D

C

B

A

I have measured gaps between magnets for 2 phases, HP and CP using plastic filler gages. I have moved diagonal magnet arrays manually by 8mm to switch from HP mode to CP mode. Results are below:

Gap measurement results (in 1/1000”)

|  |  |  |  |
| --- | --- | --- | --- |
|  | HP | CP | Δ |
| A-B | 39.5 | 32.0 | -7.5 |
| B-D | 28.5 | 33.0 | +4.5 |
| C-D | 42.5 | 37.5 | -5.0 |
| A-C | 29.5 | 32.5 | +3.0 |

As it was expected, A-C and B-D gaps have got bigger and A-B and C-D gaps – smaller. My guess is that slides are not rigid enough.