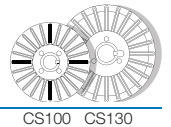


**CS-Series**

Compact Single Disc Brakes



CS100 CS130

**Montalvo CS-Series Compact Single Disc Brakes** — TSC™ System Component → TS

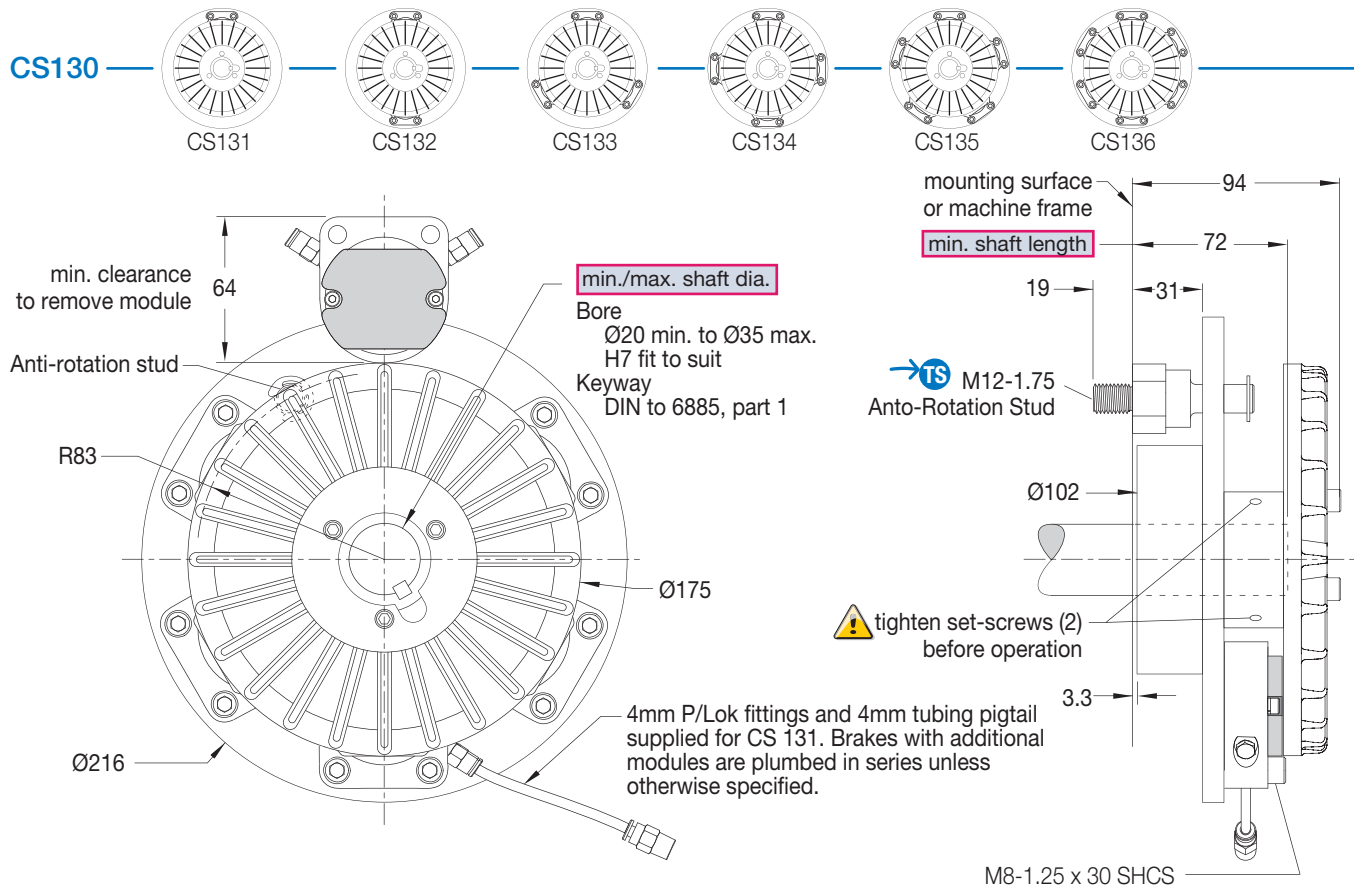
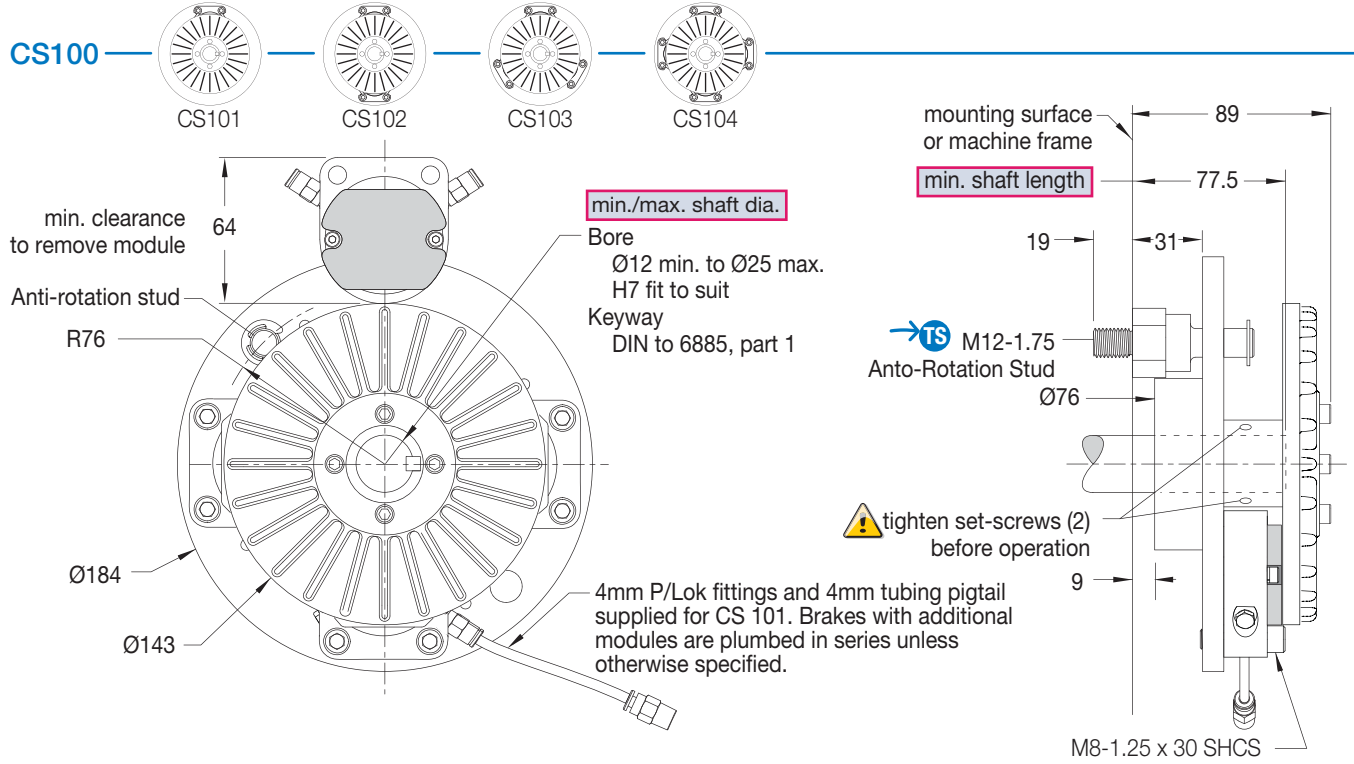
Small size and light duty output makes these web tension brakes ideal for printing applications.

**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 34 Nm
  - CS130 to 68 Nm
- ▶ **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



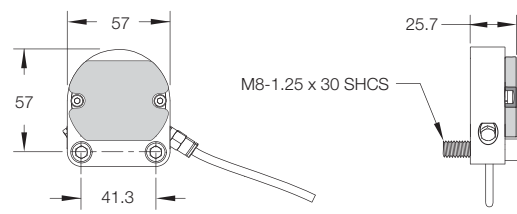
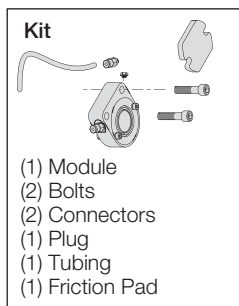
→TS \*A TS Torque Sensor can replace the Anti-Rotation Stud. See TS datasheet and manual for sizing, mounting and calibration instructions.

## CS Friction Module Options

Add or replace a module

<b>Friction module kit*</b> .....	Ordering Part #
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

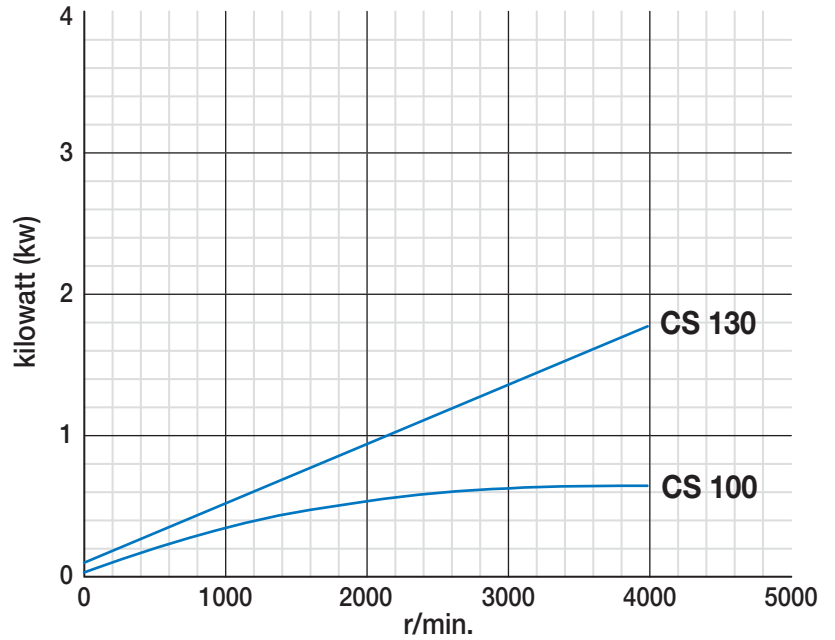
Compact Single Disc Brakes

## Torque†

	Max. - Min. (Nm)					
	LOW Friction		MEDIUM Friction		HIGH Friction	
(Max. @ 5.2 bar) - (Min. @ 0.07 bar x1 cylinder)						
CS100						
CS101	1.8		5.6		8.5	
CS102	3.7	0.03	11	0.08	17	0.12
CS103	5.6		17		23	
CS104	7.5		23		34	
CS130						
CS131	2.5		7.5		11	
CS132	5.0		15		23	
CS133	7.5	0.03	23	0.10	34	0.15
CS134	10		30		45	
CS135	12		38		57	
CS136	15		60		68	

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

## Effective Cooling Speed\*



\*Effective Cooling Speed (nECS)  
The speed at which a brake will dissipate given kilowatts.

$$nECS = \frac{2 \times n \text{ min.} + n \text{ max.}}{3}$$

## Testing

Brakes were mounted as recommended in *Installation Instructions*. 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 dissipation capacity of any air cooled brake. Careful consideration should be given to all conditions surrounding installation. Consult Montalvo for help in application sizing.

Conditions: Ambient temp. 13 -16°C  
Cast Iron Bulk 177°C  
Humidity 65 - 70%

Size	Max. r/min* (min <sup>-1</sup> )	Moment of Inertia (kgm <sup>2</sup> )	Total Weight (kg)
<b>CS100</b>	7000	0.003	3.0
<b>CS130</b>	5500	0.007	4.6

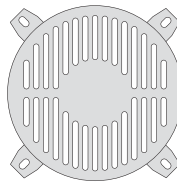
\* Do not use to calculate kilowatt.

## 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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The Montalvo Corporation

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