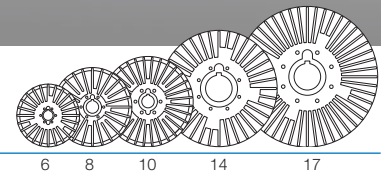


Standard-Series

Dual Disc Brakes

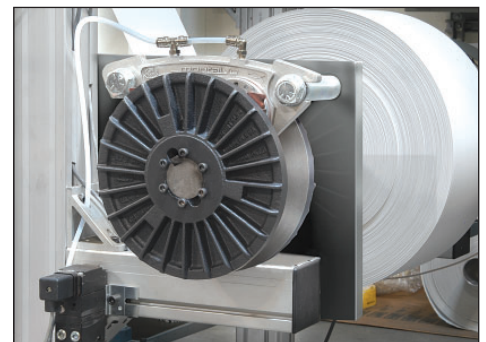
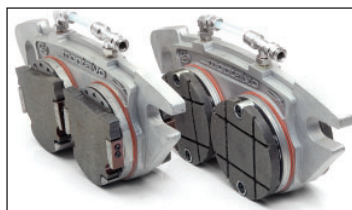


Montalvo Standard-Series Dual Disc Brakes

The Standard Series is Montalvo's innovative and original pneumatic tension brake. With its multiple range, high thermal capacity and compact design it has dominated the industry for over forty years.

Features

- ▶ Choose from two friction pad designs - new quick-change or Montalvo "industry" STANDARD
- ▶ Performance engineered to provide superior thermal capacity and heat dissipation
- ▶ Choose from a wide torque range of **0.3** to over **2362 Nm**
- ▶ Custom milled for shafts from **20** to **125 mm**
- ▶ Easily installed in new equipment or as an application upgrade
- ▶ Options: mounting plates, safety covers and I/P converters



Standard-Series

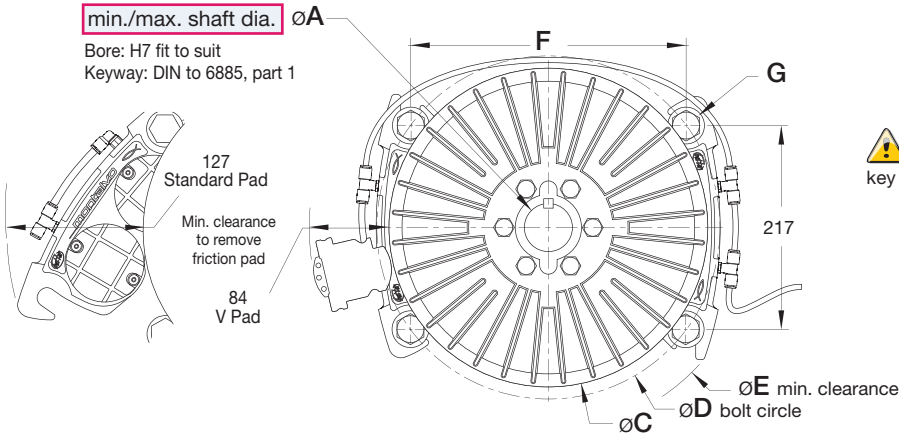
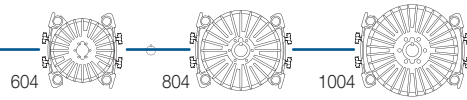
Dual Disc Brakes

Standard w/o adapters

601-604

801-804

1001-1004 (shown)

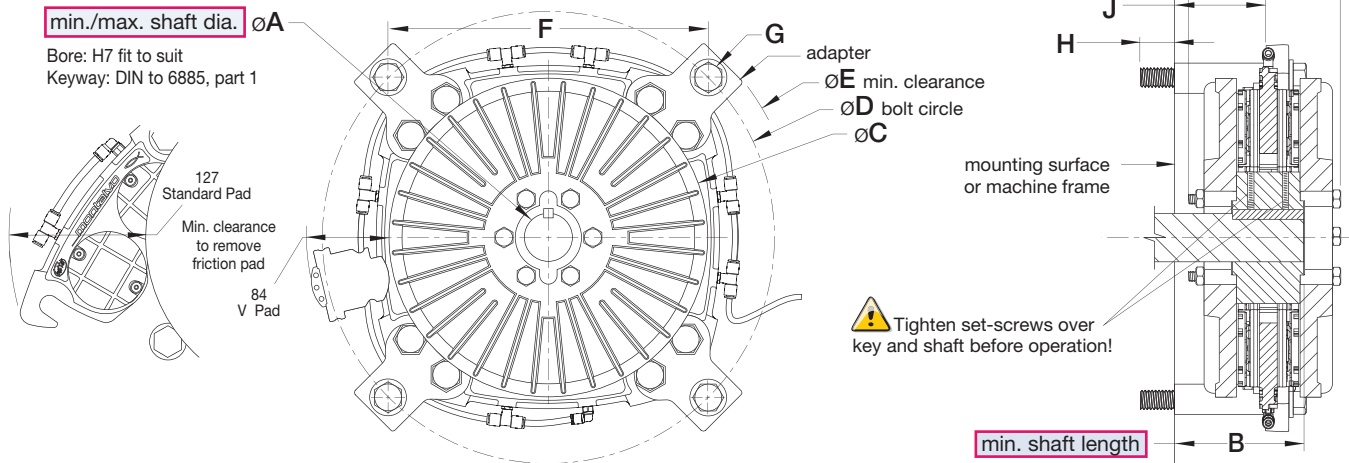
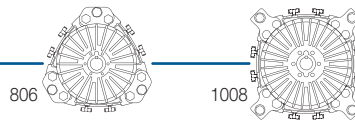


Size	A(min.)	A(max.)	B(min.)	C	D	E(min.)	F	G	H	J	K	L
600	20	45	148	236	284	381	183	M20x2.5	36	99	47	123
800	30	50	148	298	335	432	254	M20x2.5	36	99	44	133
1000	35	65	148	340	371	458	301	M20x2.5	36	99	24	147

Standard with adapters

805 - 806

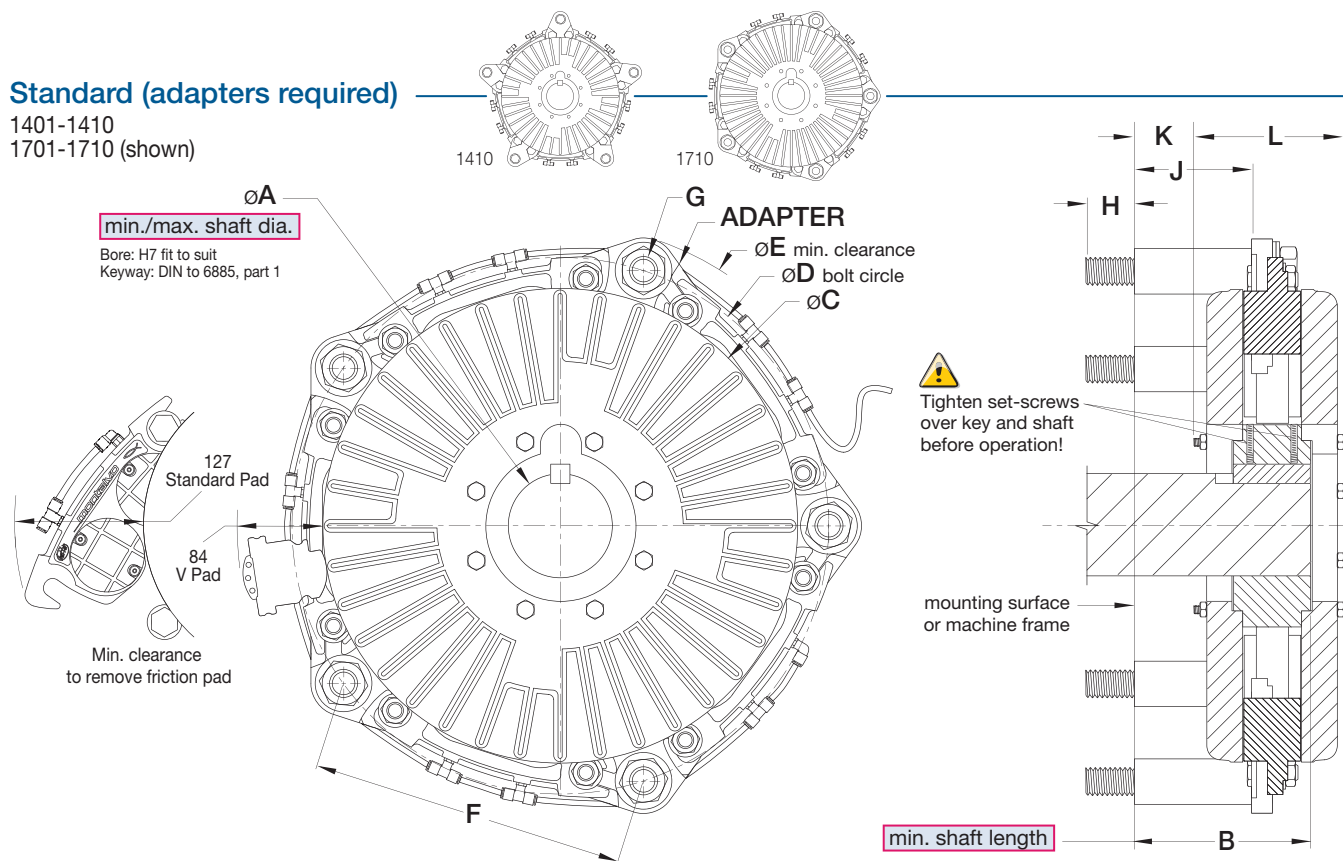
1005 - 1008 (shown)



Size	A(min.)	A(max.)	B(min.)	C	D	E(min.)	F	G	H	J	K	L	# of Adapters	Degrees Apart
800	30	50	146	298	384	458	333	M20x2.5	41	99	37	133	3	120
1000	35	65	139	340	483	534	343	M20x2.5	47	99	24	147	4	90

Standard (adapters required)

1401-1410
1701-1710 (shown)

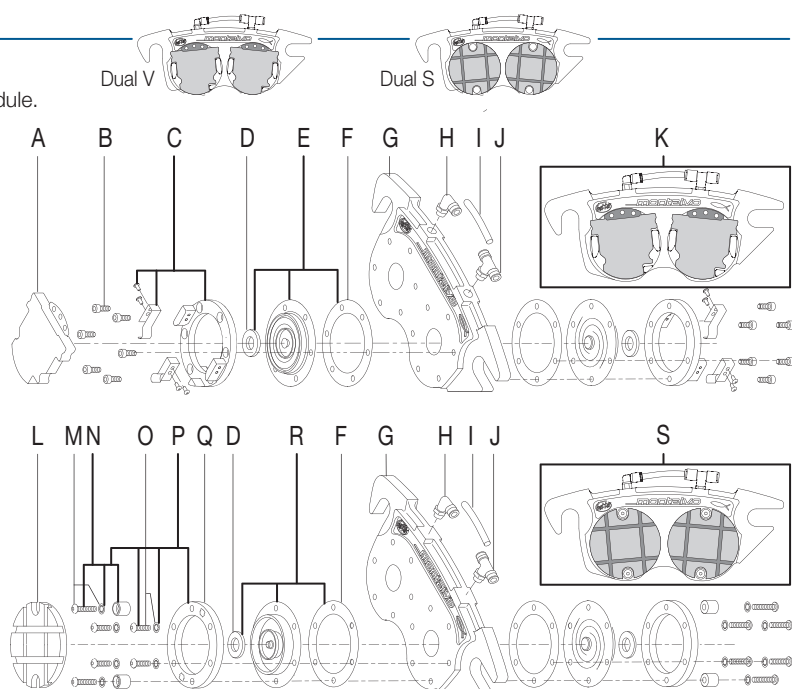


Size	A(min.)	A(max.)	B(min.)	C	D	E(min.)	F	G	H	J	K	L	Max. # of Adapters	Degrees Apart
1400	50	115	140	438	572	635	336	M20x2.5	35	99	16	152	5	72
1700	65	125	166	530	588	673	345	M30x3.5	47	127	35	174	5	72

Dual V and Dual S Friction Modules

For new brake orders choose either style to fit your needs.
For existing brakes, make sure to order parts for correct module.

- | Description | Ordering Part # |
|---|----------------------|
| A V Friction pad (many types)..... | call / visit website |
| B SHCS M5x12DIN912 | 18000489 |
| C V Torque Collar Kit..... | 27000018 |
| D Piston Magnet | 10000266 |
| E V Piston Kit (magnet, piston, gasket) | 27000430 |
| F Piston Gasket..... | 10000270 |
| G Dual Friction Module Casting | 10001772 |
| H Elbow Fitting 6mm..... | 18000669 |
| I Teflon Tubing 6mm | 20000323 |
| J Branch Tee Fitting 6mm..... | 18000670 |
| K Dual V Complete Module (w/friction pads) | 10001827 |
| L Standard Friction pad (many types) | call / visit website |
| M Torque Post Screw Kit (PPHMS M5x0.8x25 & wshr) | 10002014 |
| N Torque Post (w/#10002014 screw & washer)..... | 10002009 |
| O Torque Collar Screw Kit (BHSS M5x0.8x18 & wshr) | 10002015 |
| P Torque Collar Kit (w/torque posts & screws)..... | 10001830 |
| Q Torque Collar | 10000279 |
| R Standard Piston Kit (magnet, piston, gasket) | 10002048 |
| S Dual S Complete Module (w/friction pads) | 10001829 |



Standard-Series

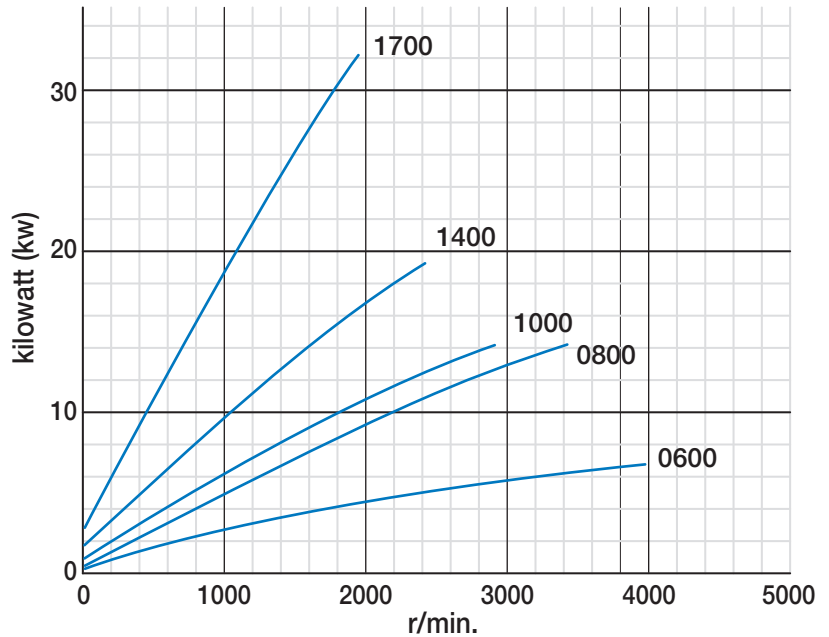
Dual Disc Brakes

Torque[†]

	Max. - Min. (Nm)		
	LOW Friction	MEDIUM Friction	HIGH Friction
STANDARD 600			
601	19	56	84
602	37	113	169
603	56	169	253
604	74	225	338
STANDARD 800			
801	26	78	117
802	52	156	234
803	78	234	351
804	104	312	468
805	130	390	585
806	156	468	702
STANDARD 1000			
1001	31	93	139
1002	62	185	278
1003	93	278	417
1004	123	371	556
1005	154	463	695
1006	186	556	834
1007	216	649	973
1008	248	741	1112
STANDARD 1400			
1401	43	130	195
1402	86	260	390
1403	130	390	585
1404	173	520	780
1405	216	650	975
1406	260	780	1170
1407	303	910	1365
1408	346	1040	1559
1409	390	1170	1754
1410	433	1300	1949
STANDARD 1700			
1701	52	157	236
1702	105	315	472
1703	157	472	709
1704	210	630	945
1705	262	788	1181
1706	315	945	1418
1707	367	1102	1653
1708	420	1260	1890
1709	472	1418	2126
1710	525	1574	2362

† 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%

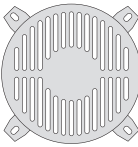
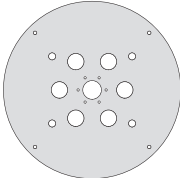
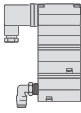

Size	Max. r/min. [†] (min ⁻¹)	Moment of Inertia (kgm ²)	Total Weight (kg)
0600	4825	0.06	11
0800	3415	0.14	15
1000	2920	0.32	29
1400	2325	1.00	55
1700	1940	2.26	80

* 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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