



 **100% AMERICAN MADE QUALITY**  
SATISFACTION ALWAYS GUARANTEED

## COMPOSITE ADJUSTABLE PROPELLERS

### MIL-SPEC NICKEL LEADING EDGE SHIELDS

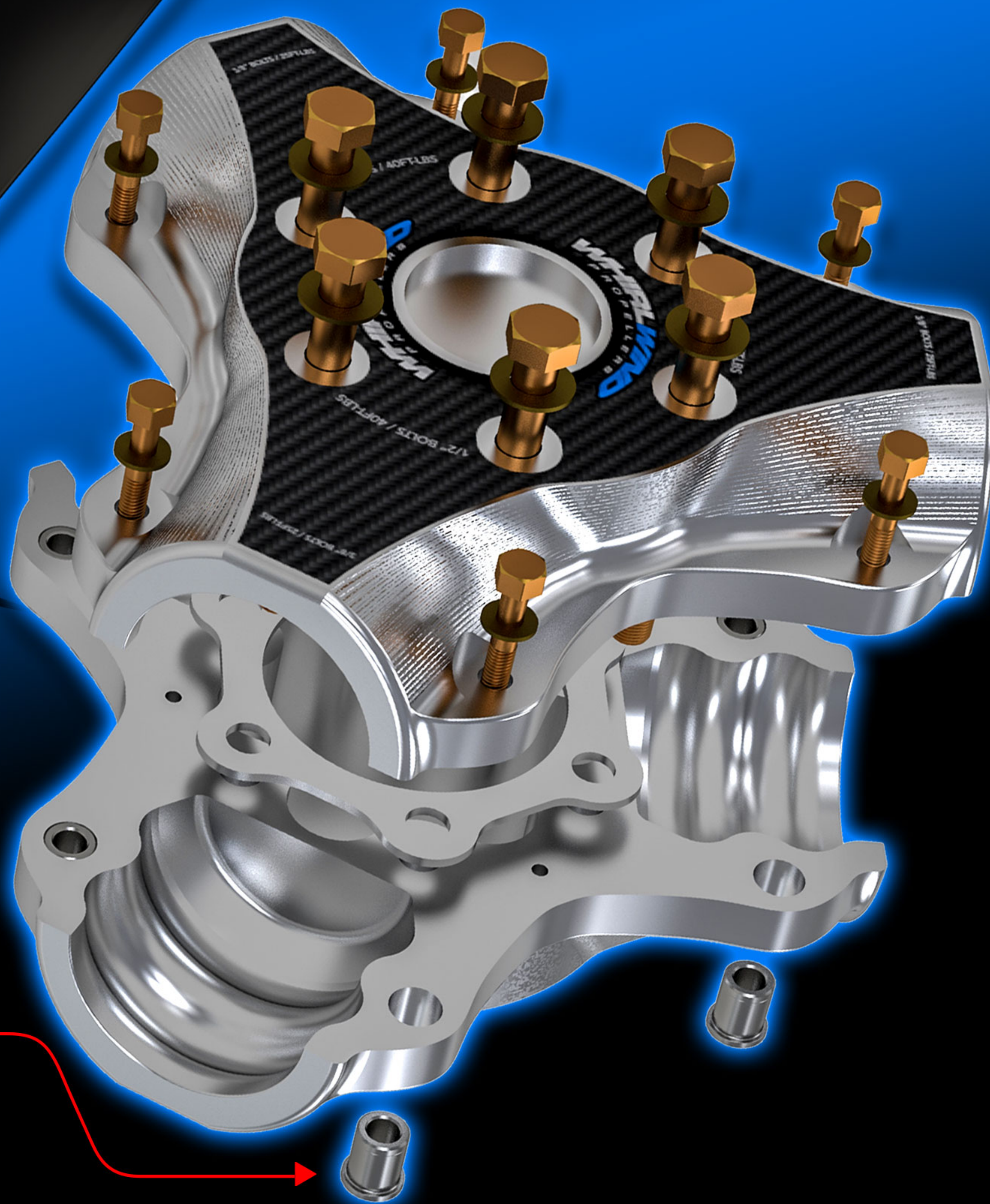
- TOUGHEST MOST DURABLE MATERIAL AVAILABLE
- SHARPEST EDGE FOR PERFORMANCE BOOST

## SETTING THE STANDARD

## ORIGINAL QUICK CHANGE™ HUBS

### STAINLESS THREADED INSERTS

- ORIGINAL THROUGH BOLT DESIGN FOR MAXIMUM SAFETY AND EASE OF INSTALLATION
- BLADE PITCH GUIDES ENGRAVED DIRECTLY ON HUB



## X-CORE™ SERIES BLADES

POWER FROM WITHIN - X-CORE™ TECHNOLOGY USES A HIGH-STRENGTH AEROSPACE-GRADE STRUCTURAL FOAM CORE WHICH ALLOWS THINNER AND LIGHTER CARBON FIBER OUTER SKINS, WITHOUT ANY COMPROMISE IN STRENGTH.

BECAUSE X-CORE™ BLADES ARE LIGHTER, THEY RESPOND FASTER. YOU'LL ENJOY QUICKER SNAP AND FASTER THROTTLE RESPONSE.

MINI-PROPELLER DIAMETERS: 63" TO 69"

DIRECT-DRIVE DIAMETERS: 66" TO 74"

REDUCTION-DRIVE DIAMETERS: 76" TO 84"

ROTATIONS: LEFT OR RIGHT HAND



## RAZORX

**WIDTH: 4.75"**

DESIGNED WITH X-CORE™ TECHNOLOGY TO BE REPLACEMENT BLADE FOR WARP DRIVE STYLE HUBS.



## EXCALIBUR

**WIDTH: 5.5"**

DESIGNED WITH X-CORE™ TECHNOLOGY FOR NO-COMPROMISE PERFORMANCE. THE EXCALIBUR BLADE OFFERS THE BEST OF ALL BLADES, OFFERING THE LIGHT WEIGHT SNAP OF THE RAZORX AND LOW END THRUST OF THE WIDE WHISPER TIPS.

## WHISPER TIP™ SERIES BLADES

THE WHISPER TIP FAMILY OF BLADES FEATURE A HIGHLY TAPERED PROFILE SPECIALLY SELECTED AIRFOILS AND AN AGGRESSIVE SWEEP-TIP THAT LOWERS TIP DRAG FORCES. THIS RESULTS IN MORE EFFECTIVE USE OF TORQUE TO PRODUCE THRUST WITH A LOWER NOISE SIGNATURE.

## WHISPER TIP TECHNOLOGY

WHISPER TIP TECHNOLOGY DATES BACK TO 1992 WHEN WHIRLWIND'S FOUNDERS TESTED A DESIGN PROTOTYPE OF THE WHISPER TIP IN THE CLOSED CIRCUIT LOW SPEED WIND TUNNEL LOCATED AT CAL STATE UNIVERSITY IN SAN DIEGO, CA. THAT PROTOTYPE HAS NOW EVOLVED INTO THE CURRENT WHISPER TIP FAMILY OF BLADES.

## EXCLUSIVE WHIRLWIND PROPELLER DESIGN FEATURES

- MIL-SPEC NICKEL LEADING EDGE
- QUICK CHANGE™ HUB WITH STAINLESS STEEL INSERTS
- CARBON FIBER SPAR, NO BLADE FLEX
- OPTIMIZED COMPOSITE FIBER PLACEMENT
- X-CORE™ TECHNOLOGY FOR SELECT-BLADE STYLES

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WHIRLWINDPROPELLERS.COM  
619.562.3725

## DIRECT DRIVE BLADE STYLES

TYPICAL APPLICATIONS: AIRCRAFT AND AUTOMOTIVE DIRECT- DRIVE ENGINES

### WHISPER TIP NARROW 72



**WIDTH: 9.75"**

**DIAMETER: 72" (70" TO 74")**

**ROTATION: LEFT HAND ONLY**

### WHISPER TIP 72



**WIDTH: 10.75"**

**DIAMETER: 72" (70" TO 74")**

**ROTATION: LEFT OR RIGHT HAND**

## REDUCTION DRIVE BLADE STYLES

TYPICAL APPLICATIONS: AUTOMOTIVE OR AIRCRAFT ENGINES WITH WITH REDUCTION DRIVE UNITS

### WHISPER TIP 2.0



**WIDTH: 12" STANDARD WIDE**

**DIAMETER: 78" (76" TO 82")**

**ROTATION: LEFT OR RIGHT HAND**

### WHISPER TIP EX



**WIDTH: 13" EXTRA WIDE**

**DIAMETER: 79" (77" TO 83")**

**ROTATION: LEFT OR RIGHT HAND**

### WHISPER TIP SW



**WIDTH: 14.75" SUPER WIDE**

**DIAMETER: 80" (78" TO 84")**

**ROTATION: LEFT OR RIGHT HAND**