

CERAMIC ENDMILLS



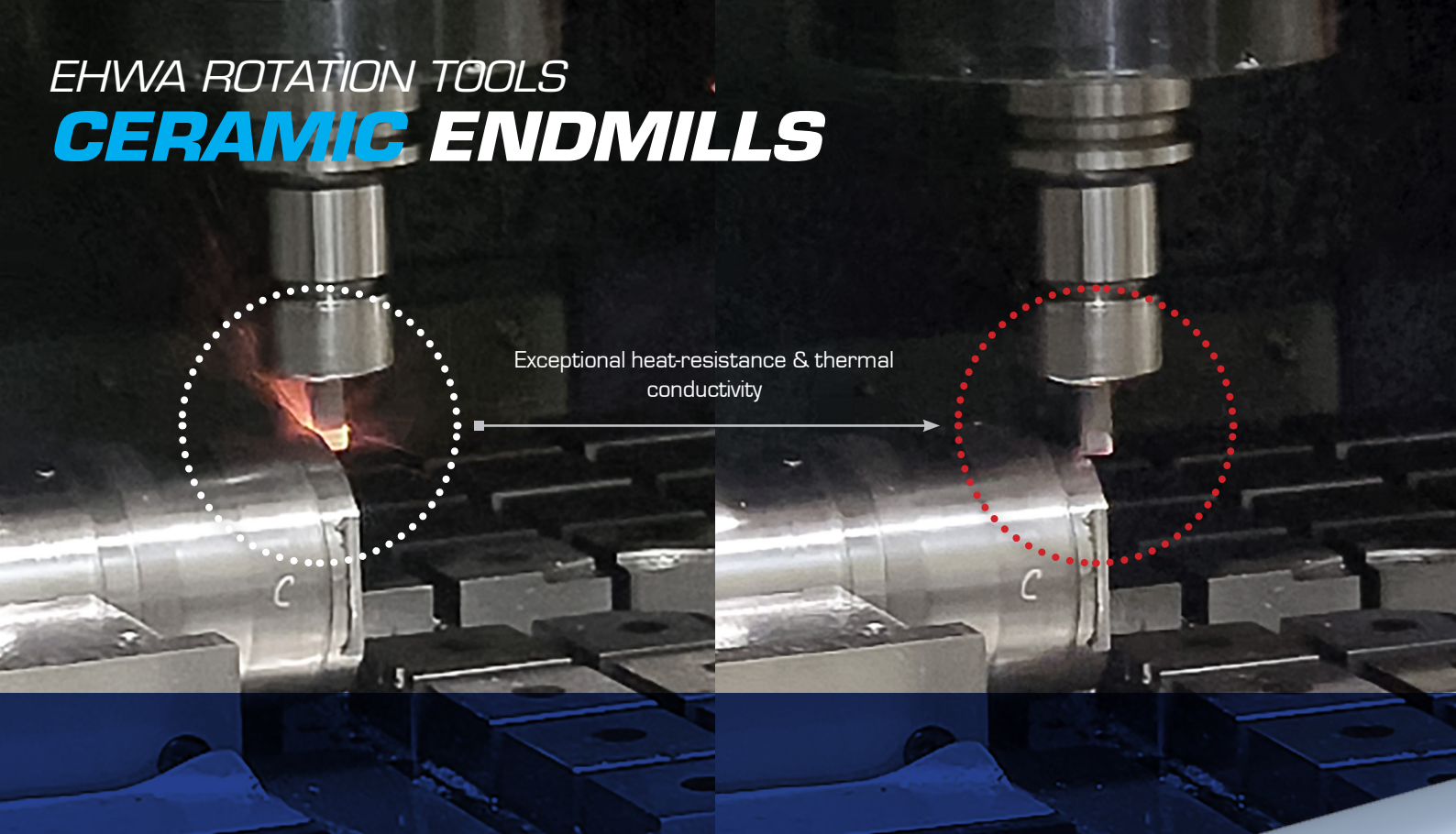
BALL | 4F | 6F

**NEW
PRODUCT**



EHWA DIAMOND

EHWA ROTATION TOOLS CERAMIC ENDMILLS



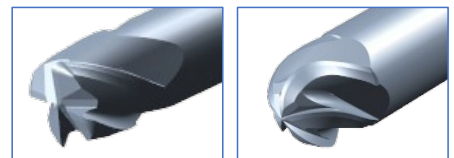
Exceptional heat-resistance & thermal conductivity

NEW PRODUCT

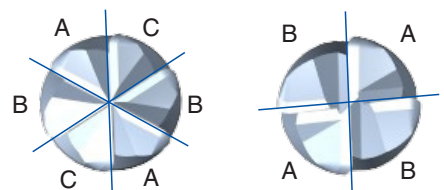
- Large helix angle
- Minimizes cutting load
- Outstanding cutting force



- Ceramic SiAlON grade
- Advantageous for machining HRSA



Asymmetric design



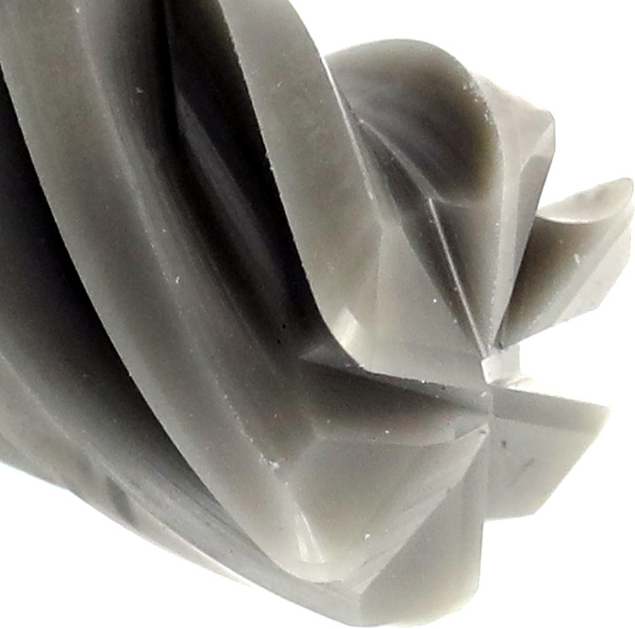
EC2008

EHWA Ceramic Grade

Grade	SiAlON
Color	Dark Olive Green
Workpiece	HRSA (Heat-Resistant Super Alloy)

[EC2008 Features]

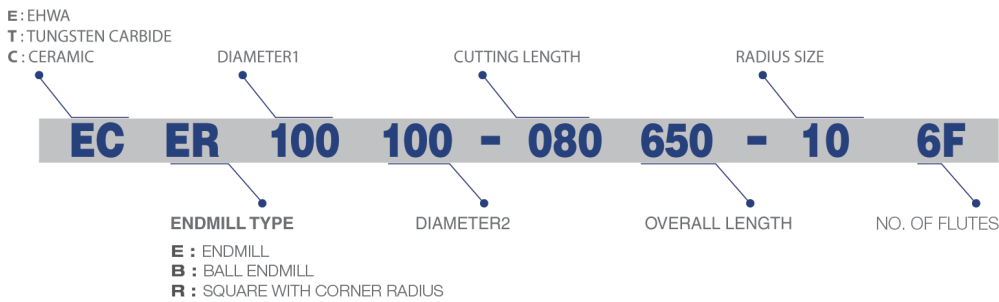
SiAlONs are ceramics based on the elements silicon (Si), aluminium (Al), oxygen (O) and nitrogen (N).-Ideal for machining under high-temperature and high-pressure conditions, such as those encountered in turbine and automotive engine parts., thanks to its exceptional heat resistance and low thermal conductivity.



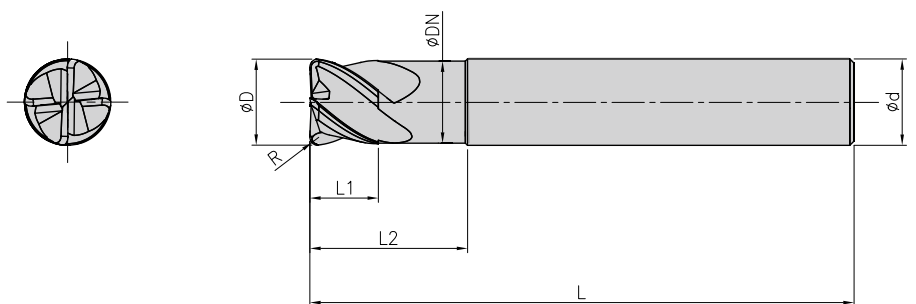
EHWA ROTATION TOOLS **CERAMIC ENDMILLS**

The use of heat-resistance super alloy (HRSA) is rapidly expanding across industries including aerospace and automotive. This trend has been driven by the need for enhanced functionality and lightweighting in products. By incorporating these advanced materials, manufacturers are achieving superior performance and efficiency, making products not only more durable but also more adaptable to demanding applications.

In the aerospace industry, components for turbine and jet engines are crafted from nickel alloys as Inconel, which are renowned for heat resistance, but difficult-to-cut. EHWA has newly developed a helical-type ceramic endmill specially designed for machining HRSA.



Product Lines

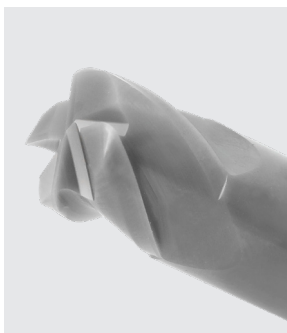


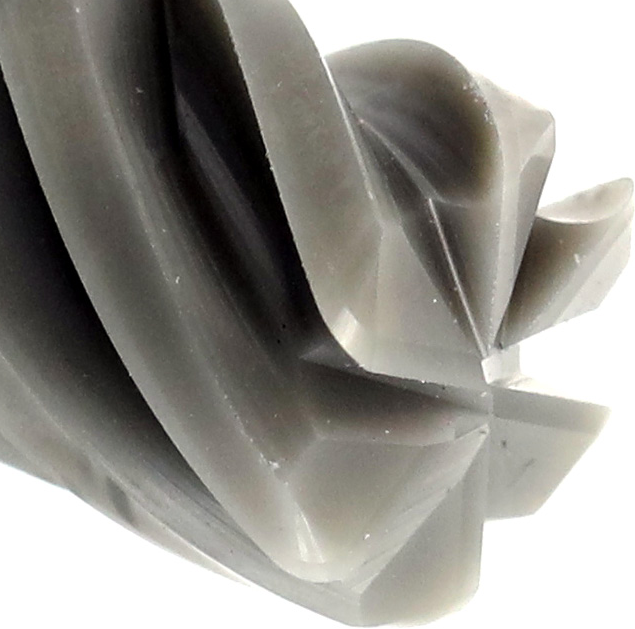
* **4F**

EHWA STANDARD SQUARE ENDMILLS

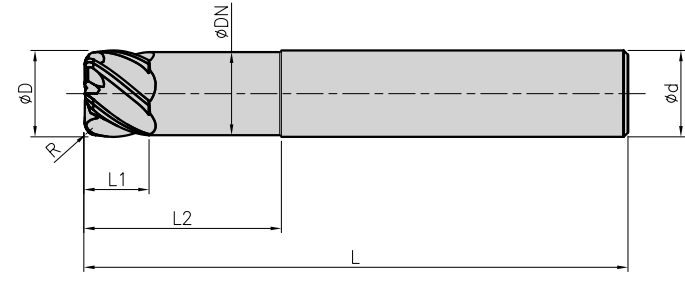
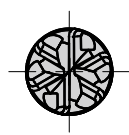
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ECER 080080 060600 10 4F	8	8	60	6	15	7.7	1.0
ECER 100100 080650 10 4F	10	10	65	8	20	9.7	1.0
ECER 120120 100700 15 4F	12	12	70	10	25	11.5	1.5
ECER 160160 120830 20 4F	16	16	83	12	30	15.5	2.0
ECER 200200 150930 20 4F	20	20	93	15	35	19.5	2.0

*The number of flutes and head shape can be modified

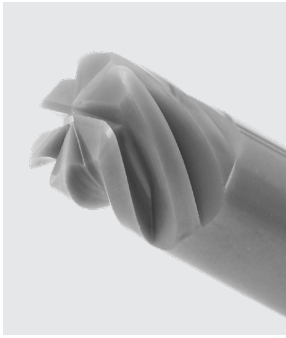




EHWA ROTATION TOOLS
CERAMIC ENDMILLS

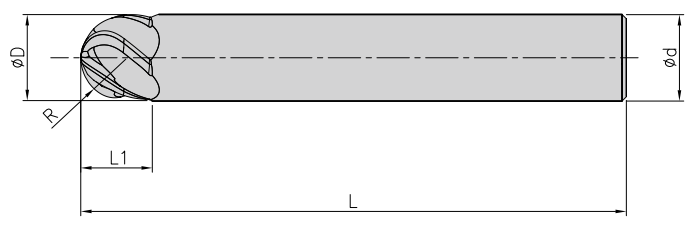
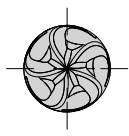


* **6F**



EHWA STANDARD SQUARE ENDMILLS

ITEM CODE	D	d	L	L1	L2	DN	R
ECER 060060 060600 05 6F	6	6	60	6	12	5.8	0.5
ECER 080080 060600 10 6F	8	8	60	6	15	7.7	1.0
ECER 100100 080650 10 6F	10	10	65	8	20	9.7	1.0
ECER 120120 100700 15 6F	12	12	70	10	25	11.5	1.5
ECER 160160 120830 20 6F	16	16	83	12	30	15.5	2.0
ECER 200200 150930 20 6F	20	20	93	15	35	19.5	2.0



* **BALL**



EHWA STANDARD BALL ENDMILLS

ITEM CODE	D	d	L	L1	R
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ECEB 080080 060600 40 5F	8	8	60	6	4.0
ECEB 100100 080650 50 5F	10	10	65	8	5.0
ECEB 120120 100700 60 5F	12	12	70	10	6.0
ECEB 160160 120830 80 5F	16	16	83	12	8.0
ECEB 200200 150930 100 5F	20	20	93	15	10.0



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