

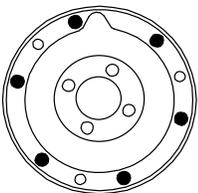
# Technical Note

## BE Brake – Torques / Spring Combinations / Air Gap

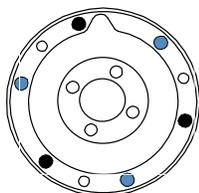
Brake Size	Motor Frame	Working Air Gap (mm) <sup>1)</sup>		Brake Disc <sup>2)</sup> (mm)	Brake Torque		Number of Springs			Additional Damping Plate / Pole Sheet
		Min	Max		Min	Nm	lb-in	Normal	Blue	
BE05	DR71 DR80	0.25	0.6	9	5	44	3	-	-	No
					3.5	31	-	6	-	
					2.5	22	-	4	-	
					1.8	15	-	3	-	
					0.8	7	-	-	3	Yes (x2)
BE1	DR71 DR80 DR90	0.25	0.6	9	10	88	6	-	-	No
					7	62	4	2	-	
					5	44	3	-	-	
BE2	DR80 DR90 DR100	0.25	0.6	9	20	177	6	-	-	No
					14	124	2	4	-	
					10	88	2	2	-	
					7	62	-	4	-	
					5	44	-	3	-	
BE5	DR90 DR100 DR112 DR132	0.25	0.9	9	55	487	6	-	-	No
					40	354	2	4	-	
					28	248	2	2	-	
					20	177	-	-	6	
					14	124	-	-	4	
BE11	DR112 DR132 DR160	0.3	1.2	10	110	974	6	-	-	No
					80	708	2	4	-	
					55	487	2	2	-	
					40	354	-	4	-	
					28	248	-	3	-	Yes
					20	177	-	-	4	

### BE05 – BE11:

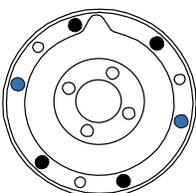
6 springs



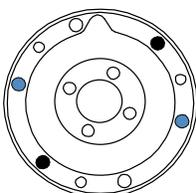
3 + 3 springs



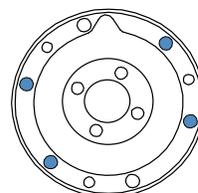
4 + 2 springs



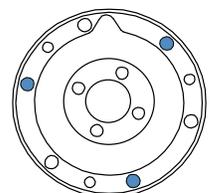
2 + 2 springs



4 springs



3 springs

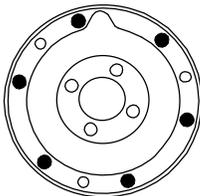


# Technical Note

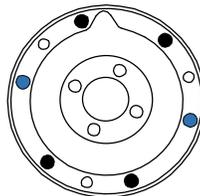
Brake Size	Motor Frame	Working Air Gap (mm) <sup>1)</sup>		Brake Disc <sup>2)</sup> (mm)	Brake Torque		Number of Springs		Additional Damping Plate / Pole Sheet
		Min	Max		Nm	lb-in	Normal	Blue	
BE20	DR160 DR180	0.3	1.2	12	200	1770	6	-	No
					150	1328	4	2	
					110	974	3	3	
					80	708	3		
					55	487	-	4	Yes
					40	354	-	3	
BE30	DR180 DR200 DR225	0.3	1.2	10	300	2655	8	-	No
					200	1770	4	4	
					150	1328	4	-	
					100	885	-	8	
					75	664	-	6	
BE32*	DR180	0.4	1.2	10	400	3540	4	4	No
					300	2655	4	-	
					200	1770	-	8	
					150	1328	-	6	
					100	885	-	4	Yes
	DR200 DR225	0.4	1.2	10	600	5310	8	-	No
					500	4425	6	2	
					400	3540	4	4	
					300	2655	4	-	
					200	1770	-	8	
					150	1328	-	6	
					100	885	-	4	

BE20:

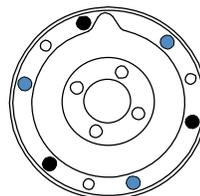
6 springs



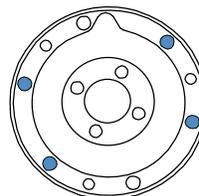
4 + 2 springs



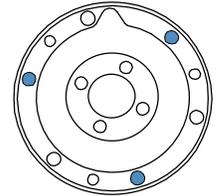
3 + 3 springs



4 springs

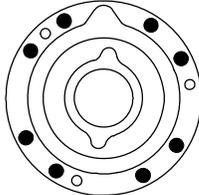


3 springs

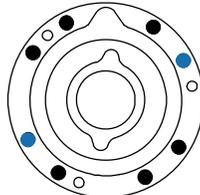


BE30 –  
BE122:

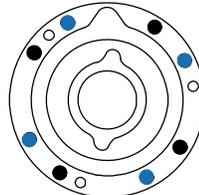
8 springs



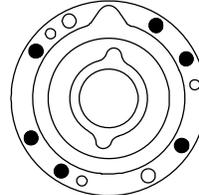
6 + 2 springs



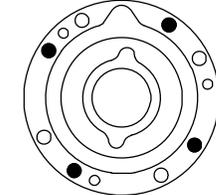
4 + 4 springs



6 springs



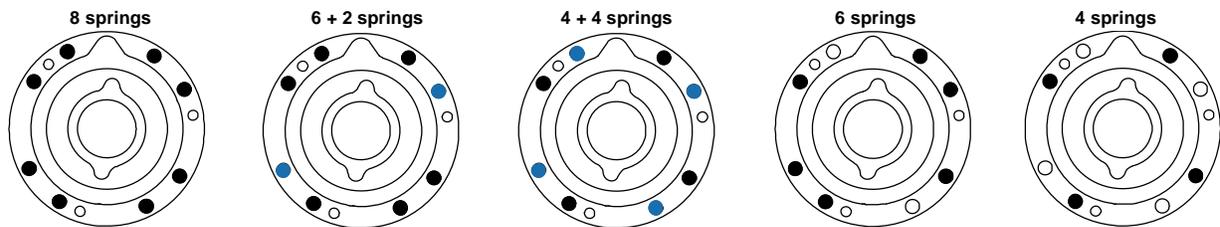
4 springs



# Technical Note

Brake Size	Motor Frame	Working Air Gap (mm) <sup>1)</sup>		Brake Disc <sup>2)</sup> (mm)	Brake Torque		Number of Springs		Additional Damping Plate / Pole Sheet
		Min	Max	Min	Nm	lb-in	Normal	Blue	
BE120	DR315	0.4	1.2	12	1000	8850	8	-	No
					800	7080	6	2	
					600	5310	4	4	
					400	3540	4	-	
BE122*	DR315	0.5	1.2	12	2000	17700	8	-	No
					1600	14160	6	2	
					1200	10620	4	4	
					800	7080	4	-	

## BE30 – BE122:



\* Double Disc Brake

1) For proper operation, the air gap between the damping plate and the pressure plate should not exceed the values shown. See Tech Note B-100 for more information on air gap and brake operation.

2) The brake disc requires a minimal thickness for proper operation. If the actual thickness is less than the value shown in the table above, the brake disc should be replaced.

# Technical Note

## BE Brake – Component Part Numbers

Brake Size	Brake Springs			Additional Damping Plate / Pole Sheet	
	Normal	Blue	White	Damping Plate	Pole Sheet
BE05	0135017X	13741373	13637789	13740563	-
BE1	0135017X	13741373	-	-	-
BE2	13740245	13740520	-	-	-
BE5	13740709	13740717	13747738	-	-
BE11	13741837	13741845	13747789	13741713**	13746995
BE20	13743228	13742485	-	-	13746758
BE30	01874551	13744356	-	-	-
BE32	01874551	13744356	-	-	13746731
BE120	13608770	13608312	-	-	-
BE122	13608770	13608312	-	-	-

\*\* Included in factory assembly