# Hettich ROTOFIX 32A

## Centrifuge Preventative Maintenance Schedule

*Taken from the operator manuals supplied with each centrifuge*

### Centrifuge Bowl Seal

| Cleaning Weekly | Rubber Maintenance Weekly | Maintains long life of seal. Always inspect seal for damage. |

### Rotor

| Cleaning Weekly | Lube Monthly | Secured Weekly | Maintains good lab practices for cleanliness. Helps maintain good results. Check rotor fixing screw for safety. Always inspect rotor for damage. |

### Buckets

| Cleaning Weekly | Lube Monthly | Maintains good lab practices for cleanliness. Helps maintain good results. Always inspect buckets for damage. |

### Motor Shaft

| Cleaning Weekly | Lube Monthly | Helps to ensure that the rotor can be removed for maintenance when needed. Does not affect performance. Always inspect shaft for damage. |

### Surfaces and Chamber

| Cleaning Weekly | Maintains good lab practices for cleanliness. Always inspect for damage. |

### Validations

| Speed and timer 1 or 2 per year | Ensures proper operation of the centrifuge. |

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### Most Common Error Codes and Clearing Procedures

**ERROR CODE - 1 (tachometer error)**

Clearing Procedure:
- Wait for rotor stand still (120 seconds after rotor stops)
- Turn the power off and wait 10 seconds
- Turn the power on
- Check to make sure rotor is installed properly before spinning

**ERROR CODE - d (lid lock error)**

Clearing Procedure:
- Turn the power off and wait 10 seconds
- Turn the power on
- Open and close lid

**ERROR CODE - F (tachometer error)**

Clearing Procedure:
- Wait for rotor stand still
- Turn the power off and wait 10 seconds
- Turn the power on
- Check to make sure rotor is installed properly before spinning

**ERROR CODE - 2 (mains interrupt)**

Clearing Procedure:
- Wait for rotor stand still
- Open the lid
- Press the start button
- Close lid and start again

**ERROR CODE - 3 (balance error)**

Clearing Procedure:
- Wait for rotor stand still
- Check to make sure the centrifuge is sitting on a level and sturdy surface
- Make sure the rotor is installed properly and the bucket weight is distributed evenly before spinning