

# 5019-SA | SPRING APPLIED AIR RELEASED CALIPER DISC BRAKE

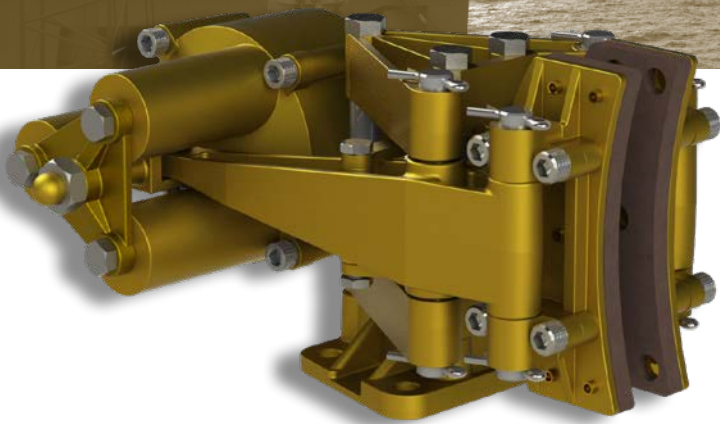


## KEY BENEFITS

Bronze & stainless steel construction

Easily changed brake pads

Well matched to Kobelt's standard range of 3/4" ventilated discs



## Putting you in control.

For over three decades, Kobelt has been manufacturing rugged, durable disc brakes for the oil and gas, mining, material handling and manufacturing industries. Constructed of bronze and stainless steel, Kobelt's disc brakes are built to last in the harshest conditions.

Available with several options, these caliper disc brakes are well suited for parking or emergency braking duty on draw works, hoists, winches and more.

## SPECIFICATIONS

PART NO.	NORMAL FORCE <sup>1</sup>	PRESSURES	
		RELEASE	HOLD-OFF
5019-SA	2710 lbs [12.1 kN]	123 psi [8.5 bar]	106 psi [7.3 bar]
5019-SA100	2140 lbs [9.5 kN]	98 psi [6.8 bar]	83 psi [5.7 bar]
5019-SA80	1700 lbs [7.6 kN]	79 psi [5.4 bar]	65 psi [4.5 bar]
5019-SA70	1460 lbs [6.5 kN]	71 psi [4.9 bar]	56 psi [3.9 bar]
5019-SA60	1140 lbs [5.1 kN]	56 psi [3.9 bar]	43 psi [3.0 bar]

Maximum Pressure: 250 psi [17.2 bar]

Port Size: 1/4 NPT

Actuator Volume: 14.7 in<sup>3</sup> [241 cc]

Temperature Range: -40°F...+120°F  
-40°C...+49°C

Disc Thickness: 3/4 in [19 mm]

Max Running Clearance: .06 in [1.5 mm]

Minimum Disc Diameter: 9 in [229 mm]

Maximum Disc Diameter: unlimited<sup>2</sup>

Weight: 17 lbs [7.7 kg]

<sup>1</sup>Torque:

$$T_B = 2F_N\mu \left( \frac{OD-2.36}{24} \right)$$

Where:

T<sub>B</sub> = brake torque (ft-lbf)

F<sub>N</sub> = normal force (lbf)

μ = coefficient of friction

= 0.35 (nonferrous disc)

= 0.38 (steel disc)

= 0.41 (cast iron disc)

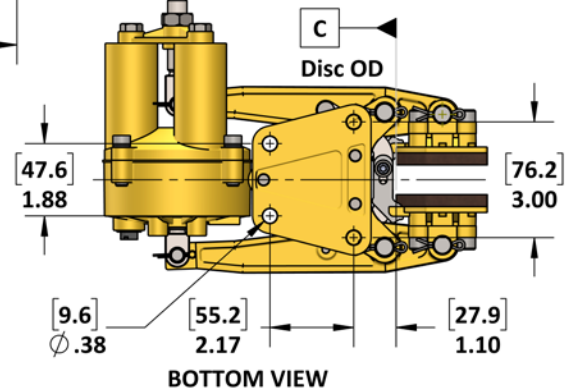
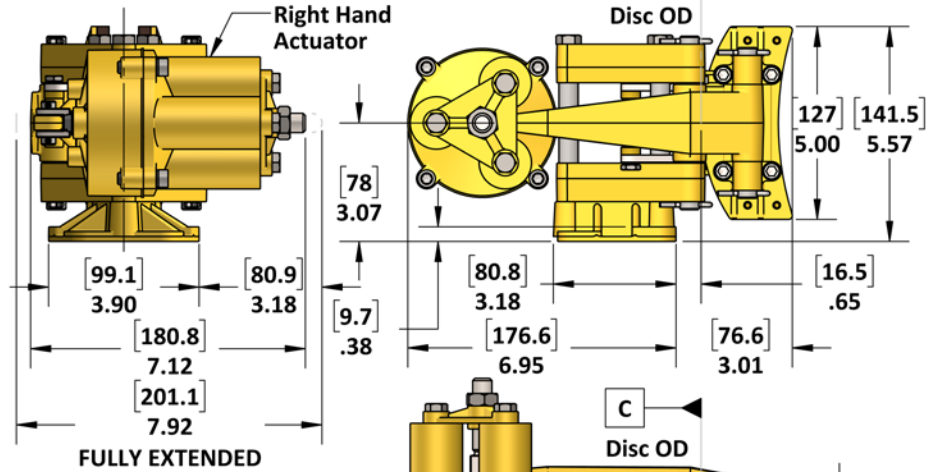
OD = brake disc diameter (in)

Friction values are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C, manufactured to required specifications.

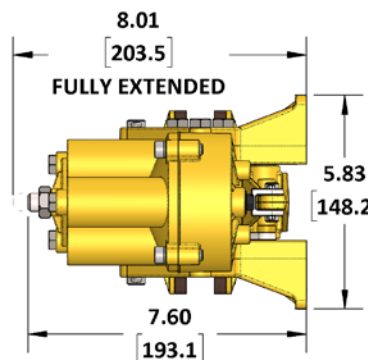
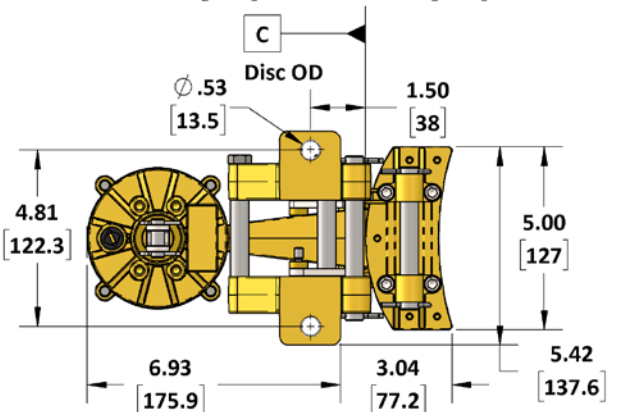
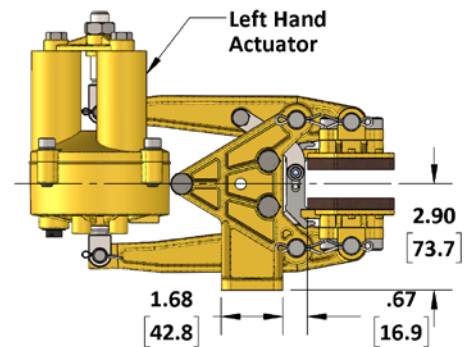
<sup>2</sup>Requires a minimum 2.38 in [60 mm] wide face

# SPECIFICATIONS

## FOOT MOUNTED VERSION



## SIDE MOUNTED VERSION



### BRAKE MODEL KEY CODE

