

# ***GUIDELINE***

***V3.261 User Manual***

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*PHASE 2: CLAMPING DESIGN* *Export clamping instructions to PDF*

It is possible to export the clamping setup(s) from Guideline to a PDF file: this way you can create a document distributable throughout your organization (i.e. as assembly instructions for machines operators). Normally, the generation of this document happens after the clamping design (CAM phase), which represent the actual machine setup, but it can be done from any clamping environment (CAD phase) or machines (CAM phase).


To launch the translation press



PHASE 2: CLAMPING DESIGN

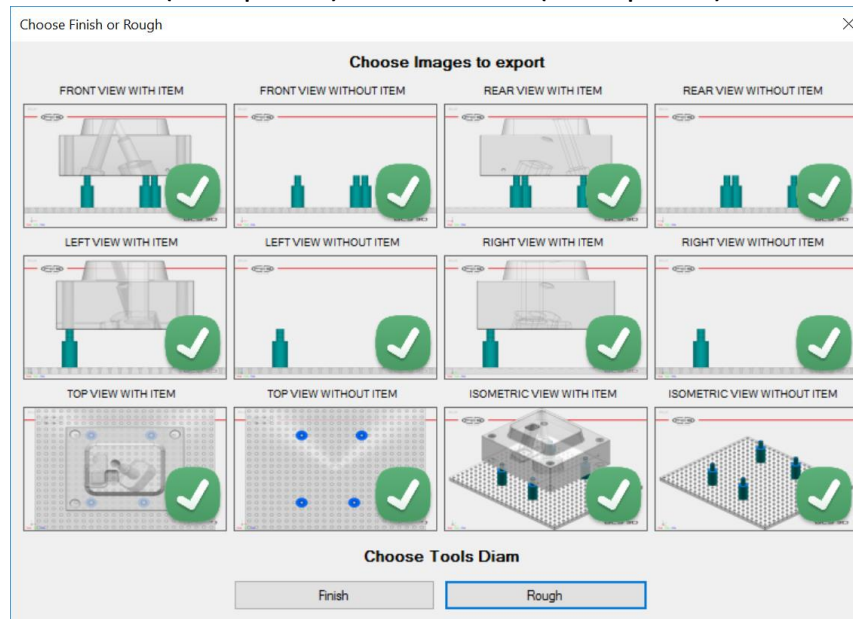
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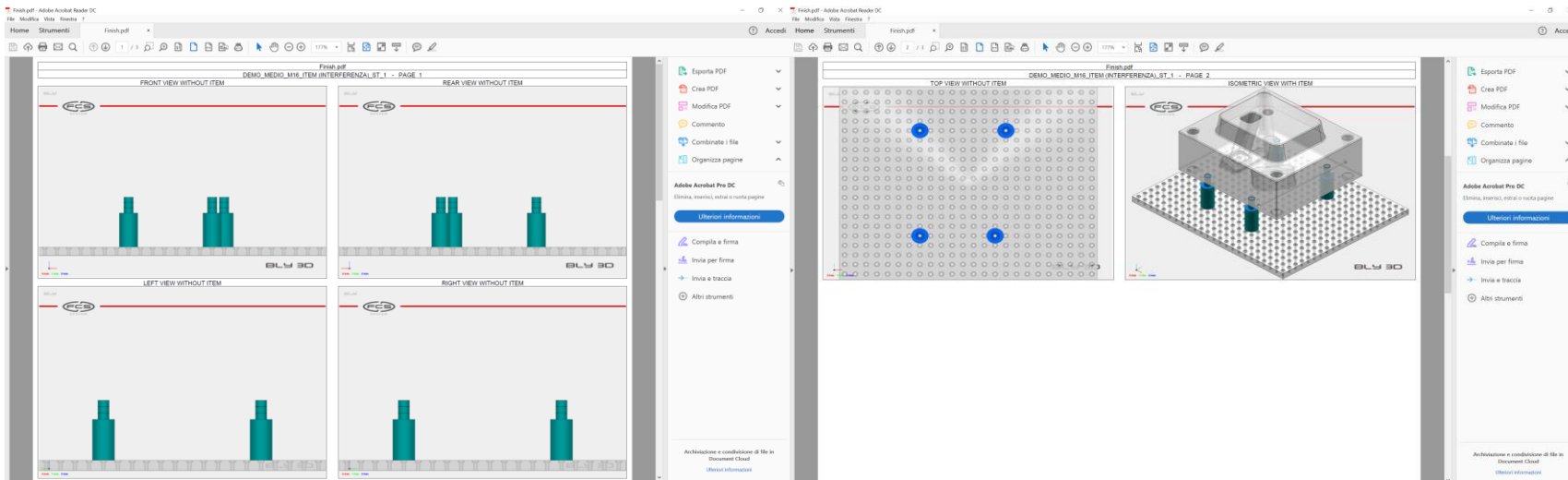
After giving the name, you can choose the views you want to include and which size you want to use in the Bill Of Material (Finish or Rough).

After creation, the document will open automatically.



### Export clamping instructions to PDF

Depending on the number of views selected, the document will have up to 4 views in each page.



## PHASE 2: CLAMPING DESIGN

### Export clamping instructions to PDF – Bill Of Materials

The last page reports the BOM for each stack present in the clamping, information related to the position and the length of the stacks and the mounting order of each stacks' components.

STACK N	MOUNTED ON:	FOR *	#	MOUNTING ORDER (FROM BOTTOM TO TOP)
Stack_1	base_gauge_M16_TP_120X1000_0007-04207	D+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_ROD_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D24_H6_C0001_0501-M16_RING_D24_H6_C0001_0501
Stack_2	base_gauge_M16_TP_120X1000_0007-04207	C+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_ROD_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D24_H6_C0001_0501
Stack_3	base_gauge_M16_TP_120X1000_0007-04207	E+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_ROD_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D24_H6_C0001_0501
Stack_4	base_gauge_M16_TP_120X1000_0007-04207	E-6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_ROD_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D24_H6_C0001_0501

## PHASE 2: CLAMPING DESIGN

### Export clamping instructions to PDF – Bill Of Materials

The last page reports the BOM for each stack present in the clamping, information related to the position and the length of the stacks and the mounting order of each stacks' components.

The positions of the stacks are also reported, using the «battleship» coding to identify the holes aligned with the center of the each stack.

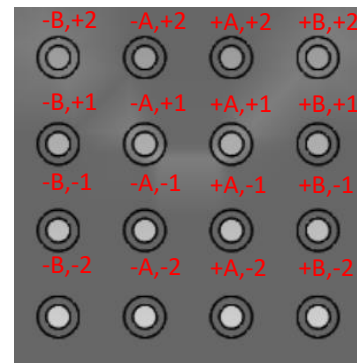
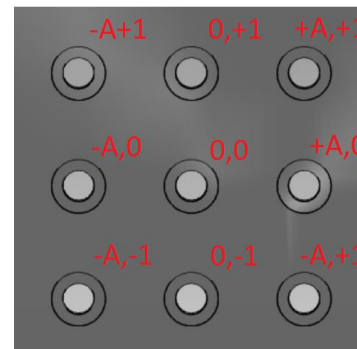
STACK#	MOUNTED ON:	POS *	L#	MOUNTING ORDER (FROM BOTTOM TO TOP)
Stack_1	base_gauge_M16_TP_120X1000_0007-0420	D+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_RING_D02_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540 M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D02_H6_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540
Stack_2	base_gauge_M16_TP_120X1000_0007-0420	H+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_RING_D02_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540 M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D02_H6_C0002_01200-M16_BUCKY_H160_C0003_02102
Stack_3	base_gauge_M16_TP_120X1000_0007-0420	E+6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_RING_D02_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540 M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D02_H6_C0002_01200-M16_BUCKY_H160_C0003_02102
Stack_4	base_gauge_M16_TP_120X1000_0007-0420	E-6	235mm	PARENT-M16_RING_D24_H6_C0001_0501-M16_RING_D02_H6_C0002_01200-M16_BUCKY_H160_C0003_02102-M16_RING_D40_H25_C0001_00540-M16_RING_D40_H25_C0001_00540 M16_RING_D40_H25_C0001_00540-M16_RING_D24_H6_C0001_0501-M16_RING_D02_H6_C0002_01200-M16_BUCKY_H160_C0003_02102

PHASE 2: CLAMPING DESIGN

❑ *Export clamping instructions to PDF – Battleship*

The default convention for the battleship is the following:

- Base Gauges type «TR» (with a hole in the center)
  - Central hole is marked «0,0»;
  - Lines are named with letters, + for the upper side, - for the lower side;
  - Columns are named with numbers, + for the right side, - for the left side
  
- Base Gauges type «TF» (with a hole in the center)
  - Central hole is marked «0,0»;
  - Lines are named with letters, + for the upper side, - for the lower side;
  - Columns are named with numbers, + for the right side, - for the left side



PHASE 2: CLAMPING DESIGN

❑ *Export clamping instructions to PDF – Alias*

In order to facilitate communication and parts management, a large number of companies uses internal names to identify FCS components instead of the original codes.

It is possible to set those names in Guideline and make them listed into the clamping instructions.

Open the file «Alias\_default.txt» in \GuideLine3\Misc folder and add the alias you want to include in your documentation. Some examples with the right syntax are provided in the file.

Save as «Alias.txt» still in \GuideLine3\Misc folder and restart Guideline: your aliases will be listed into the BOM.

STACK N.	MOUNTED ON:	POS *	H	MOUNTING ORDER (FROM BOTTOM TO TOP)
Stack_1	base_gauge_M16_TR_1000X1000_0007-04304	+G-2	120mm	PARENT->M16_RING_D24_H0_C0001_00501->M16_SCREW_TCEI_H40_C0940->M16_SCREW_TCEI_H40_C0940->M16_ROD_W_C0002_01600->M16_BODY_H80_C0003_02101->M16_RING_D24_H0_C0001_00501->M16_ROD_CC
Stack_2	base_gauge_M16_TR_1000X1000_0007-04304	A0	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_3	base_gauge_M16_TR_1000X1000_0007-04304	+C0	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_4	base_gauge_M16_TR_1000X1000_0007-04304	A+2	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_5	base_gauge_M16_TR_1000X1000_0007-04304	+C+2	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_6	M8_PALLET_0005_03101	A+8	50mm	PARENT->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D14_H0_C0001_00201**

STACK N.	MOUNTED ON:	POS *	H	MOUNTING ORDER (FROM BOTTOM TO TOP)
Stack_1	Machine 1	+G-2	120mm	PARENT->M16_RING_D24_H0_C0001_00501->M16_SCREW_TCEI_H40_C0940->M16_SCREW_TCEI_H40_C0940->M16_ROD_W_C0002_01600->Body M16 H80->M16_RING_D24_H0_C0001_00501->M16_ROD_C0002_01200**
Stack_2	Machine 1	A0	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_3	Machine 1	+C0	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_4	Machine 1	A+2	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_5	Machine 1	+C+2	40mm	PARENT->M12_M16_BODY_H40_C0003_02000**
Stack_6	Pallet M8	A+8	50mm	PARENT->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D25_H10_C0001_00210->M8_RING_D14_H0_C0001_00201**