensions necessary for each application.



ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	BOLT & T-NUT KIT NUMBER	NOTES
12 x 8.75"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.40"	T-SLOT	170-6583	230-6656	(1)
12 x 8.75"	5 x 5.00"	1.88"	.64"	3.06"	.25"	6.40"	T-SLOT	170-7652	230-6656	(1)
12 x 8.38"	5 x 5.00"	1.88"	.64"	3.06"	.25"	6.40"	T-SLOT	170-7650	230-6656	(1)
12 x 7.00"	5 x 5.00"	1.88"	.64"	3.06"	.25"	6.40"	T-SLOT	170-7651	230-6656	(1)
12 x 6.75"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.12"	T-SLOT	170-6517	230-6656	(1)
12 x 6.75"	5 x 5.00"	1.88"	.64"	3.06"	.25"	6.12"	T-SLOT	170-7400	230-6656	(1)
12 x 6.75"	5 x 5.00"	1.74"	.64"	3.06"	.25"	6.12"	T-SLOT	170-7399	230-6656	(1)
8 x 8.50"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.40"	T-SLOT	170-6582	230-6709	(1)
8 x 7.00"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.64"	T-SLOT	170-6581	230-6710	(1)
8 x 7.00"	5 x 4.75/5.00"	1.96"	.70"	3.06"	.25"	6.40"	T-SLOT	170-7662	230-7666	(2)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.96"	.52"	3.06"	.25"	6.40"	T-SLOT	170-7661	230-7666	(2)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.64"	.52"	2.80"	.25"	6.32"	T-SLOT	170-11187	230-7666	(2)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.41"	.52"	3.06"	.25"	6.32"	T-SLOT	170-7694	230-7666	(2)

NOTES:

- (1) THIS HAT IS DRILLED AND COUNTERSUNK TO ACCOMMODATE HAT TO HUB ANCHORING SCREWS. SCREW KIT P/N 230-2482 CONTAINS FIVE (5) GRADE 8 1/4-28 X 1.00" COUNTERSUNK FLAT HEAD HEX DRIVE SCREWS AND SHOULD BE ORDERED IN ADDITION TO THE HAT
- (2) ROTOR BOLT AND T-NUT KIT P/N 230-7666 INCLUDES A SHORT PROFILE HEX HEAD BOLT THAT PROVIDES ADDITIONAL CLEARANCE BETWEEN THE BOLT HEAD AND THE CALIPER MOUNT BRACKET USED ON WILWOOD DYNAMIC MOUNT REAR DRAG KITS. THESE HATS ARE ALSO COMPATIBLE WITH BOLT AND T-NUT KIT P/N 230-6710 ON OTHER APPLICATIONS WHERE ADDITIONAL CLEARANCE EXISTS BETWEEN THE ROTOR BOLT HEAD AND THE CALIPER MOUNTING HARDWARE

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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• ROTOR MOUNTING HATS •



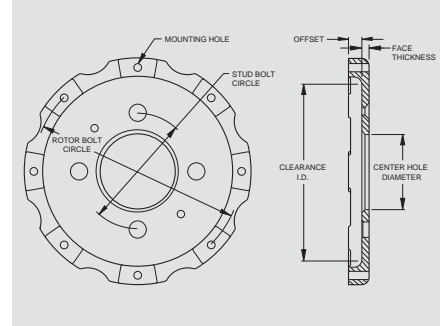
FIXED MOUNT ROTOR HATS

GT Series Fixed Mount Rotor Hats

GT Series Hats are precision machined from premium aluminum alloys for high strength and attention to minimized weight. Hats in this category feature threaded rotor mount holes for use with standard through-hole mount rotors. Threaded hole hats may also be used with T-Nuts or bobbins designed for use with specially machined slotted hole dynamic mount rotors. When used in conjunction with matched Wilwood rotor hardware kits, **GT** hats provide solid, reliable performance in the most demanding conditions.

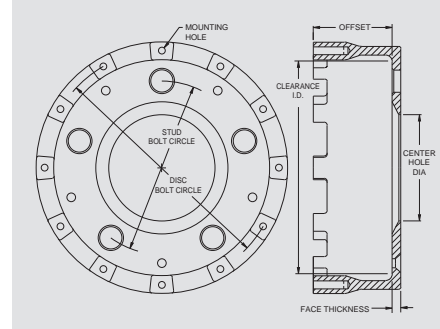
SHALLOW OFFSET HATS:

Shallow Offset Hats are for narrow space applications with offsets often less than 1.00". They are available for most rotor bolt patterns in a variety of four and five lug wheel patterns.



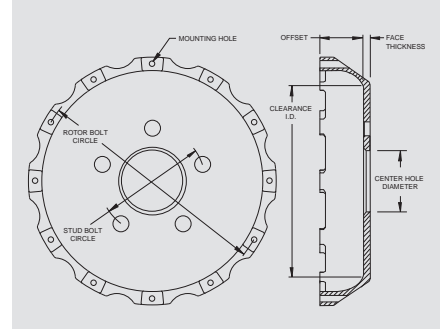
STRAIGHT BELL HATS:

Straight Bell Hats are most often used with 11.75" to 13.00" diameter rotors with 6.75" or 7.00" rotor mount bolt circle rotors on stock car front hubs and rear axles.



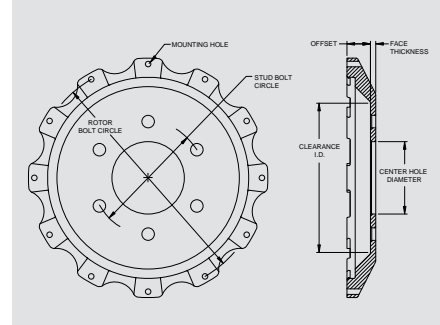
FLARED BELL HATS:

Flared Bell Hats are generally used with rotor mount bolt circles of 8.38" and larger. Offsets range from 1.88" to 3.00" for rotor diameters 12.19" and up.



TRUCK HATS:

Truck Hats feature strengthening ribs on a flared bell configuration for big rotor brake kits on truck, SUV, and 4WD axles with either 6 or 8 lug configurations.



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

GT SERIES FIXED MOUNT ROTOR HATS:

GT Series Fixed Mount Rotor Hats are available in a variety of configurations for use with racing hubs, flanged axles, and several OE applications. Use the chart below to match the rotor mount circle, lug pattern, offset, and other dimensions necessary for each application.

ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	ROTOR BOLT KIT NUMBER	NOTES
12 x 10.75"	8 x 6.50"	1.55"	.63"	4.64"	.45"	7.85"	5/16-18	170-8878	230-9068	
12 x 10.75"	6 x 5.50"	.813"	.63"	3.09"	.45"	7.21"	5/16-18	170-8960	230-9068	
12 x 10.75"	6 x 5.32"	1.11"	.59"	3.42"	.25"	7.05"	5/16-18	170-9066	230-9068	
12 x 9.19"	6 x 5.50"	.813"	.63"	3.09"	.45"	8.14"	1/4-28	170-9891	230-8217	
12 x 9.19"	5 x 4.75"	0.41"	.52"	2.78"	.30"	8.14"	1/4-20	170-8073	230-4572	
12 x 9.19"	5 x 4.75"	0.29"	.52"	2.78"	.30"	8.14"	1/4-20	170-8920	230-4572	
12 x 8.75"	6 x 5.50"	0.99"	.58"	3.97"	.38"	7.37"	1/4-20	170-9523	230-4572	
12 x 8.75"	5 x 5.00"	2.25"	.64"	3.06"	.25"	6.40"	1/4-20	170-4568	230-4572	(1)
12 x 8.75"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.40"	1/4-20	170-4844	230-4572	(1)
12 x 8.75"	5 x 4.50/4.75"	1.20"	.52"	3.00"	.25"	6.93"	1/4-20	170-8883	230-4572	
12 x 8.75"	5 x 4.75"	1.62"	.52"	3.06"	.25"	6.85"	1/4-20	170-10753	230-8008	
12 x 8.75"	5 x 4.75"	0.88"	.52"	2.78"	.30"	7.13"	1/4-20	170-6837	230-4572	
12 x 8.75"	5 x 4.75"	0.71"	.52"	2.78"	.31"	7.49"	1/4-20	170-10533	230-4572	
12 x 8.75"	5 x 4.75"	0.56"	.52"	3.12"	.29"	7.75"	1/4-20	170-8815	230-4572	
12 x 8.75"	5 x 4.75"	0.41"	.52"	2.78"	.30"	7.72"	1/4-20	170-8132	230-4572	
12 x 8.75"	5 x 4.75"	0.29"	.52"	2.78"	.26"	7.72"	1/4-20	170-8919	230-8008	
12 x 8.75"	5 x 4.72"	0.71"	.48"	3.12"	.25"	7.49"	1/4-20	170-10970	230-8008	
12 x 8.75"	5 x 4.72"	0.53"	.64"	2.66"	.30"	7.24"	1/4-20	170-11305	230-4572	
12 x 8.75"	5 x 4.72/4.50"	1.00"	.67"	2.82"	.39"	7.75"	1/4-20	170-8757	230-4572	
12 x 8.75"	5 x 4.50/4.75"	2.00"	.52"	3.06"	.25"	6.40"	1/4-20	170-7038	230-8008	
12 x 8.75"	5 x 4.50/4.75"	1.88"	.52"	3.06"	.25"	6.40"	1/4-20	170-6994	230-4572	
12 x 8.75"	5 x 4.50/4.75"	1.75"	.52"	3.06"	.25"	6.40"	1/4-20	170-7467	230-8008	
12 x 8.75"	5 x 4.50/4.75"	1.20"	.52"	3.06"	.25"	7.25"	1/4-20	170-10231	230-8008	
12 x 8.75"	5 x 4.50"	0.81"	.52"	3.06"	.25"	7.25"	1/4-20	170-6126	230-4572	
12 x 8.75"	5 x 4.50"	0.75"	.52"	2.69"	.38"	7.25"	1/4-20	170-9294	230-4572	
12 x 8.75"	5 x 4.50"	0.64"	.58"	2.80"	.31"	6.30"	1/4-20	170-9128	230-8008	
12 x 8.75"	5 x 4.50"	0.54"	.52"	2.77"	.25"	7.25"	1/4-20	170-10294	230-4572	
12 x 8.75"	5 x 4.50"	0.54"	.52"	2.69"	.38"	7.25"	1/4-20	170-9289	230-4572	
12 x 8.75"	5 x 4.50"	0.54"	.52"	2.53"	.25"	7.25"	1/4-20	170-10295	230-4572	
12 x 8.75"	5 x 4.50"	0.54"	.52"	2.44"	.25"	7.45"	1/4-20	170-10761	230-8008	
12 x 8.75"	5 x 4.50"	0.41"	.58"	2.80"	.27"	7.75"	1/4-20	170-6223	230-4572	
12 x 8.75"	5 x 4.50"	0.21"	.52"	2.72"	.25"	8.01"	1/4-20	170-9558	230-8008	
12 x 8.75"	5 x 3.94"	1.10"	.52"	2.29"	.27"	7.02"	1/4-20	170-6990	230-4572	
12 x 8.75"	5 x 3.93"	0.71"	.52"	2.17"	.30"	7.49"	1/4-20	170-9011	230-4572	
12 x 8.75"	4 x 4.25"	0.81"	.52"	3.06"	.25"	7.25"	1/4-20	170-6157	230-4572	
12 x 8.75"	4 x 3.93"	0.55"	.52"	2.17"	.25"	7.49"	1/4-20	170-8357	230-4572	
12 x 7.06"	5 x 4.75"	0.25"	.52"	2.78"	.30"	6.18"	1/4-20	170-7746	230-8008	
12 x 7.00"	5 x 4.75"	0.81"	.52"	2.78"	.30"	6.00"	1/4-20	170-8492	230-4572	
12 x 7.00"	5 x 4.50/4.75"	2.01"	.54"	2.66"	.25"	5.93"	1/4-20	170-9321	230-4572	
12 x 7.00"	5 x 4.50"	0.35"	.58"	2.80"	.27"	6.19"	1/4-20	170-8588	230-8008	
12 x 7.00"	5 x 4.50"	0.21"	.52"	2.72"	.25"	6.22"	1/4-20	170-8750	230-8008	
12 x 6.75"	5 x 4.75"	0.75"	.52"	3.11"	.29"	5.84"	1/4-20	170-8687	230-8008	
8 x 8.50"	5 x 5.00"	2.50"	.64"	3.06"	.25"	6.40"	1/4-20	170-5588	230-4572	(1)
8 x 7.00"	5 x 5.00"	2.12"	.64"	3.06"	.25"	6.64"	5/16-18	170-2522	230-2589	(1)
8 x 7.00"	5 x 4.75"	0.88"	.52"	2.78"	.30"	6.00"	5/16-18	170-8493	230-8390	
8 x 7.00"	5 x 4.75"	1.59"	.52"	2.78"	.25"	6.04"	5/16-18	170-10782	230-8390	
8 x 7.00"	5 x 4.50/4.75"	1.43"	.52"	3.00"	.25"	6.04"	5/16-18	170-7632	230-3484	
8 x 7.00"	5 x 4.50"	1.23"	.58"	2.80"	.25"	7.90"	5/16-18	170-10041	230-8390	
8 x 7.00"	5 x 4.50"	1.05"	.58"	2.78"	.28"	6.02"	5/16-18	170-8589	230-8390	
8 x 7.00"	5 x 4.50"	0.94"	.48/.52"	2.66"	.24"	5.90"	5/16-18	170-8320	230-8390	(2)
8 x 7.00"	5 x 4.50"	0.75"	.50"	2.80"	.25"	7.90"	5/16-18	170-10040	230-8390	
8 x 7.00"	5 x 4.50"	0.72"	.50"	2.53"	.25"	5.90"	5/16-18	170-6947	230-8390	
8 x 7.00"	5 x 4.50"	0.65"	.58"	2.80"	.25"	5.90"	5/16-18	170-10690	230-8390	
8 x 7.00"	5 x 4.38"	1.01"	.45"	3.25"	.25"	5.88"	5/16-18	170-8386	230-8390	
8 x 7.00"	5 x 3.94"	1.09"	.52"	2.28"	.27"	5.27"	5/16-18	170-9206	230-8390	
8 x 7.00"	5 x 3.93"	0.77"	.50"	2.30"	.32"	5.90"	5/16-18	170-8324	230-8390	
8 x 7.00"	5 x 3.93"	0.50"	.55"	2.40"	.25"	5.90"	5/16-18	170-6378	230-8390	
8 x 7.00"	5 x 3.93"	0.41"	.58"	2.56"	.25"	5.90"	5/16-18	170-8269	230-8390	
8 x 7.00"	4 x 4.50"	0.72"	.50"	2.72"	.25"	5.90"	5/16-18	170-6996	230-8390	
8 x 7.00"	4 x 3.93"	1.16"	.50"	2.53"	.25"	5.90"	5/16-18	170-8405	230-8390	
8 x 7.00"	4 x 3.93"	0.83"	.64"	2.53"	.26"	5.90"	5/16-18	170-10650	230-8390	
8 x 7.00"	4 x 3.93"	0.83"	.52"	2.53"	.26"	5.90"	5/16-18	170-8645	230-8390	
8 x 7.00"	4 x 3.93"	0.75"	.50"	2.41"	.32"	5.90"	5/16-18	170-10200	230-8390	
8 x 7.00"	4 x 3.93"	0.45"	.64"	2.53"	.25"	5.90"	5/16-18	170-10868	230-8390	
8 x 7.00"	4 x 3.93"	0.45"	.50"	2.53"	.25"	5.90"	5/16-18	170-6288	230-8390	
8 x 7.00"	Undrilled	1.22"	N/A	2.17"	.26"	6.40"	5/16-18	171-8976	230-8390	
8 x 7.00"	Undrilled	0.73"	N/A	2.40"	.25"	5.90"	5/16-18	171-7671	230-8390	
6 x 6.25"	4 x 3.93"	0.75"	.50"	2.41"	.32"	5.20"	5/16-18	170-10199	230-8991	
6 x 6.25"	4 x 3.93"	0.66"	.50"	2.53"	.32"	5.10"	5/16-18	170-8643	230-8991	
6 x 6.25"	Undrilled	0.77"	N/A	2.17"	.32"	5.10"	5/16-18	171-8975	230-8991	

NOTES: (1) THIS HAT IS DRILLED AND COUNTERSUNK TO ACCOMMODATE HAT TO HUB ANCHORING SCREWS. SCREW KIT P/N 230-2482 CONTAINS FIVE (5) GRADE 8 1/4-28 X 1.00" COUNTERSUNK FLAT HEAD HEX DRIVE SCREWS AND SHOULD BE ORDERED IN ADDITION TO THE HAT
(2) (3).48" / .52" DUAL PATTERN 5 X 4.50 STUD HOLE SIZES

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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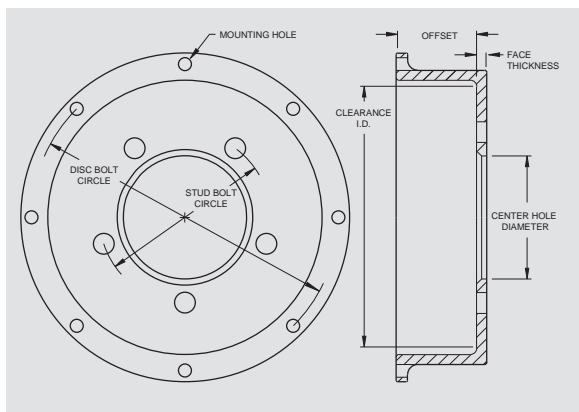
• ROTOR MOUNTING HATS •



FIXED MOUNT ROTOR MOUNTING HATS

HD SERIES FIXED MOUNT ROTOR HATS:

Wilwood's HD Series Fixed Mount Rotor Hats have a long standing reputation for fit, performance, and durability. **HD** Series hats are manufactured from premium grade aluminum alloys offering high strength, low weight, and show quality appeal. **HD** hats have not only been a mainstay in many of Wilwood's racing disc brake conversion kits, but they can cover a range of applications from an OE four lug axle shaft to a Grand-National stock car racing hub. **HD** hats feature a straight bell construction with a flanged rotor mount ring. These features combine to provide maximum radial clearance between the caliper body and the hat. This can be a critical factor when trying to squeeze a large caliper inside a small wheel. Many hats offer multi-lug wheel patterns for added versatility. Some hats can be ordered blank for custom axle building and other unique applications.



The **HD** hat configurations are divided into two groups. There are threaded hole hats for use with through-hole mount rotors, and there are through-hole mount hats for use with threaded hole rotors. When used with matching Wilwood rotor hardware, these hats provide solid mounting for a wide range of custom and competition disc brake applications. Use the charts below to match the rotor mount, lug pattern, offset, and the other dimensions necessary for each application.



HD FIXED MOUNT ALUMINUM HATS FOR 5/16-24 THREADED HOLE ROTORS ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	ROTOR BOLT KIT NUMBER	NOTES
8 x 7.62"	6 x 5.00"	2.00"	.64"	3.50"	.25"	6.50"	.323"	170-0089	230-0150	(2)
8 x 7.62"	5 x 4.50/4.75/5.00"	2.00"	.52"	3.06"	.25"	6.50"	.323"	170-1827	230-0150	
8 x 7.62"	5 x 4.75"	1.50"	.51"	2.85"	.50"	6.51"	.323"	170-0176	230-0150	
8 x 7.62"	5 x 4.50"	2.10"	.50"	2.75"	.25"	6.31"	.323"	170-0636	230-0150	
8 x 7.62"	5 x 4.50"	1.38"	.67"	3.23"	.25"	6.27"	.323"	170-0635	230-0150	
8 x 7.62"	5 x 4.50"	1.25"	.52"	3.06"	.25"	6.32"	.323"	170-3265	230-0150	
8 x 7.62"	4 x 4.25"	2.00"	.52"	3.06"	.25"	6.50"	.323"	170-2637	230-0150	
8 x 7.62"	4 x 4.25"	1.25"	.52"	3.06"	.25"	6.32"	.323"	170-3149	230-0150	
8 x 7.62"	Undrilled	2.00"	—	2.78"	.25"	6.50"	.323"	171-2233	230-0150	

HD FIXED MOUNT ALUMINUM HATS FOR 5/16' THROUGH-HOLE ROTORS ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	ROTOR BOLT KIT NUMBER	NOTES
8 x 7.00"	5 x 4.75/5.00"	1.96"	.70"	3.06"	.25"	6.14"	5/16-18	170-5244	230-0233D	(1)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.96"	.52"	3.06"	.25"	6.14"	5/16-18	170-0208	230-0233D	(1)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.77"	.52"	3.06"	.25"	6.14"	5/16-18	170-0357	230-0233D	(1)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.71"	.52"	3.06"	.25"	6.14"	5/16-18	170-0259	230-0233D	(1)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.59"	.52"	3.06"	.25"	6.14"	5/16-18	170-0317	230-0233D	(1)
8 x 7.00"	5 x 4.50/4.75/5.00"	1.41"	.52"	3.06"	.50"	6.14"	5/16-18	170-0764	230-0233D	(1)
8 x 7.00"	Undrilled	1.96"	—	3.06"	.25"	6.14"	5/16-18	171-3753	230-0233D	(1)
8 x 7.00"	Undrilled	1.71"	—	3.06"	.25"	6.14"	5/16-18	171-3754	230-0233D	(1)
8 x 7.00"	Undrilled	1.59"	—	3.06"	.25"	6.14"	5/16-18	171-3755	230-0233D	(1)
8 x 7.00"	Undrilled	1.41"	—	2.78"	.50"	6.14"	5/16-18	171-2234	230-0233D	(1)

NOTES:

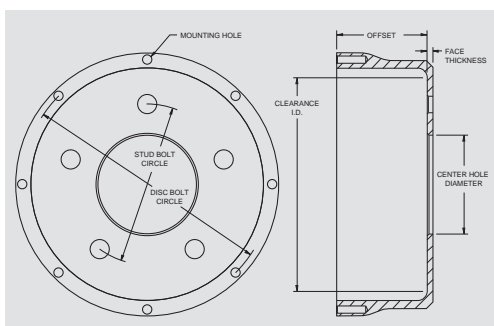
- (1) ROTOR BOLT KIT P/N 230-0233D INCLUDES A SHORT PROFILE HEX HEAD BOLT THAT PROVIDES ADDITIONAL CLEARANCE BETWEEN THE BOLT HEAD & THE CALIPER MOUNTING HARDWARE AS USED IN WILWOOD LIGHTWEIGHT REAR DRAG KITS. THESE HATS CAN ALSO BE USED WITH BOLT KIT P/N 230-2589, OTHER APPLICATIONS WHERE ADDITIONAL CLEARANCE EXISTS BETWEEN THE ROTOR BOLT HEAD & THE CALIPER MOUNT HARDWARE
- (2) THIS HAT IS UN-ANODIZED

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



FIXED MOUNT IRON HATS FOR INTERNAL SHOE PARKING BRAKES AND BOLT-ON ROTORS:

These premium grade cast iron hats make it possible to use bolt-on rotors on vehicles equipped with internal shoe parking brake assemblies. Each hat is a precision machined, threaded hole design for use in conjunction with through-hole mount rotors. After machining, the hats are zinc plated for corrosion resistance. Use the charts below to match the rotor mount circle, lug pattern, offset, and other dimensions necessary for each application.

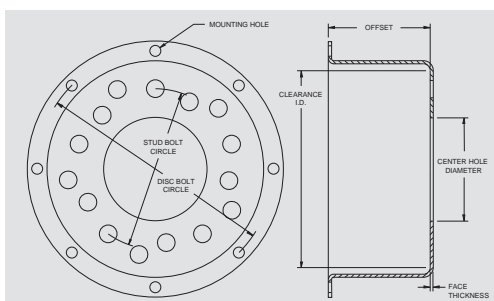


ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	ROTOR BOLT KIT NUMBER	NOTES
12 x 10.75"	8 x 6.50"	1.91"	.64"	4.83"	.39"	7.87"	5/16-24	170-9607	230-9587	
12 x 10.75"	8 x 6.50"	1.78"	.64"	4.63"	.32"	7.87"	5/16-24	170-9608	230-9587	
12 x 9.18"	6 x 5.50"	2.34"	.63"	3.09"	.24"	7.29"	1/4-28	170-9890	230-8217	
12 x 8.75"	5 x 4.50/4.75/5.00"	1.95"	.52"	2.80"	.18"	6.85"	1/4-28	170-9493	230-8217	
12 x 8.75"	5 x 4.50/4.75/5.00"	1.54"	.52"	2.80"	.18"	6.85"	1/4-28	170-9492	230-8217	
12 x 8.75"	5 x 5.00"	1.54"	.52"	3.12"	.18"	6.85"	1/4-28	170-9984	230-8217	
12 x 8.75"	5 x 4.75"	1.32"	.52"	2.78"	.25"	6.47"	1/4-28	170-9839	230-8217	
12 x 8.75"	5 x 4.75"	0.67"	.52"	2.78"	.25"	7.10"	1/4-28	170-8169	230-8217	
12 x 8.75"	5 x 4.50"	1.21"	.51"	2.69"	.20"	6.65"	1/4-28	170-9455	230-8217	
12 x 8.75"	5 x 4.50"	0.81"	.51"	3.54"	.20"	6.11"	1/4-28	170-9599	230-8217	
12 x 8.75"	5 x 4.72"	0.73"	.64"	2.66"	.25"	6.26"	1/4-28	170-11306	230-8217	
8 x 7.78"	5 x 4.50/4.75/5.00"	2.39"	.52"	3.06"	.18"	6.63"	1/4-28	170-6239	230-6409	
8 x 7.78"	5 x 4.72"	2.08"	.55"	3.42"	.25"	5.87"	1/4-28	170-10961	230-7011	
8 x 7.78"	5 x 3.93"	1.64"	.51"	2.29"	.26"	5.76"	1/4-28	170-10108	230-7011	

FIXED MOUNT SPUN STEEL HATS FOR BOLT-ON ROTORS:

These lightweight, high-strength spun steel hats provide solid mounting of bolt-on rotors to OE axles and racing hubs when aluminum hats are not allowed. Each hat features a multi-hole lug pattern for universal application on the popular 5 lug mount patterns. These hats are not for use on parking brake applications.



ORDERING INFORMATION:

ROTOR BOLT CIRCLE	WHEEL LUG PATTERN	HAT OFFSET	STUD HOLE DIAMETER	CENTER HOLE I.D.	FACE THICKNESS	CLEARANCE I.D.	MOUNT HOLE	HAT PART NUMBER	ROTOR BOLT KIT NUMBER	NOTES
8 x 7.00"	5 x 4.50/4.75/5.00"	3.02"	.52"	3.06"	.09"	5.83"	.325"	170-3695	230-0840	

SPRINT - OPEN WHEEL LIVE AXLE CLAMP-ON ROTOR MOUNT:

Lightweight and strong, these clamps provides sturdy fixed position mounting for rear inboard brake systems on live axle sprints and modifieds.

ORDERING INFORMATION:

ROTOR BOLT CIRCLE	AXLE SPLINE	ROTOR MOUNT HOLE	AXLE CLAMP PART NUMBER	ROTOR BOLT KIT NUMBER
8 x 7.00"	3.00" x 46 Spline	5/16"	270-10484	(1)
6 x 5.50"	3.00" x 46 Spline	5/16"	270-9761	(1)
6 x 5.50"	2.50" x 38 Spline	5/16"	270-10757	(1)



NOTE: (1) DYNAMIC MOUNT BOLT KIT INCLUDED

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



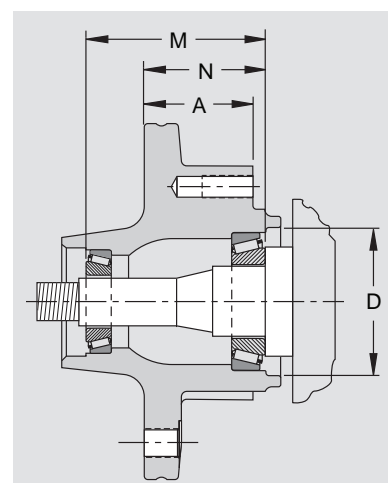
FORGED BILLET PERFORMANCE HUBS

Hub Features:

Wilwood's Forged Billet Hubs are made from premium grade alloy billets that are forged into shape under high heat and pressure, then CNC machined for precise fit on each spindle application. Specific hub styles are available for either hat mounting of rotors, or direct mounting of rotors by using intermediate rotor adapters. Hubs are either single or double drilled from 5 on 4.00" up to 5 on 5.00" wheel lug patterns depending on part number. Hubs include bearing races installed and screw-on aluminum caps. For more detailed and/or up-to-date information please download our hub data sheet at www.wilwood.com/pdf/ds719.pdf



Forged Billet Performance Hubs



Typical Hub/Bearing Configuration

PERFORMANCE HUBS ORDERING INFORMATION:

HUB PART NUMBER	DESCRIPTION VEHICLE TYPE	WHEEL BC	ROTOR OFFSET	DIM A	DIM D	DIM M	DIM N	WILWOOD INNER RACE PART #	WILWOOD OUTER RACE PART #	WILWOOD INNER BEARING PART #	WILWOOD OUTER BEARING PART #	INNER BEARING SHAFT OD	OUTER BEARING SHAFT OD
270-3204	87-93 MUST 4 LUG	A	H	N/A	2.574	2.93	1.54	370-2571	370-0881	370-2609	370-0882	1.3750	0.8656
270-3268	87-93 MUST 5 LUG	B	H	N/A	2.574	2.93	1.54	370-2571	370-0881	370-2609	370-0882	1.3750	0.8656
270-6989	PINTO/MUST BB	C	H	N/A	2.495	3.15	2.06	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-7037	64-72 NOVA BB	C	H	N/A	2.495	3.15	2.37	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-7274	67-74 NOVA	C	V	1.795	2.495	3.15	2.39	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-7275	67-74 NOVA	C	S	1.850	2.495	3.15	2.06	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-7276	PINTO/MUST	C	V	1.795	2.495	3.15	2.39	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-7277	PINTO/MUST	C	S	1.850	2.495	3.15	2.06	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-7279	37-48 FORD	C	V	1.940	2.502	4.12	2.41	370-1560	370-0876	370-1561	370-0877	1.1895	0.7500
270-7281	37-48 FORD	C	S	2.375	2.502	4.12	2.41	370-1560	370-0876	370-1561	370-0877	1.1895	0.7500
270-7283	55-57 CHEV	C	V	1.795	2.495	3.07	2.41	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-7285	87-93 MUST	C	S	1.882	2.574	2.93	2.12	370-2571	370-0881	370-2609	370-0882	1.3750	0.8656
270-7287	GRANADA	C	V	1.966	2.495	3.02	1.90	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-7309	80-87 G-BODY	C	V	1.795	2.495	3.15	2.39	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-7309-P	80-87 G-BODY	C	V	1.795	2.495	3.15	2.39	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-7310	80-87 G-BODY	C	S	1.850	2.495	3.15	2.06	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-7311	VEGA	C	S	1.850	2.495	3.38	2.16	370-0878	370-1238	370-0879	370-1239	1.2500	0.6875
270-7466	GRANADA BB	C	H	N/A	2.495	3.02	1.72	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-7631	55-57 CHEVY BB	C	H	N/A	2.495	2.97	1.52	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-7680	87-93 MUST	C	V	1.752	2.573	2.93	2.36	370-2571	370-0881	370-2609	370-0882	1.3750	0.8656
270-8767	65-72 A BODY 10"	D	V	1.795	2.332	2.97	2.41	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-8769	65-72 A BODY 10"	D	S	1.850	2.332	2.97	2.09	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-8771	62-72 A BODY 9"	D	V	1.800	2.433	2.95	2.30	370-3146	370-1238	370-3147	370-1239	1.0625	0.6875
270-8773	62-72 A BODY 9"	D	S	2.080	2.433	2.95	2.07	370-3146	370-1238	370-3147	370-1239	1.0625	0.6875
270-8775	73-76 A BODY DSC	D	V	1.906	2.619	3.73	2.31	370-0883	370-0876	370-0884	370-0877	1.3775	0.7500
270-8777	73-76 A BODY DSC	D	S	1.956	2.619	3.70	2.02	370-0883	370-0876	370-0884	370-0877	1.3775	0.7500
270-8779	62-72 B/E BODY	D	V	1.906	2.332	3.74	2.31	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-8781	62-72 B/E BODY	D	S	1.926	2.332	3.70	2.02	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-9320	70-73 MUSTANG BB	C	H	N/A	2.495	3.13	1.69	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-9486	PINTO/MUST BB	C	H	N/A	2.495	3.15	1.63	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-9502	68-69 MUSTANG BB	C	H	N/A	2.495	3.13	1.69	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-10044	WVE PRO SPINDLE	C	V	1.750	2.495	3.15	1.74	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-10237	LARGE GM	C	H	N/A	2.495	3.21	1.97	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-10438	CAMARO 70-78	C	V	1.584	2.495	3.15	1.64	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-10439	CAMARO 79-81	C	V	1.584	2.495	3.15	1.64	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-10442	PINTO/MUST	C	V	1.584	2.495	3.15	1.64	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

FORGED BILLET PERFORMANCE HUBS



www.wilwood.com

PERFORMANCE HUBS ORDERING INFORMATION:

HUB PART NUMBER	DESCRIPTION VEHICLE TYPE	WHEEL BC	ROTOR OFFSET	DIM A	DIM D	DIM M	DIM N	WILWOOD INNER RACE PART #	WILWOOD OUTER RACE PART #	WILWOOD INNER BEARING PART #	WILWOOD OUTER BEARING PART #	INNER BEARING SHAFT OD	OUTER BEARING SHAFT OD
270-10487	CAMARO 70-78	C	H	N/A	2.495	3.15	1.63	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-10494	CAMARO 79-81	C	H	N/A	2.495	3.15	1.63	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-10658	PINTO/MUST BB	E	H	N/A	2.495	3.15	2.06	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-10660	PINTO/MUST	E	V	1.795	2.495	3.15	2.39	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-10812	62-72 B/E BODY	C	H	N/A	2.332	3.71	1.89	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-11032	55-57 CHEVY	C	V	1.150	2.495	2.97	1.83	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-11043	80-87 G-BODY	C	V	1.724	2.495	3.15	1.52	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-11048	CAMARO 79-81	C	V	2.135	2.495	3.15	1.84	370-0878	370-0881	370-0879	370-0933	1.2500	0.8437
270-11050	CAMARO 70-78	C	V	2.135	2.495	3.15	1.84	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-11058	MUSTANG 65-69	C	V	0.913	2.495	3.15	1.76	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-11070	MUSTANG 70-73	C	V	0.913	2.495	3.15	1.76	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-11252	PINTO/MUST	C	V	1.720	2.495	3.14	1.64	370-0883	370-0881	370-0884	370-0882	1.3775	0.8656
270-11256	87-93 MUSTANG	C	V	1.146	2.573	2.93	1.87	370-2571	370-0881	370-2609	370-0882	1.3750	0.8656
270-11516	62-72 B/E BODY	D	V	1.720	0.570	3.74	2.19	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500
270-11527	62-72 A BODY - 9"	D	V	1.170	0.570	2.95	1.96	370-11554	370-1238	370-11555	370-1239	1.0625	0.6875
270-11533	73-76 A BODY DISC	C	H	N/A	0.570	3.73	2.06	370-0883	370-0876	370-0884	370-0877	1.3775	0.7500
270-11539	65-72 A BODY - 10"	D	V	1.145	0.570	2.97	1.95	370-0878	370-0876	370-0879	370-0877	1.2500	0.7500

WHEEL BC	STUD HOLE SIZE
A = 4 x 4.25	1/2-20
B = 5 x 4.50	1/2-20
C = 5 x 4.50 & 4.75	1/2-20
D = 5 x 4.00 & 4.50	1/2-20
E = 5 x 5.00	1/2-20

CODES
H = FOR USE WITH HAT
S = SOLID, .35" THICK (USES DIRECT MOUNT SOLID ROTOR, OR ROTOR ADAPTER: 300-3307)
V = VENTED, .81" THICK (USES ROTOR ADAPTER: 300-3307 OR 300-3099)

ROTOR ADAPTERS - ORDERING INFORMATION:

ROTOR BOLT CIRCLE	HUB BOLT CIRCLE	PART NO.
6 x 6.25"	5 x 3.88"	300-3307
6 x 6.25"	5 x 3.88"	300-3307P
8 x 7.00"	5 x 3.88"	300-3099



WHEEL STUDS - ORDERING INFORMATION:

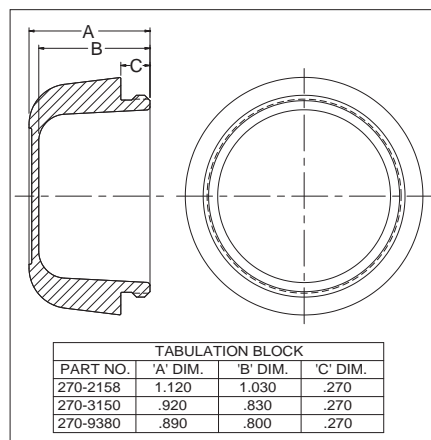
QTY	BOLT SIZE	BOLT TYPE	APPLICATION	PART NO.
1	1/2-20 x 1.75"	GRADE 8 - 12 POINT	PRO STREET HUBS	230-2187
1	1/2-20 x 2.00"	GRADE 8 - 12 POINT	HAT MOUNT HUBS	230-6959
1	1/2-20 x 3.00"	GRADE 8 - SOCKET HEAD	DRAG HUBS	230-0921

BOLT KITS - ORDERING INFORMATION:

QTY	BOLT SIZE	BOLT TYPE	APPLICATION	PART NO.
5	3/8-16 x 1.00"	GRADE 8 - TORX BHCS	ROTOR ADAPTER TO HUB	230-3829
6	5/16-18 x .75"	GRADE 8 - HEX HEAD	ROTOR TO ROTOR ADAPTER	230-3328
8	5/16-18 x .75"	GRADE 8 - HEX HEAD	ROTOR TO ROTOR ADAPTER	230-3484
6	1/4-20 x .50"	GRADE 8 - FLAT HEAD	HAT TO HUB BOLTS	230-7032

REPLACEMENT HUB CAPS - ORDERING INFORMATION:

DIM "A"	DIM "B"	DIM "C"	PART NO.
0.890"	0.800"	0.270"	270-9380
0.920"	0.830"	0.270"	270-3150
1.120"	1.030"	0.270"	270-2158



Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• **PERFORMANCE HUBS** •

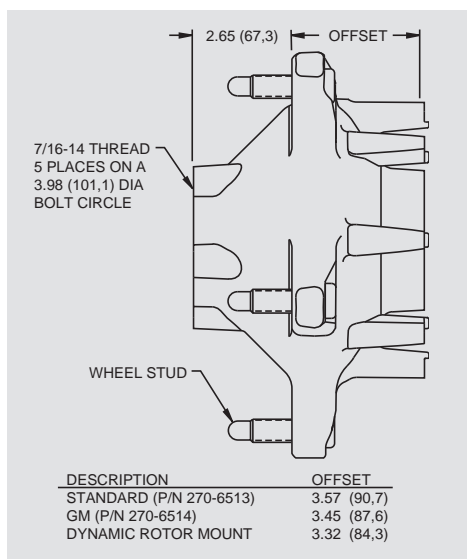


STARLITE "55" WIDE 5 RACING HUBS

Hub Features:

Starlite "55" hubs provide the superior strength of permanent mold, high density aircraft aluminum at weights comparable to the much higher priced magnesium hub assemblies. The Starlite "55" features the strength of our traditional eight bolt Starlite hub, but with a redesign focussed on eliminating unnecessary weight in the hub and its related components.

Rear hubs have been reconfigured to include five bolt drive flanges and weigh in at less than 7 pounds with bearing races and studs installed. When combined with the additional weight savings of the five bolt drive flange and bolt kit, the assembled hub meets or beats the assembled weight of nearly every eight bolt magnesium hub assembly available.



Starlite "55" Hub Offset Diagram

Front hubs offer further weight reduction by completely eliminating the bolt bosses with the use of a fiber reinforced composite Snap-Cap dust cover. Optional drilled studs round-out the total lightweight package. Starlite "55" hubs are available in the traditional GM or standard rotor mount offset, with an all new configuration available for use with Wilwood's dynamic rotor mount plates. Standard offset hubs can be ordered with a special black coating that seals the surface and maintains a clean appearance against oxidation and corrosion from track born substances.



Starlite "55" Rear Wide 5 Racing Hub



Starlite "55" Front Hub with Snap-Cap

STARLITE "55" FIVE BOLT DRIVE REAR HUBS ORDERING INFORMATION:

OFFSET	FINISH	STUDS	PART NUMBER
Standard	Aluminum	5/8" Coarse	270-6513C
Standard	Aluminum	5/8" Coarse Drilled	270-6513D
Standard	Black	5/8" Coarse	270-6513BC
Standard	Black	5/8" Coarse Drilled	270-6513BD
GM	Aluminum	5/8" Coarse	270-6514C
GM	Black	5/8" Coarse	270-6514BC
GM	Aluminum	5/8" Coarse Drilled	270-6514D
Dynamic Mount	Aluminum	5/8" Coarse	270-8435C
Dynamic Mount	Aluminum	5/8" Coarse Drilled	270-8435D

STARLITE "55" FRONT HUBS WITH SNAP-CAP ORDERING INFORMATION:

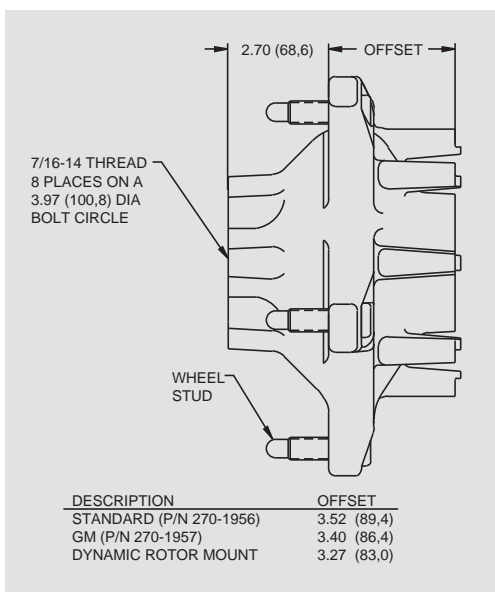
OFFSET	FINISH	STUDS	PART NUMBER
Standard	Aluminum	5/8" Coarse	270-6735C
Standard	Aluminum	5/8" Coarse Drilled	270-6735D
Standard	Black	5/8" Coarse	270-6735BC
Standard	Black	5/8" Coarse Drilled	270-6735BD
GM	Aluminum	5/8" Coarse	270-6736C
GM	Aluminum	5/8" Coarse Drilled	270-6736D
Dynamic Mount	Aluminum	5/8" Coarse	270-8436C
Dynamic Mount	Aluminum	5/8" Coarse Drilled	270-8436D

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

STARLITE WIDE 5 RACING HUBS

Hub Features:

Starlite hubs remain as the oval track benchmark standard. Based on the traditional eight-bolt drive flange design, Starlite hubs demonstrate superior strength from permanent mold, high density aircraft aluminum. The close tolerance castings are precision machined to assure consistent fit, strength, and durability. Over the years, this innovative hollow core design has been refined and is race proven. Wilwood's high volume, quality assured manufacturing capability has made it both racing tough and economical.



Starlite Eight Bolt Offset Diagram

Starlite hubs are available in standard offset for use with Superlite, Dyanlite, and Narrow Mount Dynalite series fixed mount calipers. The GM offset is available for use with GM style floating mount calipers. A new offset configuration is also available to accommodate the thickness of dynamic rotor mounting plates. Fine threaded 5/8" studs are also an option on the Starlite series.



Starlite Eight Bolt Wide 5 Racing Hub



Wide 5 Racing Hub Assembly Showing T-Nut Placement with Rotor and Dynamic Mounting Plate. See Page 86.

STARLITE EIGHT BOLT DRIVE HUBS ORDERING INFORMATION:

OFFSET	FINISH	STUDS	PART NUMBER
Standard	Aluminum	5/8" Coarse	270-1956C
GM	Aluminum	5/8" Coarse	270-1957C
Dynamic Mount	Aluminum	5/8" Coarse	270-8434C
Dynamic Mount	Aluminum	5/8" Coarse Drilled	270-8434D

WHEEL SPACER:

Wilwood's unique 2" offset aluminum **Wide 5 Wheel Spacer** utilizes a radical triangulated design to achieve maximum strength and rigidity. This race proven wheel spacer is lighter than any other on the market. Available with coarse 5/8" studs, Wilwood's 4.1 pound spacer gives greater flexibility in chassis setup while keeping rotating weight to a minimum.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
2" Offset Wheel Spacer, coarse studs	270-2189C



Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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• RACING HUBS •



WIDE 5 HUB PARTS AND ACCESSORIES

STARLITE "55" DRIVE FLANGES AND HUB CAPS ORDERING INFORMATION⁽¹⁾:

DESCRIPTION	PART NO.
Standard Five Bolt Drive Flange with Bolts, Washers	270-6732
Lightweight Five Bolt Drive Flange with Bolts, Washers	270-6733
Snap-Cap Front Hub Dust Cover	270-6913
Five Bolt Lightweight Steel Front Hub Cap, Gold Cad Plated	270-9498
Drive Flange Bolts with Washers - 5 Pack	270-6911
O-Ring, Snap-Cap	211-6950

STARLITE DRIVE FLANGES AND HUB CAPS ORDERING INFORMATION⁽²⁾:

DESCRIPTION	PART NO.
Eight Bolt Drive Flange, Gold	270-2290
Eight Bolt Drive Flange, Black	270-2290B
Eight Bolt Drive Flange, Red	270-2290R
Eight Bolt Lightweight Steel Front Hub Cap, Gold Cad Plated	270-0374
Drive Flange / Hub Cap Bolt Kit - 8 Pack	230-1378

BEARING, SEALS, AND SPINDLE LOCKNUTS ORDERING INFORMATION:

DESCRIPTION	PART NO.
Bearing, Seal and Self Lock Spindle Nut Kit	370-6885
Bearing and Seal Only Kit	370-0563
Self-Lock Spindle Nut	230-6659
Seal	380-0429
Inner Bearing	370-0431
Inner Hub Bearing Race	370-0314
Outer Bearing	370-0432
Outer Hub Bearing Race	370-0315

STUDS AND LUG NUTS ORDERING INFORMATION:

DESCRIPTION	PART NO.
5/8" Coarse Stud - 5 pack	230-0620
5/8" Coarse Stud - Bulk (100 piece minimum)	230-0510
5/8" Coarse Stud, Gun Drilled - Bulk (100 piece minimum)	230-6459
5/8" Coarse Lug Nut - 5 pack	230-0622
5/8" Coarse Lug Nut - Bulk (100 piece minimum)	230-0511
5/8" Fine Stud - Bulk (100 piece minimum)	230-0304
5/8" Fine Lug Nut - Bulk (100 piece minimum)	230-0512



Plate to Hub Bolt Kit



Lightweight 5 Bolt Drive Flange



Bearing, Seal & Locknut Kit



8 Bolt Drive Flange

NOTES: (1) USE ONLY THE BOLTS SUPPLIED WITH THE 5 BOLT DRIVE FLANGES ON STARLITE "55" HUBS. USE OF OTHER BOLTS CAN LEAD TO DAMAGE OR FAILURE. ALWAYS USE SAFETY WIRE TO SECURE THE BOLTS
(2) BOLT KITS MUST BE ORDERED SEPARATELY. ALWAYS USE SAFETY WIRE TO SECURE THE BOLTS

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

ROTOR BOLT KITS



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DYNAMIC MOUNT BOLT KITS FOR THROUGH HOLE ROTORS WITH T-SLOTTED HATS OR PLATES:

Bolt kits in this group include bolts, t-nuts and associated hardware to attach a standard through-hole mount rotor to a dynamic mount, t-slot machined hat or rotor plate. All bolts are lock-wire drilled.

ORDERING INFORMATION:

QTY	BOLT SIZE	BOLT TYPE	APPLICATIONS	KIT NO.
12	1/4-28 x .75"	Stainless Steel 12 Point	GT Hats	230-6656
8	1/4-28 x .75"	Stainless Steel 12 Point	GT Hats	230-6709
8	5/16-24 x .81"	Stainless Steel 12 Point	GT Hats, 5 x 5 Hub Plate	230-6710
8	5/16-24 x .75"	Grade 8 Socket Head	Wide 5 Hub Plate	230-8454
8	5/16-24 x .75"	Grade 8 Short Profile Hex	Rear Axle GT Drag Hats	230-7666



DYNAMIC MOUNT BOLT KITS FOR SLOTTED HOLE STEEL ROTORS:

These bolt kits include bolts, t-nuts, and associated hardware to attach a specially machined slotted hole plate steel rotor to a threaded hat, hub, or live axle rotor clamp. All kits are supplied with either lock-wire drilled bolts or crimp nuts.

ORDERING INFORMATION:

QTY	BOLT SIZE	BOLT TYPE	APPLICATIONS	KIT NO.
8	5/16-24 x 1.25"	Grade 8 Countersunk	Live Axle Rotor Clamp	230-5567 ⁽¹⁾
8	5/16-24 x .81"	Grade 8 Socket Head	Threaded Hats, Wide 5 Hubs	230-5308



BOLT KITS FOR FIXED MOUNT THREADED OR THROUGH HOLE MOUNT ROTORS:

Bolt kits in this group include bolts, and any other necessary hardware to attach a threaded or through hole mount rotor or rotor mounting plate to a threaded or through hole mount hat, hub, or live axle rotor clamp. With one exception, all bolts are lock wire drilled.

ORDERING INFORMATION:

QTY	BOLT SIZE	BOLT TYPE	APPLICATIONS	KIT NO.
12	5/16-18 x 1.00"	Grade 8 Hex Head	TC Hats	230-9068
12	1/4-20 x 1.00"	Stainless Steel 12 Point	GT Hats	230-4572
12	1/4-20 x 0.75"	Stainless Steel 12 Point	GT Hats, ProMatrix Kits	230-8008
8	5/16-24 x 1.00"	Grade 8 Socket Head	Steel Hats with Through Hole Rotors	230-0840 ⁽¹⁾
8	5/16-24 x 0.75"	Grade 8 Socket Head	Threaded Rotors on Through Hole Hats	230-0150
8	5/16-18 x 1.00"	Grade 8 Hex Head	Wide 5 Hubs, Threaded Hats	230-0526 ⁽²⁾
8	5/16-18 x 1.00"	Grade 8 Hex Head	BB Hats	230-8390
8	5/16-18 x 1.00"	Grade 8 Socket Head	GT Hats, Wide 5 Hubs	230-2589
8	5/16-18 x 1.00"	Grade 8 Socket Head	GT Hats, Wide 5 Hubs	230-6365
8	5/16-18 x 0.75"	Grade 8 Short Profile Hex	8 on 7.00" P/S Rotor Plate	230-3484
8	5/16-18 x 0.75"	Grade 8 Short Profile Hex	Drag Race Rear Axle Kits	230-0233D
8	1/4-28 x 1.00"	Grade 8 Socket Head	2 Piece Internal Parking Brake	230-6409
8	1/4-28 x 0.75"	Grade 8 Socket Head	Subaru WRX Rear	230-7011
6	5/16-18 x 0.75"	Grade 8 Hex Head	6 on 6.25" P/S Drag Rotor Plate	230-3328
5	3/8-18 X 1.00"	Grade 8 Torx	Rotor Plate to P/S Hub	230-3829



NOTES: (1) INCLUDES CRIMP NUTS
(2) INCLUDES SPLIT LOCK WASHERS. NOT LOCK WIRED DRILLED

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

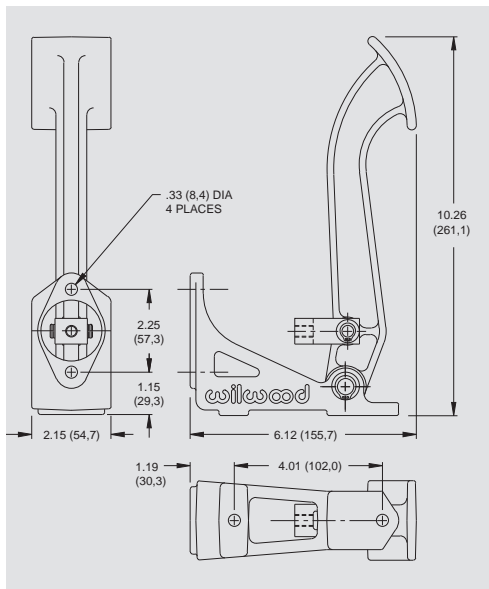
• ROTOR BOLT KITS •



PEDAL ASSEMBLIES

FLOOR MOUNT SINGLE MASTER CYLINDER PEDAL - BRAKE OR CLUTCH:

This pedal is often used as a clutch pedal with a single outlet master cylinder, or as a brake pedal in conjunction with dual outlet, tandem master cylinders on four wheel brake equipped vehicles. The pedal features all aluminum frame and arm construction with steel pivots, mounting studs, and an anti-skid pedal pad.



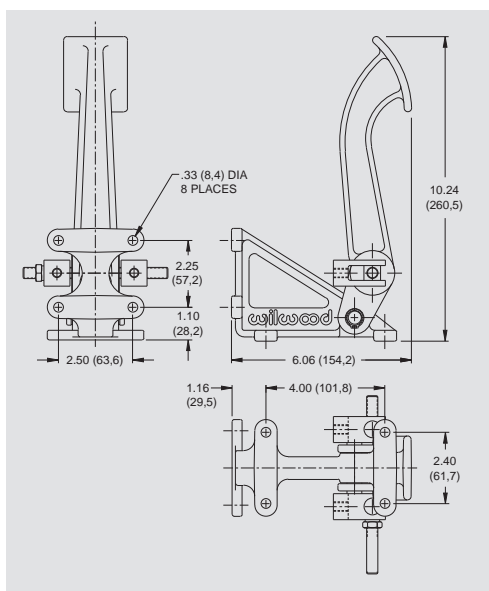
Single Mount Brake or Clutch Pedal
6:1 Ratio • P/N 340-1289



P/N 340-1289 Pedal with Optional Aluminum Master Cylinder (*)

FLOOR MOUNT DUAL MASTER CYLINDER BRAKE PEDAL WITH BALANCE BAR:

This is one of racing's most popular pedals for mounting two brake master cylinders with a bias balance bar. The pedal features all aluminum frame and arm construction with steel pivots, mounting studs, and an anti-skid pedal pad. Wilwood's clevis and pivot pin balance bar provide smooth and accurate settings of the brake pedal bias. It can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments.



Dual Mount Brake Pedal with Balance Bar
6:1 Ratio • P/N 340-1285



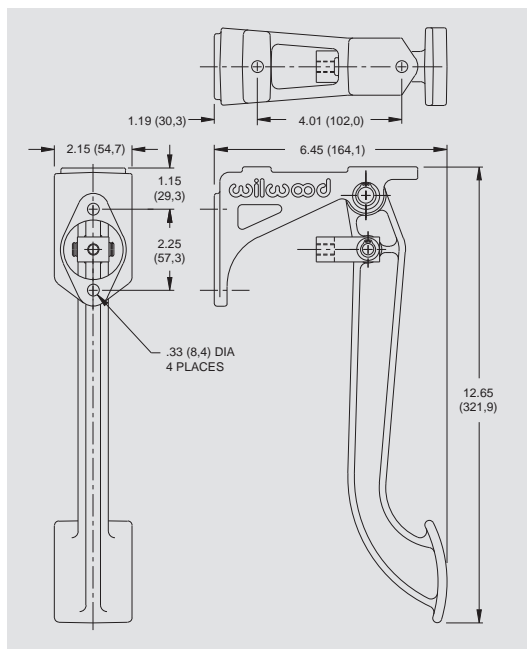
P/N 340-1285 Pedal with Optional Aluminum Master Cylinders (*)

(*) Master cylinders must be ordered separately. See pages 114-121 for available selections

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

FORWARD SWING MOUNT SINGLE MASTER CYLINDER PEDAL - BRAKE OR CLUTCH:

This pedal is often used as a clutch pedal with a single outlet master cylinder, or as a brake pedal in conjunction with dual outlet, tandem master cylinders on four wheel brake equipped vehicles. The pedal features all aluminum frame and arm construction with steel pivots, mounting studs, and an anti-skid pedal pad.



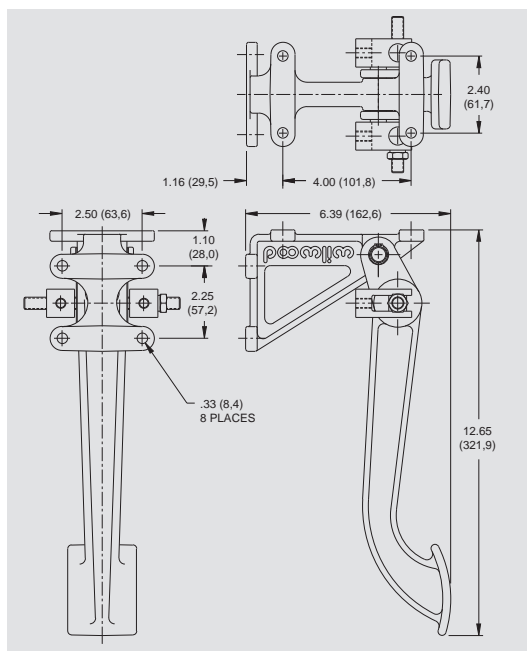
Single Mount Brake or Clutch Pedal
7:1 Ratio • P/N 340-1290



P/N 340-1290 Pedal with Optional Aluminum Master Cylinder (*)

FORWARD SWING MOUNT DUAL MASTER CYLINDER BRAKE PEDAL WITH BALANCE BAR:

This popular pedal mounts two brake master cylinders with a bias balance bar. The pedal features all aluminum frame and arm construction with steel pivots, mounting studs, and an anti-skid pedal pad. Wilwood's clevis and pivot pin balance bar provide smooth and accurate settings of the brake pedal bias. It can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments.



Dual Mount Brake Pedal with Balance Bar
7:1 Ratio • P/N 340-1287



P/N 340-1287 Pedal with Optional Aluminum Master Cylinders (*)

(*) Master cylinders must be ordered separately. See pages 114-121 for available selections

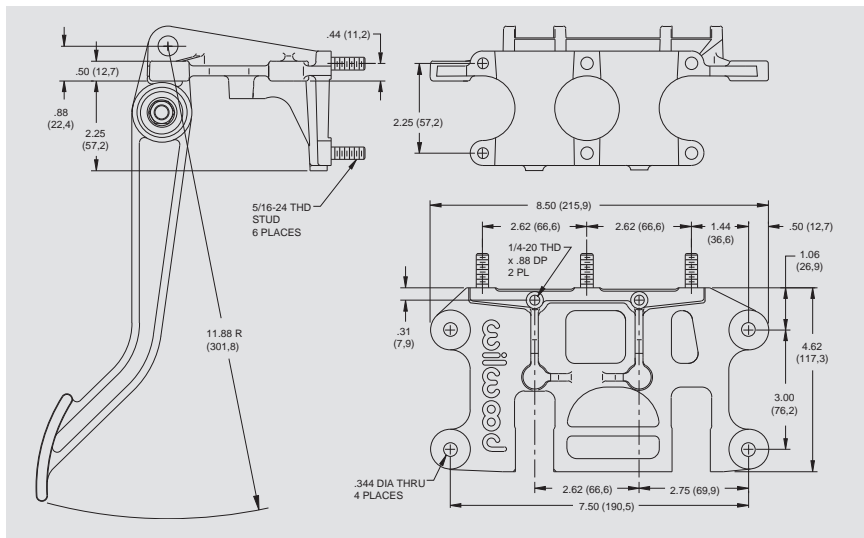
Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



PEDAL ASSEMBLIES

FORWARD SWING MOUNT TRIPLE MASTER CYLINDER PEDAL - ALUMINUM:

This pedal assembly operates the brakes and the clutch together in one unit and positions the master cylinders outside of the firewall. It features all aluminum frame and arm construction with steel pivots, mounting studs, and anti-skid pedal pads. Wilwood's clevis and pivot pin balance bar provide smooth and accurate settings of the brake pedal bias. It can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments.



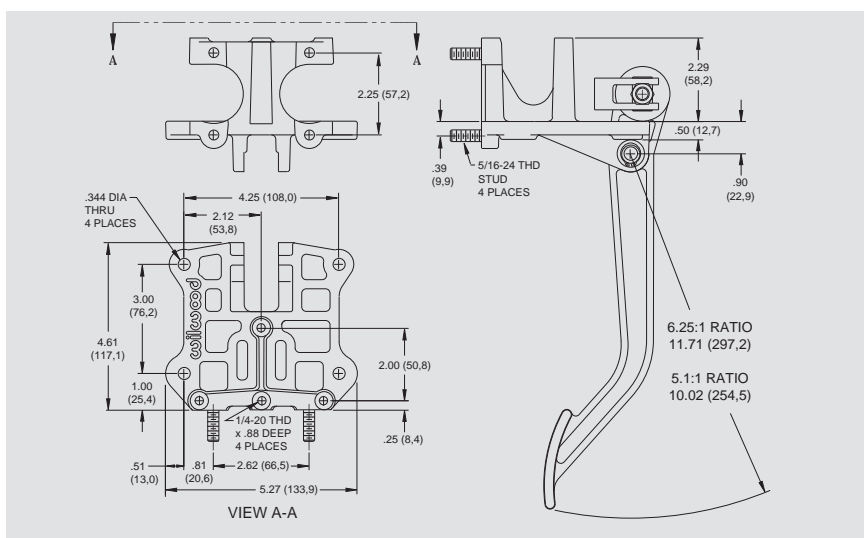
Triple Mount Brake and Clutch Pedal with Balance Bar
6.25:1 • P/N 340-3950



P/N 340-3950 Pedal with Optional Master Cylinders (*)

REVERSE SWING MOUNT DUAL MASTER CYLINDER BRAKE PEDAL WITH BALANCE BAR:

This pedal mounts two brake master cylinders with a bias balance bar and positions the master cylinders inside the firewall and away from engine heat. The pedal features all aluminum frame and arm construction with steel pivots, mounting studs, and an anti-skid pedal pad. Wilwood's clevis and pivot pin balance bar provide smooth and accurate settings of the brake pedal bias. It can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments. Two ratios are offered to suit mounting and leverage requirements.



Reverse Dual Mount Brake Pedal with Balance Bar
5.1:1 Ratio - P/N 340-5180 • 6.25:1 Ratio - P/N 340-5181



P/N 340-5181 Pedal with Optional Master Cylinders (*)

(*) Master cylinders must be ordered separately. See pages 114-121 for available selections

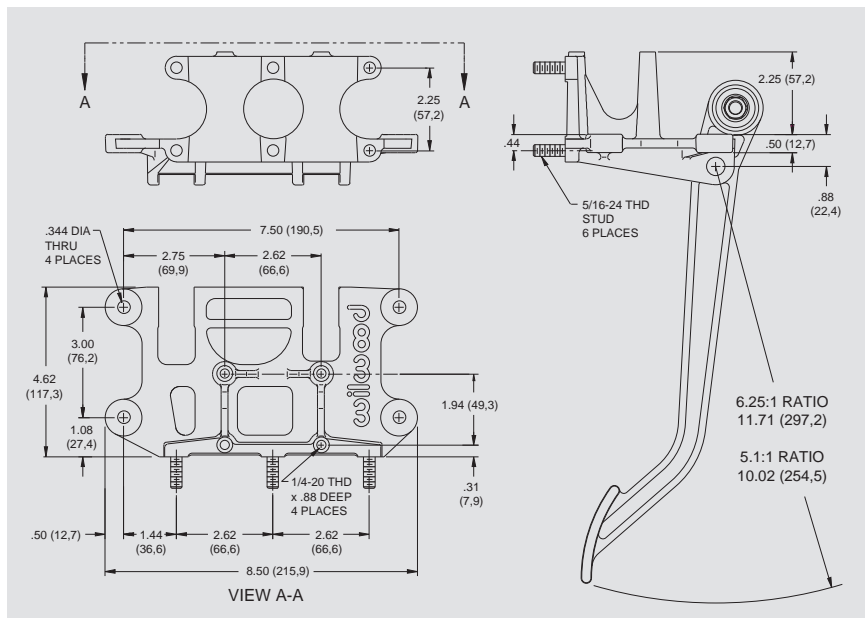
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



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REVERSE SWING MOUNT TRIPLE MASTER CYLINDER CLUTCH & BRAKE PEDAL WITH BALANCE BAR:

This assembly combines the brake and clutch pedals together in one unit and positions the master cylinders inside the firewall and away from engine heat. It features all aluminum frame and arm construction with steel pivots, mounting studs, and anti-skid pedal pads. Wilwood's clevis and pivot pin balance bar provide smooth and accurate settings of the brake pedal bias. It can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments. Three ratio options are offered to suit mounting and leverage requirements.



Triple Mount Clutch and Brake Pedal with Balance Bar
5.1:1 - **P/N 340-4828** • 6.25:1 - **P/N 340-3342**
6.25:1 Brake / 5.1:1 Clutch - **P/N 340-6451**



P/N 340-3342 Pedal with Optional Master Cylinders (*)

REMOTE BRAKE BIAS ADJUSTER:

Wilwood's Remote Balance Bar Cable Adjuster is used with balance bars to adjust front-to-rear brake bias during changing race conditions. The highly visible bright blue knob features a special bi-directional detente control providing the driver with positive adjustment feedback. The special five foot cable and housing (which can be cut to any length for a custom fit) provides an optimum bending radius for easy installation and smooth performance in tight confines. The assembly comes with two label faces for either front-to-rear or rear-to-front adjustment. Standard 3/8-24 thread fits Wilwood and most commonly used balance bars.



Remote Brake Bias Adjuster

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Remote Brake Bias Adjuster	340-4990

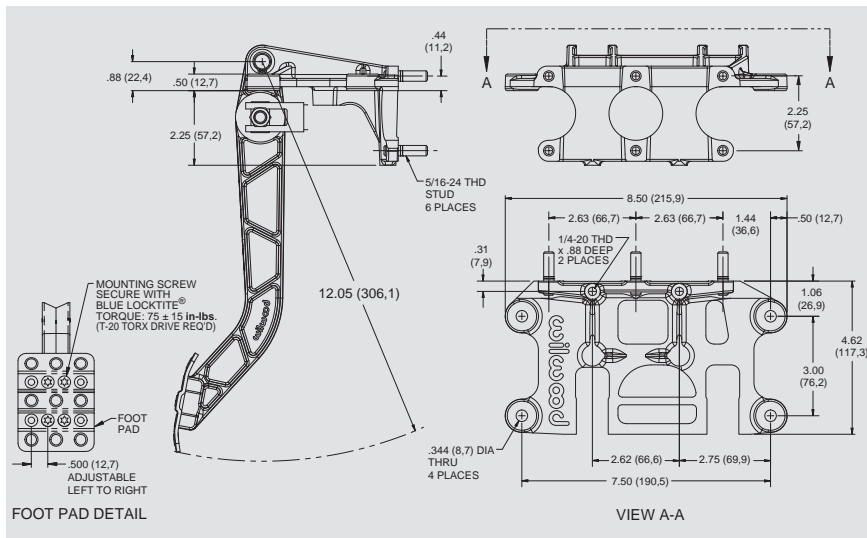
(*) Master cylinders must be ordered separately. See pages 114-121 for available selections



PEDAL ASSEMBLIES

ADJUSTABLE FORWARD SWING MOUNT DUAL MASTER CYLINDER PEDAL - ALUMINUM:

Wilwood's new **Adjustable Forward Mount Pedal Assembly** combines the brake and clutch pedals together in one unit and positions the master cylinders outside the firewall. It features all aluminum frame and forged aluminum pedal arms with ladder style construction. Pedal pads are of special adjustable design that allows fine-tuning of the pedal location and clearance. Also included with the assembly: mounting studs, hardware, new clevis and pivot pin balance bar assembly to provide smooth and accurate settings of the brake pedal bias. The balance bar can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments. With a 6.25 to 1 pedal ratio on both clutch and brake pedals.



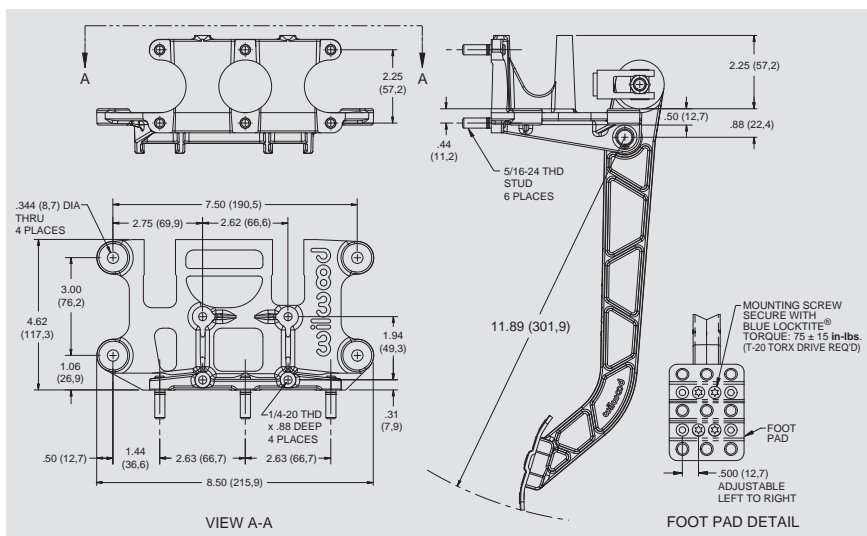
Adjustable Forward Mount Dual Pedal Assembly
6.25:1 Ratio • P/N 340-11295



P/N 340-11295 Pedal with Optional
Master Cylinders (*)

ADJUSTABLE REVERSE SWING MOUNT DUAL MASTER CYLINDER PEDAL - ALUMINUM:

Wilwood's new **Adjustable Reverse Mount Pedal Assembly** combines the brake and clutch pedals together in one unit and positions the master cylinders inside the firewall, away from engine heat. It features all aluminum frame and forged aluminum pedal arms with ladder style construction. Pedal pads are of special adjustable design that allows fine-tuning of the pedal location and clearance. Also included with the assembly: mounting studs, hardware, new clevis and pivot pin balance bar assembly to provide smooth and accurate settings of the brake pedal bias. The balance bar can be set and locked down with the jam nut, or attached to a remote cable for quick on-track adjustments. With a 6.25 to 1 pedal ratio on both clutch and brake pedals.



Adjustable Reverse Mount Dual Pedal Assembly
6.25:1 Ratio - P/N 340-11299



P/N 340-11299 Pedal with Optional
Master Cylinders (*)

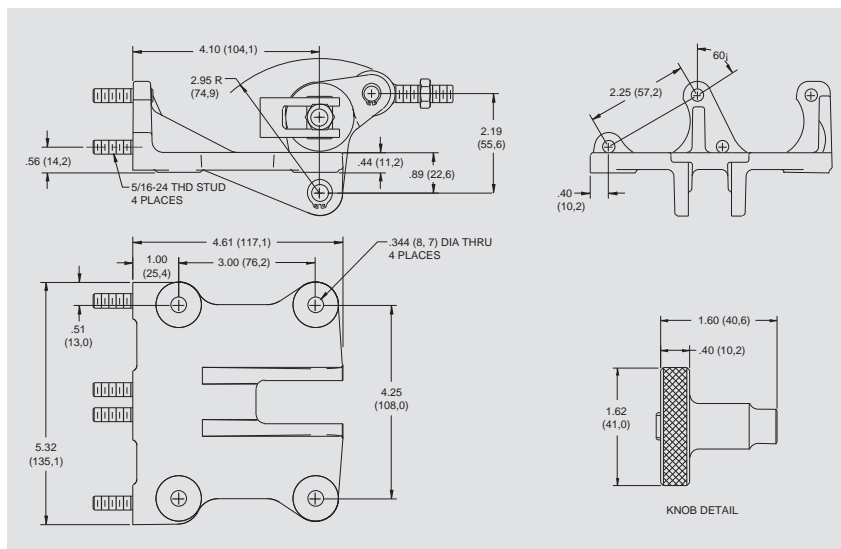
(*) Master cylinders must be ordered separately. See pages 114-121 for available selections

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



60 DEGREE BALANCE PEDAL ASSEMBLY:

This lightweight unit is ideal for Dirt Modifieds, Champ Cars, Sprint Cars and Midgets where master cylinders must be mounted in a remote location because of tight space constraints. Usually mounted to the driver's left side chassis rail, the unit's balance bar controls two standard mount master cylinders with remote mounted reservoirs. The 60 degree mounting angle allows for tight fit applications and easy accessibility. Strong cast aluminum housing and balance bar weighs only 1.8 pounds. An adjuster knob is included with each assembly.



60 Degree Balance Bar Assembly • P/N 340-4630



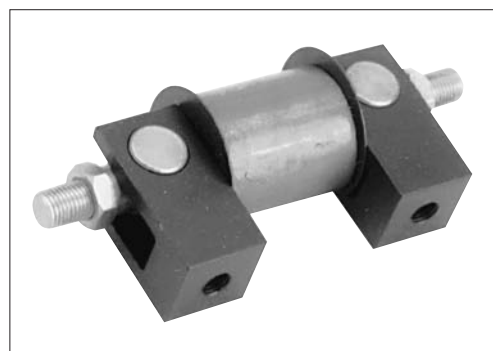
60 Degree Mount (*)

BALANCE BAR ASSEMBLY:

Our balance bar assembly is designed to maximize travel and adjustability providing increased front-to-rear bias control. The precision spherical bearing with corrosion resistant finish is durable and smooth performing. The 3/8-24 threaded adjuster bar is high strength aircraft alloy and fitted with lightweight, maintenance free clevises and thrust washers to eliminate binding under extreme pivot angles.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Balance Bar with Tube	340-1757
Balance Bar	340-4745



Balance Bar

(*) Master cylinders must be ordered separately. See pages 114-121 for available selections



PEDAL ASSEMBLIES

BRAKE PEDAL GUIDELINES:

Wilwood pedal assemblies and integrated balance bars have been designed specifically for racing applications. Properly set-up, this assembly will allow for the precise adjustment of front-to-rear brake bias. The advantages of an adjustable balance bar and dual master cylinders are:

- Brake proportioning can be adjusted by use of different size master cylinder bores for front and rear brakes.
- Front to rear brake balance can be fine tuned by adjusting the balance bar.
- With two independent hydraulic systems, should one master cylinder fail, the other system may remain functional.

Brake pedals should be mounted securely. When possible, keep the master cylinder reservoir level higher than the horizontal plane of the calipers to prevent excessive fluid drain back which can result in double pumping of the pedal. If this is not possible, a two pound residual pressure valve should be plumbed into the brake line at the exit of the master cylinder to prevent fluid drain back (do not confuse the two pound valve with the ten pound version; the ten pound valve is for use with drum brakes only).

Brake pedals should be free to return when no pressure is being applied, allowing the master cylinder pushrod to return to its undepressed position. In some cases, the master cylinder spring (internal) may not be strong enough to fully return the pushrod; in this case an additional pedal return spring can be used. There are two important items for consideration:

1. The brake pedal should have an adjustable return stop on it when a strong pedal return spring is used. This prevents the master cylinder from excessively banging the snap ring stop inside the master cylinder bore (visible under the rubber boot). Adjust the stop so the pedal stops returning at the point when the master cylinder piston retracts against the snap ring, Figure 1, above.
2. The master cylinder piston must fully retract. If the master cylinder piston is not allowed to fully retract when the brake pedal is not applied, the primary inside seal will not return past the small pressure relief hole (visible within the master cylinder reservoir on some master cylinders). This can cause excessive residual line pressure and contribute to brake drag and an overheating condition, see Figure 1, Detail "A", above.

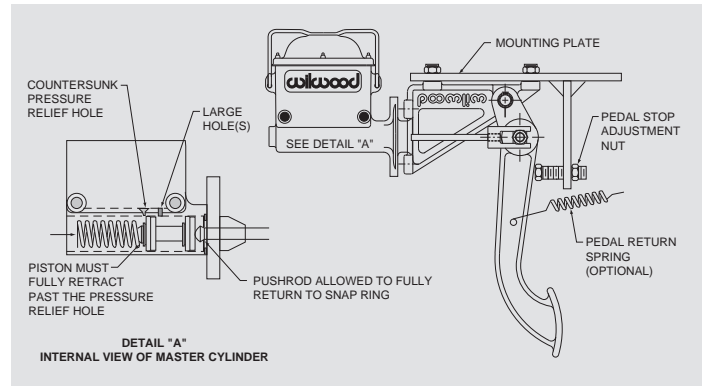


Figure 1. Master cylinder pedal stop and return hole position

BALANCE BAR ADJUSTING:

The balance bar is an adjustable lever (usually a threaded rod), that pivots on a spherical bearing and uses two separate master cylinders for the front and rear brakes. Most balance bars are part of a pedal assembly that also provides a mounting for the master cylinders. When the balance bar is centered, it pushes equally on both master cylinders creating equal pressure, given that the master cylinders are the same size bore. When adjusted as far as possible toward one master cylinder it will push approximately twice as hard on that cylinder as the other.

To set up the balance bar, thread the master cylinder pushrods through their respective clevises to obtain the desired position. Threading one pushrod into its respective clevis means threading the other one out the same amount. Sometimes this will lead to a "cocked" balance bar when the pedal is in the relaxed position, see Figure 2, right, "no pedal effort". This is acceptable as long as each master cylinder pushrod is completely free of pressure when the pedal is relaxed.

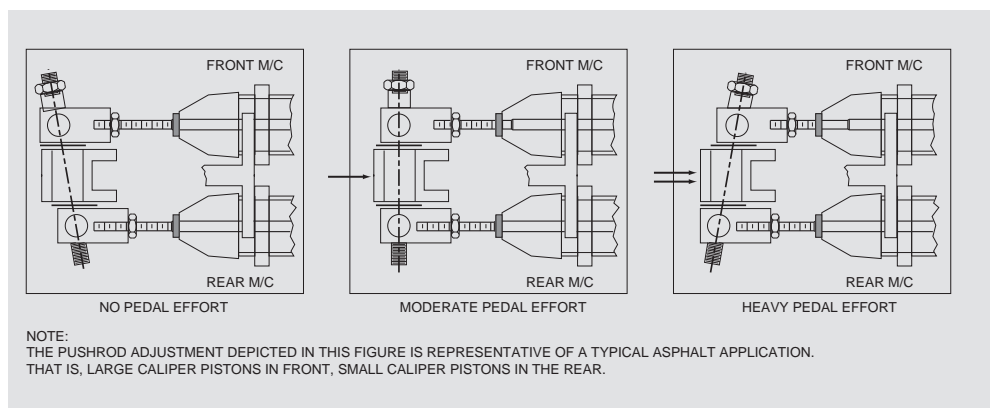


Figure 2. Balance bar lever adjustment

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

**BALANCE BAR ADJUSTING:**

It is **important** that the operation of the balance bar functions without interference by over adjustment. This can occur when a clevis jams against the side of the pedal or the lever (bolt) hits the pedal bore during any point of pedal travel, see Figure 3, right.

Lever movement should be unimpeded throughout pedal travel. In the neutral position, clevises should have between .20" - .25" total clearance between the side of the pedal. The large washers between the pedal and clevis should remain loose. Make sure that the master cylinder pushrods remain true in relationship to the cylinder during entire pedal travel; pushrods should not be pushing master cylinder pistons at an angle. See Figure 4, right.

NOTE: In its non-depressed position, the pedal and balance bar should allow the pushrod of the master cylinders to fully return. This can be checked by feeling pushrods for very *slight* movement, not loose movement. Master cylinder pistons should be against the retaining snap ring (under boot).

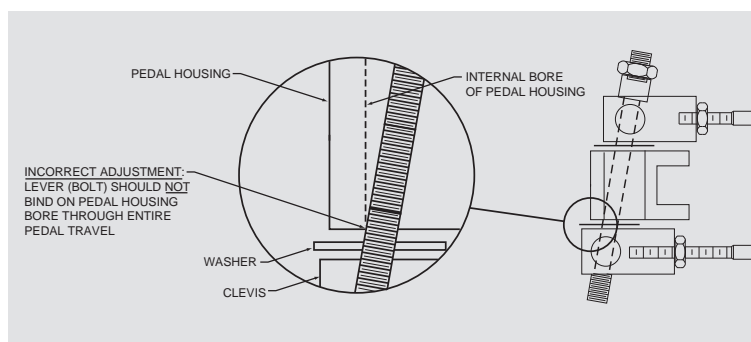


Figure 3. Balance bar lever interference

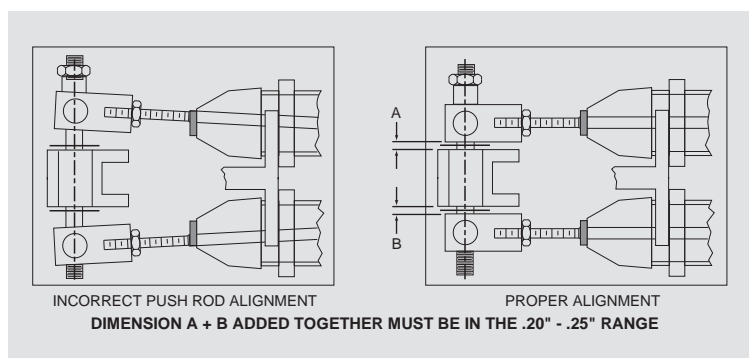


Figure 4. Example of pushrod alignment

PEDAL RATIOS / MECHANICAL LEVERAGE:

Pedal ratio, or mechanical leverage is the ratio calculated from the length from the pivot point of the pedal to the center of the foot pedal (A), divided by the length from the pivot point to the master cylinder pushrod (B). Refer to the figures below.

Mechanical leverage is simply a means of increasing the brake force without increasing your leg effort. As "A" gets longer and "B" gets shorter, the mechanical leverage increases brake force without pushing harder on the pedal. The disadvantage is that the pedal stroke also increases, requiring you to push the pedal further.

With a 1 inch master cylinder stroke, a 100 pound push on the pedal, and the pedal having a 4:1 ratio, the force is $4 \times 100 = 400$ pounds, and the stroke is $4 \times 1 = 4$ inches. With a 100 pound push on the pedal, and the pedal having a 6:1 ratio, the force is $6 \times 100 = 600$ pounds, and the stroke is $6 \times 1 = 6$ inches.

If uncertain about which pedal ratio is right for your application, a 6:1 ratio is an excellent starting point.

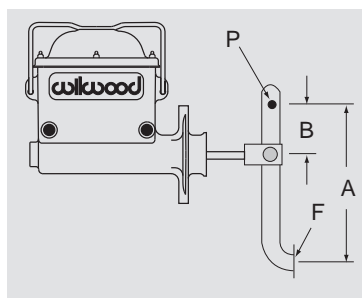


Figure 1

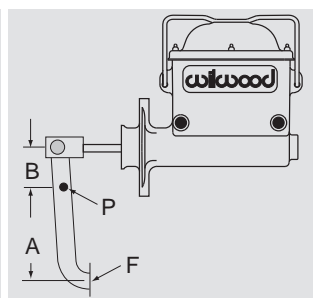


Figure 2

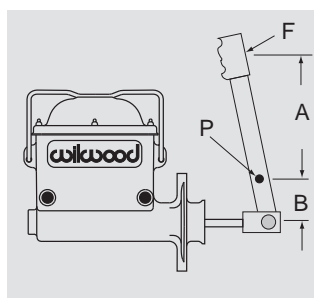


Figure 3

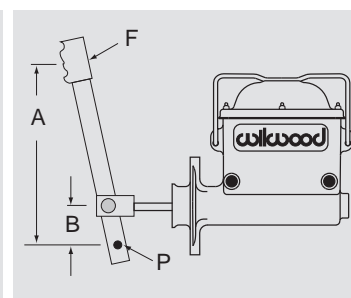


Figure 4

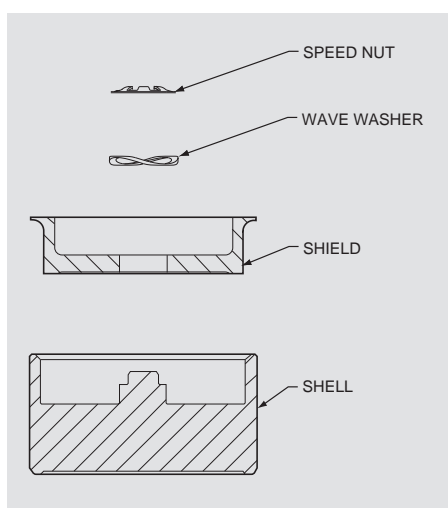
A = Distance from pivot point to middle of push / pull point
B = Distance from pivot to point of push on master cylinder
P = Pivot point
F = Force or push



THERMLOCK® PISTONS

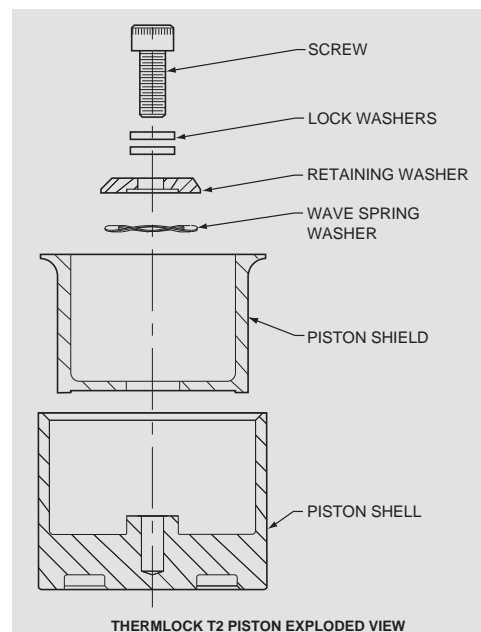
THERMLOCK® PISTON TECHNOLOGY:

Wilwood's exclusive **Thermlock®** Pistons provide the most effective thermal barrier available for minimizing heat transfer from the brake pads to the caliper body, seals, and fluid. This innovative multi-part design incorporates a stainless steel shield and coated aluminum shell configuration that effectively retards heat transfer by 25% and more. Lower operating temperatures translate to the elimination of seal crystallization, the elimination of localized fluid boiling, and longer service life through decreased distortion in the caliper body and piston bores. This technology was originally developed for the extreme temperatures and sustained high heat realized in NASCAR and professional category road racing. The applications now cover all the popular Wilwood calipers used for extreme duty short track and road course competition.



Thermlock T1 Piston, Exploded View

Thermlock® T2 pistons are the latest design deep cup pistons used as standard equipment in the STR, Prolite, Integra, and GTIII/ST calipers. The T2 series utilizes increased shield wall thickness and a revised thermal barrier configuration to eliminate all compressibility within the piston. The part numbers listed below can be used as current service replacements or as upgrades for older model calipers.



Thermlock T2 Piston, Exploded View

Thermlock® T1 pistons are the latest intermediate and short length designs used as standard equipment in all W6AR, W4AR, Superlite, and GN III caliper models that include the "ST" model designation. The T1 pistons feature a revised shield, shell, and thermal barrier configuration to eliminate all compressibility within the piston. The part numbers listed below can be used as current service replacements, or as upgrades in any stainless steel piston equipped or older model calipers.

ORDERING INFORMATION:

<u>T2 PART NO.</u>	<u>DIAMETER</u>	<u>LENGTH</u>	<u>CALIPER APPLICATIONS</u>
200-7398	1.62"	1.40"	STR, Integra 4 and 6, Prolite 4 and 6
200-7402	1.25"	1.40"	STR, Integra 6R, Prolite 6R

<u>T1 PART NO.</u>	<u>DIAMETER</u>	<u>LENGTH</u>	<u>CALIPER APPLICATIONS</u>
200-7550	1.88"	1.05"	W6AR, W4AR, Superlite
200-7551	1.75"	1.05"	W6AR, W4AR, SL, NDL, NDP, GN III
200-7552	1.75"	0.88"	TC6R, Dynalite, DynaPro
200-7553	1.62"	1.05"	W6AR, W4AR, Superlite, NDL, NDP
200-7554	1.38"	1.05"	W6AR, W4AR, SL, NDL, NDP, GN III
200-7555	1.25"	1.05"	W6AR, W4AR, Superlite, IR-GT
200-7556	1.12"	1.05"	W6AR, W4AR, Superlite, IR-GT, NDL, NDP
200-7557	1.00"	1.05"	Superlite, IR-GT, NDL, NDP
200-9615	1.62"	0.88"	TC6R, BNSL6R, Dynalite, DynaPro
200-9616	1.38"	0.88"	TC6R, Dynalite, DynaPro
200-11342	1.12"	0.88"	TC6R, BNSL6R, Dynalite, DynaPro
200-11343	1.25"	0.88"	TC6R, Dynalite, DynaPro

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

PROPORTIONING VALVES

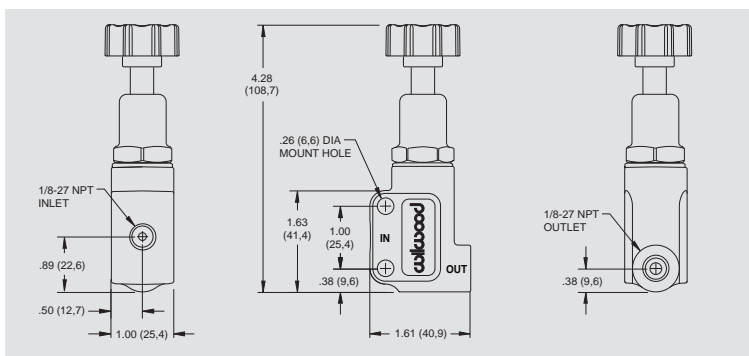


www.wilwood.com

The new generation of adjustable proportioning valves combines the latest refinements in manufacturing processes and materials to deliver precise pressure metering and unyielding strength from a compact and lightweight forged billet design. Pressure adjustments range from 100-1000 PSI and provide for a maximum decrease of 57% in line pressure, the most of any available valve. This adjustment lets you fine tune the front to rear braking balance by proportionally decreasing the rear (or in some cases the front) brake line pressure. Can also be used to adjust individual front wheel braking in dirt track applications. Valves weigh only 5.2 ounces (knob), 6.1 ounces (lever), and have two .25" side mounting holes spaced 1.00" apart. Standard in and out ports are 1/8-27 NPT.

KNOB STYLE PROPORTIONING VALVE:

Adjuster knob with fine thread tuning provides precise pressure adjustment. Used for street rods, pro series racing and off road vehicles.

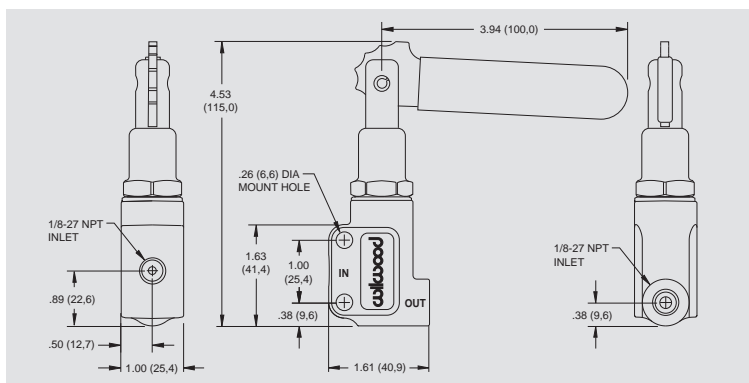


ORDERING INFORMATION:

DESCRIPTION	PART NO.
Knob style proportioning valve	260-8419

LEVER STYLE PROPORTIONING VALVE:

This proportioning valve has six preset adjustment points actuated by moving a lever allowing racers to adjust brake bias during a race without having to "look" where the knob position is. The lever "clicks" into the six positions for positive adjustment and the bright red lever is easily seen in a busy racing cockpit. Lever can be rotated 180° for easy installation and mounting location. Ideal for oval track, road race, and off road racing where car and racing conditions change throughout the race.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Lever style proportioning valve	260-8420

• PROPORTIONING VALVES •



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COMBINATION PROPORTIONING VALVE

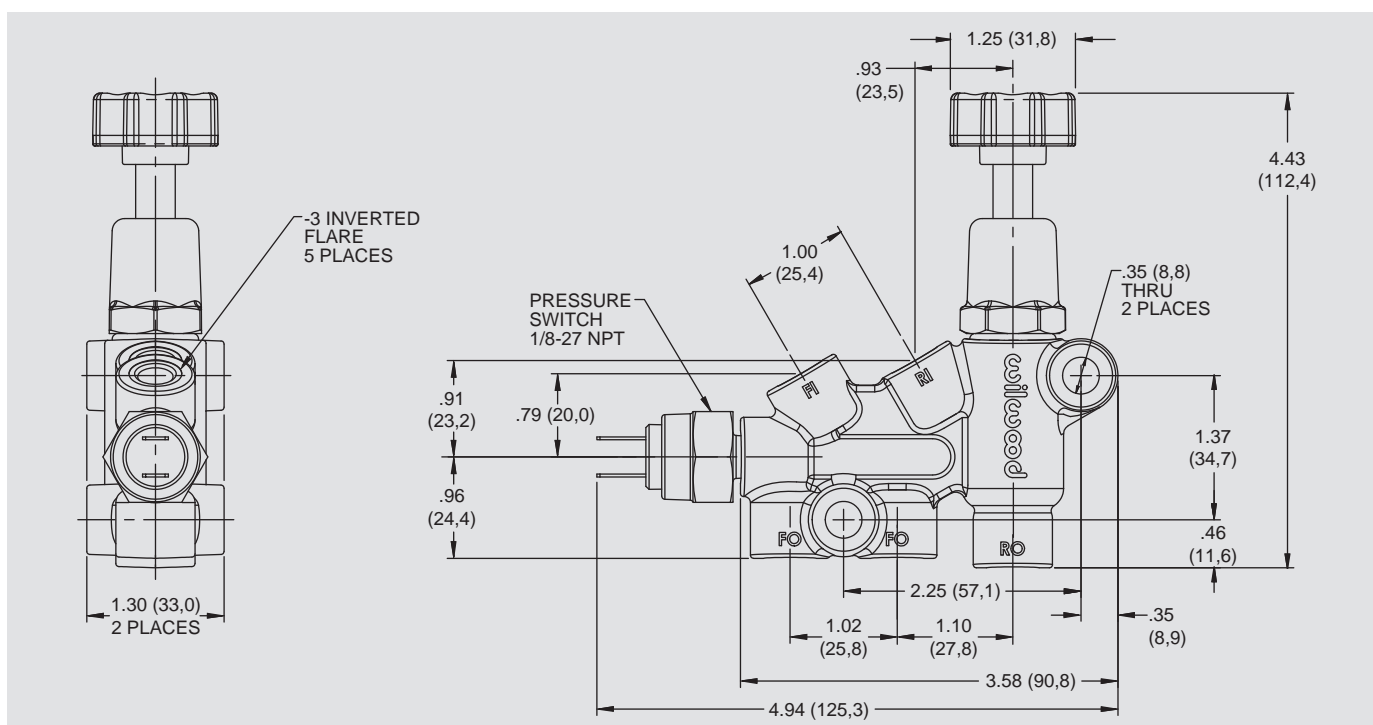
KNOB STYLE COMBINATION PROPORTIONING VALVE:

Wilwood's new Combination Proportioning Valve is now available. This new valve substantially simplifies mounting, plumbing, wiring and brake proportioning adjustments on vehicles with custom brake systems. The combination block maintains full isolation between front and rear fluid circuits and can be used in conjunction with any tandem outlet or dual mount master cylinder assemblies. The rear circuit has a single inlet and single outlet with the adjustable proportioning valve. The front circuit has a single inlet with two outlets. It can be run as a single outlet with one outlet plugged, or used to split the plumbing on its way to the front calipers. The brake light switch is immediately activated by pressure in the front circuit. The sturdy forged body incorporates two 5/16" through holes for secure mounting to the frame or a reinforced chassis brace.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Combination style proportioning valve	260-11179



QUICK CHECK PRESSURE GAUGE:

This easy to read two inch diameter non-hazing face allows for quick brake line pressure checks from 0-1,500 PSI (or 0-10,000 kPa). 20 PSI graduations and accuracy to 1.5% permit reliable brake bias setup and brake system troubleshooting. It is durable and corrosion resistant.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Quick check pressure gauge	260-0966



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

GM STYLE PROPORTIONING VALVE



www.wilwood.com

GENERAL MOTORS REPLACEMENT PROPORTIONING VALVE:

This Proportioning Valve is a direct replacement for 1978 and newer General Motors vehicles equipped with front disc/rear drum brakes. However, valve must be mounted such that it has ground contact with the vehicle's chassis for circuit failure function to operate.

The proportioning function is non-adjustable by the user and functions automatically (knee point, rate, etc.). Unit yields a 63% pressure reduction (rear) after reaching a 350 PSI knee point. Can operate in extreme temperatures from -50°F to 160°F.

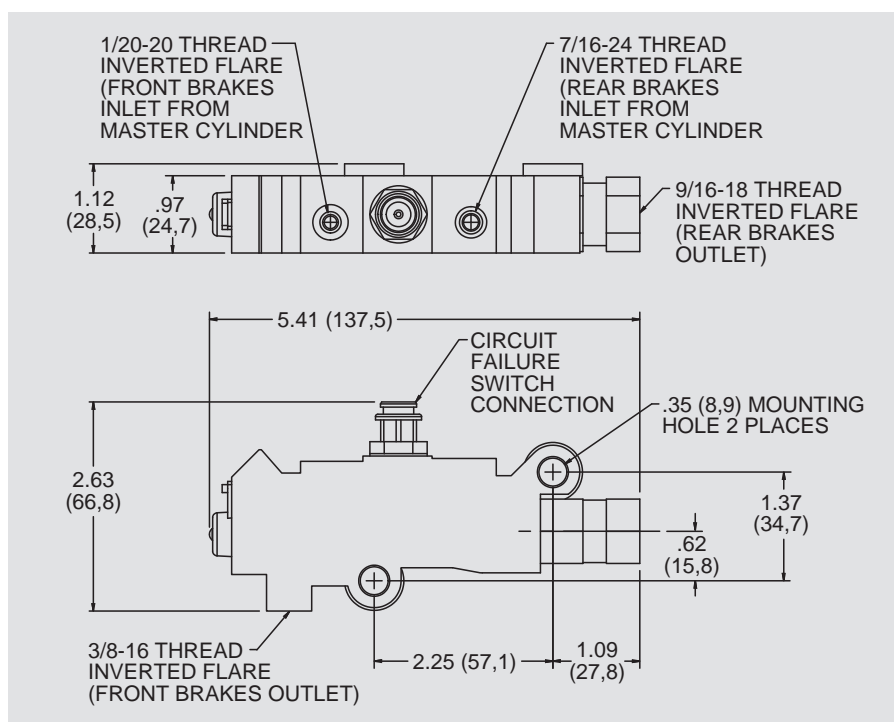
Circuit failure indicator function completes circuit through switch when either front or rear brake circuit experiences pressure loss or differential. The anti-dive or metering delay valve enables rear brake pressure to build momentarily before front brake pressure builds.

Each unit is tested at the factory for all functions prior to shipment. Valve is manufactured from high quality aluminum and coated with a durable black anodized finish.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Wilwood GM style proportioning valve	260-11322

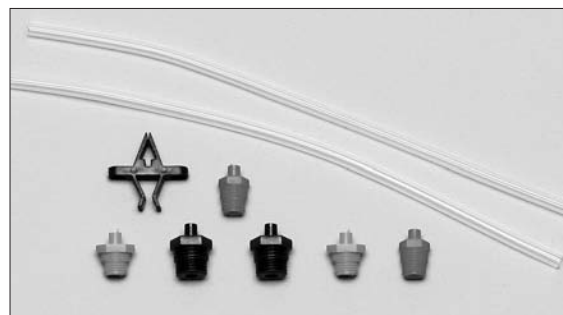


MASTER CYLINDER BLEEDING KIT:

This master cylinder bleeding kit makes bench bleeding your master cylinder a snap. Includes various size adapters for virtually every application along with two clear bleeder tubes. Kit can be used on tandem as well as single reservoir master cylinders.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Wilwood master cylinder bleeding kit	260-11593



Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• PROPORTIONING VALVES •



LINE SHUT-OFF VALVE

WARNING • NOT A LINE LOCK • NOT FOR STREET USE

THIS DEVICE IS INTENDED FOR SPECIALIZED RACING USE ONLY. READ INSTRUCTIONS AND ALL WARNINGS CAREFULLY. INSTALLATION OF THIS COMPONENT SHOULD **ONLY** BE PERFORMED BY PERSONS EXPERIENCED IN THE INSTALLATION AND PROPER OPERATION OF DISC BRAKE SYSTEMS. IT IS THE RESPONSIBILITY OF THE PERSON INSTALLING ANY BRAKE COMPONENT OR KIT TO DETERMINE THE SUITABILITY OF THE COMPONENT OR KIT FOR THAT PARTICULAR APPLICATION.

RACING EQUIPMENT AND BRAKES MUST BE MAINTAINED AND SHOULD BE CHECKED REGULARLY FOR FATIGUE, DAMAGE AND WEAR.

WILWOOD LINE SHUT-OFF VALVE:

This valve can be used as a brake shut-off. When energized, the valve will block pressure from reaching downstream. The valve does not prevent fluid from returning to the master cylinder. This eliminates the possibility of trapping pressure when activating the valve.

Mounting/Routing: Position the brake shut-off valve between the master cylinder and the caliper to be shut-off. Mount securely with the bleed screw in the up position utilizing the mounting slots in the bracket using two mounting screws (not provided). The in/out brake shut-off ports are 1/8-27 NPT threads. An adapter may be required from the port fittings of the unit (included) to the brake line tubing depending upon the application. Run a brake line from the master cylinder to the "IN" port of the brake shut-off. Run another line from the "OUT" port of the brake shut-off to the caliper you want to control. The brake shut-off may be bled through the top bleed screw if necessary.

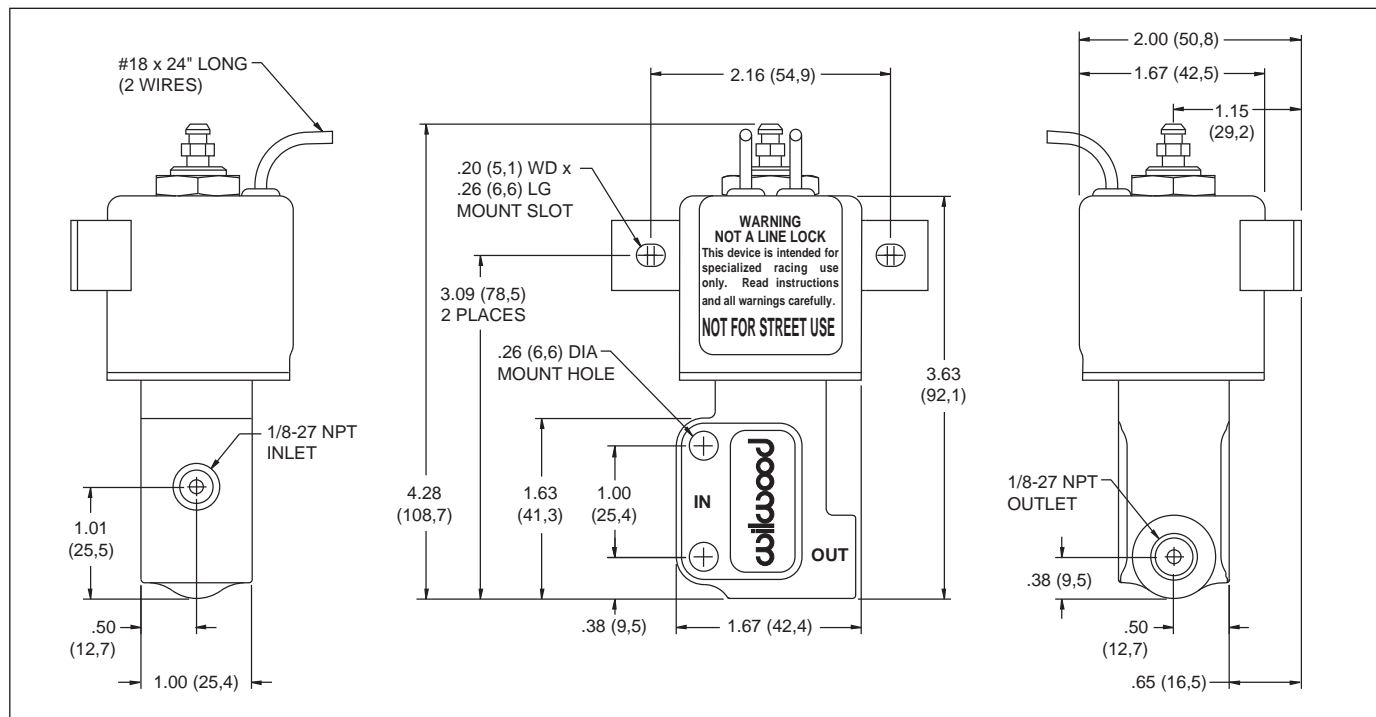


Wilwood's Line Shut-off Valve

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Line Shut-Off Valve	260-9921

Wiring: The lead wires should be connected to a 12 volt, 5 amp (recommended) fused power source through a toggle switch. Always be sure to switch off the power to the line shut-off when the unit is not needed.



Line Shut-off, Mounting Dimensions

FOR OFF ROAD USE ONLY

BEFORE OPERATING VEHICLE, TEST THE BRAKES UNDER CONTROLLED CONDITIONS. MAKE SEVERAL STOPS IN A SAFE AREA FROM LOW SPEEDS AND ONLY GRADUALLY WORK UP TO HIGHER SPEEDS. **DO NOT RACE ON UNTESTED BRAKES! ALWAYS** UTILIZE SAFETY RESTRAINT SYSTEMS WHILE OPERATING VEHICLE.

IMPORTANT: READ DISCLAIMER OF WARRANTY INCLUDED WITH THE COMPONENTS.

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

SELF BLEED LINES / CHECK VALVE



www.wilwood.com

SELF BLEED LINES:

Wilwood's **Self Bleed Lines** are designed for a precise, low profile fit to accommodate gravity bleed and fluid recirculation systems. Each line is pressure tested to ensure quality and performance. For detailed plumbing instructions, download Wilwood's Dynamic Bleed System Installation Diagram / Instructions at www.wilwood.com/pdf/ds213.pdf.

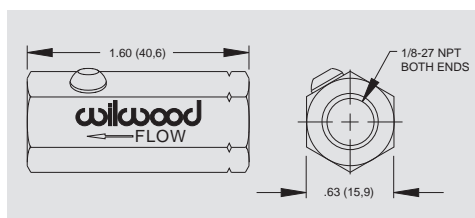


ORDERING INFORMATION:

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
STR (1.62" rotor)	190-7507	SL III, SL-GT, LC-GT Self Bleed Line (1.25" rotor)	190-4743
Superlite 4 / 6 (1.25" rotor)	190-8310	Integra Series (1.25 / 1.31 / 1.38" rotor)	190-5144
Prolite 6 / Prolite 6R (1.38" rotor)	190-5604		

CHECK VALVE:

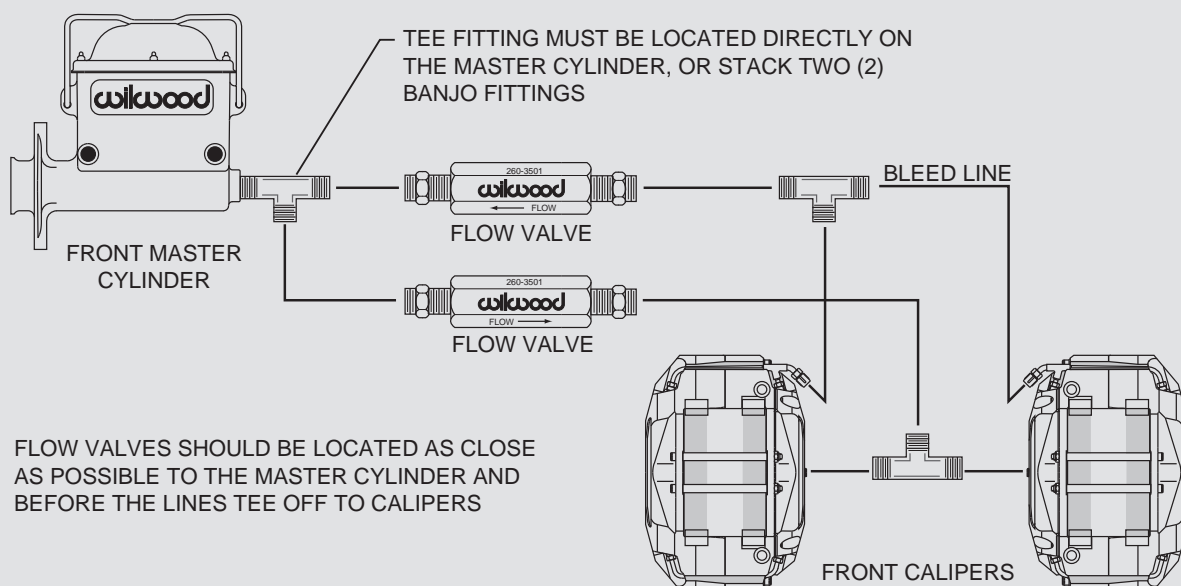
Wilwood compact **Check Valves**, or Flow Control Valves are used in conjunction with our caliper Self Bleed Lines. Together they form a closed loop brake fluid system that allows small amounts of brake fluid to circulate every time the brake pedal is depressed, thereby eliminating the possibility of localized fluid boiling and build-up of gases within the brake fluid. Gases end up being vented back into the master cylinder reservoir rather than trapped within the caliper and brake lines. The result is a firmer, more consistent brake pedal under severe braking conditions. Our Check Valve accepts standard 1/8-27 NPT fittings. For plumbing instructions please download www.wilwood.com/pdf/ds213.pdf.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Check Valve (flow control valve)	260-3501

BALANCE BAR DUAL MASTER CYLINDER SETUP, FLOW VALVE INSTALLATION DIAGRAM:



Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• SELF BLEED LINES / CHECK VALVE •



MASTER CYLINDERS

COMPACT COMBINATION REMOTE MASTER CYLINDER KIT:

Wilwood's compact combination master cylinders have been fully redesigned for limited space applications requiring the output capacity of a full size master cylinder.

Four mounting options with choices for direct or remote mounting of seven or ten ounce reservoirs that include an impact resistant threaded cap with an internal baffle and seals.

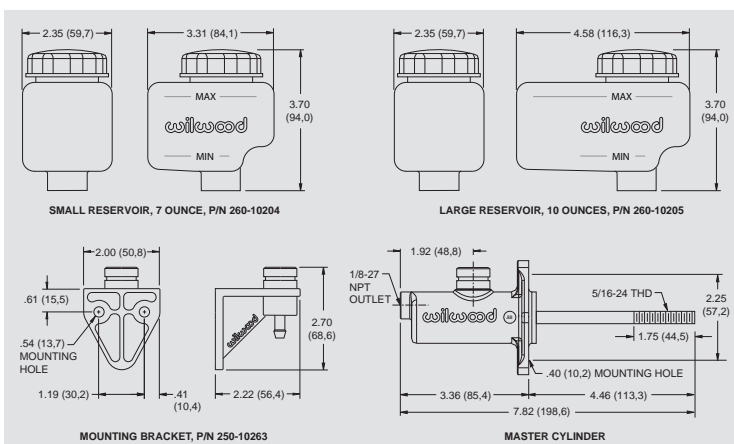
Over 2" additional clearance compared to full size master cylinders, the ultra short 3.37" compact body provides 2.16" of additional clearance between the mounting flange and the fluid outlet.

Standard 1/8" NPT outlet ports provide a positive seal and reduce the potential for stripped threads. A full 1.12" of piston stroke meets or exceeds the stroke capacity of most full size master cylinders.

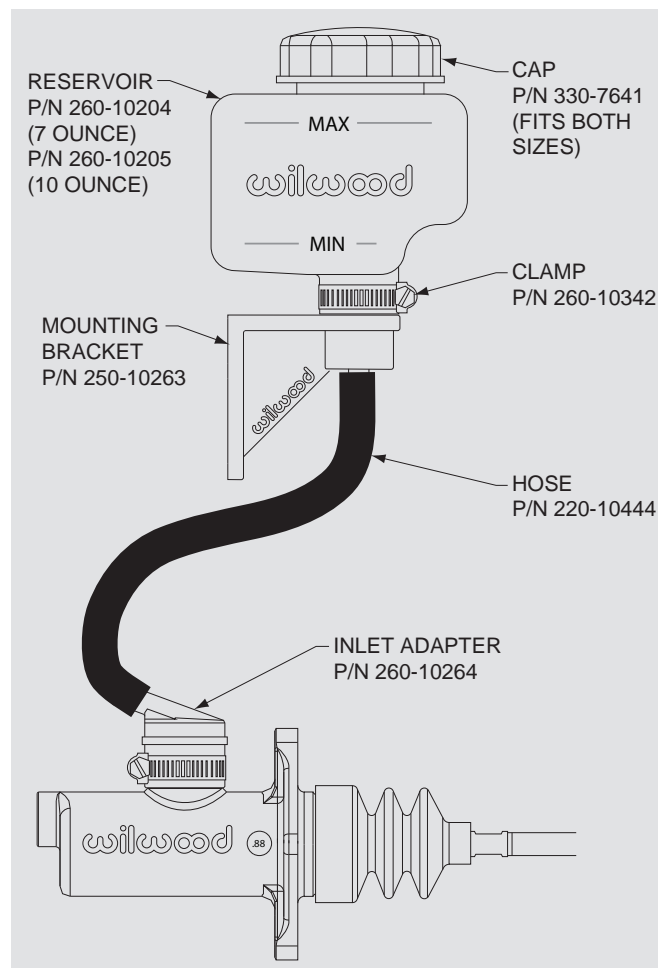
Master cylinder aluminum bodies are coated with Wilwood's own black e-coat to resist corrosion and maintain a durable long lasting finish.



Compact "Short" Remote Master Cylinder



Minimum Mounting Requirements for Mounting Bracket, M/C and Reservoirs



Remote Reservoir Configuration

ORDERING INFORMATION:

DESCRIPTION	PART NO.
5/8" Combination M/C Kit (1.2 stroke)	260-10371
3/4" Combination M/C Kit (1.2 stroke)	260-10372
13/16" Combination M/C Kit (1.2 stroke)	260-10373
7/8" Combination M/C Kit (1.2 stroke)	260-10374
1" Combination M/C Kit (1.2 stroke)	260-10375
1-1/8" Combination M/C Kit (1.2 stroke)	260-10376

REBUILD KITS	PART NO.
Rebuild Kit, 5/8" Combination	260-10513
Rebuild Kit, 3/4" Combination	260-3881
Rebuild Kit, 13/16" Combination	260-5921
Rebuild Kit, 7/8" Combination	260-3882
Rebuild Kit, 1" Combination	260-3883
Rebuild Kit, 1-1/8" Combination	260-3884

Remote Reservoir Hose, 1/4" I.D. x 30" Long	220-10444
Remote Reservoir Hose, By the Inch	220-10414

COMBINATION REMOTE MASTER CYLINDER KIT:

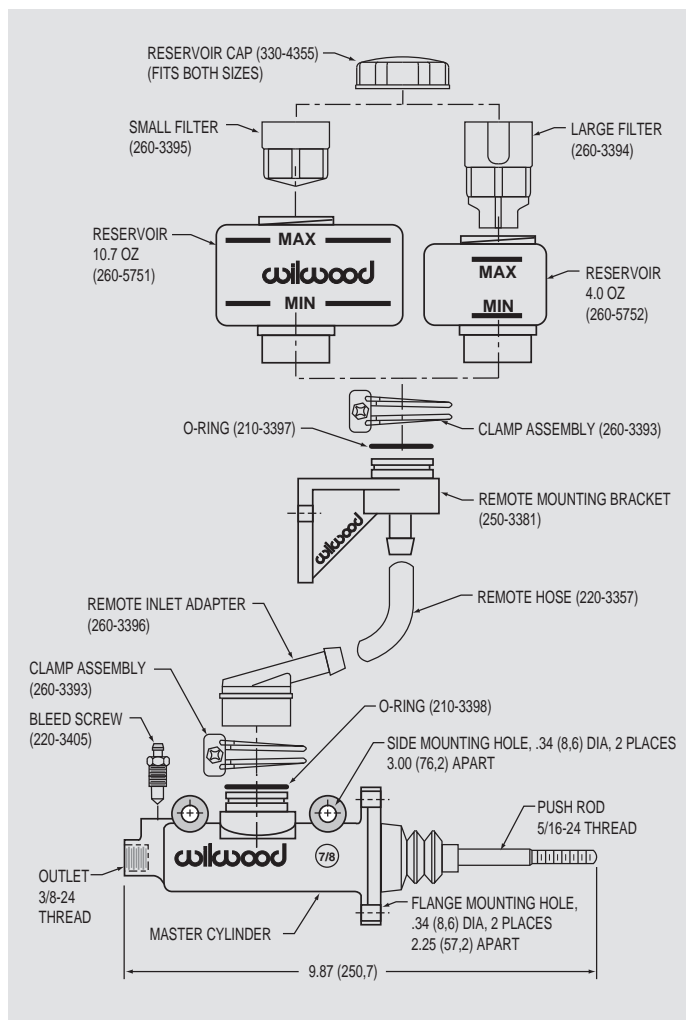
Six different bore sizes and four different installation configurations are available in this master cylinder kit. Precision machined from high strength aluminum, this kit includes both small and large size reservoirs which can be mounted directly on the master cylinder or remotely mounted for more convenient service access. Standard mounting bolt hole configurations provide easy applications for racing and off road vehicles, specialty cars, recreation and industrial vehicles.



Combination Remote Master Cylinder



Individual Kit Components



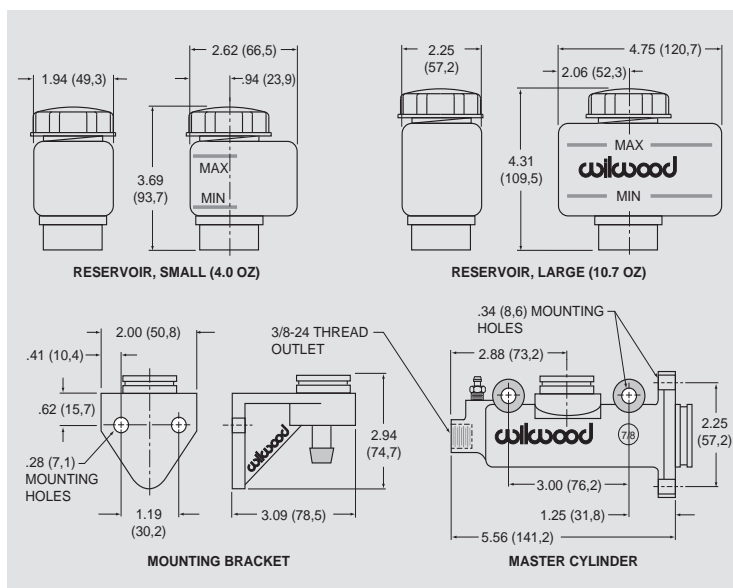
Individual Components with Part Numbers

ORDERING INFORMATION:

DESCRIPTION	PART NO.
5/8" Combination M/C Kit (1.3 stroke)	260-3372
3/4" Combination M/C Kit (1.1 stroke)	260-3374
13/16" Combination M/C Kit (1.1 stroke)	260-5920
7/8" Combination M/C Kit (1.2 stroke)	260-3376
1" Combination M/C Kit (1.0 stroke)	260-3378
1-1/8" Combination M/C Kit (1.0 stroke)	260-3380

REBUILD KITS	PART NO.
Rebuild Kit, 5/8" Combination	260-3880
Rebuild Kit, 3/4" Combination	260-3881
Rebuild Kit, 13/16" Combination	260-5921
Rebuild Kit, 7/8" Combination	260-3882
Rebuild Kit, 1" Combination	260-3883
Rebuild Kit, 1-1/8" Combination	260-3884

Push Rod	230-6171
Remote Reservoir Hose, 3/8" I.D. x 30" Long	220-3357
Remote Reservoir Hose, By the Inch	220-5613



Minimum Mounting Requirements for Mounting Bracket, M/C and Reservoirs



www.wilwood.com

MASTER CYLINDERS



MASTER CYLINDERS

HIGH VOLUME ALUMINUM MASTER CYLINDER:

Wilwood High-Volume Aluminum Master Cylinders represent the latest refinements in brake pressure actuation and fluid control. Each master cylinder is high pressure die-cast from high-grade aluminum, fully machined, and assembled with exclusive features only available from Wilwood.

Wilwood High-Volume aluminum master cylinders have the highest fluid capacity of any integral reservoir design. With a total capacity of 8.2 ounces, there is at least 26% more fluid than most competitive brands. More fluid volume means cooler temperatures and additional insurance for extreme conditions where high pad wear can compromise fluid levels during long events. With 1-7/16" of piston travel, there is plenty of margin when used with large four or six piston calipers.

Most other brands of aluminum master cylinders are traditional sand castings. Sand castings have a rougher and less accurate finish than die-castings and are more prone to porosity and pitting when the bores are machined. Consequently, sand-cast cylinders must be fitted with a stainless steel sleeve to achieve a smooth bore finish. The sleeve not only inflates the price of the master cylinder, but it also retains heat longer causing higher operating temperatures inside the piston bore.

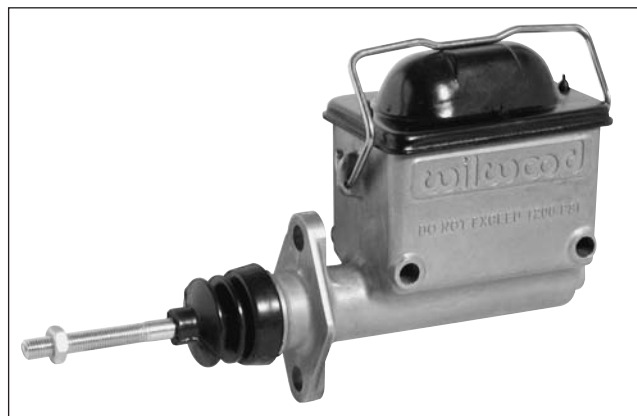
The accuracy of high pressure die-casting allows Wilwood aluminum master cylinders to leave the mold at near finished bore size. First, the fluid feed and pressure compensation holes are drilled from the reservoir chamber to the piston bore. Then, a special micro-finishing process produces a porosity free bore that provides superior seal life, long wear, and better heat dissipation than stainless steel sleeved models. Bore diameter and taper tolerances are held tight to assure proper seal contact and the elimination of any potential pressure loss from bypassing under load.

An internal sash baffle guarantees a constant fluid supply to the bore chamber during hard cornering, acceleration, and braking. This unique baffle also eliminates aeration into the reservoir from return fluid that can occur during brake release and bleeding procedures.

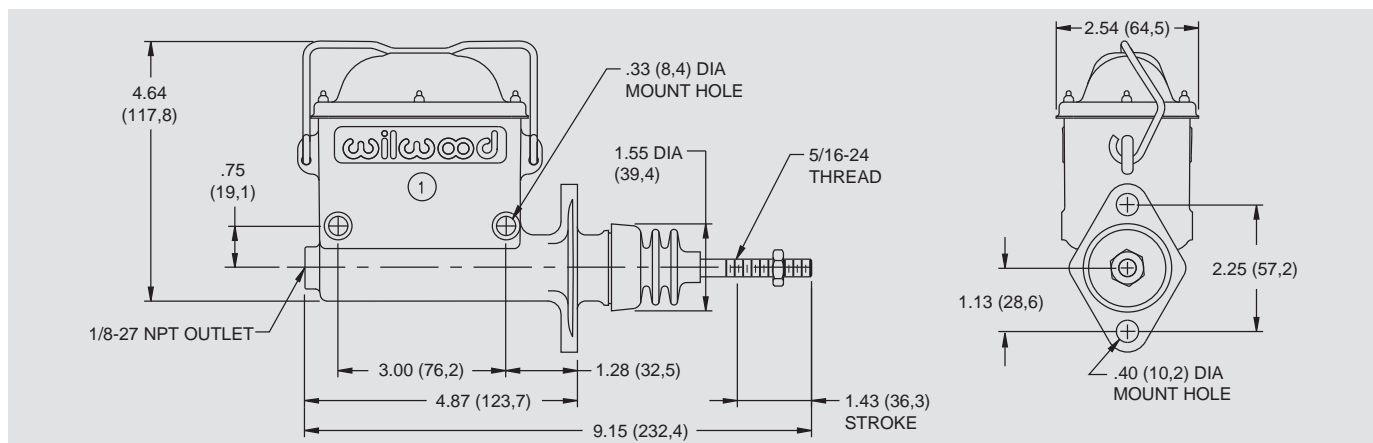
Heavy duty internal piston springs provide fast retraction for immediate release and positive fluid transfer without the need for cumbersome external pushrod springs. Pedal feel is improved, piston retraction is guaranteed, fluid recovery is quicker, and the bleeding process is simplified.

Formed steel lids, heavyweight bail wires, and bellows type gaskets keep the fluid in and the moisture out, with correct pressure balancing during fluid displacement.

Wilwood master cylinders use common dimensions for either flange or side mounting with 1/8-27 NPT fluid ports for easy interchange with all other racing master cylinders.



High-Volume Aluminum Master Cylinder



ORDERING INFORMATION:

DESCRIPTION	PART NO.	ACCESSORIES	PART NO.
High-Volume Alum M/C – 3/4" bore	260-6764	Rebuild Kit – 3/4" bore	260-6898
High-Volume Alum M/C – 7/8" bore	260-6765	Rebuild Kit – 7/8" bore	260-6899
High-Volume Alum M/C – 1" bore	260-6766	Rebuild Kit – 1" bore	260-6900
		Lid with Gasket	330-7085
Lid Bail Wire	300-6726	Gasket	210-6725

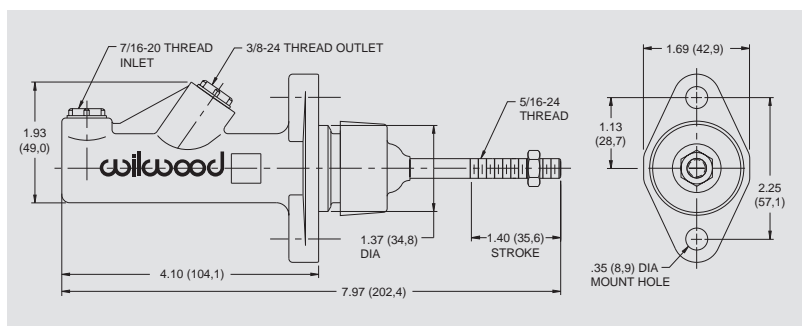
WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



COMPACT MASTER CYLINDERS:

Compact master cylinders are the perfect solution for club sport racers, small open wheel cars, or any other custom application where there is limited space for the master cylinder and fluid reservoir. Aluminum cylinders with either a detachable or remote fill reservoirs, or a one-piece integral reservoir version, are available in three bore sizes from .625" to .750" with a full 1.4" of stroke to accommodate short pedal ratios, small brake calipers, and hydraulic clutch actuation on space limited applications.

DETACHED RESERVOIR COMPACT ALUMINUM MASTER CYLINDER:

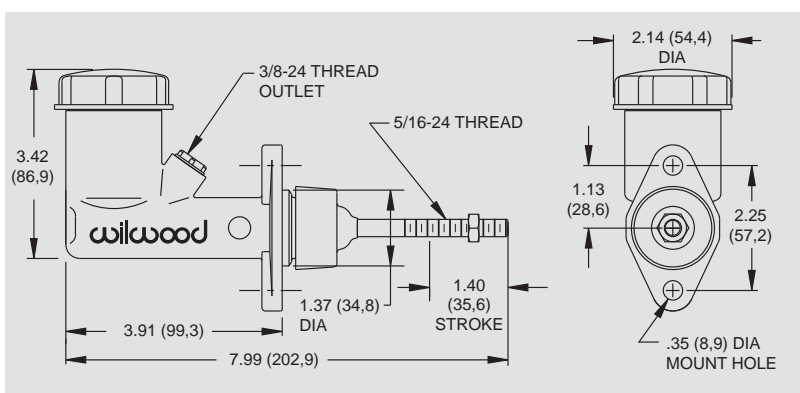


ORDERING INFORMATION:

DESCRIPTION	PART NO.
Remote Master Cylinder – .625" bore (shown top right)	260-6087
Remote Master Cylinder – .700" bore (shown top right)	260-6088
Remote Master Cylinder – .750" bore (shown top right)	260-6089
Reservoir Kit (bottom right), Compact Remote (small 4.0 oz)	260-7577
Reservoir Kit (bottom right), Compact Remote (large 10.7 oz)	260-8742

INTEGRAL RESERVOIR COMPACT ALUMINUM MASTER CYLINDER:

This popular lightweight, compact design is used for clutch and small master cylinder requirements and is well known for its dependability. It incorporates an improved plastic screw-on filler cap which protects the fluid in the 1.4 ounce reservoir, and is available in all three bore sizes.



ORDERING INFORMATION:

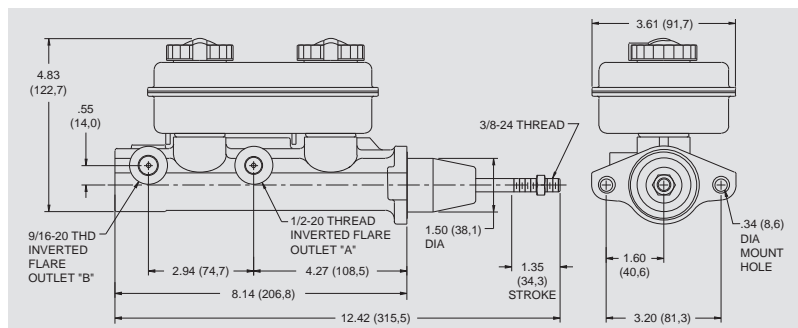
DESCRIPTION	PART NO.	ACCESSORIES	PART NO.
Aluminum Master Cylinder - .625" Bore	260-2636	Cap with Baffle	330-4355
Aluminum Master Cylinder - .700" Bore	260-6579	Cap with Diaphragm	330-7640
Aluminum Master Cylinder - .750" Bore	260-1304		



MASTER CYLINDERS

TANDEM MASTER CYLINDER:

Made from durable lightweight aluminum with a large capacity plastic reservoir and dual outlet bores, this master cylinder utilizes standard O.E.M. internal components. Standard factory mounting bolt holes can be adapted to racing pedal assemblies with an optional mounting adapter bracket (including push rod and dust boot, see diagram below). This lightweight (2.5 pounds) reliable master cylinder is used for Drag Racing, Late Model Stock Cars, Street Rod and Off Road applications.



Shown with kit P/N: 260-4894

ORDERING INFORMATION:

DESCRIPTION

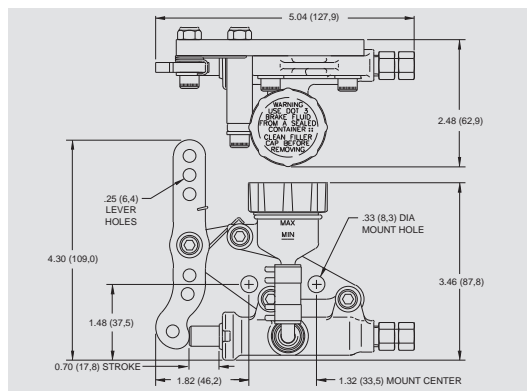
1-1/16" Tandem Master Cylinder
Tandem Master Cylinder Rebuild Kit (1-1/16" bore)
Tandem Master Cylinder Kit (includes m/c, boot, pushrod, retainer)
Universal Bracket Kit, (tandem master cylinder to fire wall)
Bracket Adapter Kit (tandem master cylinder to single brake pedal)
Replacement tube adapter fitting (3/16 x 1/2-20)
Replacement tube adapter fitting (3/16 x 9/16-20)

PART NO.

260-4893
260-4896
260-4894
250-2406
250-3677
220-5247
220-5248

KART / JR. DRAGSTER MASTER CYLINDER:

This super lightweight (only .55 pounds) 1/2" bore aluminum master cylinder designed specifically for Kart and Jr. Dragster racing applications incorporates an adjustable lever ratio with a remote mount clear fluid reservoir for easy monitoring. The assembly comes ready to install and includes billet bracket, lockwired drilled hardware and fluid line fitting. The unit is best utilized in conjunction with Wilwood's Kart / Jr. Dragster caliper (see page 59).



ORDERING INFORMATION:

DESCRIPTION

Master Cylinder with remote mount reservoir
Fitting, Straight, Brass, 1/8-27 NPT x 3/16
Hose, 1/4" I.D. x 1.15" Long
Clamp, .50" Diameter
Reservoir Assembly with Cap
Cap Assembly
Lever

PART NO.

260-5520
220-5487
220-5534
260-5556
330-4615
330-6014
330-5513

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

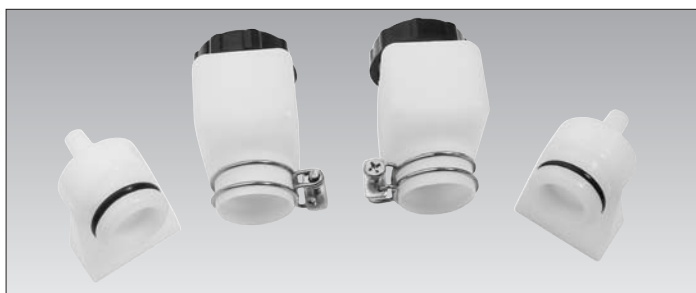


COMBINATION REMOTE TANDEM MASTER CYLINDER:

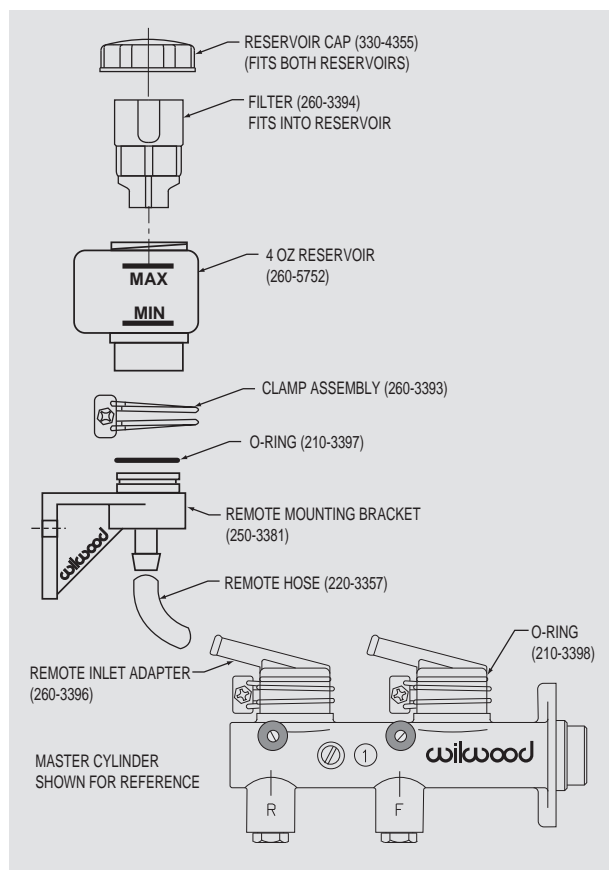
Tandem master cylinders provide one of the safest ways to actuate four wheel or dual caliper axle brake systems. This versatile, lightweight and easily adapted master cylinder provides single pushrod activation of two separate brake fluid circuits. By completely isolating the fluid reservoirs and circuits, the front and rear brakes are able to operate independently of each other and provide a safety net should any one side of the system become inoperable. The cylinder features 50/50 output from a 1.00" bore with 1.10" stroke. It is a great match for Wilwood's Bolt-On Disc Brake Kits, systems configured from OE components, and a variety of industrial applications. This master cylinder can be bolted directly to Wilwood's single mount pedals. The kit is shipped complete with the master cylinder and all necessary hardware including 30 inches of hose that can be cut to the desired length for remote mounting of the two 4 ounce fluid reservoirs.



Tandem Master Cylinder with Remote Inlet Adapters



Fluid Reservoirs and Remote Mount Brackets

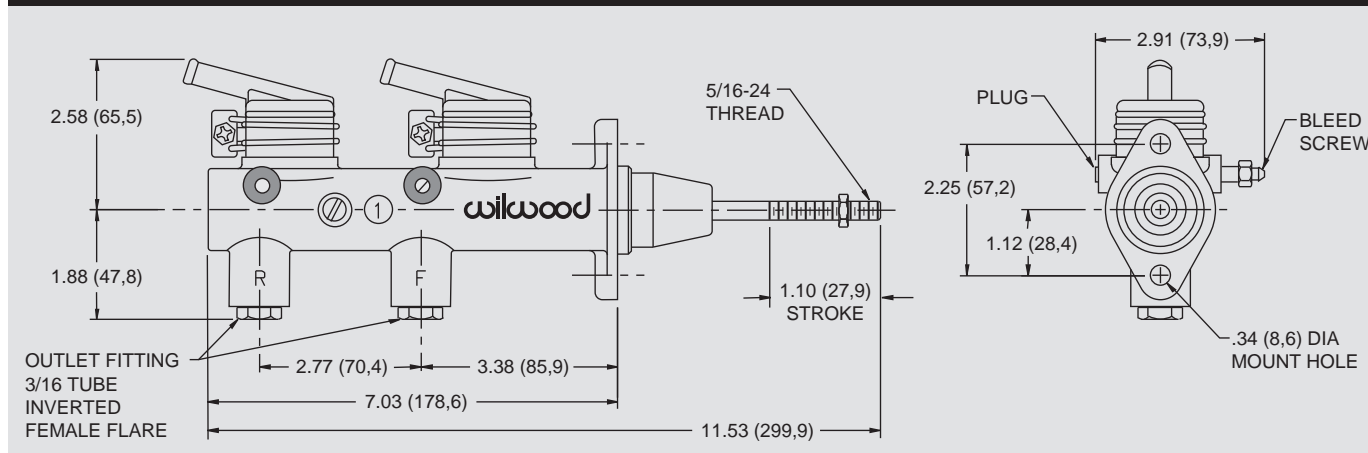


Remote Reservoir Configuration

ORDERING INFORMATION:

DESCRIPTION	PART NO.
Combination Remote Tandem M/C Kit-1.00" Bore	260-7563
Push Rod	230-6926

MOUNTING DIMENSIONS:



Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



MASTER CYLINDERS

TM1 TANDEM MASTER CYLINDER:

Manufactured from durable lightweight aluminum with dual outlet bores, this master cylinder utilizes standard Original Equipment Manufacturer (OEM) internal components. Standard factory mounting bolt holes can be adapted to racing pedal assemblies with an optional mounting adapter bracket. This lightweight (less than one pound) reliable master cylinder and unique new design makes it a perfect fit for a wide range of applications.



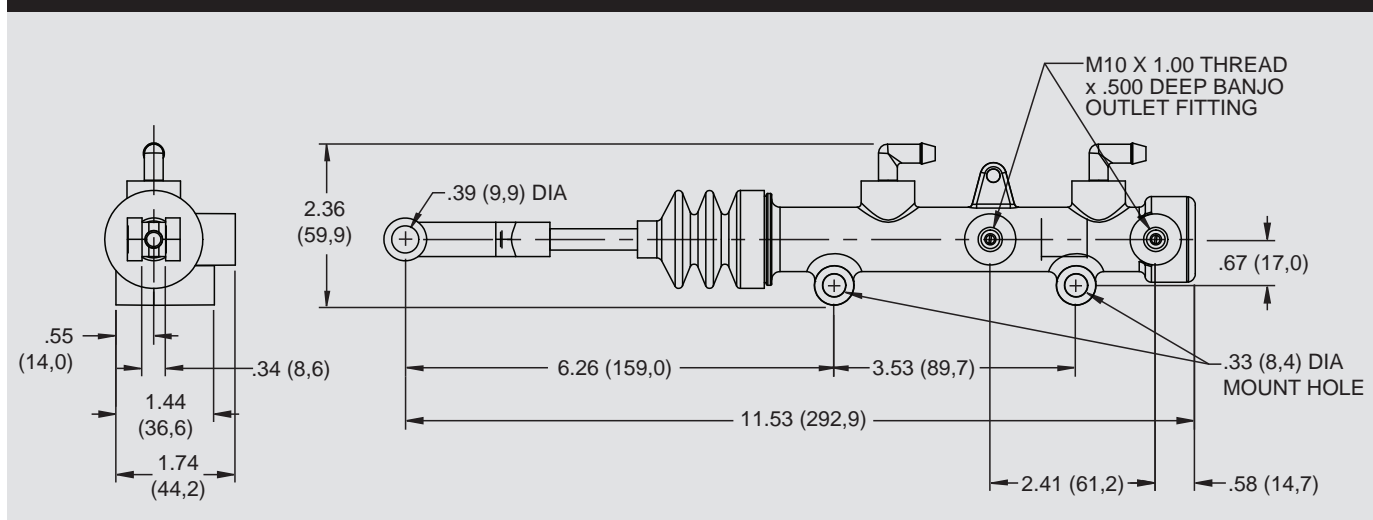
TM1 Tandem Master Cylinder

Compact design is perfect for applications where space is limited. Only 2.36" inches high with a body length of 6.00" (total including pushrod, 11.50") with a width of 1.80".

Currently available in 5/8" bore with optional remote mount reservoirs with a 1.31" stroke. Call Wilwood customer service at (805) 388-1188 for the availability of other bore sizes. Mounts easily with side mounts that accommodate 5/16" mounting bolts. Unit comes with a single sided M10 fluid inlet. Maximum operating pressure of 1,500 PSI for the toughest jobs.

Master cylinder comes ready to install with pushrod, clevis and dust boot. Compatible with DOT 3 and 4 brake fluids.

MOUNTING DIMENSIONS:



ORDERING INFORMATION:

DESCRIPTION	PART NO.
5/8" Bore Master Cylinder	260-11097
7 Ounce Remote Reservoir Kit w/30" of Hose (2 required per cylinder)	260-11098
Call Wilwood Customer Service for Other Reservoir Options at (805) 388-1188 or Visit our Web Site at www.wilwood.com	

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



www.wilwood.com

ALUMINUM TANDEM CHAMBER MASTER CYLINDER:

Wilwood tandem chamber master cylinders represent the latest refinements in brake pressure actuation and fluid control. The exclusive Wilwood features incorporated in this innovative and unique new design make it the perfect choice for a wide range of custom manual or power brake applications.

High-pressure die casting of a premium alloy produces a high-capacity body that is lightweight, looks great, and has the durability for competition. A black anodized, machined billet lid captures a pressure balanced bellows gasket with 100% sealing against moisture invasion or fluid leakage. The mounting flange is slotted to accommodate installation on bolt centers between 3.22" and 3.40". That makes it a simple bolt-on to many OE mounts including the popular Chrysler, Corvette, GM, and Ford Mustang master cylinder bolt patterns. The body also features two through-hole mounts on 6.40" centers for side mounting to frame members or other secure elements of the chassis.



Bright Finish Shown

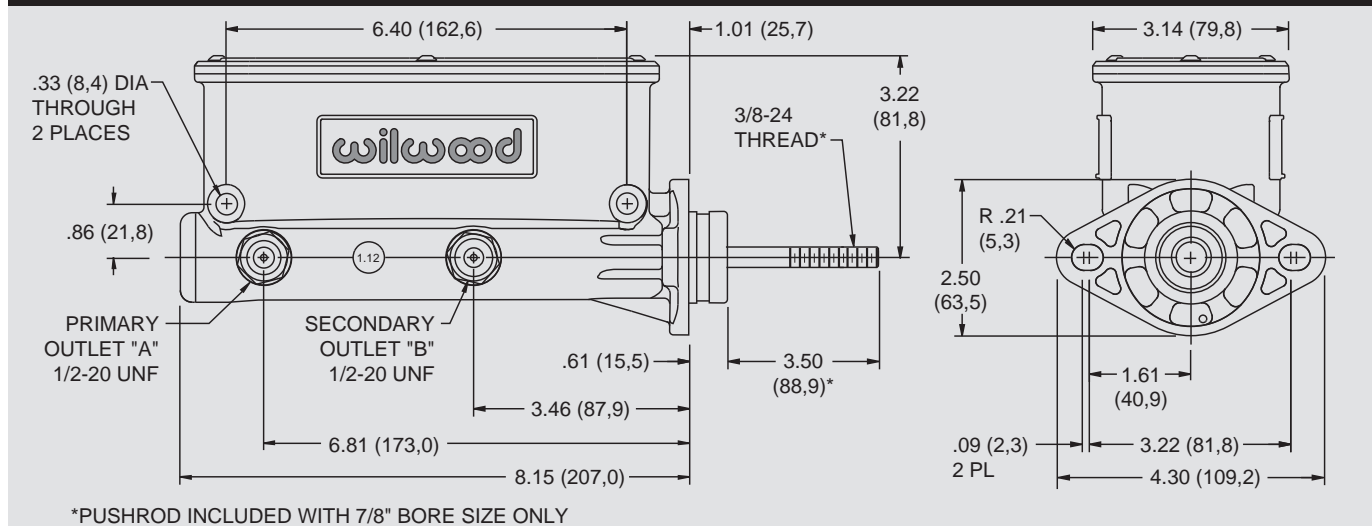
Aluminum Tandem Chamber Master Cylinder
Pushrod (not shown) Included with 7/8" Bore Size Only

Each master cylinder is configured with full separation between the front and rear reservoir chambers and fluid outlets. There is pressure access on both sides of the piston bore for right or left hand plumbing based on mount location. A total piston stroke of 1.10" is distributed at a 2:1 volume ratio between the primary and secondary chambers. A choice of either 7/8", 1" or 1-1/8" bore sizes provides the necessary options to match the volume and pressure requirements of nearly any application. And for those wanting a show car look, a bright finish, media burnished version is available and guaranteed to catch the eye of the most discriminating enthusiasts.

NOTE: Included with the master cylinder are fittings for various installation configurations. They include one (1) tube adapter, 1/2-20 x 9/16-18 IF, P/N 220-8575, one (1) tube adapter, 1/2-20 x 1/2-20 IF, P/N 220-8574 and two (2) tube adapters, 1/2-20 x 3/8-24 IF.

NOTE: Fabrication or modification of the pedal pushrod may be required on the 1" or 1-1/8" bore size to adapt the master cylinder to some applications. Installation should only be performed by persons with experience in the safe and proper operation of disc brake systems.

MOUNTING DIMENSIONS:



ORDERING INFORMATION:

7/8" BORE M/C	PART NO.	1" BORE M/C	PART NO.	1-1/8" BORE M/C	PART NO.
Standard Finish	260-9439	Standard Finish	260-8555	Standard Finish	260-8556
Black Finish	260-9439-BK	Black Finish	260-8555-BK	Black Finish	260-8556-BK
Bright Finish	260-9439-P	Bright Finish	260-8555-P	Bright Finish	260-8556-P
Rebuild Kit 7/8"	260-9606	Rebuild Kit 1"	260-9169	Rebuild Kit 1-1/8"	260-9170

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• MASTER CYLINDERS •

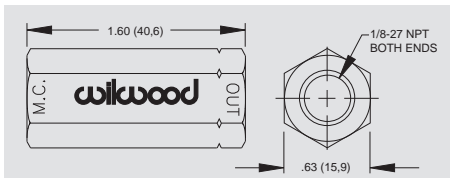


RESIDUAL PRESSURE VALVE / SLAVE CYLINDER

WILWOOD RESIDUAL PRESSURE VALVES:

These in-line pressure valves retain a minimum brake line pressure to help eliminate excessive pedal travel in both disc and drum brake systems.

The two pound valve is used in disc brake applications where the master cylinder is mounted below the horizontal plane of the calipers and fluid drain back occurs from gravity and vibration, thereby causing excessive caliper piston retraction and a longer brake pedal stroke. The minimal two pound residual pressure prevents fluid from flowing back without causing the brakes to drag. With drum brakes, a ten pound valve is used to compensate for return spring tension in the drums. Residual Pressure Valves are made from billet aluminum and color coded for easy identification. Ideal for Drag Racing, Street Rod and many Off Road applications.



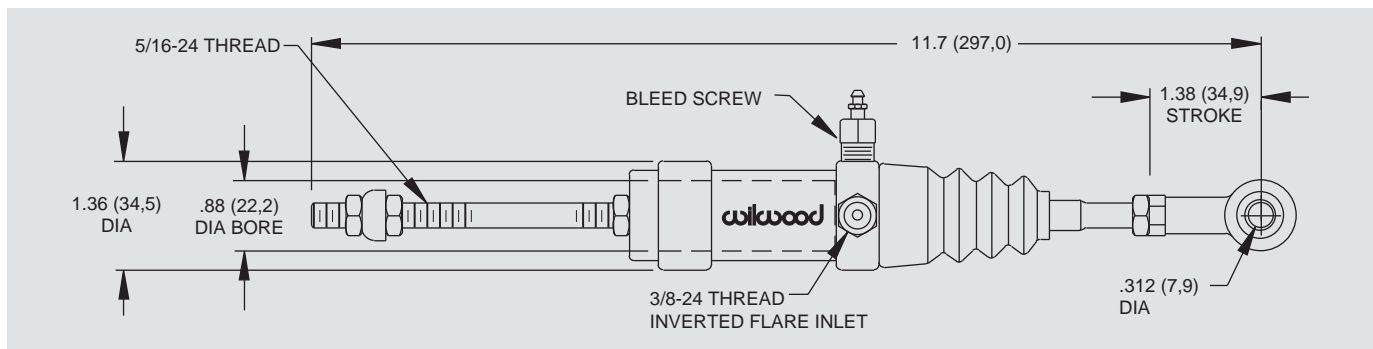
2 lb & 10 lb Residual Pressure Valves

ORDERING INFORMATION:

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
2 lb residual pressure valve (blue)	260-1874	10 lb residual pressure valve (red)	260-1876
2 lb residual pressure valve (blue) w/fittings	260-3278	10 lb residual pressure valve (blue) w/fittings	260-3279
1/8-27 double ended brass fitting - each	220-2415	1/8-27 to 3/8-24 tube adapter - 4 pack	220-0628

CLUTCH SLAVE CYLINDER:

This "Pull Type" slave cylinder is made from billet aluminum for high strength and plated with a tough anti-corrosion finish. The stainless steel push rod has a longer stroke than most cylinders assuring a full release of the clutch. Ideal for Drag Racing, Late Model Stock, Pro Series and Off Road applications.



ORDERING INFORMATION:

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
Clutch Slave Cylinder	260-1333	Rebuild Kit	260-5524

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

BRAKE FLUID



www.wilwood.com

EXP 600 PLUS - EXTREME PERFORMANCE RACING BRAKE FLUID:

EXP 600 Plus is a highly refined blend developed for extreme performance under the high heat and extreme pressure of professional motorsports.

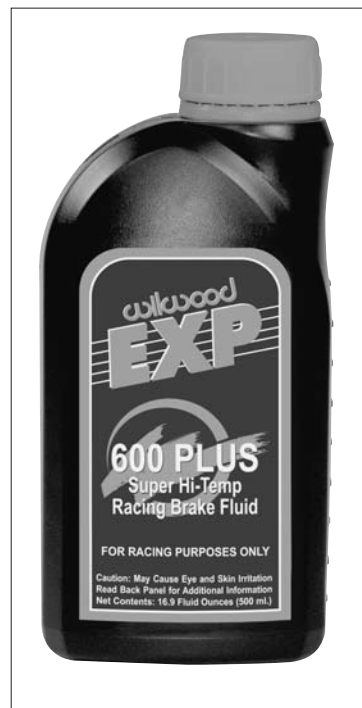
EXP 600 Plus has tested to 626 degrees Fahrenheit with a wet boiling point of 417 degrees Fahrenheit. These numbers far exceed any DOT or SAE specifications.

It is true that racing fluids need to have high boiling points. It is also true that fluids need to have low moisture affinity to slow the natural absorption rate of water vapor. But the true test of any fluid is how well it resists aeration and compressibility after it has been heated and pressure cycled a few hundred times. The real test is at the track. EXP has been proven to maintain firm pedal feel and quick response, long after others have failed.

A Nextel Cup car racing for 500 laps at Martinsville is the most grueling brake test in all of motorsports. The brakes will be applied up to 1,000 times, plus pit stops, at sustained high heat and repeated high pressure. IRL, CART, ASA, Busch, Craftsman Trucks, and a whole world of other oval and road course competition series also demand extreme performance from their brake systems. EXP 600 Plus has passed the test in every series!

Available in six-packs or economical 20 bottle cases.

Note: For optimum performance, EXP 600 Plus should not be diluted with any other brake fluids. Add new fluid to a clean system.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
EXP 600 Plus Six Pack, 6 ea 500 ML Bottles (16.9 fl oz)	290-8478
EXP 600 Plus Case, 20 ea 500 ML Bottles (16.9 fl oz)	290-6210

WILWOOD HI-TEMP° 570 RACING BRAKE FLUID:

Wilwood's specially formulated Hi-Temp° 570 Racing Brake Fluid has a minimum 570° F. dry boiling point to withstand the severe heat requirements of automotive racing. Hi-Temp° 570's low viscosity allows easy bleeding of your brake system, eliminating aeration of the brake fluid caused by foaming due to excessive pumping of the pedal.

Hi-Temp° 570 comes in convenient 12 ounce containers hermetically sealed to guarantee against unwanted absorption of moisture which can drastically lower the fluids boiling point (fluid from larger containers tends to become contaminated with moisture, lowering its boiling point and making it unsuitable for racing applications).

Available in six-packs or economical 24 bottle cases.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Wilwood Hi-Temp° 570 (24 bottle case)	290-0633
Wilwood Hi-Temp° 570 (6 pack)	290-2210

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141

• BRAKE FLUID •



BRAKE FLUID

WILWOOD DOT 5 "FIVE" BRAKE FLUID:

Wilwood FIVE is a highly refined, high-performance silicone brake fluid formulated to preserve the looks and reliability on classic vehicles and show cars. Its non-hygroscopic blend blocks moisture absorption to inhibit internal system corrosion. It is paint friendly and will not harm custom finishes should a spill or leak occur. Wilwood FIVE provides superior lubrication for all brake system wear surfaces with long life from the master cylinder and caliper pistons, bores, and seals. It is a fully DOT 5 compliant fluid meeting or exceeding FMVSS 116 and MIL-PRF-46176B-DOT specifications, and can be used in any vehicle that is OE specified for DOT 5 use.

Wilwood FIVE comes in convenient 12 ounce containers hermetically sealed to guarantee against unwanted absorption of moisture.

Available in six-packs or economical 24 bottle cases.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
DOT 5 "FIVE" Six Pack, 6 ea 12 Ounce Bottles	290-11085
DOT 5 "FIVE" Case, 24 each 12 Ounce Bottles	290-11083

WILWOOD SYNTHETIC ASSEMBLY LUBE:

Wilwood's specially formulated Synthetic Assembly Lubricant is designed to be used on pistons and rubber components when overhauling brake calipers, wheel cylinders and master cylinders for maximum protection and performance.

Comes in a convenient 4oz bottle size, with applicator tip. Also available in a case of 12 - 4oz bottles.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Wilwood Synthetic Assembly Lube, 1 each 4 Ounce Bottle	290-11087
Wilwood Synthetic Assembly Lube, 12 each 4 Ounce Bottles	290-11086

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

BRAKE FLEXLINES / BRAKE LINE FITTINGS



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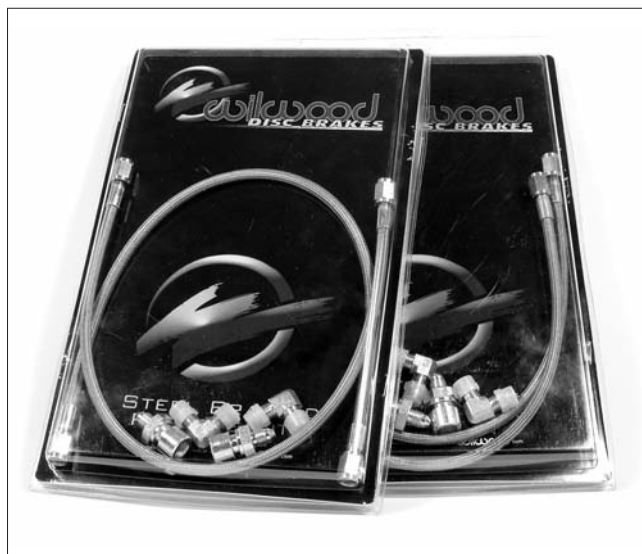
• BRAKE FLEXLINES / FITTINGS •

BRAKE FLEXLINES:

Wilwood's stainless steel braided **Flexlines** are manufactured to high quality standards and are available in various -3 and -4 styles. These premium grade flexlines are durable and provide "hard line" pedal feel.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
10.00" Flexline, -3 female to -3 female	220-8763
10.00" Flexline, 10mm male to 10mm female	220-9095
10.50" Flexline, -3 hose to IF male, 90 degree	220-10711
12.00" Flexline, -4 hose to -4 female	220-11220
13.00" Flexline, -3 hose with 45 degree block	220-8514
14.00" Flexline, -3 female to -3 female	220-7090
14.00" Flexline, -3 female to -3 female, 90 degree	220-6411
15.00" Flexline, -3 hose with 30 degree block	220-8515
16.00" Flexline, -3 female to -3 female	220-7686
16.00" Flexline, -3 hose to -3 female, 90 degree	220-8523
16.50" Flexline, -3 hose to M10 x 1 female, IF	220-9800
17.00" Flexline, -3 female to 10mm male, DOT	220-8223
18.00" Flexline, -3 female to -3 female	220-2156
18.00" Flexline, -4 female to -4 female	220-2157
18.00" Flexline, -3 hose to -3 female, 90 degree	220-10848
18.75" Flexline, -3 female w/12 degree banjo, DOT	220-8215
19.00" Flexline, -3 female to 10mm male, DOT	220-8222
19.00" Flexline, 10mm male to 10mm female	220-9094
19.00" Flexline, 10mm to -3 w/bracket, right hand	220-9329
19.00" Flexline, 10mm to -3 w/bracket, left hand	220-9330
20.00" Flexline, -3 female w/12 degree banjo, DOT	220-8216
20.00" Flexline, -3 female to straight 10mm female	220-6861
20.00" Flexline, -3 hose to -3 female	220-8371
22.00" Flexline, -3 female to -3 female	220-6414
22.00" Flexline, -3 female to straight 10mm female	220-9684
22.00" Flexline, -3 hose to -3 female	220-11203
23.00" Flexline, 10mm to -3 w/bracket, right hand	220-9331
23.00" Flexline, 10mm to -3 w/bracket, left hand	220-9332
24.00" Flexline, -3 hose to 10mm	220-9364
24.00" Flexline, -4 hose to -4 female	220-9923
40.00" Flexline, -3 female to -3 female	220-8317



BRAKE LINE FITTINGS:

Wilwood's **Brake Line Fittings** are manufactured to high quality standards and are available in various sizes and configurations as outlined below.

ORDERING INFORMATION:

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
Fitting, 3/8-24 to -3 male (requires P/N 240-2705 washer) Uses: Girling / combination master cylinder outlet	220-3406	Fitting, Inlet, 45 degree elbow, -3 male to 1/8-27 NPT male Uses: Caliper inlet fitting	220-6412
Fitting, 3/8-24 I.D. tube adapter, 3/16 tube female to 3/8-24 (-3 male, long) Uses: Girling / combination master cylinder outlet	220-3407	Frame fitting, tubing 10 mm x 1.00 I.F. to -3 male	220-6413
Fitting, -3 male to 1/8-27 NPT male Uses: Caliper inlet fitting	220-6956	Frame fitting, tubing 10 mm x 1.00 bubble flare to -3 male	220-6890
Tube adapter, 3/16 female tube (3/8-24 I.F.) to 1/8-27 NPT (4 pk) Uses: Proportioning valve, residual valve, master cylinder, caliper inlet (rear)	220-0628	Fitting, Inlet, 90 degree elbow, -3 male to 1/8-27 NPT male Uses: Caliper inlet fitting	220-6415
Frame fitting, 3/16 tube (3/8-24 I.F.) to -3 male	220-6410	Fitting, -6 to 3/8 hose barb, swivel	220-7534
Frame fitting, 7/16 tube (7/16-24 I.F.) to -3 male	220-6457	Fitting, -6 male to 7/16-20 male	220-7537
		Crush washer, -4 (7/16) aluminum Uses: Compact remote master cylinder inlet	240-7538
		Retainer clip, chassis fitting adapter	300-6416

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



PROSPINDLE

WILWOOD PROSPINDLE:

Designed for increased strength, minimized weight, improved handling, and increased braking capacity on kit cars, street rods, drag cars and other custom / competition applications using Mustang II suspension geometry.

One-piece forged steel body is lightweight, yet nearly three times stronger than cast steel original equipment or aftermarket pressed pin replacement spindles.

ProSpindles use common Pinto and Mustang II wheel bearings, seals, ball joints, and tie rod ends.

A 1/2" taller upper spindle body improves the front suspension geometry with a higher front roll center and decreased body roll with no changes to the lower control arm, frame height, or steering linkages.

Wilwood ProSpindles are available in either stock ride height or 2" drop.

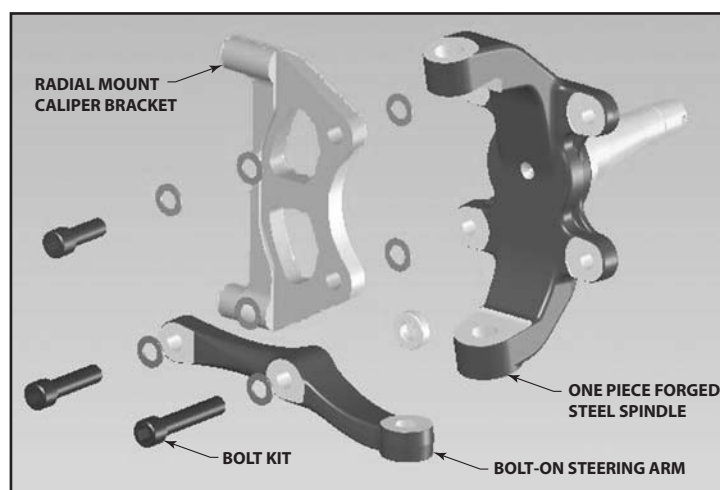
Integral mounting bosses forged into the main body of the spindle provide substantially increased anchoring security for lug or radial mount calipers on rotors up to 14".

High strength forged steel arms are strong and can be run front or rear steer, or inverted if necessary to improve steering characteristics such as bump steer with relocated or custom mounted steering linkages.

Custom and competition brake kits, built specific for the ProSpindle, are available ranging from 11" to 14" rotor diameters with choices for four or six piston calipers in all finishes and rotor styles.



Standard Height Spindle Shown Left, 2" Drop Spindle Shown Right with Detached Steering Arms (one per spindle)



Typical View of Radial Bracket Installation

ORDERING INFORMATION:

SPINDLE NO.	DESCRIPTION ⁽¹⁾
830-9807	2" Drop Spindle
830-10832	Stock Height Spindle

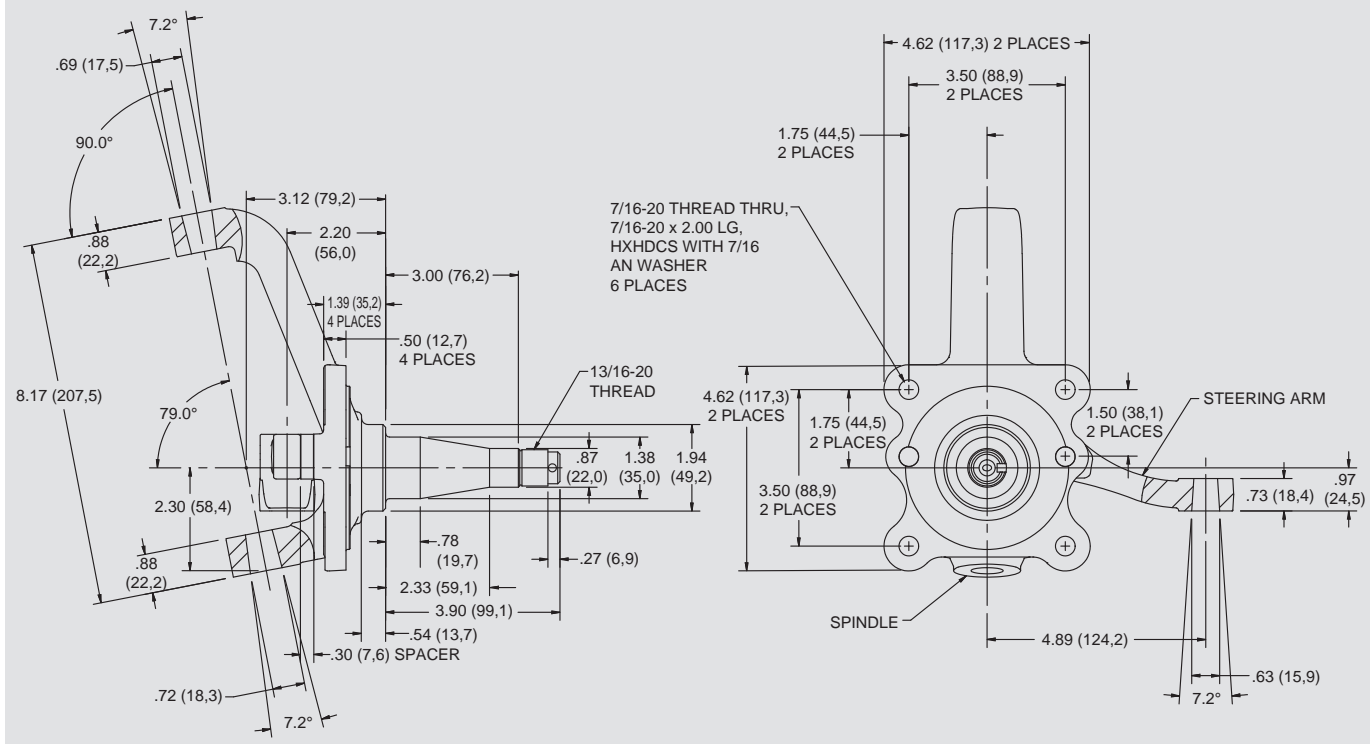
ORDERING INFORMATION: DISC BRAKE KITS FOR PROSPINDLES

KIT PART NO.	CALIPER TYPE	CALIPER COLORS	ROTOR SIZE	ROTOR STYLE
140-9917	Forged Dynalite	Black / Red / Polished	11.00" x .810"	SRP-BLK or HP
140-9918	Forged Dynalite	Black / Red / Polished	12.19" x .810"	SRP-BLK or HP
140-9919	BNSL6R	Black / Red / Polished	12.88" x 1.10"	SRP-BLK or GT
140-9920	BNSL6R	Black / Red / Polished	14.00" x 1.10"	SRP-BLK or GT
140-10641	W6AR	Black / Red	14.00" x 1.10"	SRP-BLK or GT
140-10741	DynaPro 6	Black / Red / Polished	12.19" x .810"	SRP-BLK or HP

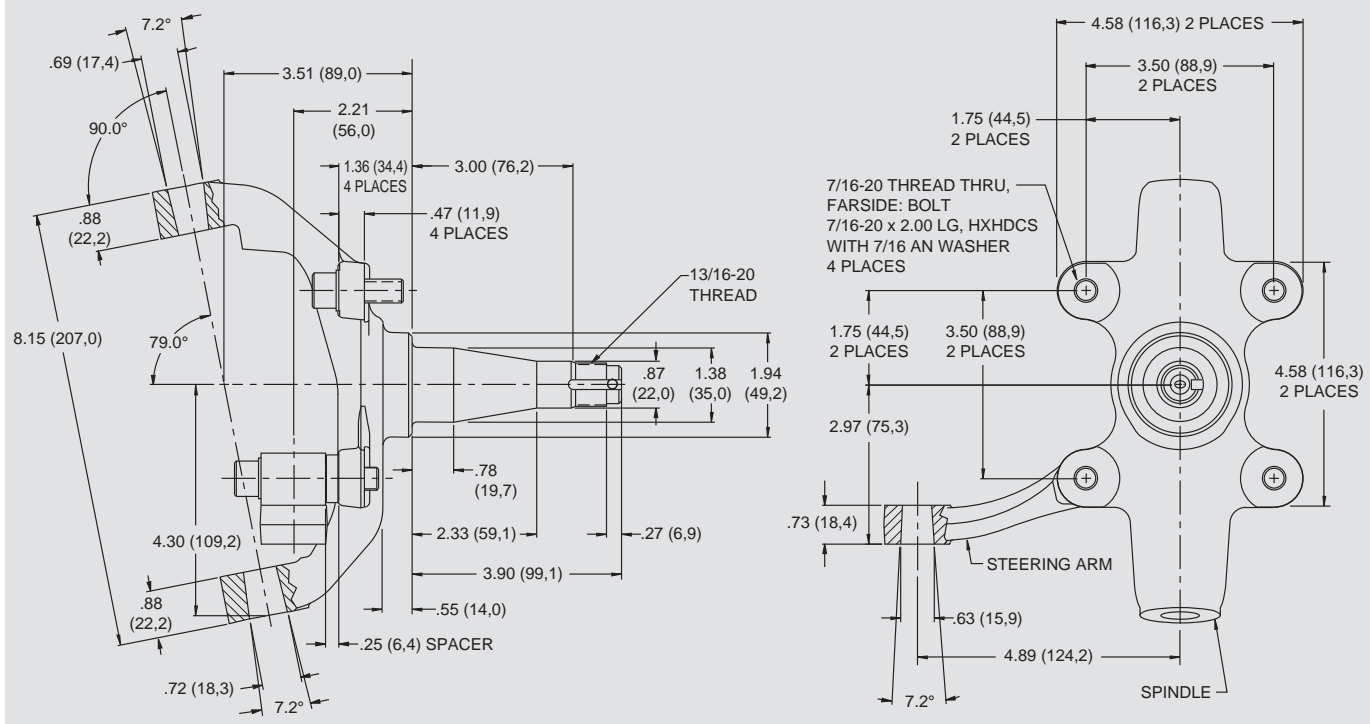
NOTE: (1) SPINDLE ASSEMBLY INCLUDES SPINDLE AND STEERING ARM

WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

WILWOOD STANDARD HEIGHT PROSPINDLE ASSEMBLY, MOUNTING DIMENSIONS:



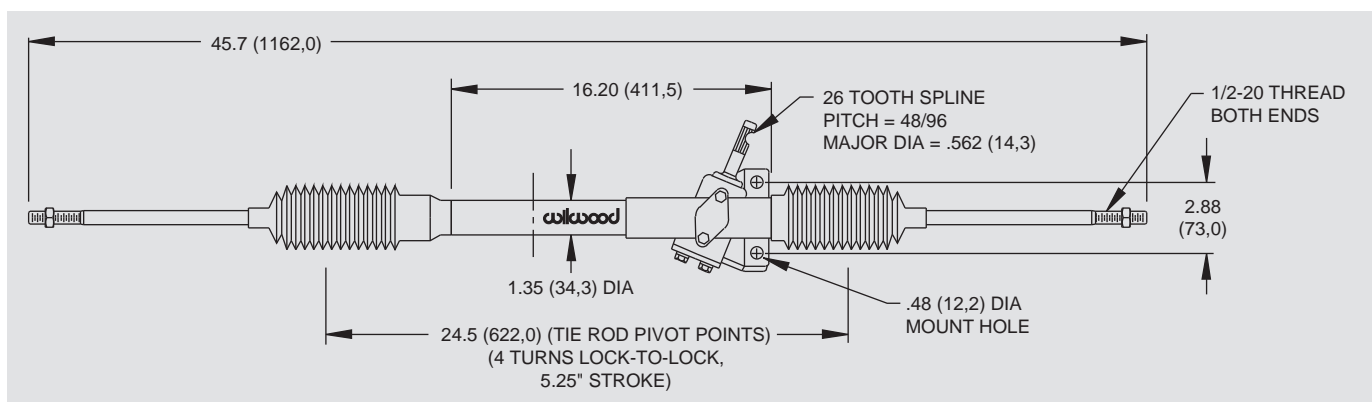
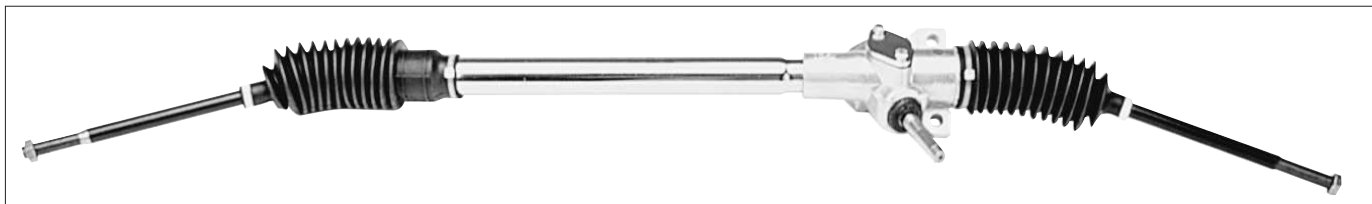
WILWOOD 2" DROP PROSPINDLE ASSEMBLY, MOUNTING DIMENSIONS:





WILWOOD'S "PINTO" RACK AND PINION:

Wilwood has available a reproduction of the front steer 1971 - 1972 Pinto Rack and Pinion. This rack is an all new unit that weighs only 9.5 pounds, and is dimensionally identical to the original Pinto Rack. Stock mounting locations and input shaft with the upgrade of over sized rod ends for added strength and reliability make this the popular choice for racing applications. Add a chromed center tube and polished housing as a standard feature, and there is no reason to choose a used or rebuilt unit.



ORDERING INFORMATION:

DESCRIPTION	PART NO.
Stock Ratio Rack and Pinion	350-2038
Replacement Boot Kit (pair)	350-8821

QUICK RELEASE STEERING HUB:

Wilwood's lightweight billet aluminum Quick Release Steering Hub is a reliable and important safety feature for any race car. The spring loaded button is non-removable and easy to use. The steel steering shaft adapter fits into a precision machined hex bore for a close tolerance fit. It is available to fit either a 5/8" or 3/4" shaft and accepts a standard three bolt steering wheel pattern. Specify either machined or satin black anodized finish.

ORDERING INFORMATION:

DESCRIPTION	PART NO.
3/4" shaft, black anodized	270-2016
5/8" shaft, black anodized	270-2017
Replacement 3/4" steel shaft	300-2019
Replacement 5/8" steel shaft	300-2020



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application

WILWOOD BOLT-ON DISC BRAKE KITS



www.wilwood.com

Overview:

Wilwood components comprise the elements of the broadest coverage line of bolt-on disc brake kits available. Bolt-on brake kits consist of specially engineered and matched groups of components designed to provide superior brake system performance and custom appeal over a wide range of applications. Most kits are easily installed with the common hand tools used to perform routine brake service. A few kits do require some modifications to the spindle or axle to complete the installation. Wilwood kits can be as simple as a pad and rotor upgrade, or as extensive as complete systems featuring all new calipers, rotors, hubs, mounting hats, brake pads, and the associated hardware necessary to install these components on specific front spindle or rear axle applications. Either way, Wilwood kits are the simplest way to provide superior brake system performance in show winning style.

The following pages provide a current listing of the spindle and axle types covered and the variety of kit styles available for each. Part numbers, detailed specifications, and listings for service components can be found in Wilwood's Bolt-on Disc Brake Kit catalog, available to download at www.wilwood.com.



SL6 Big Brake Front Hat Kit with GT Rotor

FORGED DYNALITE PRO SERIES FRONT KITS:

FDL Pro-Series Front Hub Kits offer complete disc brake upgrade solutions for traditional non-ABS spindle applications on American muscle cars, vintage rods, and heavy weight drag cars. Based on the venerable forged billet Dynalite caliper, these versatile kits are easily customized to suit the braking requirements and style preferences for a daily driver, serious competition, or the most discriminating show enthusiast. Most kits require no modifications for installation, and provide plenty of clearance inside popular 15" wheels. FDL Pro-Series kits can be used with either manual or power boost master cylinders.



FORGED DYNALITE BIG BRAKE FRONT HAT KITS:

Forged Billet Dynalite Calipers, oversized rotors, and high performance Wilwood brake pads deliver big brake stopping power with high-tech style for front wheel drive sport compacts. These kits are the perfect compliment to wheel, tire, and suspension upgrades. Options for caliper finish and rotor design make it simple to match the brake response and style preferences on all types of daily drivers, race vehicles, and ultra-styled show machines. Each kit is engineered specific for each vehicle. They are fully compatible with OE master cylinder output while retaining the full factory ABS functions.



FORGED DYNALITE BIG BRAKE FRONT HUB KITS:

FDL Big Brake Front Hub Kits provide the added advantage of larger diameter brake rotors for traditional non-ABS spindles on American muscle cars and vintage rods. Forged Billet Dynalite Calipers, 12.19" diameter rotors, and high performance Wilwood brake pads generate big brake stopping power to compliment wheel, tire, and suspension upgrades on all types of custom show and performance street / strip machines. A full range of options for caliper finish and rotor design provide custom builders with the ability to personalize the style and performance requirements of the mildest to the wildest machines.

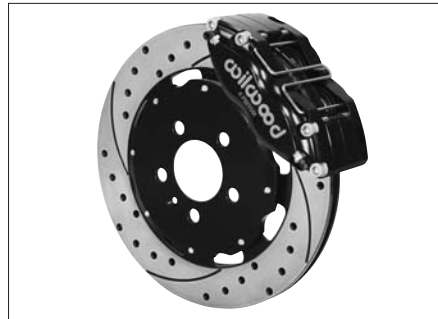




WILWOOD BOLT-ON DISC BRAKE KITS

DYNAPRO RADIAL BIG BRAKE FRONT KITS:

Radial Mounting provides secure and accurate installation of the forged billet DynaPro four piston caliper with oversized rotors for this group of front and all wheel drive sport compacts. These kits are the perfect compliment to wheel, tire, and suspension upgrades on daily drivers, competition vehicles, and custom styled show machines. Each kit is engineered specific for each vehicle to maintain full compatibility with the OE master cylinder output and factory ABS functions. Optional caliper finishes and rotor designs provide choices to personalize the style and optimize the performance from the rotors and pads.



DYNAPRO 6 BIG BRAKE FRONT HAT KITS:

The Enhanced brake capacity and pad performance of the DynaPro 6 forged billet six-piston caliper is combined with 12.19" diameter rotors for this group of front wheel drive sport compact kits. These kits are the perfect compliment to wheel, tire, and suspension upgrades on daily drivers, competition vehicles, and custom styled show machines. Each kit is engineered vehicle specific to maintain full compatibility with the OE master cylinder output and factory ABS functions. Optional caliper finishes and rotor designs enable the builder to personalize the style and optimize brake performance for every individual application.



DYNAPRO 6 BIG BRAKE FRONT HUB KITS:

DynaPro 6 forged billet calipers are combined with 12.19" diameter rotors for this group of traditional non-ABS spindles on American muscle cars and vintage rods. The enhanced brake capacity and pad performance of the six piston calipers provide an intermediate level alternative to the bigger six piston kits. These kits compliment wheel, tire, and suspension upgrades on all types of custom show and high performance street / strip machines. A full range of caliper finishes and rotor designs enable the builder to personalize the style and optimize the brake performance for each individual application.



FORGED SUPERLITE 4 BIG BRAKE FRONT KITS:

The big pad capacity of the forged Superlite four piston caliper is combined with oversized rotors for this unique group of specialized application kits. The roots of the forged Superlite are deep in competition. It is a track proven performer. But the FSL is far from one dimensional. Lug mounting and a full range of piston sizes give the FSL widespread adaptability for applications with unique mounting and piston volume requirements. Options for caliper finish and rotor design provide the opportunity to configure these kits for high-tech style with full capability for extreme duty use on the street or at the track.



WARNING: The user or installer of any product from this catalog must determine its suitability for their intended purpose or application



SUPERLITE 6 BIG BRAKE FRONT HAT KITS

The unsurpassed braking capacity of the SL6 forged billet six-piston caliper serves as the base of this group of 13"-14" big rotor kits for these popular late model vehicles. SL6 kits are engineered application specific for simplified installation and full compatibility with OE master cylinder output and ABS functions where used. Big brake kits provide increased brake capacity and complimentary style with wheel, tire, and suspension upgrades on show cars and high performance street/track machines. Optional caliper finishes and rotor designs simplify personalizing the style and braking requirements of any application.



SUPERLITE 6 BIG BRAKE FRONT HUB KITS:

SL6 forged billet six-piston calipers with 13"-14" rotors deliver the ultimate combination for braking power and style in this group of kits engineered for traditional non-ABS spindles on American muscle cars and vintage rods. Built exclusively for 17" and larger wheels, SL6 kits enhance tire and suspension upgrades on all types of custom show and high performance dual-purpose street and track machines. A full range of options for caliper finishes and rotor designs are guaranteed to catch the eye of the most discriminating enthusiast while providing optimized brake performance for every individual application.



W6AR BIG BRAKE FRONT KITS:

W6AR calipers were designed for the specific purpose of providing big capacity braking with large diameter rotors for heavy weight and extreme duty vehicles. For cars, it's the biggest of the big providing big brake performance for show and dual purpose street and track vehicles. For trucks and SUV's, it provides big stopping power for towing, off-road, and enhanced braking with wheel and tire upgrades. Kits listed for specific vehicles are fully compatible with OE master cylinder output and ABS function. Direction staggered vane 14.00 - 14.25" rotors provide maximum cooling for sustained high heat durability.



TC 6R BIG BRAKE FRONT KITS:

TC6R calipers are purpose built to provide unsurpassed braking capacity on trucks and SUV's using 20" and larger wheels and tires. Combining the high clamping efficiency of the TC6R caliper with 16" diameter directional vane rotors and high friction BP-10 compound brake pads, TC6R kits provide the braking power necessary to control the higher rotating weight of ultra-sized wheels and tires, especially with high GVW vehicles and vehicles used for towing. TC6R kits are engineer application to be fully compatible with the OE master cylinder output and retain full function of the ABS system.



FORGED DYNALITE PRO SERIES REAR KITS:

FDL Pro-Series rear disc brake kits provide a complete solution for popular muscle car rear axles on applications where individual wheel parking brake assemblies are not required. Forged billet Dynalite four piston calipers, two-piece hat and rotor assemblies, and high friction pads provide optimized and balanced braking for all types of off-road, competition, and other customized applications. FDL calipers can be optioned with a full range of finishes to reflect personalized style. Rotor choices provide options for high-tech show winning style, or heavy weight durability and cooling capacity for high heat competition.





WILWOOD BOLT-ON DISC BRAKE KITS

FORGED DYNALITE REAR PARKING BRAKE KITS:

This group of FDL Pro-Series rear disc kits provides a complete solution for popular muscle car rear axles that require a parking brake. Forged billet Dynalite four piston calipers, 12.19" one-piece drum/rotors, and high friction pads provide optimized and balanced braking for all types of custom performance street/strip and show machines. The neatly hidden internal shoe system provides a clean installation with superior static holding power for parking. Optional caliper finishes and rotor designs enable the builder to personalize the style and optimize brake performance for every individual application.



COMBINATION PARKING BRAKE (CPB) REAR KITS:

Combination hydro-mechanical Parking Brake calipers use hydraulic pressure from the master cylinder for stopping power, and an internal mechanical lock within the caliper for a parking brake. CPB kits are built primarily for front wheel drive vehicles, and select rear wheel drive axles that are not well suited for internal shoe style parking brakes. The calipers are coupled with oversized two-piece rotor assemblies with aluminum hats and high friction BP-10 compound pads. CPB kits provide the correct balanced brake performance and matching style to compliment front big brake upgrade kits.



SUPERLITE 4 BIG BRAKE REAR PARKING BRAKE KITS:

Billet SL4R rear disc kits provide the ultimate Big Brake solution for popular muscle car rear axles that require a parking brake. Billet SL4R four piston calipers, 13" or 14" two-piece rotors, and high performance BP-10 compound pads provide optimized and balanced braking to compliment front big brake upgrades on all types of custom, show and high performance street machines. The neatly hidden internal shoe system provides a clean installation with superior static holding power for parking. Optional caliper finishes and rotor designs allow builders to personalize the style and performance for every application.



DYNAPRO REAR KIT FOR OE PARKING BRAKE:

Forged Billet DynaPro four piston calipers and high performance BP-10 compound pads generate high clamping power with firm pedal response for this group of specialized rear axle brake kits. These kits retain full function of the OE parking brake and provide complimentary performance and style with front big brake upgrades. Caliper piston sizes are selected to provide balanced rear bias ratios using the output from the OE master cylinder. Rear rotor and hat combinations are engineered specific to each vehicle to provide brake performance upgrades and precise fit with the mounting of the DynaPro calipers.



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SUPERLITE 4 REAR KIT FOR OE PARKING BRAKE:

Billet Superlite 4R four piston calipers are combined with BP-10 compound pads and 13"-14" rotors in this group of big brake kits for custom high performance street and show machines. This group of specialized kits for cars, trucks, and SUV's retain full use of the OE parking brake, master cylinder output, and ABS where used. SL4R rear kits provide complimentary style and performance with 13" and larger front brake upgrades in conjunction with wheel, tire, and suspension upgrades. Optional caliper finishes and rotor designs enable the builder to match style and performance on all applications.



W4AR BIG BRAKE REAR KITS:

W4AR Big Brake rear axle kits replace the factory disc brakes and use the OE parking brake assembly as a compliment to front big brake upgrades on late model trucks and SUV's. High capacity braking from the W4AR calipers, BP-10 compound pads, and oversized rotors are matched to the OE master cylinder output, ABS function, and individual vehicle bias requirements. Enhanced brake performance, increased durability, and high-tech style compliment big wheel, tire, and suspension upgrades on customized vehicles, tow rigs, and all others with increased brake requirements from high GVW.



TC 6R BIG BRAKE REAR KITS:

TC 6R rear axle disc brake kits with 16" rotors are the ultimate big brake solution for highly customized and modified trucks or SUV's with 20" and larger wheels. TC6R kits replace the factory disc brakes and use the OE parking brake assembly as a compliment to front big brake upgrades. TC 6R calipers, BP-10 compound pads, and oversized rotors are matched to the OE master cylinder output, ABS function, and individual vehicle bias requirements of each vehicle. These combined enhancements provide the necessary control over big wheels and tires to provide safe stopping on heavy weight vehicles.



PROMATRIX FRONT AND REAR KITS:

ProMatrix pad, rotor, and flexline upgrade kits offer measurable brake performance improvements to racers and enthusiasts using the OE factory brake calipers. High performance pad compounds are specially selected to provide increased brake response and higher resistance against fade. Depending on the specific vehicle and parking brake design, one or two-piece rotors are used to provide high temperature durability for the track or high-tech style with corrosion resistance for the street. Stainless steel braided Teflon core flexlines add style, durability, and firmer response with reduced deflection under load.



D8-4 FRONT AND REAR CALIPER KITS:

The D8-4 front or rear caliper kit features forged billet aluminum bodies, stainless steel pistons, and competition style high-temperature seals to put an end to the rust, bore pitting, and seal failure that plague the OE caliper design. D8-4 calipers mount in the stock location over stock rotors, and use the original style OE D8 brake pads included in the kit. The factory piston sizes were duplicated to maintain the original front to rear brake bias and use of the OE master cylinder. Only the flex lines included in the kit that connect the caliper with the hard line fittings on the chassis need to be replaced to install the D8-4 on any car.





WILWOOD BOLT-ON DISC BRAKE KITS

DYNALITE SINGLE FLOATER FRONT KITS:

The Dynalite Single Floater front drag kit is purpose built for use on lightweight cars using spindle mount brakes on P&S / Anglia style spindles. The DLSF calipers and lightweight steel rotors combine to provide excellent static holding power for use as a staging brake or as a supplementary brake on vehicles using parachutes and rear brakes to provide the majority of the stopping power. Aluminum hats are provided to mount the rotors directly to the spindle mount wheels. A choice of solid or lightweight drilled rotors is offered to provide the lowest possible weight to the front axle. Mount brackets are included.



DYNAPRO SINGLE FRONT DRAG KITS:

DPS Front Drag kits incorporate the newest DynaPro caliper technology in this traditional style front brake kit. DPS kits are built for the common front spindles and aftermarket struts used on four-wheel disc brake drag cars that weigh in under 2,400 pounds. The billet DPS caliper is a fixed mount, two-piston design that mounts directly to the spindle with a bolt-on bracket. Forged billet, five lug hubs with direct mount lightweight steel rotors combine to provide consistent braking with an average weight savings of 35 pounds over stock drum or disc brakes. Kits include all new hardware, wheel bearings, and seals.



FORGED DYNALITE FRONT DRAG KITS:

FDL Front Drag kits are drag racing's most popular front brake kits. FDL kits are available for the popular muscle car spindles and select aftermarket front struts used on four-wheel disc cars weighing up to 2,800 pounds, or rear drum brake equipped cars weighing up to 2,400 pounds. Forged billet FDL four piston calipers mount directly to the spindle with a bolt-on bracket. Forged billet, five lug hubs with direct mount steel rotors combine to provide an average weight savings of over 30 pounds compared to stock drum or disc brakes. Kits include all new hardware, wheel bearings, seals and extra length lug studs.



DYNAPRO RADIAL FRONT DRAG KITS:

DPR forged billet, radial mount four piston calipers are used in this select group of drag racing kits. The OE brakes on vehicles originally equipped with 16" or larger wheels generally do not fit inside the popular 15" drag wheels. Specially designed radial caliper mount brackets bolt directly to the OE caliper mount, and provide secure and accurate mounting for the DPR caliper. Kits with 3/8" solid steel rotors are recommended for four-wheel disc brake cars up to 2,800 pounds. Kits with .81" HP32 vented iron rotors should be used on cars over 2,800 pound cars, or lighter cars running extreme speeds desiring increased rotor durability.



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FORGED DYNALITE REAR DRAG KITS:

FDL Rear Drag kits are true bolt-on kits available for all popular muscle car rear axles and aftermarket rears built with custom axle ends. Kits in this group are purpose built for sportsman category door cars and others with full functional four-wheel disc brakes. Based on the specific style of housing end and axle offset, mounting kits securely install the four-piston forged Dynalite caliper over 3/8" plate steel rotors that are mounted to the axle with an aluminum hat. Standard kits include solid face rotors, with optional drilled rotor kits available to further reduce driveline weight in classes where every weight advantage is necessary.



FORGED DYNALITE DYNAMIC REAR DRAG KITS:

Dynamic rotor mounting is especially beneficial to cars that rely heavily on the rear brakes for stopping, and any other high speed, heavy weight cars that generate above average rear brake heat. Dynamic mounting uses floating t-nuts to isolate the different thermal expansion rates between the steel rotor plate and the aluminum rotor hat. This reduces any tendency for the rotor to distort and impose any additional stress on the hat. Performance, durability, and the service life of the components are all extended. Additionally, distortion free parts run with lower rolling resistance to produce higher speeds.



FORGED DYNALITE DUAL DYNAMIC REAR KITS:

Dual caliper kits provide the highest degree of safety, reliability, and unsurpassed stopping power for sportsman category dragsters and other cars that rely on rear brakes only for stopping power. With two calipers at each wheel, the fluid circuits for each caliper pair can be fully isolated with dual mount or tandem outlet master cylinders. Isolating the fluid circuits prevents complete system failures in the case of a problem with any single caliper or line. Dynamic rotor mounting eliminates distortion caused by the different thermal expansion rates between the steel rotor plate and the aluminum hat.



SUPERLITE 4 BIG BRAKE FRONT KITS (RACE):

Kits in this competition group are configured for use in production category road racing that allow brake upgrades, but limit modifications to four-piston calipers and 12.19" rotors. BSL4R/ST calipers use Thermlock pistons to resist fade and extend service life by reducing the heat transfer into the caliper from the pads. GT series directional vane rotors provide high cooling efficiency and durability mounted to the hubs with forged aluminum GT hats. Kits also include high temperature race compound pads, stainless steel flexlines, and premium grade hardware for installation in 16" and larger wheels.





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• DISC BRAKE KITS •

WILWOOD BOLT-ON DISC BRAKE KITS

SUPERLITE 6 BIG BRAKE FRONT KITS (RACE):

Kits in this competition group are configured for use in unrestricted class road racing with 17" or larger wheels. BSL6R/ST six-piston calipers with Thermlock pistons are matched with 12.88" directional vane GT competition rotors. These proven winners have delivered championship performance in road racings' most grueling production car categories. Rotors mount to the hubs with forged aluminum hats and radial mount brackets secure the calipers to the OE location without modification. Kits also include high friction race compound pads, premium grade hardware, and stainless steel braided flexlines.



W6AR BIG BRAKE FRONT KITS (RACE):

W6AR/ST six piston radial mount calipers are coupled with the high cooling capacity of 14.25" SV-GT staggered directional vane rotors to provide the ultimate brake package for unrestricted road race competition. Thermlock pistons in the calipers resist fade and extend service life by reducing the heat transfer from the pads, caliper body, fluid, and seals. Rotors mount to the hubs with forged aluminum hats and radial mount brackets secure the caliper to the spindle in the OE location without modification. Kits also include high temperature, high friction race compound pads and all premium grade fasteners.



SUPERLITE 4R BIG BRAKE REAR KITS (RACE):

BSL4R caliper rear road race kits provide matched performance in conjunction with SL6R and W6AR front race kits on vehicles built specifically for competition. BSL4R calipers use stainless steel pistons to retard heat transfer from the pads and high temperature seals for reliability in sustained high heat. Radial mount brackets attach the caliper in the stock location. GT series directional vane competition rotors provide high efficiency cooling and mount to the drive axles with forged aluminum hats. Kits also include high temperature, high friction race compound pads and all premium grade fasteners.



PROSPINDLE KITS:

Our ProSpindle is specifically designed for use in fabricated A-arm suspensions on kit cars, street rods, drag cars and other custom or race applications configured around Pinto/Mustang II suspension geometry. The standard height version is used for applications where you wish to maintain the stock ride height. The 2" drop version is utilized when you want to effectively lower the ride height without disturbing the suspension geometry. Complete brake kits and components including forged billet hubs, bearings, seals, locknuts, calipers, brake pads, caliper brackets, and hats or rotor plates to attach optional rotor styles from 11.00" to 14.00" are available to configure custom brake packages and complete the installation.



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TROUBLE SHOOTING

This table lists some of the most common items than can signal problems with your brake system. Please consult this table before calling Wilwood. However, if your problem is not found here, or the solution given does not solve the problem, please do not hesitate to contact your Wilwood technical advisor for assistance.

SYMPTOM	CAUSE	SOLUTION
LOSE YOUR PEDAL DURING RACE	Fluid boiling due to wet fluid or foot drag.	Flush out entire system with fresh Wilwood Hi-Temp° 570 racing brake fluid. Install dashboard brake light reminder.
	Undersize brake system.	Refer to the caliper portion of the catalog to select the correct caliper/rotor combination for your application.
	Wrong size residual pressure valve.	Use no larger than 2 lb residual pressure valve.
	Incorrect or faulty master cylinder.	Repair or replace master cylinder.
	Leak in caliper or hydraulic lines.	Check for leaks in caliper and (replace) lines.
	Inadequate ducting.	Reposition air ducts to center of rotor and caliper. (refer to Wilwood air duct technical sheet)
	Pedal linkage failure.	Check pedal assembly.
	Excessive spindle deflection in corners.	Check spindles for warpage. Install 2 lb residual pressure valve.
BRAKE DRAG	Bad master cylinder.	Switch or replace master cylinder.
	Incorrect residual pressure valve.	Use no larger than 2 lb residual pressure valve.
	Rotors warped.	Replace rotors.
	Calipers not square to rotor.	Re-align brackets or shim calipers.
	Tapered brake pads.	Replace pads, check caliper alignment to rotor.
	M/C has internal residual pressure.	Remove residual pressure valve.
CAR WILL NOT STOP	Glazed pads and/or rotors.	Grind and/or sand glaze from rotors.
HAVE TO PUSH HARD ON PEDAL	Too large of a master cylinder.	See master cylinder section of catalog to select the correct size unit for your application.
	Not enough pedal ratio.	Increase pedal ratio, see pedal section of catalog.



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• TROUBLE SHOOTING •



TROUBLE SHOOTING

TROUBLE SHOOTING:

SYMPTOM	CAUSE	SOLUTION
HAVE TO PUSH HARD ON PEDAL	Pedal mounted at bad angle.	Master cylinder push rod should not be off more than 5° in any angle
	Wrong pad material for your applications.	Pads must match rotor operating temperature range. See pad section of catalog.
	Frozen pistons in calipers.	Rebuild calipers.
CALIPER LEAKS	Caliper seal old or dried out.	Replace with new seals.
	Nick or ding on piston or cut seal.	Replace pistons and/or seals as necessary.
SPONGY PEDAL OR BOTTOMS OUT	Air in brake system.	Re-bleed the system.
	Calipers not bled with bleed screws straight up.	Unbolt calipers and hold with bleed screws in the vertical position.
	Wrong size master cylinder (too small).	Refer to master cylinder section of catalog to select the correct size for your application.
	Faulty master cylinder.	Replace master cylinder.
	Calipers not mounted square to the rotor.	Re-align brackets parallel to rotor or shim caliper.
	Calipers mounted equal to, or higher than master cylinder.	Install 2 pound in-line residual pressure valve.
	Calipers flex excessively.	Check pressure. Do not exceed 1,500 P.S.I.
	Pedal ratio too great.	Reduce pedal ratio.
	Excessive spindle deflection in corners causing piston knock-back.	Install 2 pound in-line residual pressure valve. Check spindles for warpage.
OSCILLATION FEED BACK IN PEDAL	Excessive rotor run out.	Shim between rotor and hub/hat.
	Pad material buildup on rotors.	Change pads, clean rotor face.
	Calipers loose.	Tighten caliper mounting bolts.
	Rotor faces not parallel.	Re-grind rotor faces or replace rotors.
	Cracked rotors.	Replace rotors.
	Excessive front bearing clearance.	Check for proper bearing size or tighten the spindle nut.

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TECHNICAL TIPS



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BRAKE FLUID:

Due to the extreme operating temperatures of a high performance brake system, standard “off-the-shelf” brake fluids are not recommended. Of critical importance in determining a fluid’s ability to handle high temperature applications are its Dry Boiling Point and Compressibility.

The Dry Boiling Point is the temperature at which a brake fluid will boil in its virgin non-contaminated state. The highest temperature Dry Boiling Point available in a DOT 3 fluid is 572° F.

The Wet Boiling Point is the temperature a brake fluid will boil after it has been fully saturated with moisture. The DOT 3 requirement for wet boiling point is a minimum temperature of 284° F.

There are many ways for moisture to enter your brake system. Condensation from regular use, washing the vehicle and humidity are the most common, with little hope of prevention. Glycol based DOT 3 & 4 fluids are hygroscopic; they absorb brake system moisture, and over time the boiling point is gradually reduced.

Wilwood does not recommend using DOT 5 fluid in any racing applications. DOT 5 fluid is not hygroscopic, so as moisture enters the system, it is not absorbed by the fluid and results in beads of moisture moving through the brake line, collecting in the calipers. It is not uncommon to have caliper temperatures exceed 200° F, and at 212° F, this collected moisture will boil causing vapor lock and system failure. Additionally, DOT 5 fluid is highly compressible due to aeration and foaming under normal braking conditions, providing a spongy brake feel. DOT 5 fluid is best suited for show car applications where its anti-corrosion and paint friendly characteristics are important.

Whenever you add fresh fluid to your existing system (never mix fluids of different DOT classifications), it immediately becomes contaminated, lowering the boiling point of the new fluid. For maximum performance, start with the highest Dry Boiling Point available (try Wilwood’s Hi-Temp° 570 Racing Brake Fluid), flush the system completely and flush it regularly, especially after severe temperatures have been experienced.

BRAKE SYSTEM COOLING:

Proper air ducting is critical for effective performance of short track stock car disc brake systems. Faster cars, improved tires and better aerodynamics has changed the design requirements for brake ducting. Short tracks and most road courses require specific air duct considerations to maximize the brake systems effectiveness.

Channeling sufficient air from the front of the car through the front brakes is required to remove the large amounts of heat generated by severe and prolonged brake use. An efficient air ducting system can prevent brake system overheating and greatly improve pad life. As car designs have evolved, the aerodynamics of the car’s front end has changed, thereby affecting the air flow entering the front air scoops (plenum). Because of this change in air flow, the positioning of intake plenums should be re-evaluated.

By repositioning the plenum intakes vertically as close as possible to the center of the vehicle, air flow is increased. Vertically placed intakes reduce the unwanted effect of air skimming past the duct openings. Locating the intake ducts closer to the center of the vehicle positions them in a high pressure area resulting in greater intake air flow. For more information on brake cooling, order Wilwood’s AIR DUCTING for Short Track Stock Car Racing, DS-254.

CALIPER BLEED SCREWS POINTING UP:

When bleeding the brakes, make sure the bleed screws on the calipers are pointing straight up so there is no possibility of air bubbles getting trapped. If the calipers are mounted on an angle, you will need to unbolt one ear from the bracket. Pivot the caliper so it points straight up and place a spacer between the pads to prevent the pistons from coming out of the housing.

CALIPER MOUNTING:

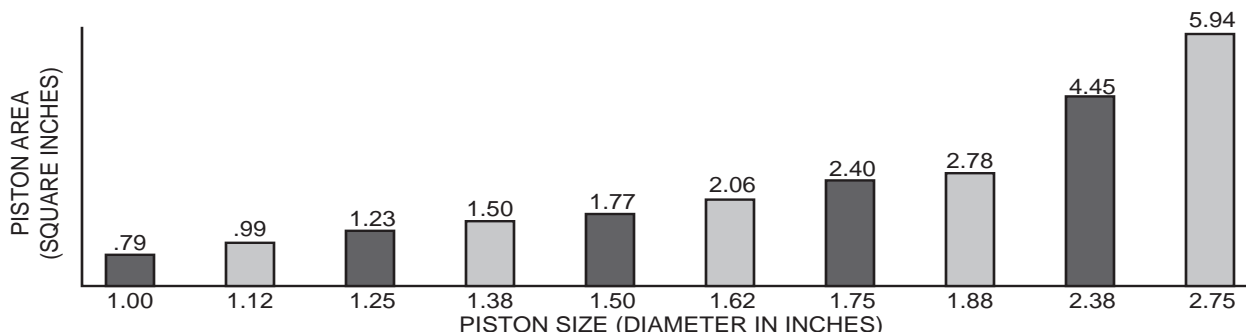
Brake calipers should be mounted square with rotor to prevent excessive piston knock-back and uneven pad wear. While looking at brake area, have someone apply brakes. Caliper should not move (square itself to rotor): only the pistons and pad should move. If caliper is not parallel with rotor, shims should be used between mounting bracket and caliper ears for proper alignment. Caliper brackets should be strong enough not to deflect under heavy braking. All caliper mounting bolts should be of the highest quality and lockwired for safety.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



CALIPER PISTON AREA:

A caliper's piston area is calculated by finding the total piston area from one side of the caliper (this is true for a single piston caliper also). The graph provides the piston area for individual piston diameters. Note that differential piston bore calipers will be the total piston area of the different size pistons.



Example: For the six piston GN III caliper (1.38, 1.38, 1.75" pistons), the effective piston area would be:
 $1.50" + 1.50" + 2.40" = 5.40$ square inches.

CALIPER REBUILDING:

If you race on a weekly basis throughout the year, you should disassemble your calipers mid-season and inspect the caliper seals for excessive wear or hardness caused by heat. Asphalt racers generally experience more heat and should do inspections more frequently, especially after racing on a track where high temperatures are reached. Race teams usually replace caliper seals after each race to ensure proper disc brake performance. Disassembly and replacement of the seals is a simple process and can prevent catastrophic brake failure.

CALIPER SELECTION AND MOUNTING:

Most Wilwood extreme performance calipers are one directional because of the **differential piston bore design** (one end of the caliper having larger pistons than the other); the caliper must be mounted in a specific position relative to the rotor rotation. All Wilwood differential bore calipers are marked with a rotor rotation arrow on them. The caliper should be mounted so that the smaller piston end is closest to the rotor entrance and the larger piston end toward the rotor exit. The larger piston end provides slightly greater clamping force to compensate for pad taper that can occur under extended severe use applications. An improperly mounted caliper (reverse rotation) will cause increased pad taper and reduce overall braking efficiency.

Note that differential piston bore calipers cannot be used interchangeably from side to side - there is a left hand caliper and a right hand caliper. Also, calipers differ depending on whether the mounting is behind or in front of the spindle - this affects bleed screw position. Make sure to properly analyze these criteria when ordering and mounting or replacing differential bore calipers.

PAD SELECTION:

Proper selection of a brake pad compound is critical to disc brake system performance. Each material has specific torque and wear characteristics relative to its operating temperature. Track conditions and driving style can also influence pad requirements. For best performance, final selection of pad material often requires evaluation at the track over a range of actual race conditions. Please reference the Wilwood Brake Pad Catalog, or pages 64-73 in this Technical Catalog for descriptions of the various compounds available.

PAD WEAR:

As long as your pads are wearing evenly across the pad surface, the pads can be used almost down to the backing plate. Spacer plates may be added behind the pad backing plate as it wears so the caliper pistons will not have to be exposed to the abusive track dirt and grit. A regular check of the brake pads for excessive wear and taper is necessary to ensure proper disc brake performance.

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WARNINGS:

WARNING

It is the responsibility of the person selecting or installing any brake component or kit to determine the suitability of the component or kit for that particular application. If you are not sure how to safely use this brake component or kit, you should not install or use it. Do not assume anything. Improperly installed or maintained brakes are dangerous. If you are not sure, get help or return the product. You may obtain additional information and technical support by calling Wilwood at (805) 388-1188, or visit our web site at www.wilwood.com. Use of Wilwood technical support does not guarantee proper installation. You, or the person who does the installation must know how to properly use this product. It is not possible over the phone to understand or foresee all the issues that might arise in your installation.

Racing equipment and brakes must be maintained and should be checked regularly for fatigue, damage, and wear.

WARNING - TEST YOUR BRAKES

DO NOT DRIVE ON UNTESTED BRAKES • BRAKES MUST BE TESTED AFTER INSTALLATION OR MAINTENANCE MINIMUM TEST PROCEDURE

- Make sure pedal is firm: Hold firm pressure on pedal for several minutes, it should remain in position without sinking. If pedal sinks toward floor, check system for fluid leaks. DO NOT drive vehicle if pedal does not stay firm or can be pushed to the floor with normal pressure.
- At very low speed (2-5 mph) apply brakes hard several times while turning steering from full left to full right, repeat several times. Remove the wheels and check that components are not touching, rubbing, or leaking.
- Carefully examine all brake components, brake lines, and fittings for leaks and interference.
- Make sure there is no interference with wheels or suspension components.
- Drive vehicle at low speed (15-20 mph) making moderate and hard stops. Brakes should feel normal and positive. Again check for leaks and interference.
- Always test vehicle in a safe place where there is no danger to (or from) other people or vehicles.
- Always wear seat belts and make use of all safety equipment.

DISCLAIMER OF WARRANTY:

Purchasers recognize and understand that racing parts and equipment, such as disc brakes, hubs, etc. and all parts, inventory and services manufactured and/or sold by Wilwood Engineering, Inc. are exposed to many and varied conditions due to the manner in which they are installed and used. Purchasers and Wilwood Engineering, Inc. consciously desire to make their own bargain, irrespective of any court decision and purchasers agree upon good faith and in consideration for being allowed to purchase from Wilwood Engineering, Inc. said parts or services. Purchasers expressly acknowledge and understand that Wilwood Engineering, Inc. does not make any affirmation of fact or promise to purchaser, which relates to said parts, inventory, or services that becomes part of the basis of the bargain between Wilwood Engineering, Inc. and purchasers. Nor does Wilwood Engineering, Inc. make, or cause to be made to purchaser any description of the goods sold to purchaser, nor does Wilwood Engineering, Inc. make, or cause to be made, as part of the basis of the bargain with purchasers, any description or affirmation of fact concerning any sample or model of racing parts, and equipment inventory or service.

As further consideration for purchasers using Wilwood Engineering, Inc. racing parts and equipment any and all inventory and services, purchasers acknowledge that due to the differing conditions and circumstances under which all equipment and parts are installed and used, purchasers are not relying on Wilwood Engineering, Inc. skill or judgement to select or furnish the proper part or equipment. Purchasers expressly affirm they are relying upon their own skill or judgement to select and purchase suitable goods.

Wilwood Engineering, Inc. makes no warranties whatsoever, expressed or implied, oral or written, to purchasers. There is no warranty of merchantability made to purchasers. Wilwood Engineering, Inc. further excludes any implied warranty of fitness with respect to racing and equipment, any and all inventory and service.

It is expressly understood and agreed between purchasers and Wilwood Engineering, Inc. that as part of the bargain between Wilwood Engineering, Inc. and purchasers, and in consideration of doing business with each other, all purchasers take, select and purchase said racing parts, equipment, any and all inventory, or services from Wilwood Engineering, Inc. "as is" and "with all faults" and Wilwood Engineering, Inc. shall always provide purchasers with a full and complete opportunity to examine, at purchasers' leisure and convenience, any racing parts and equipment, any and all inventory, or services when purchasing or contemplating purchasing from Wilwood Engineering, Inc.

If, and in the event that purchasers expressly or impliedly cause representations, or statements or affirmations of fact contrary to this disclaimer of all warranties, expressed or implied, then purchasers agree to indemnify and hold harmless Wilwood Engineering, Inc. in the event of any claim, demand, or legal action against Wilwood Engineering, Inc. by any purchaser.

Purchasers understand and agree that no officer, director, employee, or salesman of Wilwood Engineering, Inc. has any authority to make any statement contrary to the terms of this agreement. On the contrary, Wilwood Engineering, Inc. disavows any statement contrary to what is herein above written.

Brakes are critical safety components, see **warnings** and **disclaimer** on page 141



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• **DISCLAIMER OF WARRANTY** •



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