

AMERICAN HOLTZKRAFT'S MARKET UMBRELLA ANATOMY



1 DECORATIVE FINIAL

Multi-laminated hardwood, carved, and hand tooled to a simple, elegant accenting finial. Other non-standard finial styles are available.

2 REINFORCED LEADING EDGE HEM

Fabric is double folded and triple stitched with ultraviolet (UV) protected thread for matching longevity of fabric and thread.

3 AIR VENTS

Single and double vent options allow strong wind to escape from canopy; providing a safe and efficient means of dissipating air from the umbrella.

4 REINFORCED STRESS POINTS

A double layer of fabric is sewn in and double stitched to provide added strength against the stresses of wind and weather.

5 REINFORCED HUBS

All hubs are multi-laminated and stainless steel reinforced for optimal strength. Tested stainless steel fasteners are used for operating strength against harsh environments.

6 NON-EXPANSION SLEEVE

A seamless aluminum marine grade sleeve around the bottom of the pole. Prevents the pole from expanding due to moisture.

CONNECTING HARDWARE

7 Solid brass or stainless steel bolts and nuts connect the arms and ribs, protected by neoprene washers.

PIN AND CHAIN

8 Solid brass or stainless steel pin and chain are used to adjust the height and tautness of canopy fabric. Heavy chain keeps pin intact with umbrella.

FIVE LIFT MECHANISMS:

- Traditional manual lift
- Single pulley
- Double pulley
- Three to one ratio marine lifting system
- Automatic opening device

9 POLE

American Holtzkraft, Inc. boasts "the original steel pipe reinforced laminated pole", which provides tested strength over the thin steel rods used by some manufacturers. North American Hardwood Ash (used for baseball bats) is dried and cut lengthwise and horizontally laminated with marine grade glue tested for outdoor use.



Wood standard pole sizes 1-1/2", 2" and 2-3/8". Aluminum poles are made of heavy marine grade 6061-T6 seamless aluminum 1/8" wall thickness. Optional finishes include wood powder coated finish.

AMERICAN HOLTZKRAFT'S HARDWOOD FINISHES

Distinctive hardwood grains are preserved by slow kiln-drying, sealing, and a slow drying of multiple natural or wood toning finishes, in the colored finishes below:

- A** Teak
- B** Natural
- C** Mahogany
- D** Stonehenge Gray
- E** White Wash
- F** Black Enamel
- G** White Enamel



Color reproduction of the above finish colors, is as close as possible using commercial printing methods.

STANDARD FEATURES

Durable Varnish

- Multiple coats of marine varnish increase weather and water resistance.
- Varnish is specially formulated with ingredients that screen out the destructive ultraviolet rays of the sun, which is one of the principle causes of deterioration and loss of gloss on any varnish film, and helps prevent the wood from aging dark.
- VOC compliance meets clean air standards.
- Clear air formula.

Wood Stains

- Penetrates and seals the wood from moisture while adding rich color.
- Semitransparent feature shows wood grain and adds long-lasting protection.

All umbrellas and furniture products are available in a variety of wood species including: Plantation-Grown Teak and Western Cedar.

American Holtzkraft, Inc. reserves the right to change product specifications without notice.

Note

ABOUT OUR UMBRELLAS & WIND TUNNEL TESTING

American Holtzkraft, Inc. takes this opportunity to boast the results of its official wind tunnel test performed by a respected university, achieving an impressive 74.5mph before any failure. Complete test results for most models are available upon request, with a video of various tests for your viewing pleasure.