

FRAME 7EA PARTS, REPAIRS & UPGRADES

Frame 7EA 1st, 2nd, 3rd Stage Buckets



MD&A NOW OFFERS SOLUTIONS TO EXTEND THE SERVICE LIFE OF YOUR 7EA PARTS.

The MD&A San Antonio Service Center, our gas turbine parts service facility, is an industry leader in 7EA gas turbine parts supply and repair.

With leading edge equipment and repair techniques, coupled with proven experience on multiple frame gas turbine hot gas path and combustion components, our Frame 7EA parts offer unmatched durability to extend service life, all at the competitive cost and high quality the world has come to expect from MD&A.

Frame 7EA - 1st, 2nd, 3rd Stage Buckets

The Frame 7EA buckets achieve high-temperature performance up to 2055 °F with the application of world-class metallic-bond coating and thermal barrier coating (TBC).

7EA 1st Stage Buckets

- Manufactured with a directionally-solidified nickel-base proprietary superalloy that greatly enhances the life of the part
- Coated with a proprietary coating to ensure superior oxidation resistance at typical firing temperatures
- Includes an internal aluminide coating

7EA 2nd Stage Buckets

- Manufactured from an equiaxed nickel-based proprietary superalloy with a MCrAlY coating to provide superior protection against oxidation, creep and thermal mechanical fatigue cracking
- The design incorporates improvements to shroud geometry that reduce weight and improve part life
- The design has eliminated the use of the cutter tooth and applied an abrasive rail coating, thus further reducing weight, improving creep life and improving sealing effectiveness at the shroud block interface

7EA 3rd Stage Buckets

- Manufactured with equiaxed nickelbased proprietary superalloy that provides protection against oxidation and thermal-mechanical fatigue cracking
- Improvements to shroud and airfoil geometry reduce weight and extend part life
- The design has eliminated the use of the cutter tooth, applied an abrasive rail coating, and improved sealing effectiveness at the shroud block interface

Operation in accordance with GER-3620

Maximum firing temperature: 2055 °F

Fuel: Natural gas

Operation mode: Base or cyclic load



Standard Operation*

24,000 hours/1,200 starts
Repairability guarantee

48,000 hours/2,400 starts
Repairability guarantee

72,000 hours/3,600 starts
Repairability guarantee

96,000 hours/4,800 starts
Technical review

With Advanced Upgrades*

32,000 hours
Repairability guarantee

64,000 hours
Repairability guarantee

96,000 hours
Technical review

**Subject to MD&A standard terms and conditions.*