

# REDUCED SPARKING GRINDING DISCS

Designed for grinding steel, stainless steel and other materials in nuclear plants, oil and gas industries and applications where spark reduction is an important feature.

Eco Brazing (EB) diamond grinding discs from CS Unitec reduce sparking to 1% of that produced by resinoid wheels, making EB diamond a better choice than resinoid for use in some hazardous environments.

- Diamond grit protrudes higher off the EB diamond disc than traditional diamond wheels, providing greater durability, longer service life and ease in cutting
- High-tensile steel backing disc reduces plate thickness for a lightweight wheel that allows for high-rotation grinding
- High yield strength makes the steel backing disc elastic, helping to ensure that operators do not grind the material by over-removal
- Reduced sparking increases the visibility of the workpiece
- The EB diamond wheel wears approximately 1% as much as a resinoid wheel, therefore significantly reducing the amount of abrasive dust emitted
- Ideal for grinding steel and stainless steel, as well as natural stone, granite, marble, fiberglass and other materials

### EB DIAMOND DISC Specifications

<b>Dimensions</b>	Diameter: 4", 7"
<b>Max. speed</b>	13,000 RPM (4") or 8500 RPM (7")
<b>Ideal speed</b>	6000 RPM (4") or 3300 RPM (7")
<b>Grits</b>	30, 40, 50, 60, 80
<b>Arbor size</b>	7/8"

### EB DIAMOND DISC Ordering Information

Order No.	Size (dia. x arbor)	Grit	Max. Speed	Quantity
EB4007830	4" x 7/8"	30	13,000 RPM	1 disc
EB4007840	4" x 7/8"	40	13,000 RPM	1 disc
EB4007850	4" x 7/8"	50	13,000 RPM	1 disc
EB4007860	4" x 7/8"	60	13,000 RPM	1 disc
EB4007880	4" x 7/8"	80	13,000 RPM	1 disc
EB7007830	7" x 7/8"	30	8500 RPM	1 disc
EB7007840	7" x 7/8"	40	8500 RPM	1 disc
EB7007850	7" x 7/8"	50	8500 RPM	1 disc
EB7007860	7" x 7/8"	60	8500 RPM	1 disc
EB7007880	7" x 7/8"	80	8500 RPM	1 disc

Though EB diamond discs have been shown to reduce sparking, we make no claim that sparking will be eliminated. Follow all appropriate safety regulations (ATEX, OSHA, ANSI) for all grinding applications, including those for working in hazardous environments.



### Benefits of reduced sparking:

- Workpiece visibility is improved, allowing more accurate grinding
- Reduced fire hazard from sparks



EB diamond grinding discs reduce sparking up to 1/100 of that produced by resinoid grinding wheels (inset left).



# REDUCED SPARKING DIAMOND GRINDING AND CUTTING DISCS

Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

Follow all appropriate safety regulations (ATEX, OSHA, ANSI, etc.) for all grinding applications, including those for working in hazardous environments. Follow all appropriate OSHA and international safety regulations for grinding metal, fiberglass, hard plastics and more.

- Last 100x longer than ordinary resin bonded wheels
- Reduce sparks, dust and material waste
- Save time changing discs
- Ideal for grinding and cutting steel, stainless steel, aluminum, titanium, fiberglass and more



## EB Cut Off Wheels – "Slicer" for cutting metal and more

Eco Brazing (EB) diamond cutting wheels from CS Unitec are designed for cutting steel and stainless steel pipe, tubing, bolts and plate, as well as composites, fiberglass and other materials.

Order No.	Size (dia. x arbor)	Grit	Max. Speed	Quantity
EBC4007850C	4" x 7/8"	50	15,200 RPM	1 disc
EBC4507850C	4-1/2" x 7/8"	50	13,200 RPM	1 disc
EBC5007850C	5" x 7/8"	50	12,200 RPM	1 disc
EBC6007850C	6" x 7/8"	50	10,100 RPM	1 disc
EBC7007850C	7" x 7/8"	50	8400 RPM	1 disc
EBC9007850C	9" x 7/8"	50	6600 RPM	1 disc



## EB Combination (Grinding – Cutter) Wheels

Eco Brazing (EB) diamond combination metal grinding and cutting wheels from CS Unitec are designed for grinding and cutting steel and stainless steel bolts and plate.

Order No.	Size (dia. x arbor)	Grit	Max. Speed	Quantity
EB4007835CM	4" x 7/8"	35	15,200 RPM	1 disc
EB4007850CM	4" x 7/8"	50	15,200 RPM	1 disc
EB4507835CM	4-1/2" x 7/8"	35	13,200 RPM	1 disc
EB4507850CM	4-1/2" x 7/8"	50	13,200 RPM	1 disc
EB5007835CM	5" x 7/8"	35	12,200 RPM	1 disc
EB5007850CM	5" x 7/8"	50	12,200 RPM	1 disc
EB7007835CM	7" x 7/8"	35	8400 RPM	1 disc
EB7007850CM	7" x 7/8"	50	8400 RPM	1 disc



## EB Cluster (Cleaning – Grinding) Wheels

Eco Brazing (EB) diamond cluster wheels from CS Unitec are designed for removing paint, rust and epoxy on metal. Also for high material removal on fiberglass, composites and plastics without loading up like traditional abrasives.

Order No.	Size (dia. x arbor)	Grit	Max. Speed	Quantity
EB4007880CLSF	4" x 7/8"	80	15,200 RPM	1 disc
EB4507880CLSF	4-1/2" x 7/8"	80	13,200 RPM	1 disc
EB5007880CLSF	5" x 7/8"	80	12,200 RPM	1 disc
EB6007880CLSF	6" x 7/8"	80	10,100 RPM	1 disc
EB7007880CLSF	7" x 7/8"	80	8400 RPM	1 disc