

## DAMPER RECYCLING GUIDE

Our products have been manufactured to reach longest possible lifetime and maximum recyclability. This is the best way for us to reduce environmental impact of dampers. However even the best damper will someday reach the end of its lifetime and therefore it is essential that recycling is done correctly.



### 1. Recycling instructions for shock absorbers

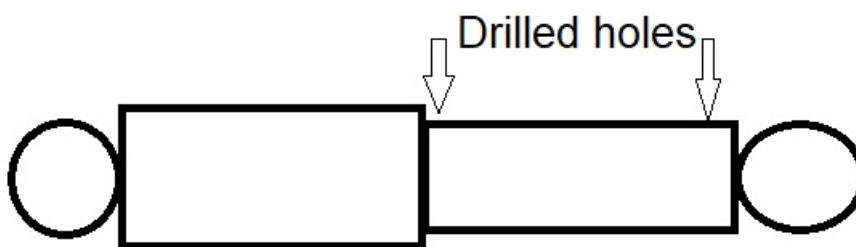
Do not heat shock absorbers, as this may lead into explosion, or casing may leak and oil will spray out. Do not throw away shock absorbers carelessly and do not dispose with household waste. Shock absorbers contain mineral oil, which may cause serious environmental damage if it ends up to soil, groundwater or water in general.

### 2. Removing the damper oil

Twin tube dampers have a cylinder tube, reservoir tube and an outer dust cover tube. Piston and the piston rod are moving inside the cylinder tube. Cylinder tube is filled with oil. The reservoir tube is partially filled with oil and the other part is filled with air.

The procedure to remove the damper oil is described as follows:

- 1) Remove the protective tube if possible or pull the damper to its maximum length
- 2) Drill one hole (approx. Ø5 mm) into the air filled part of the reservoir (approx. 40 to 50 mm below the upper edge of the damper body or approx. 20 mm below the dust cover tube)
- 3) Drill another hole (approx. Ø5 mm) just above bottom valve through reservoir and cylinder tube wall.
- 4) Leave damper in vertical position and allow the oil to flow from lower drilled hole into container.



Waste oil must be disposed as described above, metallic parts of the damper should be taken to scrap metal recycling.

### 3. Recycling

Damper contains usually approximately 60-90 % recyclable material (steel).

Please take care to organize recycling for all metallic parts and oil according to local environmental laws and regulations. Please note that in many areas it is possible also to recycle used oil.

If you observe these points and proceed correctly, it is easy to recycle dampers in an environmentally friendly way