

# 5021-SA | SPRING APPLIED AIR RELEASED CALIPER DISC BRAKE

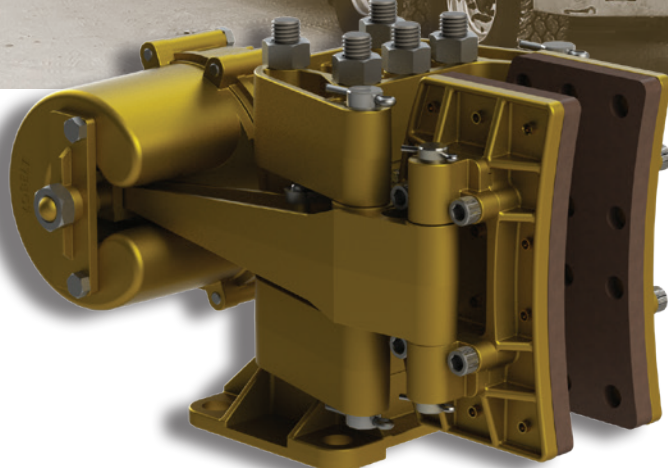


## KEY BENEFITS

Bronze & stainless steel construction

Easy brake pad replacement

Well matched to Kobelt's standard range of 2" 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
5021-SA	4700 lbs [20.9 kN]	102 psi [7.1 bar]	89 psi [6.2 bar]
5021-SA90	4250 lbs [18.9 kN]	87 psi [6.0 bar]	79 psi [5.4 bar]
5021-SA75	3700 lbs [16.5 kN]	76 psi [5.2 bar]	68 psi [4.7 bar]
5021-SA60	2970 lbs [13.2 kN]	62 psi [4.3 bar]	53 psi [3.7 bar]

Maximum Pressure: 250 psi [17.2 bar]

Port Size: ¼ NPT

Actuator Volume: 16.6 in<sup>3</sup> [273 cc]

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

Disc Thickness: 2 in [51 mm]

Max Running Clearance: .06 in [1.5 mm]

Minimum Disc Diameter: 20 in [508 mm]

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

Total Pad Area: 53 in<sup>2</sup> [344 cm<sup>2</sup>]

Weight: 57 lbs [25.9 kg]

$$^1\text{Torque: } T_B = 2F_N\mu \left( \frac{OD - 4.50}{24} \right)$$

Where:

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

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

μ = coefficient of friction

= 0.35 (nonferrous)

= 0.38 (steel)

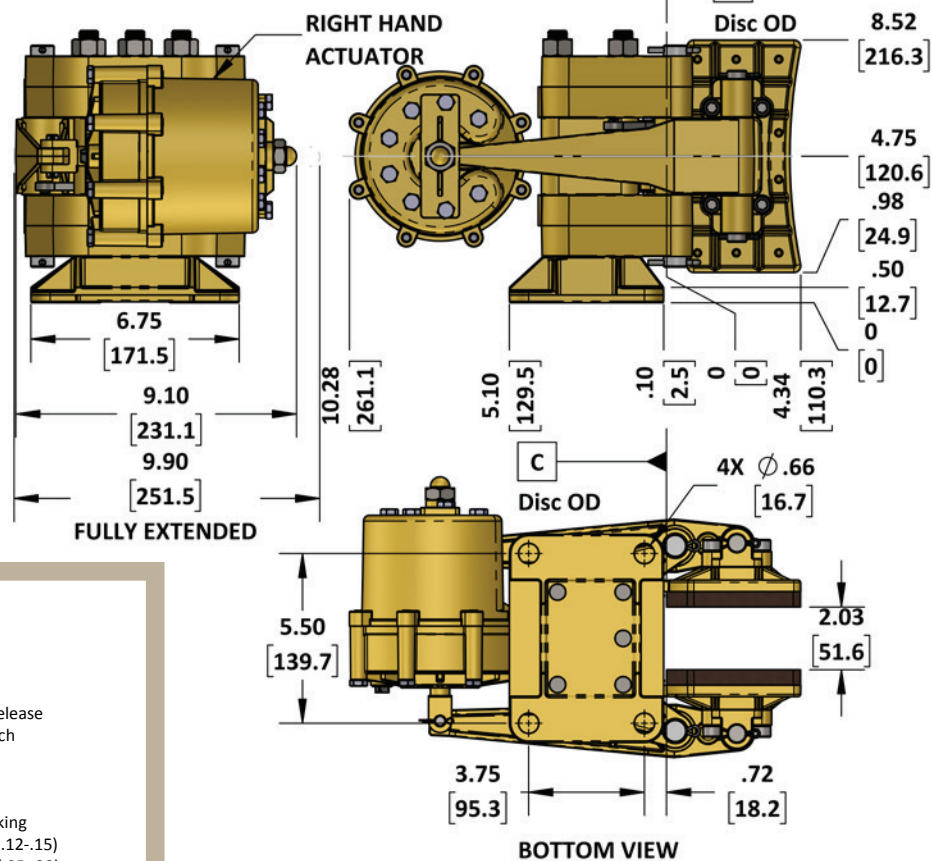
= 0.41 (ferrous)

OD = brake disc diameter (in)

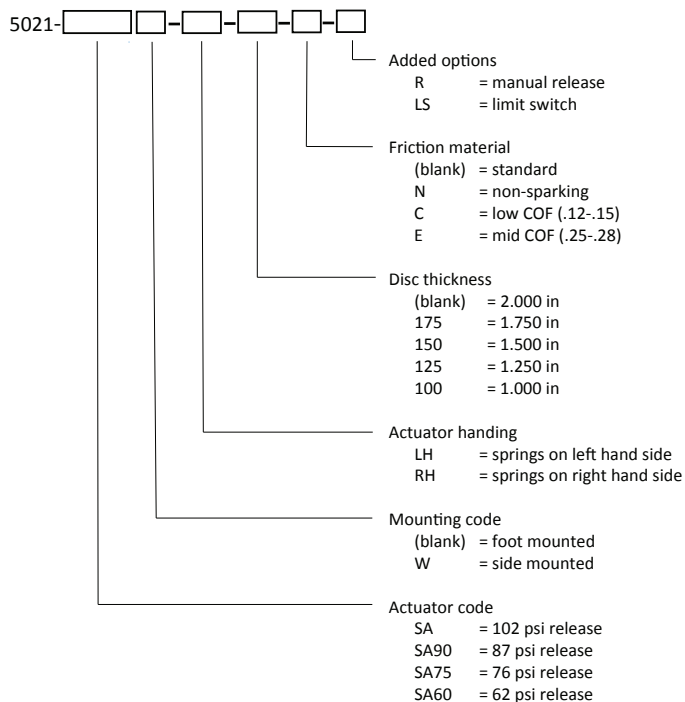
<sup>2</sup>Requires a minimum 4.34 in [110 mm] wide face

# SPECIFICATIONS

## FOOT MOUNTED VERSION



### Brake Model Code Key



## SIDE MOUNTED VERSION

