



# W4A RADIAL MOUNT CALIPER

## Caliper Highlights:

**W4A** forged four piston calipers comfortably deliver heavy duty stopping power for the road, track, or back country trail. It incorporates purebred race technology into a body design with widespread adaptability. The **W4A** is a modified version of the W6A. It provides two additional options for matching piston bore volumes with master cylinder output and rear caliper size for correct bias proportioning. It is also the excellent choice for many racing categories that may not permit six piston calipers. Radial mounting, two options for piston volume, and a rotor diameter range from 12.19" to 14.25" give this caliper the versatility necessary to suit all types of heavy weight brake requirements.



 Black  Red

The **W4A** body is the product of FEA computer design and stress flow forging technology. FEA technology allows the designer to test the prototype model 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.

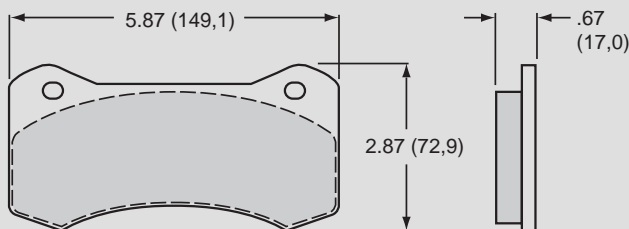
The **W4A** generates big brake clamping force with four differential bore stainless steel pistons. Stainless steel is used for its high resistance to corrosion and low thermal conductivity that reduces the heat transfer from the pads. The differential bore pattern balances pad loading against mechanical influences and changes in temperature over the length of the pad to help maintain even pad wear. High temperature bore seals provide long service life in hard braking environments and maintain their resilience to provide positive piston retraction on release.

The performance and durability of the **W4A** is further 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 to extend the service life of the caliper. The spring-loaded action of the plates also eliminates pad rattle and other harsh noise by damping the engagement harmonics that can contribute to pad squeal. Snap ring clips lock the pad pins in place to provide positive retention and allow easy service access without caliper removal. The two-piece bleed screws protect the caliper body from damage that can occur from over tightening the screw. The bleeds are also recess mounted for protection against impact and debris. They are easily replaced should they become worn. The fluid tubes are dampen mounted to protect them from fatigue or damage from vibration or debris. Finally, the calipers are anodized in high luster black to protect them from corrosion and maintain their high-tech appearance inside the wheel. The **W4A** is also available with a gloss red finish and other custom Wilwood colors by order.

## CALIPER ORDERING INFORMATION:<sup>(1)</sup>

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 <sup>(1)</sup>	120-9680-RS <sup>(1)</sup>
1.62 / 1.38" 41,1 / 35,1 mm	1.25" 31,8 mm	120-9681-RS <sup>(1)</sup>	120-9682-RS <sup>(1)</sup>

## W4A BRAKE PAD TYPE 6617 - PAD VOLUME = 5.2 CU. IN.:



AXLE SET P/N	PAD TYPE / COMPOUND
150 - 9488K	6617 10 BP-10 Smart Pad
150 - 9489K	6617 20 BP-20 Smart Pad
150 - 9980K	6617 30 BP-30 Smart Pad

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.