Specifications
for
Excel Report Definition
for
Superlock II

Revision

Date	Version	State
2018.10	Ver 1	Revised
2019.07	Ver 2	Document Rename
2019.11	Ver 3	Added new data field
2020.01	Ver 4	Added #KEY_KEYCUT [A, B]
2020.03	Ver 5 Superlock II V1.0.12 required	Added #CYL_COMPRESSED_KEY_AMOUNT
2020.03	Ver 5 Superlock II V1.0.12 required	Added Addresses section
2020.07	Ver 6 Superlock II V1.0.15 required	Added 4KS fields
2020.08	Ver 7 Superlock II V1.0.18 required	Added #ADDTITLE_(FREE1-20,INDEX1-2) fields
2021.04	Ver 9 Superlock II V1.0.30 required	Added 4KS fields

Introduction

This document is a reference for the Excel File Generator Definition Templates that permit users to generate reports for keys, cylinders and lock charts with the Superlock II.

The templates used to generate Excel reports itself are also Excel files with 4 sheets that will be explained with details: **Report**, **Fieldlist**, **Info** and **Translation**.

All these sheets must exist and their names should not be changed.

There are several default fulfilled templates: List of **keys**, list of **cylinders**, **cylinder-keys** checklist and **lock chart**; that can be edited to customize the reports style, header and table texts and field contents.

Requirements

To view and edit the final reports and also the templates you need a the spread sheet software Office Excel

Info

This sheet enables the user to define the information that should be in the report definition.

The following info attributes are allowed in the info table, but not all of them are required.

Fixed attributes

NAME

This contains the name or the purpose of the file definition. This attribute is mandatory.

FORMAT

For now, the only possible value is: “Excel”.

TYPE

The possible value are:

- “Keys” for a file generated for a key cutting machine.
- “Cylinders” for a file generated for a cylinder pinning.

This attribute is mandatory, and it must be defined.

DESCRIPTION

This attribute enables the user to create a description and notes for the file.

CREATOR

Information about who or which company has created this file.

VERSION

The version of the file definition.

Custom TAG attributes

TAG

This is a special attribute that is defined by a key value pair. It can be used to create new parameters for any kind. It is possible to have more than one Tag attribute in the metadata section.

Example

TAG “Instructions” “ This definition is created to transfer cylinders – keys can use to an excel file”

TAG „Tag Name 2“ „Tag Value 2“

TAG „Tag Name n“ „Tag Value n“

Tag parameters are optional; except these tags, which are required:

TAG LANGUAGE

It’s a list of the available languages in the report labels, separated by comma to define multiple languages

f.ex. English, Spanish, Portuguese

There should be, at least, one language.

More details about how to put and translate the texts are explained in the translation section of this guide.

TAG EXCEL REPORT

This attribute defines the type of report. The possible types are:

MasterCylindersKeys	Cylinders list with nested keys list under every cylinder
MasterKeysCylinders	Keys list with nested cylinders list under every key
ListKeys	List of keys
ListCylinders	List of cylinders
Lockchart	Key-cylinder accesses represented with a matrix

Example of INFO sheet

	Parameter name	Parameter value	Tag Parameter value
3	#NAME	Excel Master Cylinders - Keys	
4	#TYPE	Cylinders	
5	#FORMAT	Excel	
6	#DESCRIPTION	This is a file definition for a excel file by A2	
7	#CREATOR	A2 Software Cambrils	
8	#VERSION	3.0	
9	#TAG	(C)	A2 Software Cambrils
10	#TAG	Date Creation	23/04/2018
11	#TAG	Instructions	This definition is created to transfer cylinders - keys can use to an excel file
12	#TAG	Excel Report	MasterCylindersKeys
13	#TAG	LANGUAGE	English, Spanish, Portuguese

Translation

This sheet permits the user to define custom texts to put on the report that can be translated.

First of all, the user has to define the tag language in the info sheet. For example:

Parameter name	Parameter value	Tag Parameter value
#NAME	Excel Master Cylinders - Keys	
#TYPE	Cylinders	
#FORMAT	Excel	
#DESCRIPTION	This is a file definition for a excel file by A2	
#CREATOR	A2 Software Cambrils	
#VERSION	3.0	
#TAG	(C)	A2 Software Cambrils
#TAG	Date Creation	23/04/2018
#TAG	Instructions	This definition is created to transfer cylinders - keys can use to an excel file
#TAG	Excel Report	MasterCylindersKeys
#TAG	LANGUAGE	English, Spanish, Portuguese

The first column is required to define every tag name of the translation text.

The second and the following columns are used to define the text values in every defined language.

Note: It's required that the name of the texts starts with the characters "#TEXT_"; for example, "#TEXT_TITLE"; otherwise, the report generator can't translate de text.

In case a value in a language is not defined the generated report will show the label without translation.

The Report section of this guide shows how to use these tags.

TRANSLATION sheet content

1	TEXT TRANSLATIONS			
2	TAGS	ENGLISH	SPANISH	PORTUGUESE
3	*#TEXT_SYSTEM_NUMBER*	SYSTEM NUMBER	NÚMERO SISTEMA	NUMERO DO SISTEMA
4	*#TEXT_TITLE*	CYLINDERS CHECK LIST	CHECK LIST CILINDROS	TÍTULO DO RELATÓRIO
5	*#TEXT_SYSTEM_PROJECT*	SYSTEM PROJECT	PROYECTO SISTEMA	PROYECTO DO SISTEMA
6	*#TEXT_SYSTEM_CASE*	SYSTEM CASE	CASO SISTEMA	CASO SISTEMA
7	*#TEXT_CUSTOMERNUMBER*	CUSTOMER NR	CLIENTE NUM	CLIENTE NUM
8	*#TEXT_CUSTOMERNAME*	CUSTOMER	CLIENTE	CLIENTE NOME
9	*#TEXT_CREATIONDATE*	DATE	FECHA	ENCONTRO
10	*#TEXT_SYSTEMPROJECT*	PROJECT	PROYECTO	PROJETO
11	*#TEXT_SYSTEMCASE*	CASE NR	CASO NUM	CASO NUM
12	*#TEXT_SYSTEMINIT*	INIT	INIT	INIT
13	*#TEXT_COMPANY_NAME*	COMPANY NAME	NOMBRE COMPAÑÍA	NOME COMPANHIA

Field list

The intention of this sheet is to show a reference about all the available fields that can be generated in the report.

It should not be edited.

Note that all values starts with a # symbol; for example, #SYSTEM_NUMBER.

The Report section of this guide shows how to use these fields and when to use.

Page header and page footer single fields

These fields are single values that can be putted anywhere in the pageheader or pagefooter sections of the report.

#XLOGO	Logo defined for the company
#XPAGENUMBER	The report page number
#XDATE	The report generation date
#XSORT	The report sort order selected in the options windows by the user
#XNAME	The name of the file report defined in the info metadata
#XUSERINITIALS	The initials of the user generating the excel report

#SYSTEM_AREA	Area where the lock system is located
#SYSTEM_CASE	Case number of the lock system
#SYSTEM_CREATEDDATETIME	Date when the lock system was created
#SYSTEM_DELIVERYDATETIME	Date the system was delivered
#SYSTEM_INDEX1	The second last fields in the Administration / System fields in the right column
#SYSTEM_INDEX2	The last fields in the Administration / System fields in the right column
#SYSTEM_INITIALS	Initials of the user saving with the lock system
#SYSTEM_LOCKCHARTREMARKS	Short comments that comes from the lock chart
#SYSTEM_NOTES	Noted from the administration screen
#SYSTEM_PROJECT	Project name of the lock system
#SYSTEM_SECURITYSTEPS	The security step requires by the user to access this lock system
#SYSTEM_SYSTEMNO	The system number of the system
#COMPANY_ADDRESS1	1st address field of the company specified in the Superlock Company Data information
#COMPANY_ADDRESS2	2nd address field of the company specified in the Superlock Company Data information

#COMPANY_CITY	City of the company specified in the Superlock Company Data information
#COMPANY_COMPANYNAME	Name of the company specified in the Superlock Company Data information
#COMPANY_EMAIL	Email of the company specified in the Superlock Company Data information
#COMPANY_FULLADDRESS	Full address of the company specified in the Superlock Company Data information; composed by Address1+Address2+Zip+City.
#COMPANY_IMAGE	Image of the company specified in the Superlock Company Data information
#COMPANY_PHONE	Phone of the company specified in the Superlock Company Data information
#COMPANY_ZIPCITY	Zip city of the company specified in the Superlock Company Data information
#COMPANY_ZIPCODE	Zip code of the company specified in the Superlock Company Data information
#ADDINF_FREE1 … #ADDINF_FREE20	Additional free information from 1 to 20
#ADDTITLE_FREE1 … # ADDTITLE_FREE20	Titles of additional free information from 1 to 20
#ADDTITLE_INDEX1	Title of additional index1 field
#ADDTITLE_INDEX2	Title of additional index2 field

#CUSTOMER_ADDRESS1	1st address field of the lock system customer
#CUSTOMER_ADDRESS2	2nd address field of the lock system customer
#CUSTOMER_CITY	City of the lock system customer
#CUSTOMER_CUSTOMERNO	Number of the lock system customer
#CUSTOMER_EMAIL	Email of the lock system customer
#CUSTOMER_FULLADDRESS	Full address of the lock system customer; composed by Address1+Address2+Zip+City.
#CUSTOMER_NAME	Name of the lock system customer
#CUSTOMER_PHONE	Phone of the lock system customer
#CUSTOMER_ZIPCITY	Zip city of the lock system customer
#CUSTOMER_ZIPCODE	Zip code of the lock system customer

#CONTACT_ADDRESS1	1st address field of the lock system contact person
#CONTACT_ADDRESS2	2nd address field of the lock system contact person
#CONTACT_CITY	City of the lock system contact person
#CONTACT_EMAIL	Email of the lock system contact person
#CONTACT_FULLADDRESS	Full address of lock system contact person; composed of Address1+Address2+Zip+City.
#CONTACT_NAME	Name of the lock system contact person

#CONTACT_PHONE	Phone of the lock system contact person
#CONTACT_ZIPCODE	Zip code of the lock system contact person

#RESPONSIBLE_ADDRESS1	1st address field of the responsible
#RESPONSIBLE_ADDRESS2	2nd address field of the responsible
#RESPONSIBLE_CITY	City of the responsible
#RESPONSIBLE_EMAIL	Email of the responsible
#RESPONSIBLE_FULLADDRESS	Full address of the responsible; composed by Address1+Address2+Zip+City.
#RESPONSIBLE_NAME	Name of the responsible
#RESPONSIBLE_PHONE	Phone of the responsible
#RESPONSIBLE_ZIPCODE	Zip code of the responsible

#DEALER_ADDRESS1	1st address field of the dealer
#DEALER_ADDRESS2	2nd address field of the dealer
#DEALER_CITY	City of the dealer
#DEALER_DEALERNO	Number used to identify the Dealer
#DEALER_EMAIL	Email of the dealer
#DEALER_FULLADDRESS	Full address of the dealer; composed by Address1+Address2+Zip+City.
#DEALER_NAME	Name of the dealer
#DEALER_PHONE	Phone of the dealer
#DEALER_ZIPCODE	Zip code of the dealer

#LOCKTYPE_BOWTIP	Illustrate from which end of the key the cuts are counted
#LOCKTYPE_NAME	Locktype name defined in the lock technical information of the lock system
#LOCKTYPE_TRACK2	ICS lock type key track 2
#LOCKTYPE_TRACK3	ICS lock type key track 3
#LOCKTYPE_TRACK4	ICS lock type key track 3
#LOCKTYPE_PROFILESET	The profile set defined in the lock technical profile info
#LOCKTYPE_SYSTEMTYPE	The system type defined in the lock technical other info

Collection fields available in body sections

This is the collection of fields for keys, cylinders and cylinder codes that can be used in the program.

These fields can be put in sections or subsections of the report.

KEY FIELDS

#KEY_ALTMARKING	Alternative marking of the key in the lock system
#KEY_CALCEDTYPE	Illustrates if a key was automatically or manually calculated
#KEY_COMMENT	Comment used in each key
#KEY_CVT	CVT of the key
#KEY_DELIVERED	Amount of real keys delivered for one key line in the lock system
#KEY_KEYCODE	The cutting code of the key
#KEY_KEYCODE_4KS	The cutting code of the key for 4KS systems
#KEY_KEYCODE_4KS_STANDARD	The cutting code as standard of the key for 4KS systems
#KEY_KEYCUT [A, B]	The cutting code range from A to B of the key
#P600_KEYCODE	The cutting code of the key of P600 systems
#KEY_KEYSTATUS	Status of the key. Such as is it for an extension, abandoned code or normal key
#KEY_KEYTYPE	Type of the key. Such as is it group or single
#KEY_MARKING	Marking of the key
#KEY_NAME	Name of the key
#KEY_ORDERED	Amount of keys ordered but not yet delivered for one key line
#KEY_POSITION	Position of the key in the key list
#KEY_PROFILENAME	Short name of the profile assigned to the key
#KEY_PROFILELONGNAME	Name of the profile assigned to the key
#KEY_PROFILEREF	Reference to the profile assigned to the key
#KEY_TRANSLATEDCODE	Different values that can represent key codes, instead of 1, 2, 3, 4 etc…
#KEY_TOTAL	The total number of keys for one line
#VAR	In the report export options is the Orders type selected (Ordered, Delivered or Total) quantity
#SER	Like #VAR but using a series notation

CYLINDER FIELDS

#CYL_ALTMARKING	Alternative marking of the cylinder in the lock system
#CYL_CHANGEDDATE	Date pins have been added to an existing cylinder. E.g. when calculating an extension
#CYL_CYLINDERSTATUS	Status of the cylinder. Such as normal, extension
#CYL_CYLINDERTYPE	Type of the cylinder. Such as central, single
#CYL_TYPEOFCYLINDER	Text for describing the cylinder product
#CYL_CODES	Cylinder pinning codes
#CYL_CODES_3KS	Cylinder pinning codes formatted for 3KS systems
#CYL_CODES_4KS	Cylinder pinning codes formatted for 4KS systems

#CYL_CODES_ICS	Cylinder pinning codes formatted for ICS systems
#CYL_COMMENT	Comment used in each cylinder
#CYL_COMPRESSED_KEY_AMOUNT	In the report export options is the Orders type selected (Ordered, Delivered or Total) quantity owned by keys inside a compressed range
#CYL_DELIVERED	Amount of real cylinders delivered for one cylinder line in the lock system
#CYL_DESIGNATION	For the color/finish of the cylinder
#CYL_LENGTHIN	Inside length
#CYL_LENGTHOUT	Outside length
#CYL_LOCKTYPE	Text for describing the cylinder product
#CYL_MARKING	Marking of the cylinder in the lock system
#CYL_NAME	Name of the cylinder in the lock system
#CYL_ORDERED	Amount of real cylinders ordered and not yet delivered for one cylinder line in the lock system
#CYL_POSITION	Position of the cylinder in the cylinder list
#CYL_PROFILENAME	Short name of the profile assigned to the cylinder
#CYL_PROFILELONGNAME	Name of the profile assigned to the cylinder
#CYL_PROFILEREF	Reference to the profile assigned to the cylinder
#CYL_SIDE	Reference to the side of the cylinder
#CYL_TOPPINS	Cylinder top pinning codes
#CYL_TOTAL	The total number of cylinders for one line
#VAR	In the report export options is the Orders type selected (Ordered, Delivered or Total) quantity
#SER	Like #VAR but using a series notation
#P600_CYLBUILD	P600 Cylinder pinning codes
#P600_CYLAMOUNT	Number of P600 cylinder lines
#P600_CYLBUILDFILE	P600 Cylinder pinning codes for files
#P600_CYLTOPPINFILE	P600 Cylinder top pinning codes for files
#P600_CYLTYPE	Text for describing the P600 cylinder product

This is the collection of fields for system list can be used in the program.

These fields can be put in sections or subsections of the report.

SYSTEM LIST FIELDS

#SYS_ADDRESS1	1st address field of the lock system customer
#SYS_ADDRESS2	2st address field of the lock system customer
#SYS_AREA	Area where the lock system is located
#SYS_CASE	Case number of the lock system

#SYS_CITY	Customer city
#SYS_CREATEDDATETIME	Date when the lock system was created
#SYS_CUSTOMERNAME	Customer name
#SYS_CYLAMOUNT	Number of cylinder lines in the system
#SYS_ID	Unique number of the system
#SYS_INDEX1	The second last fields in the Administration / System fields in the right column
#SYS_INDEX2	The last fields in the Administration / System fields in the right column
#SYS_INITIALS	Initials of the user saving with the lock system
#SYS_KEYAMOUNT	Number of keys lines in the system
#SYS_MIGRATEDPENDINGTOIMPORT	Status of the migrated system
#SYS_PROJECT	Project name of the lock system
#SYS_SECURITYSTEPS	The security step requires by the user to access this lock system
#SYS_SYSTEMNO	The system number of the system
#SYS_ZIPCODE	Customer zip code

This is the collection of fields for historic key/cylinder list can be used in the program.

These fields can be put in sections or subsections of the report.

HISTORIC KEY FIELDS

#HKEY_ALTMARKING	Alternative marking of the key in the lock system
#HKEY_ORDERNO	Delivered order number of the key
#HKEY_CUSTOMERNO	Delivered customer number of the key
#HKEY_DATE	Delivered date of the key
#HKEY_INITIALS	Initial of the user that did the deliver action
#HKEY_KEYSTATUS	Status of the key delivered
#HKEY_MARKING	Marking of the key delivered
#HKEY_QTY	Delivered quantity for this key

HISTORIC CYLINDER FIELDS

#HCYL_ALTMARKING	Alternative marking of the cylinder in the lock system
#HCYL_ORDERNO	Delivered order number of the cylinder
#HCYL_CUSTOMERNO	Delivered customer number of the cylinder
#HCYL_CYLTYPE	Type of the cylinder
#HCYL_DATE	Delivered date of the cylinder
#HCYL_CYLDESIGNATION	Designation of the cylinder

#HCYL_INITIALS	Initial of the user that did the deliver action
#HCYL_KEYSTATUS	Status of the cylinder delivered
#HCYL_CYLLENGTHIN	Length In of the cylinder
#HCYL_CYLLENGTHOUT	Length Out of the cylinder
#HCYL_MARKING	Marking of the cylinder delivered
#HCYL_QTY	Delivered quantity for this cylinder

This is the collection of fields for material list can be used in the program.

These fields can be put in sections or subsections of the report.

MATERIAL KEY FIELDS

#MKEY_PROFILELONGNAME	Name of the profile assigned to the key
#VAR	Is the quantity selected in the report export options (Ordered, Delivered or Total)
#TOTAL_VAR	Is the total sum(#VAR) placed in the Footer of the section

MATERIAL CYLINDER FIELDS

#MCYL_PROFILELONGNAME	Name of the profile assigned to the cylinder
#MCYL_TYPE	Text for describing the cylinder product
#MCYL_DESIGNATION	For the color/finish of the cylinder
#MCYL_LENGTHIN	Inside length
#MCYL_LENGTHOUT	Outside length
#VAR	Is the quantity selected in the report export options (Ordered, Delivered or Total)
#TOTAL_VAR	Is the total sum(#VAR) placed in the Footer of the section

MATERIAL PINS&FILLERS&DISKS FIELDS

#MPIN_DESCRIPTION	Description to generate the pin section
#MFILLER_DESCRIPTION	Description to generate the filler section
#MTOPPIN_DESCRIPTION	Description to generate the top pin section
#MDISK_DESCRIPTION	Description to generate disk section
#VAR	Is the quantity selected in the report export options (Ordered, Delivered or Total)
#TOTAL_VAR	Is the total sum(#VAR) placed in the Footer of the section

This is the collection of fields for address list can be used in the program.

These fields can be put in sections or subsections of the report.

ADDRESS FIELDS

#ADD_NUMBER	Internal address reference (customer, dealer, contact person or responsible)
#ADD_NAME	Name of the customer
#ADD_ADDRESS1	Main address
#ADD_ADDRESS2	Secondary address
#ADD_ZIPCODE	Related zip code
#ADD_CITY	Related city
#ADD_AREA	City area
#ADD_PHONE	Related phone
#ADD_FAX	Related fax
#ADD_MOBILE	Related mobile
#ADD_EMAIL	Customer's email

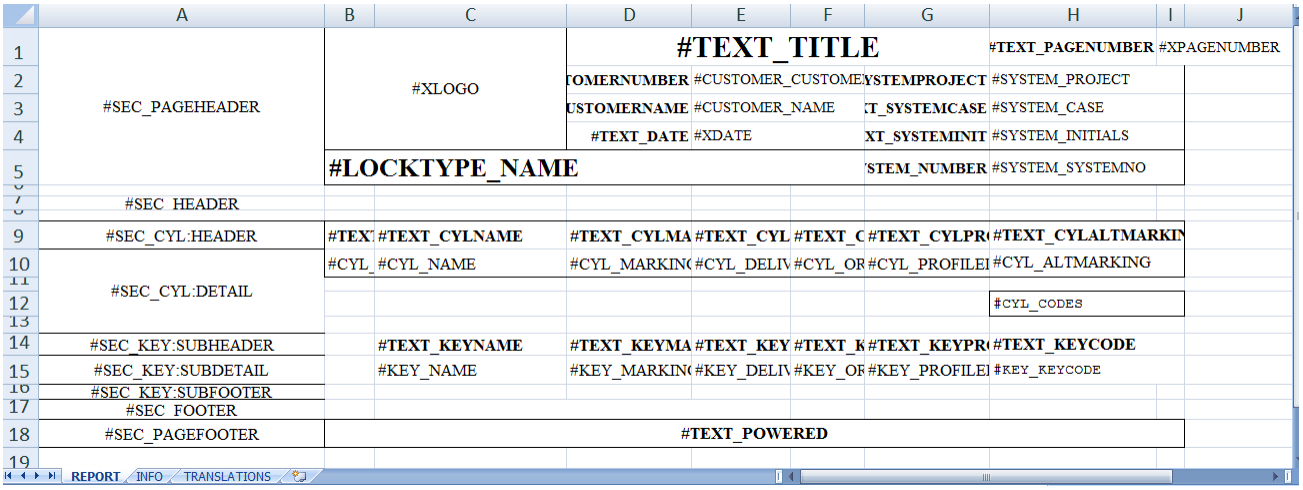
Report

In this sheet the user can edit the report style, text and structure.

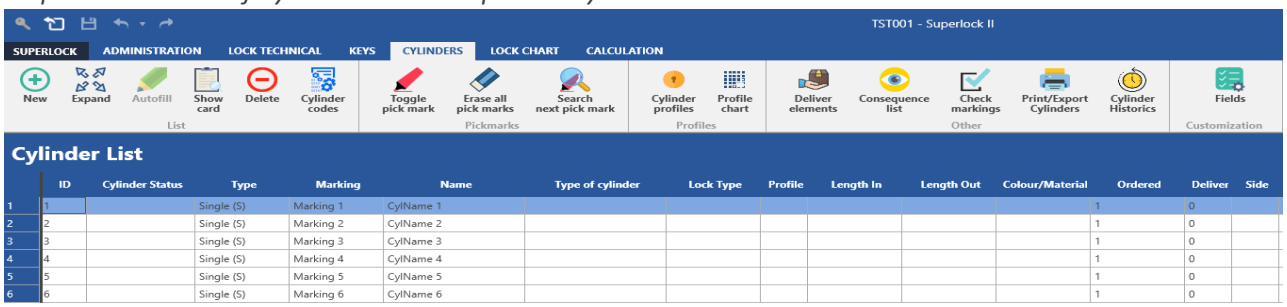
The report structure is divided by **sections**, which can contain **items** of several types.

To describe how the template works, some screen shots of the process can be seen below.

Step 1. Screenshot of Cylinder-Keys REPORT Template

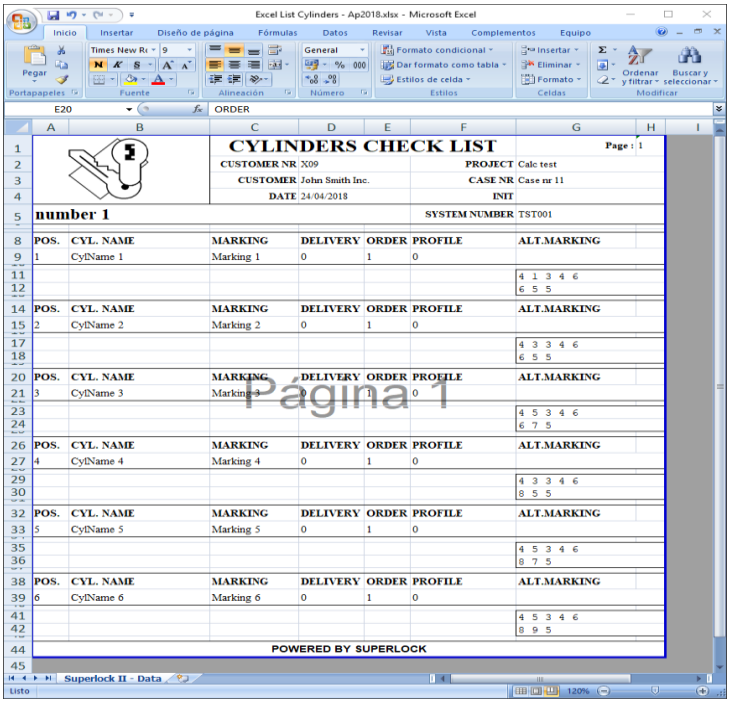


Step 2. Screenshot of Cylinder list in a Superlock system



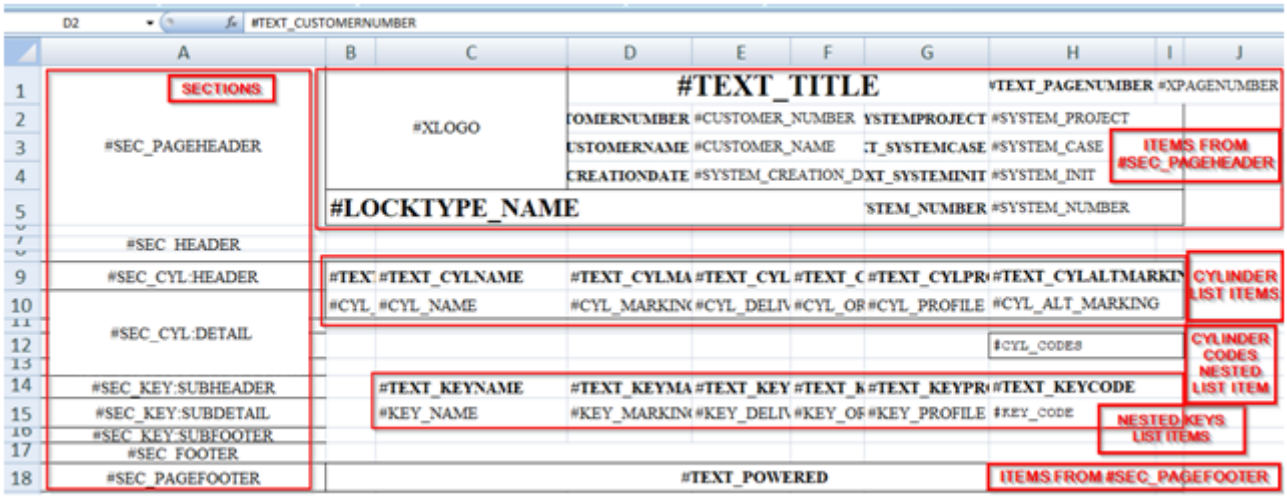
	ID	Cylinder Status	Type	Marking	Name	Type of cylinder	Lock Type	Profile	Length In	Length Out	Colour/Material	Ordered	Deliver	Side
1	1		Single (S)	Marking 1	CylName 1							1	0	
2	2		Single (S)	Marking 2	CylName 2							1	0	
3	3		Single (S)	Marking 3	CylName 3							1	0	
4	4		Single (S)	Marking 4	CylName 4							1	0	
5	5		Single (S)	Marking 5	CylName 5							1	0	
6	6		Single (S)	Marking 6	CylName 6							1	0	

Step 3. Screenshot of resulting Cylinder list report in XLSX format



Report template structure

This is the Report sheet from template **Master cylinders-keys OFFICIAL.xlsx.**



As it's shown in this screenshot, a report is divided in **sections** (that must be defined in first column with the prefix #SEC_), and each section is composed by **items**, that can be in a single cell or merged cells.

- In sections #SEC_PAGEHEADER and #SEC_PAGEFOOTER it's possible to put:
  - #XLOGO, that gets the company logo defined in Superlock. Only in page header.
  - Texts defined in translation sheet, prefixed with #TEXT_ *defined in Translation sheet.*
  - Single value fields of Superlock, defined in field list, like #SYSTEM_PROJECT, #CUSTOMER_NAME... that *are defined in Field list sheet.*
  - #XPAGENUMBER returns the number page.
- #SEC_HEADER and #SEC_FOOTER are used to layout the report info.
- Finally, the sections #SEC_<COLLECTION> (where collection can be #SEC_CYL, #SEC_KEY or #SEC_CYLCODES) can have 6 possible modes:
  - *:FOOTER and *:SUBFOOTER are used to put space between each record or sub-record (and in future versions to put count and sum formulas)
  - *:HEADER and *:SUBHEADER contains texts about the column headers of the table (or nested sub-table texts)
  - *:DETAIL and SUBDETAIL contains the collection fields value (or nested sub-table values), like #KEY_NAME, #KEY_MARKING... that are *defined in Field list sheet*.

The resulting report will inherit the style of every cell; so to edit the aspect of the form it's as easy as change the style of the cell; like the font size, type and color, the borders, the alignment, and so on.

Key / cylinder section note

Please note that in a key record section, it is possible to include any of the cylinder fields because in this case, the program will, for each of one the keys that are included in the output file, show the cylinder information for those who are opened by the key in a nested list.

In the same way, in a cylinder record section, it is possible to include any of the key fields. As described for key record section, the information of each key field that opens the cylinder will be included as a nested list under each cylinder.