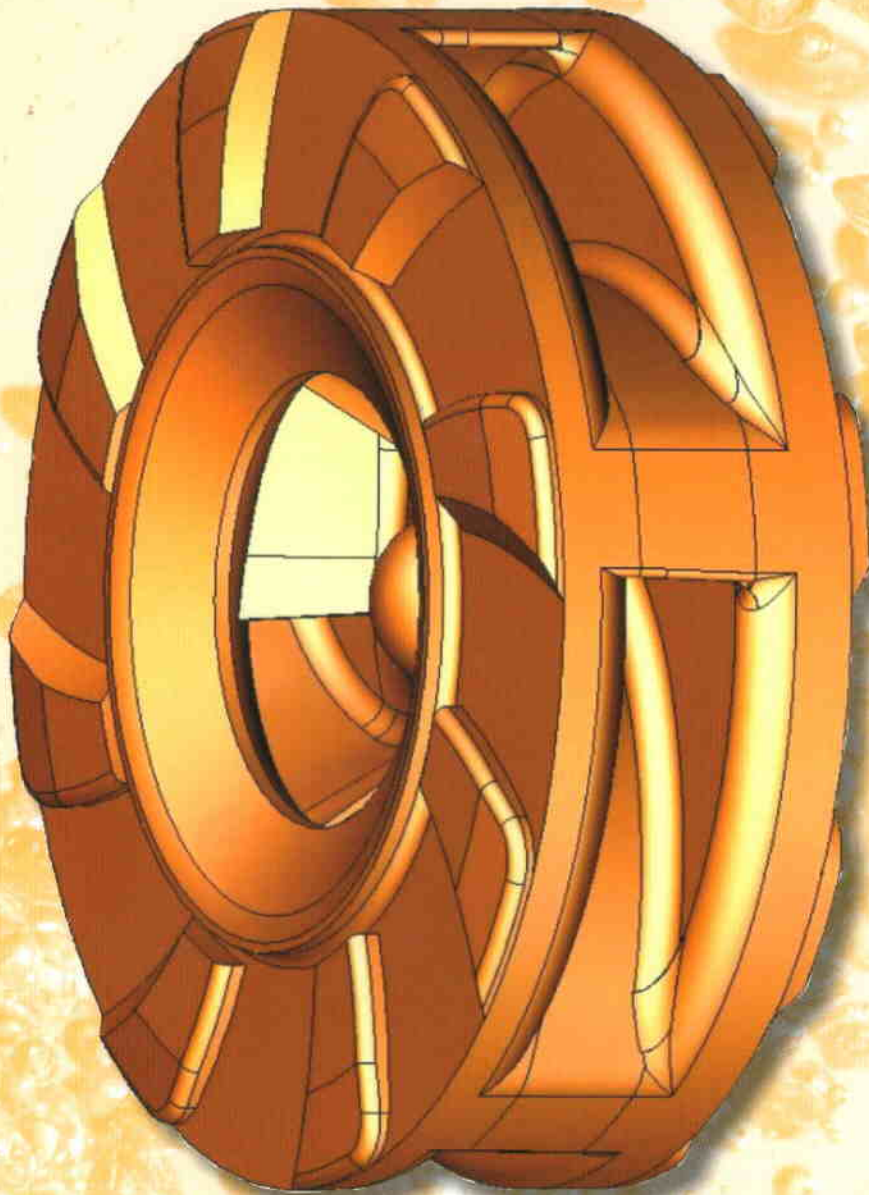




# **KETO Pumps International**

Severe Duty High Efficiency Impeller



*Upgrade performance & reliability*

# KETO Severe Duty High Efficiency Impellers (KHEE)

KETO KHEE Impellers are optimised so they do not sacrifice wear life and maintain a higher efficiency over their life without additional throat bush wear.

KETO KHEE Impellers do not increase seal chamber pressure, do not increase thrust bearing loads and due to their severe duty design, they are used in both fine and course slurry services and low NPSHR applications.

## Current Standard

### Standard HE Impeller

High efficiency impellers without the pump out vanes can tear up the throat bush and increase seal chamber pressure.



Throat bush wear - 16 weeks



27% Chrome Iron 6x4 throat bush wear pattern using conventional high efficiency impeller. Produces severe localised erosion (>25mm gouges) towards eye of impeller. Little wear towards periphery.

## KETO Alternative

### KHEE Severe Duty HE Impeller

The specialised KHEE impellers maintain their efficiency over time and unlike others do not increase throat bush wear.

Vane design remains thick section for severe duty service but improved hydraulics result in higher efficiency, lower NPSHR and increase wear life.

We've beefed up the impellers all around to make sure KETO KHEE impeller will last just as long as the others.

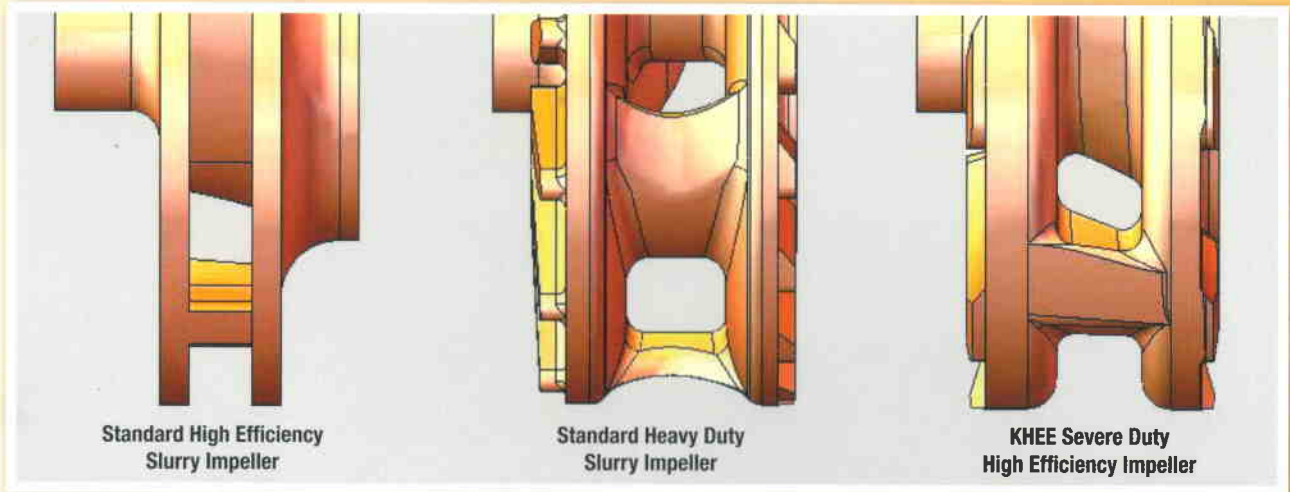


Throat bush wear - 26 weeks



27% Chrome Iron 6x4 throat bush wear pattern using KETO KHEE high efficiency impeller. Produces a relatively even wear spread over entire throat bush surface.

# Impeller Comparison



## KETO Severe Duty High Efficiency Impellers (KHEE)

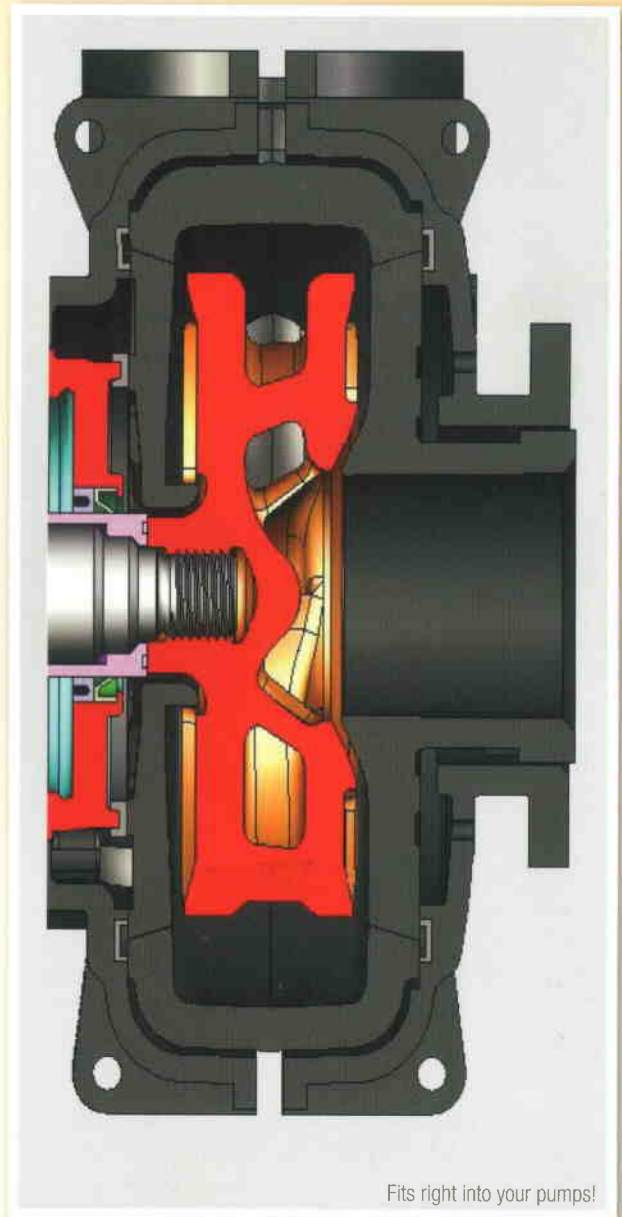
Conventional high efficiency impellers can increase throat bush wear, thereby opening the setting clearance which results in a rapid loss of efficiency on severe duty slurry applications.

They also increase seal chamber pressure and thrust bearing load.

To reduce hydraulic losses, most high efficiency impellers have very thin section vanes in comparison to severe duty impellers. The result is most high efficiency impellers can only be used on fine particle slurries and not in severe duty applications.

### THAT'S BEEN CHANGED!

The result is a **KETO** impeller that reduces your site inventory (you no longer need heavy duty for coarse and high efficiency for fine slurries), reduces operating costs, and reduces carbon emissions.





Interested in upgrading your slurry Pumping  
to the next level in service and innovation?

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