

**Field Generator Stand
with Spring Arm
Instructions for Use**

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WARNING

United States federal law restricts this device to sale by or on the order of a physician.

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Indications for Use

The field generator stand with spring arm is designed for use only with the PercuNav image-guided intervention system. For indications for use of the PercuNav system, see the *PercuNav User Manual*.

The field generator stand is used to position the field generator near the area of interest.

Warnings and Cautions

Failure to heed these warnings might result in improper performance of the PercuNav system and might result in injury to the patient or system operator.

WARNINGS

- The stand is designed for use only with the PercuNav image-guided intervention system.
- The stand is delivered in non-sterile condition. Before the first and each subsequent use, clean the stand and check it for visible irregularities and functional defects.
- Do not immerse the spring arm of the stand in liquids. The liquid could penetrate interiors, damage the spring arm, and drip out of the spring arm.
- Do not remove the field generator from the spring arm. The field generator is not designed to be removed from this model of field generator stand. The spring arm rises rapidly when the weight of the field generator is removed. If the field generator must be removed from the spring arm, contact Philips for service.
- Do not disconnect the field generator from the system during use. Disconnecting the field generator during use may result in electrical sparks, irreparable damage to the field generator, and possible personal injury.
- Never attach, suspend, hang, or support any item other than the Philips-approved field generator or a sterile drape on the field generator stand.
- Ensure the field generator is supported when adjusting the field generator orientation. Releasing the ball joint when the field generator is unsupported causes the field generator to swing rapidly downward.

WARNINGS



- When attempting to overcome an obstacle, do not push the stand from either side with excessive force, which could cause the stand to tip over.
- Never park the field generator stand on an incline.
- The wheel locks are intended as a convenience. To increase stand security, use wheel chocks (not provided) when the stand is parked.

Failure to heed these cautions might result in failure of or damage to the stand or the PercuNav system.

CAUTIONS

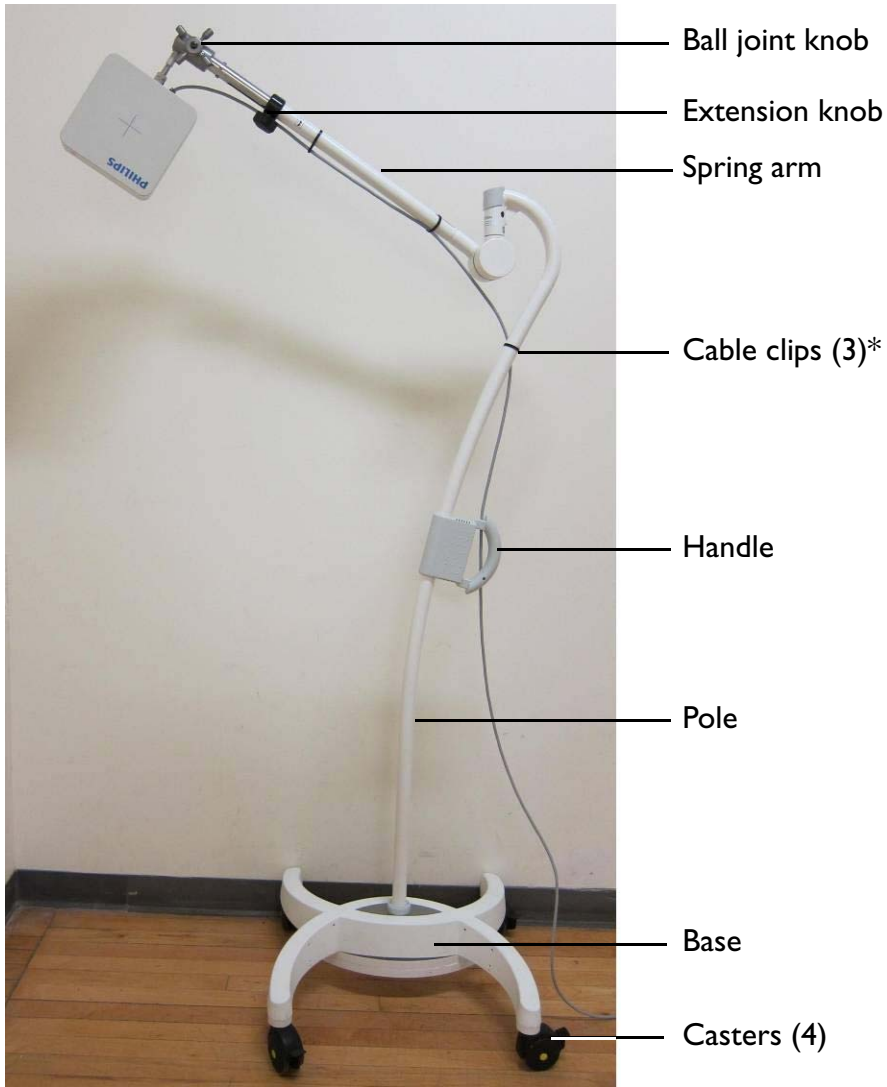
- Do not pull the spring arm above or below the stop limits.
 - Before transporting the field generator stand, disconnect the field generator from the PercuNav system. To disconnect the generator from the system, grasp the sides of the plug, slide the plug shield back to release the lock, and then pull back on the entire plug.
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Symbol Definitions

	Caution, consult accompanying documents.
	Pushing prohibited. Informs the user of a potential for tipping due to excessive force.

Components

Figure I Field Generator Stand Components

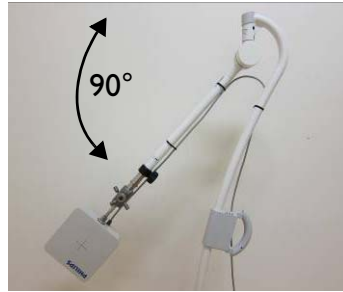
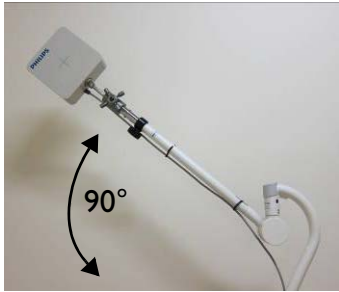


*Cable clips are shown black for illustration purposes; clips may be gray or white.

Range of Motion

Figure 2 Spring Arm Range of Motion

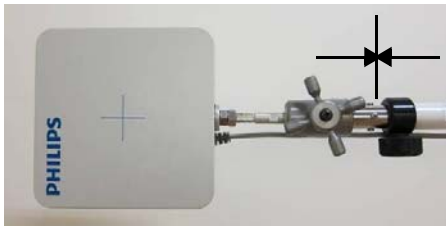
Pitch



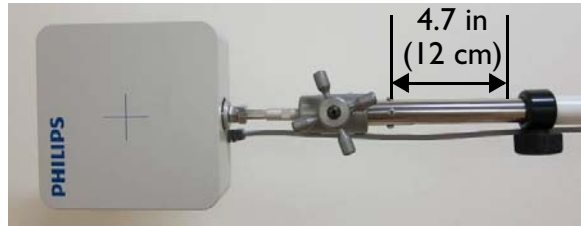
Yaw



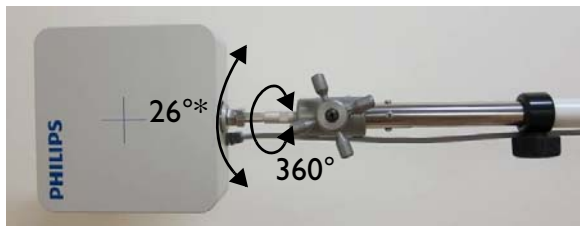
Minimum Extension



Maximum Extension



Orientation



*180° at 12 o'clock and 6 o'clock positions

Instructions for Use

Read these instructions and the *PercuNav User Manual*.

Adjusting the Spring Arm Length

1. Loosen the extension knob until the spring arm extension slides freely.
2. Adjust the spring arm extension to reach the position that you want.
3. Tighten the extension knob until the spring arm extension is secure.

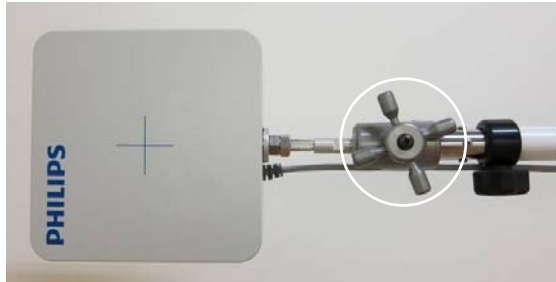
Figure 3 Extension Knob



Adjusting the Field Generator Orientation

1. Firmly hold the field generator with one hand, and loosen the ball joint knob with your free hand.
2. When the knob is fully loosened, if the ball joint sticks due to friction, free it with a deliberate tap directly on the knob. If the issue persists, contact Philips for service.
3. Adjust the field generator to the orientation that you want.
4. While firmly holding the field generator in position, tighten the ball joint knob.

Figure 4 Ball Joint Knob



Cleaning the Stand




Wipe the affected area with a soft cloth dampened with one of the following approved disinfectant solutions. Allow the area to air dry.

- 70% v/v isopropyl alcohol solution
- 3% v/v household chlorine bleach solution (bleach containing 5.25% sodium hypochlorite)
- 3% v/v hydrogen peroxide solution

Maintaining the Stand

- Annually check that the fastening wing bolt on the bottom side of the base is secure: Keeping the stand upright, reach under the weights and hand-tighten the wing bolt as necessary. Do not tilt the stand or lay it down when accessing the wing bolt.
- Annually perform a full functional check of the range of motion and the locking mechanisms.
- The spring arm tension may relax over time during normal use, preventing the arm from remaining in a stable rest position. If that occurs, contact Philips for service.

Operating Environment Specifications

	Temperature range	+10°C to +40°C
	Humidity range	30% to 75%
	Air pressure	700 to 1060 hPa

