



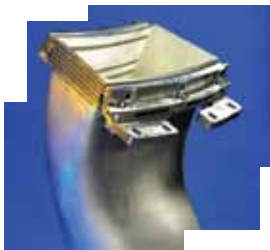
## PSM 501F Compatible Transition Piece

[www.psm.com](http://www.psm.com)

### The PSM Difference

PSM's transition piece is constructed from advanced Nimonic alloy for improved high temperature strength. A thermal barrier coating (TBC) is applied for improved durability and extended component life. Cooling augmentation has been included to further extend the useful life of the transition.

In addition to the L605 wear inserts and the thicker wall to reduce creep and bulging, PSM has also incorporated a greatly improved forward-mounting system. The aft-mount has been moved to the picture frame flange from the duct body to incorporate PSM's thermally free mounting system that significantly improves durability of the part in terms of wear and fatigue while providing the added benefit of improved accessibility of the aft end to the installer.



### Improvements to the 501F Transition Piece

- + Flow tolerances are 50% better than OEM
- + Reduced hot spots and combustion dynamics
- + Increased hot parts life
- + ISO-9000-2001 Certified
- + State-of-the-art test and flow measurement systems



## RESULTS

### PSM 501F Transition Set BASELOAD



**30,000+ hours and 64 Factored Starts (~ 20 actual starts)**

### PSM 501F Transition Set STARTS BASED



**12,102+ hours and 876 Factored Starts (733 actual starts)**

The PSM 501F compatible transition piece has operated successfully in both base-load and cyclic (starts-based) modes of operation. Having surpassed the first hot gas path inspection, with over 40 engine sets in operation the PSM 501F transition has earned its reputation in the market place as the proven solution for the 501F-class gas turbine.

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