

Posistop Brake Specifications

Posistop Motor Brakes (MB Series) may be assembled to obtain a broad range of torque ratings. The multiple disc and multiple spring design makes the **Posistop** a very flexible brake. How the stack is assembled determines the braking torque developed.

The following charts give an overview of all the combinations possible. **Standard Static Torque Ratings** are shown in bold blue numbers. Optional non-standard ratings are also shown in the Static Torque Rating Option Charts.

Static Torque (Lb.Ft.)	Dynamic Torque (Lb.Ft.)	Thermal Rating (HP Sec. / Min.)	Max. KE per Engmt. w/Full Stack (Ft.Lbs.)	Piston Volume (In. ³)	Inertia WK ² (Lb.Ft. ²)
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Size 056

6	5.2	30	4650	.5	.009
9	7.8				
12	10.4				
18	15.6				

Sizes 180, 210 and 210L

20	17	25	6425	3	.034
30	26				
45	39				
60	52				
90	78				

Sizes 250 and 280

75	65	50	18,500	5	.215
150	130				
225	194				
300	259				

Size 320

120	104	70	18,500	6	.215
150	130				
200	173				
300	259				
450	388				

NOTE: Maximum Speed - 1800 RPM, except Sizes 180 and 210 which is 3600 RPM in horiz. and vertical brake down position.

Static Torque Rating Options

		No. of Discs			20	30	40	60	Min.PSI to Rel.
		1	2	3					
Qty. of Springs	2	2	4	6	20	30	40	60	
	3	3	6	9					
	4	4	8	12					
	6	6	12	18					
		No. of Plates							
		8	6	4					

Static Torque Rating Options

		No. of Discs			20	28	35	51	Min.PSI to Rel.
		1	2	3					
Qty. of Springs	2	10	20	30	20	28	35	51	
	3	15	30	45					
	4	20	40	* 60					
	6	30	* 60	* 90					
		No. of Plates							
		7	6	4					

* Torque not available with 7/8" dia. collet.

Static Torque Rating Options

		No. of Discs					20	28	35	51	Min.PSI to Rel.
		1	2	3	4	5					
Qty. of Springs	2	15	30	45	60	75	20	28	35	51	
	4	30	60	90	120	150					
	6	45	90	135	180	225					
	8	60	120	180	*240	* 300					
		No. of Plates									
		11	10	8	7	6					

* Torque not available with 1-1/8" or 1-3/8" dia. collet.

Static Torque Rating Options

		No. of Discs					20	28	35	51	Min.PSI to Rel.
		1	2	3	4	5					
Qty. of Springs	3	30	60	90	120	150	20	28	35	51	
	4	40	80	120	160	200					
	6	60	120	180	*240	* 300					
	9	90	180	270	*360	450					
		No. of Plates									
		11	10	8	7	6					

* Min.shaft diameter - 1-5/8" Min. shaft dia. - 1-7/8"