

◀ CALIPER BRAKES

“Air Champ”

**BC MODEL SPRING ACTUATED CALIPER BRAKES**

BC Model Caliper Brakes provide:

- ▶ Static Torque capacity up to 5300 In. Lbs. with 24 inch disc
- ▶ Spring Actuated
- ▶ Caliper spacing is adjustable to fit .188 to 1.500 inch wide rotating discs and linear traveling devices
- ▶ Optional discs available from 16 to 24 inch diameter
- ▶ Disc Speeds up to 2800 rpm
- ▶ **QD Bushing** compatible, for shaft sizes up to 3.875 inches
- ▶ Adjustable shoe provides greater facing life
- ▶ Spring engaged with manual release
- ▶ Facing adjustment allows full torque capacity throughout facing use

The Disc must be ordered separately. QD Bushing is customer furnished.

**NOTE:** Torque values for spring applied brakes will vary over the life of the brake as a function of spring force and the burnishing process of the lining. Over the life of the linings, torque values may exceed published values by up to 40%.

▶ **BC MODEL, SPRING ACTUATED CALIPER BRAKE**

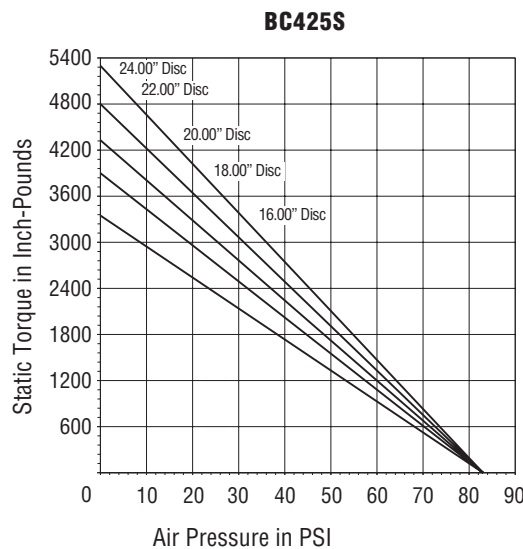
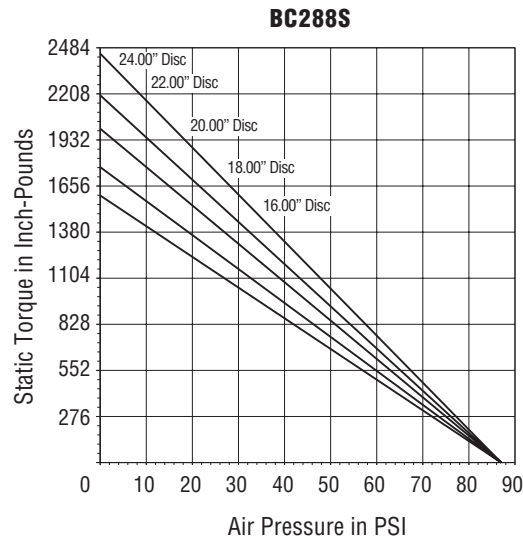
Model	Product Number	MIN Disengage Air Pressure	Shipping Wt. (Lbs)
BC288S	835220	87 PSI	19
BC425S	835230	83 PSI	34

▶ **DISC & QD BUSHING OPTIONS**

Discs must be ordered separately. QD Bushings are customer furnished. For additional Disc details, see pages 174 and 175. Bushings fit into the bore of the brake disc hub, changing the bore to the size needed.

**Caution:** QD Bushings must be capable of carrying the torque produced by the caliper brake and disc selected. Check with the QD Bushing manufacturer for bushing torque ratings.

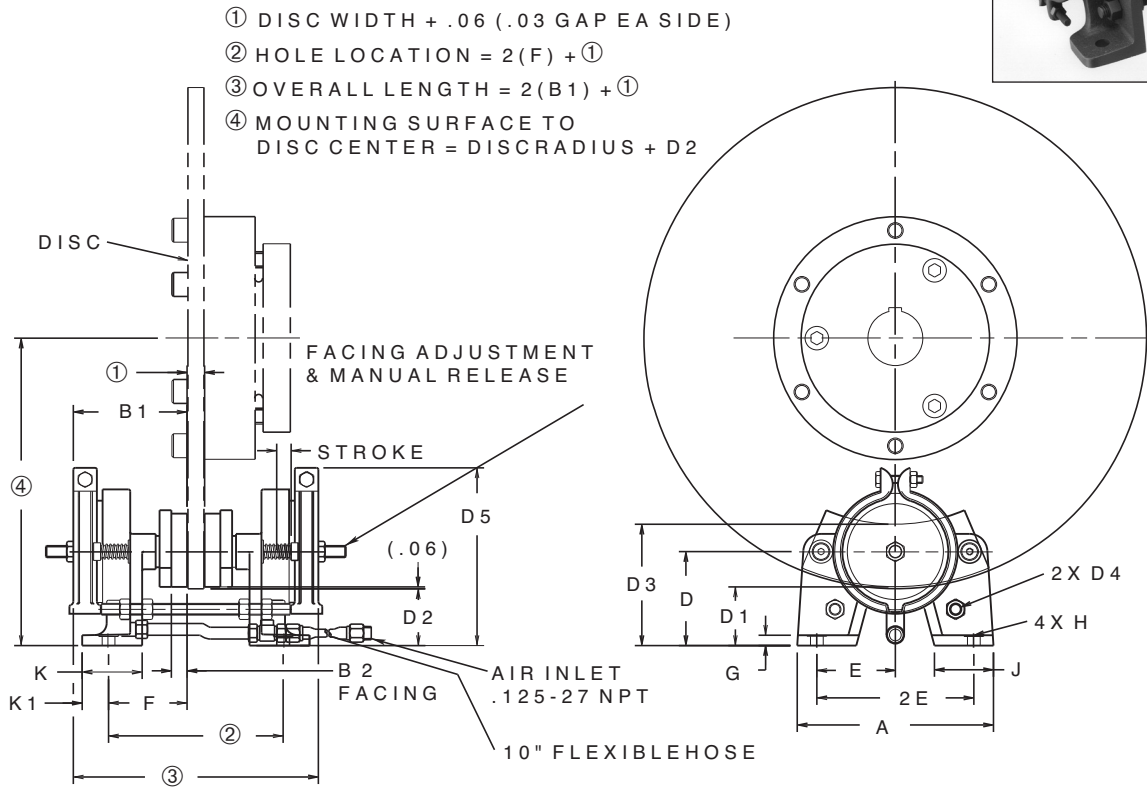
▶ **TORQUE VS. AIR PRESSURE**



**NOTE:** Dynamic torque is approximately 85% of static torque.

**BC MODEL SPRING ACTUATED CALIPER BRAKES - APPROXIMATE DIMENSIONS (INCHES)**

**BC288S & BC425S**



MODEL	PRODUCT NUMBER	A	B1	B2	D	D1	D2	D3	D4	D5	E	2E	F	G	H	J	K	K1	STROKE
BC288S	835220	6.25	4.50	0.50	3.00	1.87	1.81	3.87	.375-16 x 6.00	5.75	2.50	5.00	2.56	0.33	.406	1.88	1.91	0.84	0.44
BC425S	835230	8.00	5.12	0.50	3.81	2.56	2.50	4.56	.500-13 x 6.00	7.31	3.25	6.50	2.90	0.44	.531	2.03	2.32	0.94	0.38