

5025-H | HYDRAULIC APPLIED CALIPER DISC BRAKE

KEY BENEFITS

Bronze & stainless steel construction

Easily changed brake pads

Well matched to Kobelt's standard range of 4"x7" ventilated discs

Putting you in control.

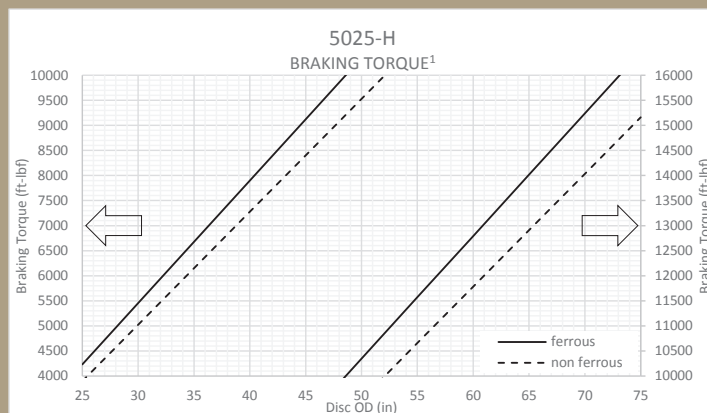
Constructed entirely of bronze and stainless steel, Kobelt's hydraulic applied disc brakes are built to last in the harshest, most corrosive conditions.

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 & gas, mining, material handling and manufacturing industries.

SPECIFICATIONS

Normal Force:	0...7720 lbs	[34.4 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:	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:	133 lbs	[60.3 kg]

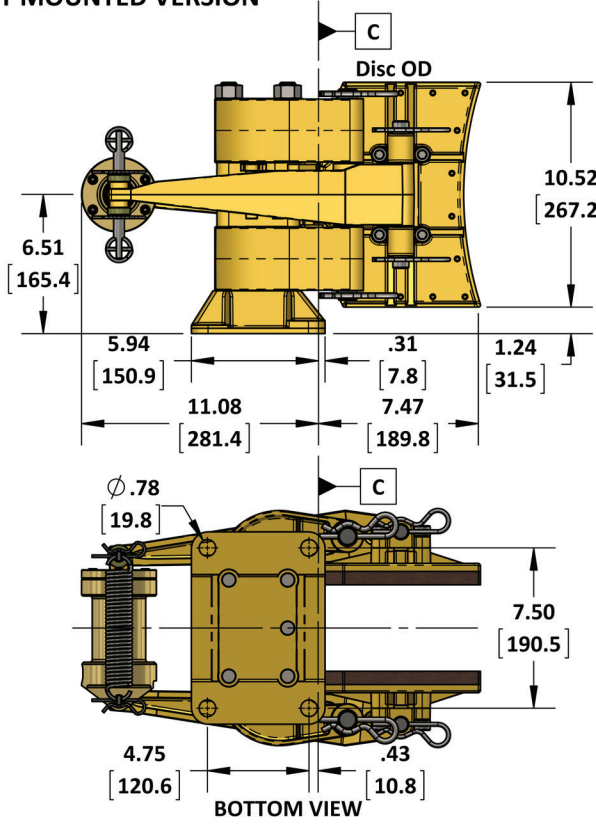
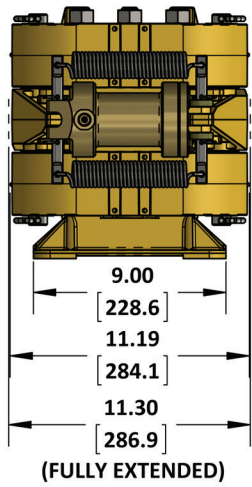


¹ Values in this chart are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C and manufactured to required specifications.

² Requires a minimum 7.48 in [190 mm] wide face.

SPECIFICATIONS

FOOT MOUNTED VERSION



Brake Model Code Key

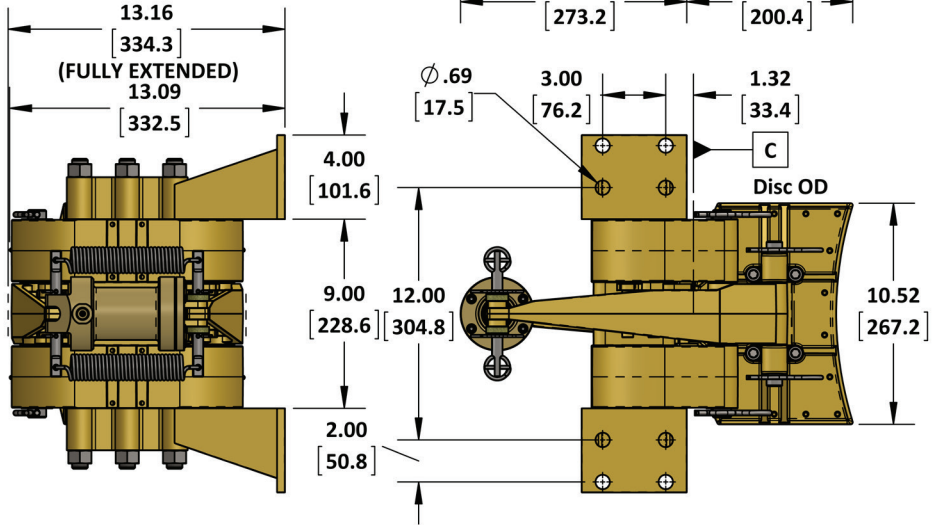
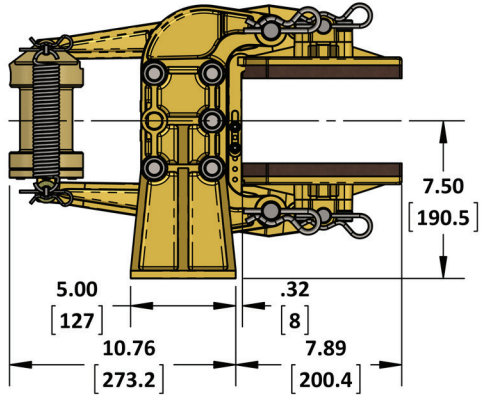
5025-H- - -

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

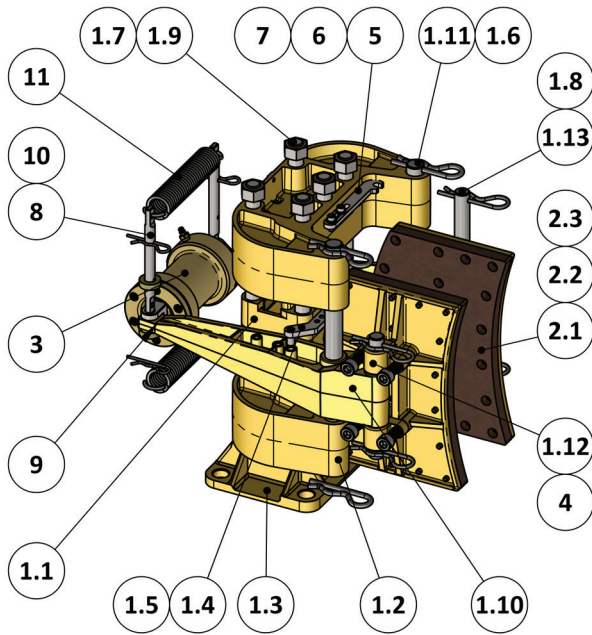
Mounting code
(blank) = foot mounted
W = side mounted

SIDE MOUNTED VERSION

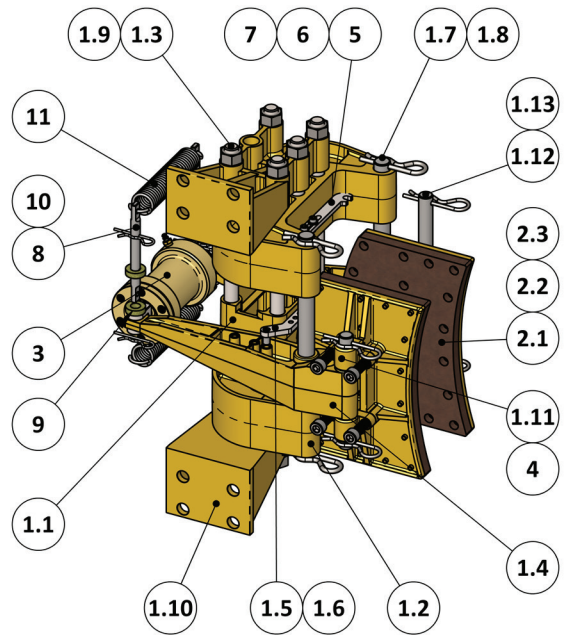


PARTS LISTING

5025-H Caliper Brake



5025-HW Caliper Brake

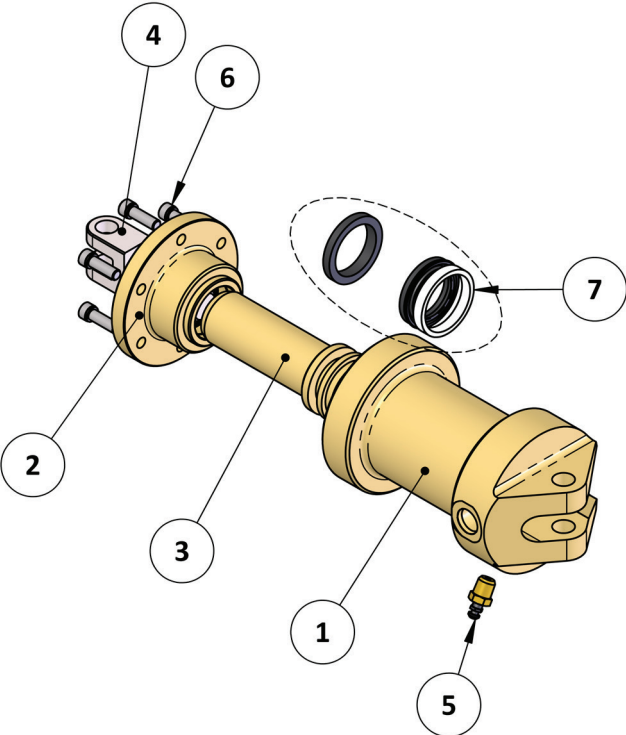


ITEM	QTY.	PART NUMBER	5025-H DESCRIPTION
1	1	5025-SUB	SUB-ASSEMBLY, 5025 CALIPER
1.1	1	5026-0003	SPACER, 5026 CALIPER
1.2	2	5025-0002	SADDLE, 5025 CALIPER
1.3	1	5025-0001	BRAKE FOOT, 5025 CALIPER
1.4	2	5025-0011	BALANCING LINK, PIVOT END
1.5	2	5024-0026	LINK PIN, 5024 - 5026 CALIPERS
1.6	4	1039-0470	PIN, HAIRPIN COTTER, 1/4 X 4-1/4, STEEL
1.7	5	1022-0117	NUT, HEX, 3/4-10 UNC, Gr 18-8
1.8	4	1039-0352	HITCH PIN, 5/16 X4, STEEL
1.9	5	5024-0023	TIE ROD, 5024/25 CALIPERS
1.10	2	5024-0004	LEVER, 5024 CALIPER
1.11	2	5024-0022	SADDLE PIN, 5024/25 CALIPERS
1.12	4	5024-0006	PIVOT BLOCK, 5024 CALIPER
1.13	2	5024-0021	SHOE PIN, 5024/25 CALIPERS
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	6210-H	ACTUATOR ASSEMBLY, HYDRAULIC APPLIED
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	5025-0012	BALANCING LINK, FORK END, 5025 CALIPER
6	4	1002-1010	SHCS, 1/4-20 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	5025-HW 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	6210-H	ACTUATOR ASSEMBLY, HYDRAULIC APPLIED
4	8	1002-1420	SCREW, SKT HD, 1/2-13 UNC X 1-1/4, SS
5	2	5025-0012	BALANCING LINK, FORK END, 5025 CALIPER
6	4	1002-1010	SHCS, 1/4-20 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

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

Note: Parts lists are applicable to standard models only.