



# SANDVIK OSPREY CE17

## CONTROLLED EXPANSION

### Lightweight, High Strength, High Thermal Conductivity

### Al/Si ALLOY

*produced by the patented Osprey Process*

Fabrication and surface treatment (including plating) techniques comparable to those used for most common aluminum alloys

Available now from ISO9000 approved facilities in prototype to tonnage quantities as custom components or bulk forms: plate, block and rolled strip

#### TYPICAL PROPERTIES (ANNEALED CONDITION)

	Density g/cc	CTE ppm/deg C 25 – 250 C	Thermal Conductivity W/m K	Elastic Modulus msi	Ultimate Tensile Strength ksi	Yield Strength ksi
<b>CE 17</b> Al- 27% Si	<b>2.6</b>	<b>17.7</b>	<b>180</b>	<b>13.5</b>	<b>22.6</b>	<b>16.0</b>
<b>Al 6061</b>	<b>2.7</b>	<b>25.2</b>	<b>180</b>	<b>10.1</b>	<b>18.0</b>	<b>8.0</b>
<b>Cu 10100</b>	<b>8.9</b>	<b>17.7</b>	<b>388</b>	<b>17</b>	<b>31.2</b>	<b>7.1</b>

For more information, visit [www.ospreymetals.com](http://www.ospreymetals.com) or contact:

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*CE17 is one of a family of **CE** Alloys produced by Sandvik Osprey*