

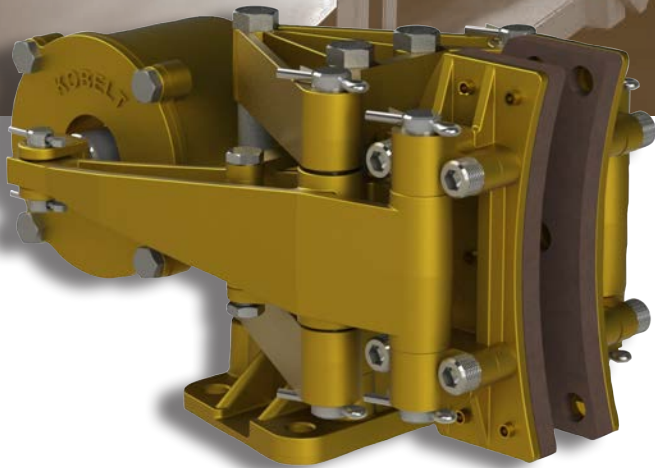
5019-A | AIR APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easily changed brake pads

Well matched to Kobelt's standard range of $\frac{3}{4}$ " ventilated discs



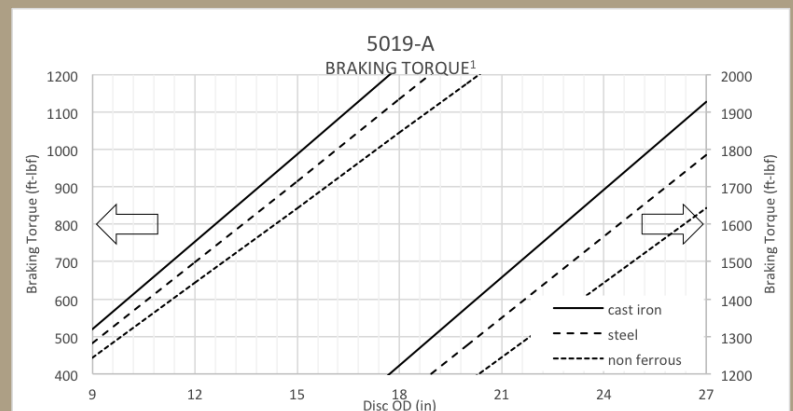
Putting you in control.

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 service braking applications on uncoilers, paper machines and more.

SPECIFICATIONS

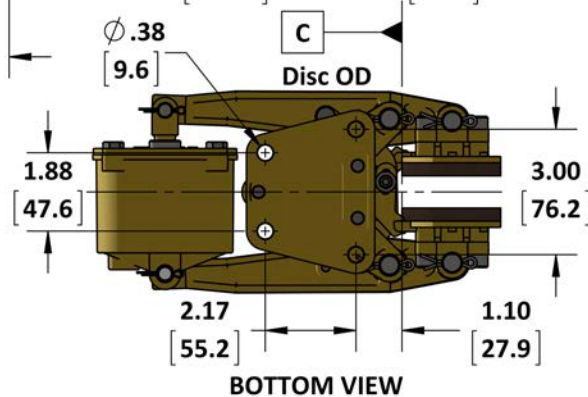
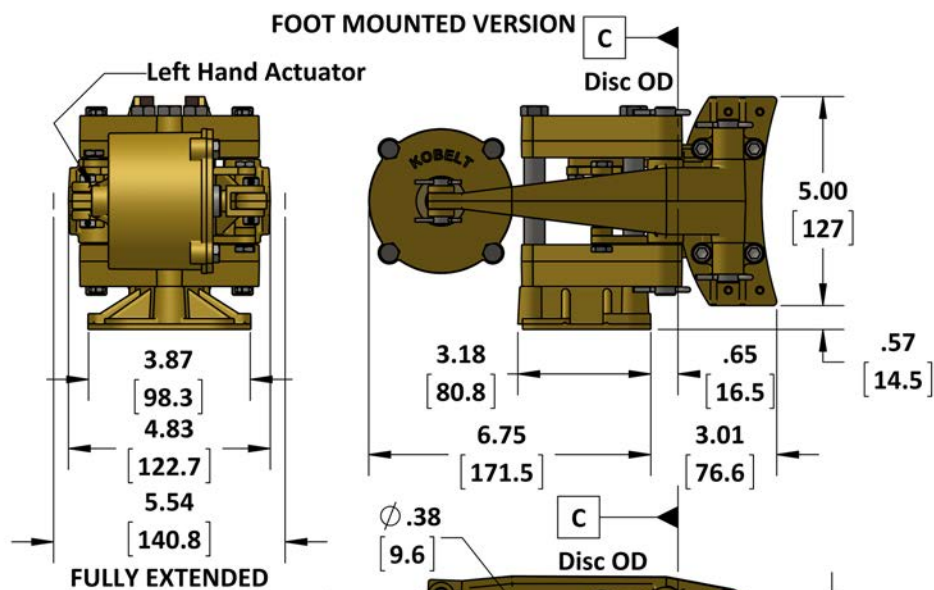
Normal Force:	0...2280 lbs	[10.1 kN]
Maximum Pressure:	100 psi	[6.9 bar]
Port Size:	$\frac{1}{4}$ NPT	
Actuator Volume:	7.5 in ³	[123 cc]
Temperature Range:	-40°F...+120°F -40°C...+49°C	
Disc Thickness:	$\frac{3}{4}$ in	[19 mm]
Minimum Disc Diameter:	9 in	[229 mm]
Maximum Disc Diameter:	unlimited ²	
Pad Life:	136 hp-hr	[101 kw-hr]
Weight:	14 lbs	[6.4 kg]



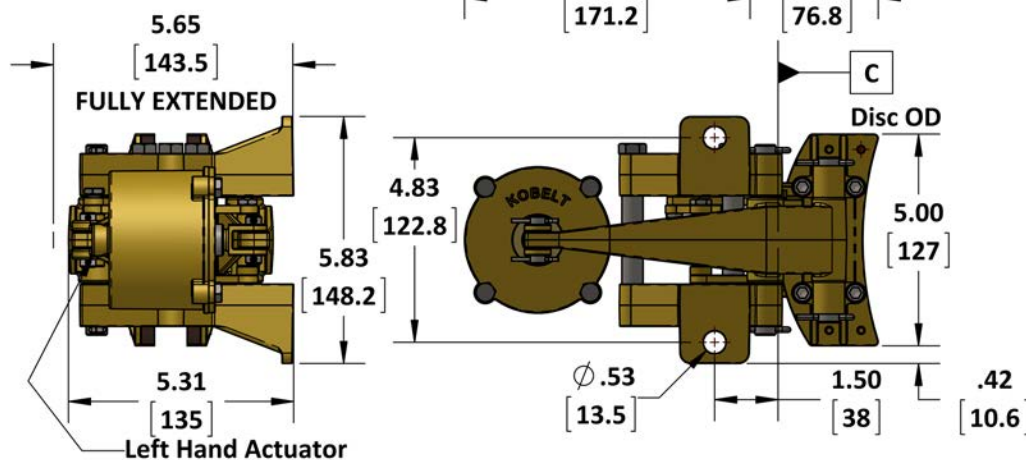
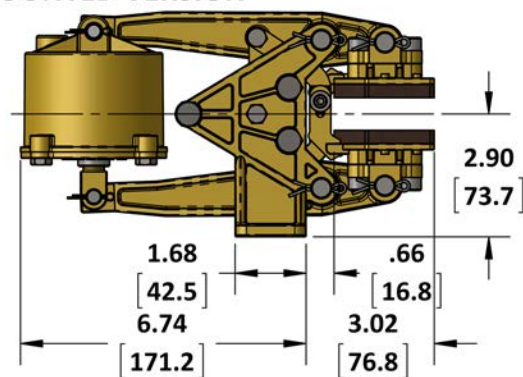
¹ Values in this chart are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C and manufactured to required specifications.

² Requires a minimum 2.38 in [60 mm] wide face.

SPECIFICATIONS



SIDE MOUNTED VERSION



Brake Model Code Key

5019-A [] - [] - [] - []

Friction material

- (blank) = standard
- N = non-sparking
- C = low COF (.12-.15)
- E = mid COF (.25-.28)

Disc thickness

- (blank) = 0.750 in
- 063 = 0.625 in
- 050 = 0.500 in
- 038 = 0.375 in

Actuator handing

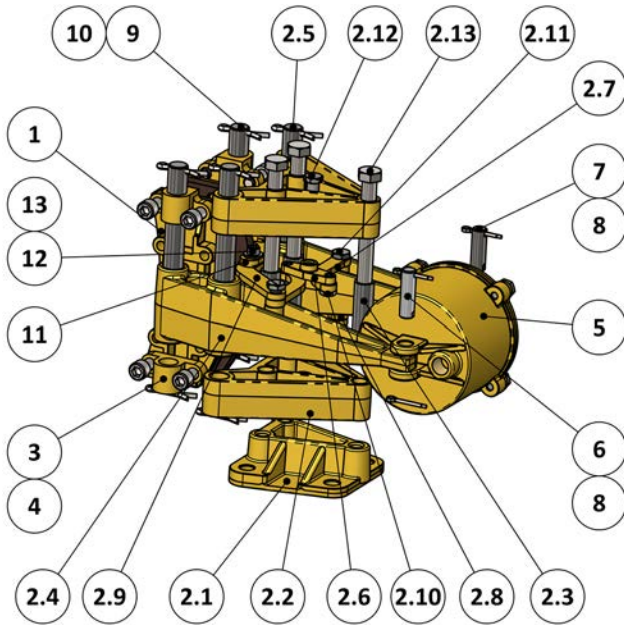
- LH = air inlet on left hand side
- RH = air inlet on right hand side

Mounting code

- (blank) = foot mounted
- W = side mounted

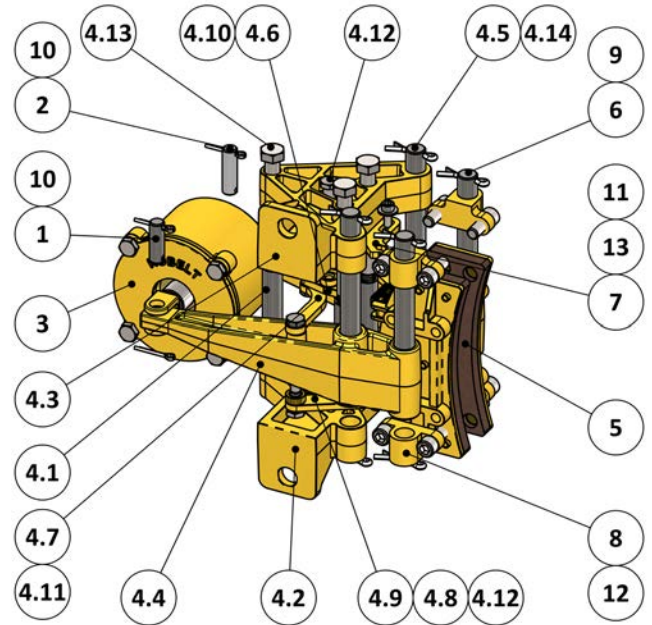
PARTS LISTING

5019-A Caliper Brake



ITEM	QTY.	PART NUMBER	5019-A DESCRIPTION
1	2	5019-LS	SHOE ASSEMBLY, 5019 CALIPER, 5/16" K5
2	1	5019-SUB	SUB ASSEMBLY, 5019 CALIPER
2.1	1	5019-0001	BASE, 5019 CALIPER
2.2	2	5019-0002	SADDLE, 5019 CALIPER
2.3	3	5019-0003	SPACER, 5019 CALIPER
2.4	2	5019-0004	MACHINE, LEVER, 5019 CALIPER
2.5	2	5019-0022	SADDLE PIN, 5019 CALIPER
2.6	1	5019-0019	CENTER PIVOT LINK, 5019 CALIPER
2.7	2	5019-0010	CONNECTING LINK, 5019 CALIPER
2.8	1	5019-0027	SPACER, 5019 CALIPER
2.9	2	5019-0011	BALANCE LINK NO. 1, 5019 CALIPER
2.10	2	5019-0026	SHOULDER BOLT, 5019 CALIPER
2.11	1	5019-0025	SHOULDER BOLT, 5019 CALIPER
2.12	3	5019-0024	SHOULDER BOLT, 5019 CALIPER
2.13	3	1001-1280	BOLT, HX HD, 3/8-16 UNC X 5, 18-8
2.14	4	1026-0516	COTTER PIN, 1/8" X 1"
3	4	5019-0006	PIVOT BLOCK, 5019 CALIPER
4	8	1002-1112	SCREW, SKT HD CAP, 5/16-18 UNC X 3/4 LG, 18-8
5	1	6107	AIR APPLIED ACTUATOR, 6107
6	1	6112-0010-S	PIN, 6107 ACTUATOR
7	1	6207-0010-L	PIN, LONG, 6207 ACTUATOR
8	4	1026-0312	COTTER PIN, 3/32" X 3/4", S/S
9	2	5019-0021	SHOE PIN, 5019 CALIPER
10	4	1026-0516	COTTER PIN, 1/8" X 1"
11	2	5019-0012	BALANCE LINK NO. 2, 5019 CALIPER
12	2	1002-0808	SCREW, SKT HD CAP, #10-24 UNC x 1/2 LG, SS
13	2	1023-0108	WASHER, FLAT, #10, TYPE A, SS

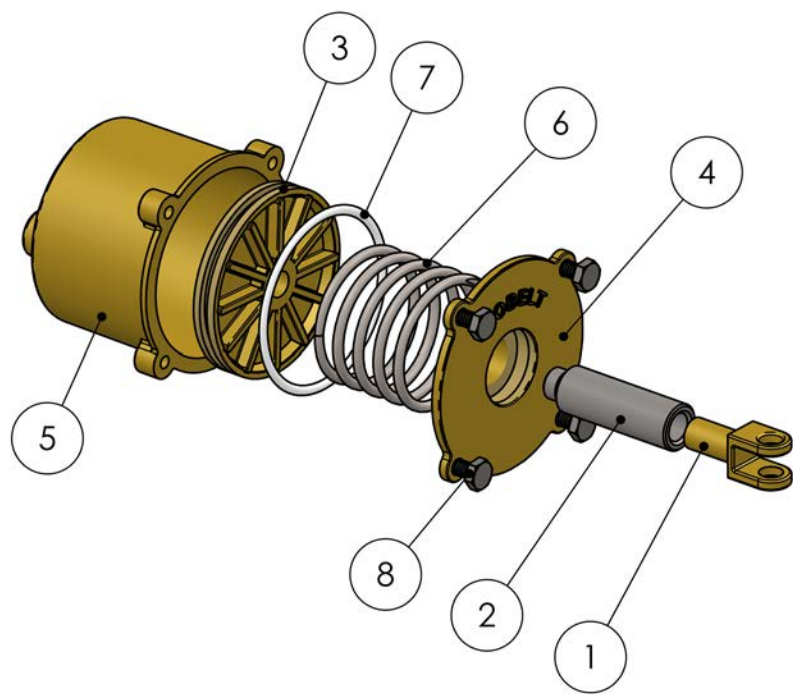
5019-AW Caliper Brake



ITEM	QTY.	PART NUMBER	5019-AW DESCRIPTION
1	1	6207-0010-L	PIN, LONG, 6207 ACTUATOR
2	1	6112-0010-S	PIN, 6107 ACTUATOR
3	1	6107	AIR APPLIED ACTUATOR, 6107
4	1	5019-SUB-W	SUB ASSEMBLY, 5019-W CALIPER
4.1	3	5019-0003	SPACER, 5019 CALIPER
4.2	1	5019-0102-R	SADDLE, SIDE MOUNT, RIGHT, 5019 CALIPER
4.3	1	5019-0102-L	SADDLE, SIDE MOUNT, LEFT, 5019 CALIPER
4.4	2	5019-0004	LEVER, 5019 CALIPER
4.5	2	5019-0022	SADDLE PIN, 5019 CALIPER
4.6	1	5019-0019	CENTER PIVOT LINK, 5019 CALIPER
4.7	2	5019-0010	CONNECTING LINK, 5019 CALIPER
4.8	1	5019-0027	SPACER, 5019 CALIPER
4.9	2	5019-0011	BALANCE LINK NO. 1, 5019 CALIPER
4.10	2	5019-0026	SHOULDER BOLT, 5019 CALIPER
4.11	1	5019-0025	SHOULDER BOLT, 5019 CALIPER
4.12	3	5019-0024	SHOULDER BOLT, 5019 CALIPER
4.13	3	1001-1264	BOLT, HX HD, 3/8-16 UNC X 4, 18-8
4.14	4	1026-0516	COTTER PIN, 1/8" X 1", SS
5	2	5019-LS	SHOE ASSEMBLY, 5019 CALIPER, 5/16" K5
6	2	5019-0021	SHOE PIN, 5019 CALIPER
7	2	5019-0012	BALANCE LINK NO. 2, 5019 CALIPER
8	4	5019-0006	PIVOT BLOCK, 5019 CALIPER
9	4	1026-0516	COTTER PIN, 1/8" X 1", SS
10	4	1026-0312	COTTER PIN, 3/32" X 3/4", SS
11	2	1023-0108	WASHER, FLAT, #10, TYPE A, SS
12	8	1002-1112	SCREW, SKT HD CAP, 5/16-18 UNC X 3/4 LG, 18-8
13	2	1002-0808	SCREW, SKT HD CAP, #10-24 UNC x 1/2 LG, SS

PARTS LISTING

6107 Actuator



ITEM	QTY.	PART NUMBER	6107 DESCRIPTION
1	1	6207-0005S	CLEVIS, 3/8 DIAM, 1/2 UNC, SHORT
2	1	6107-0004	PISTON ROD, 6107 ACTUATOR
3	1	6107-0003	PISTON, 6107 ACTUATOR
4	1	6107-0002	END CAP, 6107 ACTUATOR
5	1	6107-0001	PISTON HOUSING, 6107 ACTUATOR
6	1	1201-0054	SPRING, COMPRESSION, 2.24 OD X .16 WIRE X 3 L
7	1	1101-0232	O RING, 2-232, NBR70
8	4	1001-1008	SCREW, HEX HD, 1/4-20 UNC X 1/2, SS

Note: Parts lists are applicable to standard models only.