

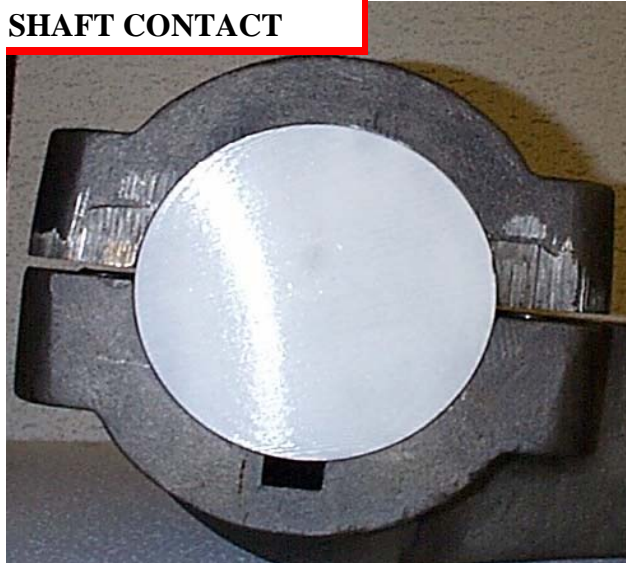


COOKER PADDLES

The Best Value In the Industry...Here's Why

WARRANTY - Every New Alloy Paddle is warranted against premature wear or failure. Alloy Paddles are offered with or without hardfaced sweep ends. The Alloy Hardfaced Paddle is warranted against premature wear or failure for FIVE years (60 months). Even our non-hardfaced paddles carry a THIRTY month warranty. **SELECTION** - Round or Square, ANCO, BOSS, DUPPS, FRENCH, and HAMLER styles. Alloy stocks Paddles, Caps, Nuts, Bolts and Keys for ALL major brands of batch cookers and hydrolyzers.

SHAFT CONTACT



Alloy Paddles and Caps are precision bored to provide 100% contact with the shaft, eliminating "rocking" and corrosion attack, the leading causes of premature wear.

MACHINED SURFACES



All contact surfaces of the Alloy Paddle are machined, including the bore, keyway and bolt holes, enabling a proper fit, that reduces both wear and maintenance.

SWEEP CONSTRUCTION



Alloy paddle sweeps are .625" thick, including the unloading "kicker" providing extra material and strength where its needed to maintain proper fit to the shell.

ARM STRENGTH



Alloy Paddle arms have the largest cross sectional area of any paddle available. Providing increased strength and resistance to bending both front to back and side to side.

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MACHINED SURFACES



Alloy paddles are machined in *all critical areas* bore, keyway and bolt holes. These precision tolerances provide a proper fit. Proper fit extends shaft life, especially in the keyways, as well as paddle life.



In contrast to Alloy paddles, the paddle above has only the keyway machined, reducing contact area in the bore and leaving bolts "loose" in their holes. Corrosion and rocking will begin almost immediately.

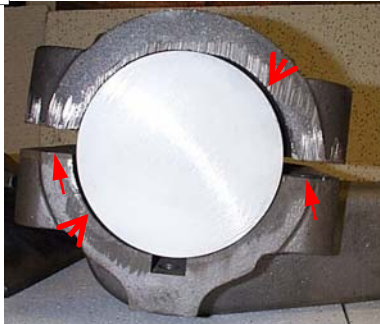


This manufacturer of paddles machines nothing leaving every facet of contact to loose tolerances. In addition they use a 1-1/2" land on each side of the paddle for bore tolerancing, reducing shaft contact 60%.

SHAFT CONTACT



Close examination of this Alloy cooker paddle shows the result of the machined bore with 100% surface contact between shaft and bore.



The lack of a machined bore is immediately evident when examining this photo. This Paddle and cap combination is "egg shaped" leaving large gaps as seen lower left and upper right.



While less evident, this paddles non-machined bore also results in a poor fit. Close examination shows a gap at the cap, a full 120 degrees. The paddle also has a void at the upper left.

ARM STRENGTH



Measuring 1-3/4" x 5" at the cap and tapering to 1-1/2" x 3-3/4" at the sweep the Alloy paddle has the largest cross section of materials.



This paddle is 1-3/4" x 4-1/4" at the cap and tapers to 1-1/2" x 3-1/4" at the sweep. In addition it tapers to only 1" on the back of the arm.



Beginning with 1-7/16" x 3-7/8" at the cap this paddle arm tapers to 1-7/16" x 3-3/4" at the sweep and relies on welds at both attachment points.

SWEEP CONSTRUCTION



Alloy paddle sweeps vary from .625" to .600" thickness, including the "kicker" for unloading.



This sweep varies between .500" and .400" thick, the "kicker" is less than .375" thick.



This sweep is formed from 5/8" plate, but lacks the "kicker" entirely.