

# Unified slave cylinders on Magura rim brakes HS 33 and HS 11 from week 13/2010 onwards

As of delivery week 13/2010 Magura unifies the slave cylinders of the rim brakes. Instead of having 2 different slave cylinders per brake (one cylinder with M6/M8 threads, one cylinder with M6/M6) there will be identical slave cylinders with M6/M8 threads in future, as shown in the picture on the right.



This slave cylinder unification involves a slightly changed handling concerning the hose fitting and shortening.

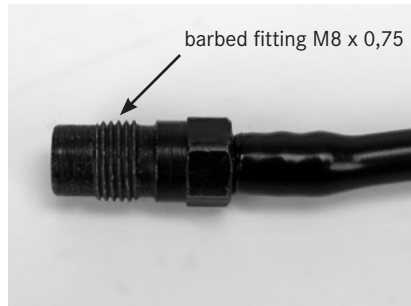
## Hose shortening with unified slave cylinders

The brake is delivered like this:



Shorten the main hose to the requested length with the hose cutter as shown.

**Hold the hose carefully at the cutting point so that it cannot snap away! Never activate the lever blade with an open system!**



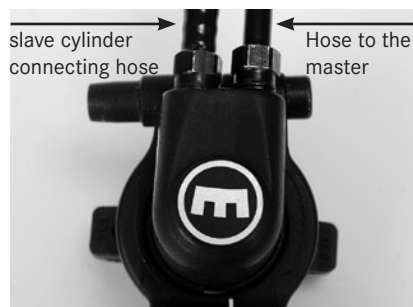
Unscrew the remaining hose with the barbed fitting M8 x 0,75 from the slave cylinder and dispose it of.

## Preparation of the main hose



Slide the sleeve nut and a new olive onto the shortened hose.

## Brake after correct hose shortening



Insert the hose **fully** into the slave cylinder. Do not crossthread! Use an 8 mm open-end torque wrench and tighten with **4 Nm/34 in. lbs.**



Always check for correct installation by pulling the hose. Make sure that the system has no leaks by activating the levers and checking all hose connections.