

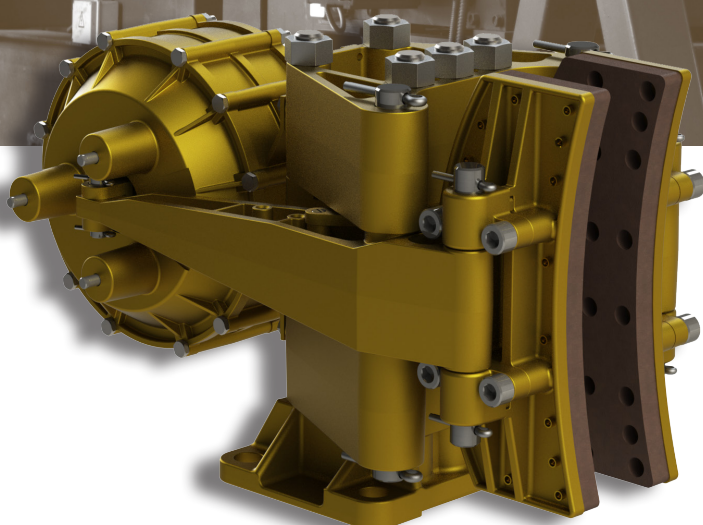
5024-A | AIR APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easily changed brake pads

Well matched to Kobelt's standard range of 2" ventilated discs



Putting you in control.

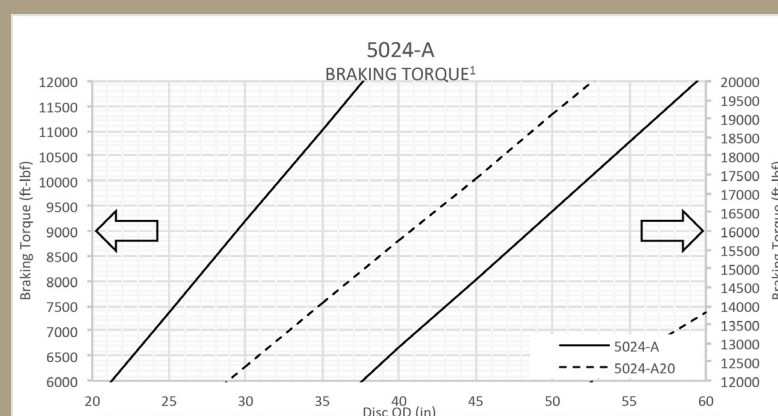
For over three decades, Kobelt has been manufacturing air applied disc brakes using a double diaphragm design for accurate tension control. Constructed of bronze and stainless steel, Kobelt's disc brakes are built to last in the harshest conditions.

Available with several options, these caliper disc brakes are well suited for service braking applications on uncoilers, work boats and more.

SPECIFICATIONS

PART NO.	NORMAL FORCE	ACTUATOR VOLUME
5024-A	10,760 lbs [47.9 kN]	51 in ³ [839 cc]
5024-A20	7360 lbs [32.7 kN]	30 in ³ [491 cc]

Maximum Pressure:	100 psi	[6.9 bar]
Port Size:	¼ NPT	
Temperature Range:	-40°F...+131°F	-40°C...+55°C
Disc Thickness:	2 in	[51 mm]
Minimum Disc Diameter:	20 in	[508 mm]
Maximum Disc Diameter ² :	unlimited	
Pad Life:	4750 hp-hr	[3544 kw-hr]
Total Pad Area:	69 in ²	[445 cm ²]
Weight:	113 lbs	[51.3 kg]

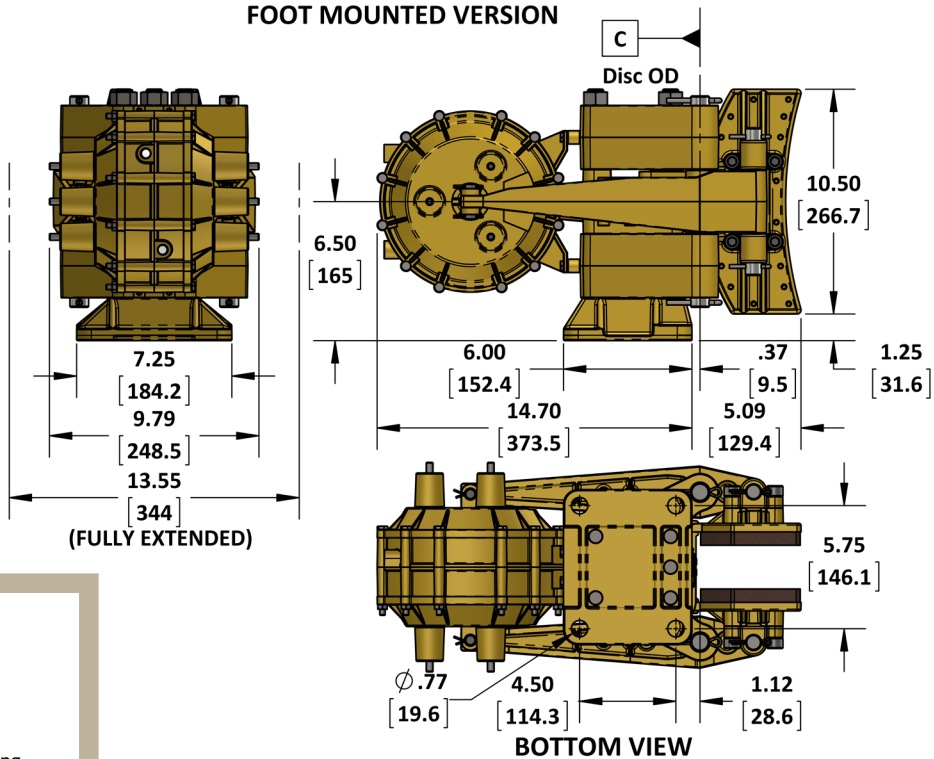


¹ Values in this chart are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C and manufactured to required specifications.

² Requires a minimum 4.71 in [120 mm] wide face.

SPECIFICATIONS

FOOT MOUNTED VERSION



Brake Model Code Key

5024-A [] - [] - []

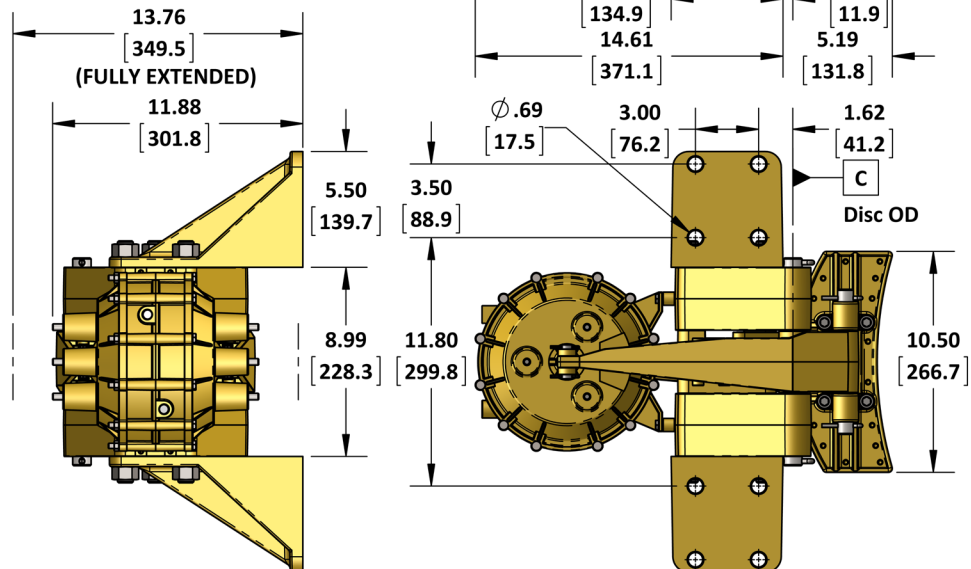
Friction material
 (blank) = standard
 N = non-sparking
 C = low COF (.12-.15)
 E = mid COF (.25-.28)

Disc thickness
 (blank) = 2.000 in
 175 = 1.750 in
 150 = 1.500 in
 125 = 1.250 in
 100 = 1.000 in

Mounting code
 (blank) = foot mounted
 W = side mounted

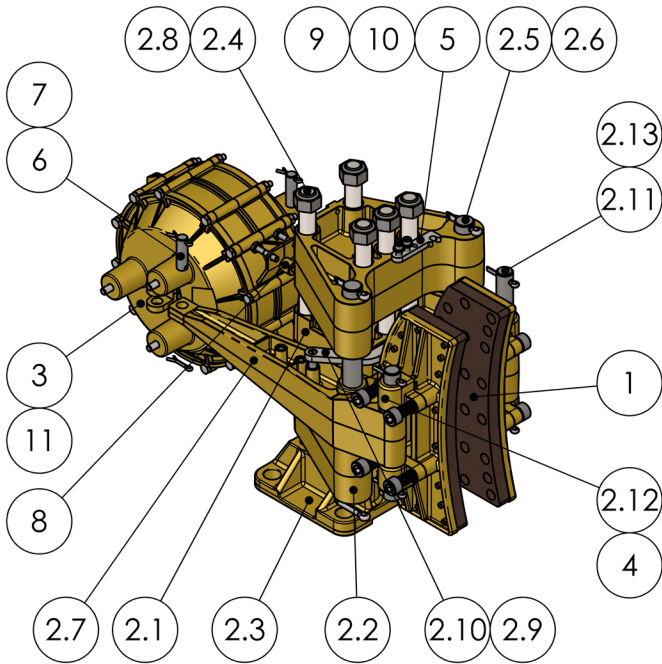
Actuator code
 (blank) = 30 sq.in.
 20 = 20 sq.in.

SIDE MOUNTED VERSION



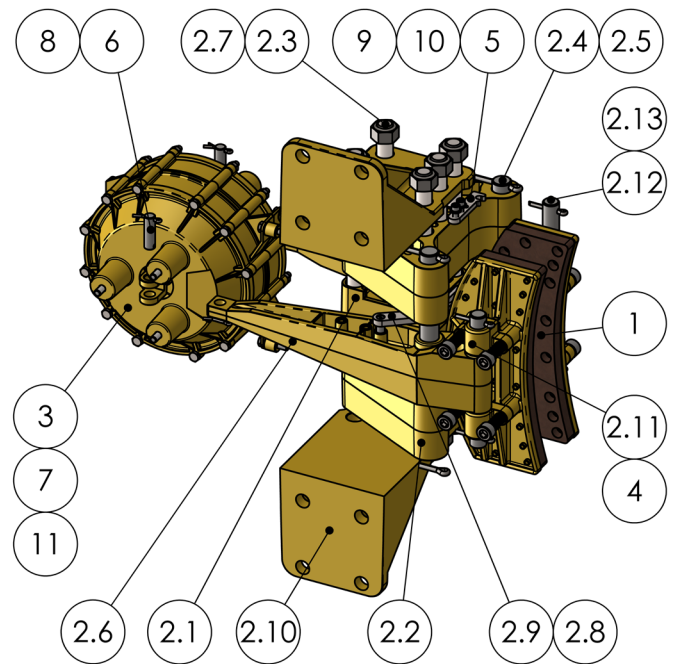
PARTS LISTING

5024-A Caliper Brake



ITEM	QTY.	PART NUMBER	5024-A DESCRIPTION
1	2	5024-LS	SHOE ASSEMBLY, 5024 CALIPER, 5/8" K5
2	1	5024-SUB-A	5024 CALIPER SUB-ASSEMBLY
2.1	1	5024-0003	SPACER, 5024 CALIPER
2.2	2	5024-0002	SADDLE, 5024 CALIPER
2.3	1	5024-0001	FOOT, 5024 CALIPER
2.4	5	5024-0023	TIE ROD, 5024/25 CALIPERS
2.5	2	5024-0022	SADDLE PIN, 5024/25 CALIPERS
2.6	4	1026-1024	COTTER PIN, 1/4" X 1 1/2", SS
2.7	2	5024-0004	LEVER, 5024 CALIPER
2.8	5	1022-0117	NUT, HEX, 3/4-10 UNC, Gr 18-8
2.9	2	5024-0026	LINK PIN, 5024 - 5026 CALIPERS
2.10	2	5024-0011	BALANCING LINK NO. 1, 5024 CALIPER
2.11	2	5024-0021	SHOE PIN, 5024/25 CALIPERS
2.12	4	5024-0006	PIVOT BLOCK, 5024 CALIPER
2.13	4	1026-0824	COTTER PIN, 3/16 X 1 1/2
3	1	6130	AIR APPLIED ACTUATOR, SIZE 30
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	5024-0012	BALANCE LINK NO. 2, 5024 CALIPER
6	2	6230-0010	CLEVIS PIN, 1/2" DIA
7	4	1026-0516	COTTER PIN, 1/8" X 1", SS
8	4	6130-0008	SPACER, 6130 ACTUATOR
9	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
10	4	1002-1010	SCREW, SKT HD, 1/4 UNC X 5/8 LG, 18-8 SS
11	4	1001-1020	SCREW, HEX HD, 1/4-20 X 1-1/4

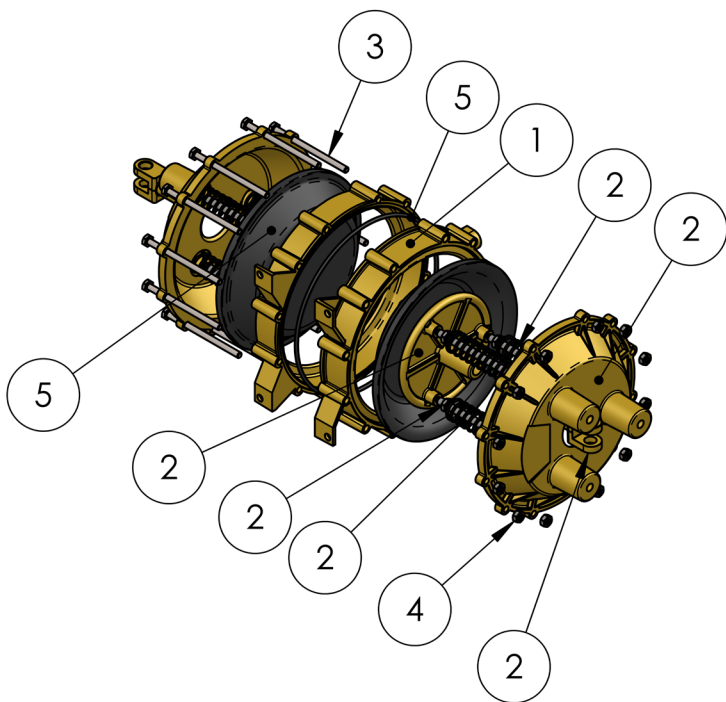
5024-AW Caliper Brake



ITEM	QTY.	PART NUMBER	5024-AW DESCRIPTION
1	2	5024-LS	SHOE ASSEMBLY, 5024 CALIPER, 5/8" K5
2	1	5024-SUB-AW	SUB-ASSEMBLY, 5024 CALIPER
2.1	1	5024-0003	SPACER, 5024 CALIPER
2.2	2	5024-0002	SADDLE, 5024 CALIPER
2.3	5	5024-0023	TIE ROD, 5024/25 CALIPERS
2.4	2	5024-0022	SADDLE PIN, 5024/25 CALIPERS
2.5	4	1026-1028	COTTER PIN, 1/4 X 1 3/4
2.6	2	5024-0004	LEVER, 5024 CALIPER
2.7	10	1022-0117	NUT, HEX, 3/4-10 UNC, Gr 18-8
2.8	2	5024-0026	LINK PIN, 5024 - 5026 CALIPERS
2.9	2	5024-0011	BALANCING LINK NO. 1, 5024 CALIPER
2.10	2	5027-0200	SIDE MOUNT FOOT, 5027 CALIPER
2.11	4	5024-0006	PIVOT BLOCK, 5024 CALIPER
2.12	2	5024-0021	SHOE PIN, 5024/25 CALIPERS
2.13	4	1026-0824	COTTER PIN, 3/16 X 1 1/2
3	1	6130	AIR APPLIED ACTUATOR, SIZE 30
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	5024-0012	BALANCE LINK NO. 2, 5024 CALIPER
6	2	6230-0010	CLEVIS PIN, 1/2" DIA
7	4	6130-0008	SPACER, 6130 ACTUATOR
8	4	1026-0516	COTTER PIN, 1/8" X 1", SS
9	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
10	4	1002-1010	SCREW, SKT HD, 1/4 UNC X 5/8 LG, 18-8 SS
11	4	1001-1020	SCREW, HEX HD, 1/4-20 X 1-1/4

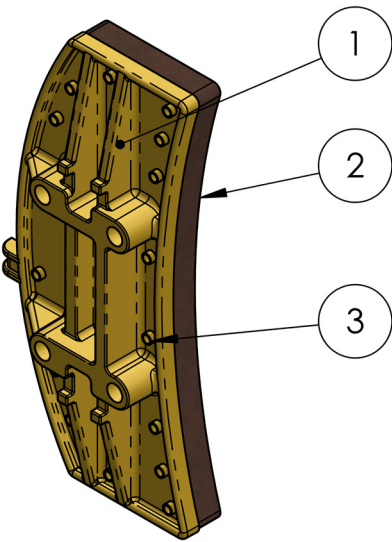
PARTS LISTING

6130 Actuator



ITEM	QTY.	PART NUMBER	6130 DESCRIPTION
1	2	6130-0002	CENTRE HOUSING, 6130 ACTUATOR
2	2	6130-ECA	END CAP ASSEMBLY, 6130 ACTUATOR
3	12	1001-1064	SCREW, HEX HD, 1/4 UNC X 4 LG, GR 18-8
4	12	1022-0110	NUT, HEX, 1/4-20 UNC, SS
5	1	6130-RK	AIR APPLIED ACTUATOR, SIZE 30

5024-LS



ITEM	QTY.	PART NUMBER	5024-LS DESCRIPTION
1	1	5024-0005	BRAKE SHOE
2	1	5024-0007	BRAKE LINING, 5/8 INCH K5
3	20	1033-1007	RIVET, 1/4 X 7/16 (10-7), BRASS

Note: Parts lists are applicable to standard models only.