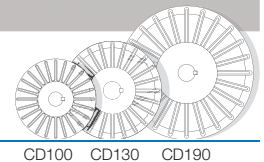


CD-Series

Compact Dual Disc Brakes

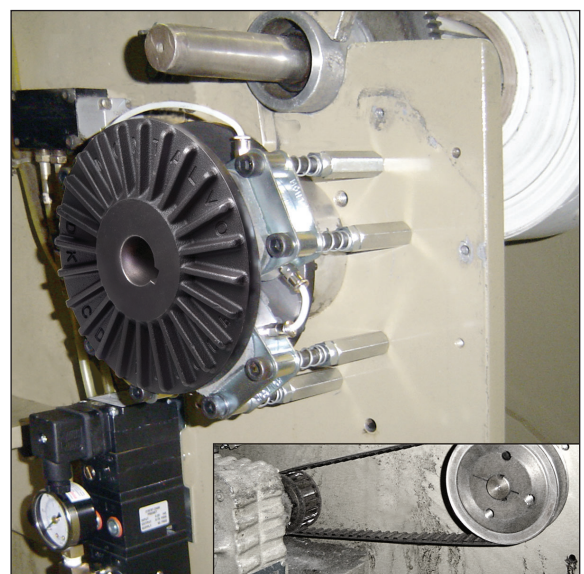


Montalvo CD-Series Compact Dual Disc Brakes

Ultra-light to medium duty tension brakes, with a modular design and interchangeable parts, that are economical and easy to install and maintain.

Features

- ▶ **Ideal for web presses and narrow webs**
 - Flexopresses
 - Slitters / Rewinders
 - Label Presses
- ▶ **High capacity, low inertia**
 - Eliminate residual drag
 - Run wider variety of webs
- ▶ **Choose from 3 torque ranges**
 - CD100 to 68 Nm
 - CD130 to 138 Nm
 - CD190 to 295 Nm
- ▶ **Versatile C Series Friction Module**
 - Can be configured for customer supplied dual disc, single disc, and caliper disc brakes

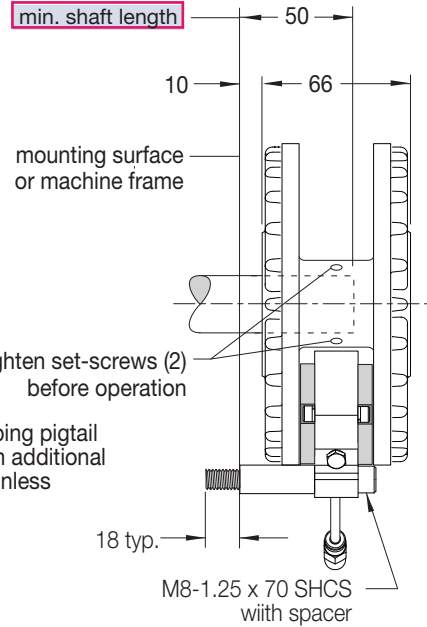
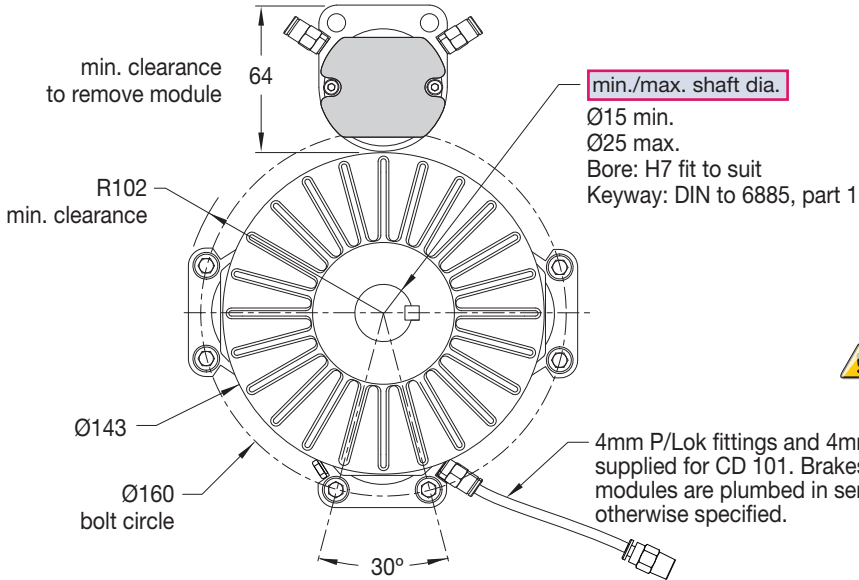
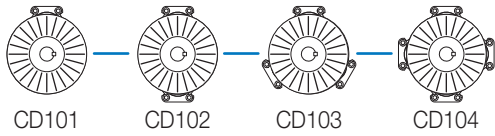


Montalvo CD100 brake replaces inefficient particle brake greatly enhancing performance of a Mark Andy press.

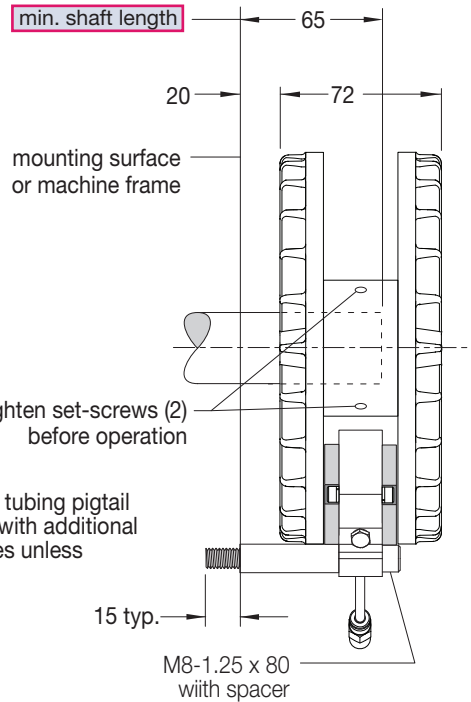
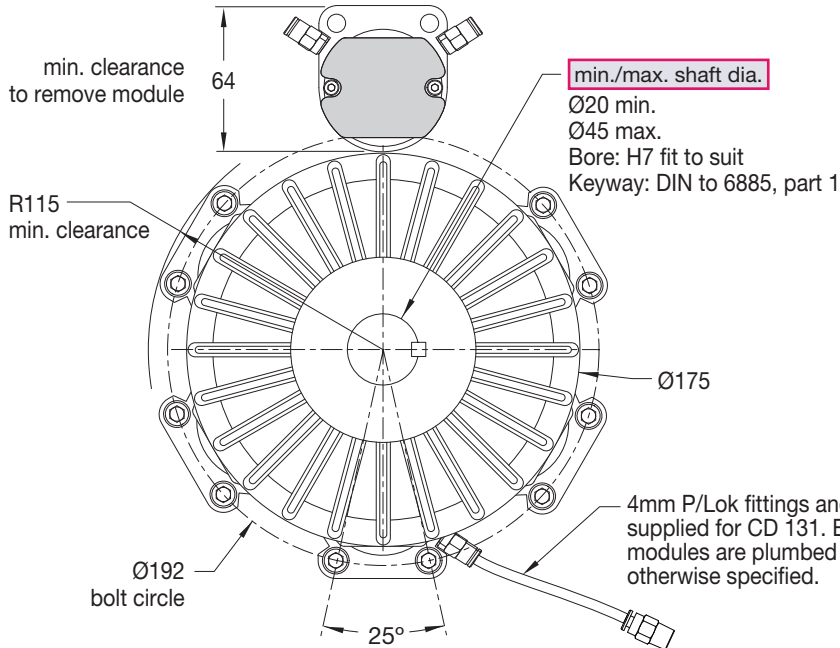
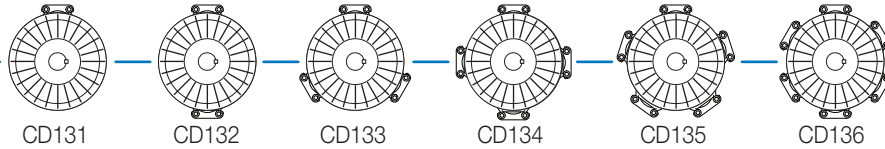
CD-Series

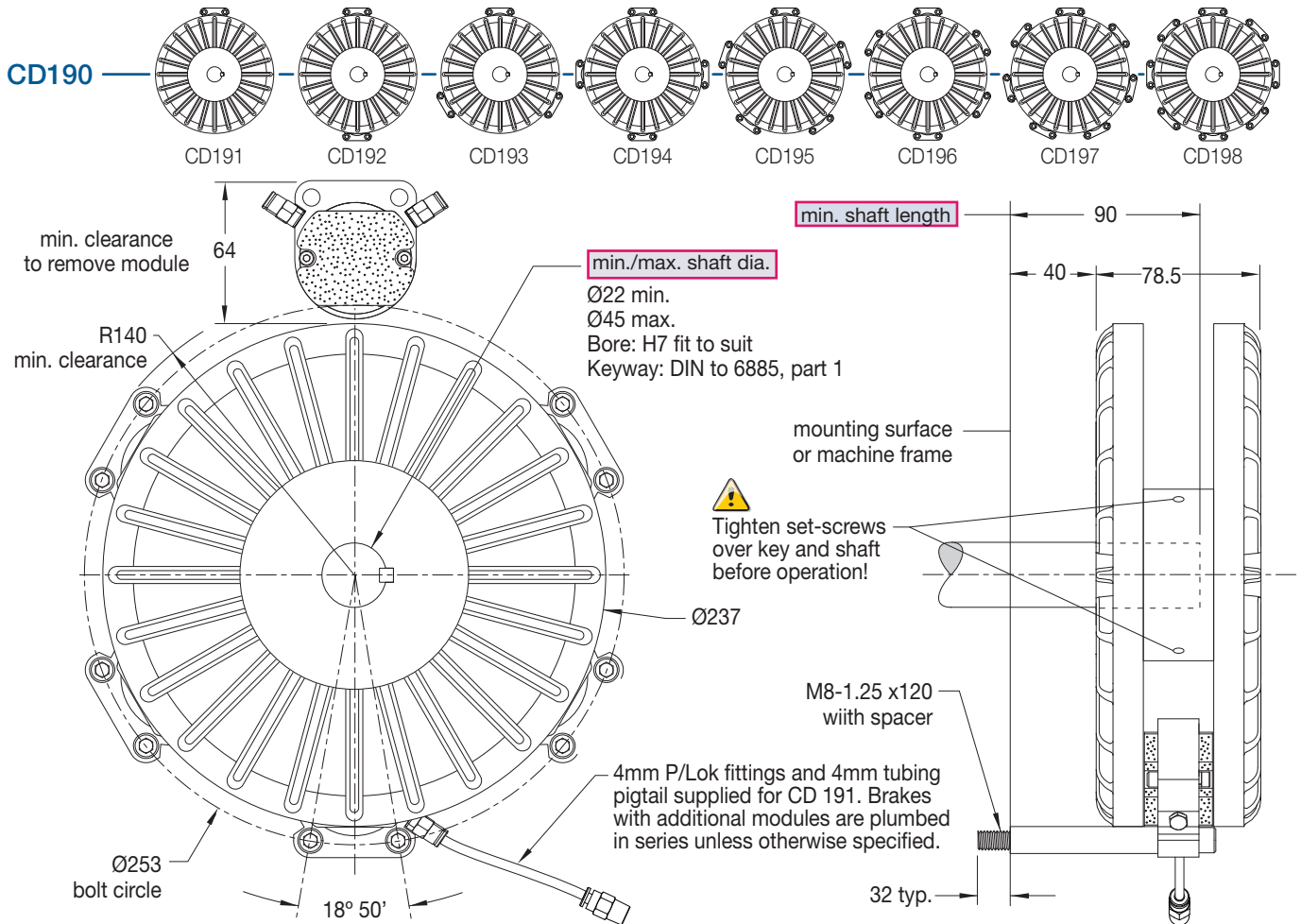
Compact Dual Disc Brakes

CD100



CD130



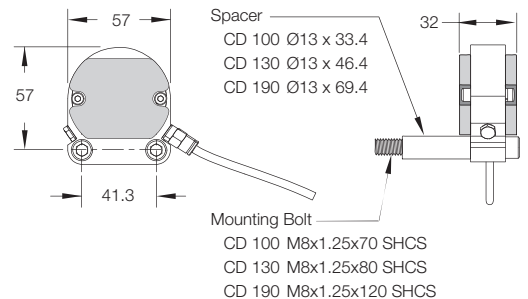
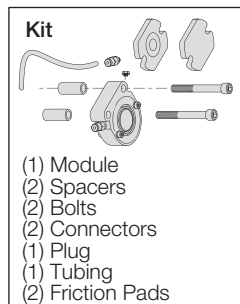


CD Friction Module Options

Add or replace a module

Friction module kit*	Ordering Part #
CD 100 brake.....	10002058
CD 130 brake.....	10002077
CD 190 brake.....	10002068

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



CD-Series

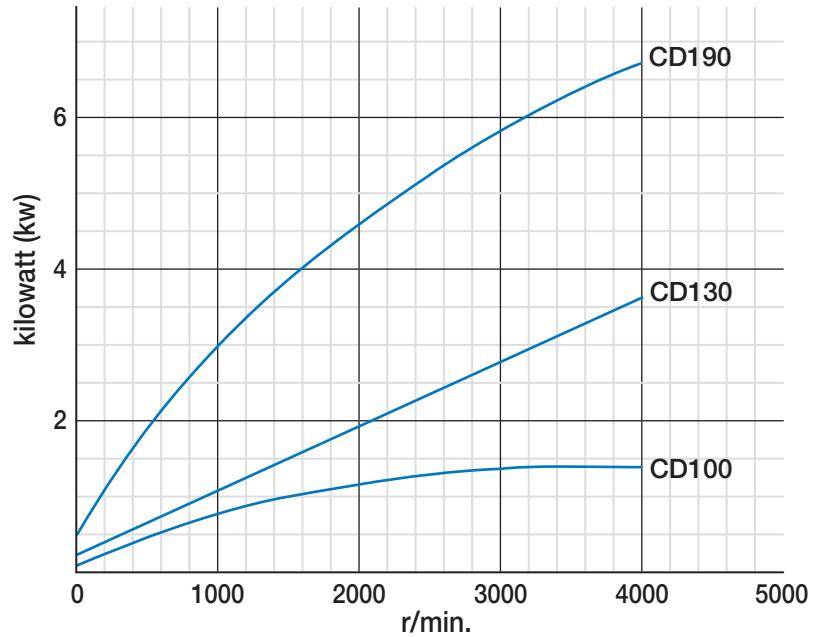
Compact Dual Disc Brakes

Torque[†]

	Max. - Min. (Nm)					
	(Max. @ 5.2 bar) - (Min. @ 0.07 bar x1 cylinder)					
	LOW Friction	MEDIUM Friction	HIGH Friction			
CD100						
CD101	3.7	11	17			
CD102	7.4	22	34	0.05	0.2	0.2
CD103	11.1	33	51			
CD104	14.8	44	68			
CD130						
CD131	5	15	23			
CD132	10	30	46			
CD133	15	45	69	0.07	0.2	0.3
CD134	20	60	92			
CD135	25	75	115			
CD136	30	90	138			
CD190						
CD191	8	24	37			
CD192	16	48	74			
CD193	24	72	111			
CD194	32	96	148	0.1	0.3	0.5
CD195	40	120	185			
CD196	48	144	222			
CD197	57	171	258			
CD198	65	195	295			

† 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%

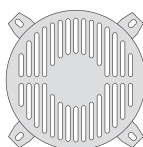
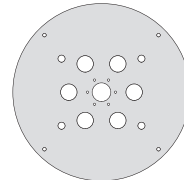
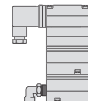

Size	Max. r/min* (min ⁻¹)	Moment of Inertia (kgm ²)	Total Weight (kg)
CD100	7000	0.013	2.9
CD130	5500	0.024	4.5
CD190	4285	0.061	10.5

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

<p>Safety Cover</p>  <p>Rugged enclosure protects operators from brake moving parts and high temps.</p>	<p>Mounting Plate</p>  <p>Pre-machined to simplify brake/module and safety cover mounting. Ventilated.</p>	<p>I/P Converter</p>  <p>Convert electrical input from control to regulated air output to brake.</p>	<p>Range Expander</p>  <p>Connection to friction modules to produce multiple torque ranges.</p>
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Technical details subject to change without notice. CD-GB-03 © Montalvo