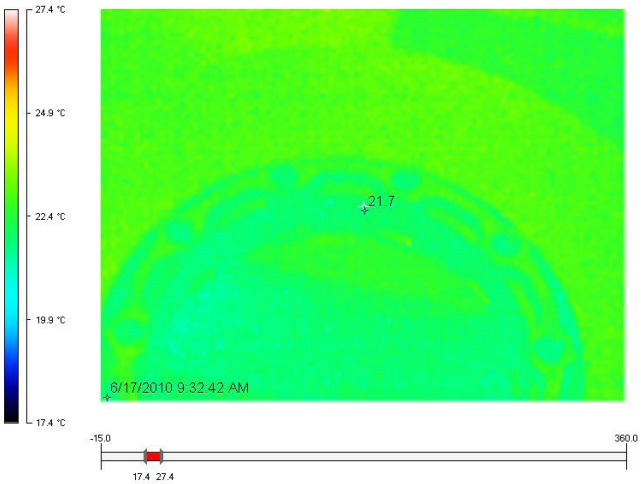
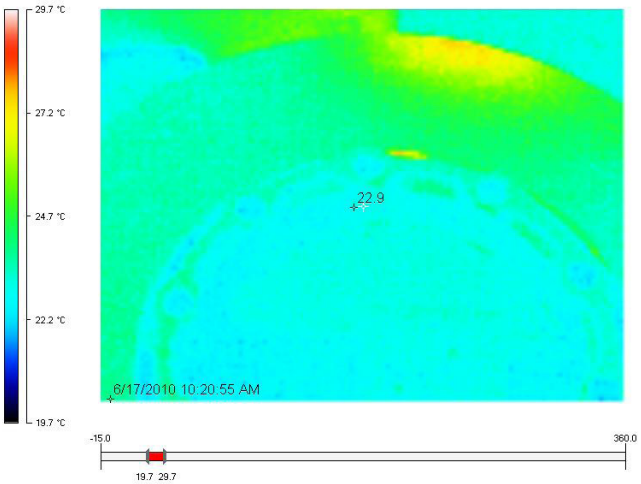
# INTEGRAL BRAKE DISC HEATING TEST
# HEATING PHASE

**PIRATE** BRAKE DISC - **PIRATE** BRAKE DISC - **PIRATE** BRAKE DISC - **PIRATE** BRAKE DISC - **PIRATE** BRAKE DISC - **PIRATE** BRAKE DIS

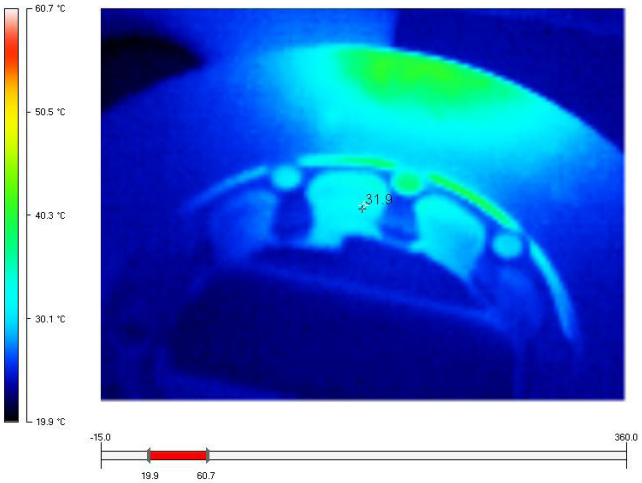
**Before start**
Inner temperature: **21,7 °C**



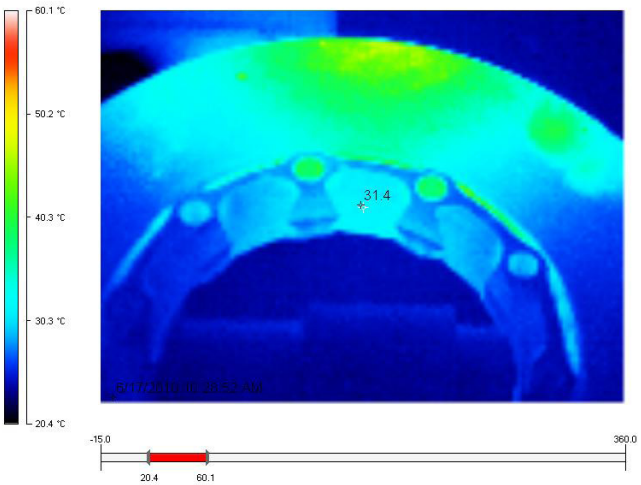

**Right after start**
Inner temperature: **22,9 °C**



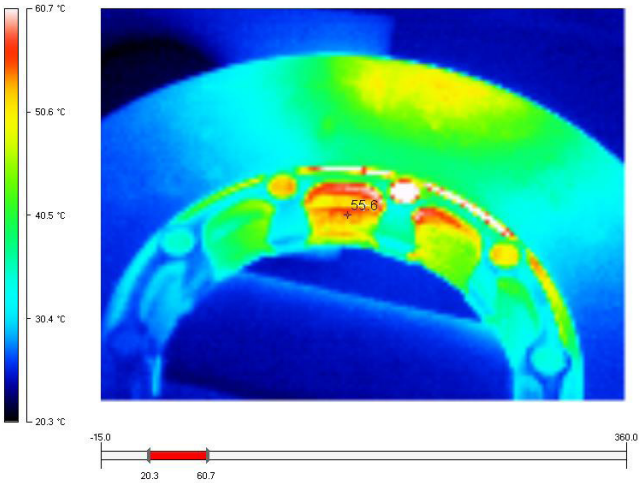

After heating: **5 minutes with 700 °C at the edge**
Inner temperature: **31,9 °C**



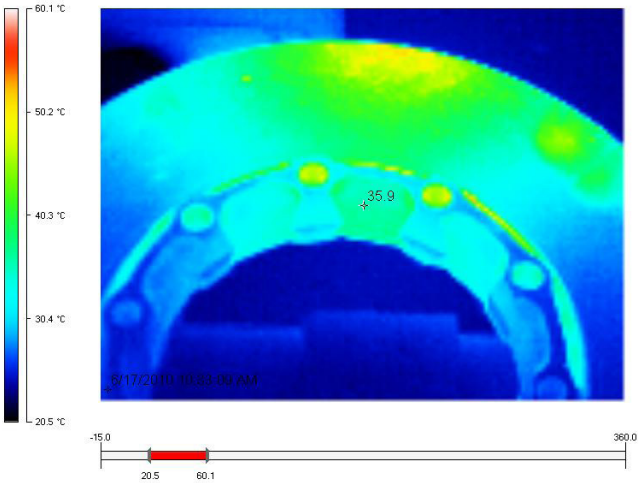

After heating: **5 minutes with 700 °C at the edge**
Inner temperature: **31,4 °C**




After heating: **10 minutes with 700 °C at the edge**
Inner temperature: **55,6 °C**




After heating: **10 minutes with 700 °C at the edge**
Inner temperature: **35,9 °C**

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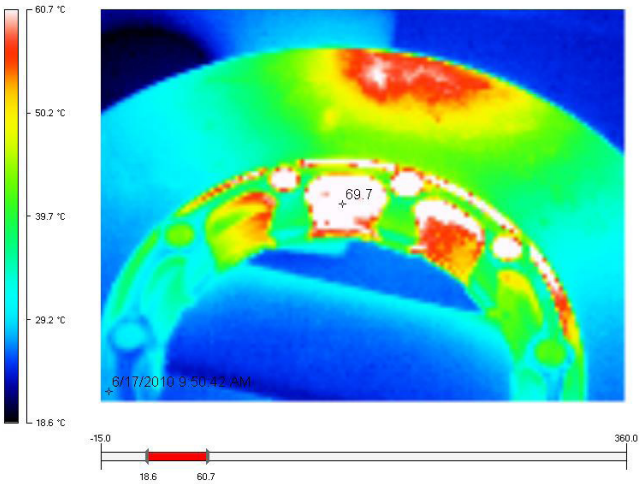
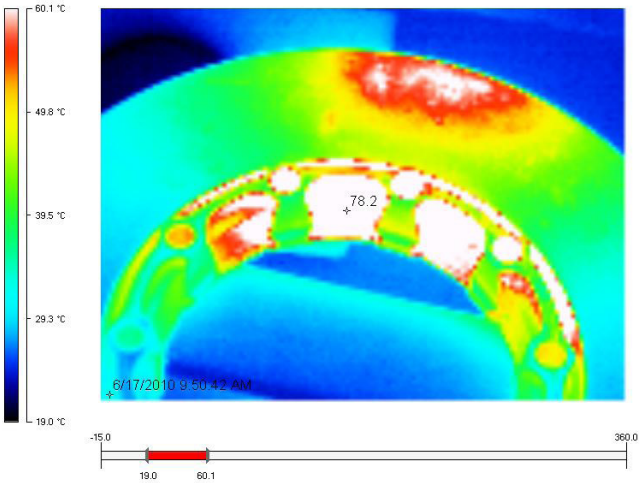
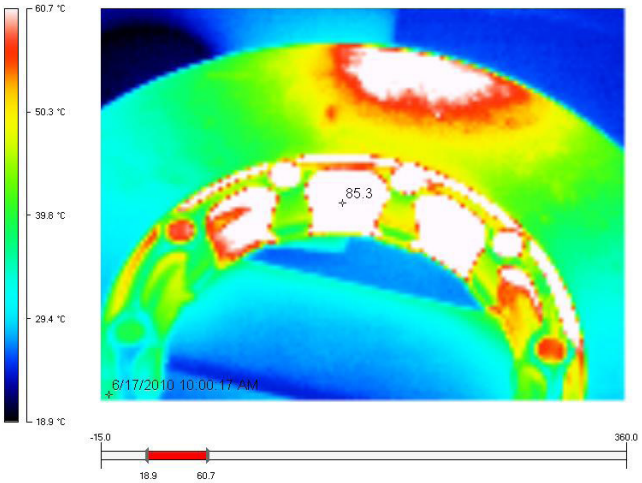
After heating: **15 minutes with 700 °C at the edge**
Inner temperature: **69,7 °C**



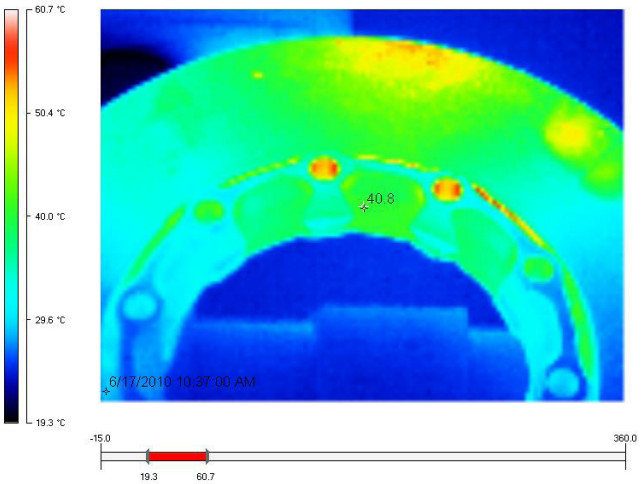

After heating: **20 minutes with 700 °C at the edge**
Inner temperature: **78,2 °C**



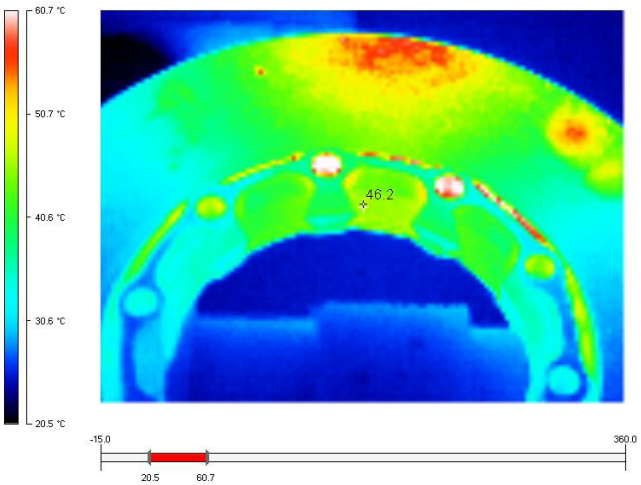

After heating: **25 minutes with 700 °C at the edge**
Inner temperature: **85,3 °C**



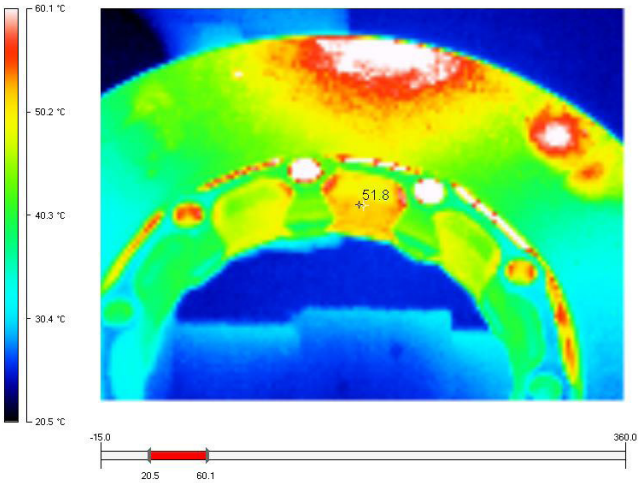

After heating: **15 minutes with 700 °C at the edge**
Inner temperature: **40,8 °C**




After heating: **20 minutes with 700 °C at the edge**
Inner temperature: **46,2 °C**




After heating: **25 minutes with 700 °C at the edge**
Inner temperature: **51,8 °C**

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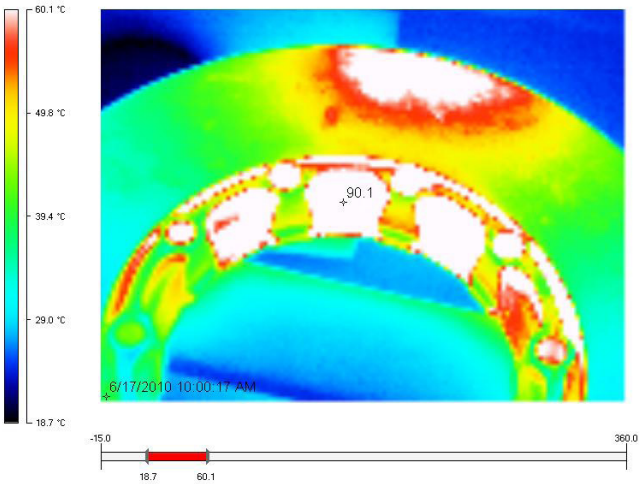
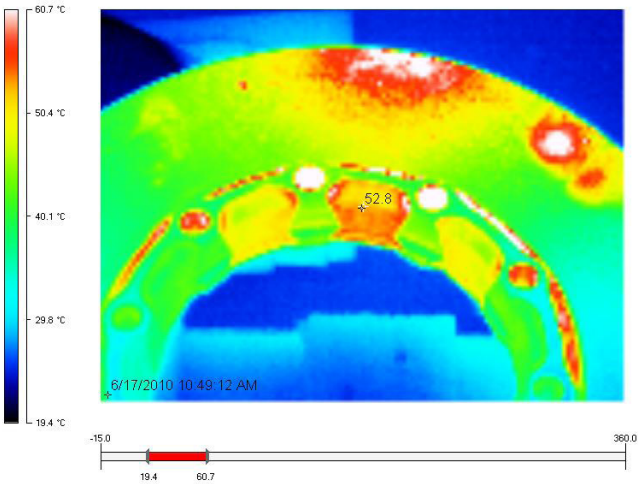
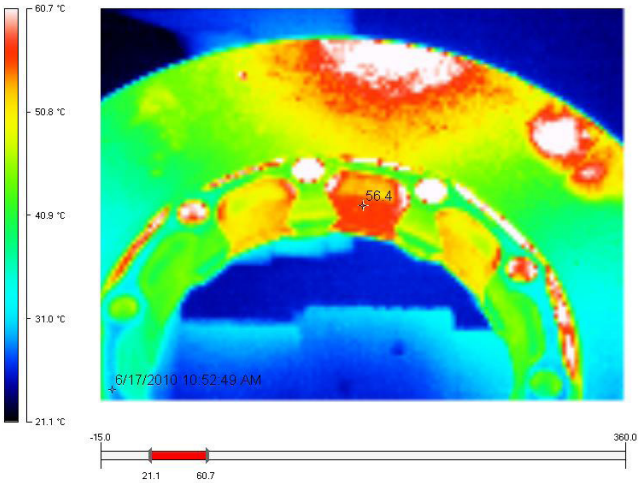
After heating: **30 minutes with 700 °C at the edge**
Inner temperature: **90,1 °C**



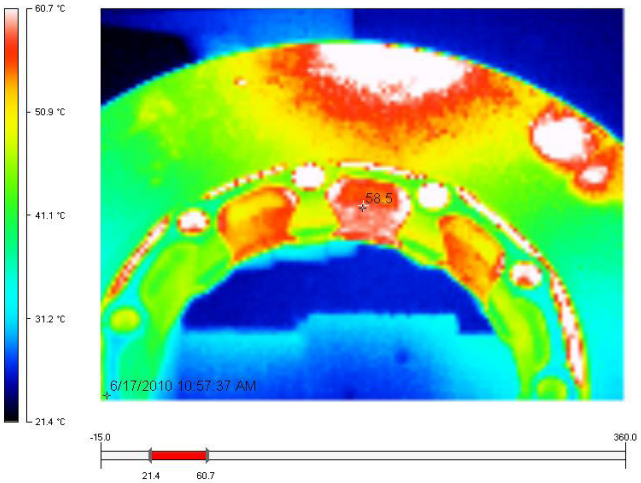

After heating: **30 minutes with 700 °C at the edge**
Inner temperature: **52,8 °C**




After heating: **35 minutes with 700 °C at the edge**
Inner temperature: **56,4 °C**




After heating: **40 minutes with 700 °C at the edge**
Inner temperature: **58,5 °C**

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# HEATING PHASE

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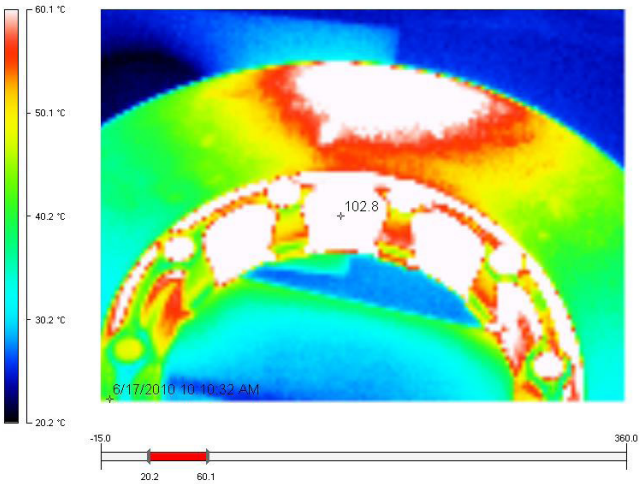
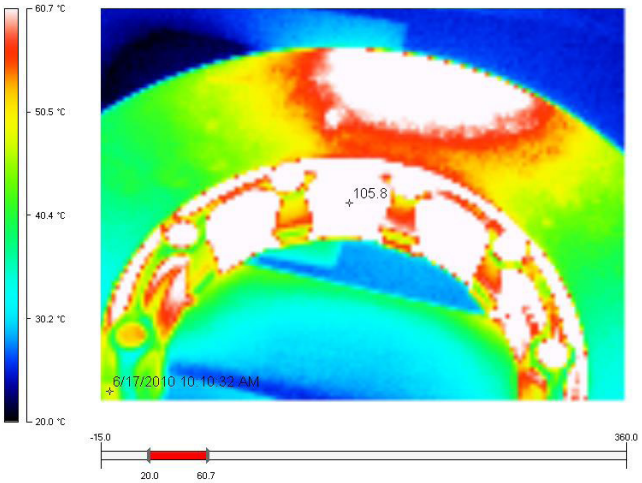
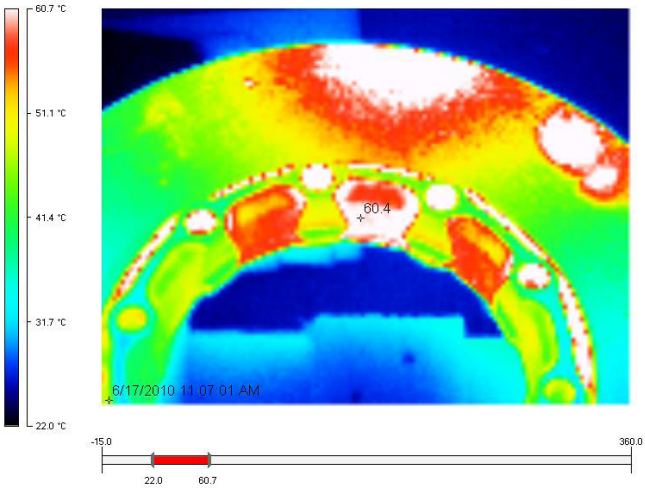
After heating: **30 minutes with 700 °C at the edge**
**+ 5 minutes with 1300 °C at the edge**
Inner temperature: **102,8 °C**



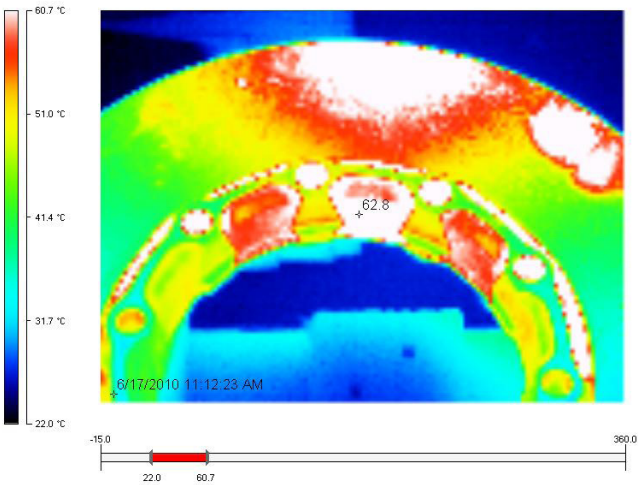

After heating: **30 minutes with 700 °C at the edge**
**+ 10 minutes with 1300 °C at the edge**
Inner temperature: **105,8 °C**



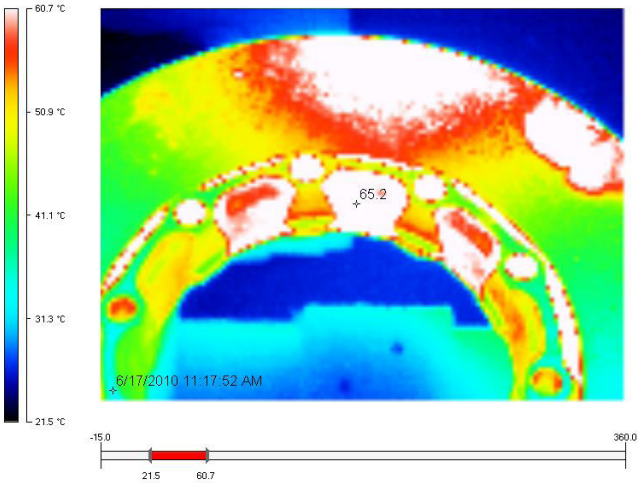

After heating: **40 minutes with 700 °C at the edge**
**+ 5 minutes with 1300 °C at the edge**
Inner temperature: **60,4 °C**




After heating: **40 minutes with 700 °C at the edge**
**+ 10 minutes with 1300 °C at the edge**
Inner temperature: **62,8 °C**




After heating: **40 minutes with 700 °C at the edge**
**+ 15 minutes with 1300 °C at the edge**
Inner temperature: **65,2 °C**

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# INTEGRAL BRAKE DISC HEATING TEST
# COOLING PHASE

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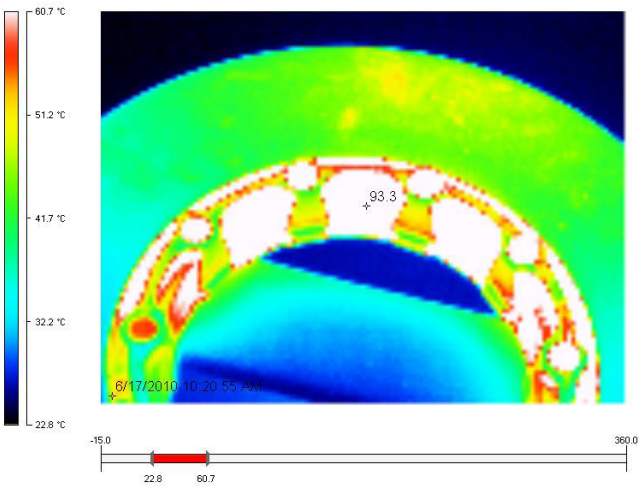
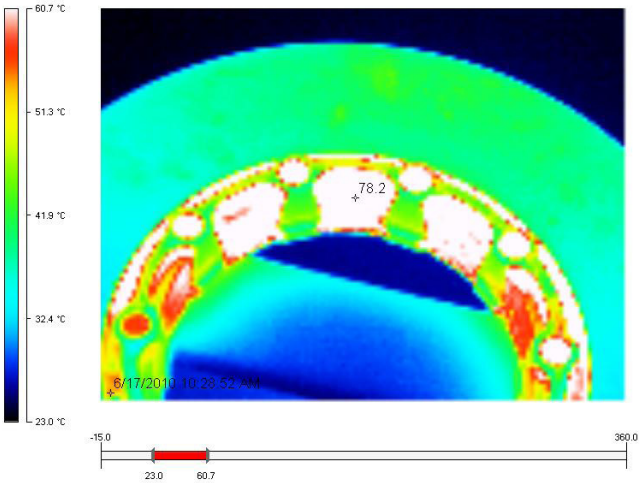
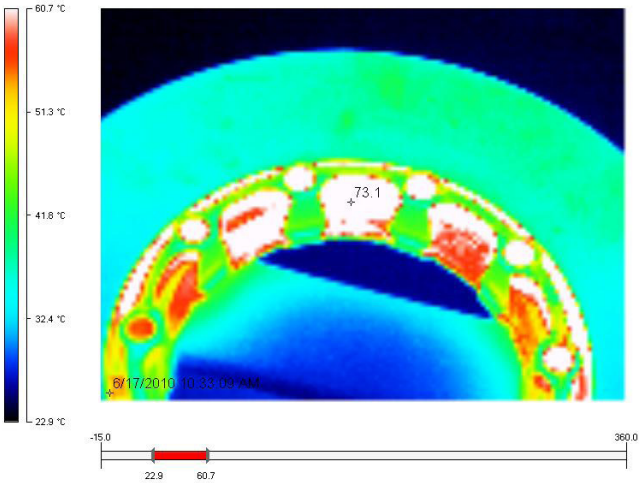
Cooling after **5 minutes**
Inner temperature: **93,3 °C**



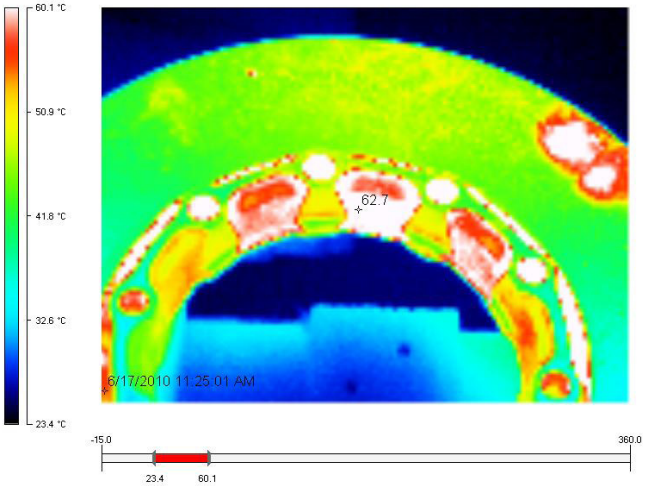

Cooling after **10 minutes**
Inner temperature: **78,2 °C**



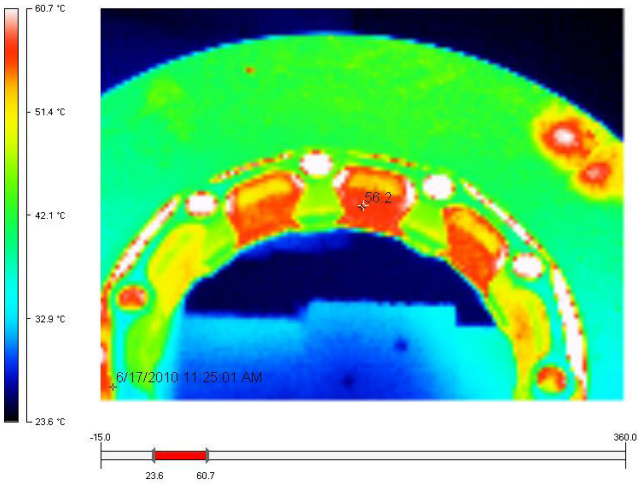

Cooling after **15 minutes**
Inner temperature: **73,1 °C**



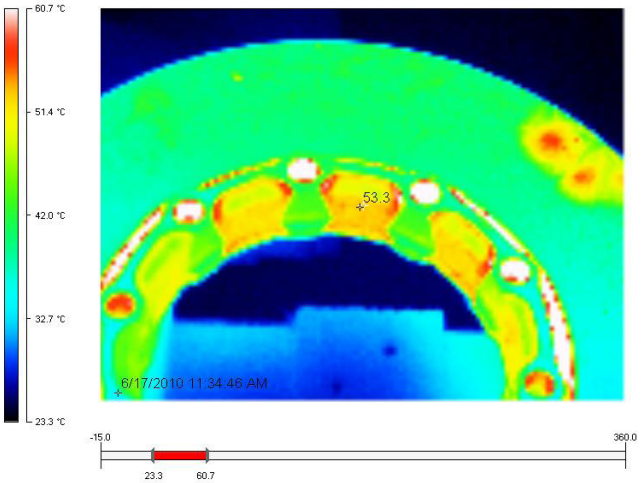

Cooling after **5 minutes**
Inner temperature: **62,7 °C**




Cooling after **10 minutes**
Inner temperature: **56,2 °C**




Cooling after **15 minutes**
Inner temperature: **53,3 °C**

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# COOLING PHASE

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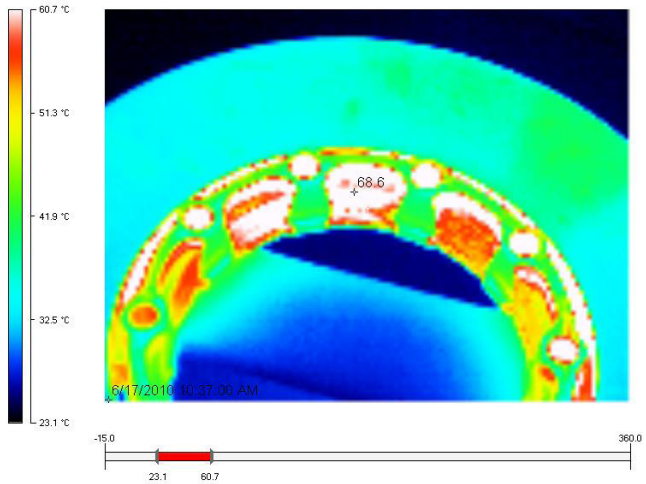
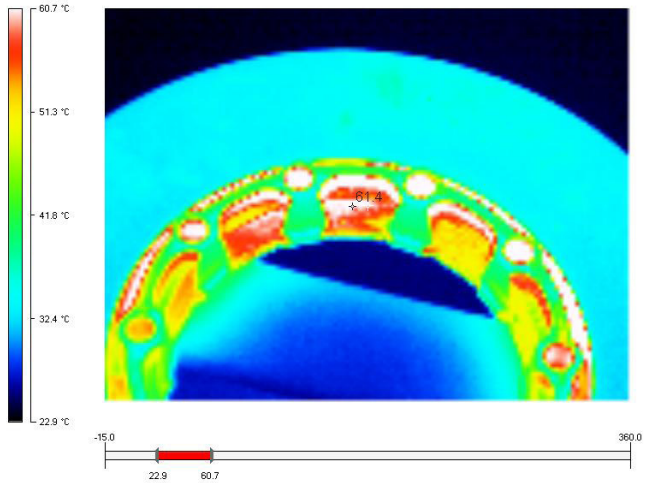
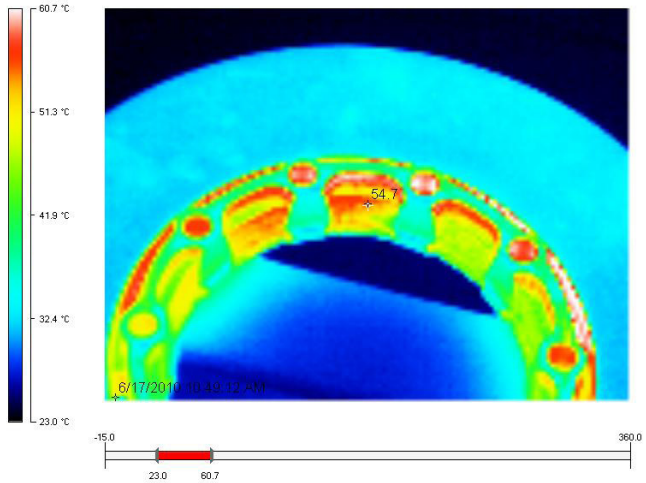
Cooling after **20 minutes**
Inner temperature: **68,6 °C**




Cooling after **25 minutes**
Inner temperature: **61,4 °C**




Cooling after **30 minutes**
Inner temperature: **54,7 °C**

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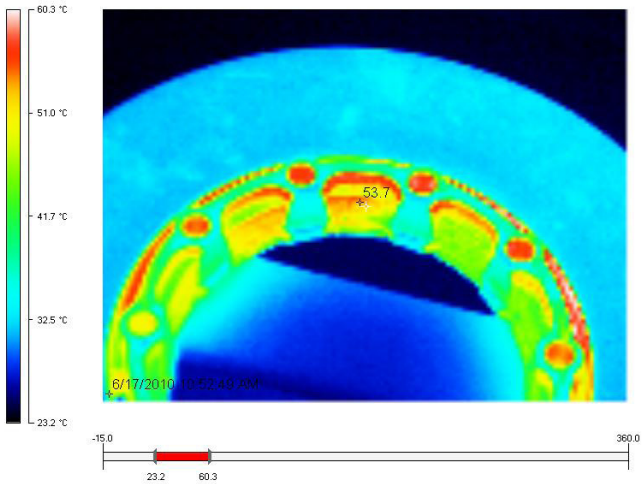
# INTEGRAL BRAKE DISC HEATING TEST
# COOLING PHASE

Cooling after **35 minutes**
Inner temperature: **53,7 °C**

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