



# FORGED SUPERLITE FSL4 & FSL4/ST DIFFERENTIAL PISTON BORE CALIPERS

## Caliper Highlights:

- Differential piston bores compensate for leading-edge mechanical loading and temperature variance across the pad face to reduce pad taper wear in sustained high temperature applications.
- Thermlock® pistons in the FSL4/ST and heavy wall stainless steel pistons in the FSL4 models provide choices for two levels of protection against conductive heat transfer to the seals, fluid, and caliper body.



## Caliper Features:

### Forged Billet Body

- Designed for maximum structural efficiency using computer generated solid modeling and FEA stress analysis design technology.
- Stress flow forging process aligns the internal grain structure for improved strength and durability over simple block billet machined components.
- Full width bridges featuring a radial transition from the piston housings are combined with center bridge bolts for maximum resistance against body deflection and separation under load.

FSL4/ST Caliper with Thermlock® Pistons

### Pistons

- Extreme duty FSL4/ST caliper models feature Thermlock® pistons for the highest degree of protection against conductive heat transfer from the pads to the fluid, seals, and body. Average caliper temperatures are reduced by 25% over stainless pistons.
- Standard duty FSL4 models are equipped with the industry's heaviest wall stainless steel pistons. These pistons eliminate high-pressure deflection while providing full resistance to corrosion and slower heat transfer over common steel or aluminum pistons.

### Standard Performance Enhancements

- High temperature square face piston seals provide a full contact sealing surface and maintain their resilience through long service cycles for effective and controlled piston retraction.
- Stainless steel SRS bridge plates reduce pad rattle and dampen the vibration harmonics that can contribute to harsh engagement noise. The bridge plates also extend caliper service life by eliminating bridge gouging at the pad trailing edge.
- Fluid transfer tubes are dampened and recess mounted to eliminate fatigue from vibration while adding protection against damage from track or road born debris.
- Center bridge bolts provide positive pad retention with easy access for service without caliper removal.

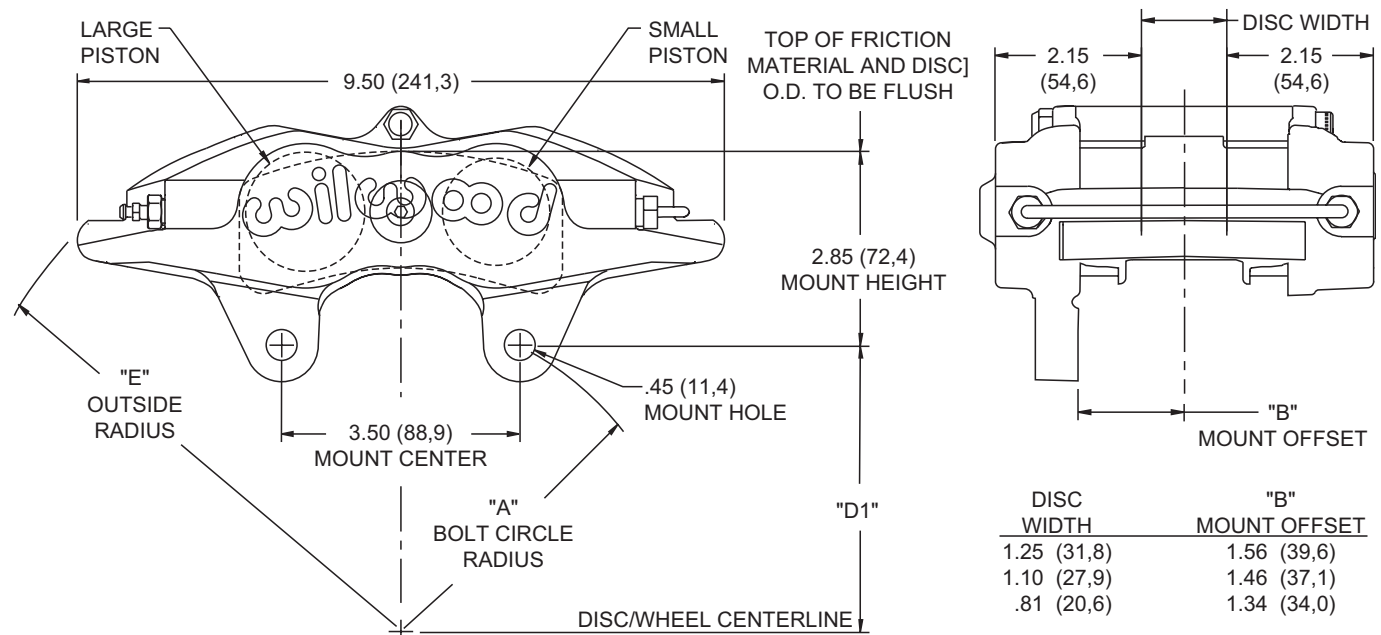
## ORDERING INFORMATION: FSL4/ST CALIPERS WITH THERMLOCK® PISTONS

BORE SIZE	DISC WIDTH	REAR MOUNT PART NO.	
		RH	LH
1.88 / 1.75" 47,8 / 44,5 mm	1.25" 31,8 mm	120-9579-RS	120-9580-RS
1.88 / 1.75" 47,8 / 44,5 mm	0.81" 20,6 mm	120-9577-RS	120-9578-RS

## ORDERING INFORMATION: FSL4 CALIPERS WITH STAINLESS STEEL PISTONS

BORE SIZE	DISC WIDTH	REAR MOUNT PART NO.	
		RH	LH
1.88 / 1.75" 47,8 / 44,5 mm	1.25" 31,8 mm	120-9575-RS	120-9576-RS
1.88 / 1.75" 47,8 / 44,5 mm	0.81" 20,6 mm	120-9573-RS	120-9574-RS

**FORGED BILLET SUPERLITE FSL4 CALIPER, MOUNTING DIMENSIONS:**

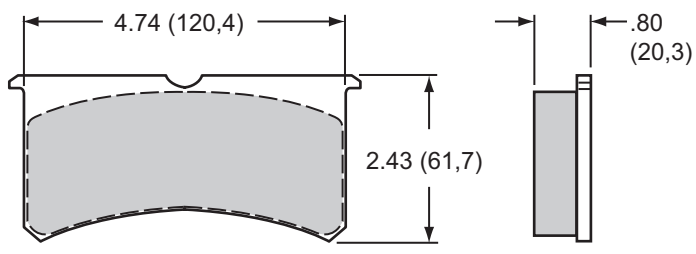


DISC WIDTH	"B" MOUNT OFFSET
1.25 (31,8)	1.56 (39,6)
1.10 (27,9)	1.46 (37,1)
.81 (20,6)	1.34 (34,0)

DIMENSION "D1" = (DISC DIAMETER/2) - 2.85 (72,4)	DISC DIAMETER	"A" BOLT CIRCLE RADIUS	"E" OUTSIDE RADIUS
	11.75 (298,5)	3.50 (88,9)	6.69 (169,9)
	12.19 (309,6)	3.69 (93,7)	6.85 (174,0)
	12.72 (323,1)	3.92 (99,6)	7.05 (179,1)
	12.88 (327,2)	4.00 (101,6)	7.12 (180,8)
	13.00 (330,2)	4.05 (102,9)	7.18 (182,4)

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

**SUPERLITE CALIPER, TYPE 7420 PAD DIMENSIONS AND ORDERING INFORMATION:**



AXLE SET PART NO.	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
15J - 6443K	7420 J PolyMatrix
15Q - 6829K	7420 Q PolyMatrix
150 - 8854K	7420 10 BP-10 Smart Pad
150 - 9416K	7420 20 BP-20 Smart Pad
150 - 8323K	7420 SM For Titanium rotor

**ORDERING INFORMATION, USER SERVICEABLE COMPONENTS:**

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)