

5028-H | HYDRAULIC APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easy brake pad replacement

Well matched to Kobelt's standard range of 4"x10" ventilated discs

Putting you in control.

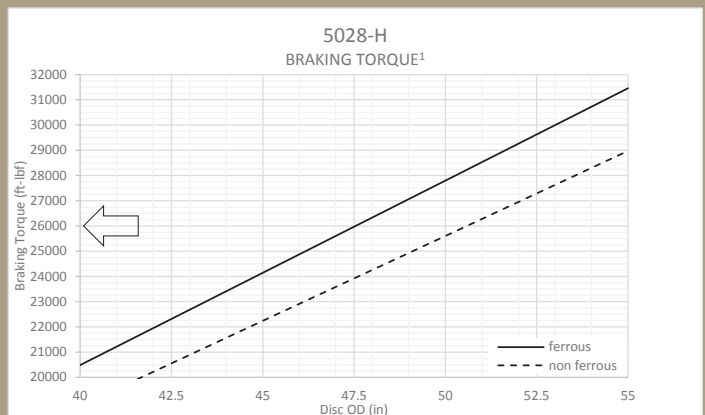
Constructed entirely of bronze and stainless steel, Kobelt's hydraulic applied disc brakes are built to last in the harshest, most corrosive conditions.

The brake features a shoe design which allows the brake pads to be easily and quickly changed while leaving the caliper in place.

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

SPECIFICATIONS

Normal Force:	0...23,100 lbs	[102.8 KN]
Maximum Pressure:	1000 psi	[69 bar]
Port Size:	-4 ORB	
Actuator Volume:	7.8 in ³	[128 cc]
Temperature Range:	-40°F...+131°F -40°C...+55°C	
Disc Thickness:	4 in	[102 mm]
Minimum Disc Diameter:	42 in	[1067 mm]
Maximum Disc Diameter:	52 in	[1321 mm]
Pad Life:	27,800 hp-hr	[20,700 kw-hr]
Total Pad Area:	374.4 in ²	[2415 cm ²]
Pad Life:	446 lbs	[202 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.

SPECIFICATIONS

Brake Model Code Key

5028-H

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

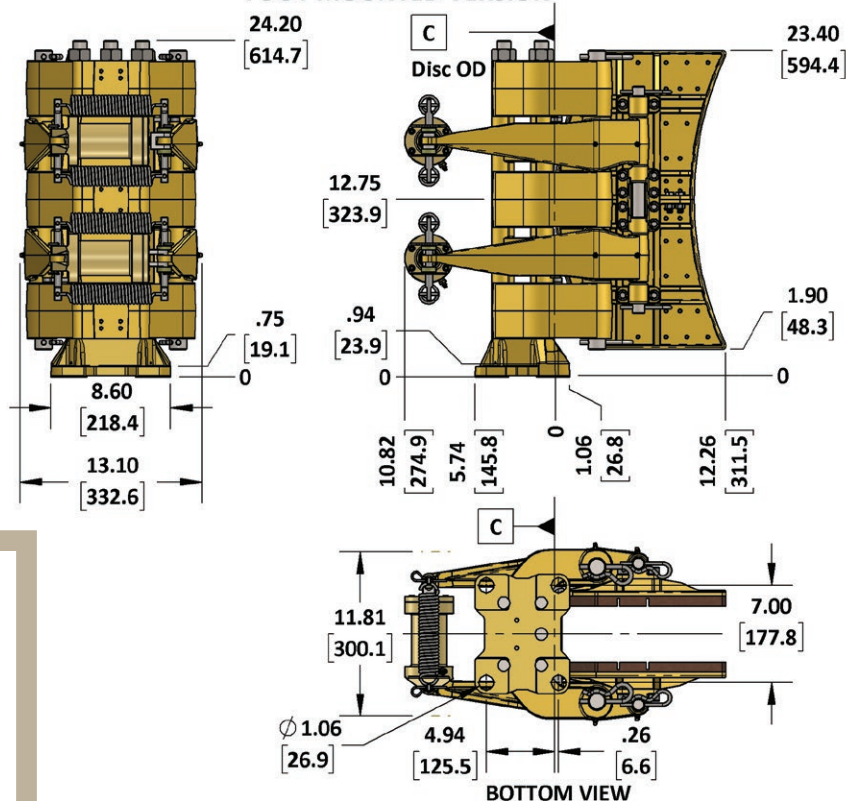
200 = 2.000 in

Mounting code

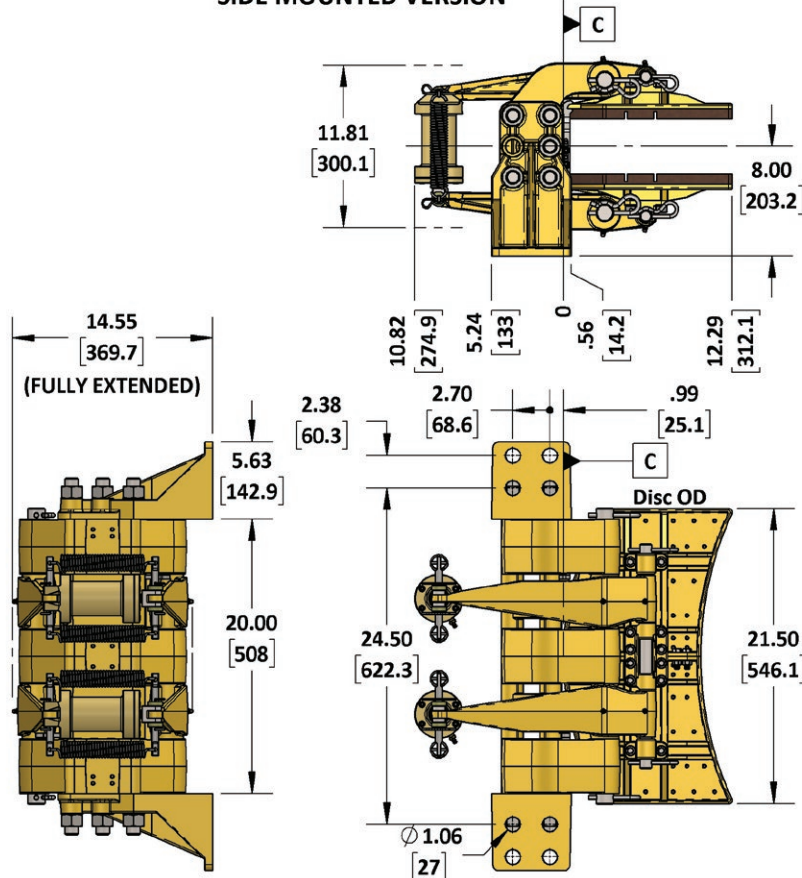
(blank) = foot mounted

W = side mounted

FOOT MOUNTED VERSION

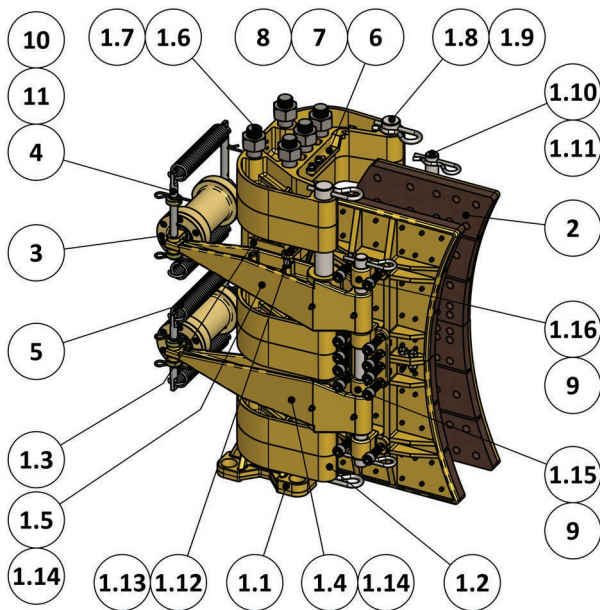


SIDE MOUNTED VERSION



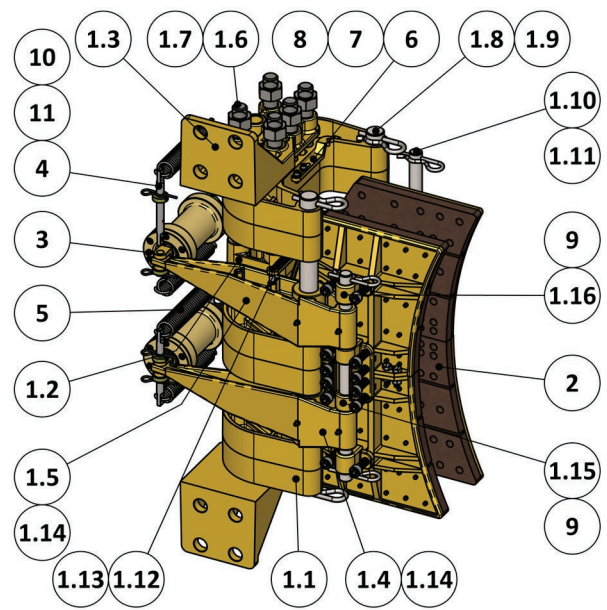
PARTS LISTING

5028-H Caliper Brake



ITEM	QTY.	PART NUMBER	5028-H DESCRIPTION
1	1	5028-SUB	SUB-ASSEMBLY, 5028 CALIPER
1.1	1	5028-0001	FOOT, 5028 CALIPER
1.2	3	5028-0002	SADDLE, 5028 CALIPER
1.3	2	5028-0003	SPACER, 5028 CALIPER
1.4	2	5028-0004L	LEVER ARM, 5028 CALIPER, LEFT
1.5	2	5028-0004R	LEVER ARM, 5028 CALIPER, RIGHT
1.6	5	5028-0023	TIE ROD, 5028 CALIPER
1.7	5	1022-0123	NUT, HEX, 1-8 UNC, ASTM F594D
1.8	2	5028-0022	MAIN PIN, 5028 CALIPER
1.9	4	1039-0553	HITCH PIN, 5/16 X 4, STEEL
1.10	2	5026-0028	PIVOT PIN, 5026/28 CALIPERS
1.11	4	1039-0470	HITCH PIN, 1/4 X 4-1/4, STEEL
1.12	2	5028-0011	BALANCING LINK NO. 2, 5028 CALIPER
1.13	2	5028-0025	BALANCING LINK PIN, 5028 CALIPER
1.14	8	1501-0301	GREASE NIPPLE, 1/4-28
1.15	2	5028-0013	PIVOT BLOCK, INNER, 5028 CALIPER
1.16	4	5028-0014	PIVOT BLOCK, OUTER, 5028 CALIPER
2	2	5028-LS	SHOE ASSEMBLY, 5028 CALIPER
3	2	6211-H	ACTUATOR ASSEMBLY, HYDRAULIC, 3000 LB
4	4	6211-0107	CLEVIS PIN, 6211 ACTUATOR
5	4	1202-1010	SPRING, EXTENSION, 1.25 OD X .156 WIRE, AISI 302, 30 TURNS
6	2	5028-0012	BALANCING LINK NO. 1, 5028 CALIPER
7	4	1002-1010	SHCS, 1/4-20 UNC X 5/8 LG, 18-8 SS
8	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
9	24	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
10	4	1023-0215	FLAT WASHER, 1/2 X 5/16, ASTM F436
11	8	1039-0238	HITCH PIN, .120 X 2 3/8, S/S

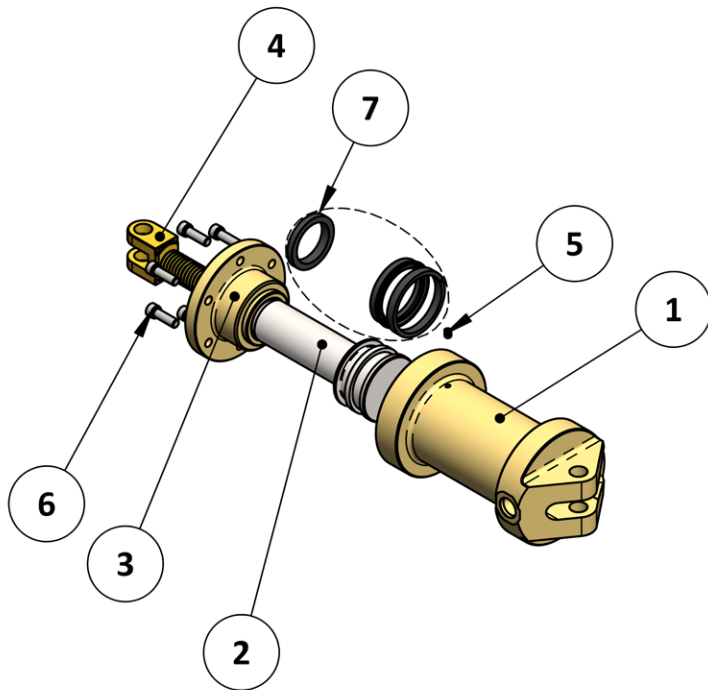
5028-HW Caliper Brake



ITEM	QTY.	PART NUMBER	5028-HW DESCRIPTION
1	1	5028-SUB-W	SUB-ASSEMBLY, 5028 CALIPER
1.1	3	5028-0002	SADDLE, 5028 CALIPER
1.2	2	5028-0003	SPACER, 5028 CALIPER
1.3	2	5028-0060	SIDE WALL MOUNT, 5028 CALIPER
1.4	2	5028-0004L	LEVER ARM, 5028 CALIPER, LEFT
1.5	2	5028-0004R	LEVER ARM, 5028 CALIPER, RIGHT
1.6	5	5028-0024	TIE ROD, 5028 CALIPER
1.7	10	1022-0123	NUT, HEX, 1-8 UNC, ASTM F594D
1.8	2	5028-0022	MAIN PIN, 5028 CALIPER
1.9	4	1039-0553	HITCH PIN, 5/16 X 4, STEEL
1.10	2	5026-0028	PIVOT PIN, 5026/28 CALIPERS
1.11	4	1039-0470	HITCH PIN, 1/4 X 4-1/4, STEEL
1.12	2	5028-0011	BALANCING LINK NO. 2, 5028 CALIPER
1.13	2	5028-0025	BALANCING LINK PIN, 5028 CALIPER
1.14	8	1501-0301	GREASE NIPPLE, 1/4-28
1.15	2	5028-0013	PIVOT BLOCK, INNER, 5028 CALIPER
1.16	4	5028-0014	PIVOT BLOCK, OUTER, 5028 CALIPER
2	2	5028-LS	SHOE ASSEMBLY, 5028 CALIPER
3	2	6211-H	ACTUATOR ASSEMBLY, HYDRAULIC, 3000 LB
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5	4	1202-1010	SPRING, EXTENSION, 1.25 OD X .156 WIRE, AISI 302, 30 TURNS
6	2	5028-0012	BALANCING LINK NO. 1, 5028 CALIPER
7	4	1002-1010	SHCS, 1/4-20 UNC X 5/8 LG, 18-8 SS
8	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
9	24	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
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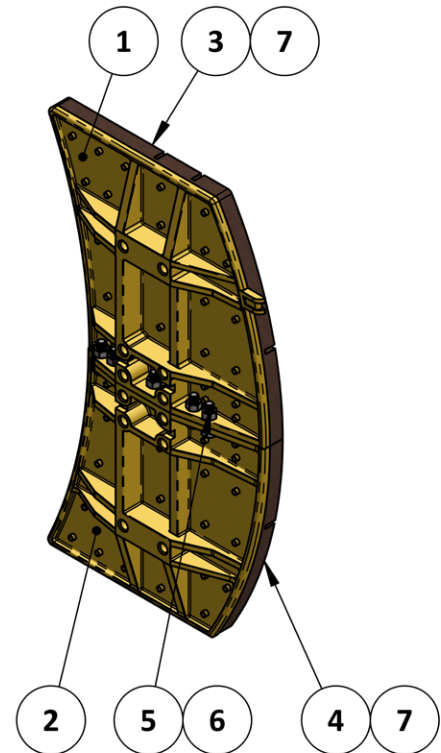
PARTS LISTING

6211-H Actuator



ITEM	QTY.	PART NUMBER	6211-H DESCRIPTION
1	1	6211-0201	CYLINDER, 6211-H
2	1	6211-0103	PISTON, 6211-H
3	1	6210-0202	CYLINDER ENDCAP, 6210-H
4	1	6230-0005	CLEVIS, 3/4 UNC X 0.50 DIA
5	1	1016-0804	SET SCREW 10-24 X 1/4, SS
6	6	1002-1012	SCREW, SCKT HD, 1/4-20 UNC X 3/4, SS
7	1	6211-RK	SEAL KIT, 6211-H ACTUATOR

5028-LS



ITEM	QTY.	PART NUMBER	5028-LS DESCRIPTION
1	1	5028-1005L	SHOE, LEFT, 5028 CALIPER
2	1	5028-1005R	SHOE, RIGHT, 5028 CALIPER
3	1	5028-0007L	LINING, LEFT, 5028, .725" K5
4	1	5028-0007R	LINING, RIGHT, 5028, 23/32" K5
5	5	1001-1220	HEX BOLT, 3/8-16 UNC X 1-1/4 GR, 18-8
6	5	1022-0112	NUT, HEX, 3/8-16, 18-8 SS
7	62	1033-1007	RIVET, 1/4 X 7/16 (10-7), BRASS

Note: Parts lists are applicable to standard models only.