

AIR DISC



**Unparalleled Variety of Models
Reliable and Longer-Life
Braking Performance**

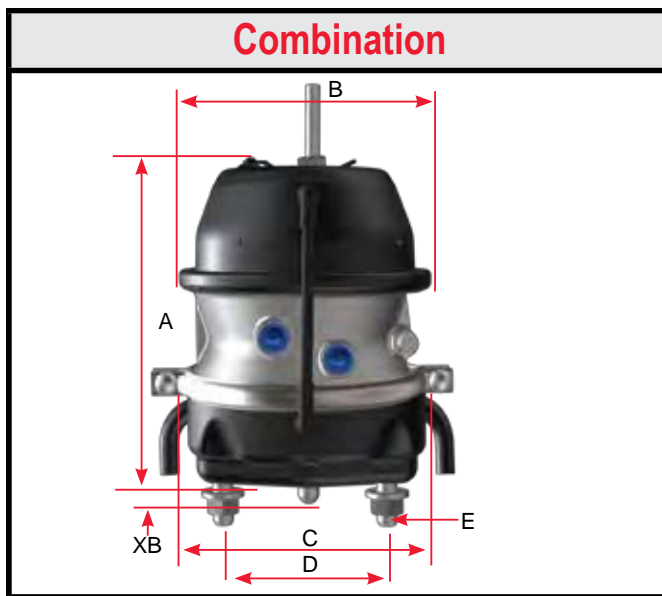


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NOTE: Product information and specifications subject to change without notice.

Air Disc Model

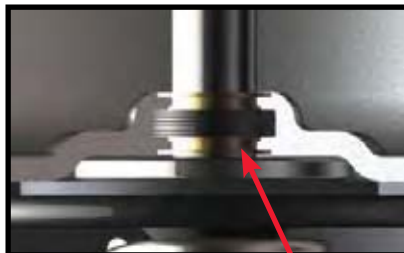


Double Diaphragm Air Disc Brake Features

- Tamper Resistant Design (U.S. Patent No. 5,067,391)
- Molded Nitrile Rubber Push-Rod Air Seal
- Externally Stored Release Bolt
- Epoxy-Coated Head, Non-Pressure Chamber and Lower Push-Rod Assembly
- 360 Aluminum Center Case
- Weatherseal™ Plug
- Heavy-Duty 8 Gauge Steel Non-Pressure Chamber
- Polymer Push-Rod Guides
- Heavy-Duty Nylon Reinforced Diaphragms
- Heavy-Duty Nylon Reinforced Neoprene Diaphragms (Optional)
- External Breather Tube
- Heavy-Duty Power Spring 160 lb (72.6 kg) additional parking brake force @ 1.25 inches (31.8 mm) of stroke - **HD MODELS**
- Center Hole Diaphragm (U.S. Patent No. 5,507,217) - **HD MODELS**



Center Hole Diaphragm (U.S. Patent #5,507,217)
 Patented feature that aligns the piston, diaphragm, power spring and internal push-rod providing the following advantages: Maintains component alignment; reduces power spring stress; reduces coil clash; increases center-seal life and eliminates the effects of severe vibration.



Center Seal (Push-Rod Air Seal)
 Multi-lipped, pressure activated seal – an MGM exclusive - molded from specially formulated low-temperature-resistant Nitrile Rubber, providing long-term protection against air leaks. Nylon guides eliminate metal to metal contact and premature failure in this critical area.



External Breather-Tube
 Vents air from inside the protected area of the non-pressure chamber to effectively prevent entry of liquid and solid corrosive contaminants that can cause premature failure of the spring brake chamber.

NOTE: Product information and specifications subject to change without notice.

DOUBLE DIAPHRAGM AIR DISC BRAKES

P/N Series	3417	3419	3422	3423	3425	3432	3450	3650
Model	TR1724LTHDH	TR1724LTH	TR2024LTHD	TR2024LT	TR2130LTH	TR3036T	TR2730TH	TR2730THDH
Size	1724	1724	2024	2024	2130	3036	2730	2730
Stroke	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)
Part Number SAE & METRIC	For replacement part numbers, contact MGM Brakes Customer Service, 1-800-527-1534 x750 (U.S. & Canada), International email: mail@mgmbrakes.com							
Wt. (lb/kg)	15.41 lb (7.0 kg)	15.81 lb (7.2 kg)	15.51 lb (7.0 kg)	15.95 lb (7.2 kg)	17.88 lb (8.1 kg)	25.87 lb (11.7 kg)	19.10 lb (8.7 kg)	18.64 lb (8.5 kg)
A	8.86" (225.0 mm)	8.86" (225.0 mm)	8.86" (225.0 mm)	8.86" (225.0 mm)	9.45" (240.0 mm)	10.39" (263.9 mm)	9.40" (238.8 mm)	9.40" (238.8 mm)
B	7.34" (186.4 mm)	7.34" (186.4 mm)	7.34" (186.4 mm)	7.34" (186.4 mm)	8.21" (208.5 mm)	9.18" (233.2 mm)	8.21" (208.5 mm)	8.21" (208.5 mm)
C	6.72" (170.7 mm)	6.72" (170.7 mm)	6.72" (170.7 mm)	6.72" (170.7 mm)	7.19" (182.6 mm)	8.14" (206.8 mm)	8.14" (206.8 mm)	8.14" (206.8 mm)
D	4.75" (120.7 mm)							
E	M16 X 1.5 - 6g							
Inlets	3/8" -18 NPTF (M16 x 1.5 - 6H)							
XB	15 mm							

NOTE: All chart measurements are in both inches and metric.

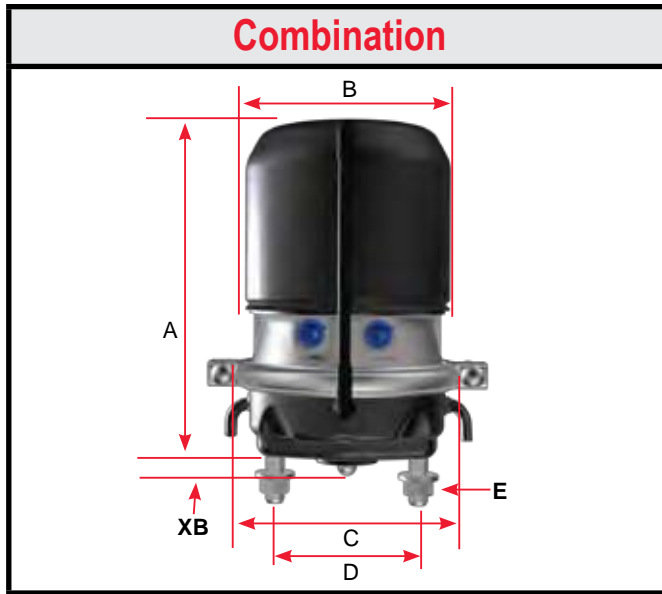
DOUBLE DIAPHRAGM AIR DISC BRAKES

P/N Series	3452	3431	3631	3627	3426	3623	3428	3625
Model	TR2736TH	TR3030T	TR3030THD	TR2130LTHDH	TR2424LT	TR2424LTHD	TR2430LT	TR2430LTHD
Size	2736	3030	3030	2130	2424	2424	2430	2430
Stroke	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)
Part Number SAE & METRIC	For replacement part numbers, contact MGM Brakes Customer Service, 1-800-527-1534 x750 (U.S. & Canada), International email: mail@mgmbrakes.com							
Wt. (lb/kg)	25.39 lb (11.5 kg)	19.68 lb (8.9 kg)	18.94 lb (8.6 kg)	17.30 lb (7.8 kg)	16.20 lb (7.3 kg)	16.20 lb (7.3 kg)	18.70 lb (8.5 kg)	17.68 lb (8.0 kg)
A	10.39" (263.9 mm)	9.40" (238.8 mm)	9.40" (238.8 mm)	9.45" (240.0 mm)	9.02" (229.1 mm)	9.02" (229.1 mm)	9.45" (240.0 mm)	9.45" (240.0 mm)
B	9.18" (233.2 mm)	8.21" (208.5 mm)	8.21" (208.5 mm)	8.21" (208.5 mm)	7.34" (186.4 mm)	7.34" (186.4 mm)	8.21" (208.5 mm)	8.21" (208.5 mm)
C	8.14" (206.8 mm)	8.14" (206.8 mm)	8.14" (206.8 mm)	7.19" (182.6 mm)	7.19" (182.6 mm)	7.19" (182.6 mm)	7.19" (182.6 mm)	7.19" (182.6 mm)
D	4.75" (120.7 mm)							
E	M16 X 1.5 - 6g							
Inlets	3/8" -18 NPTF (M16 x 1.5 - 6H)							
XB	15 mm							

NOTE: All chart measurements are in both inches and metric.

NOTE: Product information and specifications subject to change without notice.

Air Disc Model



Magnum Performance Plus Model Features

- Tamper Resistant Design
- Lighter Weight
- 3 Inch (76.2 mm) Long Stroke
- Compact Size
- New Patented Integral Release Bolt Mechanism - Minimal Bolt Protrusion (Approx. 1.25 inch (31.8 mm) protrusion on "Long Stroke" models when manually released)
- Non-Coil Clash Power Spring
- Increased Corrosion Resistance - Steel Head, Epoxy Coated
- Available with 1,922-2,600 Lbs. (871.8 kg - 1,179.3 kg) of Push-Rod Braking Force @ 1.25 inch (31.8 mm) Stroke/Service Brake Sizes 16-30
- Heavy Duty 8-Guage NPC Standard



Dual-Thread Release Bolt
MJB Models

"Dual-Thread" manual release bolt: an MGM Brakes patented design feature; provides minimal bolt protrusion at maximum release, allowing for installation in tight areas.

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PISTON DIAPHRAGM AIR DISC BRAKES

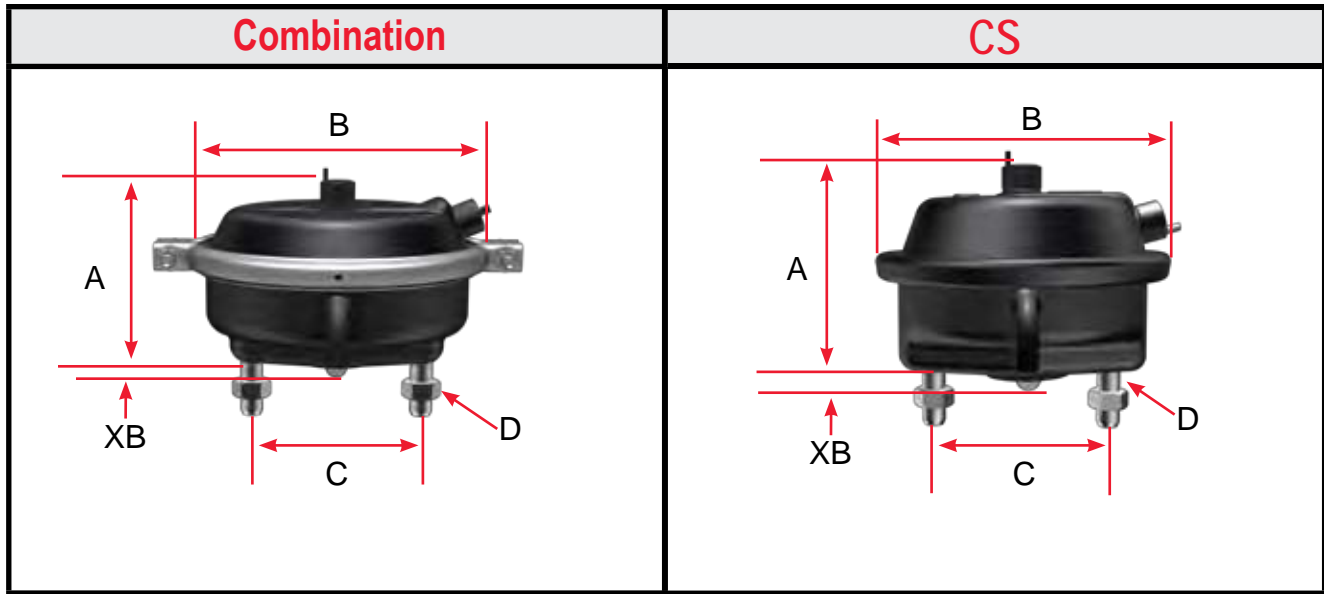
P/N Series	MJB1724ET	MJB2024ET	MJB2030ET	MJB2124ET	MJB2424ET	MJB2430ET
Model	MJB1724ET	MJB2024ET	MJB2030ET	MJB2124ET	MJB2424ET	MJB2430ET
Size	1724	2024	2030	2124	2424	2430
Stroke	3.00" (76.2 mm)	3.00" (76.2 mm)	3.00" (76.2 mm)	3.00" (76.2 mm)	3.00" (76.2 mm)	3.00" (76.2 mm)
Part Number SAE & METRIC	For replacement part numbers, contact MGM Brakes Customer Service, 1-800-527-1534 x750 (U.S. & Canada), International email: mail@mgmbrakes.com					
Wt. (lb/kg)	19.50 lb (8.8 kg)	20.10 lb (9.1 kg)	22.71 lb (10.3 kg)	20.40 lb (9.3 kg)	20.40 lb (9.3 kg)	23.70 lb (10.8 kg)
A	10.61" (269.5 mm)	10.61" (269.5 mm)	10.99" (279.1 mm)	10.31 lb (261.9 mm)	10.59" (269.0 mm)	10.99" (279.1 mm)
B	6.76" (171.7 mm)	6.76" (171.7 mm)	7.50" (190.5 mm)	7.94" (201.7 mm)	6.76" (171.7 mm)	7.50" (190.5 mm)
C	6.90" (175.3 mm)	6.90" (175.3 mm)	6.90" (175.3 mm)	7.50" (190.5 mm)	7.38" (187.5 mm)	7.38" (187.5 mm)
D	4.75" (120.7 mm)					
E	M16 X 1.5 - 6g					
Inlets	3/8" -18 NPTF (M16 x 1.5 - 6H)					
XB	15 mm					

NOTE: All chart measurements are in both inches and metric.

P/N Series	MJB2730ET	MJB3030ET
Model	MJB2730ET	MJB3030ET
Size	2730	3030
Stroke	3.00" (76.2 mm)	3.00" (76.2 mm)
Part Number SAE & METRIC	For replacement part numbers, contact MGM Brakes Customer Service, 1-800-527-1534 x750 (U.S. & Canada), International email: mail@mgmbrakes.com	
Wt. (lb/kg)	24.56 lb (11.1 kg)	24.56 lb (11.1 kg)
A	11.14" (283.0 mm)	11.14" (283.0 mm)
B	7.50" (190.5 mm)	7.50" (190.5 mm)
C	8.32" (211.3 mm)	8.32" (211.3 mm)
D	4.75" (120.7 mm)	
E	M16 X 1.5 - 6g	
Inlets	3/8" -18 NPTF (M16 x 1.5 - 6H)	
XB	15 mm	

NOTE: Product information and specifications subject to change without notice.

Air Disc Model



C & CS Model Features

- Formed Steel Pressure Cap - Epoxy-Coated (CS20 Models have Zinc Iron Chromate Coating)
- Formed Steel Non-Pressure Chamber - Epoxy-Coated
- Heavy-Duty Nylon Reinforced Diaphragms
- Top and Side Air Ports - 3/8" NPTF

NOTE: Product information and specifications subject to change without notice.

AIR DISC SERVICE CHAMBERS

P/N Series	1617	1621	1622	1427	1429	1430
Model	CS16LH	CS20L	CS20L3	C24L	C27H	C30
Size	16	20	20	24	27	30
Stroke	2.50" (63.5 mm)	2.50" (63.5 mm)	3.00" (76.2 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)	2.50" (63.5 mm)
Part Number SAE & METRIC	For replacement part numbers, contact MGM Brakes Customer Service, 1-800-527-1534 x750 (U.S. & Canada), International email: mail@mgmbrakes.com					
Wt. (lb/kg)	6.20 lb (2.8 kg)	6.70 lb (3.0 kg)	7.65 lb (3.5 kg)	8.66 lb (3.9 kg)	9.57 lb (4.3 kg)	9.88 lb (4.5 kg)
A	4.76" (120.9 mm)	4.76" (120.9 mm)	4.50" (114.3 mm)	4.88" (124.0 mm)	4.85" (123.2 mm)	4.85" (123.2 mm)
B	6.99" (177.5 mm)	6.99" (177.5 mm)	7.02" (178.3 mm)	7.33" (186.2 mm)	8.27" (210.1 mm)	8.27" (210.1 mm)
C	4.75" (120.7 mm)					
D	M16 X 1.5-6g					
Inlets	3/8" -18 NPTF (M16 x 1.5-6H)					
XB	15 mm					

NOTE: All chart measurements are in both inches and metric.