

5029-SH | SPRING APPLIED / HYDRAULIC RELEASED CALIPER DISC BRAKE

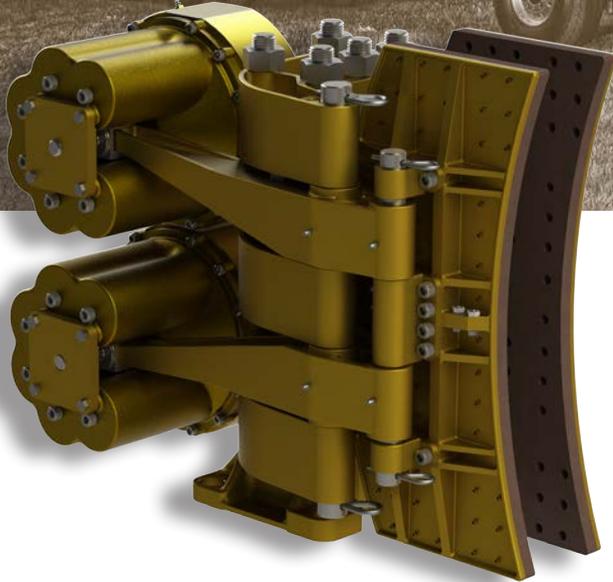


KEY BENEFITS

Bronze & stainless steel construction

Rapid brake pad change out

Well matched to Kobelt's standard range of 4"x 10" ventilated discs



Putting you in control.

Constructed entirely of bronze and stainless steel, Kobelt's spring 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 parking or emergency braking duty on hoists, winches and more.

SPECIFICATIONS

PART NO.	NORMAL FORCE ¹	PRESSURES	
		RELEASE	HOLD-OFF
5029-SH80	30,650 lbs [136 kN]	900 psi [62 bar]	700 psi [49 bar]
5029-SH70	26,590 lbs [89.8 kN]	760 psi [52 bar]	590 psi [41 bar]
5029-SH	21,710 lbs [89.8 kN]	1260 psi [87 bar]	830 psi [57 bar]

Maximum Pressure: 2000 psi [138 bar]

Port Size: -8 ORB

Actuator Volume: 14.7 in³ [241 cc]

Temperature Range: -40°F...+131°F
-40°C...+55°C

Disc Thickness: 4 in [102 mm]

Max Running Clearance: .08 in [2.0 mm]

Minimum Disc Diameter: 60 in [1524 mm]

Maximum Disc Diameter: 74 in [1880 mm]

Weight: 771 lbs [350 kg]

¹Torque:

$$T_B = 2F_N\mu \left(\frac{OD-12.0}{24} \right)$$

Where:

T_B = brake torque (ft-lbf)

F_n = normal force (lbf)

μ = coefficient of friction

= 0.38 (ferrous)

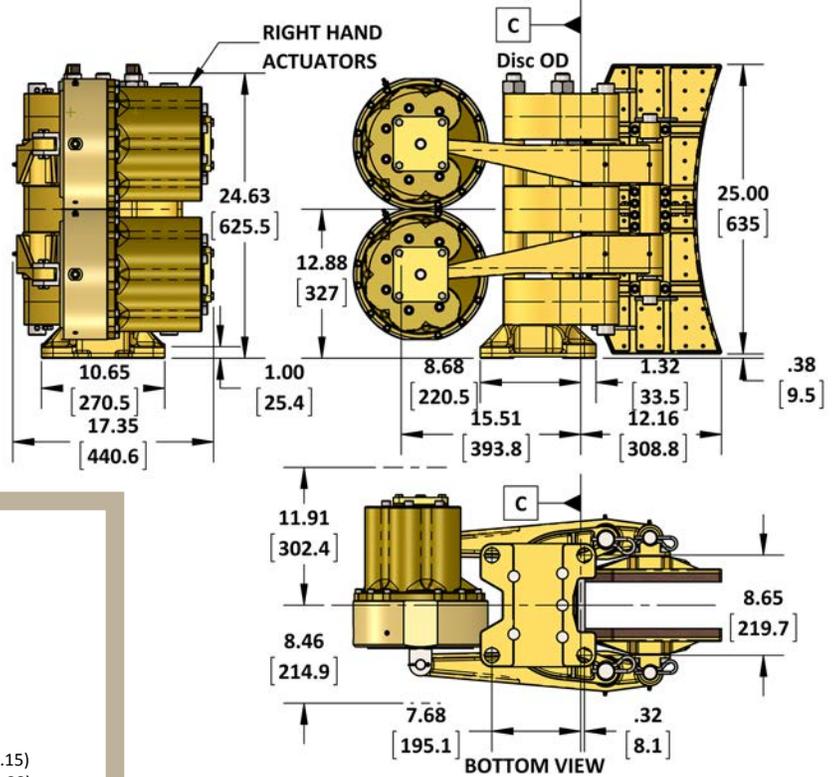
= 0.35 (nonferrous)

Friction values are theoretical and for reference only. They are based on properly bedded and burnished linings acting on a rotor at 20°C, manufactured to required specifications.

OD = brake disc diameter (in)

SPECIFICATIONS

FOOT MOUNTED VERSION



Brake Model Code Key

5029- [] - [] - [] - [] - []

Added options
LS = limit switch

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

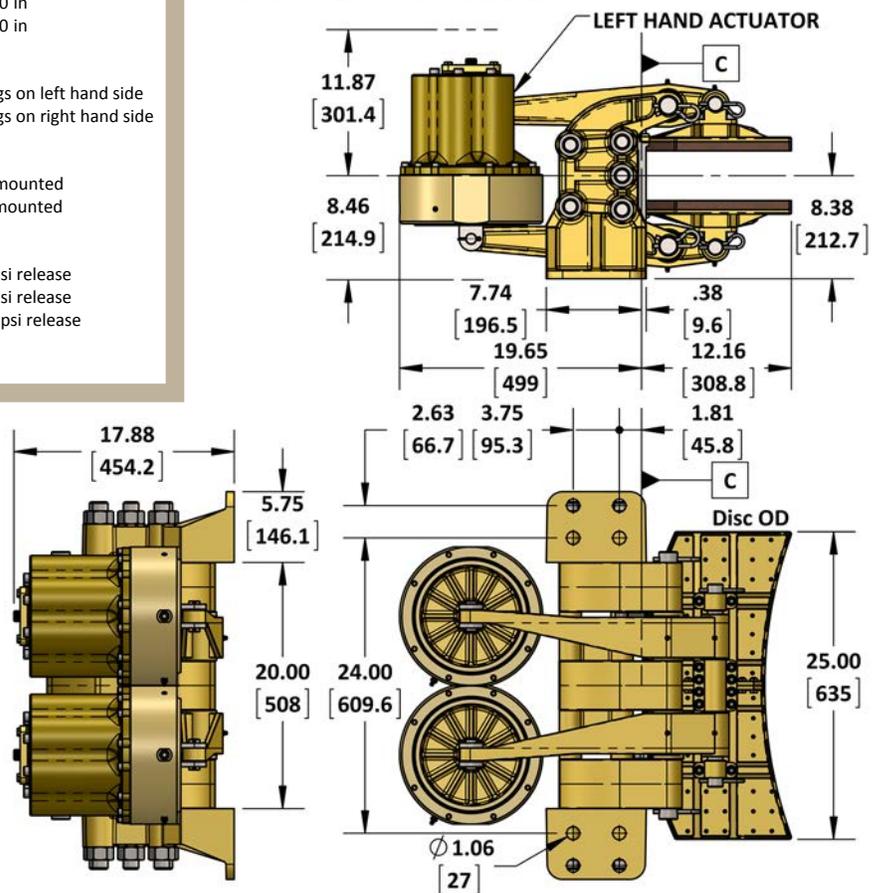
Disc thickness
(blank) = 4.000 in
350 = 3.500 in
300 = 3.000 in
250 = 2.500 in
200 = 2.000 in

Actuator handing
LH = springs on left hand side
RH = springs on right hand side

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

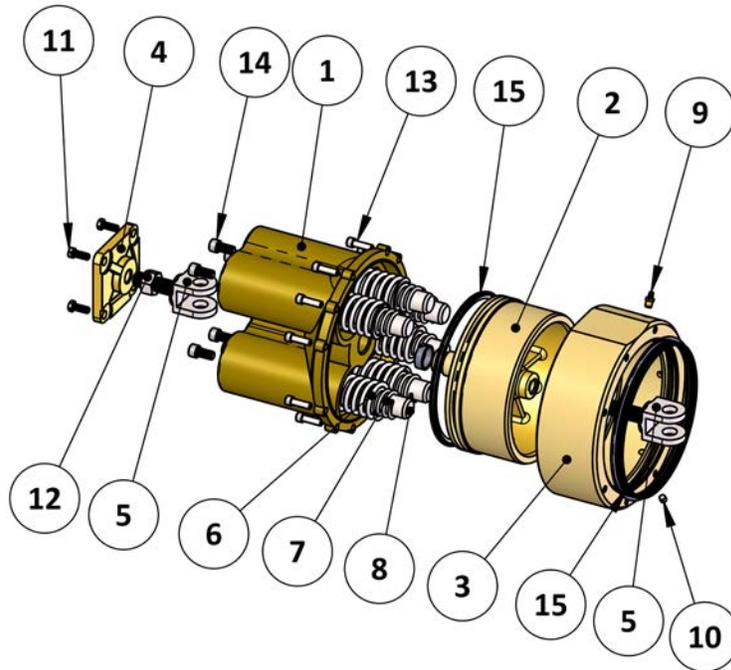
Actuator code
SH80 = 900 psi release
SH70 = 760 psi release
SH = 1260 psi release

SIDE MOUNTED VERSION



PARTS LISTING

6237-H Actuator



ITEM	QTY.	PART NUMBER	6237-H DESCRIPTION
1	1	6238-0001	SPRING POT, 6238 ACTUATOR
2	1	6242-0002	PISTON, SPRING ACTUATOR
3	1	6242-0001	CYLINDER, SPRING ACTUATOR
4	1	6242-0003	BRACKET, CLEVIS, 7/8 UNC
5	2	6242-0005	CLEVIS, 7/8" DIA.
6	6	1201-0233	SPRING, COMPRESSION, 2.35 OD
7	6	1201-0232	SPRING, COMPRESSION, 1.70 OD
8	6	6242-0006	SPRING GUIDE, 6237 ACTUATOR
9	1	7039-5921	BLEED SCREW, 1/8 NPT
10	1	7039-5671	PLUG, 1/8 NPT, SKT HD, S/S
11	4	1001-1216	SCREW, CAP, HEX HD, 3/8-16 UNC X 1, SS
12	1	1041-10088	HN, 7/8-9 UNC, GR 5
13	12	1002-1220	SCREW, SKT HD, 3/8-16 UNC X 1-1/4, SS
14	6	1002-1416	SCREW, SKT HD, 1/2-13 x 1, SS
15	1	6237-H-RK	SEAL KIT, 6237-H ACTUATOR

Note: Parts lists are applicable to standard models only.