

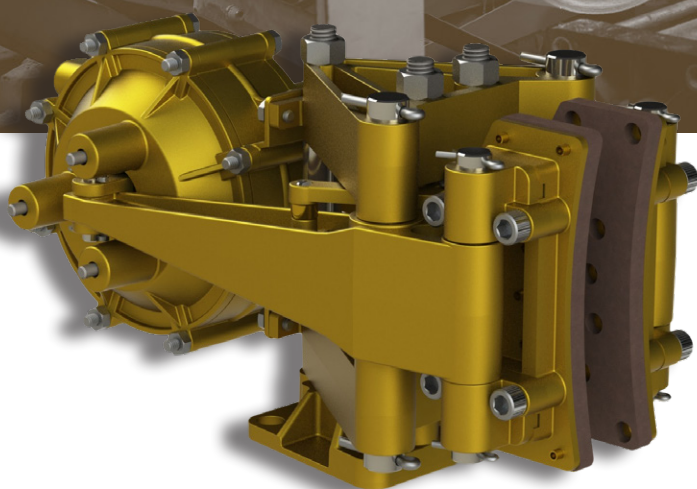
5020-A | AIR APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easy brake pad replacement

Well matched to Kobelt's standard range of 1¼" ventilated discs



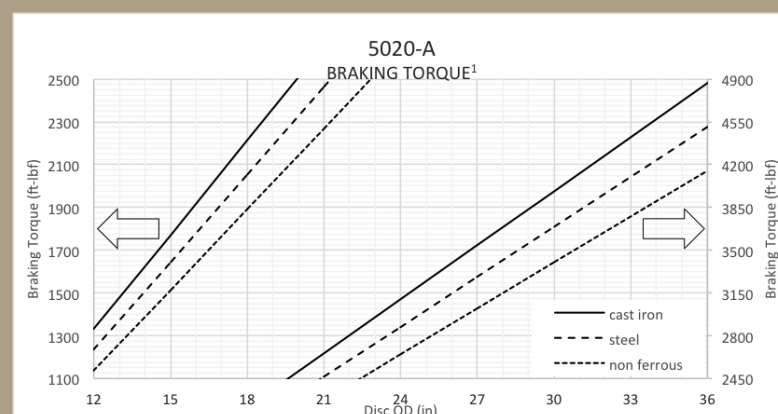
Putting you in control.

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, paper machines and more.

SPECIFICATIONS

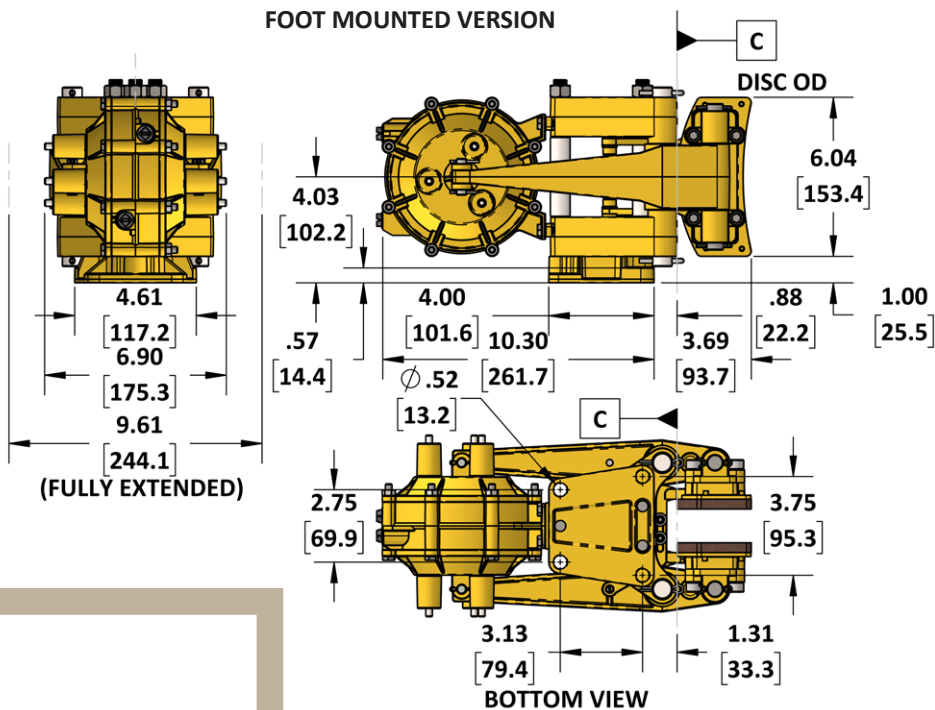
Normal Force:	0...4310 lbs	[19.2 KN]
Maximum Pressure:	100 psi	[6.9 bar]
Port Size:	¼ NPT	
Actuator Volume:	7.3 in³	[120 cc]
Temperature Range:	-40°F...+120°F -40°C...+49°C	
Disc Thickness:	1½ in	[32 mm]
Minimum Disc Diameter:	12 in	[305 mm]
Maximum Disc Diameter:	unlimited ²	
Pad Life:	310 hp-hr	[230 kw-hr]
Weight:	35 lbs	[15.9 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 2.80 in [71 mm] wide face.

SPECIFICATIONS



Brake Model Code Key

5020-A - -

Friction material

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

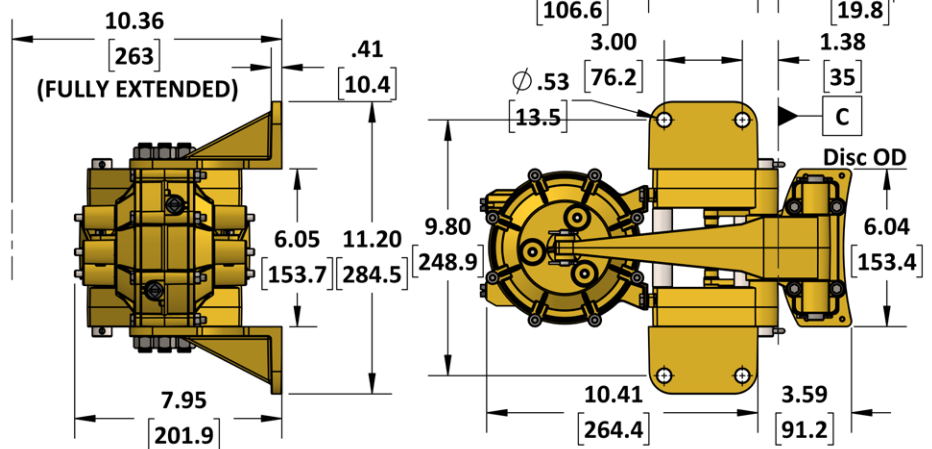
Disc thickness

(blank) = 1.250 in
100 = 1.000 in
075 = 0.750 in
050 = 0.500 in

Mounting code

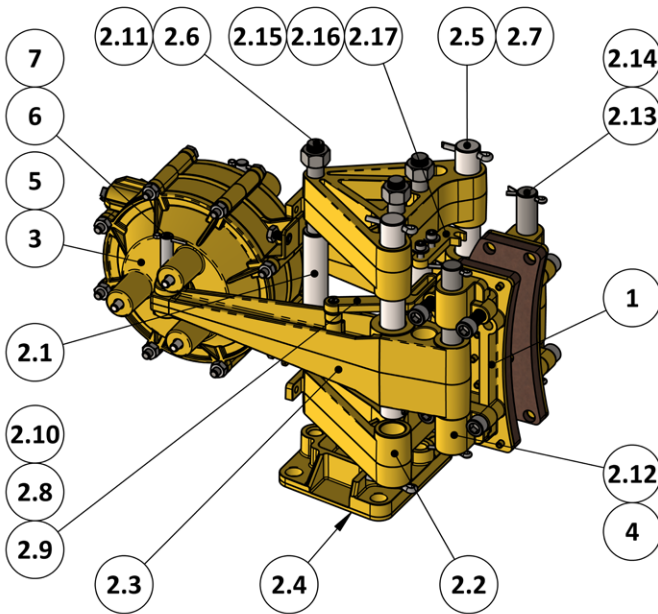
(blank) = foot mounted
W = side mounted

SIDE MOUNTED VERSION



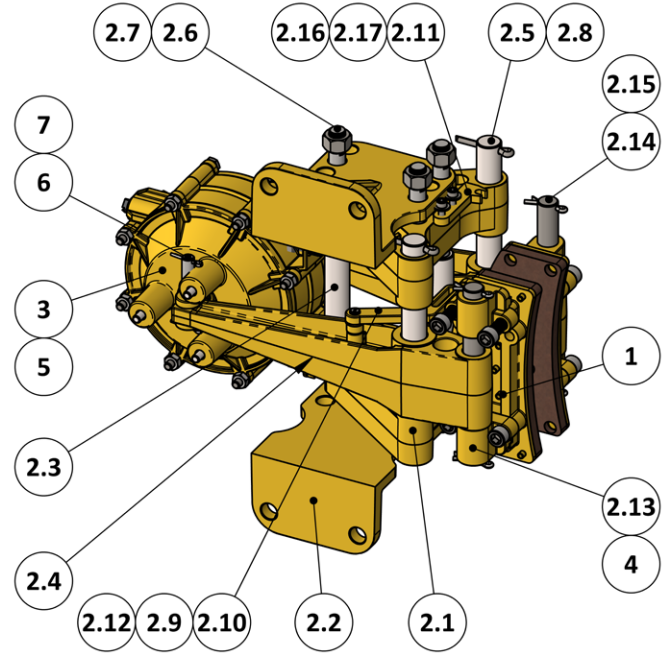
PARTS LISTING

5020-A Caliper Brake



ITEM	QTY.	PART NUMBER	5020-A DESCRIPTION
1	2	5020-LS	SHOE ASSEMBLY, 3/8IN LINER, K5
2	1	5020-SUB	SUB ASSEMBLY, 5020 CALIPER
2.1	3	5020-0003	SPACER, .75IN OD X 3.05IN LG, AISI 303
2.2	2	5020-0002	SADDLE, 5020 CALIPER
2.3	2	5021-0004	LEVER, 5021 CALIPER
2.4	1	5020-0001	BASE, 5020 CALIPER
2.5	2	5020-0022	SADDLE PIN, .75IN OD X 6.81IN LG, AISI 303
2.6	3	5020-0023	TIE ROD, 1/2-13 X 7.38IN LG, PARTIAL THREAD, 17-4PH
2.7	4	1026-0820	PIN, COTTER, 3/16IN X 1-1/4IN, 18-8 SS, ASME B18.8.1
2.8	2	5021-0126	PIN, LINK, 5/16-18 X 5/16IN OD X 1.18IN LG, AISI 303
2.9	2	5020-0011	BALANCING LINK NO.1, 5020 CALIPER
2.10	2	5020-0027	SPACER, 1/2IN OD X .272IN LG, C36000
2.11	3	1022-0114	NUT, HEX, 1/2-13, 18-8 SS, ASME B18.2.2
2.12	4	5021-0006	HINGE BLOCK, 5021
2.13	2	5021-0021	SHOE PIN, 5/8 OD X 5.58 LG, AISI 303
2.14	4	1026-0516	PIN, COTTER, 1/8IN X 1IN, 18-8 SS, ASME B18.8.1
2.15	4	1002-0810	SCREW, SOCKET HD, 10-24 X 5/8, 18-8SS
2.16	4	1023-0108	WASHER, FLAT, #10, 7/16 OD, 18-8 SS
2.17	2	5020-0012	BALANCING LINK; PART 2, 5020 CALIPER
3	1	6112	ACTUATOR, AIR APPLIED, 6112
4	8	1002-1216	SCREW, SKT HEAD, 3/8-16 X 1, 18-8 SS, ASTM F837
5	4	1001-1008	SCREW, HEX HD, 1/4-20 X 1/2IN, 18-8 SS, ASTM F593
6	2	6112-0010-L	PIN, 3/8IN OD X 1.39IN LG, AISI 303
7	4	1026-0312	PIN, COTTER, 3/32IN X 3/4IN, 18-8 SS, ASME B18.8.1

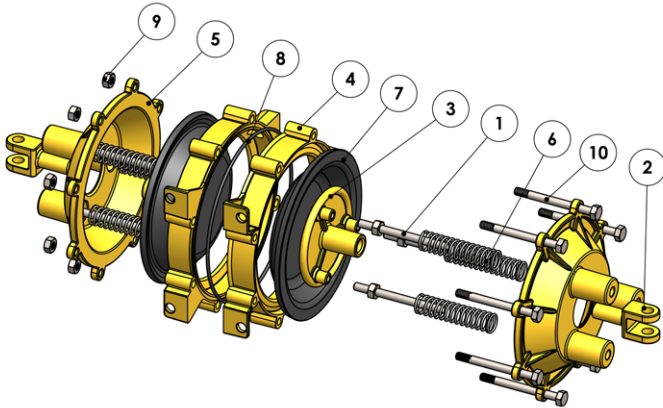
5020-AW Caliper Brake



ITEM	QTY.	PART NUMBER	5020-AW DESCRIPTION
1	2	5020-LS	SHOE ASSEMBLY, 3/8IN LINER, K5
2	1	5020-SUB-W	SUB ASSEMBLY, BRAKE CALIPER, WALL MOUNT
2.1	2	5020-0002	SADDLE, 5020 CALIPER
2.2	2	5020-0028	BRACKET; SIDE MOUNT, 5020 CALIPER
2.3	3	5020-0003	SPACER, .75IN OD X 3.05IN LG, AISI 303
2.4	2	5021-0004	LEVER, 5021 CALIPER
2.5	2	5020-0022	SADDLE PIN, .75IN OD X 6.81IN LG, AISI 303
2.6	3	5020-0023-W	TIE ROD; SIDE MOUNT CALIPER
2.7	6	1022-0114	NUT, HEX, 1/2-13, 18-8 SS, ASME B18.2.2
2.8	4	1026-0824	COTTER PIN, 3/16 x 1 1/2, 18-8
2.9	2	5021-0126	PIN, LINK, 5/16-18 X 5/16IN OD X 1.18IN LG, AISI 303
2.10	2	5020-0011	BALANCING LINK NO.1, 5020 CALIPER
2.11	2	5020-0012	BALANCING LINK; PART 2, 5020 CALIPER
2.12	2	5020-0027	SPACER, 1/2IN OD X .272IN LG, C36000
2.13	4	5021-0006	HINGE BLOCK, 5021
2.14	2	5021-0021	SHOE PIN, 5/8 OD X 5.58 LG, AISI 303
2.15	4	1026-0516	PIN, COTTER, 1/8IN X 1IN, 18-8 SS, ASME B18.8.1
2.16	4	1002-0810	SCREW, SOCKET HD, 10-24 X 5/8, 18-8SS
2.17	4	1023-0108	WASHER, FLAT, #10, 7/16 OD, 18-8 SS
3	1	6112	ACTUATOR, AIR APPLIED, 6112
4	8	1002-1216	SCREW, SKT HEAD, 3/8-16 X 1, 18-8 SS, ASTM F837
5	4	1001-1008	SCREW, HEX HD, 1/4-20 X 1/2IN, 18-8 SS, ASTM F593
6	2	6112-0010-L	PIN, 3/8IN OD X 1.39IN LG, AISI 303
7	4	1026-0312	PIN, COTTER, 3/32IN X 3/4IN, 18-8 SS, ASME B18.8.1

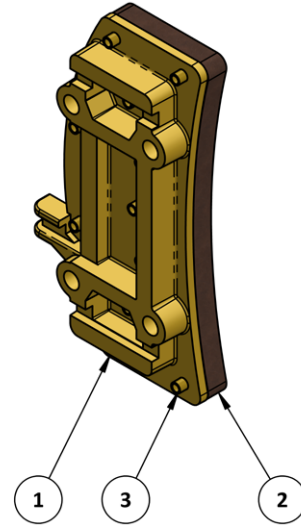
PARTS LISTING

6112 Actuator



ITEM	QTY.	PART NUMBER	6112-A DESCRIPTION
1	6	6112-0007	GUIDE PIN, 6112 ACTUATOR
2	2	6112-0005	CLEVIS, 6112 ACTUATOR
3	2	6112-0003	DIAPHRAGM WASHER, 6112 ACTUATOR
4	2	6112-0002	CENTRE HOUSING, 6112 ACTUATOR
5	2	6112-0001	END CAP, 6112 ACTUATOR
6	6	1201-0146	SPRING, COMPRESSION, .640 OD X .065 WIRE X 2.95 L
7	2	1105-0012	DIAPHRAGM, NO. 12 SIZE
8	1	1101-0161	O-RING, 5-1/2 ID X 3/32 THK, NBR70
9	14	1022-0110	HEX NUT, 1/4-20 UNC, GR18-8
10	8	1001-1044	BOLT, HX HD, 1/4-20 X 2.75, SS

5020-LS Caliper Brake



ITEM	QTY.	PART NUMBER	5020-LS DESCRIPTION
1	1	5020-0005	SHOE
2	1	5020-0007	BRAKE LINING, 3/8" K5, 5020 CALIPER
3	11	1033-0807	RIVET, BRAKE, 3/16 x 7/16

Note: Parts lists are applicable to standard models only.