5025-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 uncoilers, work boats and more.

SPECIFICATIONS

PART NO.	NORMAL FORCE	ACTUATOR VOLUME
5025-A	7330 lbs [32.6 KN]	30 in^3 [491 cc]
5025-A30	10,720 lbs [47.7 KN]	49 in^3 [803 cc]

Maximum Pressure:	100 psi	[6.9 bar]
Port Size:	¼ NPT	
Temperature Range:	-40˚F...+131˚F	-40˚C...+55˚C
Disc Thickness:	4 in	[102 mm]
Minimum Disc Diameter:	25 in	[635 mm]
Maximum Disc Diameter[2]:	86 in	[2184 mm]
Pad Life:	7000 hp-hr	[5220 kw-hr]
Total Pad Area:	132 in^2	[851 cm^2]
Weight:	134 lbs	[60.8 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 7.48 in [190 mm] wide face.

8238 129th Street, Surrey, British Columbia, Canada, V3W 0A6
604.572.3935 ▪ sales@kobelt.com ▪ www.kobelt.com

SPECIFICATIONS

FOOT MOUNTED VERSION

Brake Model Code Key

5025-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

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

SIDE MOUNTED VERSION

PARTS LISTING

5025-A Caliper Brake

ITEM	QTY.	PART NUMBER	5025-A DESCRIPTION
1	1	5025-SUB	SUB-ASSEMBLY, 5025 CALIPER
1.1	1	5026-0003	SPACER, 5026 CALIPER
1.2	2	5025-0002	SADDLE, 5025 CALIPER
1.3	1	5025-0001	BRAKE FOOT, 5025 CALIPER
1.4	5	5024-0023	TIE ROD, 5024/25 CALIPERS
1.5	2	5024-0004	LEVER, 5024 CALIPER
1.6	2	5025-0011	BALANCING LINK, PIVOT END
1.7	2	5024-0026	LINK PIN, 5024 - 5026 CALIPERS
1.8	2	5024-0022	SADDLE PIN, 5024/25 CALIPERS
1.9	4	1039-0470	PIN, HAIRPIN COTTER, 1/4 X 4-1/4, STEEL
1.10	5	1022-0117	NUT, HEX, 3/4-10 UNC, Gr 18-8
1.11	4	5024-0006	PIVOT BLOCK, 5024 CALIPER
1.12	2	5024-0021	SHOE PIN, 5024/25 CALIPERS
1.13	4	1039-0352	HITCH PIN, 5/16 X4, STEEL
2	2	5025-LS	SHOE ASSEMBLY, 5025 CALIPER
2.1	1	5025-0007	LINING, 5025 CALIPER, 5/8" K5
2.2	1	5025-0005	SHOE, 5025 CALIPER
2.3	22	1033-1007	RIVET, 1/4 X 7/16 (10-7), BRASS
3	1	6120	AIR APPLIED ACTUATOR, 6120
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	6230-0010	CLEVIS PIN, 1/2" DIA
6	4	1026-0516	COTTER PIN, 1/8" X 1", SS
7	2	5025-0012	BALANCING LINK, FORK END, 5025 CALIPER
8	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
9	4	1002-1010	SHCS, 1/4-20 UNC X 5/8 LG, 18-8 SS
10	4	6130-0008	SPACER, 6130 ACTUATOR
11	4	1001-1020	SCREW, HEX HD, 1/4-20 X 1-1/4

5025-AW Caliper Brake

ITEM	QTY.	PART NUMBER	5025-AW DESCRIPTION
1	1	5025-SUB-W	SUB-ASSEMBLY, SIDE MOUNT
1.1	1	5026-0003	SPACER, 5026 CALIPER
1.2	2	5025-0002	SADDLE, 5025 CALIPER
1.3	5	5025-0023-W	TIE ROD, SIDEWALL MOUNT, 5025 CALIPER
1.4	2	5024-0004	LEVER, 5024 CALIPER
1.5	2	5025-0011	BALANCING LINK, PIVOT END
1.6	2	5024-0026	LINK PIN, 5024 - 5026 CALIPERS
1.7	2	5024-0022	SADDLE PIN, 5024/25 CALIPERS
1.8	4	1039-0470	PIN, HAIRPIN COTTER, 1/4 X 4-1/4, STEEL
1.9	10	1022-0117	NUT, HEX, 3/4-10 UNC, Gr 18-8
1.10	2	5026-0060	BRACKET, SIDEWALL MOUNT, 5025/5026
1.11	4	5024-0006	PIVOT BLOCK, 5024 CALIPER
1.12	2	5024-0021	SHOE PIN, 5024/25 CALIPERS
1.13	4	1039-0352	HITCH PIN, 5/16 X4, STEEL
2	2	5025-LS	SHOE ASSEMBLY, 5025 CALIPER
2.1	1	5025-0007	LINING, 5025 CALIPER, 5/8" K5
2.2	1	5025-0005	SHOE, 5025 CALIPER
2.3	22	1033-1007	RIVET, 1/4 X 7/16 (10-7), BRASS
3	1	6120	AIR APPLIED ACTUATOR, 6120
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	6230-0010	CLEVIS PIN, 1/2" DIA
6	4	1026-0516	COTTER PIN, 1/8" X 1", SS
7	2	5025-0012	BALANCING LINK, FORK END, 5025 CALIPER
8	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
9	4	1002-1010	SHCS, 1/4-20 UNC X 5/8 LG, 18-8 SS
10	4	6130-0008	SPACER, 6130 ACTUATOR
11	4	1001-1020	SCREW, HEX HD, 1/4-20 X 1-1/4

6120 Actuator

ITEM	QTY.	PART NUMBER	6120 DESCRIPTION
1	2	6120-0003	CENTRE HOUSING, 6120 ACTUATOR
2	2	6120-0002	END CAP, 6120 ACTUATOR
3	2	6120-0004	DIAPHRAGM WASHER, 6120 ACTUATOR
4	2	6120-0001	CLEVIS, 6120 ACTUATOR
5	6	6120-0005	GUIDE PIN, 6120 ACTUATOR
6	6	1022-0211	NUT, JAM, 5/16-18 UNC, SS
7	6	1201-0185	SPRING, COMPRESSION, .83ODX.08 WIREX4.43
8	8	1022-0110	NUT, HEX, 1/4-20 UNC, SS
9	8	1001-1056	BOLT, HX HD, 1/4-20 UNC X 3.5", SS
10	1	6120-RK	REPAIR KIT, AIR APPLIED ACTUATOR

Note: Parts lists are applicable to standard models only.