



# OPTIMAL<sup>®</sup>

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## Caliper with mechanical parking brake

Installation / calibration instructions for hand brake calipers

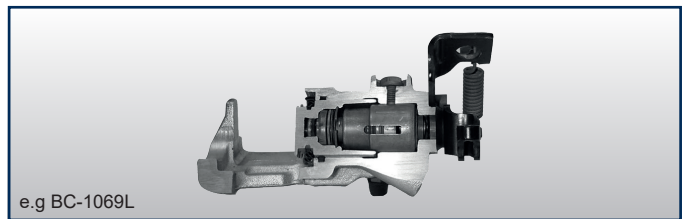
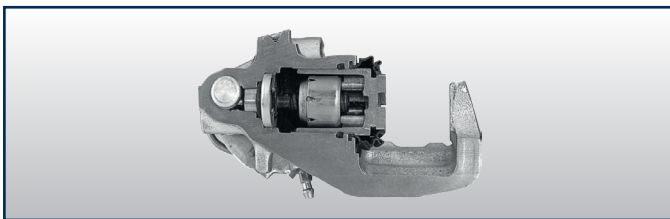
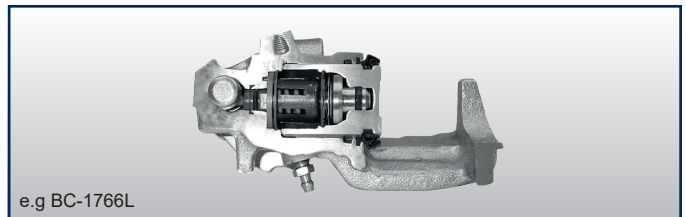
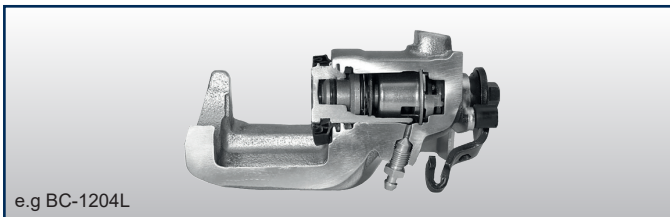
### Basic calibration of A, B and C

Usually hand brake calipers are so calibrated that the distance between the brake pad and the brake disc is at least  $= x + 1$  mm.

#### Note:

If the space is not  $(= x + 1$  mm), then it must be readjusted mechanically. If the distance is too large, the piston adjustment part deforms and could be damaged.

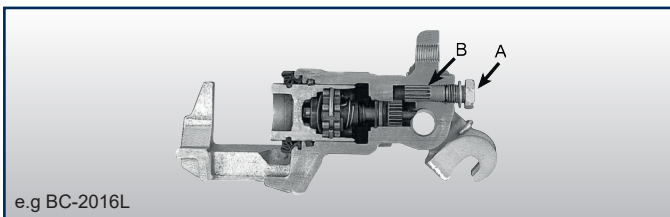
### A



Turn piston – usually right hand thread.

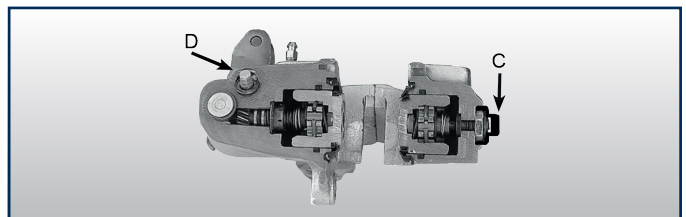
In some Bosch types left and right threads for adjustment of piston can occur.

### B



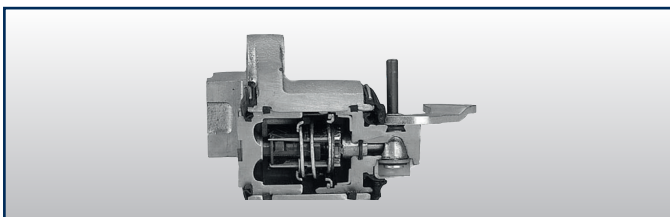
Remove bolt A, adjust hexagon head screw B.

### C



Remove plastic cap C. Loosen nut and adjust internal screw. Tighten nut again. Adjust hexagon head screw D at hand brake lever  $(= x + 1$  mm).

### D



No manual adjustment necessary! If space is too small, piston must be turned 45 degrees and pressed carefully back. Then turn piston back to original position.

#### In general:

After installation and basic adjustment of the brake caliper, apply moderate pressure (up to 30 times) while simultaneously operating the handbrake lever.