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Barkan BM466XP

Barkan BM466XP 41-inch Full Motion TV Wall Mount

Instruction Manual

1. Product Overview

The Barkan BM466XP is a full-motion articulating TV wall mount designed for optimal viewing flexibility. This mount is suitable for 13-90 inch flat or curved screens and can support televisions weighing up to 132 lbs (60 kg). It features a dual-arm design for enhanced stability and a long extension from the wall, allowing for a wide range of motion.

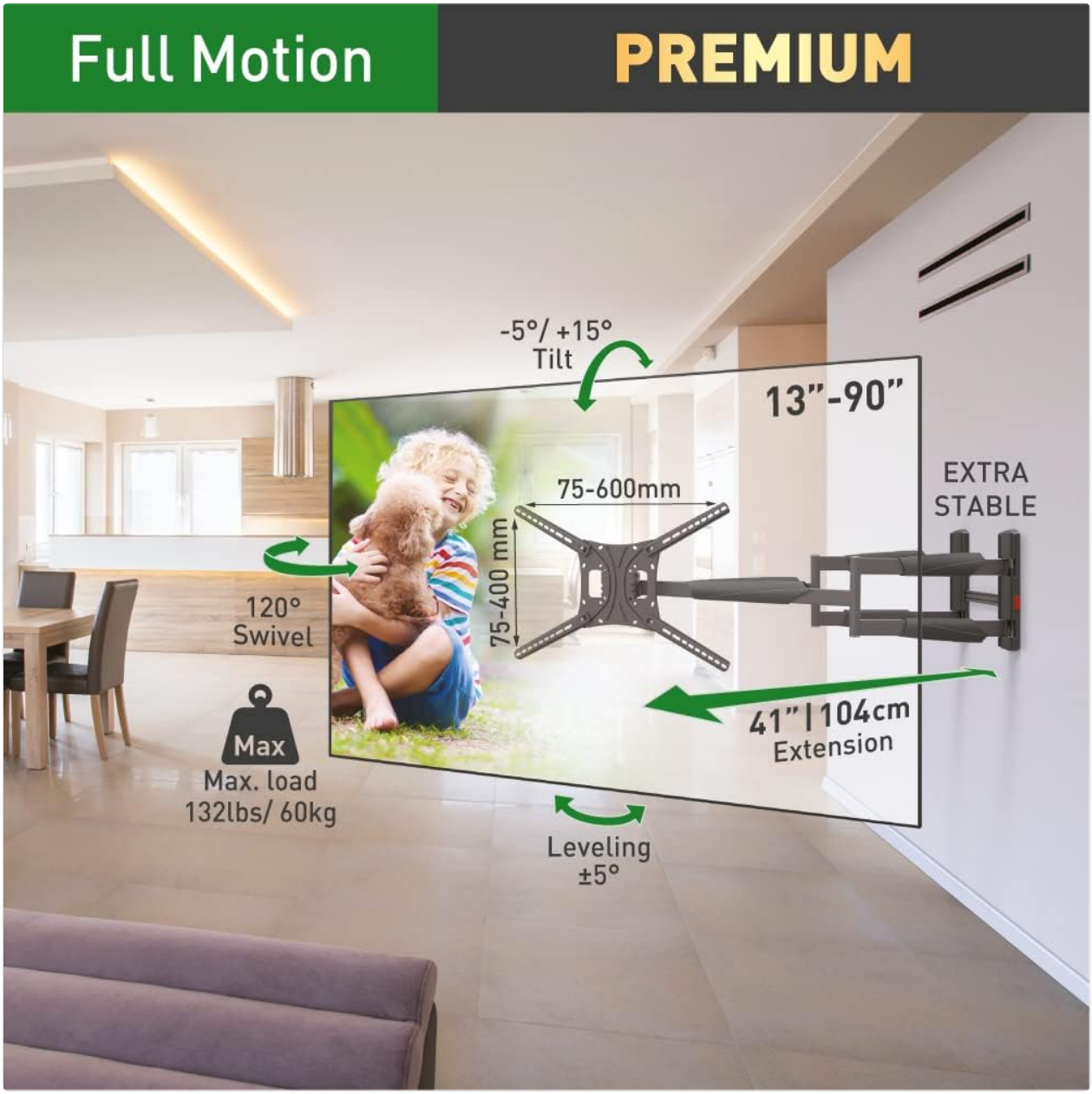

Image 1.1: The Barkan BM466XP mount showing its full motion capabilities including tilt, swivel, and extension, along with maximum load capacity and compatible screen sizes.

Key Features:

- **Screen Compatibility:** Fits most 13-90 inch TVs up to 132 lbs (60 kg).
- **VESA Standards:** Supports VESA patterns 75x75, 100x100, 100x200, 200x100, 200x200, 300x300, 300x400, 400x200, 400x300, 400x400, 600x400 mm, and non-VESA up to 600x400 mm.
- **Full Motion:** Offers 180° rotation near the wall, 360° fold, 120° swivel near the screen connection plate, and a tool-free tilt from -5° to 15°.
- **Extended Reach:** Extends up to 41 inches (104 cm) from the wall.
- **Versatile Screen Fit:** Patented mechanism accommodates flat, curved, and TVs with special back structures without requiring spacers.
- **Enhanced Stability:** Features an extra-wide and high wall plate with two strong arms for secure mounting, even when fully extended.
- **Safety:** Includes a Fall Proof system to prevent accidental disengagement of the screen.
- **Cable Management:** Integrated cable management for a tidy installation.

Image 1.2: Key features of the Barkan BM466XP mount, including its robust construction and safety mechanisms.

2. Setup and Installation

Proper installation is crucial for the safety and functionality of your TV wall mount. Please read all instructions carefully before beginning. It is recommended to have two people for installation.

Required Tools:

- Drill (with 1/4"-6mm and 3/8"-10mm bits for wall, 5/32"-4mm for wood studs)
- Level
- Safety Glasses
- Stud Finder (if mounting to wood studs)

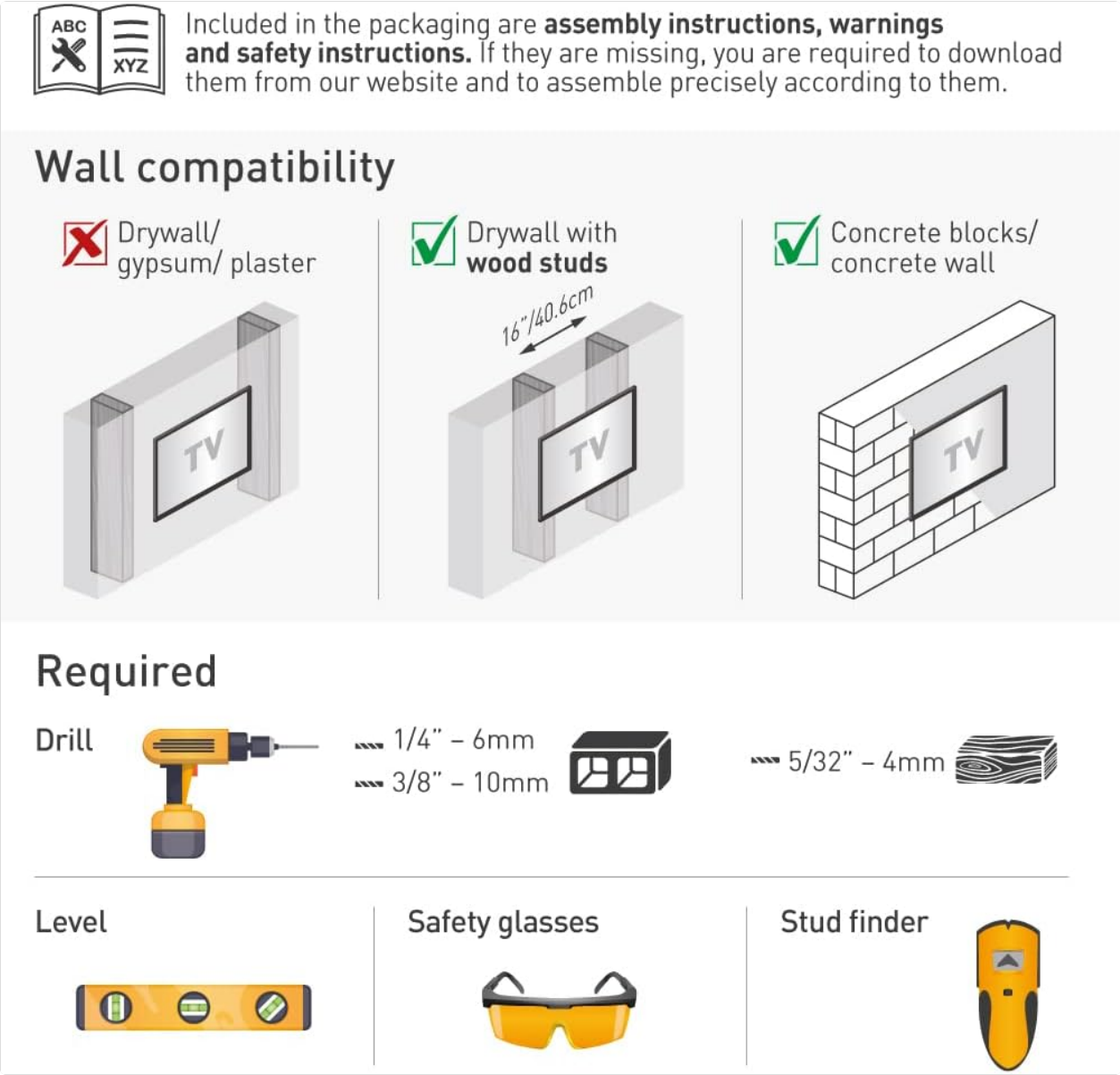

Image 2.1: Wall compatibility and necessary tools for installation.

Wall Compatibility:

- **Compatible:** Drywall with wood studs (16"/40.6cm spacing), Concrete blocks, Concrete wall.
- **Not Compatible:** Drywall/gypsum/plaster without wood studs.

Installation Steps:

1. **Attach the Adapters to the TV:** Secure the TV connection plate and adapters to the rear side of your television using the appropriate screws from the hardware kit. Ensure the VESA pattern matches your TV's mounting holes. Refer to Image 2.2 for visual guidance on VESA connection options.
2. **Install the Bracket on the Wall:** Locate suitable mounting points (wood studs or solid concrete). Use the drilling template provided for accurate hole placement. Secure the wall bracket firmly to the wall using Barkan's wall screws and anchors.
3. **Snap the TV onto the Bracket:** Carefully lift the TV (with adapters attached) and hook it onto the wall bracket. Ensure it is securely seated and engage the Fall Proof system.

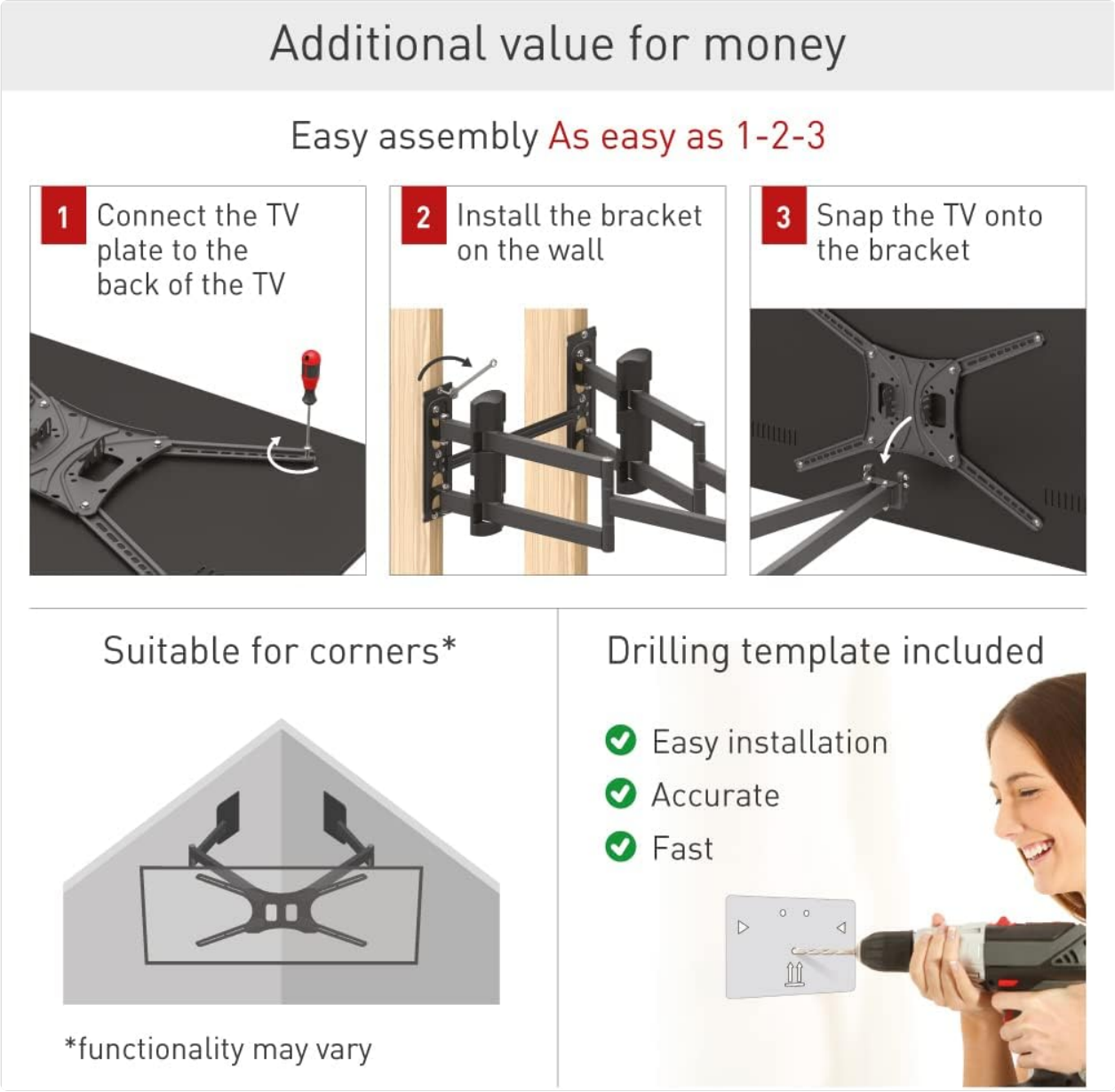

Image 2.2: Simplified 3-step assembly process.

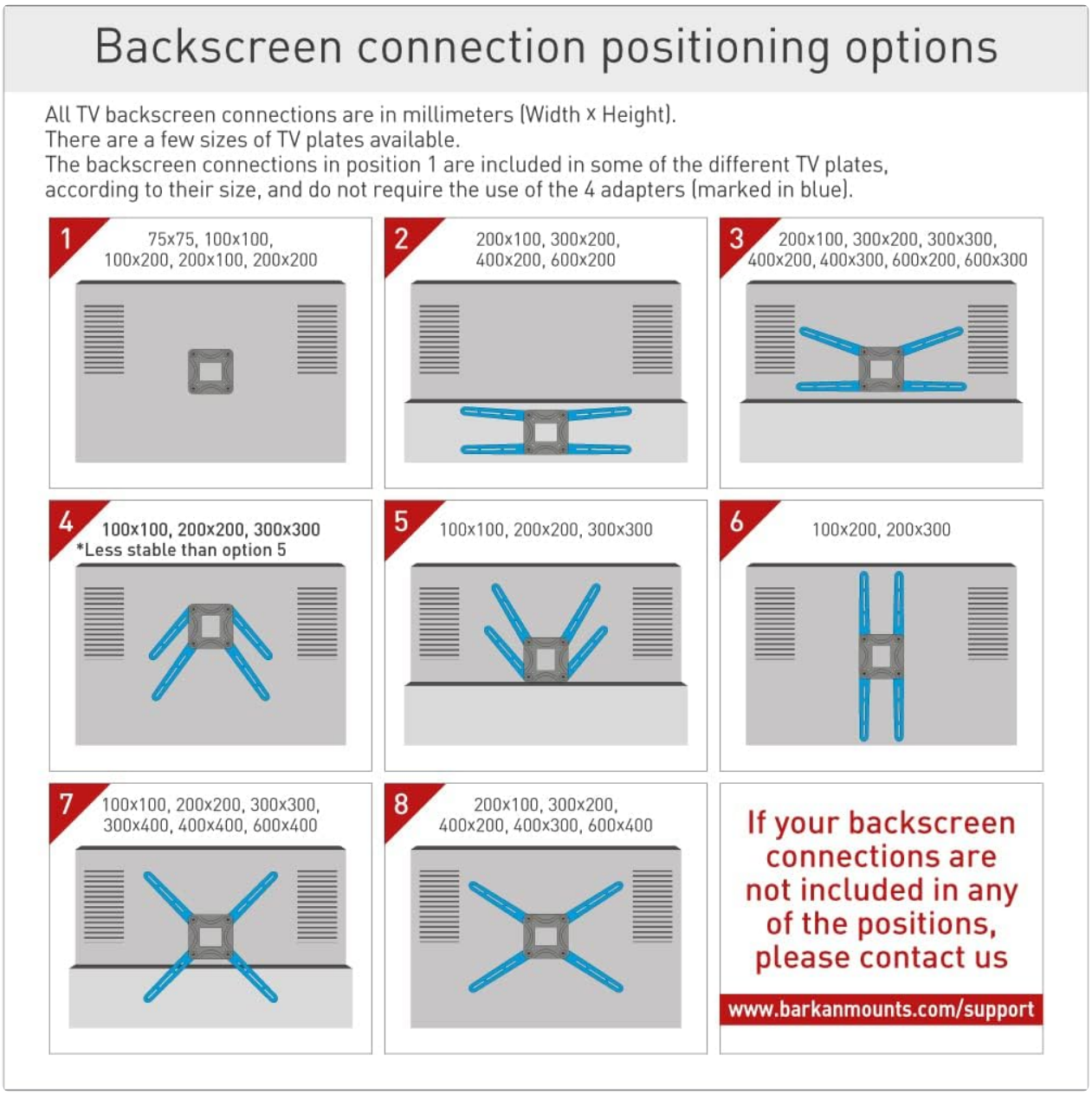

Image 2.3: Backscreen connection positioning options for different VESA patterns.

Hardware Kit:

The Barkan BM466XP includes a comprehensive hardware kit for various installation scenarios. This kit typically contains:

- Wall Mounting Screws (Barkan's wall screws)
- Wall Anchors (Barkan's wall anchors)
- TV Mounting Screws (M8, M6, M4 sizes)
- Metal Washers
- Plastic Spacers

These TV screws are compatible with approximately 90% of popular TVs. If your screen requires different connection screws, please obtain them from a local hardware store or contact Barkan support.

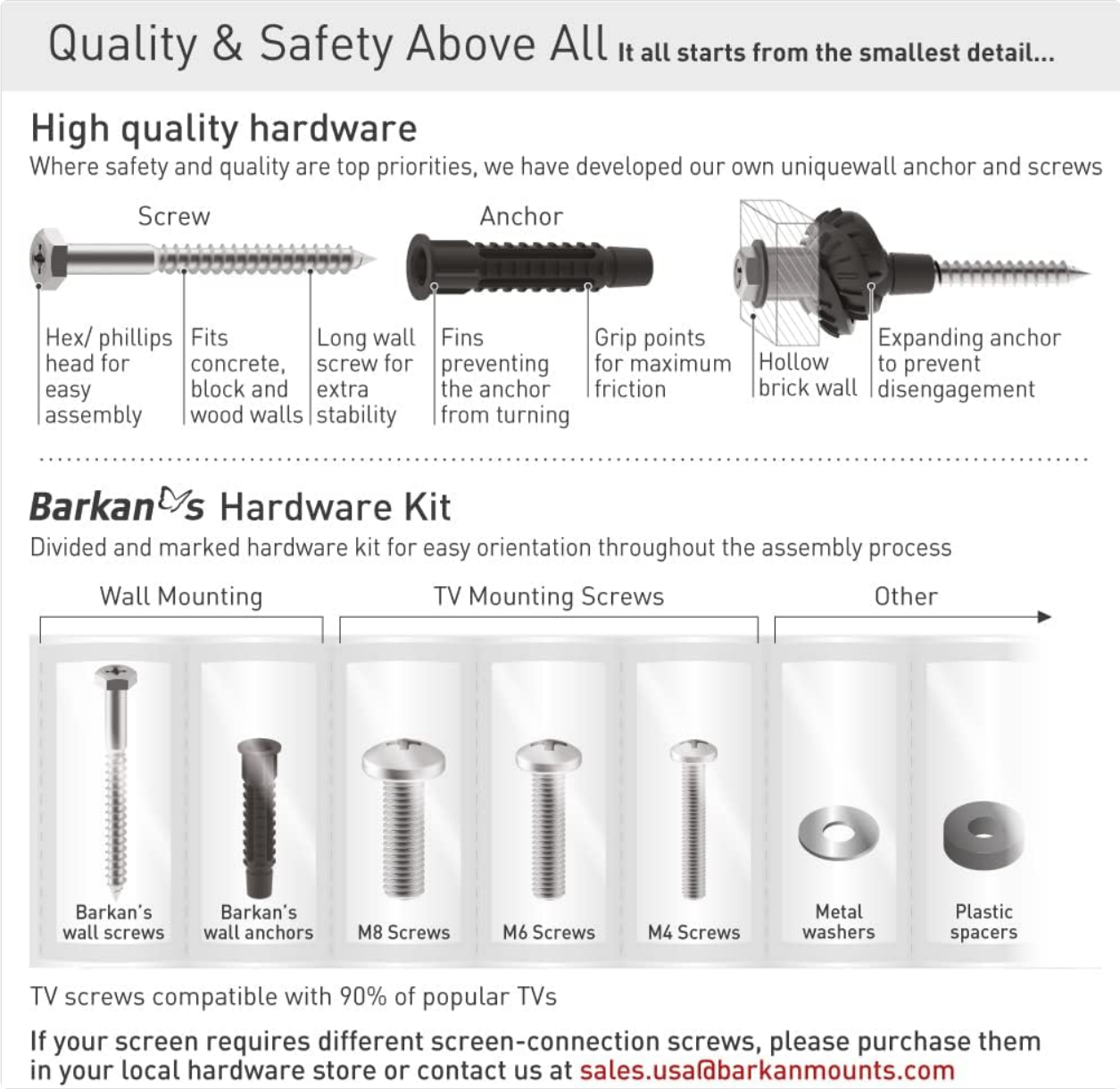

Image 2.4: Components of the Barkan hardware kit.

3. Operation

The Barkan BM466XP mount allows for easy adjustment of your TV's position to achieve the optimal viewing angle.

Adjusting the TV Position:

- **Extension:** Gently pull or push the TV to extend it up to 41 inches (104 cm) from the wall or retract it to a minimum of 3.8 inches (9.6 cm).
- **Swivel:** Rotate the TV horizontally up to 120° at the screen connection plate. For TVs up to 75 inches, a 90° swivel is possible.
- **Tilt:** Adjust the vertical angle of the screen from -5° (downward) to 15° (upward) without tools.
- **Leveling:** The mount allows for ±5° leveling adjustment to ensure the screen is perfectly horizontal after installation.
- **Folding:** The arms can fold 360° for compact positioning.
- **Rotation:** The mount can rotate 180° near the wall for maximum flexibility.

To achieve the best viewing experience, position the TV so that your line of sight is perpendicular (90°) to the screen.

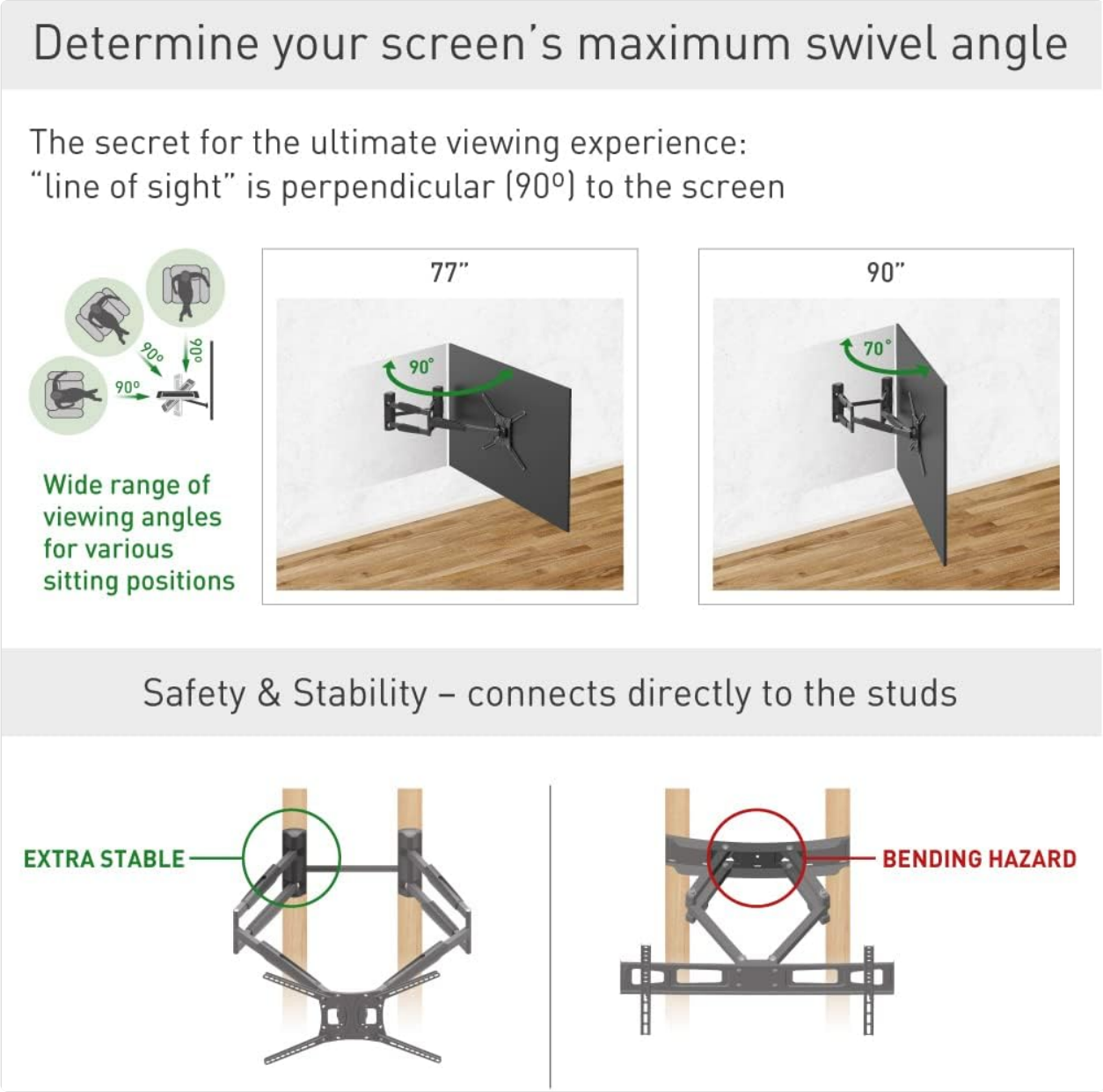

Image 3.1: Understanding optimal viewing angles and swivel capabilities.

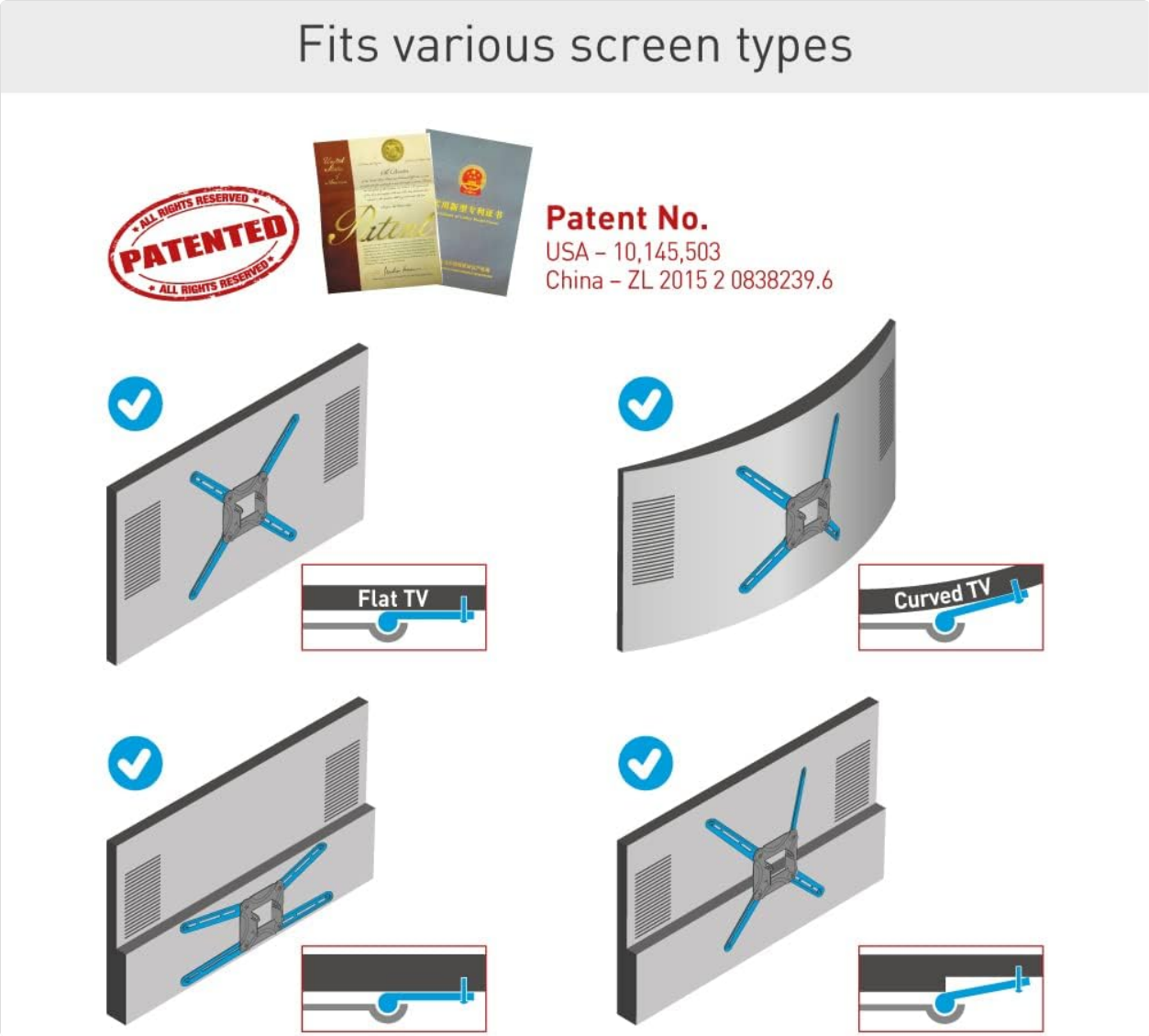

Image 3.2: Compatibility with different TV screen types.

4. Maintenance

The Barkan BM466XP TV wall mount is designed for durability and requires minimal maintenance. Regular checks can help ensure its continued safe operation.

Routine Maintenance:

- **Periodic Inspection:** Annually, inspect all mounting screws and connections to ensure they remain tight and secure.
- **Cleaning:** Wipe the mount with a soft, dry cloth to remove dust. Avoid using abrasive cleaners or solvents, as these may damage the finish.
- **Movement Check:** Periodically move the TV through its full range of motion (extension, swivel, tilt) to ensure all joints operate smoothly.

Do not attempt to lubricate any parts of the mount unless specifically instructed by Barkan support. Unauthorized modifications or repairs will void the warranty.

5. Troubleshooting

If you encounter any issues with your Barkan BM466XP TV wall mount, refer to the following common

troubleshooting tips:

Common Issues and Solutions:

- **TV is not level:** Use the built-in leveling adjustment feature (±5°) to correct the horizontal alignment. Ensure the wall bracket itself is level during installation.
- **Mount feels loose or unstable:** Immediately remove the TV from the mount. Re-check all wall mounting screws and TV attachment screws to ensure they are tightened according to the instructions. Verify that the wall structure is appropriate for the mount's weight capacity and that the mount is secured to studs or concrete.
- **Difficulty moving the TV:** Check for any obstructions. Ensure no cables are snagged. If the movement feels stiff, it may be due to the weight of the TV. The mount is designed for smooth operation; excessive force should not be required.
- **TV does not fit the VESA pattern:** Double-check your TV's VESA dimensions against the mount's compatibility (75x75 to 600x400 mm). If your TV has a non-standard pattern or special back structure, the patented adapters should accommodate it. If not, contact Barkan support.

For further assistance, please visit the Barkan website or contact customer support.

6. Specifications

Detailed technical specifications for the Barkan BM466XP Full Motion TV Wall Mount.

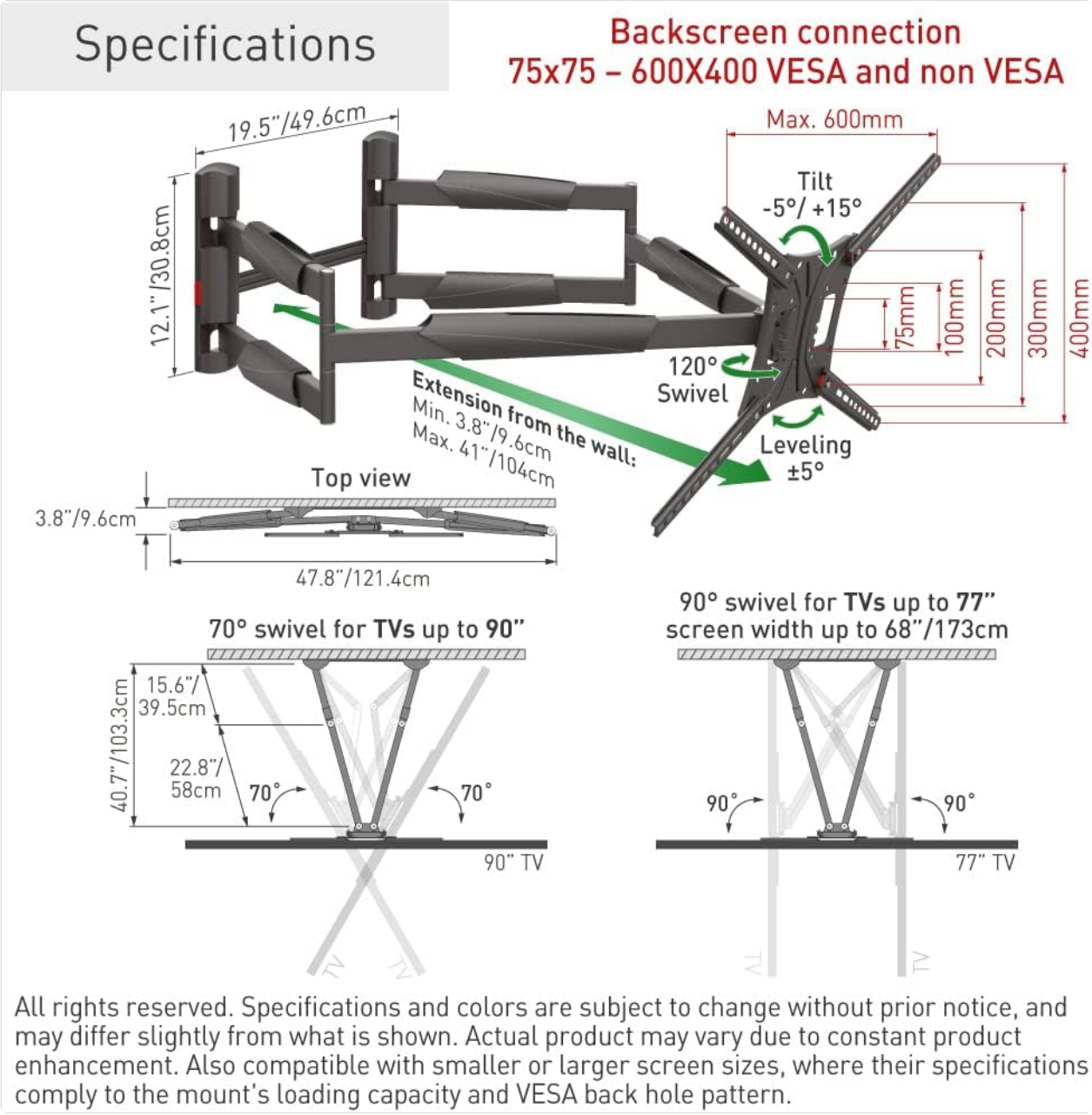

Image 6.1: Dimensional and movement specifications of the mount.

Feature	Specification
Model Number	BM466XP
Screen Size Compatibility	13 - 90 inches
Maximum Load Capacity	132 lbs (60 kg)
VESA Compatibility	75x75, 100x100, 100x200, 200x100, 200x200, 300x300, 300x400, 400x200, 400x300, 400x400, 600x400 mm (and non-VESA up to 600x400 mm)
Extension from Wall	Min: 3.8 inches (9.6 cm), Max: 41 inches (104 cm)
Tilt Angle	-5° to +15°

Feature	Specification
Swivel Angle	120° (at screen connection plate)
Rotation Angle (near wall)	180°
Leveling Adjustment	±5°
Material	Metal
Color	Black
Item Weight	26.9 lbs
Package Dimensions	37 x 15 x 5 inches
UPC	818212002152

7. Warranty and Support

Lifetime Limited Warranty:

Barkan Mounts provides a Lifetime Limited Warranty for this product. All Barkan products undergo strict quality tests to ensure reliability and durability. This warranty covers manufacturing defects and ensures the product performs as intended under normal use.

Customer Support:

For any questions, assistance with installation, troubleshooting, or warranty claims, Barkan's customer service experts are available every day of the week. You can find more information, FAQs, and video demonstrations on the official Barkan website:

www.barkanmounts.com/support

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Specifications and colors are subject to change without prior notice. Actual product may vary slightly from what is shown.