

CIR50 series

4-piston brake caliper



The CIR50 series caliper can be tailored for a wide range of applications with various piston and disc sizes available.

Installation drawings and models are available upon request.

Specifications

Caliper material	SG iron
Number of pistons	4
Piston diameters	30.2mm to 38.1mm
Disc diameter range	300mm to 380mm
Disc thickness range	9mm to 48mm
Fluid inlet	M10 conical seat or gasket face
Pad thickness	15mm
Pad area	53.8cm ²
Assembled weight	6.5kg
Mounting attitude	3 or 9 o'clock approx.



Applications

SUV, armoured vehicles, defence, emergency services, ground support, specialist applications

Key features and benefits

- Direct radial mount or lug mount via a separate bracket.
- Hanging pads with anti-rattle clips.
- Acid zinc plating with additional paint option.
- EPDM seal material.

Brake torque calculator

Number of pistons	Piston diameters		K (dynamic)	Min disc diameter	Max disc diameter	P (max operating pressure)	R (friction radius calc)
4	30.2	30.2	0.12	300	380	140	Disc dia/2 -25.5
4	30.2	31.8	0.13	300	380	140	Disc dia/2 -25.5
4	31.8	31.8	0.13	300	380	140	Disc dia/2 -25.5
4	31.8	34.9	0.15	300	380	140	Disc dia/2 -25.5
4	34.9	34.9	0.16	300	380	140	Disc dia/2 -25.5

$$\text{Brake torque (Nm)} = K \times P \times R$$