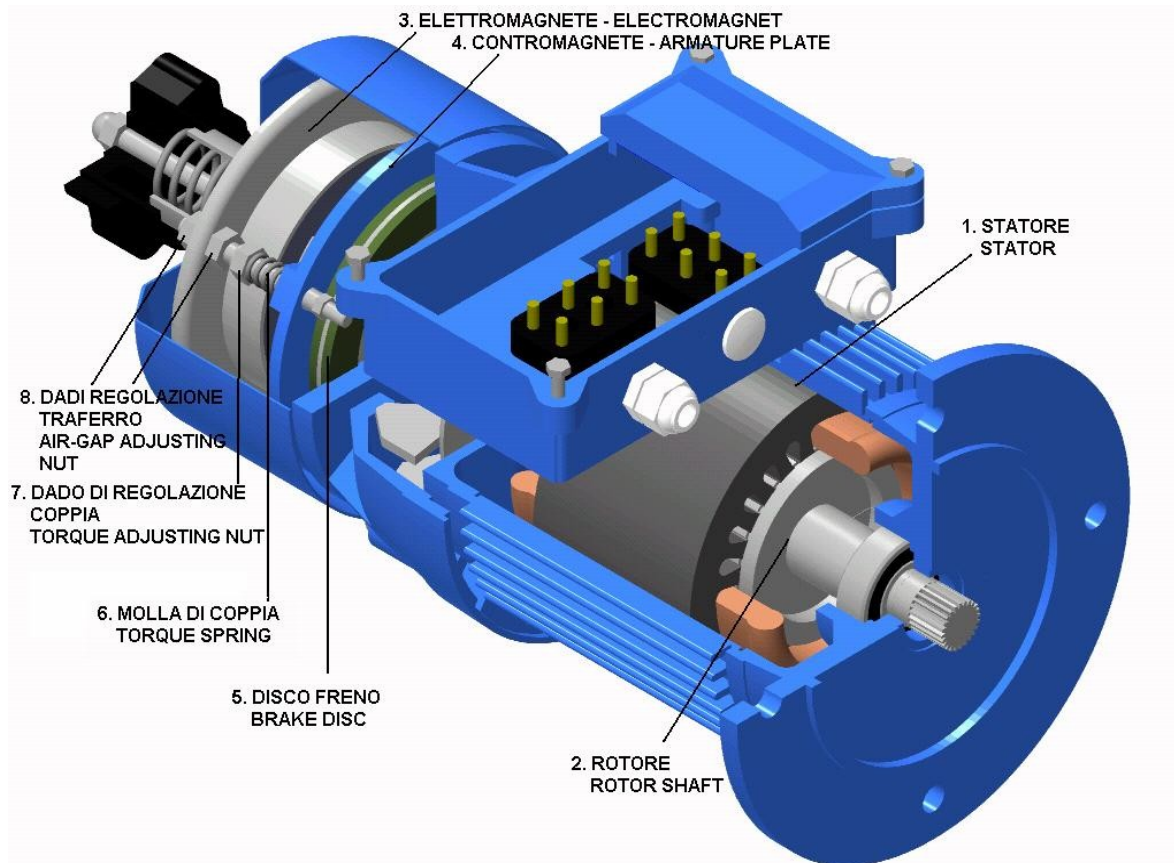




How to maintain Brake Series S-SDD-MS

It is possible, within a certain range, to modify braking torque by acting on the self-locking nuts [7] or by releasing the pressure springs [6] that act on the mobile clapper [4]. Height, measured on tension bars [9], must be the same for every spring thus keeping an uniform pressure given by springs themselves. See table I for minimum and maximum adjustment values of springs relative to different classes of brakes.

To adjust the air gap, just release the nuts [8] thus approaching the electromagnet [3] to the mobile clapper [4]. Once the air gap is back to original values (5/10÷7/10 mm for single-disc brakes and 8/10÷10/10 mm for two-disc brakes), just block the electromagnet by locking the nuts [8].

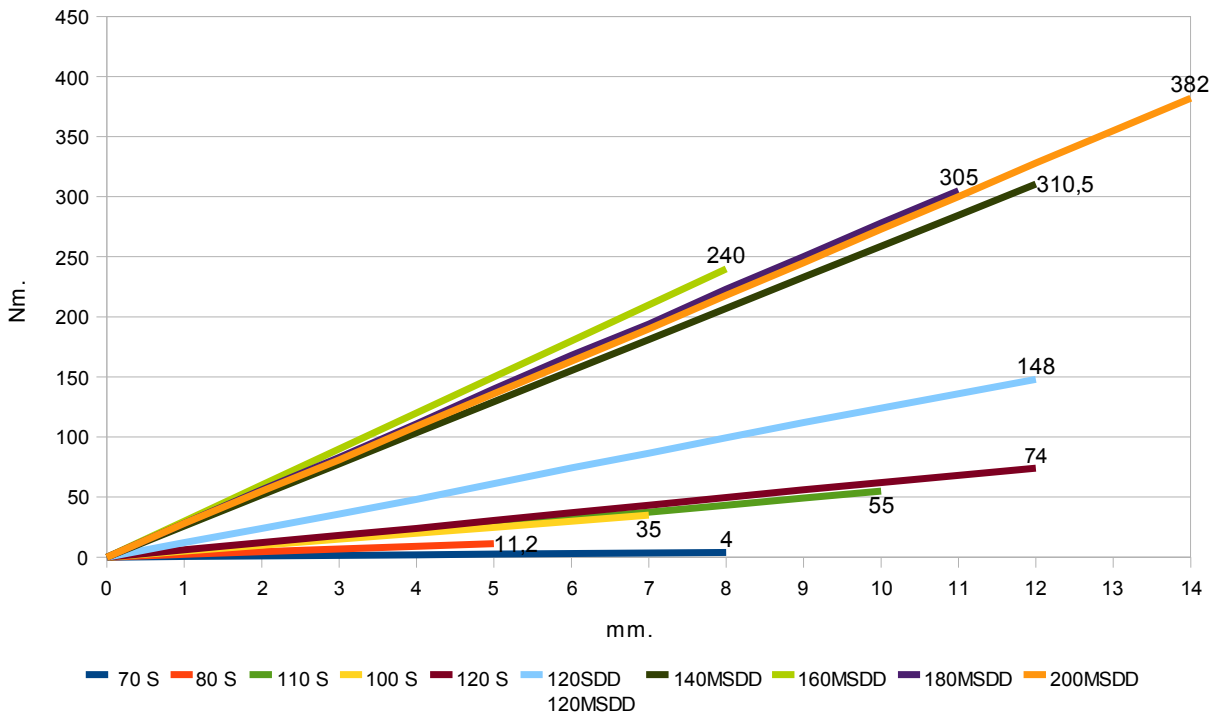


Check that air gap is uniform by using a thickness meter. Once springs [6] are adjusted and air gap is back to its original values, drive brake at its nominal voltage and check that:

1. the electromagnet [3] manages to attract efficiently the mobile clapper [4] without generating any buzz;
2. the mobile clapper manages to shift on tension bars [9] without friction;
3. the drive shaft [2] is free to revolve without attrition between braking surfaces.

The springs of the brakes are initially set for giving of static torque equal to around the

50% of the maximum static torque. For all the possible other regulations of couple to see the Table below



COMPRESSIONE MOLLE (mm)	70 S	80 S	100 S	110 S	120 S	120SDD 120MSDD	140MSDD	160MSDD	180MSDD	200MSDD
0	0	0	0	0	0	0	0	0	0	0
1	0,5	2,36	5	5,3	6	12	25,9	30	28	28
2	1	4,59	10	10,7	12	24	51,8	60	56	55
3	1,5	6,8	15	16	18	36	77,6	90	83	81
4	2	9	19,9	21,3	24	48	103,5	120	111	109
5	2,5	11,2	24,8	26,4	30,6	61,2	129,4	150	140	136
6	3		30	32	37,1	74,2	155,3	180	168	163
7	3,5		35	37,5	43,2	86,4	181,1	210	194	190
8	4			43,3	49,7	99,4	207	240	223	218
9				49,3	56	112	232,9		250	245
10				55	62	124	258,8		278	273
11					68	136	284,6		305	300
12					74	148	310,5			328
13										355
14										382



Illustrazione 1: Table and Graphic of Series T Torque Regulation

Air gap must be adjusted every time it exceeds original values by 50%:

- single-disc brake 1,2 mm
- two-disc brake 1,5 mm