

## Standard-Metallwerke GmbH - Press Release

Seamless aluminium tubes in coils: Precision drawn aluminium tubes made from seamless extruded material in coils!

Working with drawn aluminium tubes one had two choices:

- Tubes in coils (or length), drawn from porthole extruded material and mainly limited to soft alloys like EN-AW3003 or EN-AW3103.
- Tubes from seamless or mandrel extruded material and hard alloys but only available in length of up to 6-7m.

Standard-Metallwerke now offers a new product range bringing together the best of both worlds: precision drawn aluminium tubes in coils made from seamless extruded material and available in hard alloys like e.g. EN-AW5049. In this combination coil weight up to 250kg are possible giving a tube length e.g. 2000-3000m for an 10x1mm tube size.

The new development combines a particular form in supply of pre-material with a special connecting technic to achieve a strong connection surviving the coiling, re-drawing, de-coiling and straightening on a conventional cutting machine. This connection is still open for gas to run through the whole coil thus allowing the necessary flush during an annealing process. The connections can be easily detected in the cutting machine with the usual means like eddy current or laser detection.

The great advantage lies in the reduction of the cutting scrap by 10-20% depending on the range of cut length. Besides this usage it also delivers tube length of 100-300m of seamless aluminium tubes for applications in the chemical or gas processing industry.

The first production applications started in sizes from 8-12 mm OD. The next step will extend the range up to 16mm OD. Standard-Metallwerke started with EN-AW5049 as the widely used alloy for climate line in cars. In the same family of alloys coils can also be delivered in EN-AW5052 and EN-AW5754. Optional available are alloys of the 6000 series range like EN-AW6060, EN-AW6061 up to EN-AW6082. On the soft alloy side EN-AW3003/3103 are planned. The aluminium tubes fulfil the ISO standards: EN573-3, 754-2 and 754-7 plus the ASTM B210 and ASTM B241 norm.

About Standard Metallwerke GmbH:

Based in Werl, Germany, Standard-Metallwerke GmbH is the expert in the field of precision drawn aluminium tubes and copper tubes. With a turnover of close to 70 million Euro and more than 300 employees the company serves customers operating in the automotive industry as well as in refrigeration and air-conditioning, general industry, aviation engineering and solar technology sectors.

Standard-Metallwerke GmbH produces on customer order only following the standards and demand of our clients.

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