

5024-H | HYDRAULIC APPLIED CALIPER DISC BRAKE

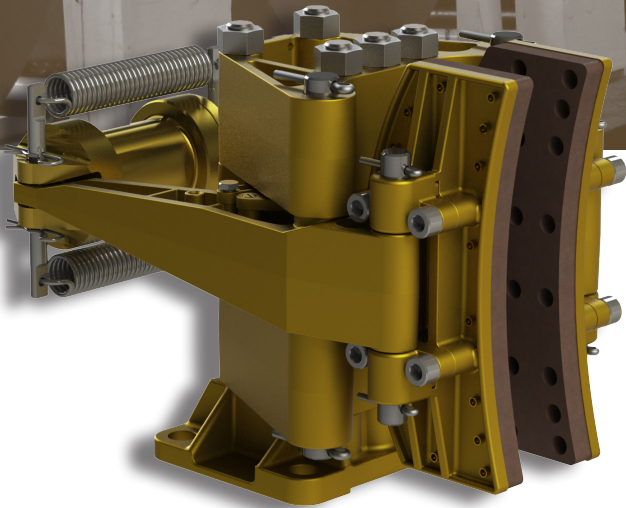


KEY BENEFITS

Bronze & stainless steel construction

Easy brake pad replacement

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



Putting you in control.

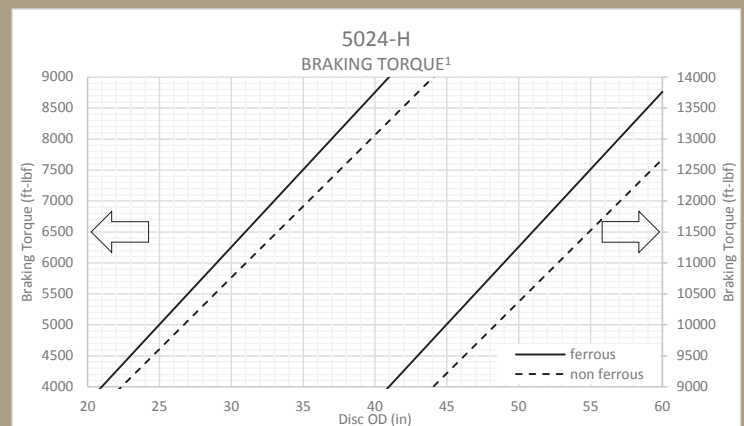
Constructed entirely of bronze and stainless steel, Kobelt's hydraulic applied disc brakes are built to last in the harshest, most corrosive conditions.

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 in the oil and gas, mining, material handling and manufacturing industries.

SPECIFICATIONS

Normal Force:	0...7900 lbs	[35.2 KN]
Maximum Pressure:	1000 psi	[69 bar]
Port Size:	-4 ORB	
Actuator Volume:	1.6 in ³	[26 cc]
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:	103 lbs	[46.7 kg]

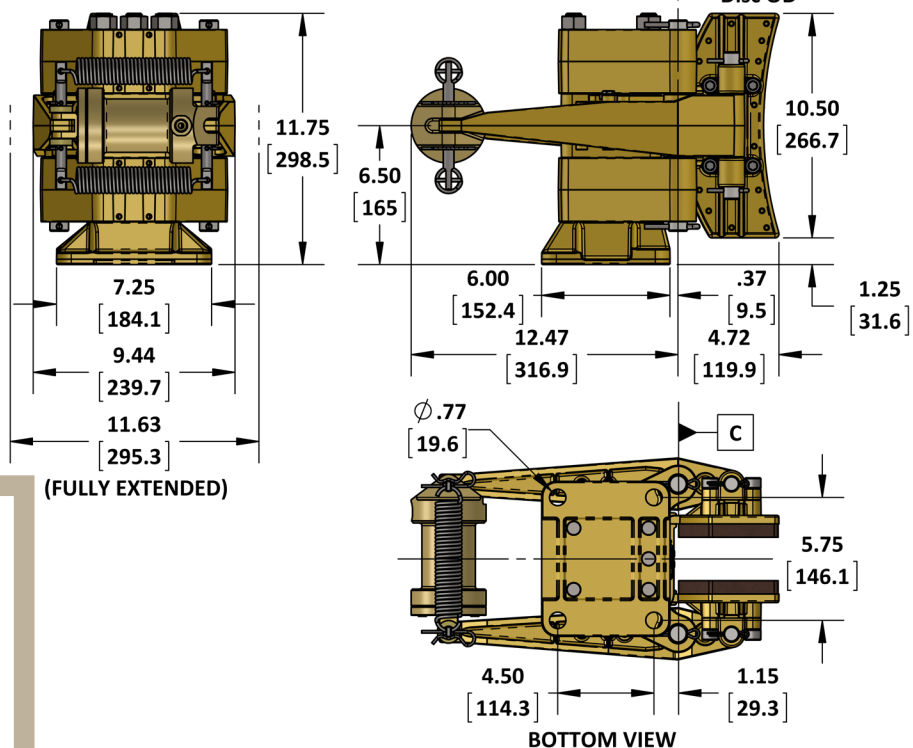


¹ Values in this chart are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C and manufactured to required specifications.

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

SPECIFICATIONS

FOOT MOUNTED VERSION



Brake Model Code Key

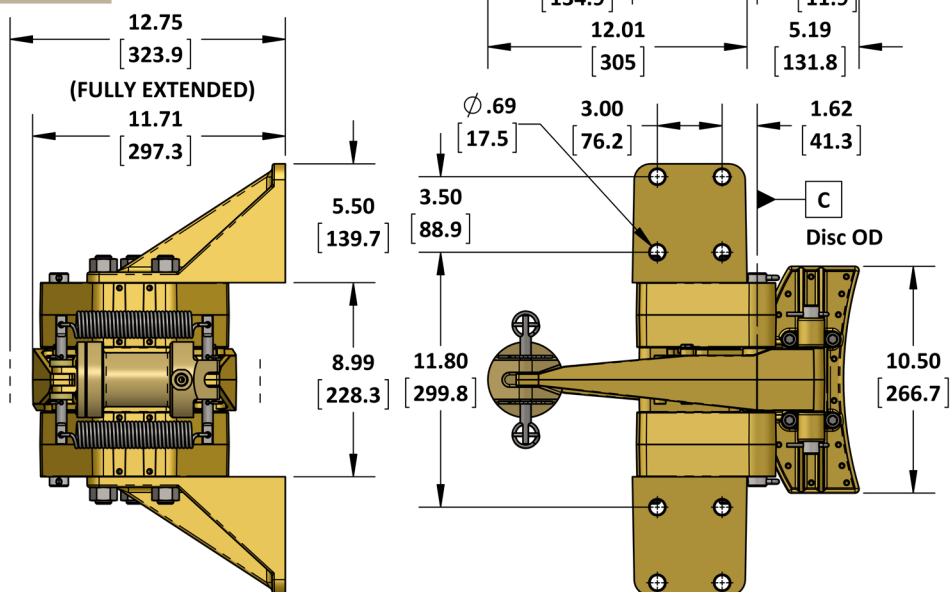
5024-H

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

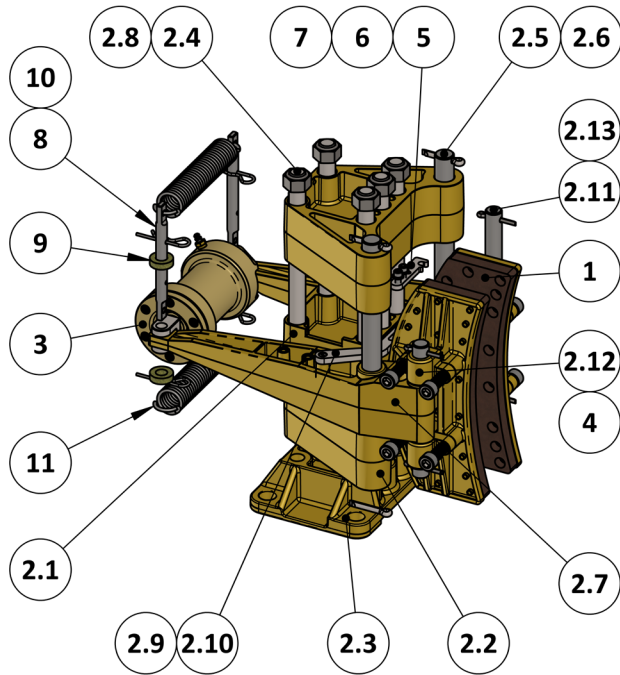
Mounting code
(blank) = foot mounted
W = side mounted

SIDE MOUNTED VERSION

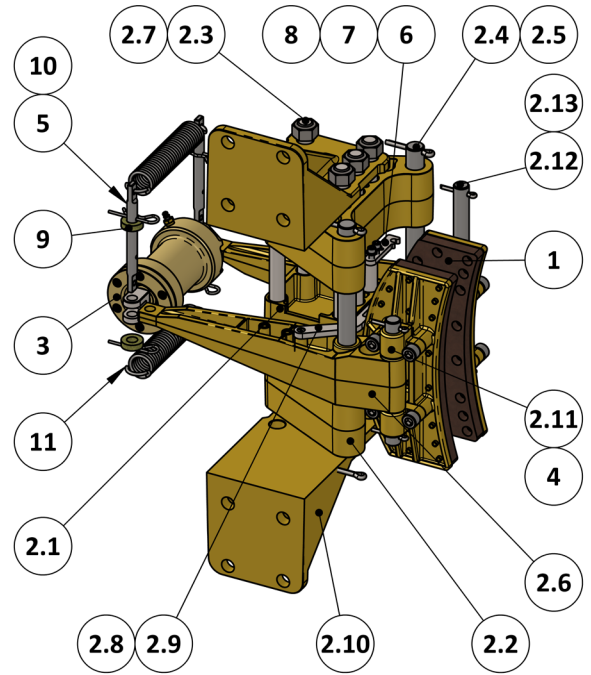


PARTS LISTING

5024-H Caliper Brake



5024-HW Caliper Brake

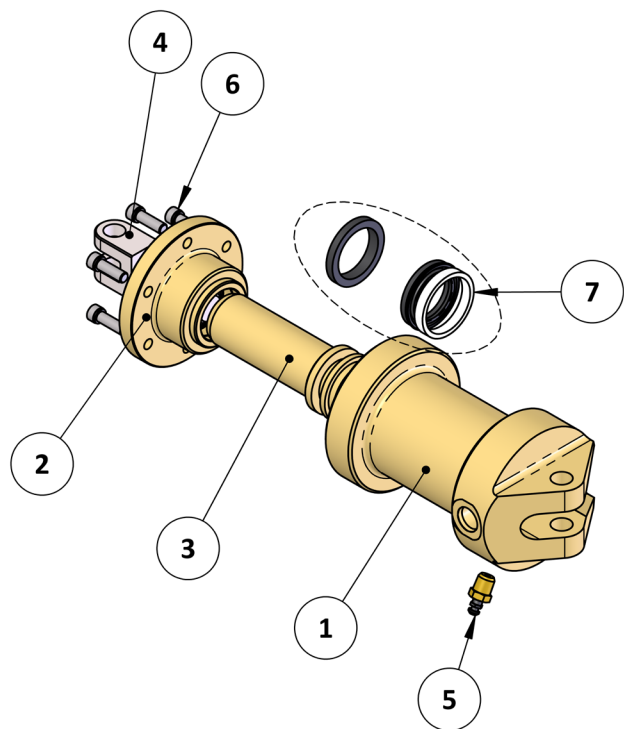


ITEM	QTY.	PART NUMBER	5024-H DESCRIPTION
1	2	5024-LS	SHOE ASSEMBLY, 5024 CALIPER, 5/8" K5
2	1	5024-SUB-A	5024 CALIPER SUB-ASSEMBLY
2.1	1	5024-0003	SPACER, 5024 CALIPER
2.2	2	5024-0002	SADDLE, 5024 CALIPER
2.3	1	5024-0001	FOOT, 5024 CALIPER
2.4	5	5024-0023	TIE ROD, 5024/25 CALIPERS
2.5	2	5024-0022	SADDLE 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, 18-8
3	1	6210-H	ACTUATOR ASSEMBLY, HYDRAULIC APPLIED
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	4	1002-1010	SCREW, SKT HD, 1/4 UNC X 5/8 LG, 18-8 SS
7	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
8	2	6211-0107	CLEVIS PIN, 6211 ACTUATOR
9	2	1023-0215	FLAT WASHER, 1/2 X 5/16, ASTM F436
10	4	1039-0238	HITCH PIN, .120 X 2 3/8, S/S
11	2	1202-1010	SPRING, EXT., 1.25ODX.156WIRE, AISI 302

ITEM	QTY.	PART NUMBER	5024-HW 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, 18-8
3	1	6210-H	ACTUATOR ASSEMBLY, HYDRAULIC APPLIED
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	6211-0107	CLEVIS PIN, 6211 ACTUATOR
6	2	5024-0012	BALANCE LINK NO. 2, 5024 CALIPER
7	4	1002-1010	SCREW, SKT HD, 1/4 UNC X 5/8 LG, 18-8 SS
8	4	1023-0216	FLAT WASHER, 1/4, TYPE B, NARROW
9	2	1023-0215	FLAT WASHER, 1/2 X 5/16, ASTM F436
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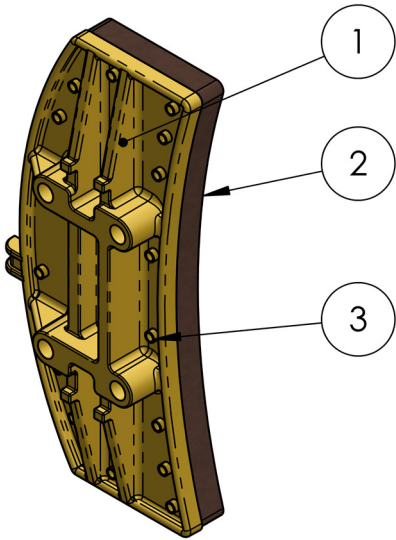
PARTS LISTING

6210-H Actuator



ITEM	QTY.	PART NUMBER	6210-H DESCRIPTION
1	1	6210-0201	CYLINDER, 6210-H ACTUATOR
2	1	6210-0202	CYLINDER ENDCAP, 6210-H
3	1	6210-0103	PISTON, 6210-H
4	1	6230-0005	CLEVIS, 3/4 UNC X 0.50 DIA
5	1	7039-5921	BLEED SCREW, 1/8 NPT
6	6	1002-1012	SCREW, CAP, SKT HD, 1/4UNC X3/4, GR 18-8
7	1	6210-H-RK	SEAL KIT, 6210-H ACTUATOR

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.