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**FIRE TIGER TOOTH**  
Fire, Police and Rescue

**CUTS VIRTUALLY EVERYTHING ON SITE™**



AN AMERICAN OWNED COMPANY

# ***CUTS VIRTUALLY EVERYTHING ON SITE™***

MK Diamond Products introduces a revolution in diamond blade technology. The Fire Tiger Tooth multi-purpose blade uses the latest MK Vacuum Brazed Technology which addresses the needs of Fire Fighters, Rescue, USAR and Police.

Typically, most types of blades are limited to cutting a specific range of materials. Abrasive wheels are needed for cutting steel. Diamond blades for concrete, tile, stone and masonry materials. Steel or carbide toothed blades for lumber and wood products and so forth.

With the Fire Tiger Tooth blade a diverse range of material can be cut such as:

- Masonry
- Concrete
- Roof Tile
- Dry Wall
- Stainless Steel
- Wood
- Steel
- Plastic
- Stucco
- PVC
- Rebar
- Copper Pipe
- Tile Backer Board
- Corrugated Roofing
- Polyethylene Pipes
- Aluminum

The Fire Tiger Tooth can be used on most standard hand grinders, electric circular saws and gas powered cut-off saws and is available in diameters from 4" to 16".

## **EMERGENCY RESCUE BLADE**

### **CUTS:**

- **Nader Bolts**
- **Plastic**
- **Concrete**
- **Roof Tile**
- **Rebar**
- **Copper Pipe**
- **Stucco**



Fire Fighters have used the Fire Tiger Tooth Blades series for a variety of rescue applications from breaching burning building, vehicle extrications, & ventilating roof tops.

**MULTIPURPOSE (DRY)**



MK Diamond Multipurpose blades have been specially designed to cut many types of materials. The "Fire Tiger Tooth" vacuum braze technology adheres the diamond to the surface of the segment, ensuring 100% of the diamonds are being used. There are no bonds to wear away, enabling the diamond to work at its peak performance in steel, ductile pipe, plastic, wood, concrete, masonry and other construction materials.

**FIRE TIGER TOOTH**  
Premium demolition/fire rescue blades

Fire Tiger Tooth multipurpose blade cuts wood, plastic, steel, concrete, masonry and ductile pipe.

Diameter	Width	Arbor	Part#
4" (102 mm)	.080	7/8"-5/8"	164580
4-1/2" (114 mm)	.080	7/8"-5/8"	164581
7" (178 mm)	.090	DM-7/8"-5/8"	164582
12" (305 mm)	.125	20mm	164583Z
12" (305 mm)	.125	1"	164583
12" (305 mm)	.125	7/8"	164583Y
14" (356 mm)	.125	1"	164584
14" (356 mm)	.125	20mm	164584Z
16" (406 mm)	.125	1"	167440

Segment Height: 7 mm



**MK VACUUM BRAZED TECHNOLOGY**  
Certified ANSI B.71.7

**FIRE TIGER TOOTH "BLACK LABEL"**  
Supreme demolition/fire rescue blades

Fire Tiger Tooth Black Label multipurpose blade with electroplated core which prevents binding, is for cutting wood, plastic, steel, concrete, masonry and ductile pipe.

Diameter	Width	Arbor	Part#
12" (305 mm)	.125	1"	166693
14" (356 mm)	.125	1"	166692

Segment Height: 7 mm



Electroplated Core

**MK VACUUM BRAZED TECHNOLOGY**  
Certified ANSI B.71.7

**FIRE TIGER TOOTH "VENTILATOR"**  
Supreme ventilation rescue/demolition blades

Fire Tiger Tooth Ventilator multipurpose blade is designed for roof breaching for firefighters and rescue applications. It will cut asphalt shingles, tar and composite roofs and fiberglass/resins. Silent steel core provides noise reduction/suppression and heat dissipation.

Diameter	Width	Arbor	Part#
12" (305 mm)	.250	1"	167310
14" (356 mm)	.250	20mm	167311Z
14" (356 mm)	.250	1"	167311
16" (406 mm)	.250	1"	167312

Segment Height: 8 mm



# BLADE TYPES

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## Abrasive



- Composed of hard abrasive grains held together by a bonding material.
- Will cut a variety of material: concrete, block, and various metals.
- Due to the construction of the blade, the wear factor is extremely fast.

## Traditional Diamond



- Composed of a heat treated steel core, manmade industrial diamond held together by a metallurgical matrix.
- Will cut a variety of abrasive material: tile, marble, asphalt, concrete, block, and brick pavers.
- Due to the construction of a diamond blade it needs an abrasive factor to wear away the metallurgical matrix to expose more diamonds in order to keep the blade sharp so it can grind away material creating a cut.
- The metallurgical matrix is formulated to wear at an appropriate rate depending on the material the diamond blade is being used on, resulting in longer blade life on a variety of abrasive materials.

## Vacuum Brazed



- Man-made industrial diamonds are vacuumed brazed directly onto a heat treated steel core.
- Will cut a variety of materials: tile, marble, asphalt, concrete, block, brick, pavers, plastic, wood, PVC, and a variety of metals.
- Due to the construction of a vacuumed brazed blade it does not need an abrasive factor to wear away a metallurgical matrix. It uses 100% of the diamonds.
- The vacuum brazed technology gives the blade longevity when used on a variety of materials.

## Tungsten Carbide



- Composed of sharp, jagged, tungsten carbide segments laser welded on to a heat treated .250 silent steel core.
- Due to the design of this aggressive blade, it will rip through asphalt shingles, tar and composite roofs, fiberglass/resins making ventilation openings and emergency entries quick and effortless.
- Tungsten carbide is less brittle than other metals, and thus can withstand the rigors of constant use easily.
- Silent steel core provides noise reduction/suppression and heat dissipation.

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