

5022-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

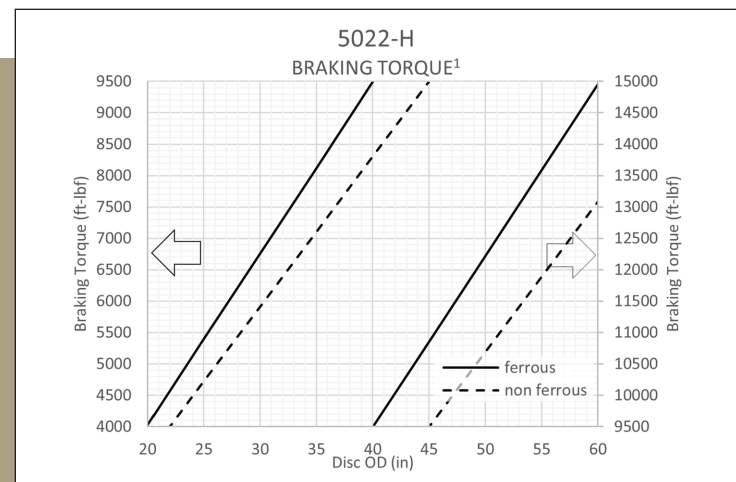
Putting you in control.

For over three decades, Kobelt has been manufacturing rugged, durable disc brakes for the oil & gas, mining, material handling and manufacturing industries. 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

	-H	-H1
Normal Force:	8190 lbs [36.4 KN]	8030 lbs [35.7 KN]
Maximum Pressure:	1000 psi [69 bar]	300 psi [21 bar]
Port Size:	-4 ORB	½ NPT
Actuator Volume:	1.2 in ³ [20 cc]	4.1 in ³ [67 cc]
Temperature Range:	-40°F ...+131°F	[-40°C ...+55°C]
Disc Thickness:	2 in	[51 mm]
Disc Diameter (min):	20 in	[508 mm]
Disc Diameter (max) ² :	60 in	[1524 mm]
Total Pad Area:	84 in ²	[542 cm ²]
Pad Life:	4275 hp-hr	[3189 kw-hr]
Weight:	81 lbs	[36.8 kg]



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

² Requires a minimum 4.34 in [110 mm] wide face.

SPECIFICATIONS

Brake Model Code Key

5022-H

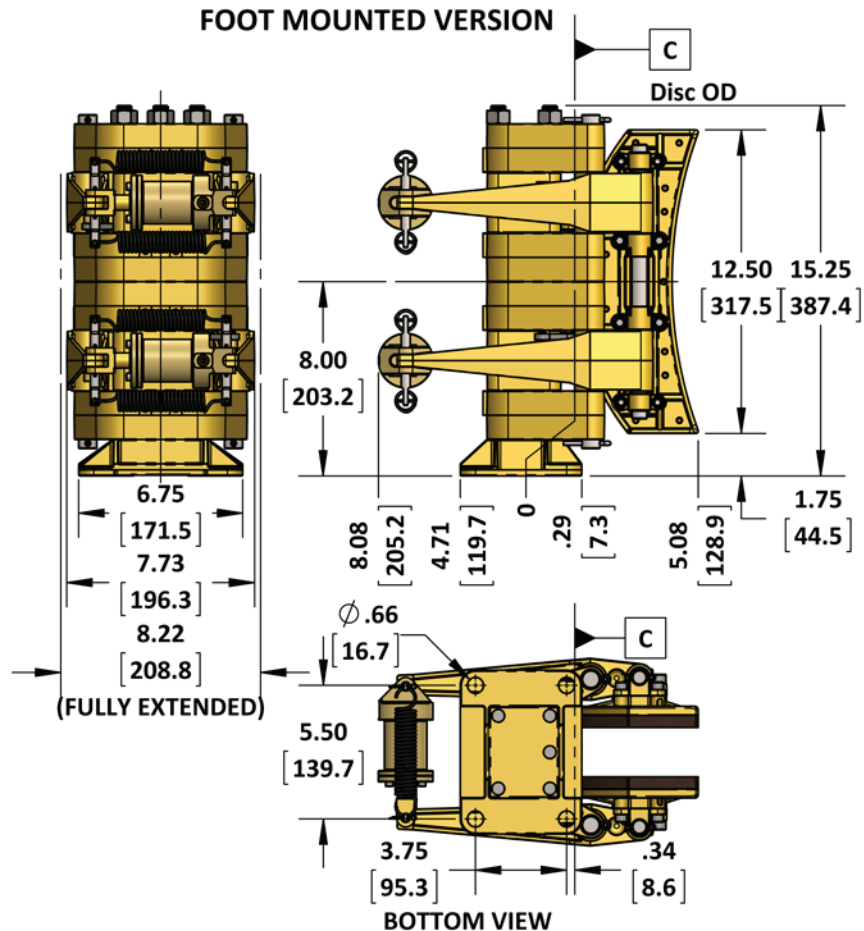
Friction material
(blank) = standard
N = non-sparking
C = low COF (.12-.15)
E = mid COF (.25-.28)

Disc thickness
(blank) = 2.000 in
175 = 1.750 in
150 = 1.500 in
125 = 1.250 in
100 = 1.000 in

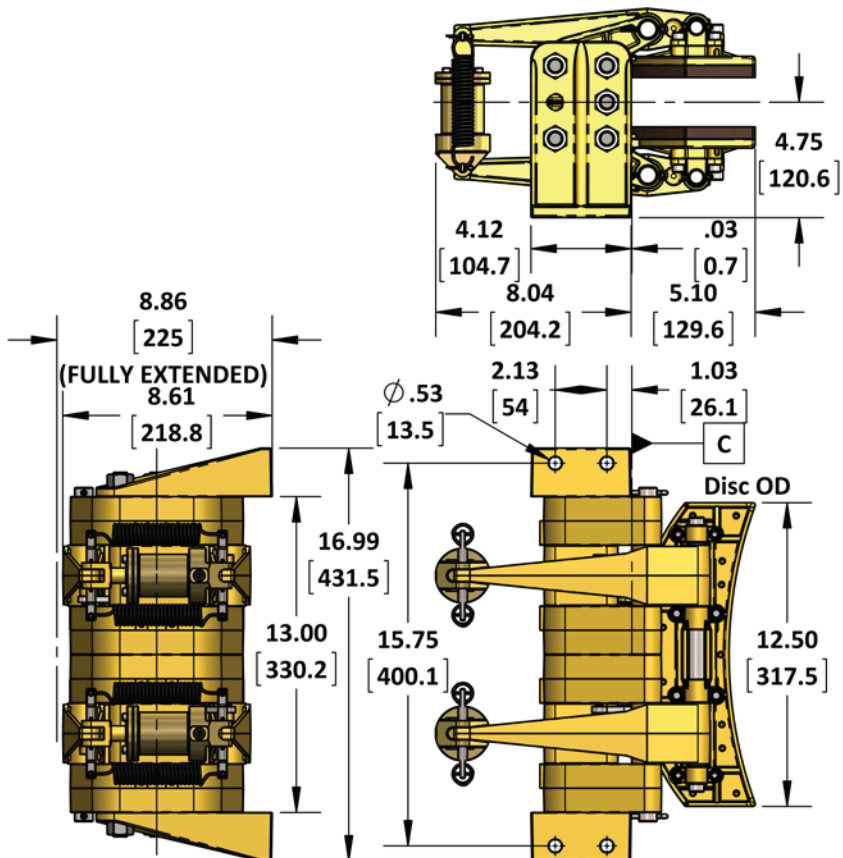
Mounting code
(blank) = foot mounted
W = side mounted

Actuator code
(blank) = 1000 psi actuator
1 = 300 psi actuator

FOOT MOUNTED VERSION

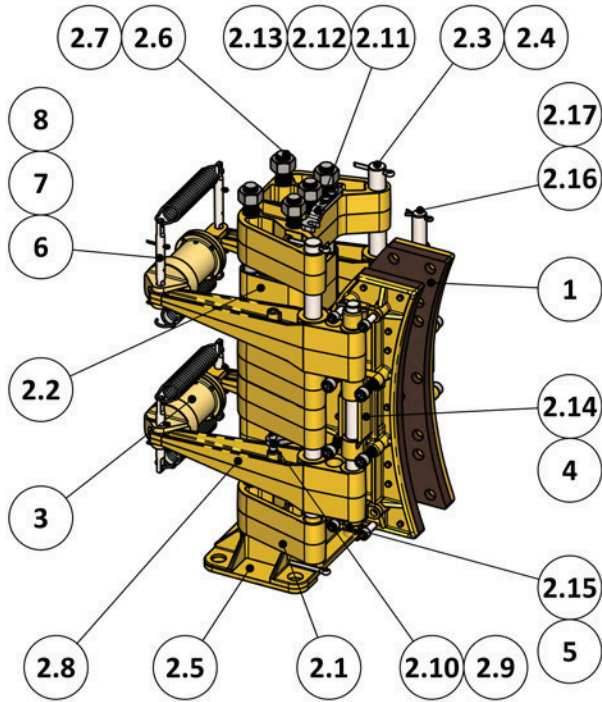


SIDE MOUNTED VERSION

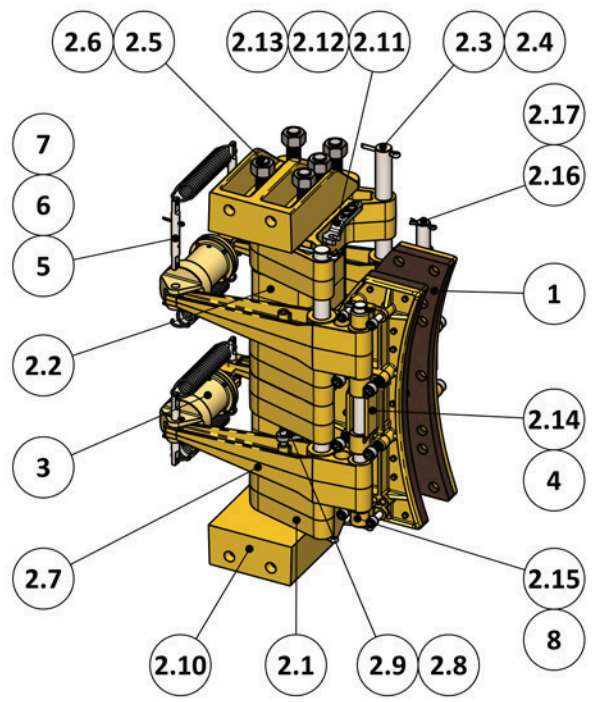


PARTS LISTING

5022-H Caliper Brake



5022-HW Caliper Brake

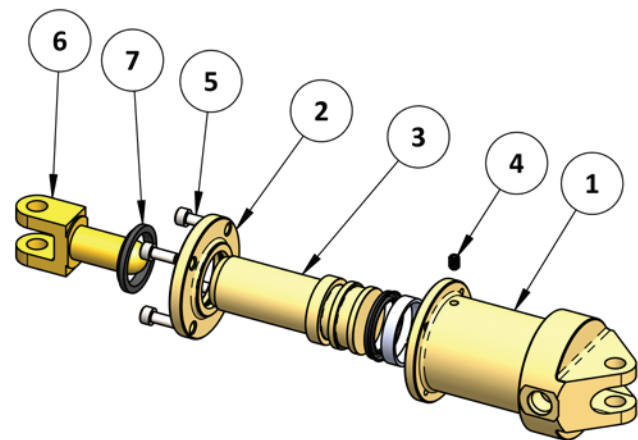


ITEM	QTY.	PART NUMBER	5022-H DESCRIPTION
1	2	5022-LS	SHOE ASSEMBLY, 5022 CALIPER, 1/2 IN K5
2	1	5022-SUB	SUB-ASSEMBLY, 5022 CALIPER
2.1	4	5021-0002	SADDLE, 5021 CALIPER
2.2	2	5021-0003	SPACER, 5021 CALIPER
2.3	2	5022-0022	SADDLE PIN, 5022 CALIPER
2.4	4	1026-0824	COTTER PIN, 3/16 x 1 1/2, 18-8
2.5	1	5021-0001	FOOT
2.6	5	5022-0023	TIE ROD, 5022 CALIPER
2.7	5	1022-0116	HEX NUT - REGULAR; 5/8-11 UNC GR 18-8
2.8	4	5021-0004	LEVER, 5021 CALIPER
2.9	2	5021-0226	LINK PIN 5/16 UNC X 7/8 LG
2.10	2	5022-0011	BALANCING LINK, PART 1, 5022 CALIPER
2.11	2	5022-0112	BALANCING LINK, PART 2, 5022 CALIPER
2.12	4	1002-0808	SCREW, SKT HD CAP, #10 UNC x 1/2 LG, SS
2.13	4	1023-0108	WASHER FLAT #10 TYPE A SS
2.14	2	5022-0013	CENTRE BEARING
2.15	4	5022-0014	OUTSIDE BEARING
2.16	2	5022-0021	SHOE PIN, 5022 CALIPER
2.17	4	1026-0516	COTTER PIN; 1/8 DIA X 1 LG. 18-8
3	2	6112-H	HYDRAULIC ACTUATOR, 1200 LBS
4	8	1002-1216	SCREW, SKT HD CAP, 3/8-16 UNC X 1, SS
5	8	1002-1112	SCREW, SKT HD, 5/16-18 X 3/4, 18-8
6	4	6112-0107	CLEVIS PIN, 6112-H ACTUATOR
7	8	1026-0312	COTTER PIN 3/32 X 3/4 SS
8	4	1202-0009	SPRING, EXTENSION, 0.83 OD X .080 WIRE, AISI 302, 14 TURNS

ITEM	QTY.	PART NUMBER	5022-HW DESCRIPTION
1	2	5022-LS	SHOE ASSEMBLY, 5022 CALIPER, 1/2 IN K5
2	1	5022-SUB-W	SUB-ASSEMBLY, 5022 CALIPER
2.1	4	5021-0002	SADDLE, 5021 CALIPER
2.2	2	5021-0003	SPACER, 5021 CALIPER
2.3	2	5022-0022	SADDLE PIN, 5022 CALIPER
2.4	4	1026-0824	COTTER PIN, 3/16 x 1 1/2, 18-8
2.5	5	5022-0023	TIE ROD, 5022 CALIPER
2.6	10	1022-0116	HEX NUT - REGULAR; 5/8-11 UNC GR 18-8
2.7	4	5021-0004	LEVER, 5021 CALIPER
2.8	2	5021-0226	LINK PIN 5/16 UNC X 7/8 LG
2.9	2	5022-0011	BALANCING LINK, PART 1, 5022 CALIPER
2.10	2	5021-0101	SIDE MOUNT BRACKET, 5021 CALIPER
2.11	2	5022-0112	BALANCING LINK, PART 2, 5022 CALIPER
2.12	4	1002-0808	SCREW, SKT HD CAP, #10 UNC x 1/2 LG, SS
2.13	4	1023-0108	WASHER FLAT #10 TYPE A SS
2.14	2	5022-0013	CENTRE BEARING
2.15	4	5022-0014	OUTSIDE BEARING
2.16	2	5022-0021	SHOE PIN, 5022 CALIPER
2.17	4	1026-0516	COTTER PIN; 1/8 DIA X 1 LG. 18-8
3	2	6112-H	HYDRAULIC ACTUATOR, 1200 LBS
4	8	1002-1216	SCREW, SKT HD CAP, 3/8-16 UNC X 1, SS
5	4	6112-0107	CLEVIS PIN, 6112-H ACTUATOR
6	8	1026-0312	COTTER PIN 3/32 X 3/4 SS
7	4	1202-0009	SPRING, EXTENSION, 0.83 OD X .080 WIRE, AISI 302, 14 TURNS
8	8	1002-1112	SCREW, SKT HD, 5/16-18 X 3/4, 18-8

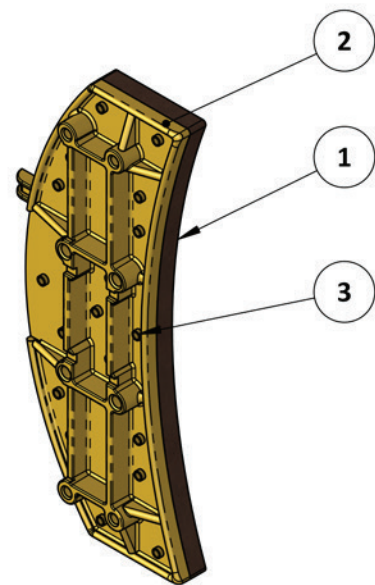
PARTS LISTING

6112-H Actuator



ITEM	QTY.	PART NUMBER	6112-H DESCRIPTION
1	1	6112-0201	CYLINDER, HYDRAULIC APPLIED ACTUATOR
2	1	6112-0202	END CAP, 6112-H ACTUATOR
3	1	6112-0103	PISTON, 6112-H ACTUATOR
4	1	1016-0804	SET SCREW 10-24 X 1/4, SS
5	4	1002-0808	SCREW, SKT HD CAP, #10 UNC x 1/2 LG, SS
6	1	6212-0005-S	CLEVIS, SHORT, 5/8 UNC X 3/8 PIN
7	1	6112-H-RK	HYDRAULIC ACTUATOR, 1200 LBS

5022-LS Caliper Brake



ITEM	QTY.	PART NUMBER	5022-LS DESCRIPTION
1	1	5022-0007	BRAKE PAD; 1/2IN K5
2	1	5022-0005	BRAKE SHOE
3	19	1033-1007	RIVET, 1/4 X 7/16 (10-7), BRASS

Note: Parts lists are applicable to standard models only.