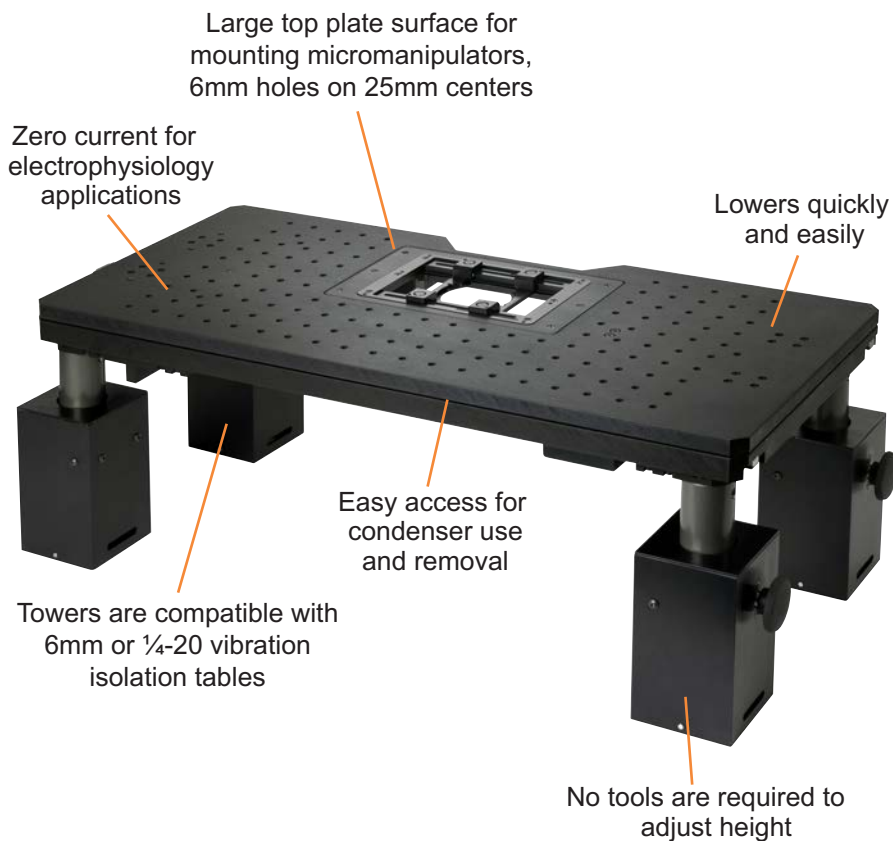


Motorized Z Deck Quick Adjust Platform System

For Nikon FN1/Ni, Olympus BX51WI/BX61WI and Zeiss Axio Examiner Microscopes



Prior Scientific's Z Deck Quick Adjust Platform enables users to increase their productivity by allowing them to image multiple areas of interest with speed and precision.

ZDeck Quick Adjust Platform features:

- Pneumatic piston towers which make raising and lowering the Z Deck virtually effortless.
- No tools are required to adjust the height.
- Change between thin sample and whole animal imaging height in seconds.
- ProScan™III controller and CS200XY joystick provide ultra fine XY stage control.
- A completely integrated XY stage which provides a lower profile with a thinner cross section allowing for large samples.
- Oversized top surface for mounting additional micromanipulators and stereotaxic instruments.
- Fully encoder upgradable.
- Large sample area for mounting existing, heating, cooling, perfusion and incubation chambers.
- Compatible with most imaging software.

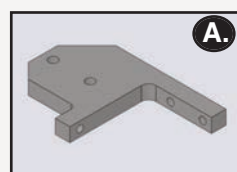
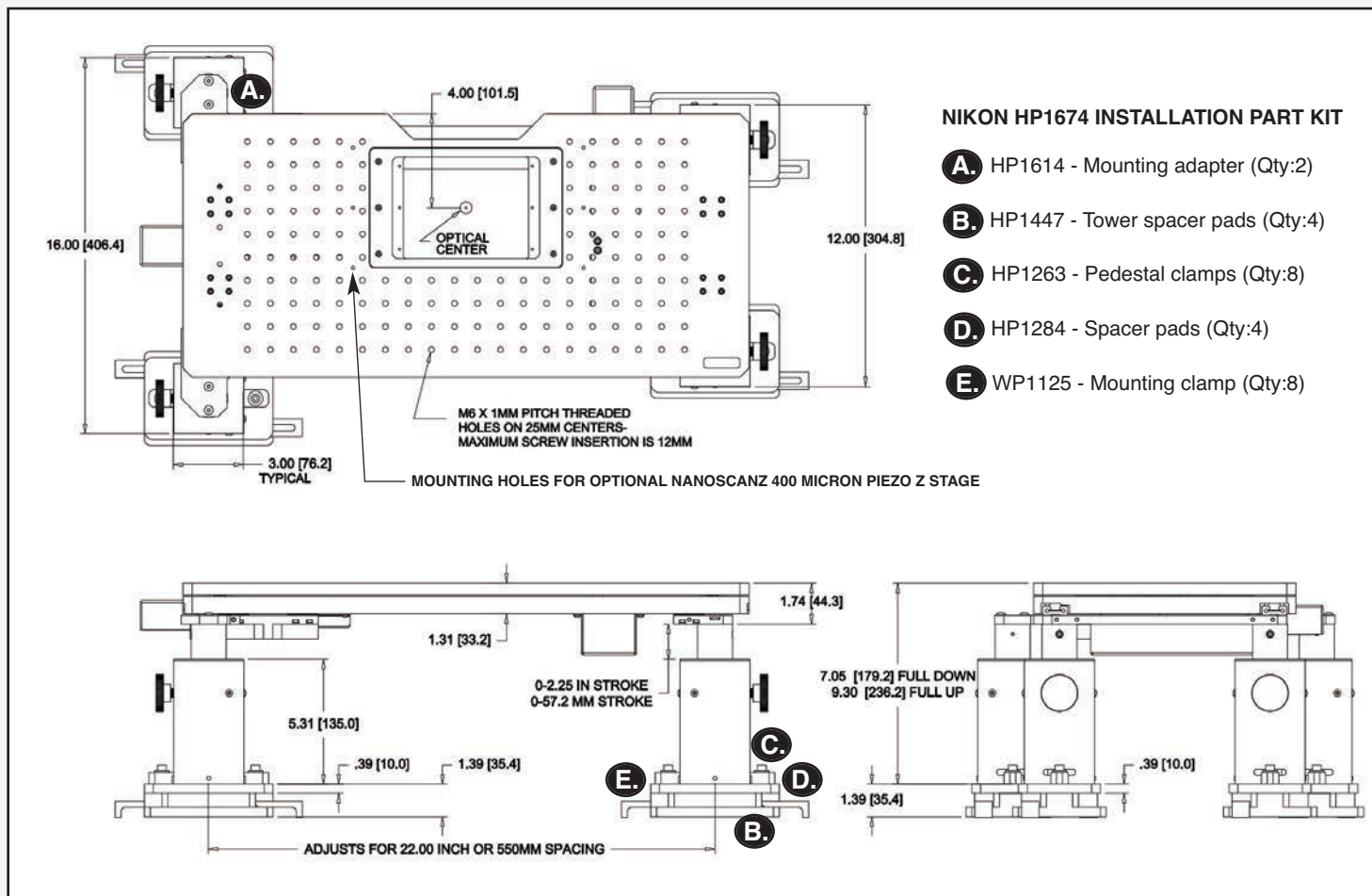
Features:

- Image multiple areas of interest with speed and precision
- Lowers quickly & easily to provide access for loading and unloading samples
- No tools are required to adjust height
- Changing between thin sample and whole animal imaging can be accomplished in seconds
- Pneumatic pistons make raising and lowering the unit effortless
- Provides sub micron repeatability and smooth movement
- Compatible with 6mm or 1/4-20 vibration isolation tables
- Pillar spaces allow for Koehler illumination at a range of focus heights
- Optional encoders for highest precision available
- Compatible with multi-photon setup configurations

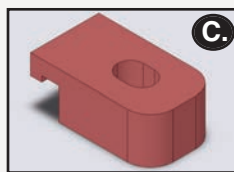
Motorized Z Deck Quick Adjust Platform System

For Nikon FN1/Ni Microscopes

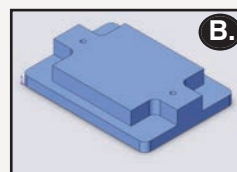
Outline Drawing and Part Number Information



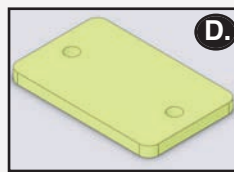
A. Mounting Adapter
 Part Number: HP1614
 Quantity: 2



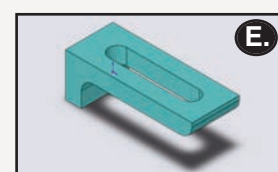
C. Pedestal Clamps
 Part Number: HP1263
 Quantity: 8



B. Tower Spacer Pad
 Part Number: HP1447
 Quantity: 4



D. Spacer Pads
 Part Number: HP1284
 Quantity: 4



E. Mounting Clamps
 Part Number: WP1125
 Quantity: 8

Worldwide distribution

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Motorized Z Deck Quick Adjust Platform System

For Nikon FN1/Ni Microscopes

Specifications

Specification	Description
Z Deck travel	57mm
Vibration table compatibility	1/4-20 or 6mm
XY travel	65mm x 65mm
XY resolution	40 nanometers
XY Speed	15mm/sec
Spacers provided	Four pillar spacers, four one inch spacers
ProScan controller power	Universal external power supply. Input 100-240V, 50/60Hz, Max 1.6A
ProScan computer interface	RS232/USB
ProScan communication protocol	8 bit word, 1 stop bit, no parity, no handshake

Adjustable Rise Platform Hardware Kit

Quantity	Description
8	1/4x20x1.5" screw
10	1/4x20x1.0" screw
1	3/16" allen wrench
8	.75mm thick M5 washer
1	5mm hex wrench
1	3mm allen wrench
10	1/4 standard flat washer
8	M4 x 10 screw
4	M4 x 30 screw
8	M5 x 14 screw
10	M6 x 25 screw
8	M6 x 35 screw

ZDN12MN Complete System Part List

Part Number	Description
ZDM1M2	Motorized Z Deck stage
HP1266	Hardware installation kit
HP1674	Nikon installation parts kit
H31XYZEF	ProScan controller
CS200XY	ProScan joystick
H473UP	Universal specimen holder
H230	Solid aluminum plate

Ordering Information

Part Number	Description
ZDN12MN for Nikon FN1/Ni	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate and pillar spacers.
ZDN12ME for Nikon FN1/Ni	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage with 100 nanometer linear scales, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate and pillar spacers.

Worldwide distribution

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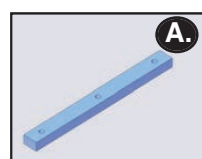
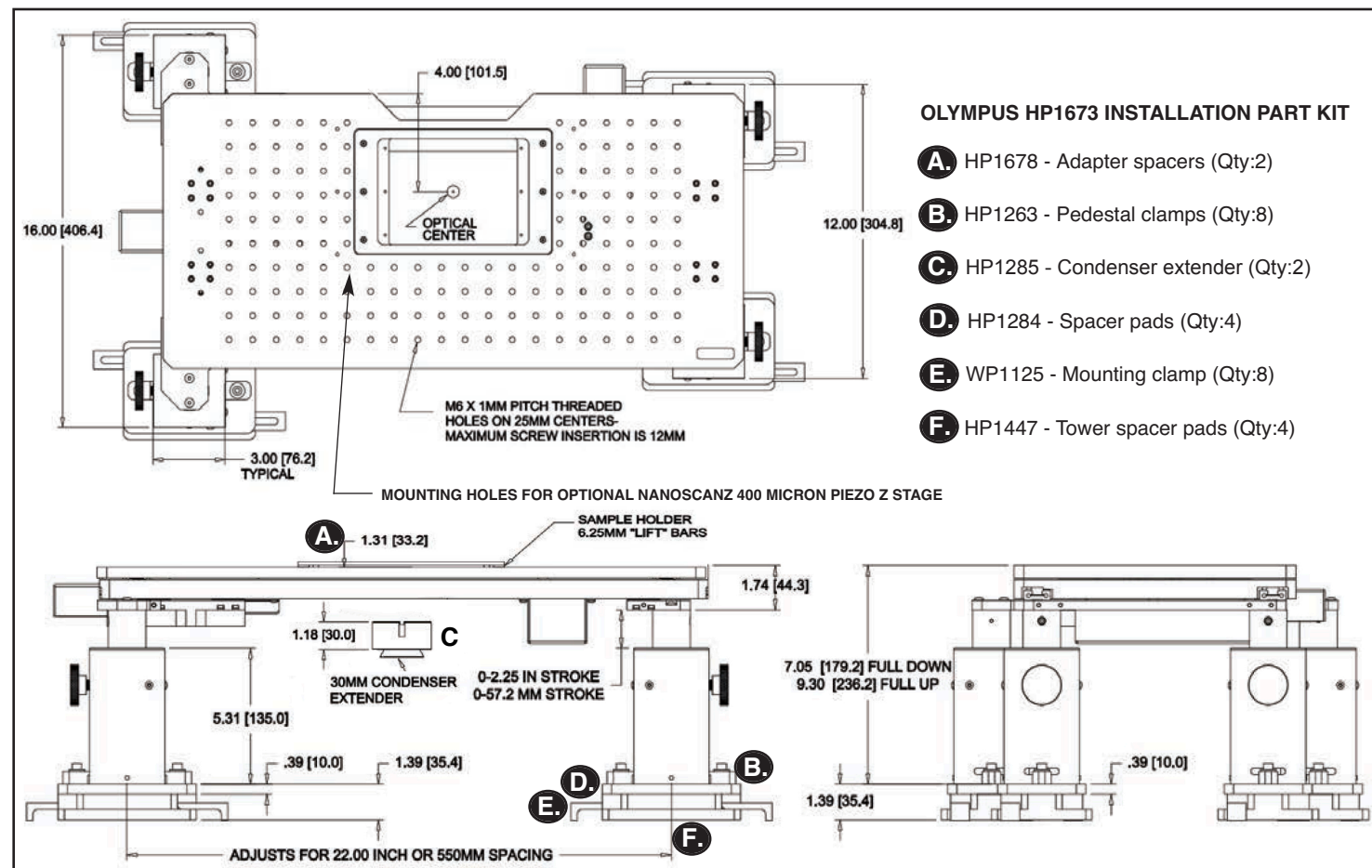
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Motorized Z Deck Quick Adjust Platform System

For Olympus BX51WI/BX61WI Microscopes

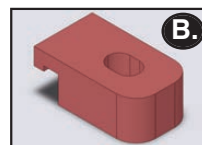
Outline Drawing and Part Number Information



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Adapter Spacers

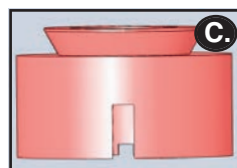
Part Number:
HP1678
Quantity: 2



B.

Pedestal Clamps

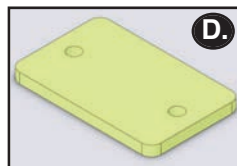
Part Number:
HP1263
Quantity: 8



C.

Condenser Extender

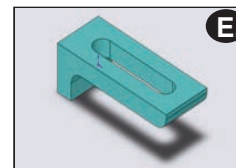
Part Number:
HP1285
Quantity: 2



D.

Spacer Pads

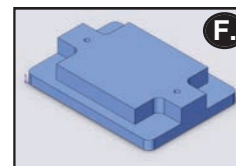
Part Number:
HP1284
Quantity: 4



E.

Mounting Clamps

Part Number:
WP1125
Quantity: 8



F.

Tower Spacer Pads

Part Number:
HP1447
Quantity: 4

Worldwide distribution

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Motorized Z Deck Quick Adjust Platform System

For Olympus BX51WI/BX61WI Microscopes

Specifications

Specification	Description
Z Deck travel	57mm
Vibration table compatibility	1/4-20 or 6mm
XY travel	65mm x 65mm
XY resolution	40 nanometers
XY Speed	15mm/sec
Spacers provided	One condenser, four pillar spacers, two adapter spacers
ProScan controller power	Universal external power supply. Input 100-240V, 50/60Hz, Max 1.6A
ProScan computer interface	RS232/USB
ProScan communication protocol	8 bit word, 1 stop bit, no parity, no handshake

Adjustable Rise Platform Hardware Kit

Quantity	Description
8	1/4x20x1.5" screw
10	1/4x20x1.0" screw
1	3/16" allen wrench
8	.75mm thick M5 washer
1	5mm hex wrench
1	3mm allen wrench
10	1/4 standard flat washer
8	M4 x 10 screw
4	M4 x 30 screw
8	M5 x 14 screw
10	M6 x 25 screw
8	M6 x 35 screw

ZDP12MN Complete System Part List

Part Number	Description
ZDM1M2	Motorized Z Deck stage
HP1266	Hardware installation kit
HP1673	Olympus installation parts kit
H31XYZEF	ProScan controller
CS200XY	ProScan joystick
H473UP	Universal specimen holder
H230	Solid aluminum plate

Ordering Information

Part Number	Description
ZDP12MN for Olympus BX51WI/61WI	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate, condenser spacer and four 10mm pillar spacers.
ZDP12ME for Olympus BX51WI/61WI	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage with 100 nanometer linear scales, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate, condenser spacer and four 10mm pillar spacers.

Worldwide distribution

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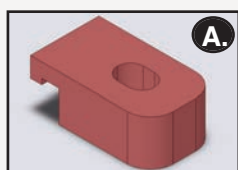
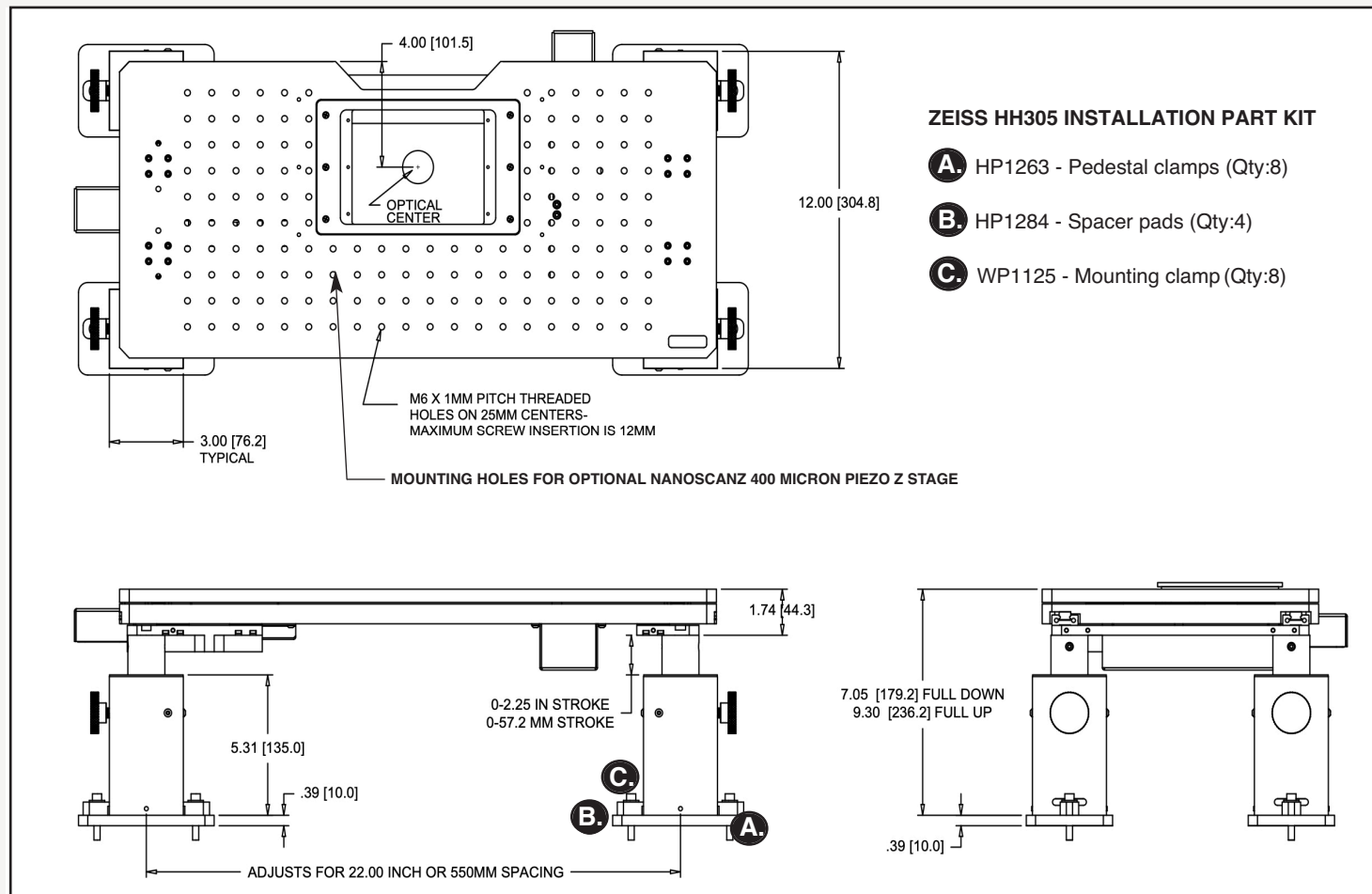
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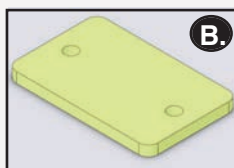
Motorized Z Deck Quick Adjust Platform System

For Zeiss Axio Examiner Microscopes

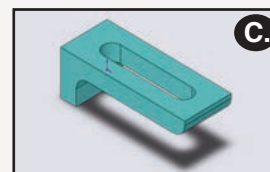
Outline Drawing and Part Number Information



Pedestal Clamps
Part Number: HP1263
Quantity: 8



Spacer Pads
Part Number: HP1284
Quantity: 4



Mounting Clamps
Part Number: WP1125
Quantity: 8

Worldwide distribution

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Motorized Z Deck Quick Adjust Platform System

For Zeiss Axio Examiner Microscopes

Specifications

Specification	Description
Z Deck travel	57mm
Vibration table compatibility	1/4-20 or 6mm
XY travel	65mm x 65mm
XY resolution	40 nanometers
XY Speed	15mm/sec
Spacers provided	Four 10mm pillar spacers, four one inch spacers
ProScan controller power	Universal external power supply. Input 100-240V, 50/60Hz, Max 1.6A
ProScan computer interface	RS232/USB
ProScan communication protocol	8 bit word, 1 stop bit, no parity, no handshake

Adjustable Rise Platform Hardware Kit

Quantity	Description
8	1/4x20x1.5" screw
10	1/4x20x1.0" screw
1	3/16" allen wrench
8	.75mm thick M5 washer
1	5mm hex wrench
1	3mm allen wrench
10	1/4 standard flat washer
8	M4 x 10 screw
4	M4 x 30 screw
8	M5 x 14 screw
10	M6 x 25 screw
8	M6 x 35 screw

ZDZ12MN Complete System Part List

Part Number	Description
ZDM1M2	Motorized Z Deck stage
HP1266	Hardware installation kit
HH305	Zeiss installation parts kit
H31XYZEF	ProScan controller
CS200XY	ProScan joystick
H473UP	Universal specimen holder
H230	Solid aluminum plate

Ordering Information

Part Number	Description
ZDZ12MN for Zeiss Axio Examiner	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate and pillar spacers.
ZDZ12ME for Zeiss Axio Examiner	Prior high precision motorized Z Deck system complete with Prior Z Deck, motorized ProScan XY stage with 100 nanometer linear scales, ProScan III controller, CS200XY joystick, universal holder, solid aluminum plate and pillar spacers.

Worldwide distribution

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