

**Identification of 5283 alloy cylinders manufactured
by Société Métallurgique de Gerzat**

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**Identification of 5283 alloy cylinders manufactured
by Société Métallurgique de Gerzat****1. Subject and use unit**

This document details the elements that allow identification of 5283 aluminium alloy (AA5283) cylinders manufactured by Société Métallurgique de Gerzat.

Other names of the 5283 alloy :

- AG5
- AG5MO7

This document concerns gas cylinders for compressed or liquified gases. It does not deal with acetylene cylinders.

2. History

Société Métallurgique de Gerzat has manufactured cylinders using 5283 (AG5) aluminium alloy since 1960 following various design regulations.

3 Markings allowing the identification of a SMG cylinder (all alloys)

The cylinders have one of either stamped markings :

- SMGERZAT
- SMG

4. Cylinders in 5283 alloy manufactured before 05.01.1977

The cylinders markings do not mention the alloy.

The base of the 5283-alloy cylinders has specific stamp markings.

Cylinders having feet (mainly fire extinguisher bodies) :

These cylinders have two bosses on the base, as per the following diagram :

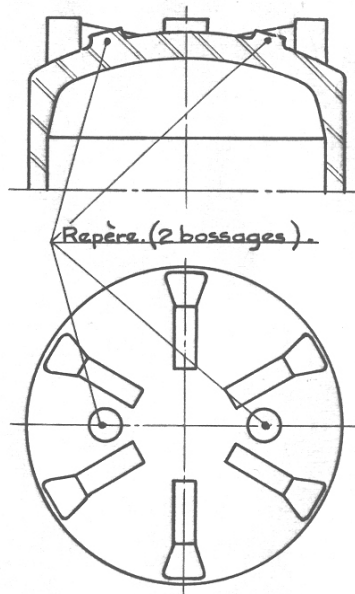


Figure 1 : Side of the 2 bosses on the feet base

Flat-base or convex-base cylinders

These cylinders have on the base two concentric circles, as per the following diagram :

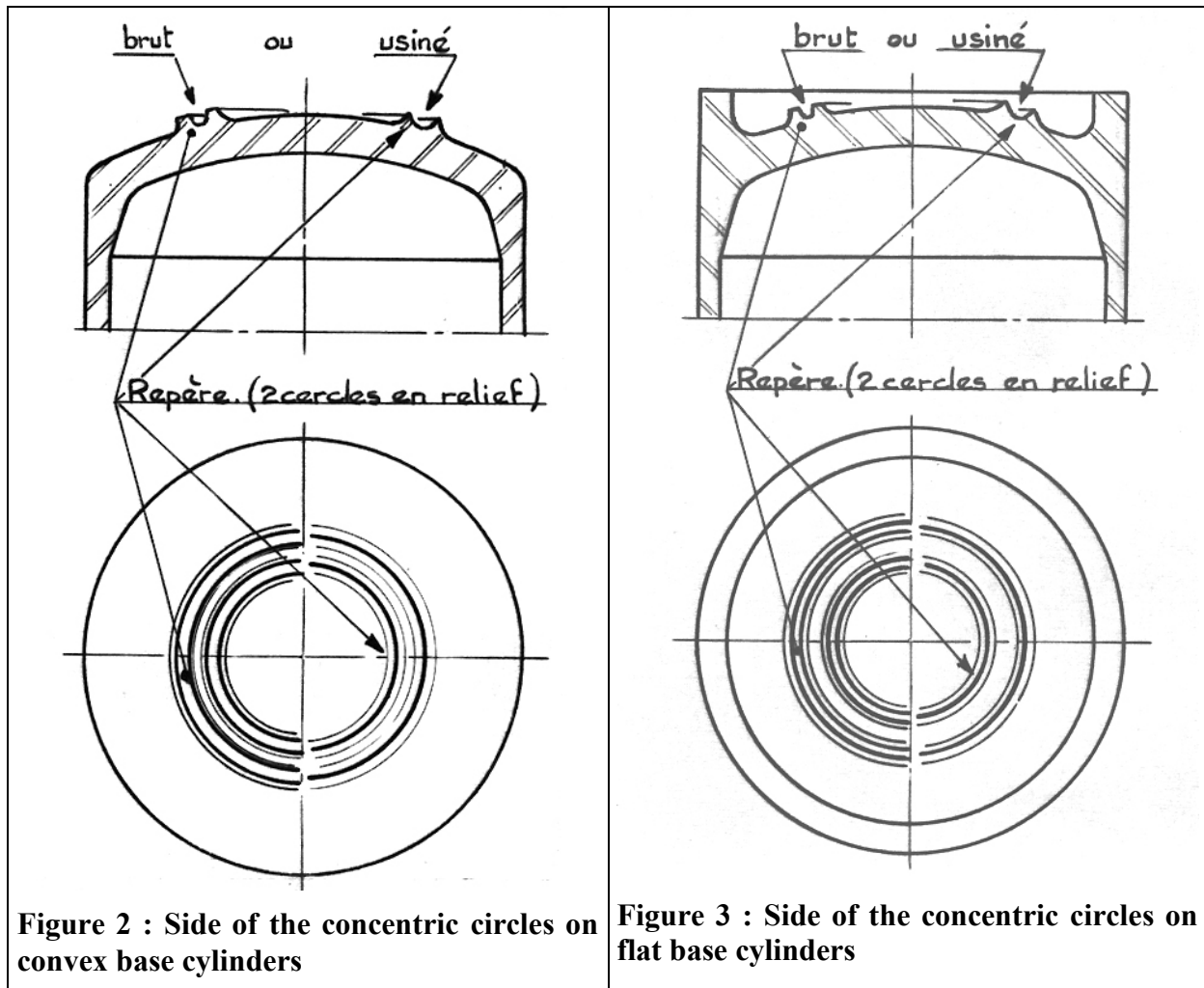


Figure 2 : Side of the concentric circles on convex base cylinders

Figure 3 : Side of the concentric circles on flat base cylinders

5. Cylinders manufactured after 05/01/1977

The cylinder marking mentions the type of alloy: AG5 or 5283

Between 05/01/1977 and 05/01/1981	AG5
From 05/01/1981	5283

6. Steel-wire hoop-wrapped cylinders

All the steel-wire hoop-wrapped cylinders have a liner made of 5283 alloy. As for the standard cylinders, before January 5th 1977, the cylinder markings do not mention the alloy type.

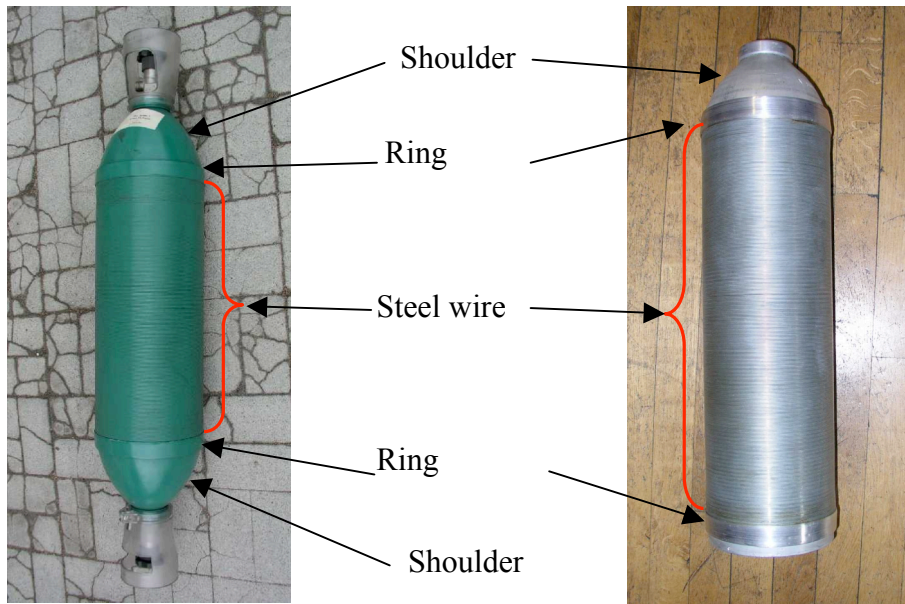


Figure 4 : 2 shoulders steel wire cylinder

Figure 5 : 1 shoulder steel wire cylinder
