

Mounting of CANVIK Brake Disc Lathe A5 and M5

Which adapter set to use?

Select the adapter set with threads matching the brake calliper mounting bolts. 10 different adapter sets are delivered with the machine: No. 1, 3, 7, 8, 9, 11, 12, 13, 48, 60. The number is stamped into the adapter except on the hollow adapters No. 7. These 10 sets are suited for the majority of vehicles. The various types of threads appear from the list of accessories. Adapter sets for unusual bolt sizes can be supplied separately.

Example:

Measure the size of the brake calliper mounting bolts:

Outside size of thread is 8 mm, pitch of thread is 1.25 mm. Length with thread is 12 mm => use adapter No. 1 (M8 x 1.25 mm L = 12 mm)

If the calliper mounting holes are not threaded, use the hollow adapters (adapter no. 7), the threaded bars (no. 95.1358.114), and appropriate allen bolts (pos. no. 93, 95, 110, or 111).



Which carrier to use?



A carrier for 4 bolt wheels and a carrier for 5 bolt wheels are delivered with the machine. These carriers suit the majority of vehicles.

A carrier for 3 bolt wheels can be supplied separately.

Pos. 430



Some 4WDs require the use of a carrier for 6 bolt wheels with extension arms. This applies to:
 MITSUBISHI Pajero
 NISSAN Patrol/King Cap
 TOYOTA Pick Up/Hilux/Hiace/Land Cruiser
 ISUZU Campo/Trooper
 FORD Maverick

Pos. 460



For vehicles with particularly large hubs (higher than 70 mm) extension kit for 3, 4 and 5 bolt carriers should be used.

Pos. 470

Extension kit mounted



Some 4WDs require the use of a special carrier for 5 bolt wheels.

This applies to SUZUKI Grand Vitara.

Pos. 455

When to use spacer?

The machine is equipped with standard adapter arms and spacers. The short adapter arms can be supplied separately.



short adapter arm

standard arm

spacer (20 mm wide)

splice



When distance from the bottom of the adapter to the centre of the disc (measurement A) \geq 58 mm spacer should be used.

When to use short adapter arms?

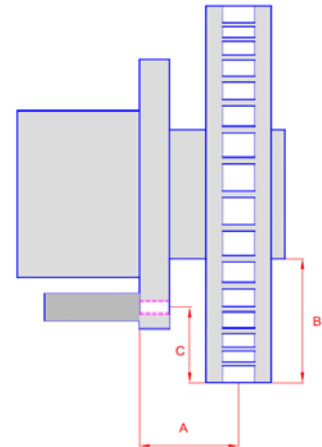
When the surface of the disc (**measurement B**) minus the distance between the centre of the thread and the outer edge of the disc (**measurement C**) ≥ 30 mm short arm should be used.

Example:

B: 60 mm - C: 10 mm = 50 mm

50 > 30 => use short arm

In some cases when using the short adapter arms they should be mounted on the arm BEFORE the adapters are tightened. This applies to vehicles where lack of space or the disc size prevents the lathe head from being mounted sideways.



How to do if lack of space?

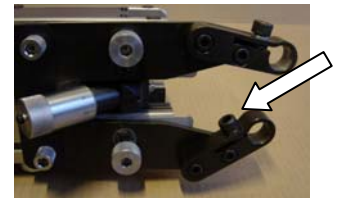
On some vehicles it is not possible to mount the lathe as described due to lack of space.

Case No 1:

There is not enough room to tighten the allen nut on the splice of the adapter arm, for instance due to some part of the car structure or a handbrake cable being in the way. E.g. rear wheel of FORD Mondeo.

Solution:

Dismantle the splice and turn it around so that the allen nut can be tightened with an allen key from the other side.



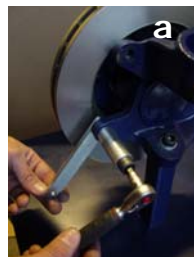
Case No 2:

There is not enough room to place the lathe head sideways onto the adapters due to lack of space inside the fender. E.g. rear wheel of TOYOTA Avenis.

There might also be some cases where for instance a bolt on the McPherson strut makes it impossible to place the lathe head sideways onto the adapters.

Solution:

Mount the lower adapter (a) and mount the lathe head on the lower adapter (b). Tilt the lathe head upwards, place the other adapter in the upper adapter arm and mount it in the calliper mounting hole (c).



In some cases it might be more convenient to perform the operation in reverse order: Mount the upper adapter first, tilt the lathe head downwards and mount the lower adapter last.

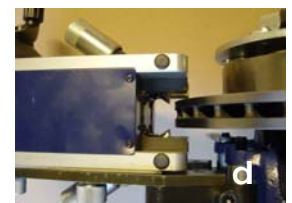
Case No 3:

In some cases the large size of the brake disc makes it impossible to mount the lathe head from the side – also in spite of the fact that the arms have been pushed forward as far as possible and short arms are being used.

Solution:

Same solution as case No 2.

Like in case no 2 it might in some cases be more convenient to perform the operation in reverse order: Mount the upper adapter first, mount the lathe head on the upper adapter and turn the lathe head downwards over the brake disc which is now centered between the cutting tools (d). Finally, the lathe head is fixed on the lower adapter.



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