

Photo © Textron Aviation Inc.

## GOODRICH® DURATHERM® PROPELLER DE-ICERS

# ROBUST DESIGN AND LONGER LIFE

### Ice protection that's even more reliable

Collins Goodrich® DuraTherm® propeller de-icers represent significant improvement in propeller de-icer design and function. We've designed these de-icers to be more robust, more resistant to foreign object damage (FOD) induced failure and to offer a longer service life.

#### TOTAL SYSTEMS SUPPLIER

We test, manufacture and support virtually every component of propeller de-icing systems. These include de-icers, slip rings, brush blocks, timers, timers with current monitor, wire harnesses and ammeters.

#### COMPLETE ENGINEERING DESIGN

From system concept to field application, Collins Aerospace does it all. Our complete system engineering assures integral compatibility of all components in the de-icing system.

#### WORLDWIDE PRODUCT AND TECHNICAL SUPPORT

Our philosophy is simple – we make it, we support it. One call (toll-free within the United States at 800.DEICERS, or internationally at +1.330.374.2041) gives Collins Aerospace customers, manufacturers and end users comprehensive support with world-class service. For AOG support, contact our Customer Response Center at 1.860.654.2500. To purchase, visit our website: [goodrichdeicing.com/where-to-buy](http://goodrichdeicing.com/where-to-buy).

#### KEY FEATURES AND BENEFITS

- More resistant to FOD
- More uniform heat distribution
- Continued operation if damaged
- Ideal for Part 121 and Part 135 operators
- Patented commercial heater technology for harsh environments
- Fully interchangeable with current propeller de-icers, enabling part-for-part replacement
- Fully tested and FAA certified



## RELIABLY PERFORMING FOR SAFER FLIGHTS

### NEW DURATHERM DESIGN

DuraTherm's patented element is more resistant to FOD and provides more uniform heat distribution throughout the propeller de-icer. Replacement of older de-icers with DuraTherm technology is simple – both systems use the same connectors, lead wires and hardware.

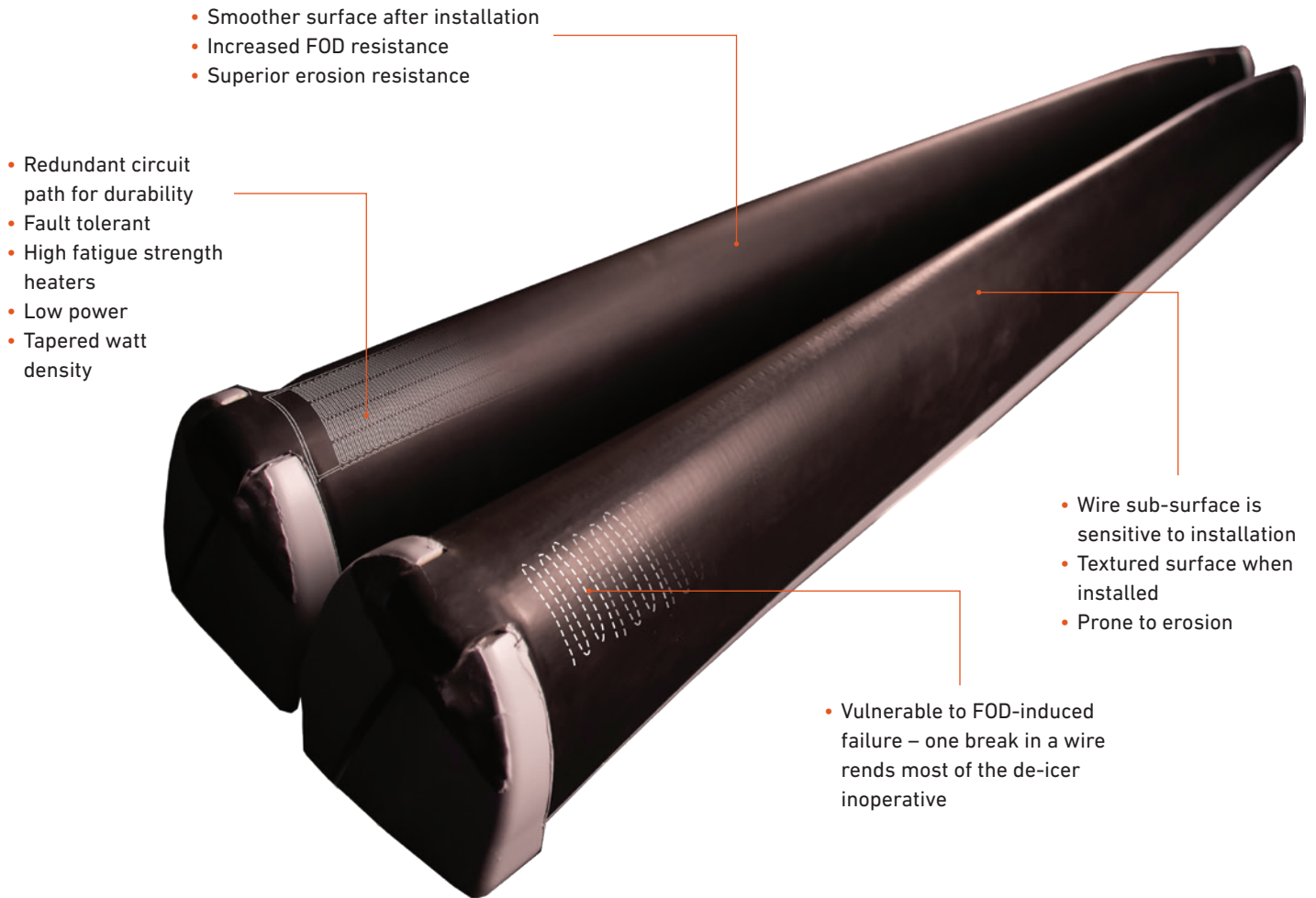
### CONTINUOUS INNOVATION

We continue to provide product innovations in design, provisioning and support of our propeller ice protection products. Our approach is to innovate and improve with products such as DuraTherm propeller de-icers.

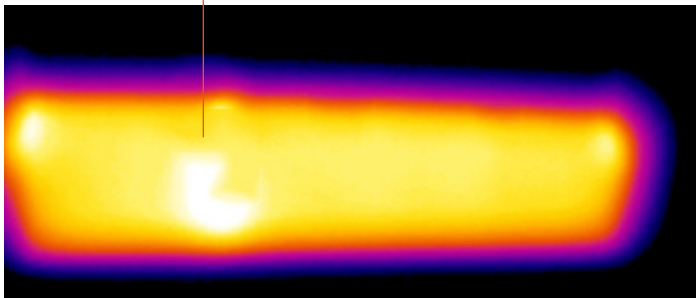
Contact us to learn more about how our reliable de-icing systems can enhance the safety and efficiency of your aircraft.

# SUPERIOR PROTECTION YOU CAN SEE

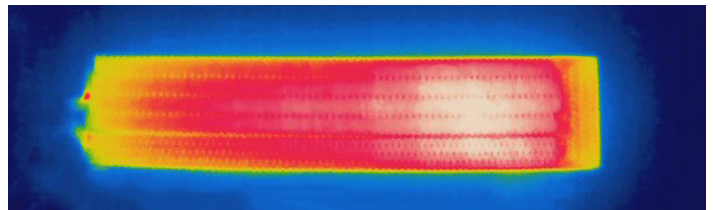
## DuraTherm® vs. standard propeller de-icer (wirewound)



0.375 inch diameter hole



DuraTherm continues to operate even after damage.



DuraTherm (bottom) has a more uniform temperature distribution than standard de-icers (top).

# READY FOR YOUR AIRCRAFT

Aircraft make	Aircraft model	Blade	D4E2575-7	D4E2575-10	D4E2560-10	D4E3400-1	D4E2560-12	D4E1188-3	D4E1188-5	D4E1601-3	D4E1601-5
Beech	18 Twin Beech	Hartzell						X	X		
Beech	50	Hartzell						X			
Beech	55 Baron	Hartzell						X			
Beech	56 Baron	Hartzell						X			
Beech	58 Baron	Hartzell						X			
Beech	60 Duke	Hartzell						X			
Beech	65 Queen Air	Hartzell						X			
Beech	90 King Air	Hartzell						X	X		
Beech	99 Airliner	Hartzell						X	X		
Beech	100 King Air	Hartzell						X	X		
Beech	200 Super King Air	McCauley					X				
Beech	300 Super King Air	Hartzell	X	X							
Beech	1900 Airliner	Hartzell			X	X					
British Aerospace	HP.137	Hartzell							X		
Viking Air Limited	DHC-6-300	Hartzell							X		
CASA	212	Hartzell									X
Cessna	208 Caravan	Hartzell			X						
Cessna	310/320	Hartzell						X			
Cessna	340	Hartzell						X			
Cessna	401/402 Utiliner/Businessliner	Hartzell						X			
Cessna	411	Hartzell						X			
Cessna	414 Chancellor	Hartzell						X			
Cessna	421 Golden Eagle	Hartzell						X			
GAF	N22B	Hartzell							X		
IAI	Arava	Hartzell							X		
Mitsubishi	MU-2	Hartzell						X	X		
Pilatus	PC-6	Hartzell							X		
Piper	PA-23 Apache	Hartzell						X			
Piper	PA-31 Navajo	Hartzell						X	X	X	
Short Brothers	PLC SC7	Hartzell							X		
Twin Commander	500	Hartzell						X			
Twin Commander	560	Hartzell						X			
Twin Commander	680	Hartzell						X			
Twin Commander	681	Hartzell						X			
Twin Commander	690	Hartzell									X
Twin Commander	720	Hartzell						X			

Specifications subject to change without notice.



**Collins Aerospace**

800.DE-ICERS | (800.334.2377)

deicers@collins.com

collinsaerospace.com/deicing