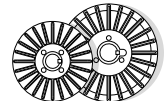


**CS-Series**

Compact Single Disc Brakes



CS100 CS130

**Montalvo CS-Series Compact Single Disc Brakes**

TSC™ System Component →TS

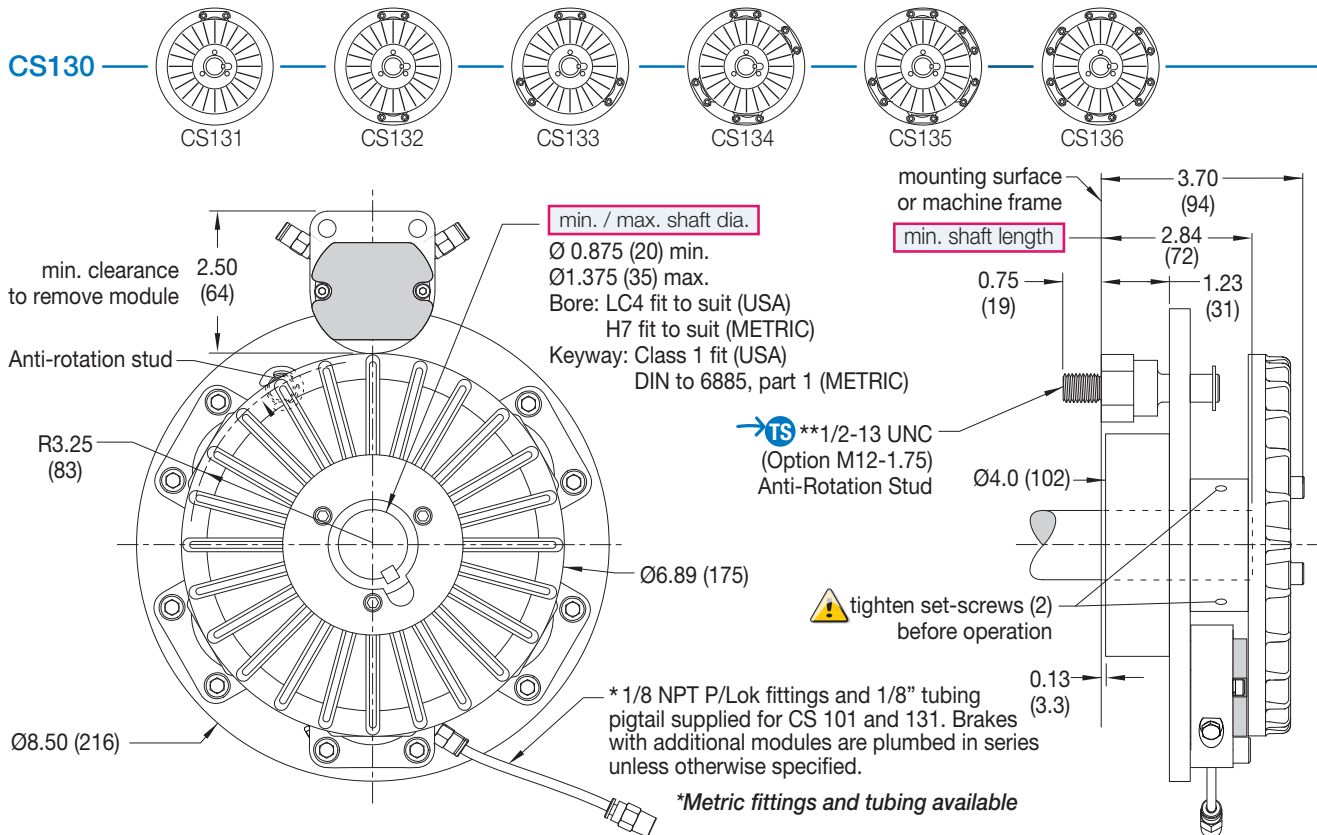
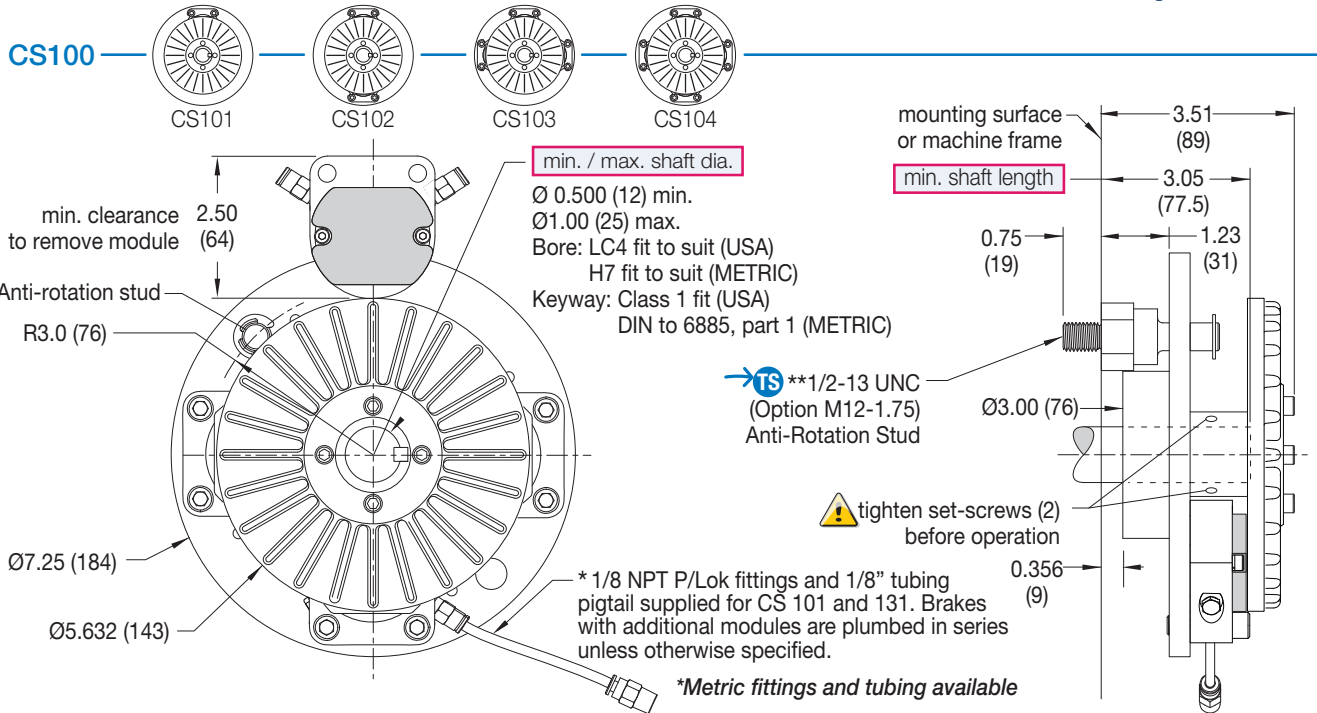
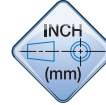
Small size and light duty output makes these web tension brakes ideal for printing applications.

**Features**

- ▶ **Ideal for web presses and narrow webs**
  - Flexopresses
  - Slitters / Rewinders
  - Label Presses and Die Cutters
- ▶ **High capacity, low inertia**
  - Eliminate residual drag
  - Run wider variety of webs
- ▶ **Choose from 2 torque ranges**
  - CS100 to 300 in-lb
  - CS130 to 600 in-lb
- ▶ **Versatile C Series Friction Module**
  - Can be configured for customer supplied dual disc, single disc, and caliper disc brakes
- ▶ Compatible with Montalvo's **TS** Torque Sensor →TS and the Montalvo **TSC™** Open Loop Torque Control System

# CS-Series

Compact Single Disc Brakes



→TS \*\*A TS Torque Sensor can replace the Anti-Rotation Stud. See TS datasheet and manual for sizing, mounting and calibration instructions.

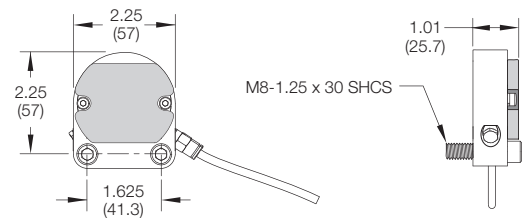
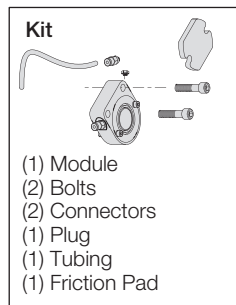
### CS Friction Module Options

Add or replace a module

**Friction module kit\*** ..... Ordering Part #  
 For brake modules with 1/8 NPT air fittings  
 CS 100 brake ..... 10001860  
 CS 130 brake ..... 10001860

For brake modules with M4 air fittings  
 CS 100 brake ..... 10002059  
 CS 130 brake ..... 10002059

\* Kit includes one standard 4512 pad (many other types available - call or visit website for more details).



# CS-Series

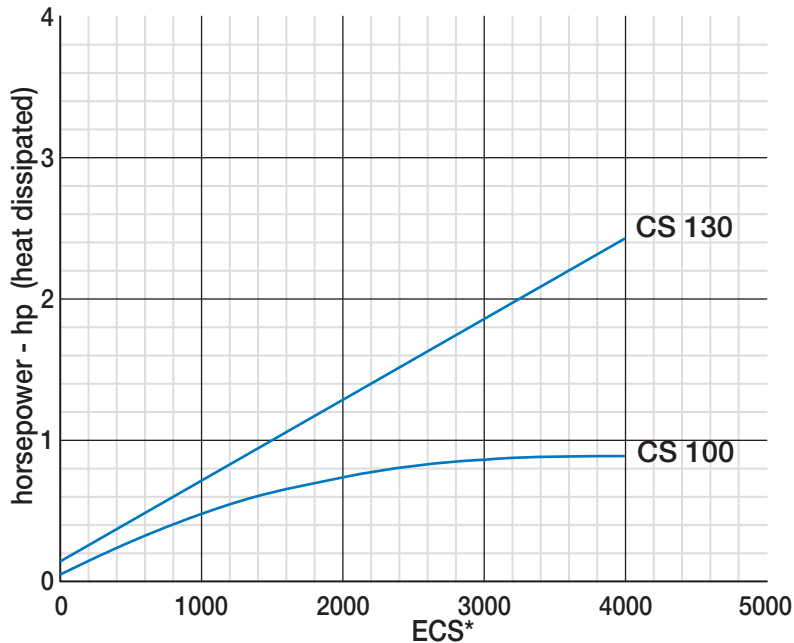
Compact Single Disc Brakes

## Torque†

	Max. - Min. (in-lb)			
	LOW Friction	MEDIUM Friction	HIGH Friction	
<b>CS100</b>				
CS101	16	50	75	1.00
CS102	33	100	150	
CS103	50	150	225	
CS104	66	200	300	
<b>CS130</b>				
CS131	22	66	100	1.30
CS132	44	133	200	
CS133	66	200	300	
CS134	88	266	400	
CS135	110	333	500	
CS136	132	396	600	

† Friction values are nominal. Rated torque may vary depending on operating temperature.

## Effective Cooling Speed\*



\*Effective Cooling Speed (ECS)  
The speed at which a brake will dissipate a given heat horsepower.

$$ECS = \frac{2 (rpm \text{ min.}) + rpm \text{ max.}}{3}$$

### Testing

The brakes were mounted as recommended in the Brakes Installation Instruction Manual. No guard or cover was used. Addition of machine guarding, fan or blower cooling, differences in ambient conditions, location, mounting method, etc. will affect heat (hp) dissipation capacity of any air cooled brake. Careful consideration should be given to all conditions surrounding installation. Please consult The Montalvo Corporation for help in application sizing.

### Temperature

Ambient	55 - 60°F
Cast Iron Bulk (humidity)	350°F 65 - 70%

Size	Max. Speed* (rpm)	Inertia W <sub>r</sub> <sup>2</sup> of disc-hub (lb-ft <sup>2</sup> )	Weight disc-hub (lb)
CS100	7000	0.07	2.94
CS130	5500	0.15	4.65

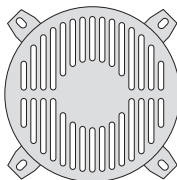
\* Do not use to calculate horsepower.

### Note

Montalvo brakes are called upon to operate within a wide speed range when used in converting applications. They do not carry "nominal" ratings.

## Related Montalvo Products

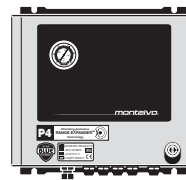
Safety Covers



I/P Converters



Range Expanders



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	+49 (0)511 760 691 41