

5023-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.

Constructed entirely of bronze and stainless steel, Kobelt's spring applied disc brakes are built to last in the harshest, most corrosive conditions.

The brake features a shoe design which allows the brake pads to be easily and quickly changed while leaving the caliper in place.

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 ¹	PRESSURES	
		RELEASE	HOLD OFF
5023-SA	7930 lbs [35.03 kN]	88 psi [6.1 bar]	79 psi [5.5 bar]
5023-SA75	6770 lbs [30.1 kN]	76 psi [5.2 bar]	66 psi [4.6 bar]
5023-SA70	6090 lbs [27.1 kN]	68 psi [4.7 bar]	59 psi [4.1 bar]
5023-SA60	5120 lbs [22.8 kN]	55 psi [3.8 bar]	49 psi [3.4 bar]

Maximum Pressure:	150 psi	[10.3 bar]
Port Size:	3/8 NPT	
Actuator Volume:	46.2 in ³	[757 cc]
Temperature Range:	-40°F...+131°F -40°C...+55°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 ² :	unlimited	
Total Pad Area:	53.4 in ²	[344 cm ²]
Weight:	77 lbs	[35 kg]

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

Where:

T_B = brake torque (ft-lbf)

F_N = normal force (lbf)

μ = coefficient of friction

= 0.35 (nonferrous)

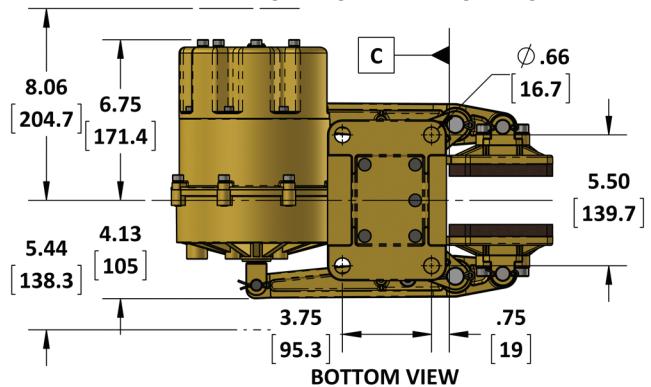
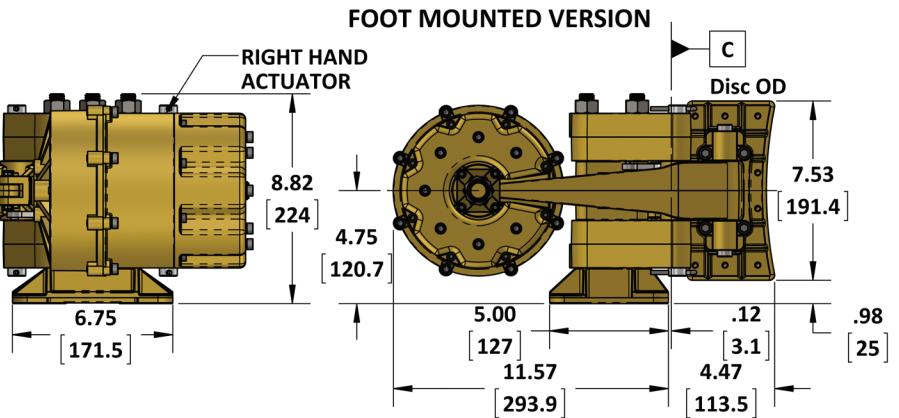
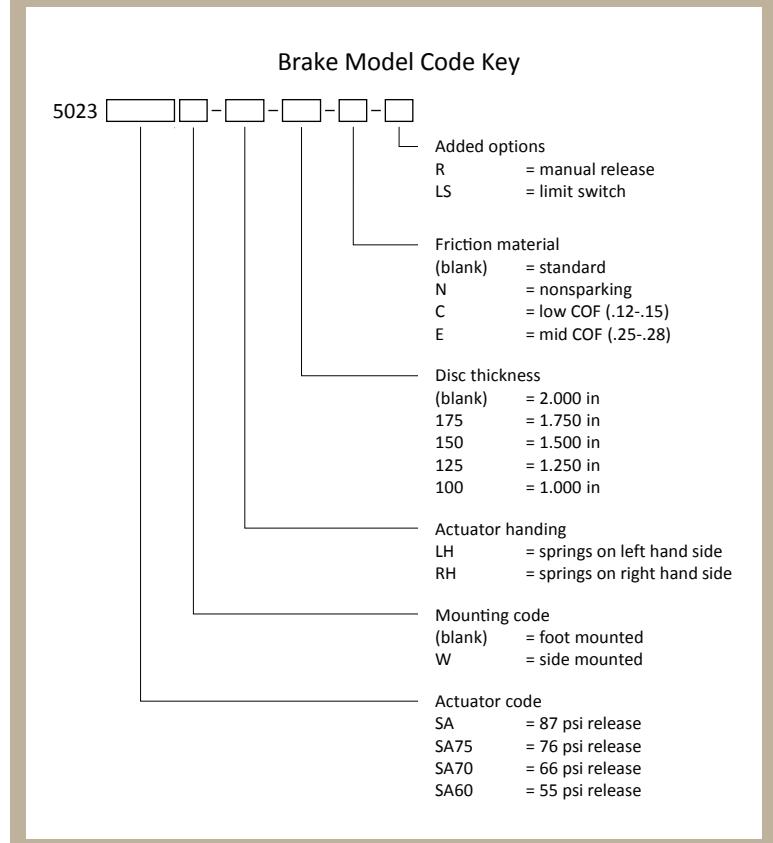
= 0.38 (ferrous disc)

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.

² Requires a minimum 4.34 in [110 mm] wide face

SPECIFICATIONS



SIDE MOUNTED VERSION

