

5030-A | AIR APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easily changed brake pads

Well matched to Kobelt's standard range of 4" x 7" ventilated discs

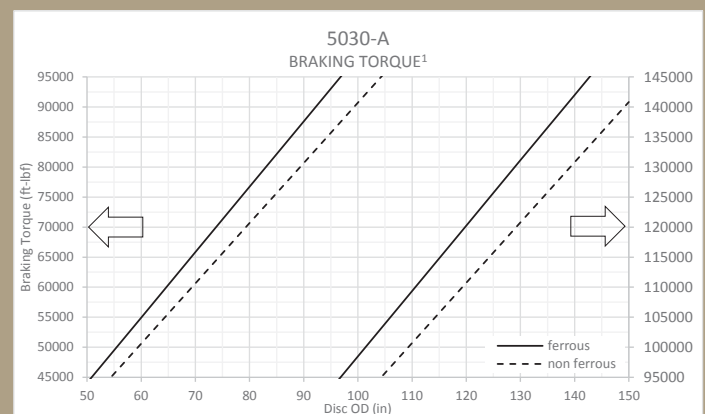
Putting you in control.

For over three decades, Kobelt has been manufacturing air applied disc brakes using a double diaphragm design for accurate braking 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 drawworks, work boats and more.

SPECIFICATIONS

Normal Force:	0...34,360 lbs	[152.9 KN]
Maximum Pressure:	100 psi	[6.9 bar]
Port Size:	3/8 NPT	
Actuator Volume:	203 in ³	[3.3 L]
Temperature Range:	-40°F...+131°F -40°C...+55°C	
Disc Thickness:	4 in	[102 mm]
Minimum Disc Diameter:	50 in	[1270 mm]
Maximum Disc Diameter ² :	216 in	[5486 mm]
Pad Life:	26,260 hp-hr	[19,590 kw-hr]
Total Pad Area:	316 in ²	[2038 cm ²]
Weight:	649 lbs	[294 kg]

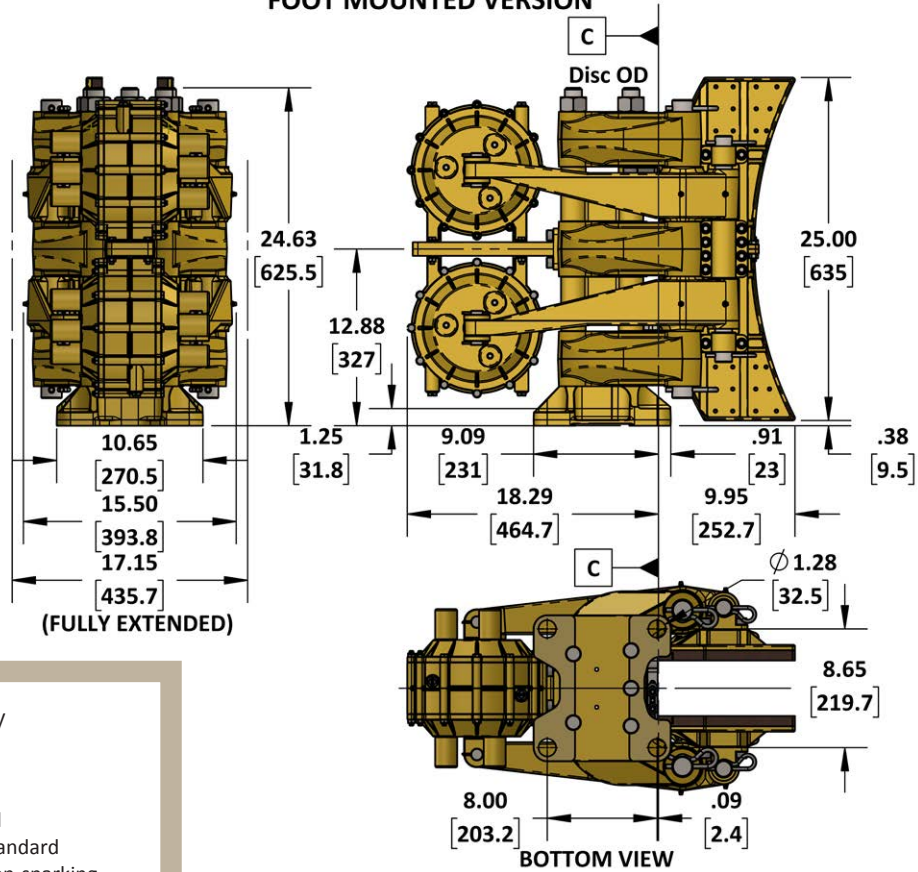


¹ Values in this chart are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a ductile iron rotor at 20°C and manufactured to required specifications.

² Requires a minimum 9.00 in [229 mm] wide face.

SPECIFICATIONS

FOOT MOUNTED VERSION



Brake Model Code Key

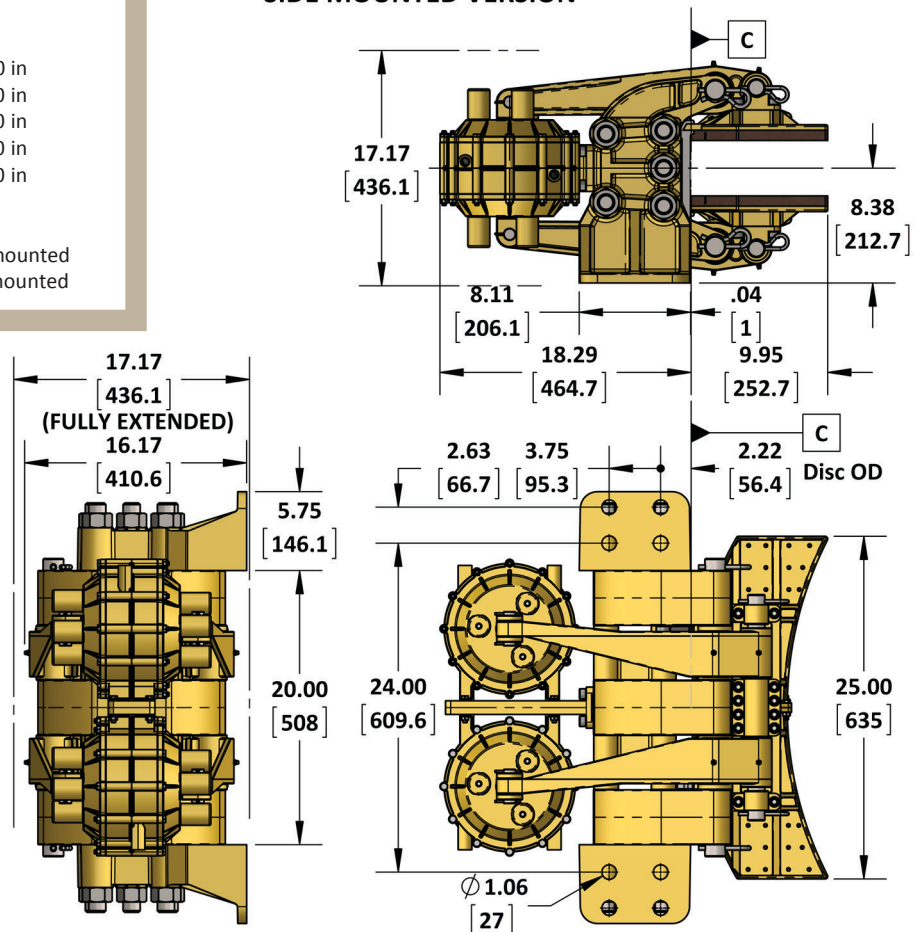
5030-A [] - [] - []

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

Disc thickness
(blank) = 4.000 in
350 = 3.500 in
300 = 3.000 in
250 = 2.500 in
200 = 2.000 in

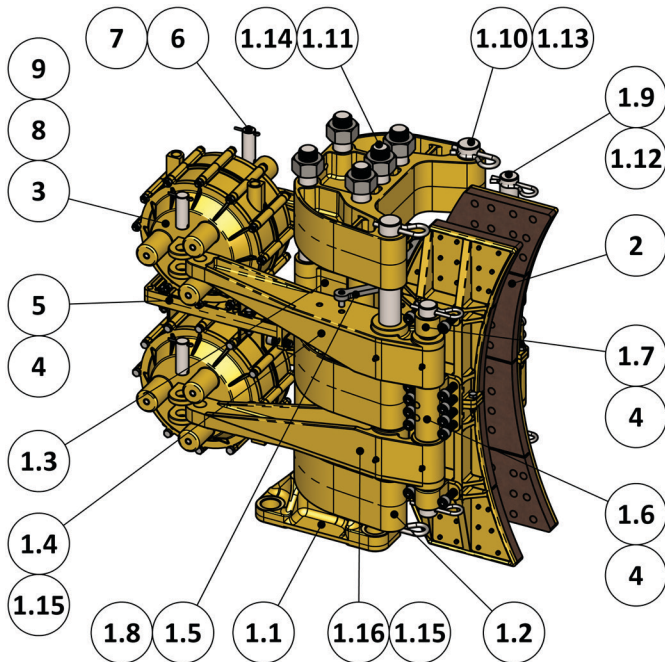
Mounting code
(blank) = foot mounted
W = side mounted

SIDE MOUNTED VERSION

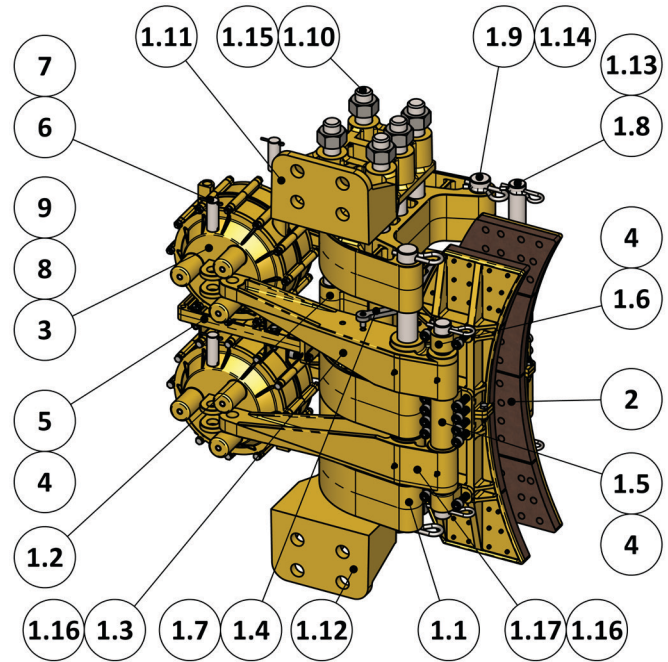


PARTS LISTING

5030-A Caliper Brake



5030-AW Caliper Brake

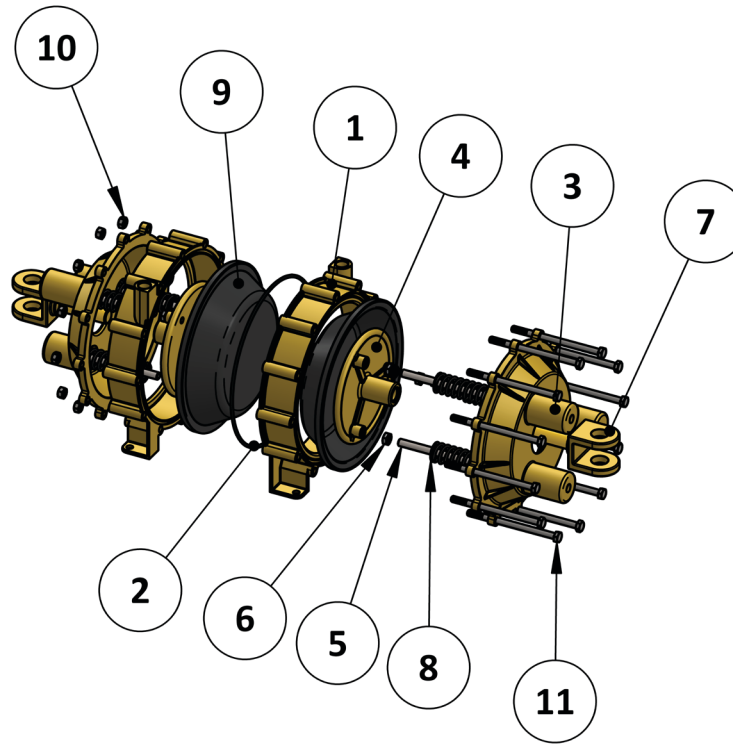


ITEM	QTY.	PART NUMBER	5030-A DESCRIPTION
1	1	5030-SUB	SUB-ASSEMBLY, 5030 CALIPER
1.1	1	5029-0001	FOOT, 5029 / 5030 CALIPER
1.2	3	5029-0002	SADDLE, 5029 CALIPER
1.3	2	5029-0003	SPACER, 5029 CALIPER
1.4	2	5030-0004-L	LEVER, LEFT HAND, 5030 CALIPER BRAKE
1.5	2	5029-0011	BALANCING LINK, 5029 CALIPER
1.6	2	5029-0013	PIVOT BLOCK, INNER, 5029 CALIPER
1.7	4	5029-0014	PIVOT BLOCK, OUTER, 5029 CALIPER
1.8	2	5029-0016	LINK PIN, 5029 - 5049 CALIPERS
1.9	2	5029-0021	SHOE PIN, 5029 CALIPER
1.10	2	5029-0022	SADDLE PIN, 5029 CALIPER
1.11	5	5029-0023	TIE ROD, 5029 CALIPER
1.12	4	1039-0470	HITCH PIN, 1/4 X 4-1/4, STEEL
1.13	4	1039-0553	HITCH PIN, 5/16 X 4, STEEL
1.14	5	1022-0125	HEX NUT, 1-3/4"-7 UNC, 18-8
1.15	8	1501-0301	GREASE NIPPLE, 1/4-28
1.16	2	5030-0004-R	LEVER, RIGHT HAND, 5030 CALIPER BRAKE
2	2	5030-LS	SHOE ASSEMBLY, 5030 CALIPER
3	2	6136	AIR APPLIED ACTUATOR, TYPE 36
4	28	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	1	5029-0015	AIR APPLIED ACTUATOR BRACKET, 5029 CALIPER
6	4	6136-0006	CLEVIS PIN, 5029/5030
7	8	1026-0624	COTTER PIN, 5/32 x 1-1/2, SS
8	4	1001-1128	SCREW, HEX HEAD, 5/16-18 X 1.75, 18-8
9	4	1022-0111	NUT, HEX, 5/16-18 UNC, GR. 18-8

ITEM	QTY.	PART NUMBER	5030-AW DESCRIPTION
1	1	5030-SUB-W	SUB-ASSEMBLY, 5030 CALIPER, SIDE MOUNT
1.1	3	5029-0002	SADDLE, 5029 CALIPER
1.2	2	5029-0003	SPACER, 5029 CALIPER
1.3	2	5030-0004-L	LEVER, LEFT HAND, 5030 CALIPER BRAKE
1.4	2	5029-0011	BALANCING LINK, 5029 CALIPER
1.5	2	5029-0013	PIVOT BLOCK, INNER, 5029 CALIPER
1.6	4	5029-0014	PIVOT BLOCK, OUTER, 5029 CALIPER
1.7	2	5029-0016	LINK PIN, 5029 - 5049 CALIPERS
1.8	2	5029-0021	SHOE PIN, 5029 CALIPER
1.9	2	5029-0022	SADDLE PIN, 5029 CALIPER
1.10	5	5029-0023-S	TIE ROD, 5029 SIDE MOUNTED CALIPER
1.11	1	5029-1001L	SIDE MOUNT FOOT, LEFT HAND, 5029 CALIPER
1.12	1	5029-1001R	SIDE MOUNT FOOT, RIGHT HAND, 5029 CALIPER
1.13	4	1039-0470	HITCH PIN, 1/4 X 4-1/4, STEEL
1.14	4	1039-0553	HITCH PIN, 5/16 X 4, STEEL
1.15	10	1022-0125	HEX NUT, 1-3/4"-7 UNC, 18-8
1.16	8	1501-0301	GREASE NIPPLE, 1/4-28
1.17	2	5030-0004-R	LEVER, RIGHT HAND, 5030 CALIPER BRAKE
2	2	5030-LS	SHOE ASSEMBLY, 5030 CALIPER
3	2	6136	AIR APPLIED ACTUATOR, TYPE 36
4	28	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	1	5029-0015	AIR APPLIED ACTUATOR BRACKET, 5029 CALIPER
6	4	6136-0006	CLEVIS PIN, 5029/5030
7	8	1026-0624	COTTER PIN, 5/32 x 1-1/2, SS
8	4	1001-1128	SCREW, HEX HEAD, 5/16-18 X 1.75, 18-8
9	4	1022-0111	NUT, HEX, 5/16-18 UNC, GR. 18-8

PARTS LISTING

6136 Actuator



ITEM	QTY.	PART NUMBER	6136 DESCRIPTION
1	2	6236-0002	CENTER HOUSING, SIZE 36, BRASS
2	1	1101-0269	O RING, 8 3/4 X 1/8, NBR70
3	2	6236-0001	END CAP, SIZE 36, BRASS
4	2	6136-0003	DIAPHRAM WASHER, SIZE 36
5	6	6136-0004	GUIDE PIN
6	6	1022-0212	JAM NUT, 3/8-16 NC,SS
7	2	6136-0005	CLEVIS, 7/8 DIA X 3/4 UNC
8	6	1201-0148	SPRING, COMPRESSION, 1.04 OD X 5.43 LG, SS
9	2	1105-0036	DIAPHRAGM, TYPE 36
10	12	1022-0111	NUT, HEX, 5/16 UNC, 18-8
11	12	1001-1180	SCREW, CAP, HX HD, 5/16-18 x 5, SS

Note: Parts lists are applicable to standard models only.