

# Motorized Stages

## Code Guide

This guide can be used to quickly identify the exact product code for our stages. Many of our stages can fit to a variety of microscopes and can be configured in various ways. **To ensure that the correct stage is manufactured and delivered, it is essential that the correct product code be provided.** Many commonly used microscopes have configuration charts, available via Prior Scientific, which will provide the specific codes for the stages that will fit to that microscope. Additionally, the online configuration guide, available on the Prior UK website, can also be used. **We highly recommend that you contact a Prior Sales Manager before ordering.**

Please note that this is a guide relevant to commonly used, relatively recent research microscopes. For less common, more specialised, or older microscopes, contact Prior Scientific.

### H101F FLAT TOP STAGE FOR UPRIGHT MICROSCOPES

**H101P2F**

This indicates whether the stage is encoded or not:

**P:** Not currently encoded (upgrade available)  
**E:** Encoded

This indicates the ball screw pitch of the stage:

**1:** 1 mm ballscrew  
**2:** 2 mm ballscrew

This indicates the microscope type the stage is suitable for:

**F:** No microscope specified  
**BX:** Olympus (general)  
**B3:** Olympus (BX63 microscope w/pillars)  
**NI:** Nikon\* (SSR substage)  
**CI:** Nikon\* (SS substage)  
**ZEP:** Nikon\* (AZ100)  
**DM:** Leica  
**AX:** Zeiss

*\*Note that for SMZ series microscopes, an 'F' stage should be ordered along with an HSMZ1825 adaptor plate.*

### H117 STAGE FOR INVERTED MICROSCOPES

**H117E1#4**

This indicates whether the stage is encoded or not:

**N:** Not encoded (MA 200 Microscopes only)  
**P:** Not currently encoded (upgrade available)  
**E:** Encoded

*\*Note that a H4100 adapter is required when adding a stage to an Olympus IX73 with a motorized DIC unit, and a H4101 for an IX83 with a motorised DIC unit.*

*\*\* Note that the part code for IX81 microscopes is given above. These codes are for IX71, IX73 and IX83 microscopes.*

This indicates the microscope type the stage fits to and stepper motor the stage has:

**I4:** Olympus IX81, 400 stepper motor  
**N4:** Nikon, 400 stepper motor  
**M4:** Nikon, 400 stepper motor (MA200 only)  
**X4:** Zeiss, 400 stepper motor  
**D4:** Leica, 400 stepper motor

**Olympus\* microscopes\*\* utilise the following codes:**

**H117P1XD:** 1 mm ballscrew, 400 stepper motor  
**H117E1XD:** 1 mm ballscrew, 400 stepper motor, encoded

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## H101A STAGE FOR UPRIGHT MICROSCOPES

**H101A**

This indicates whether the stage is encoded or not:

**1**: Not currently encoded (upgrade available)  
**E**: Encoded

This indicates the ball screw pitch of the stage:

**0**: 2 mm ballscrew  
**P**: 1 mm ballscrew

This indicates the stepper motor of the stage:

**1**: 200 stepper motor  
**4**: 400 stepper motor

This indicates the microscope type the stage fits to:

**BX\***: Olympus  
**E50**: Nikon (SS substage)  
**E80**: Nikon (SSR substage)  
**AZEP**: Nikon (AZ100)  
**LV**: Nikon LV100/LV150  
**AXIM**: Zeiss AxioExaminer/Axioimager  
**DMLS**: Leica

*\*For Olympus BX63 microscopes add a STAD adapter (available from OLYMPUS) to your microscope system.*

## LINEAR STAGES FOR INVERTED MICROSCOPES

**HLD117##**

This indicates the microscope type the stage fits to:

**IX**: Olympus\*  
**NN**: Nikon  
**DM**: Leica

*\*Note that a H4100 adapter is required when adding a stage to an Olympus IX73 with a motorized DIC unit, and a H4101 for an IX83 with a motorized DIC unit*

## H138A STAGE FOR UPRIGHT MICROSCOPES

**H138A**

This indicates whether the stage is encoded or not:

**1**: Not currently encoded (upgrade available)  
**E**: Encoded

This indicates the microscope type the stage fits to:

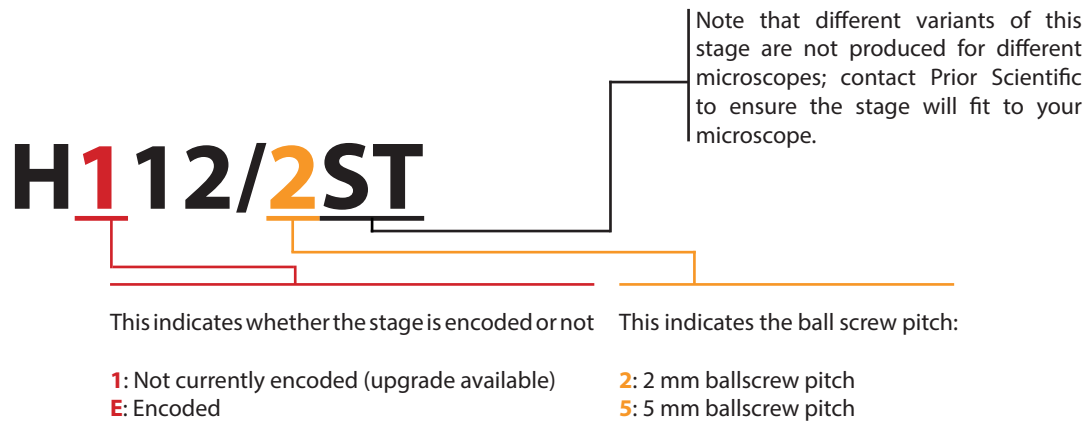
**BX**: Olympus  
**E50**: Nikon (SS substage)  
**E80**: Nikon (SSR substage)  
**AZEP**: Nikon (AZ100)  
**NLV**: Nikon LV100/LV150  
**AX1M**: Zeiss AxioExaminer/Axioimager  
**DMR**: Leica

# Motorized Stages

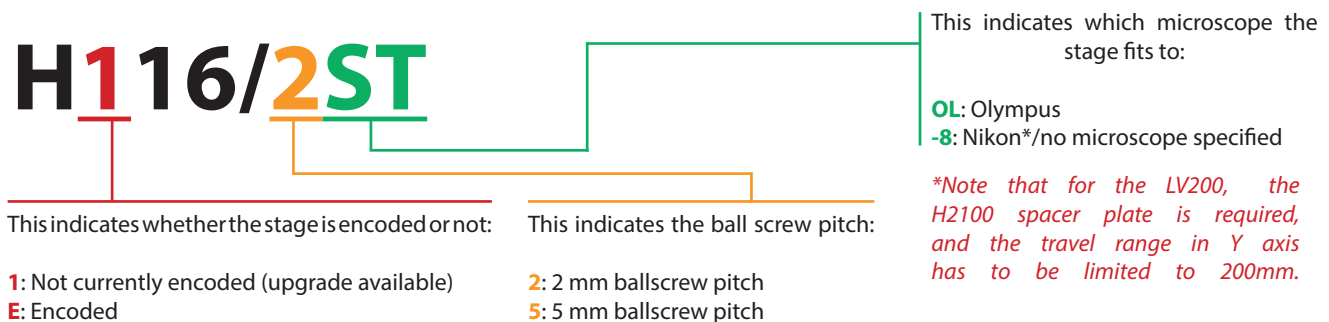
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### H112 STAGE FOR UPRIGHT MICROSCOPES



### H116 STAGE FOR UPRIGHT MICROSCOPES



### H105 FLAT TOP STAGE FOR UPRIGHT MICROSCOPES

**H105/N2F**

Note that the H105/N2F does not currently have encoded variants available.

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## Z-DECK ELECTROPHYSIOLOGY STAGE

**ZD#12MP**

This indicates which microscope the Z-Deck is adapted to:

**P:** Olympus BX51WI/BX61WI  
**N:** Nikon NiE/FN1  
**L:** Leica  
**Z:** Zeiss Axio Examiner

This indicates what drives the Z deck:

**P:** Stepper Motor (Unencoded)  
**E:** Stepper Motor (Encoded)  
**K:** Manual control  
**F:** Fixed (no movement possible)

## H139 MULTI-WELL PLATE STAGE

**H139#1##**

This indicates whether the stage is encoded:

**1:** Not currently encoded (upgrade available)  
**E:** 50 nm encoders

This indicates the microscope type the stage fits to:

**NN\*:** Nikon Ti  
**N5\*:** Nikon Ti  
**XD:** Olympus IX73/83

*\*Note that the suffix for Nikon, but not Olympus, microscopes changes depending on the presence or absence of encoders.*

## WORLDWIDE DISTRIBUTION



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