

**Ex04.3** + + ..... 3

[ ] ..... 3

[ ] ..... 3

[ ] ..... 4

[ ] ..... 4

[ ] ..... 6

[ ( ) ] ..... 7

[ ] ..... 7

[ ( ) ] ..... 8

[ ( ) ] ..... 9

[ ] ..... 9

[ : ] ..... 10

[ ] ..... 10

[ 1 : ] ..... 11

[ 1 : ] ..... 12

[ 1 : / ] ..... 12

[ 2 : ] ..... 13

[ 2 : / ] ..... 13

[ 3 : ] ..... 14

[ 3 : / ] ..... 15

[ 3 : ] ..... 15

[ 3 1 ] ..... 16

[ 3 2 ] ..... 17

[ 3 3 ] ..... 18

[ 3 4 ] ..... 19

[ 3 5 ] ..... 20

[ 1 ] ..... 21

[ 2 ] ..... 22

[ 3 ] ..... 22

[ ] ..... 23

[ ] ..... 24

[ : ] ..... 24

[ : ( + ) ] ..... 25

[ : ] ..... 25

[ : ] ..... 26

[ : ( ) ] ..... 26

[ : ( ) ] ..... 27

[ : ( + ) ] ..... 27

[ : ] ..... 28

[ : ] ..... 29

[ : ] ..... 29

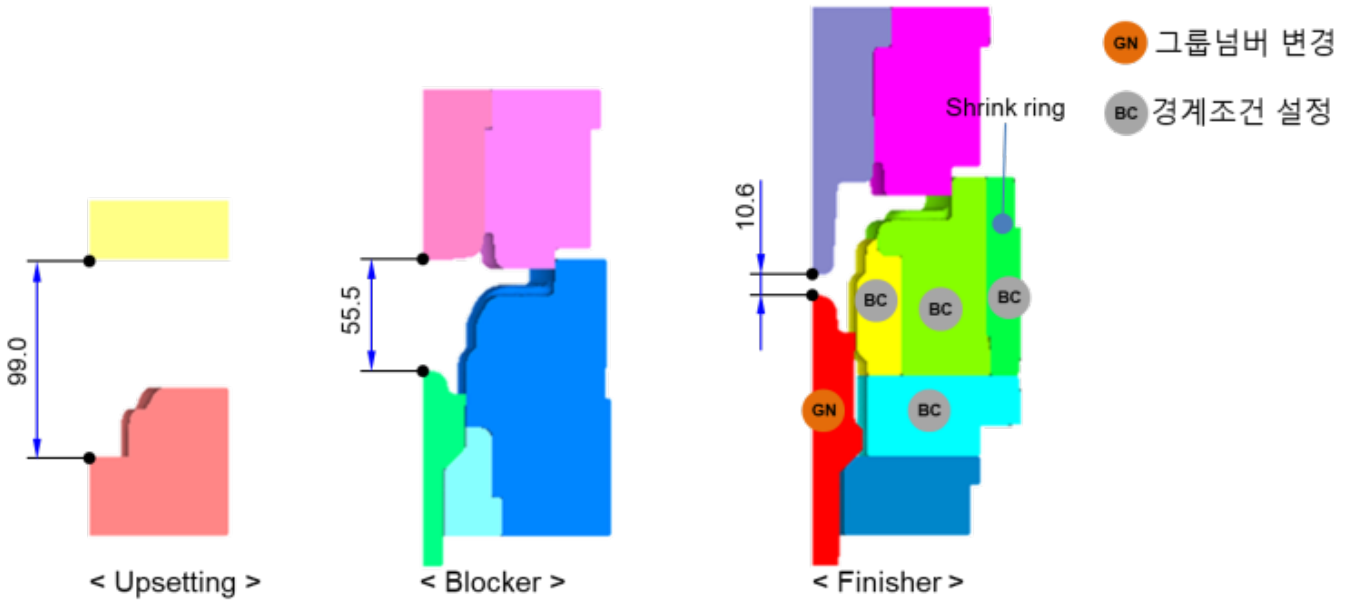
[ : ] ..... 30



# Ex04. 3

+ +

[ ]



[ ]

1.

- 
- 
- 
- ( + )
- :

2.

- : AISI 1015(T=800-1300°C) →
- : 1200°C →
- : STL

3.

- : STL ( )
- : SKD61 →
- : ,  $\mu=0.3, m=0.8$ ( )
- 

- : JFP-1600 →
- : 0.0 mm/s( )

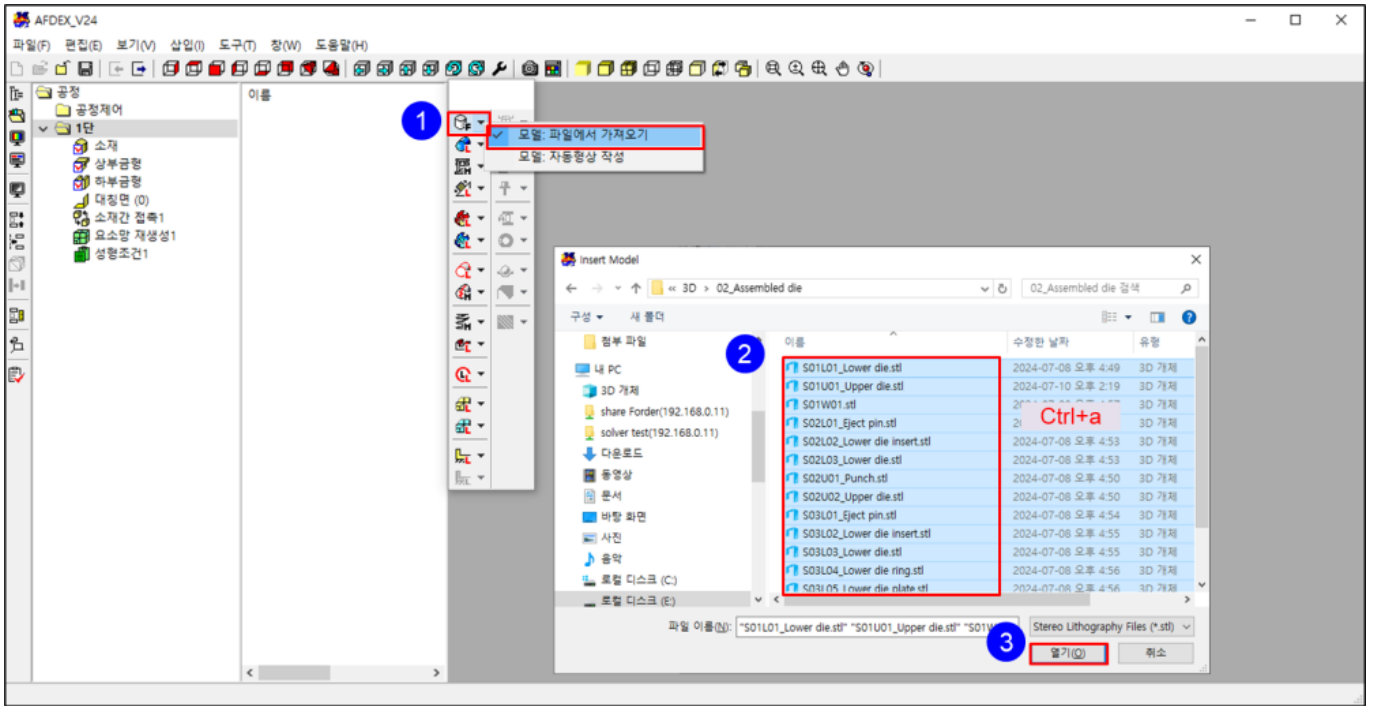
4.

- : 36° (1/10)\_ 2EA

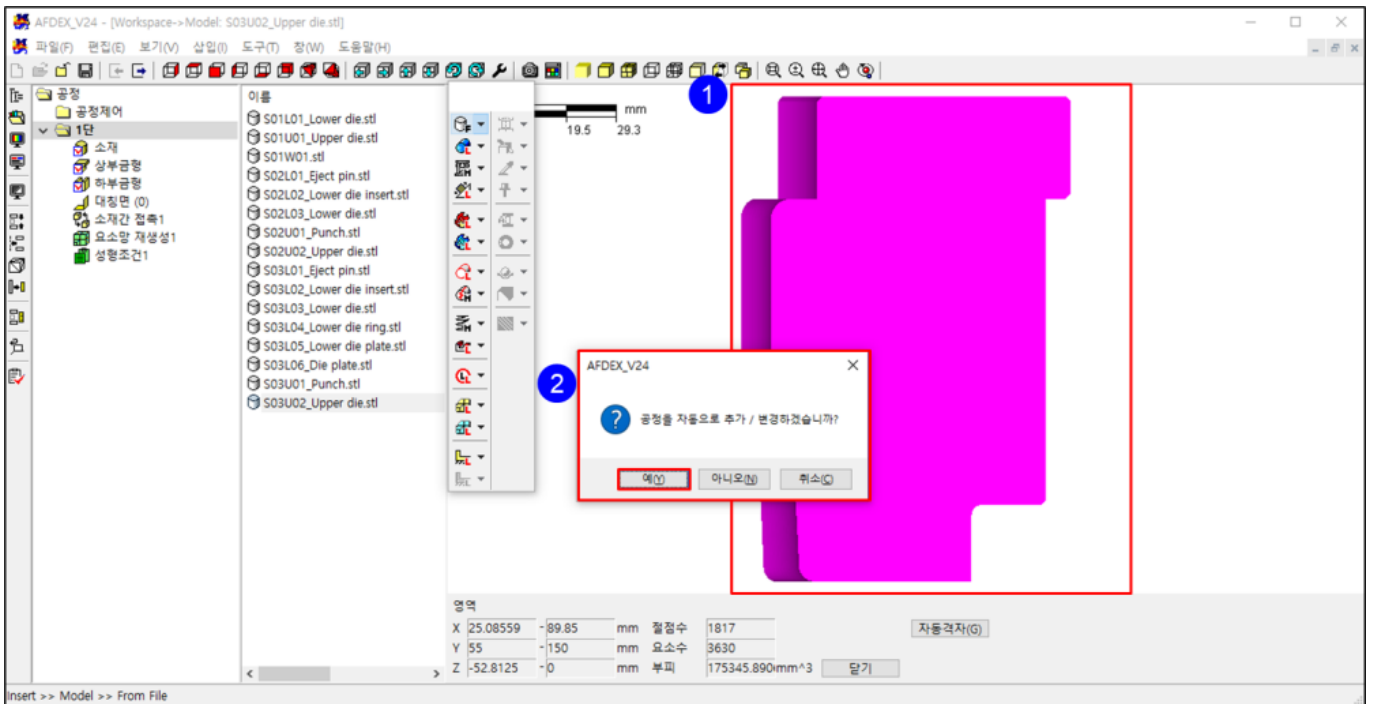
5.

- 
- Sample\_HeatWPCS\_All\_Analysis →



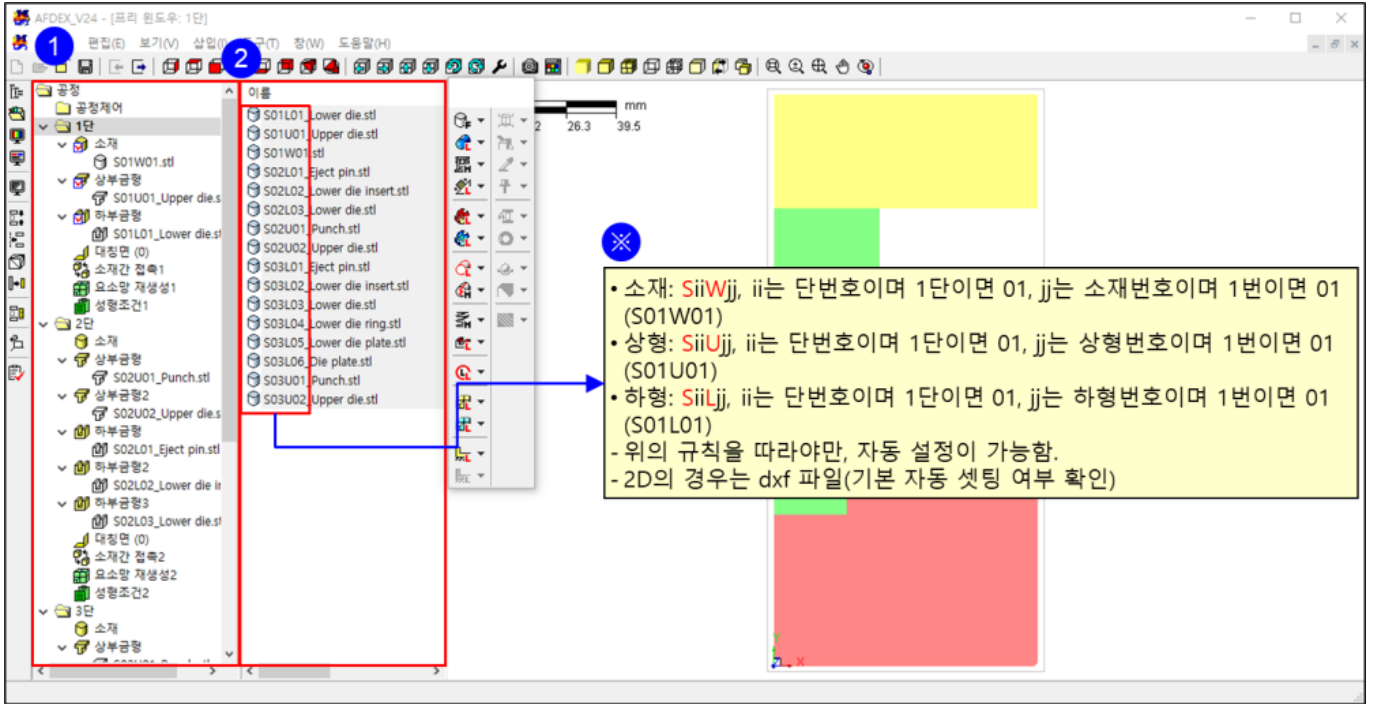


1. “ : 가 ”
2. , “\*\*\*.stl”
3. “ ”



1. “ ”
2. “ 가 / ? ” , “ ”

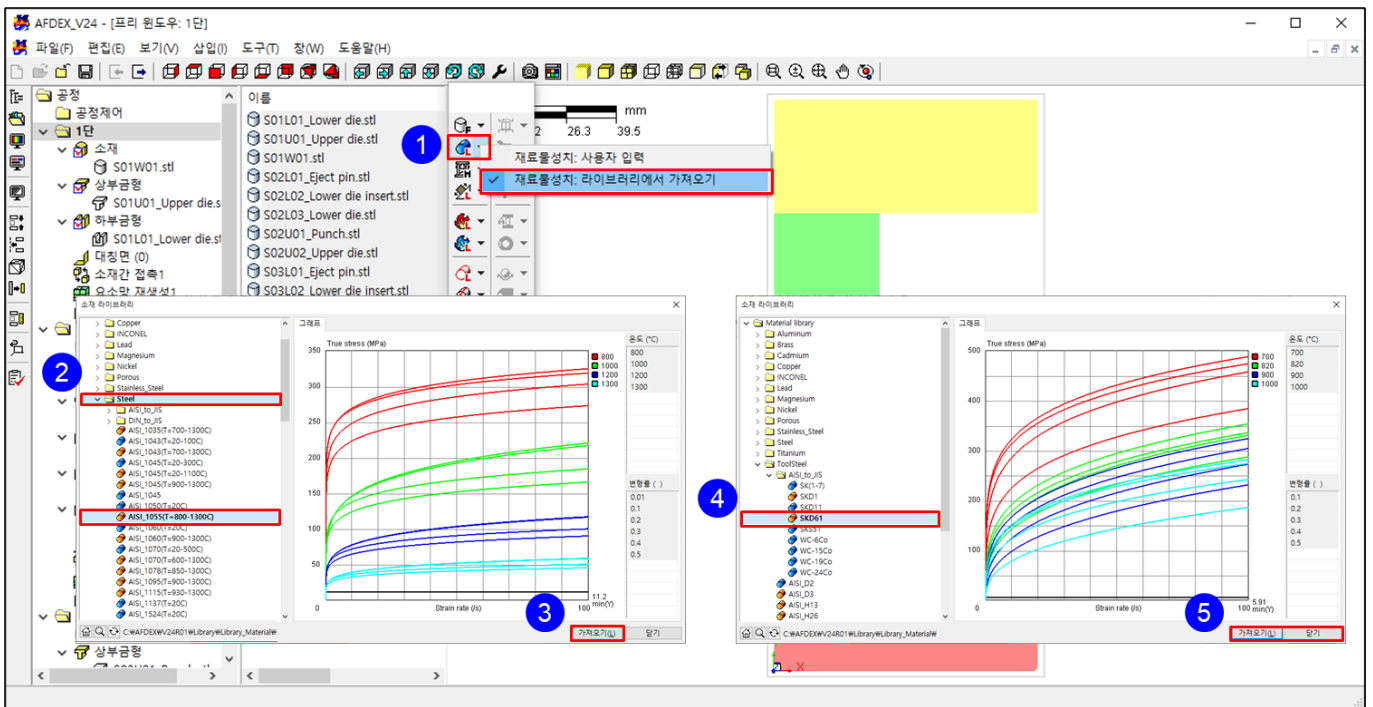
“ ” , “ 가 ” , “ 가 ” .



1. “ ”
2. “ ” “ ” 가



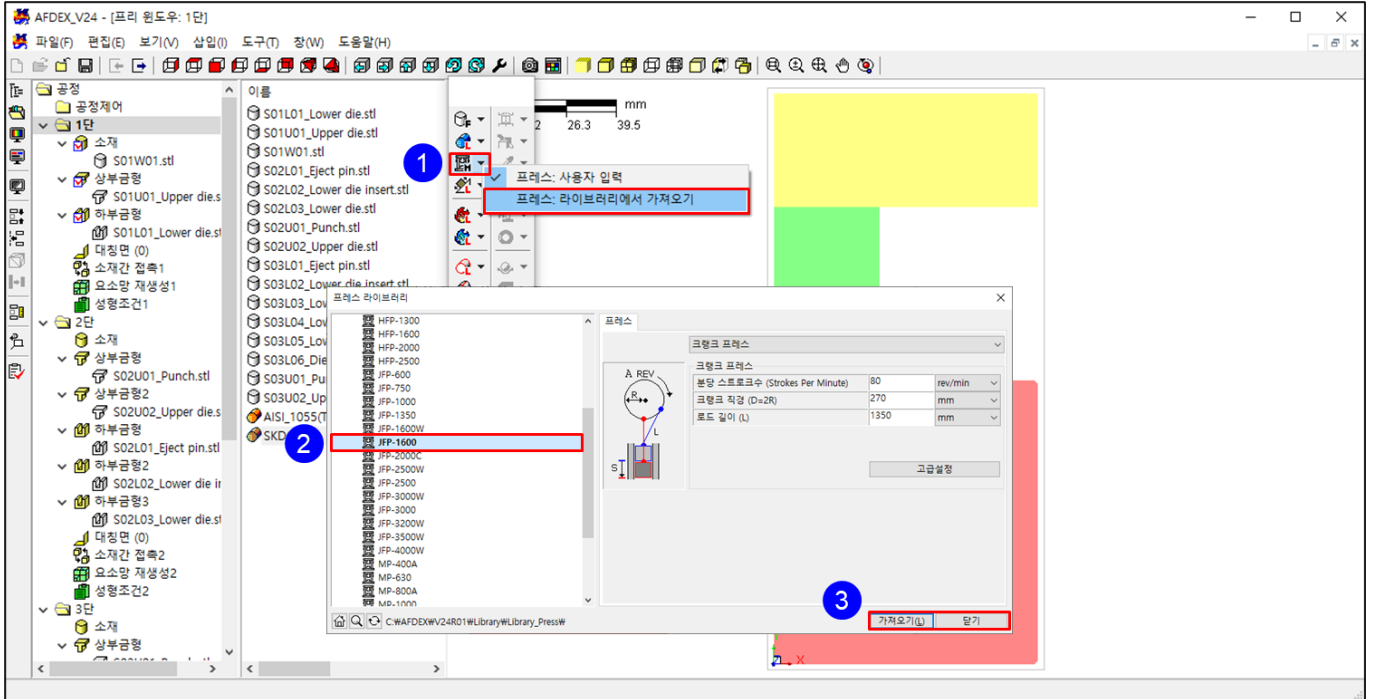
[ ]



1. “ : ” 가 ”
2. “ ” , “Steel → AISI 1055(T=800-1300°C)” .( )

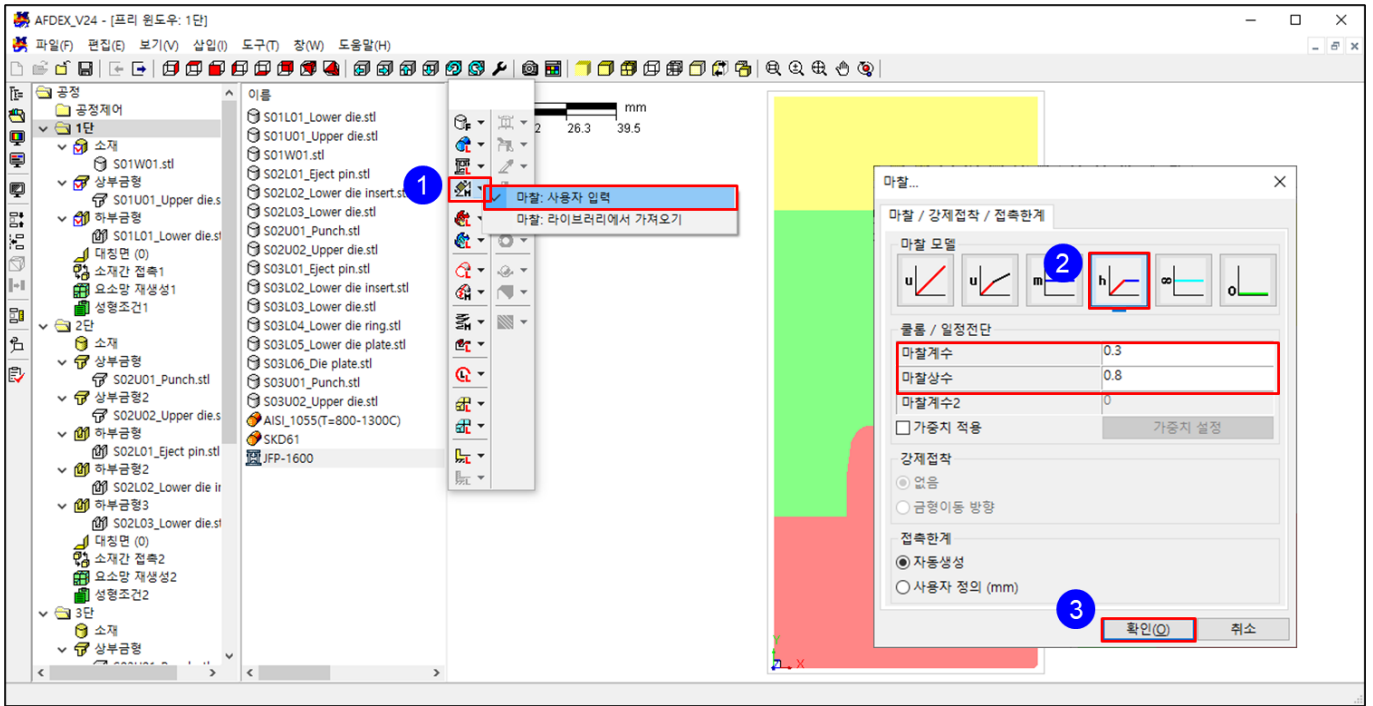
- 3. “ 가 ”
- 4. “ToolSteel → AISI to JIS → SKD61” .( )
- 5. “ 가 ” “ ”

[ ( ) ]



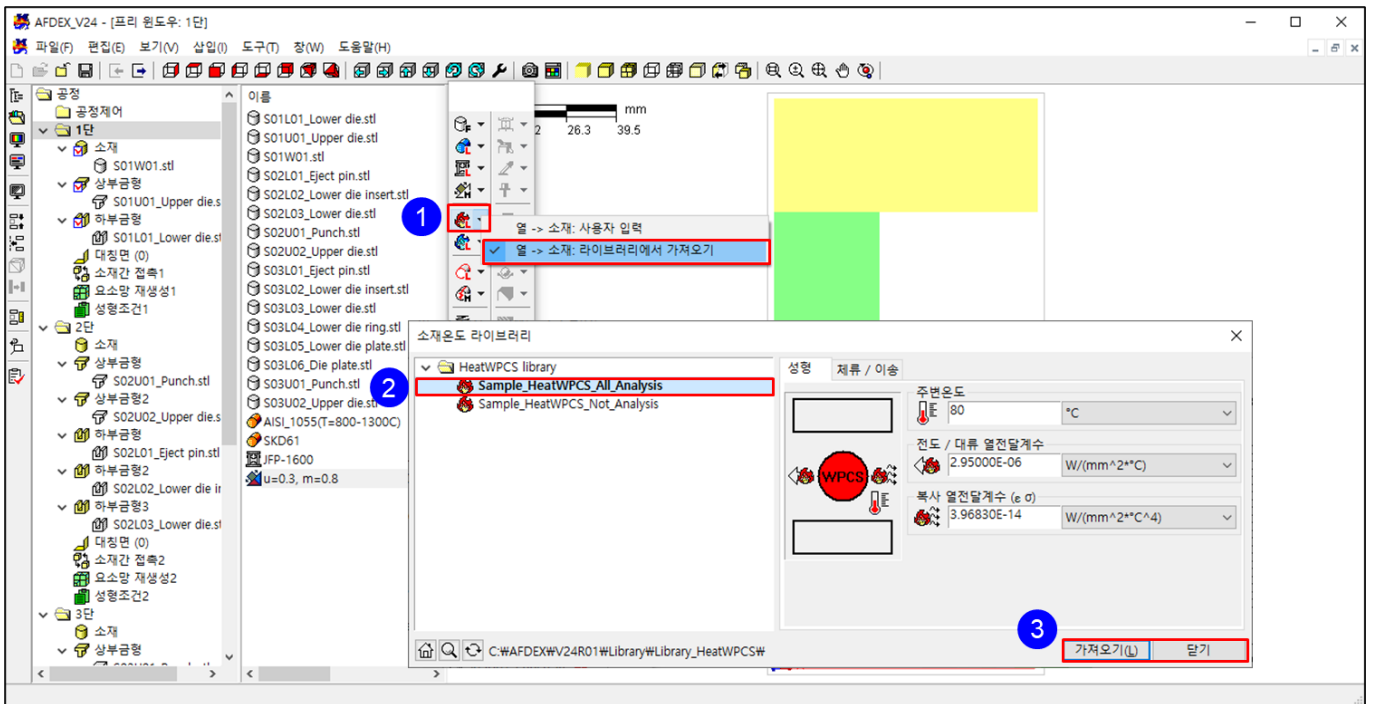
- 1. “ : ” 가 ”
- 2. “ ” , “JFP-1600”
- 3. “ 가 ” “ ”

[ ]



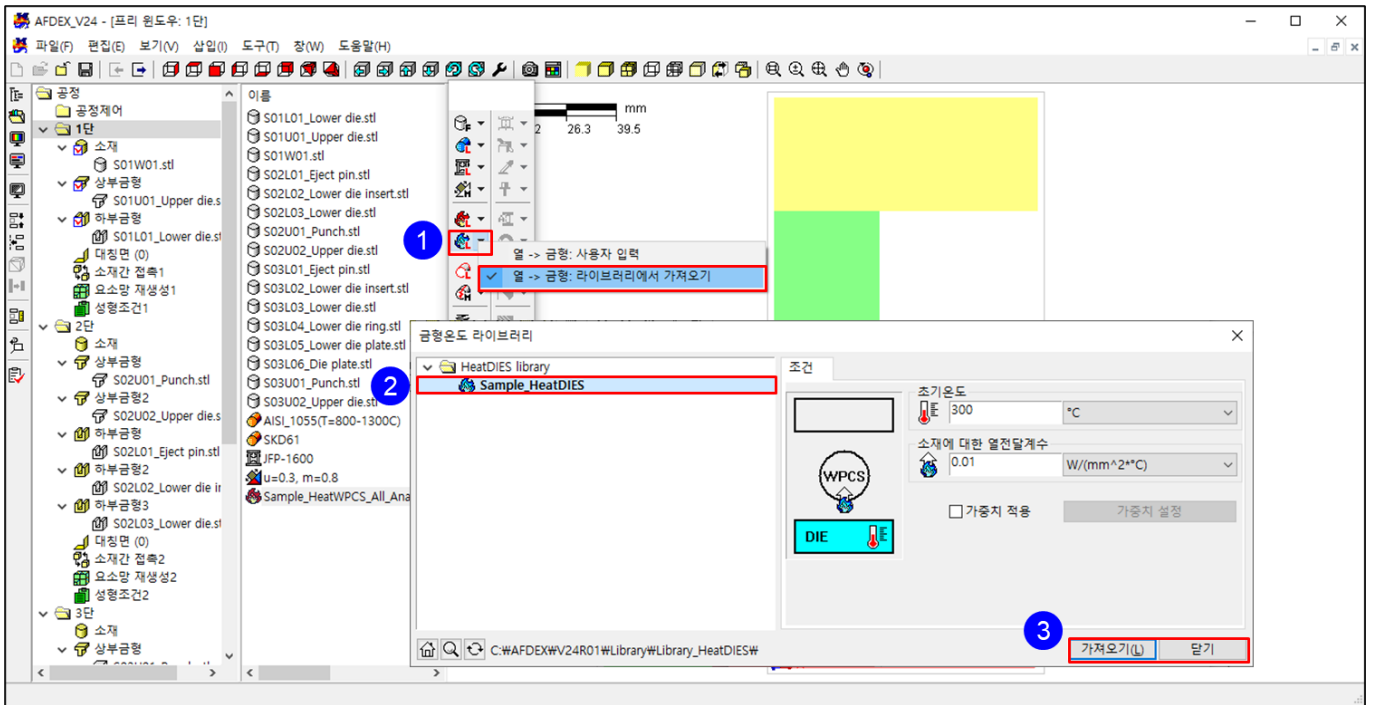
1. “ : ”
2. “ ” Hybrid ”
3. “ ” 0.3, 0.8

[ ( ) ]



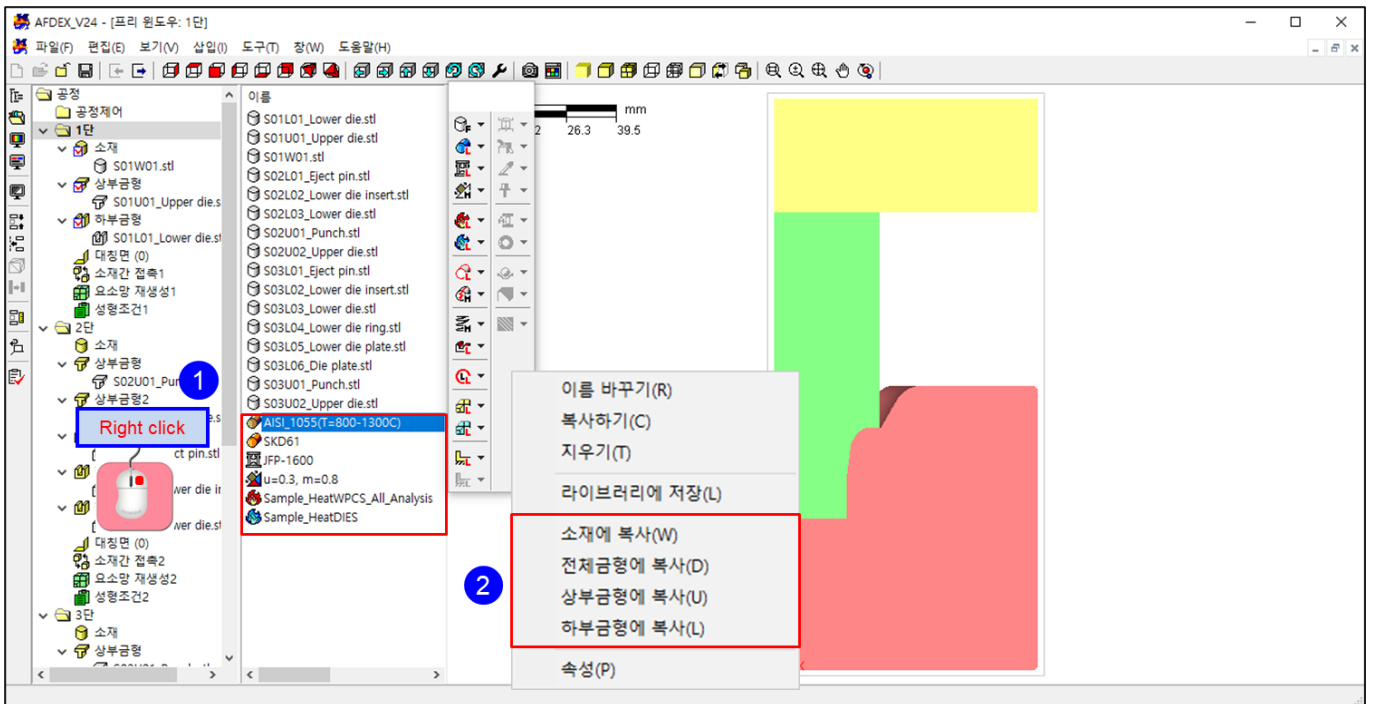
1. “ : 가 ”
2. “ ” , “Sample HeatWPCS All Analysis”
3. “ 가 ” “ ”

[ ( ) ]



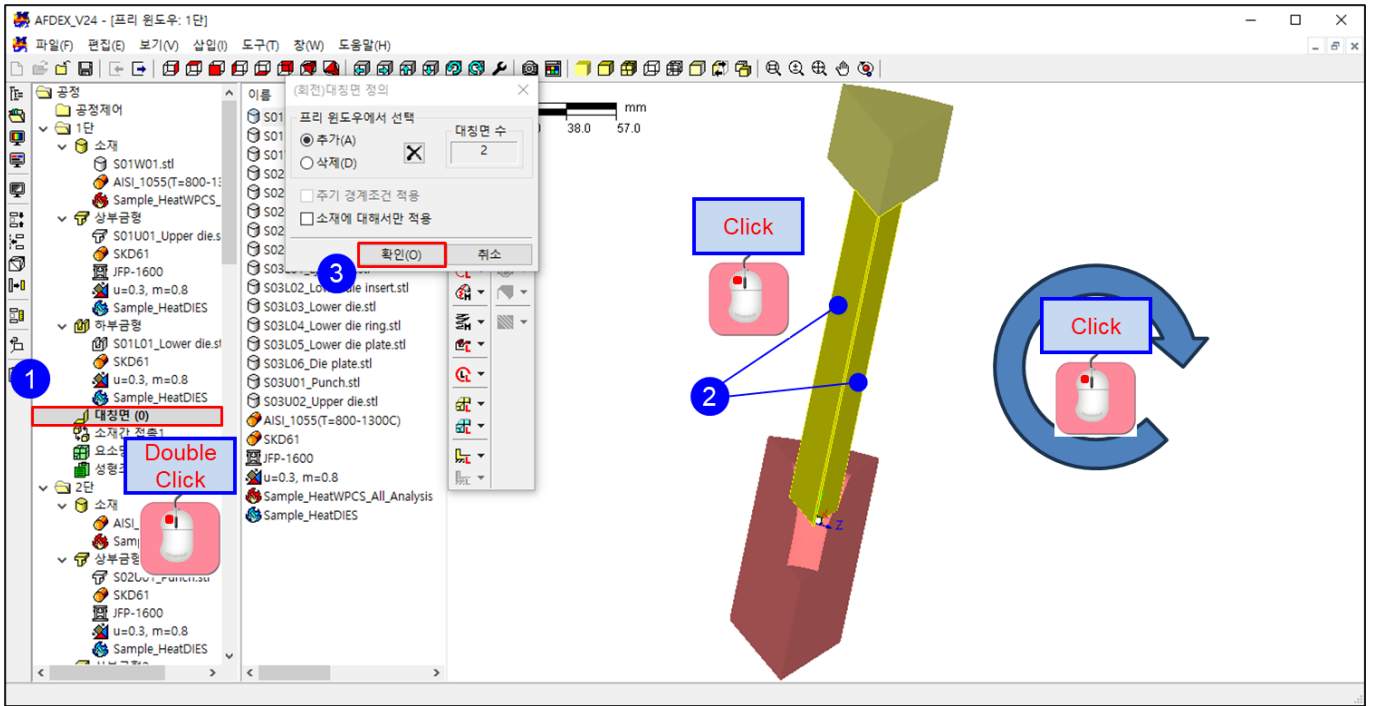
1. “ 열 -> 금형: 사용자 입력 ” 가 “ 열 -> 금형: 라이브러리에서 가져오기 ”
2. “ Sample HeatDIES ”
3. “ 가져오기 ”

[ ( ) ]



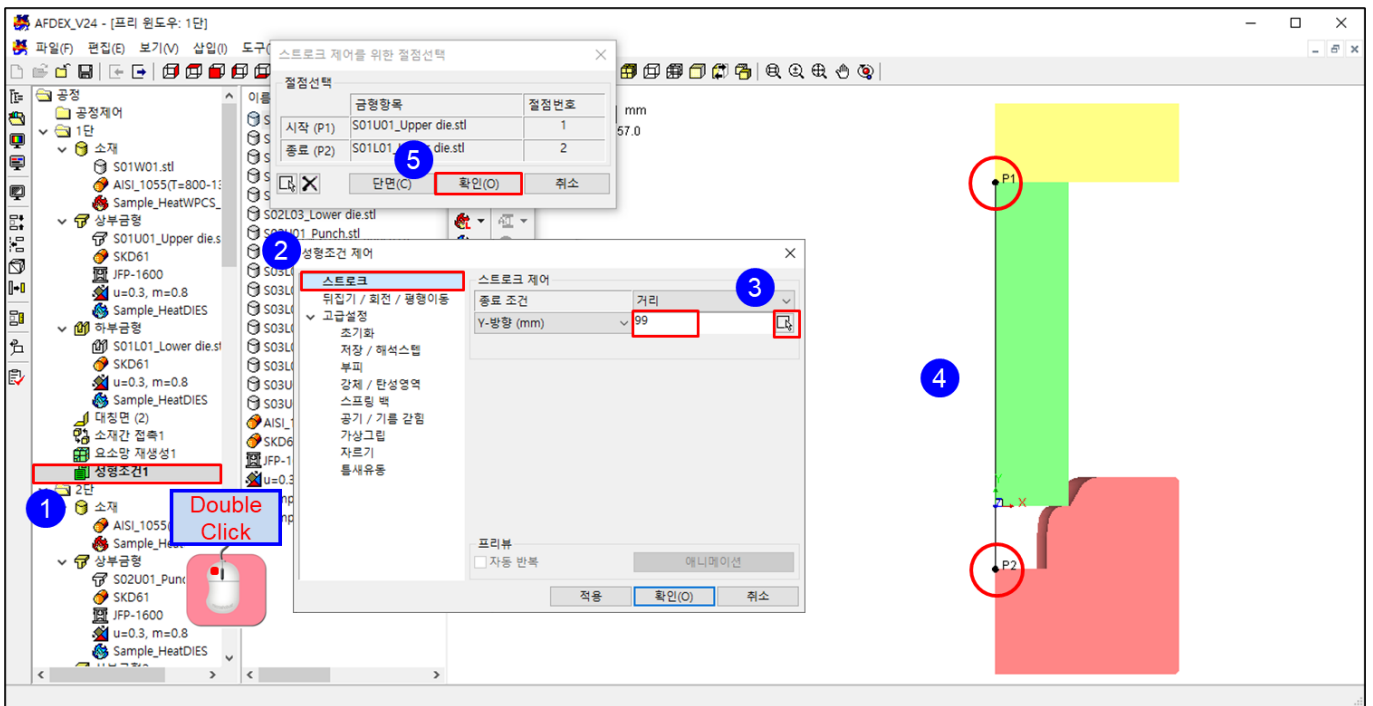
1. “ 이름 바꾸기(R) ”
2. “ 라이브러리에 저장(L) ”
- AISI 1015 :





1. 1 “ ”
2. “ ” , “ ” ,
3. “ ” “ ” .

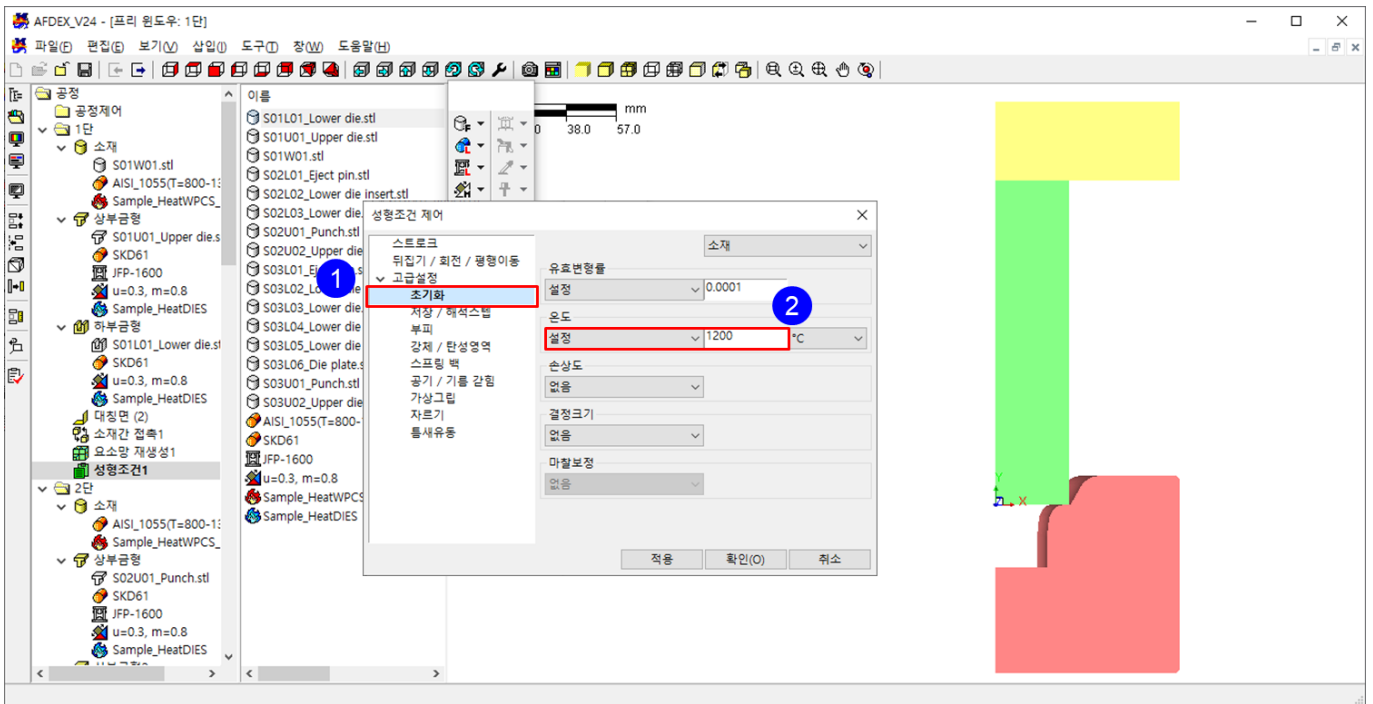
[ 1 : ]



1. “ 1 ” .
2. “ ” , “ ” “ ” “ 99 ” . (
3. “ [ ] “ .
4. . ( )

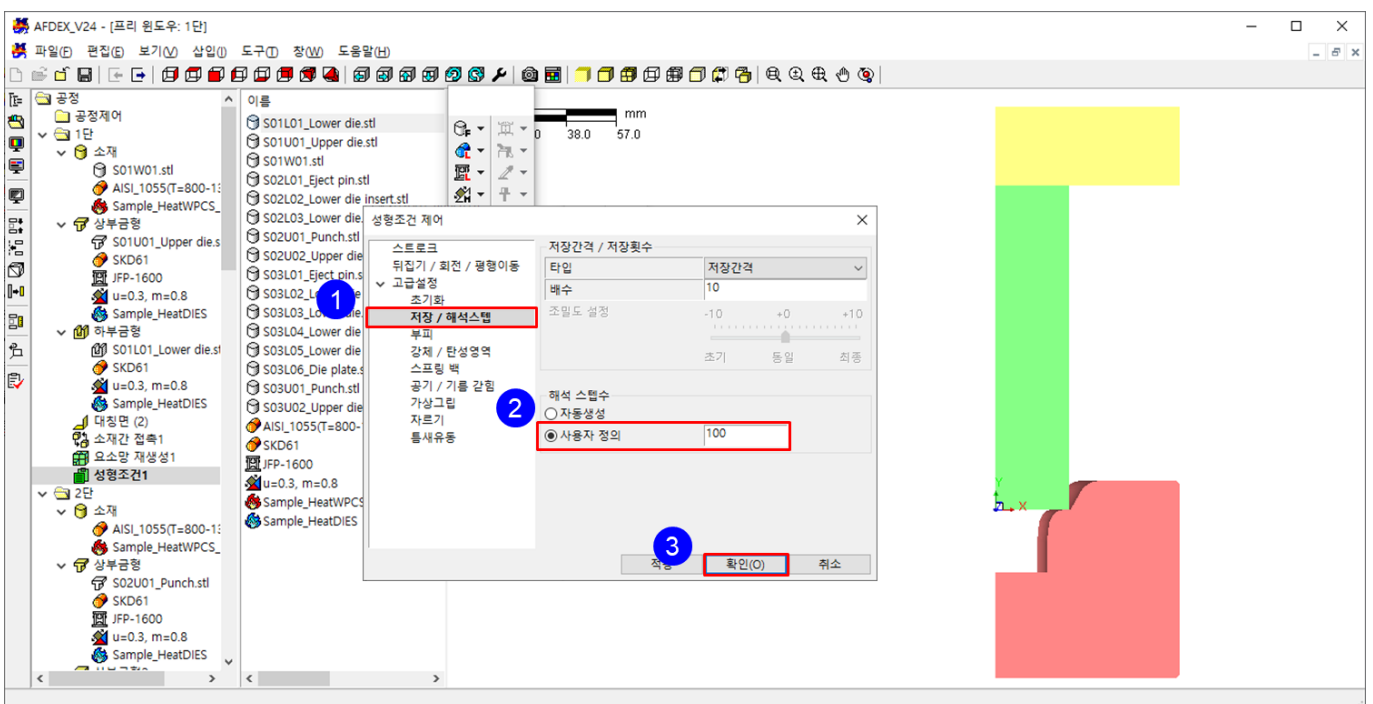
5. “ ” “ ” “ ” “ ” “ ” “ ”

[ 1 : ]



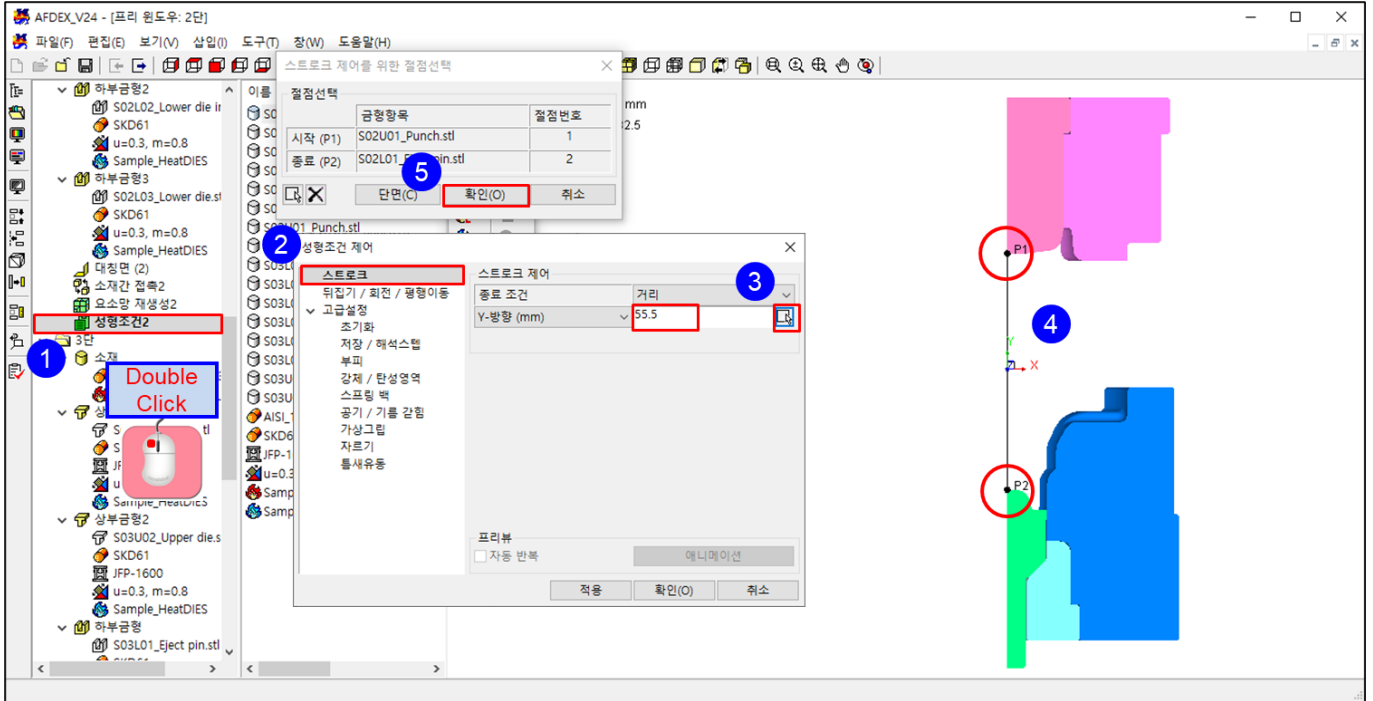
1. “ ” “ ” “ ” “ ” “ ” “ ” “ ”
2. “ ” “ 1200 ”
3. “ ”

[ 1 : / ]



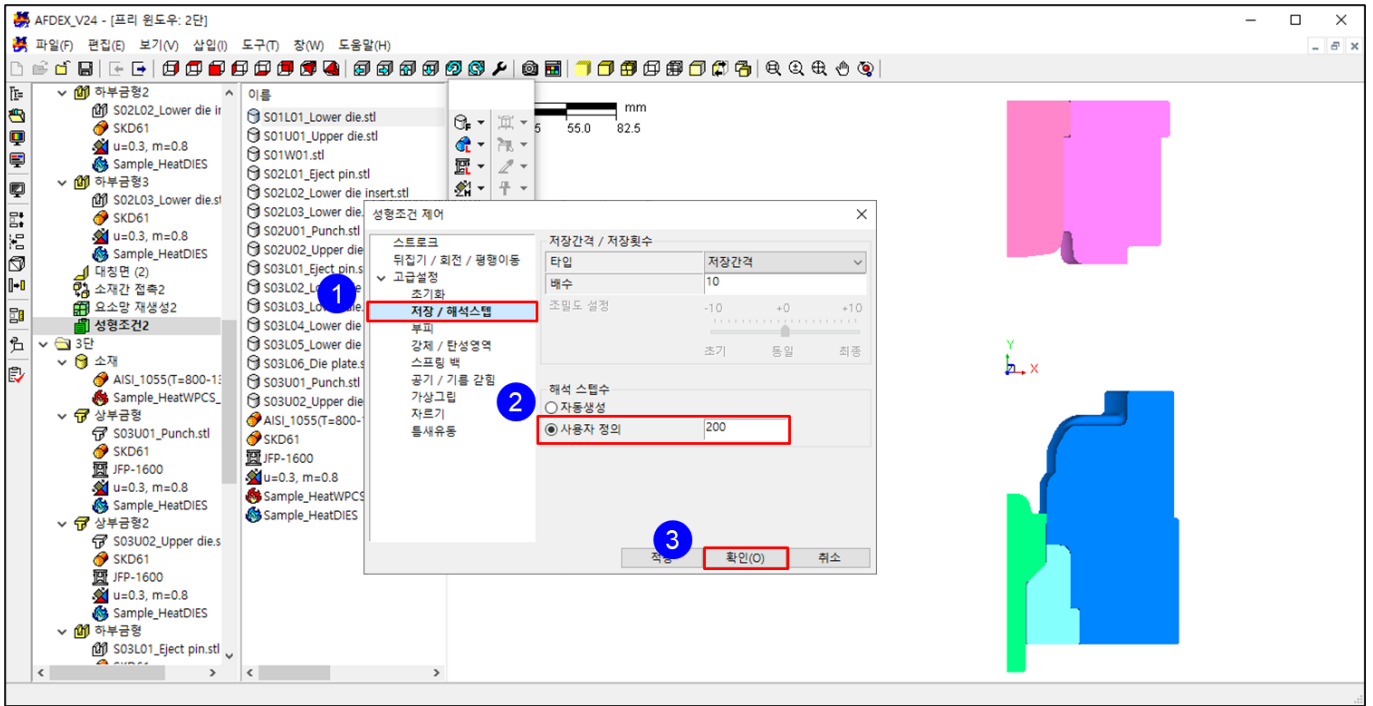
1. “ ” “ ” / ” .
2. “ ” “ ” , “ 100 ” .
3. “ ” .

[ 2 : ]



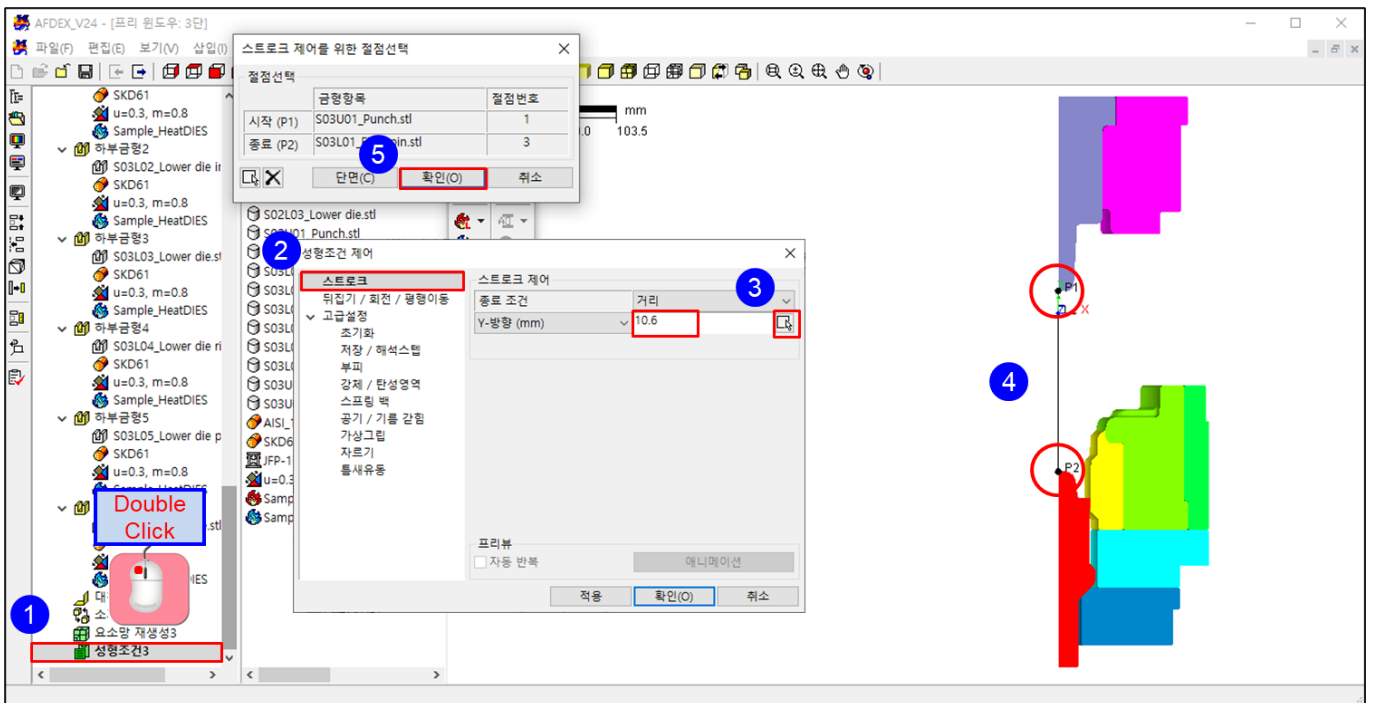
1. “ 2 ” .
2. “ ” “ ” “ ” “ 55.5 ” .
3. “ ( ” .
4. “ ) ” .
5. “ ” “ ” “ ” “ ” “ ” .

[ 2 : / ]



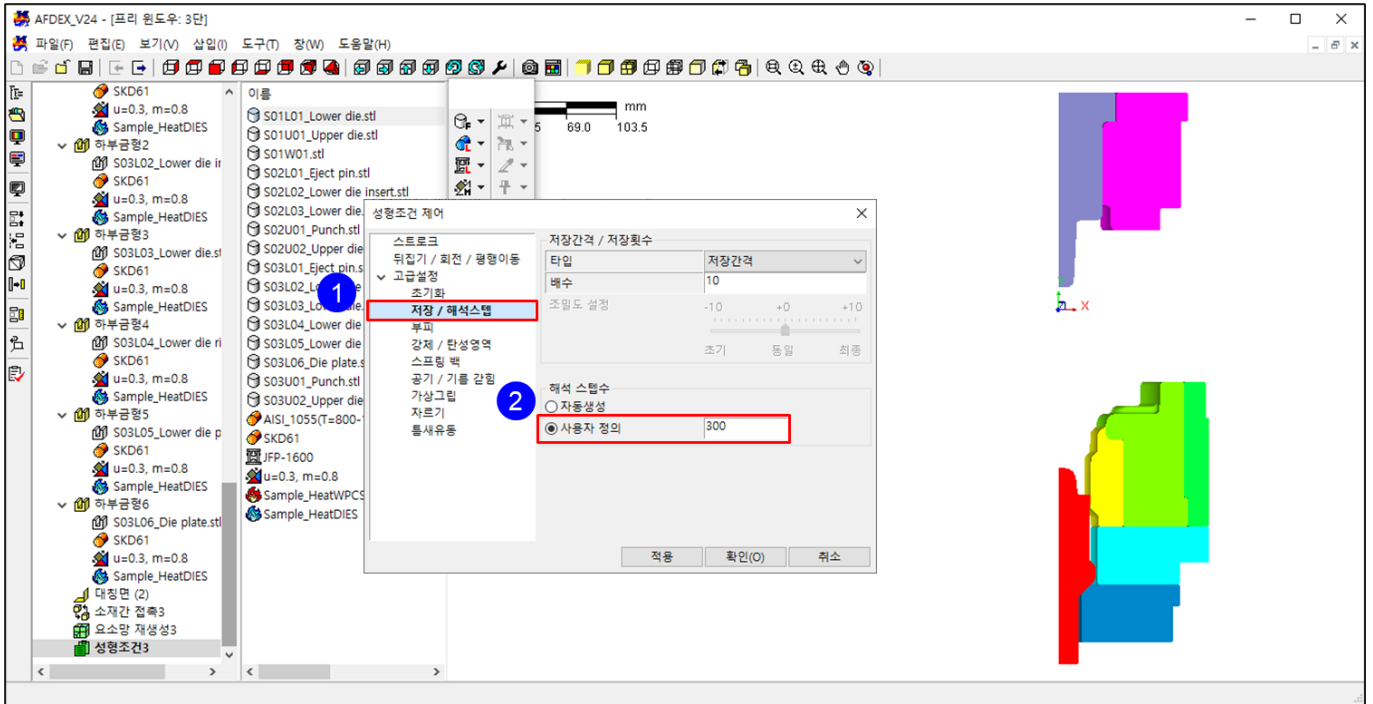
1. “ ” “ ” / ”
2. “ ” “ ” , “ 200 ”
3. “ ”

[ 3 : ]



1. “ 3 ”
2. “ ” “ ” “ ” “ 10.6 ”
3. “ ” “ ”
4. “ ” “ ”
5. “ ” “ ” “ ” “ ” “ ” “ ”

[ 3 : / ]

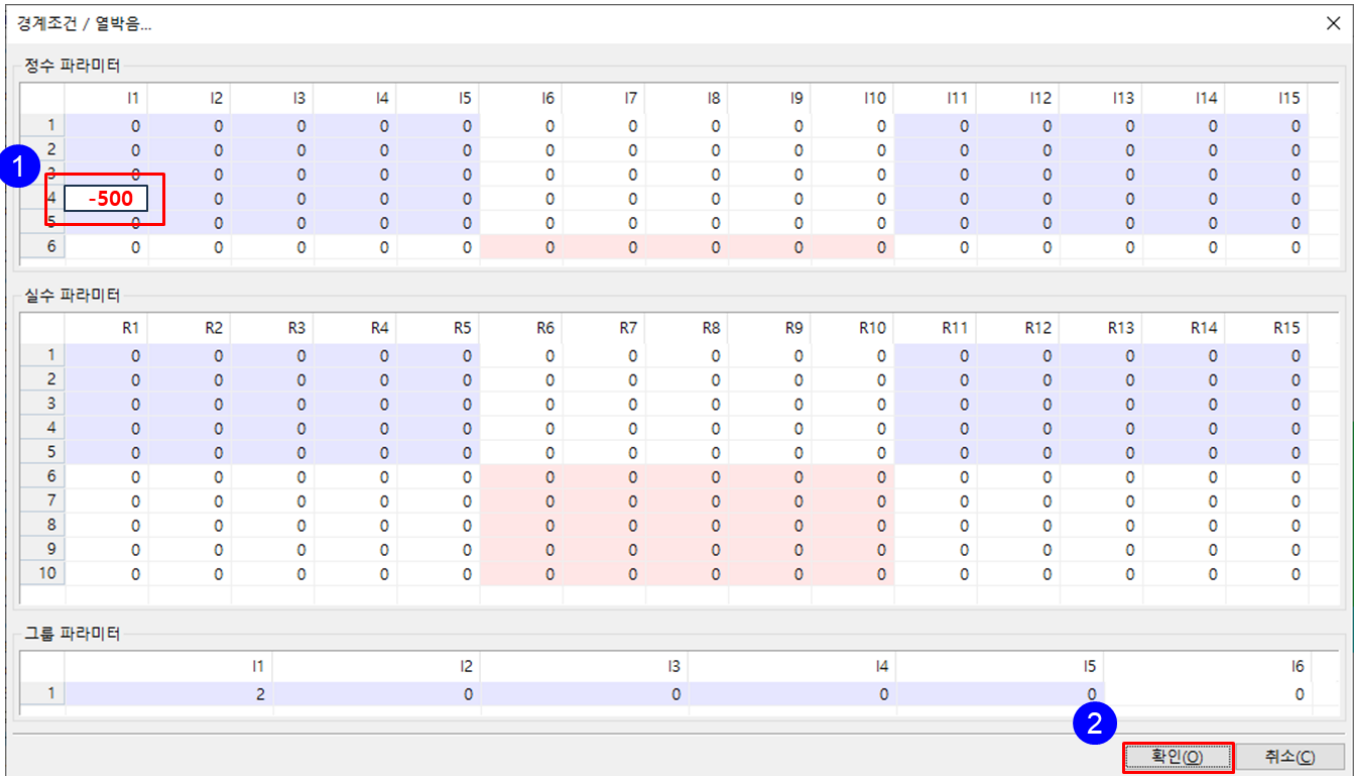


1. “ 3 ”
2. “ ” , “ ” “ 10.6 ”
3. “ ( ) ” “ ”
4. “ ” “ ” “ ” “ ”
5. “ ” “ ” “ ” “ ”

[ 3 : ]

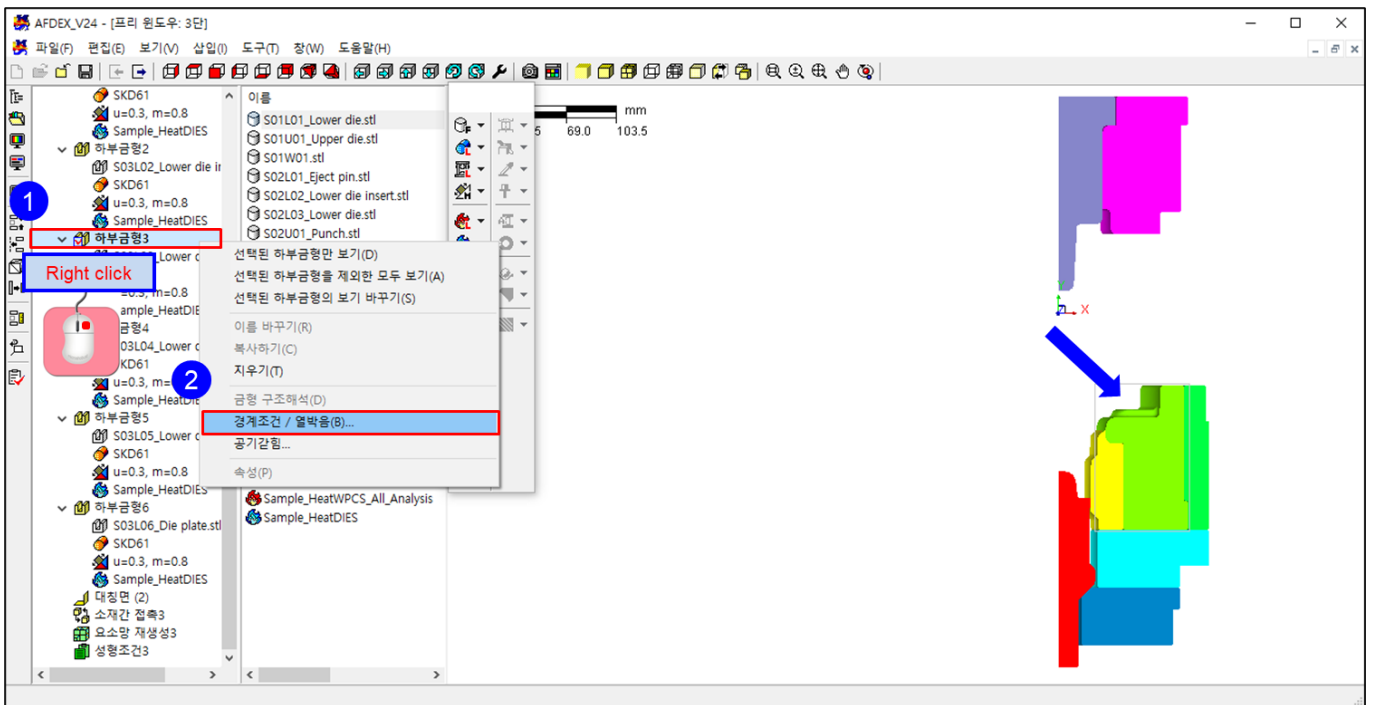




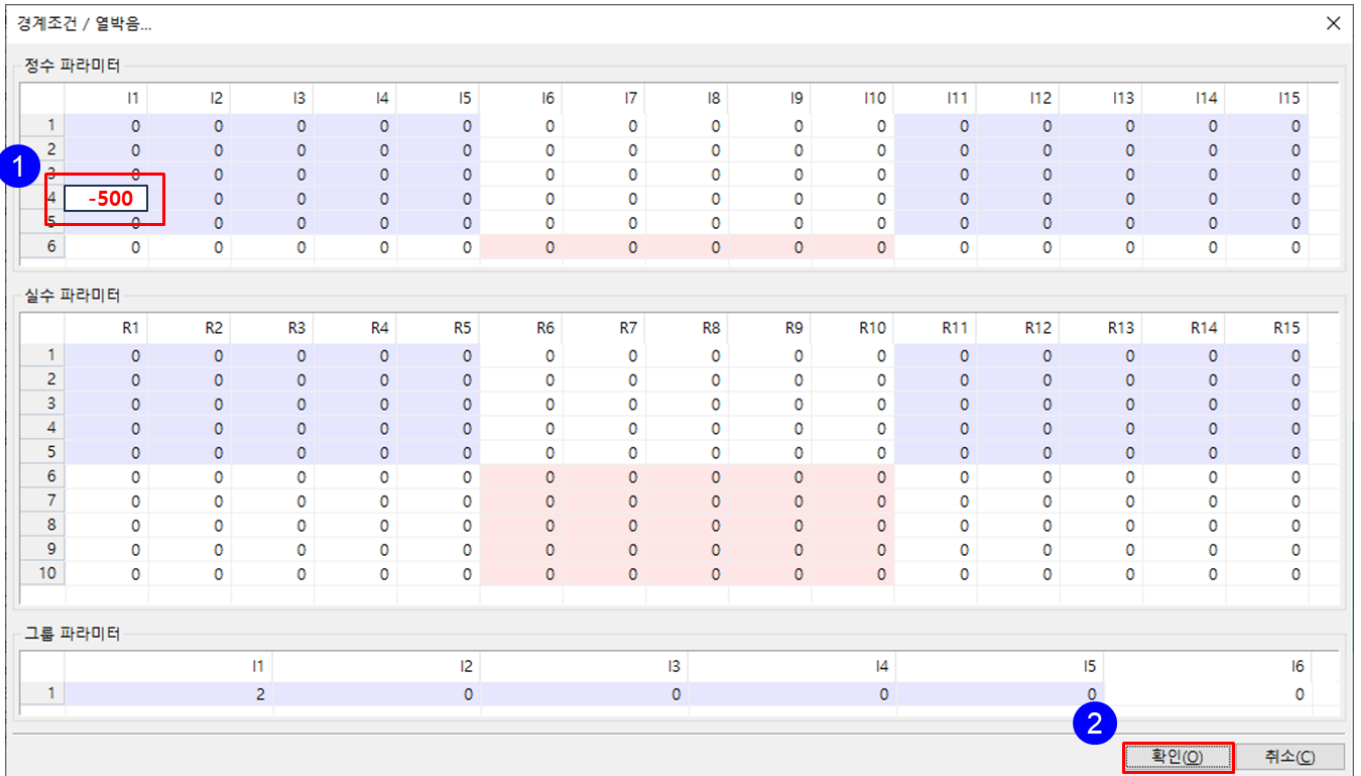


1. "I 4" " -500" ( . )
2. " " .

[ 3 3 ]

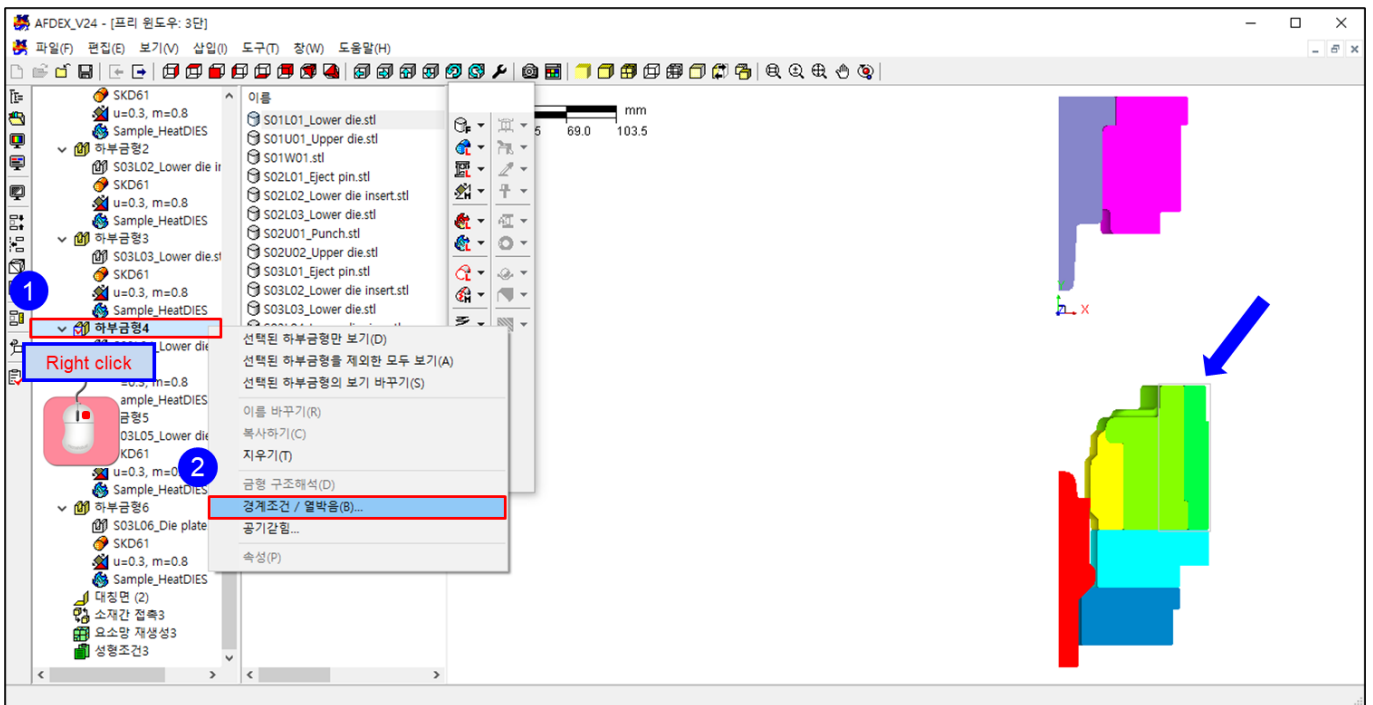


1. 3 " 3" .
2. " / " .

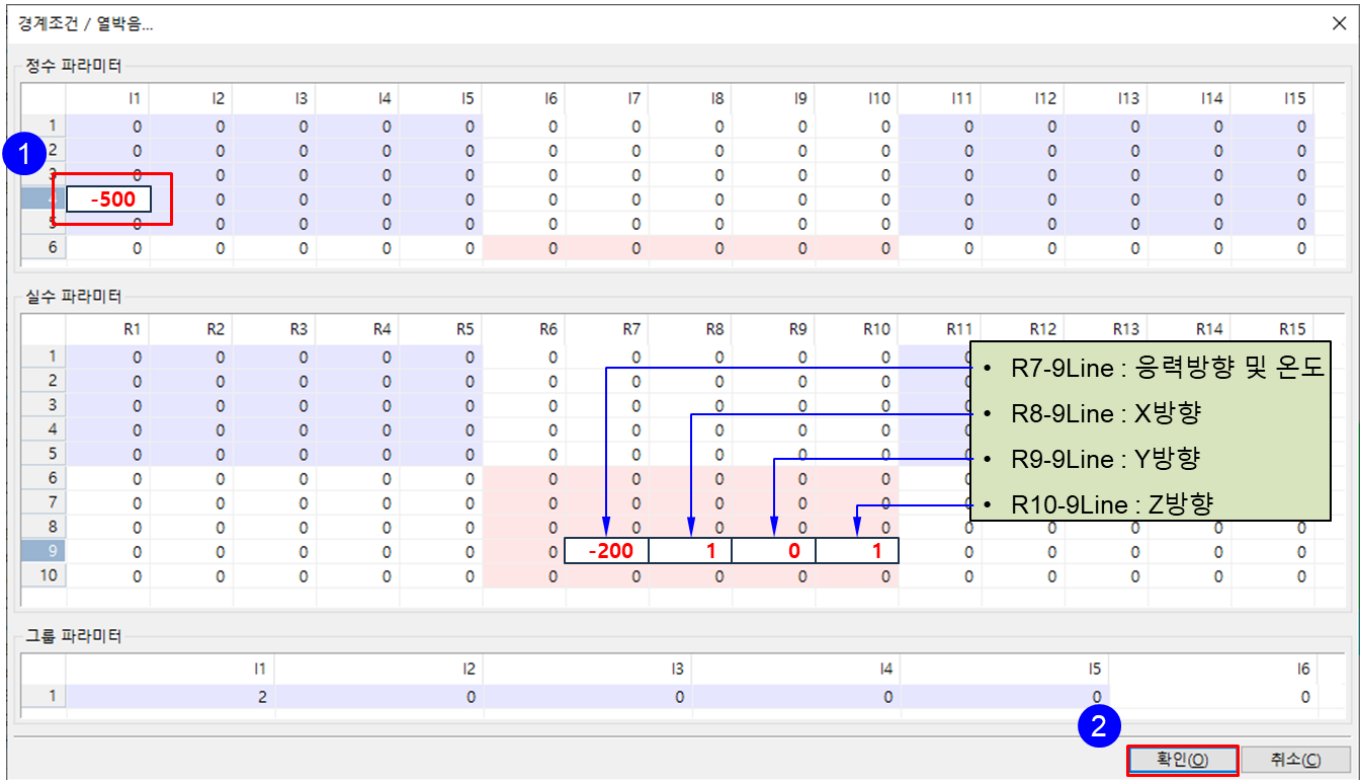


1. "I 4" " -500" ( .
2. " " .

[ 3 4 ]

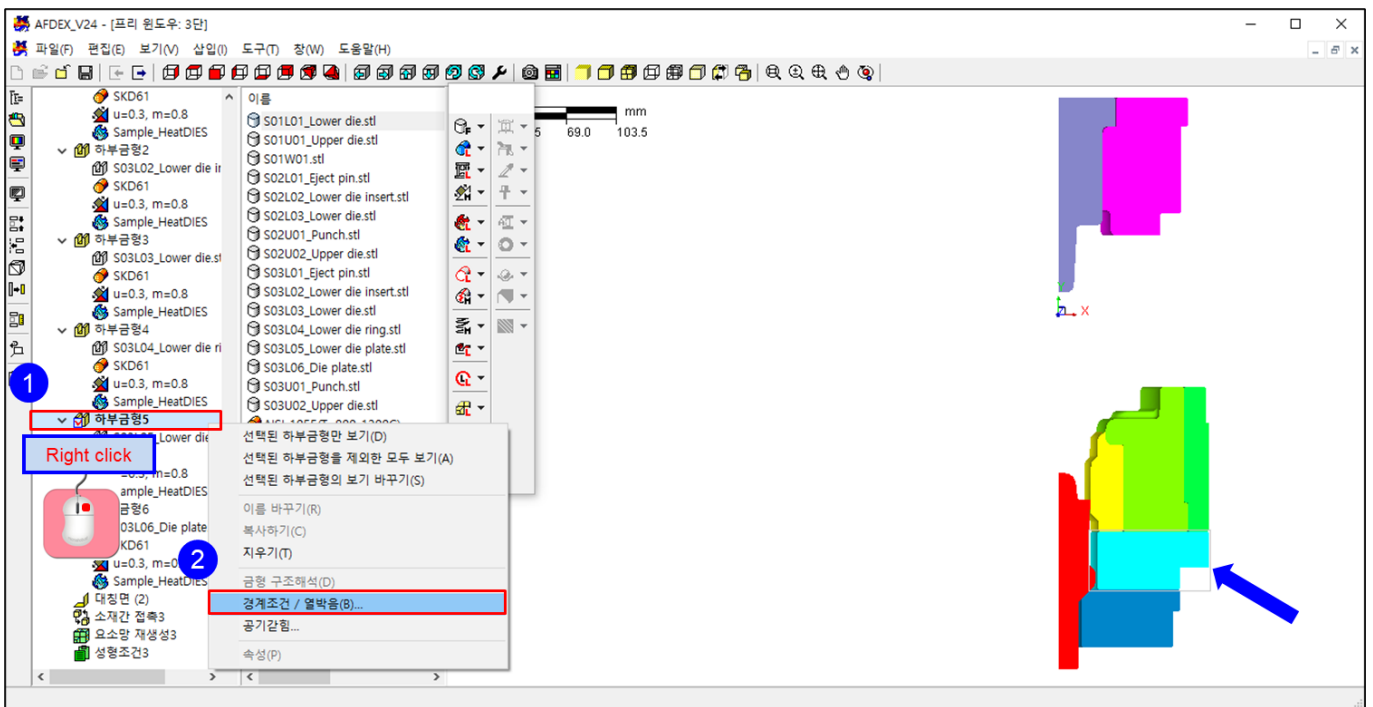


1. 3 " 4" .
2. " / " .



1. "I14" "-500" ( . )
2. "R7, R8, R9, R10" "9" ( . , )
3. " " " " .

[ 3 5 ]



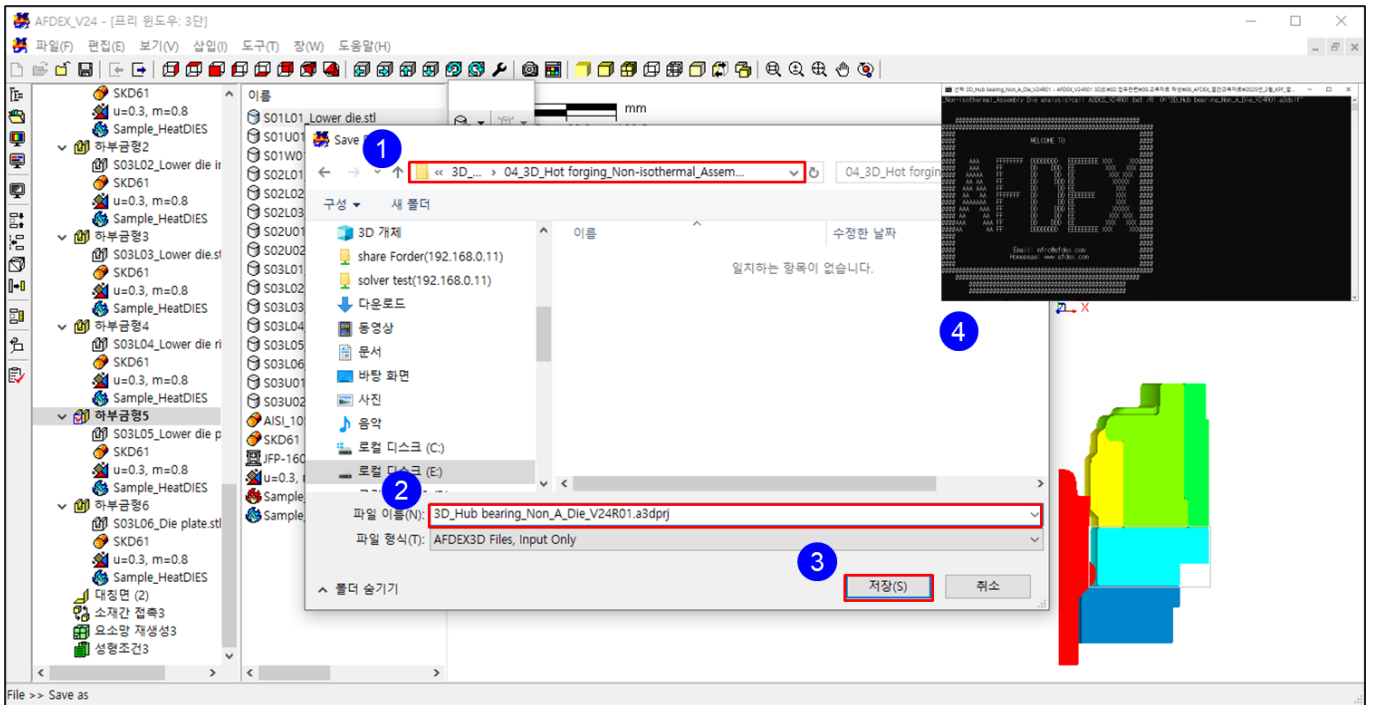
1. 3 " 5" .
2. " / " .





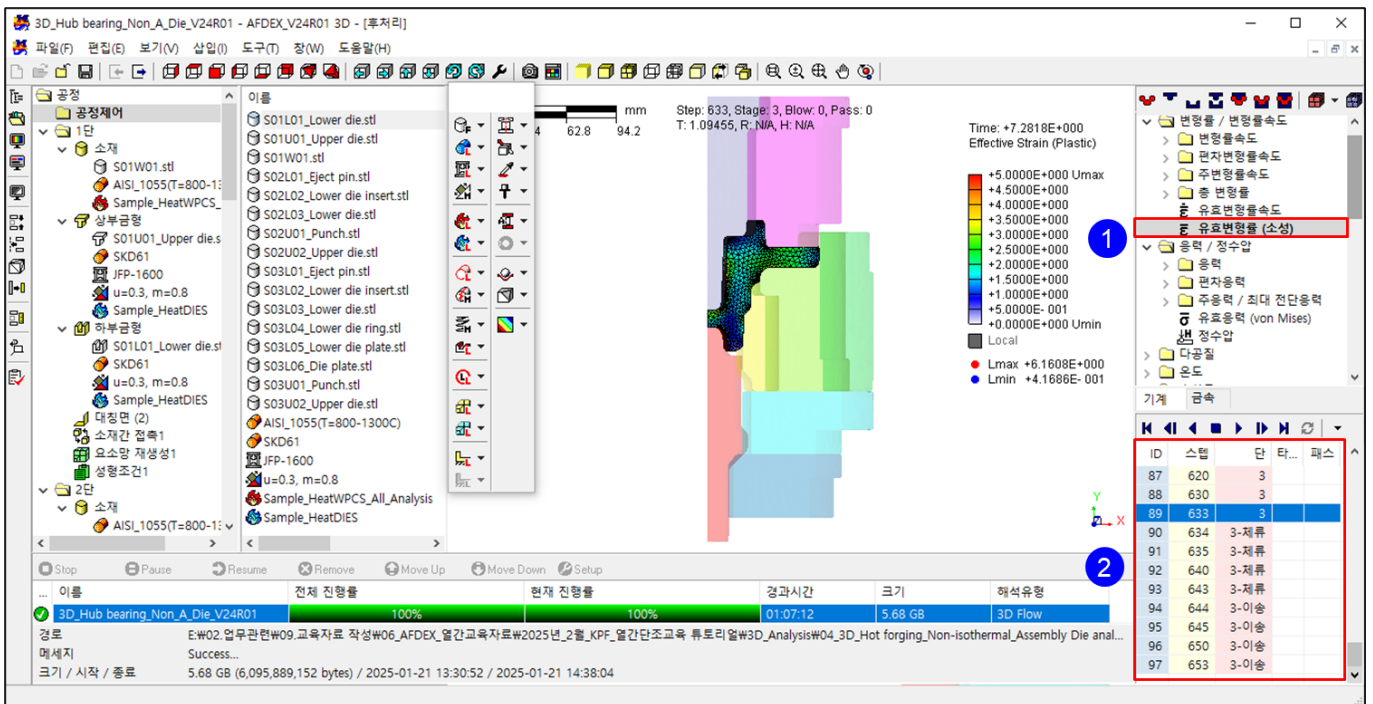


[ ]



1. “ ” , ( )
2. “ ” . ( )
3. “ ”
4. .

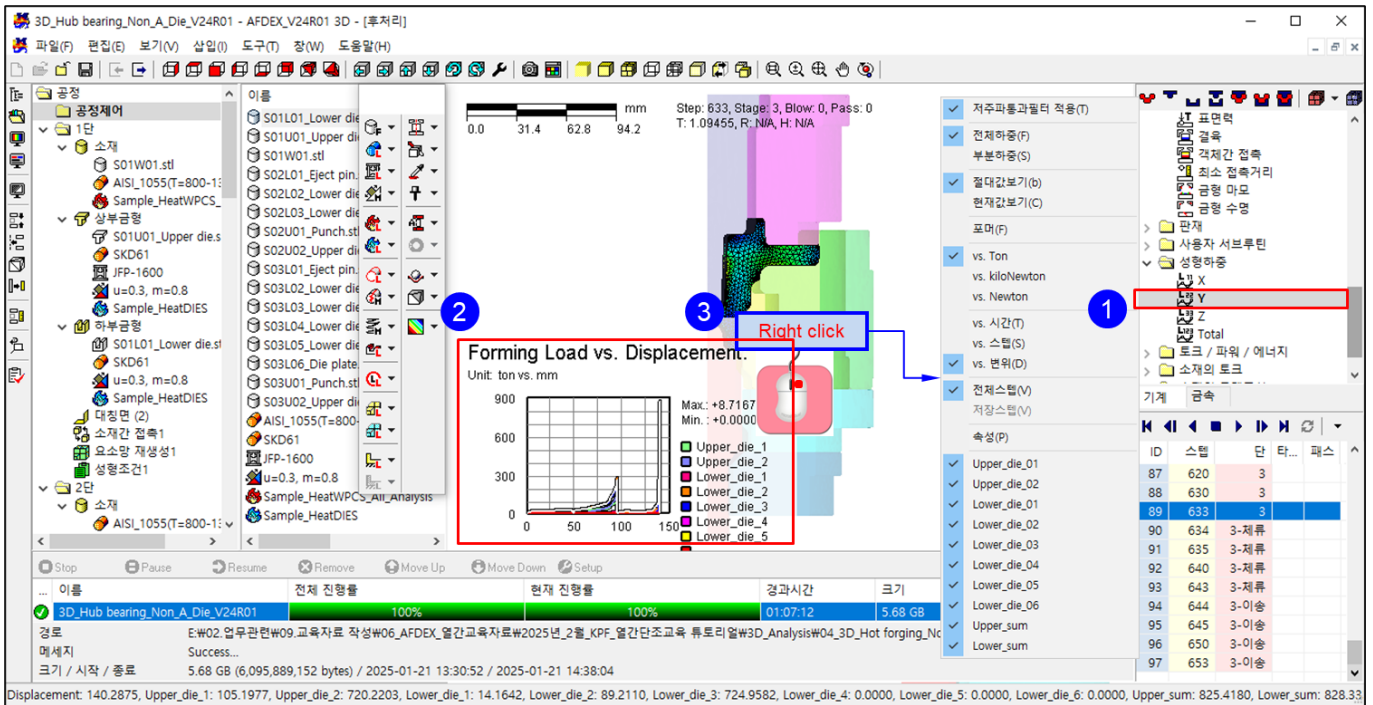
[ : ]



1. “ ” “ ” ( ) “ ” . ( )
2. 가

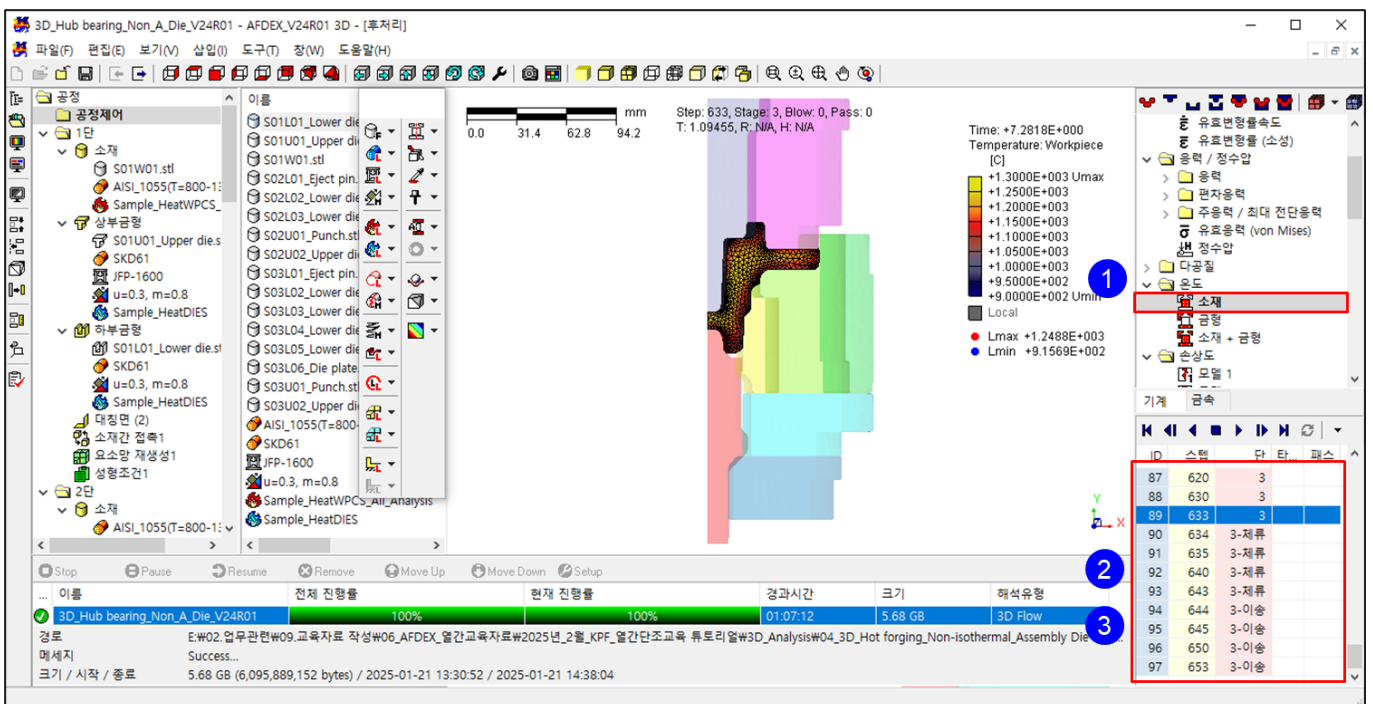


[ : ]



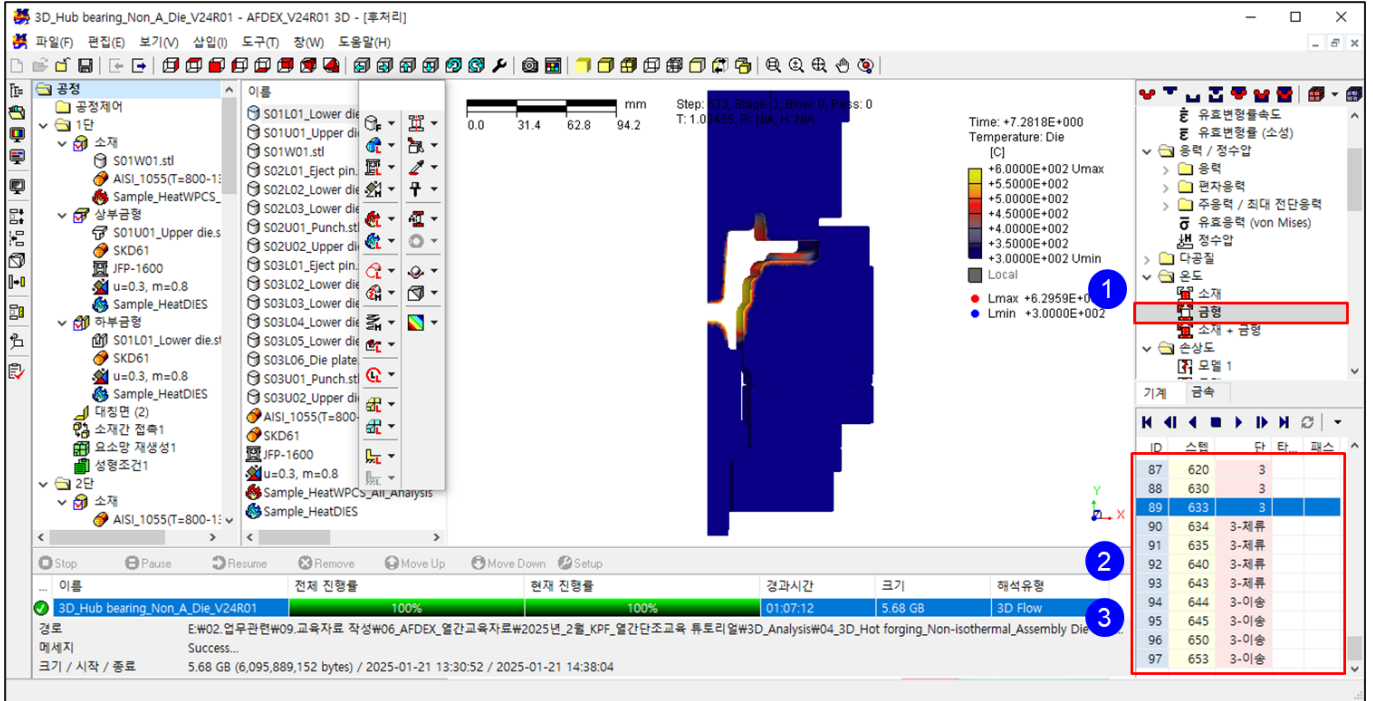
1. “ ” “ → Y (z) ” . ( 가 -Y , Y )
2. Y .
3. “ , / , ”  
가 . ( ) , , ,

[ : ( ) ]



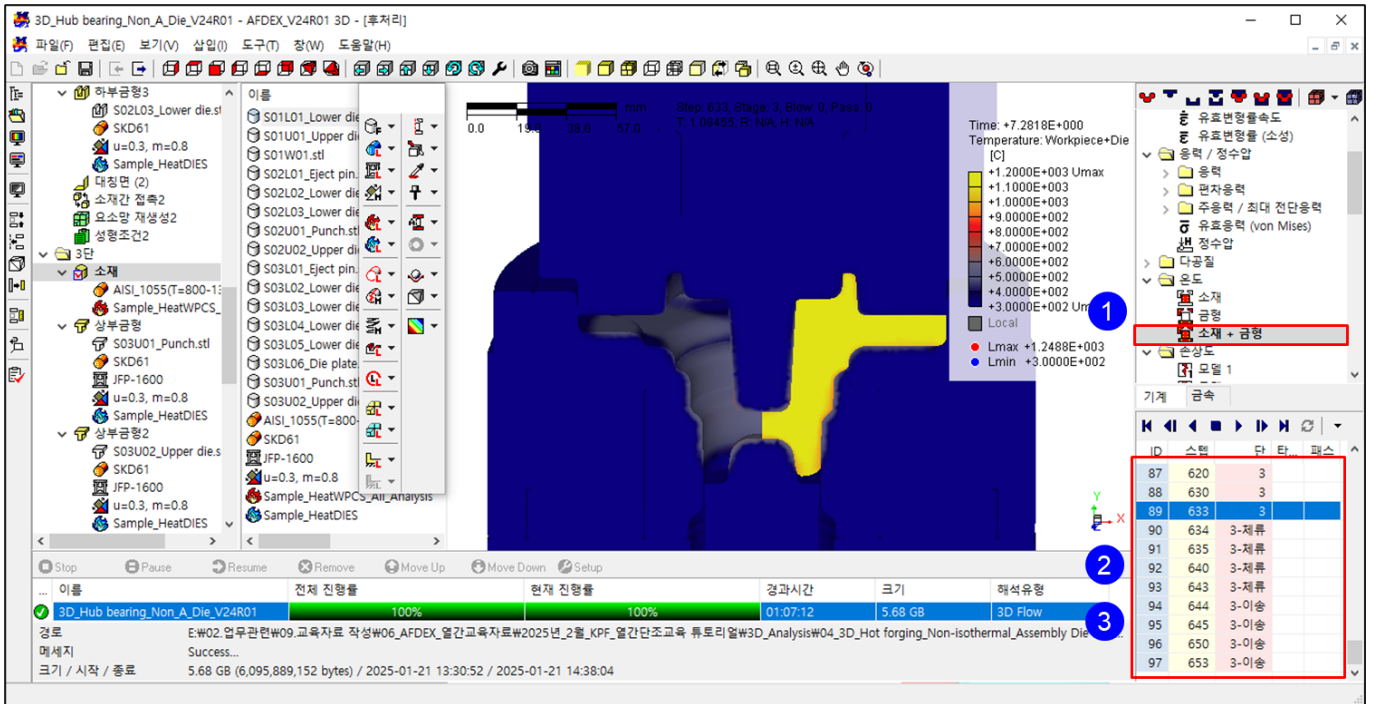
1. “ ” “ ”
2. 가
3. , , , , 가 .

[ : ( ) ]



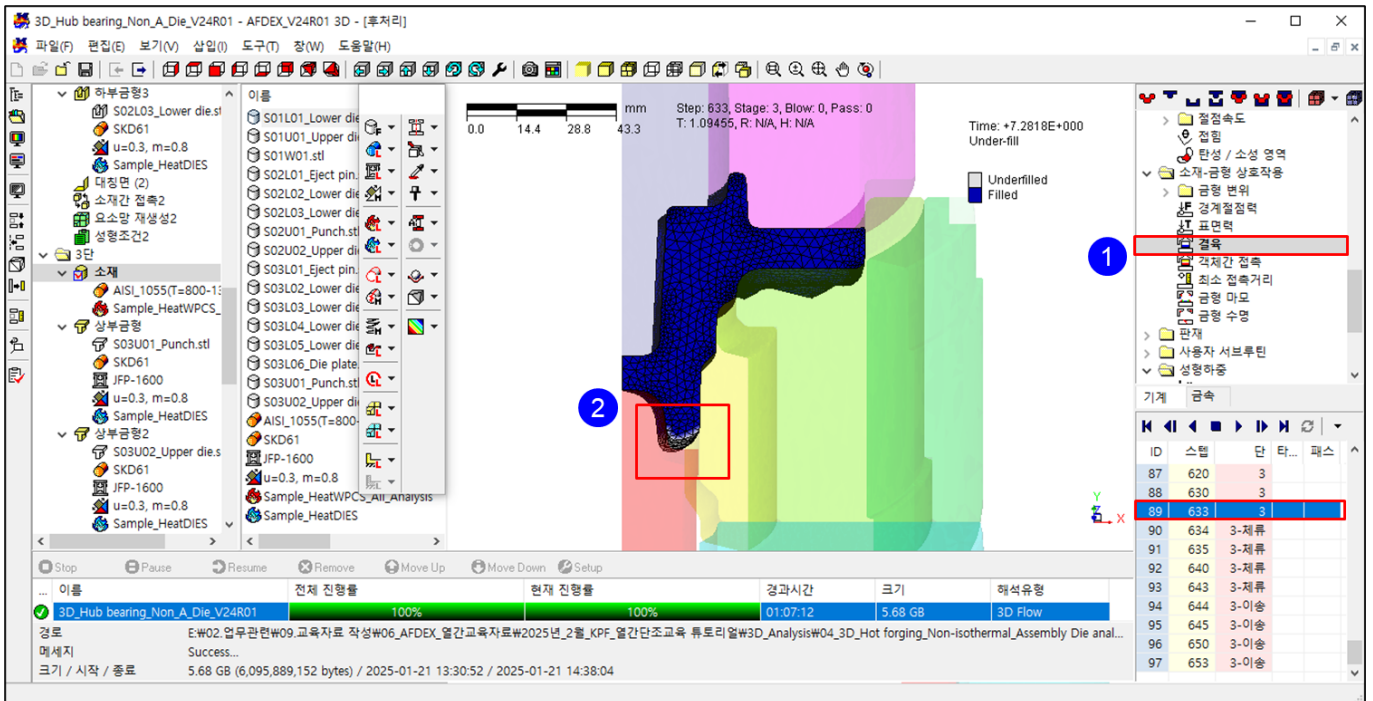
1. “ ” “ ”
2. 가
3. , , , , 가 .

[ : ( + ) ]



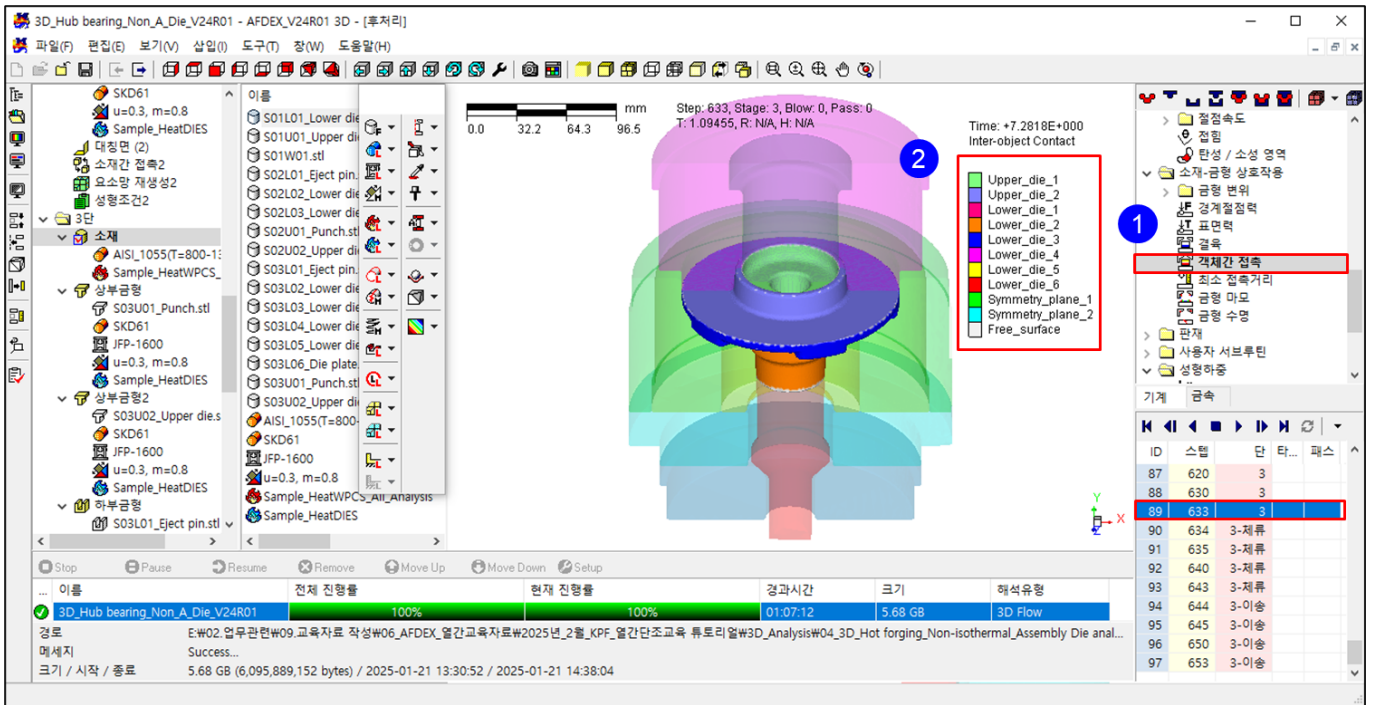
1. “ ” “ ” + ” .
2. + 가
3. , , , , 가 .

[ : ]



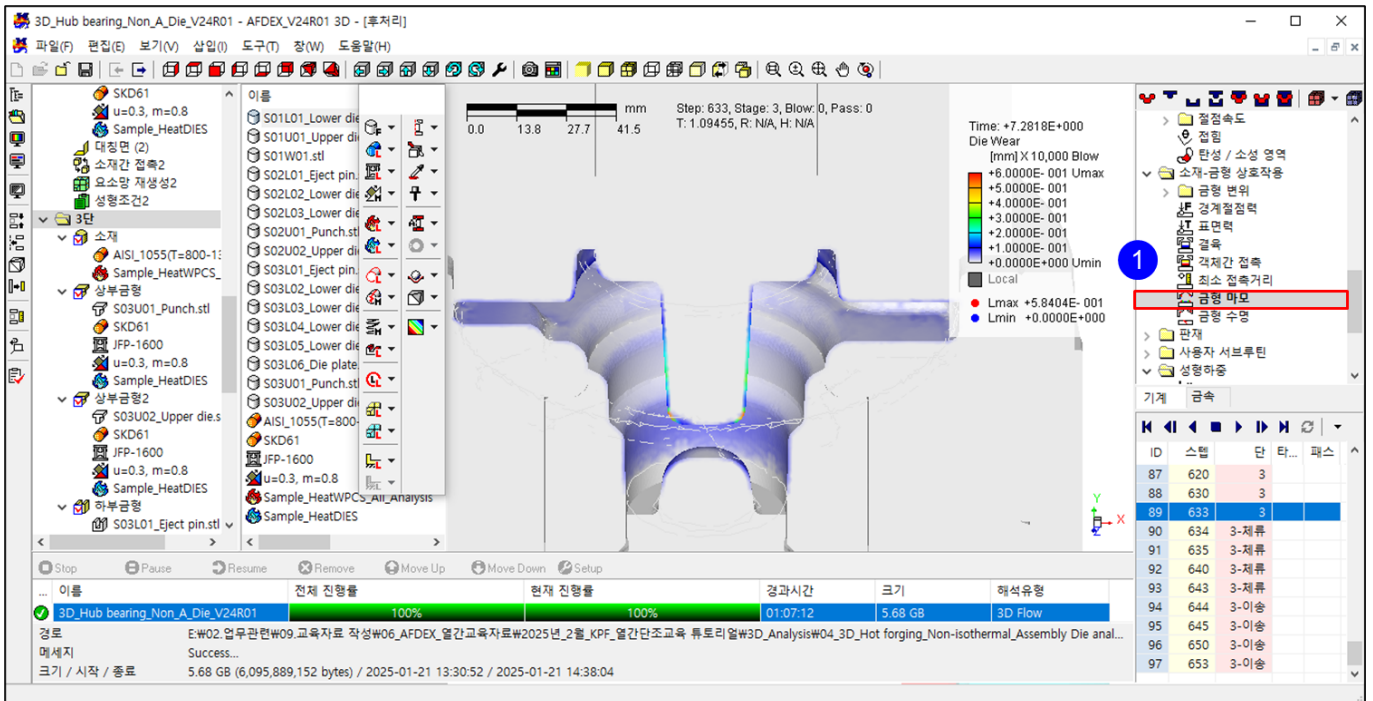
1. “ ” “ ”
2. 가

[ : ]



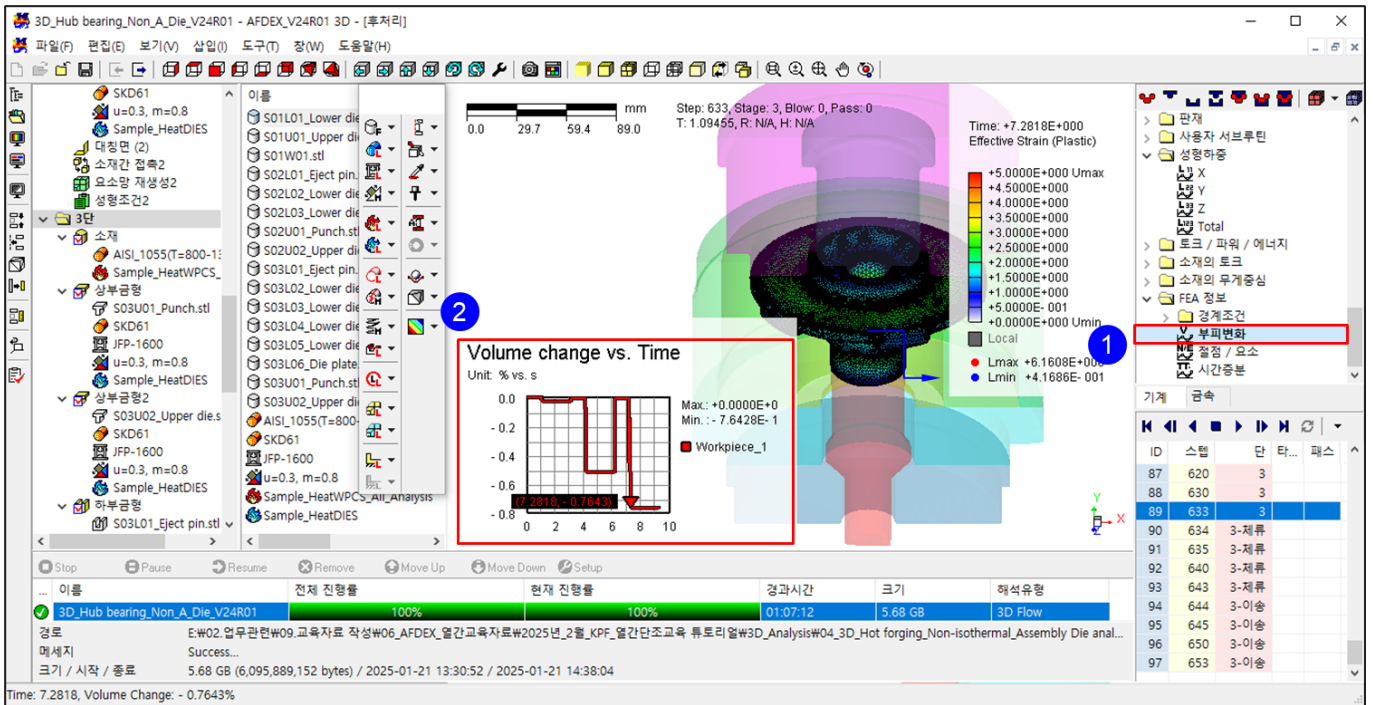
1. “ ” “ ” 가
2. , 가

[ : ]



1. “ ” “ ” 가
2. 10000 가

[ : ]



가

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