ARRI GS1 Identification Solution for ARRI Filters

GUIDELINE

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1   GS1© Barcodes

GS1 is a nonprofit organization that develops and maintains global standards for business communication. The best known standard is a barcode: a symbol printed on products that can be scanned electronically. GS1 barcodes are scanned more than six billion times every day. GS1 has 112 local member organizations and 1.5 million user companies.

GS1 standards are designed to improve the efficiency, safety, and visibility of supply chains across physical and digital channels in 25 sectors. They form a business language that identifies, captures, and shares key information about products, locations, assets, processes, and more. It allows products to be tracked, processed, and stored all around the world.

Some of the GS1 barcodes are: EAN/UPC, GS1 Data Matrix, GS1-128, GS1 DataBar, and GS1 QR Code.

For further information please check The GS1 system of standards or visit www.gs1.org

2   Why is ARRI using GS1 barcodes to identify their range of filters?

The GS1 barcode on ARRI Filters can be identified globally and makes rental check-ins and check-outs easier. They provide proof of ownership and eliminate the need for stickers that can fall off or leave residue on the filter.

Please be aware, the encoded information of ARRI's GS1 GTIN code is different to the usual ARRI product barcode labels.

3 Where is the barcode located on an ARRI Filter?

- Sticker on the upper flap of the packaging
- Paper label inside transparent envelope on top of filter pouch
- Sticker on glassine envelope containing the filter
- Laser engraving on glass surface of the filter

4 What do ARRI GS1 barcode numbers look like?

Example of an ARRI GS1 barcode number: (01)04060771000025(21)G3103

Explanation:

(01)   01 in parentheses is the Global Trade Item Number (GTIN) which identifies the number following as a company code and a product item number.

04060771   Stands for Arnold & Richter Cine Technik GmbH & Co Betriebs KG.

00002   Stands as a code for our product item number.

5   Last number is an error checking number (checkdigit).

(21)   21 in parentheses is the identifier for the following serial number.

G3103   ARRI products with GS1 barcode, the serial number always starts with a character, followed by a four digit number. The serial number is random and unique.

Parentheses are not encoded in GS1 barcodes, only numbers and characters.
They are marker signs for the following numbers and characters.

5 Recommended scanners and how to use them

ARRI recommends 2D image scanners from e.g. Honeywell© or Datalogic©

Please avoid very bright or white background while scanning low density filters like FSND 0.3; the contrast might be too low for the scanner.

Each scanner manufacturer uses different program codes for different barcode styles.

It is not possible to list them all and ARRI can only provide a general guideline for data entry but not for programming particular image scanners.

Please make sure your image scanner is programmed to read only the five numbers after the marker sign (21). The marker sign (01) followed by the first 14 numbers should not be registered.

According to transactions in ERP systems, you may program a "TAB" or an "ENTER" after capturing the serial number. The cursor jumps into the next field to enter the next serial number.