

FLY CUTTER WITH CARBIDE TEETH – 10”

FCI-HDD | FALCON CORE INDUSTRIES HEAVY DUTY SERIES



GENERAL INFORMATION

Product	Fly Cutter with Carbide Teeth – 10”
Series	FCI-HDD (Falcon Core Industries Heavy Duty Series)
Application	Heavy-duty machining and surface milling operations
Cutter Diameter	10" (254 mm)
Cutting Elements	Carbide teeth
Tool Type	Heavy-duty fly cutter

EQUIPMENT DESCRIPTION

The FCI-HDD Fly Cutter with Carbide Teeth – 10” is a heavy-duty industrial cutting tool designed for high-performance surface machining and milling applications. The cutter is manufactured with a robust high-strength alloy steel body and carbide cutting elements to provide excellent wear resistance, cutting performance, dimensional accuracy, and extended service life.

The rigid construction provides stability during heavy machining operations, while the carbide teeth are designed to maintain effective cutting performance under demanding working conditions.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Product Type	Fly Cutter
Series	FCI-HDD Heavy Duty Series
Cutter Diameter	10" (254 mm)
Cutting Teeth	Carbide
Body Material	High-strength alloy steel
Cutting Element Material	Tungsten carbide
Construction	Heavy-duty rigid body
Application	Surface milling / facing operations
Mounting	Machine spindle compatible
Finish	Industrial machined finish

CONSTRUCTION & MATERIALS

Cutter Body: High-strength alloy steel body designed for rigidity and durability during heavy machining.

Carbide Teeth: Wear-resistant carbide cutting teeth providing high cutting efficiency and extended tool life.

Machined Surfaces: Precision-machined surfaces for reliable mounting and stable operation.

Overall Construction: Heavy-duty construction suitable for demanding industrial machining environments.

OPERATING FEATURES

- 10" (254 mm) cutting diameter
- Heavy-duty alloy steel body
- Carbide cutting teeth for enhanced wear resistance
- Suitable for surface facing and milling applications
- High rigidity for stable machining
- Designed for extended service life
- Suitable for demanding industrial applications
- Reliable cutting performance under heavy machining conditions

APPLICATION AREAS

- Surface milling
- Facing operations
- Heavy-duty machining
- Steel and metal component machining
- Industrial fabrication
- Workshop machining operations
- General engineering applications

FCI-HDD SERIES DESCRIPTION

FCI-HDD (Falcon Core Industries Heavy Duty Series) is a premium industrial tooling range designed for high-performance machining applications. Tools are manufactured using high-strength alloy steel bodies with carbide cutting elements to provide superior wear resistance, accuracy, and extended service life under heavy machining conditions.

MAINTENANCE

Before Use

- Inspect carbide teeth for damage or excessive wear.
- Check the cutter body and mounting surfaces.
- Ensure proper and secure machine mounting.

After Use

- Clean the cutter and remove machining debris.
- Inspect carbide teeth for chips or cracks.
- Store in a dry and protected location.

Periodic Maintenance

- Check cutting teeth condition regularly.
- Replace damaged or excessively worn carbide teeth.
- Verify mounting and cutter condition before heavy-duty operation.

NOTE: Actual spindle compatibility, cutting speed, feed rate, mounting arrangement, and carbide tooth configuration should be confirmed according to the machine and machining application.