

**FES**

EXPERTISE MAKES DIFFERENCE



# FOUNDATION DRILLING WEAR TEETH







# ABOUT FES

Since 2005, FES has been providing top-quality drilling equipment and tools for global clients. At the same time, to meet market demand, we have established our branch in North America in 2023.

FES factory has a daily production capacity of 40,000 pieces of wear teeth, with a well-established production facility that occupies a floor area of 40,000m.

Our affiliated manufacturer possesses 2500 tons, 1600 tons, 1000 tons, 630 tons, and 400 tons amount 10 forging production lines, as well as carbide production line, mold-making center, automatic welding center, CNC machining center, and advanced product quality inspection center.

# COMPANY TIMELINE



1990S

Began business in the piling industry.



2008-2013

Expanded into Australia, New Zealand, Germany and other Asian pacific countries and built cooperation with local leading suppliers.



2020

Began engineering of the world's first hydraulic DTH rotary hammer, and the prototype was delivered in 2021.



2005

Established FES (China) limited, entering the North American market with competitive piling equipment, tools, parts & accessories.



2016

Started strategic partnership with XCMG, the world's largest manufacturer of rotary drill rigs.



2021-now

Built partnership with JUNTAN in 2021. FES has established its branch in North America in 2023.



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# ADVANTAGES OF FES DRILLING TOOLS



## RAW MATERIAL

We source the best quality raw material to ensure high quality standards of our products. Our powder supplier is the same one as Betek.



## PRODUCTION

Starting from the mixing of carbide powder until the completion of the product, we monitor each process on our world-class teeth production line.



## QUALITY CONTROL

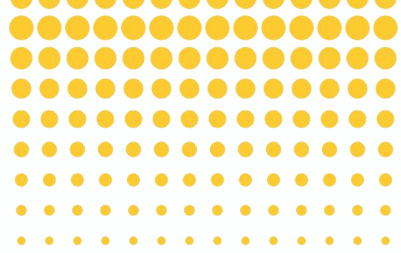
We use international quality standards to measure our products. Strict quality control and inspection are carried out during different phases of the manufacturing process.



## WEAR PROTECTION

Various types of wear protection elements applied on the teeth greatly reduce the direct abrasion on the steel, and make our teeth more wearable than the regular ones.





# MANUFACTURING PROCESS



**R&D CENTER**



**FORGING**



**CNC MACHINING  
CENTER**



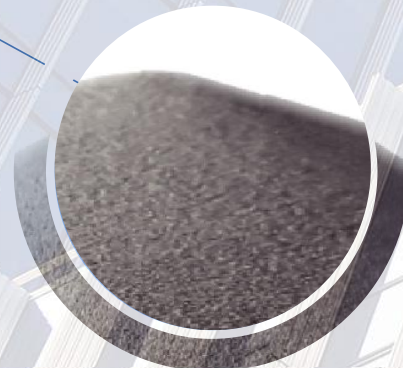
**AUTOMATIC  
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**HEAT TREATMENT**



**SHOT BLASTING**

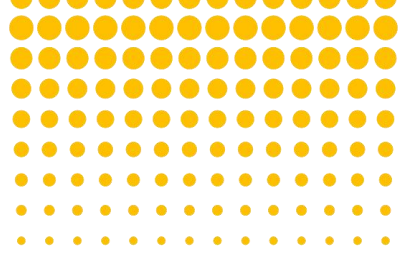


**POWDER MIXING**



**PRESSING &  
SINTERING**





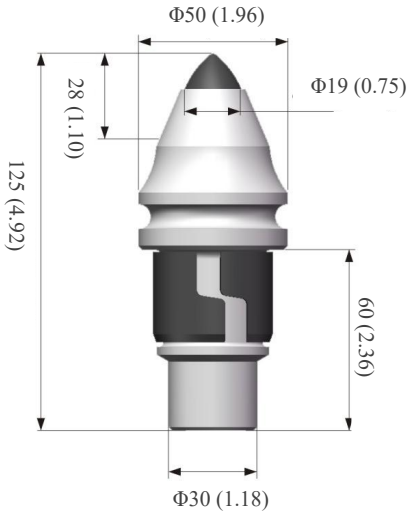
# FES PROJECTS



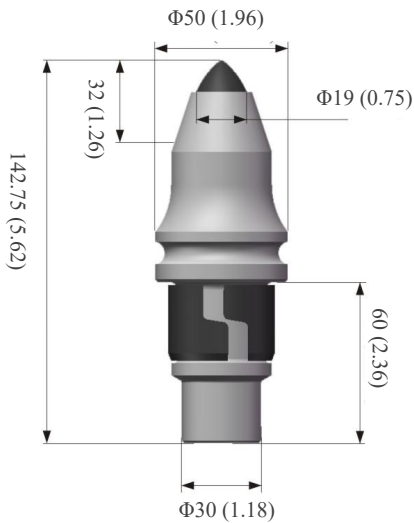


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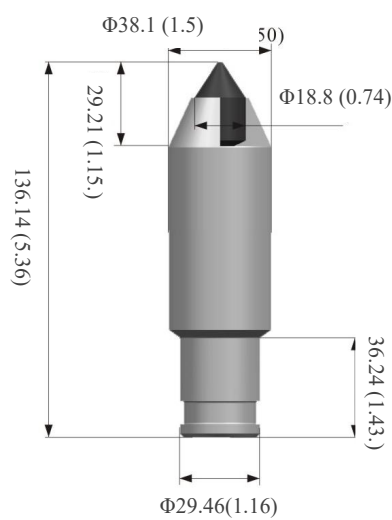
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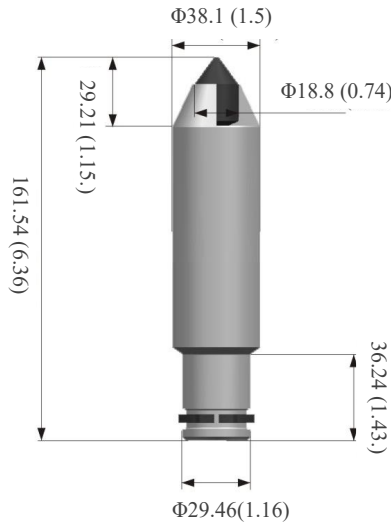
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FES FC4



FES FC4-1



TEETH

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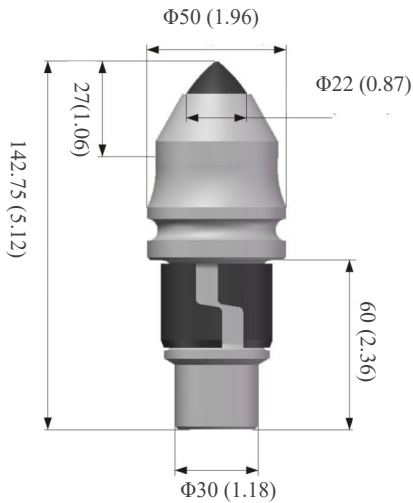


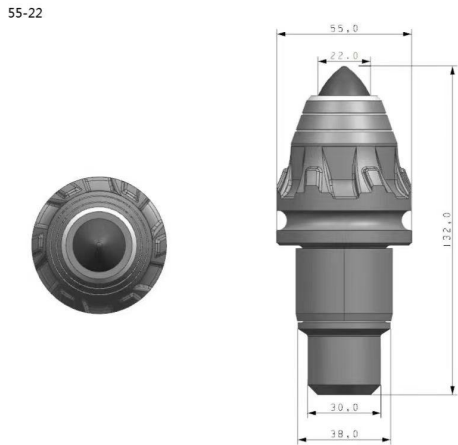
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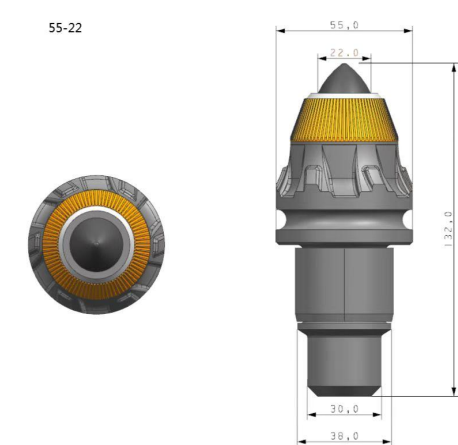


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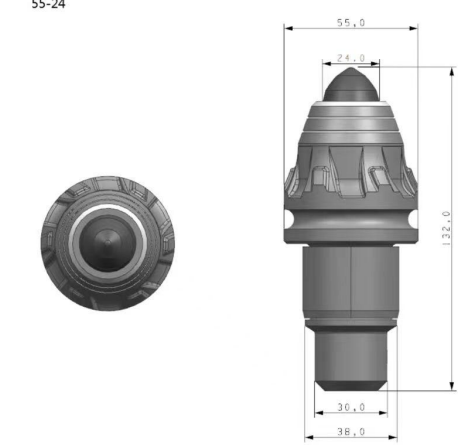
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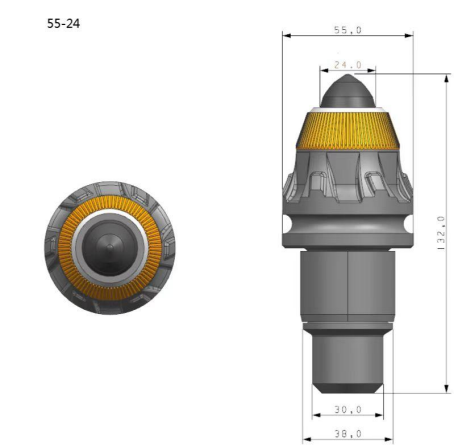
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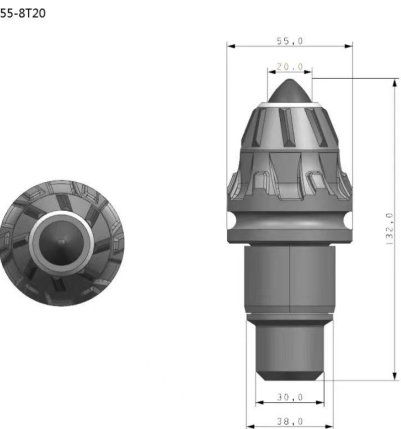


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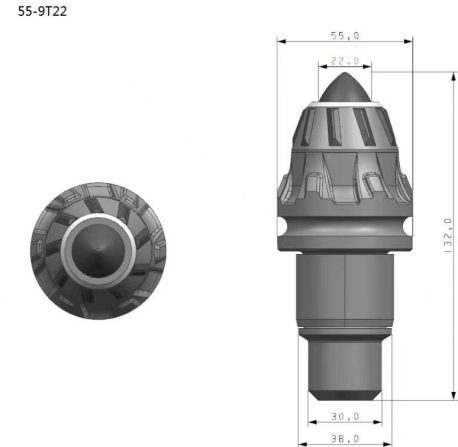


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FES55-9T22



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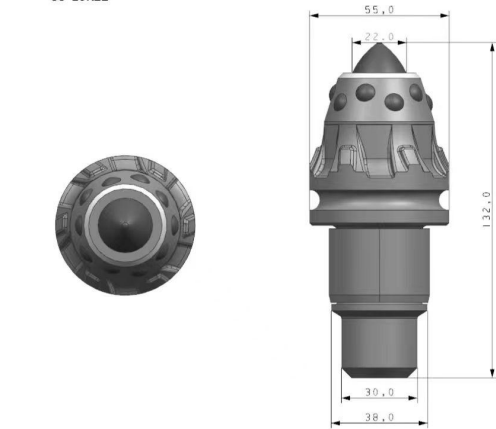
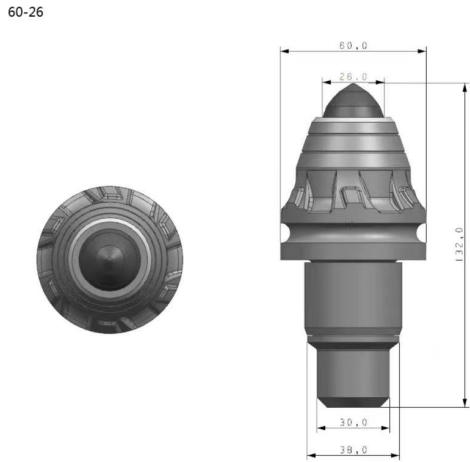


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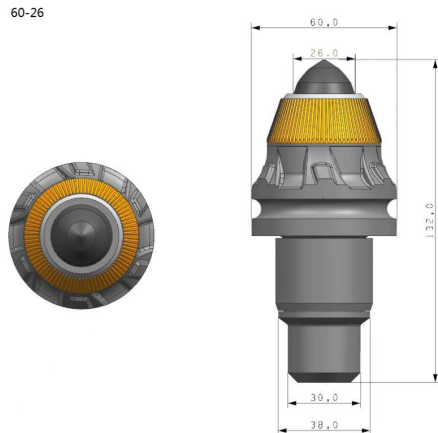


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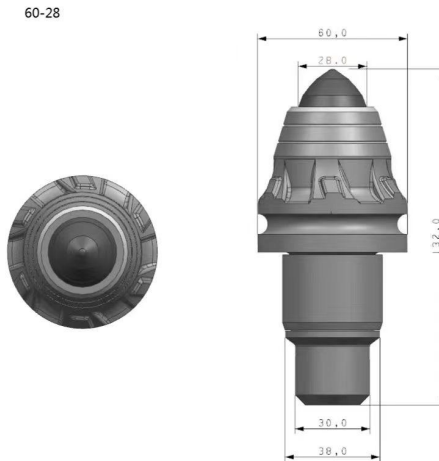
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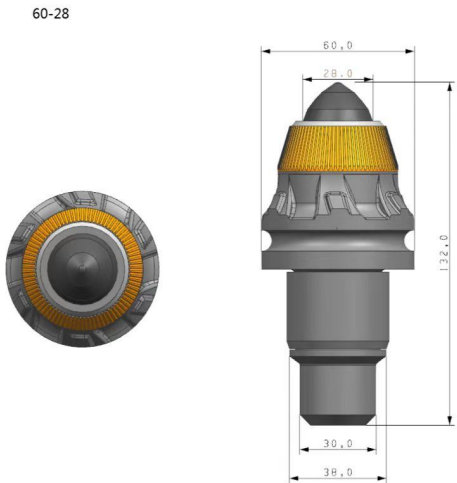
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FES 60-28

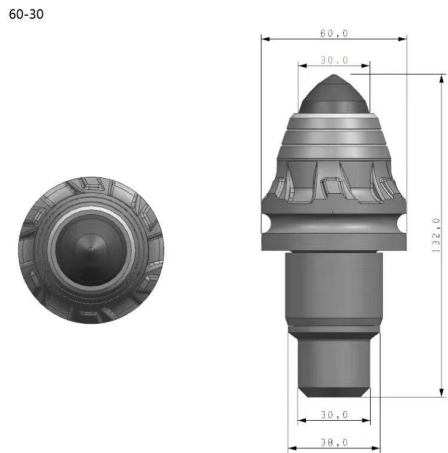


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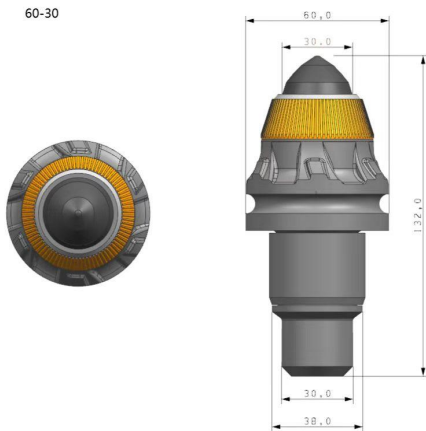


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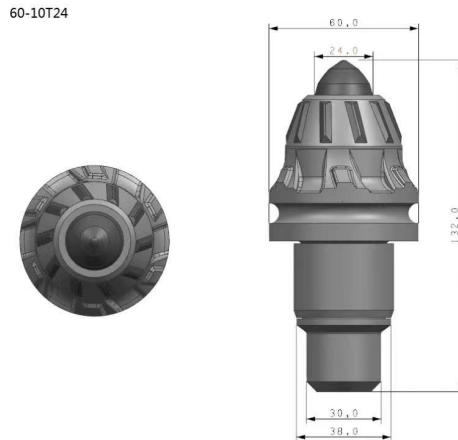
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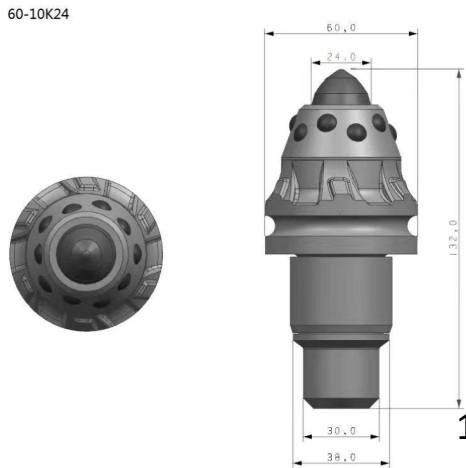
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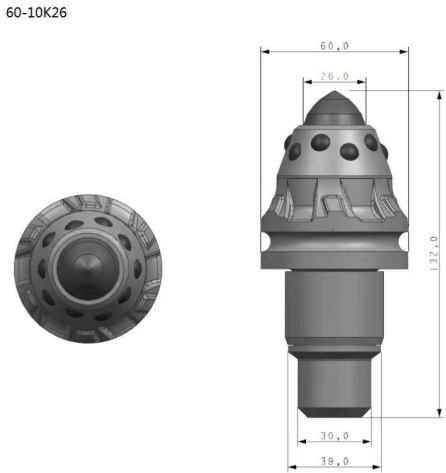
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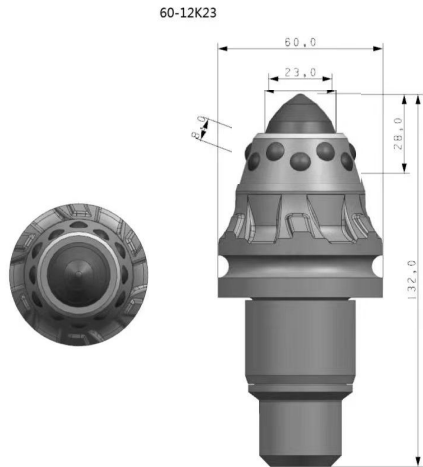


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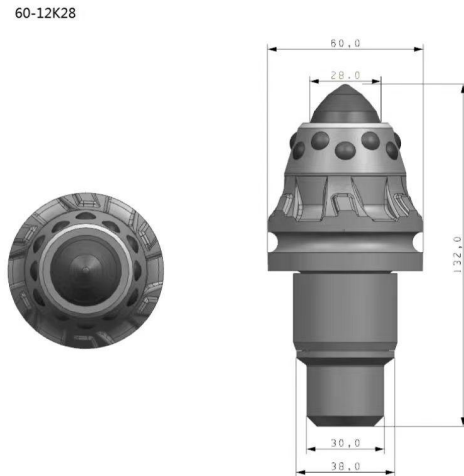
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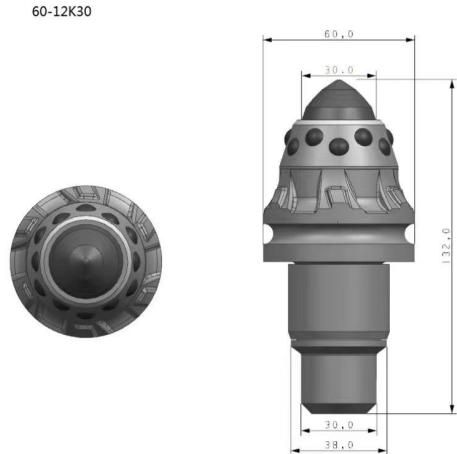
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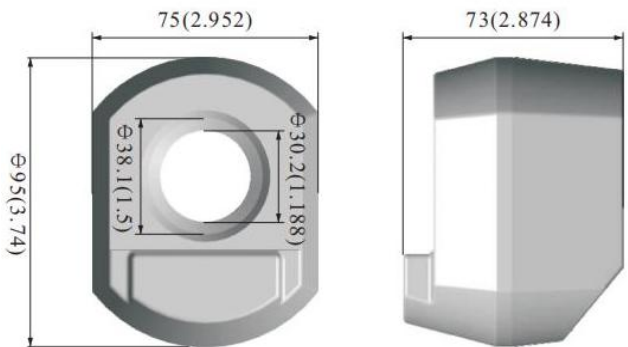


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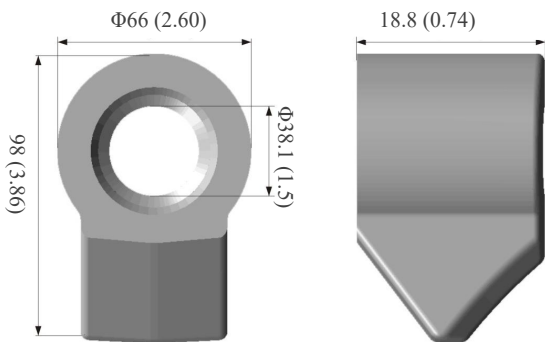


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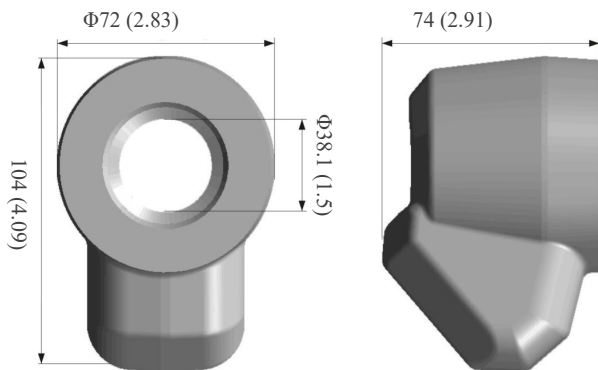
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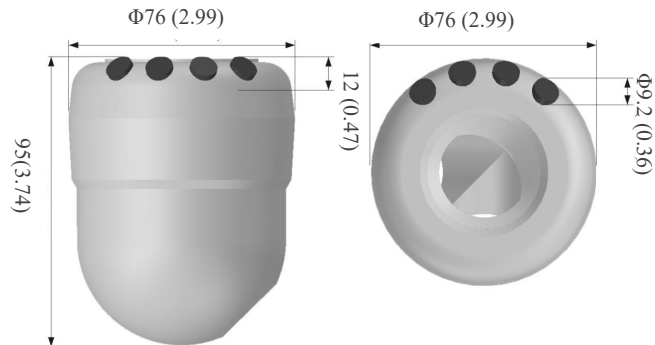
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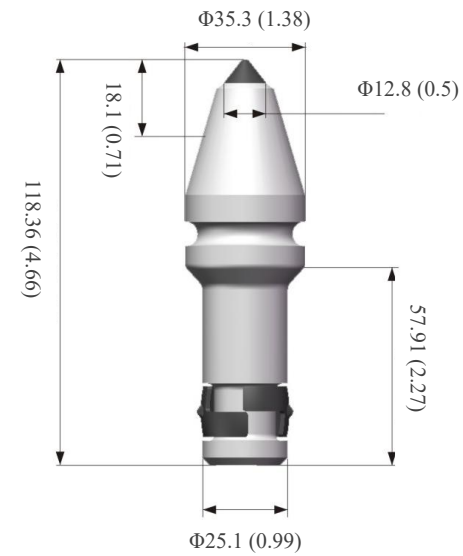


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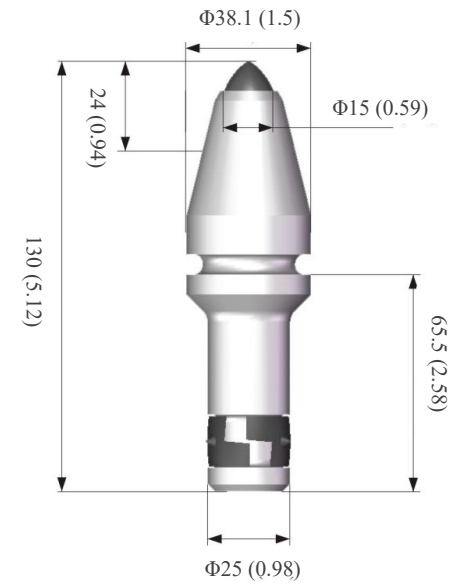


## TEETH

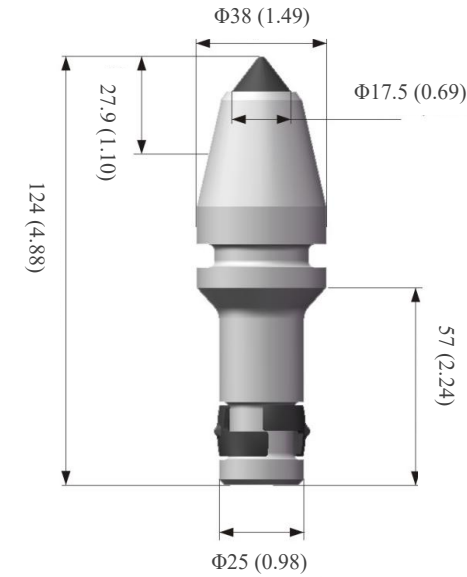
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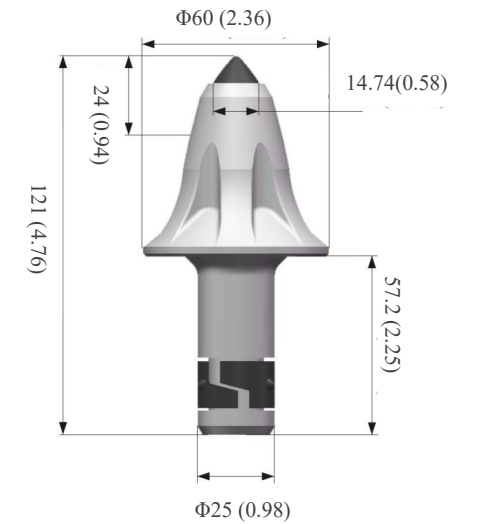
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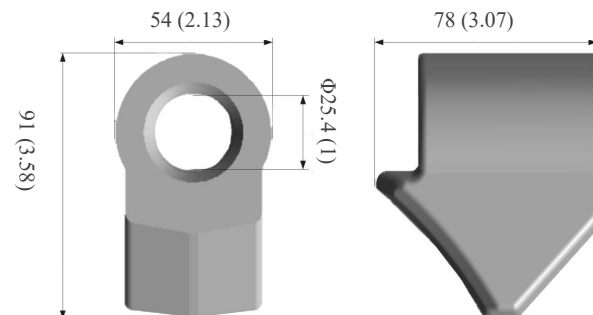


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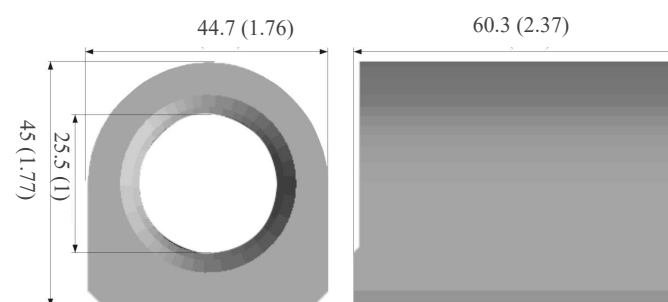


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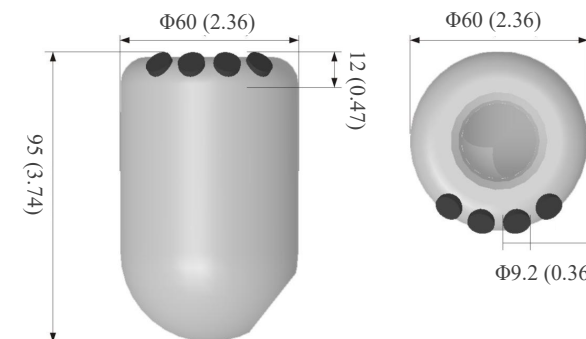
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FES FC30FLAT



FES FC30-2



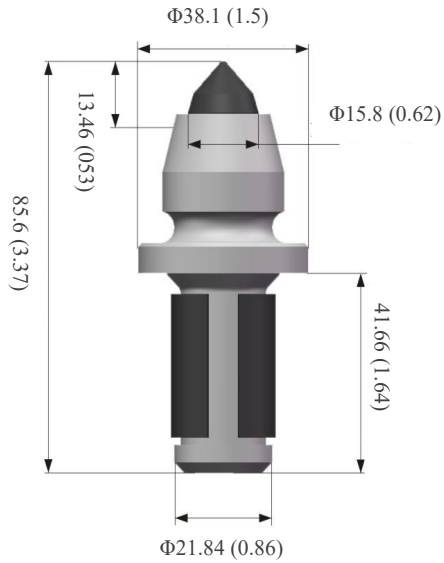
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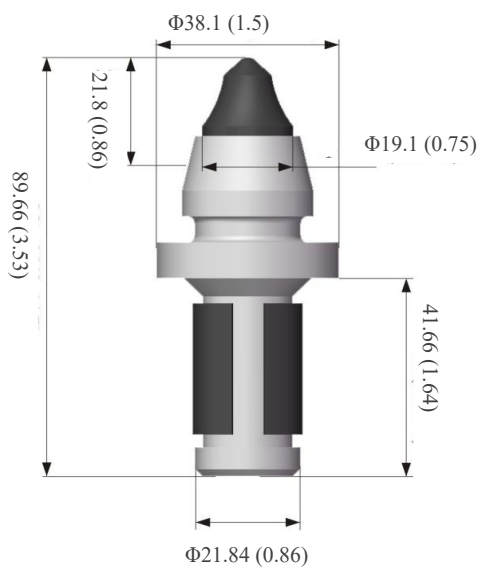


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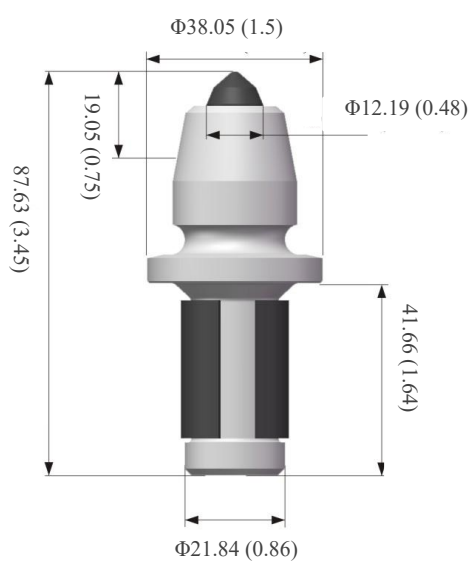
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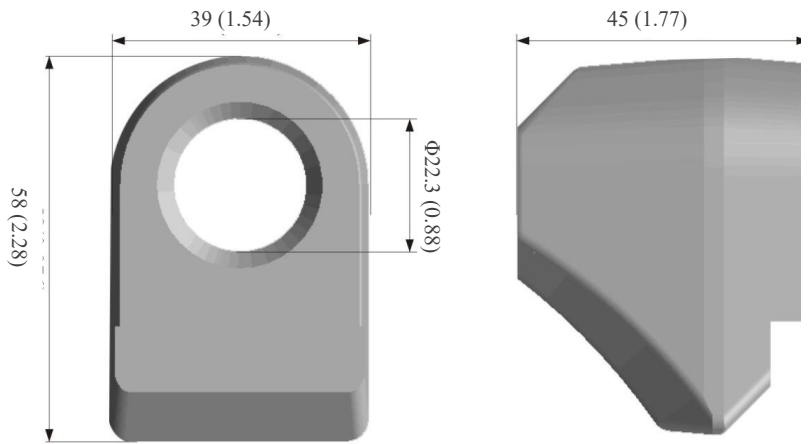


FES FM06



## TEETH HOLDER

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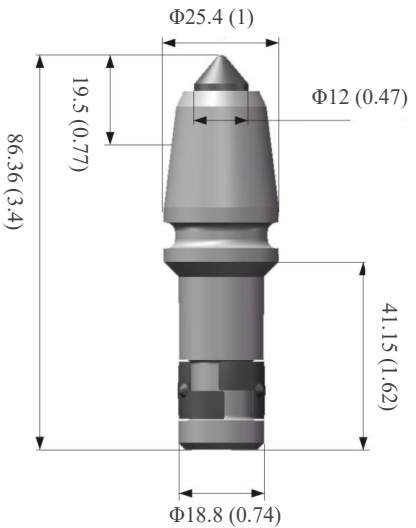


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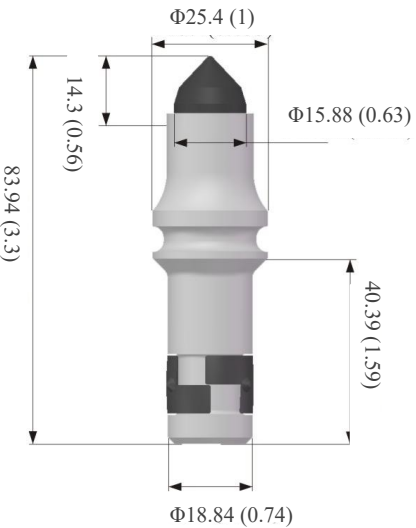


## TEETH

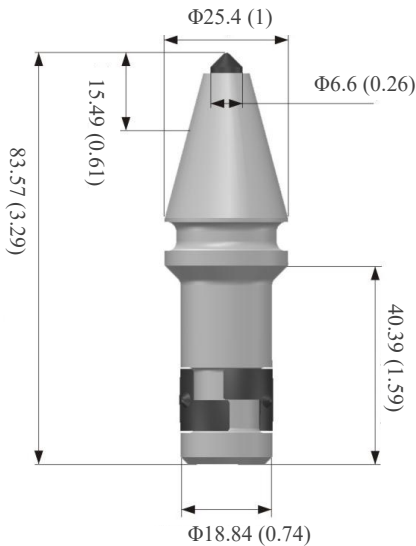
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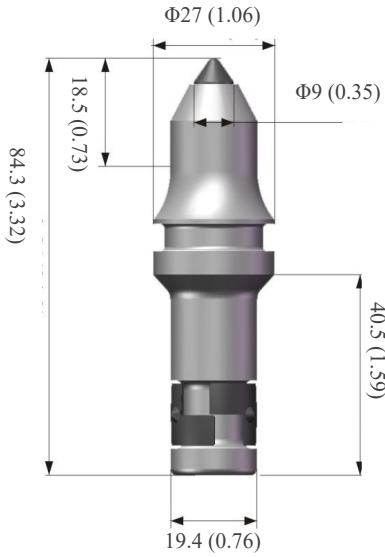
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FES FC24

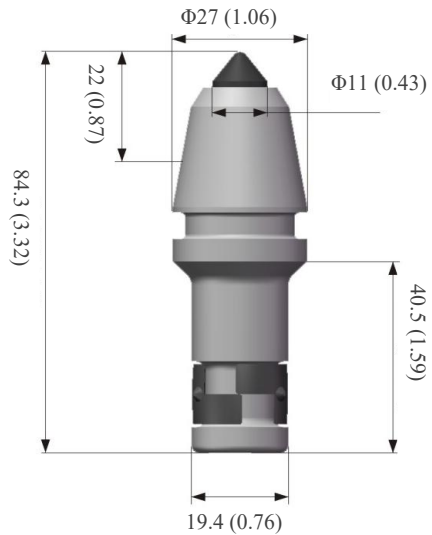


FES FSK15



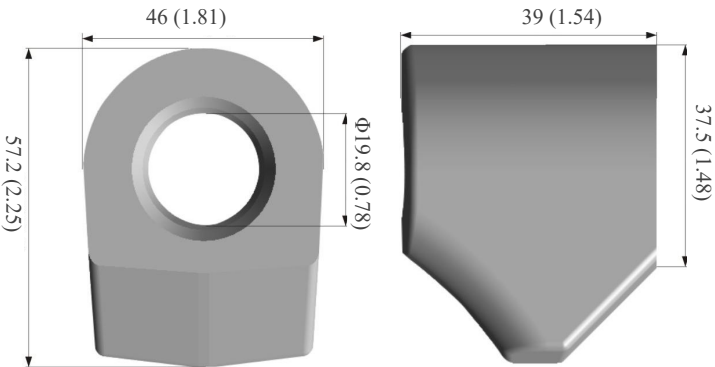
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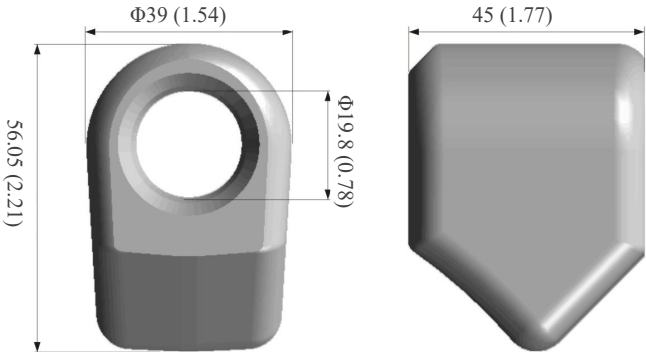


## TEETH HOLDER

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FES FV9

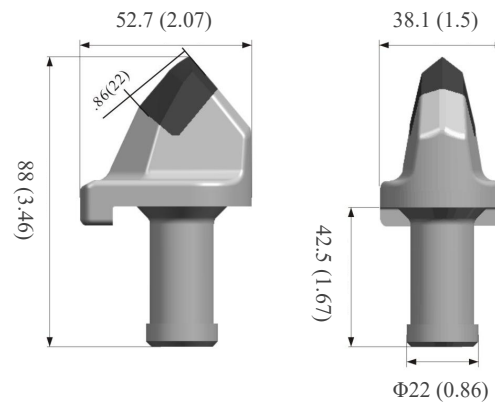


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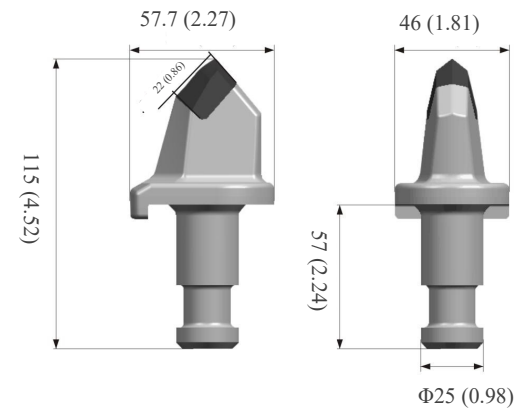


TEETH

| FES | FFR07 |
|-----|-------|
|-----|-------|

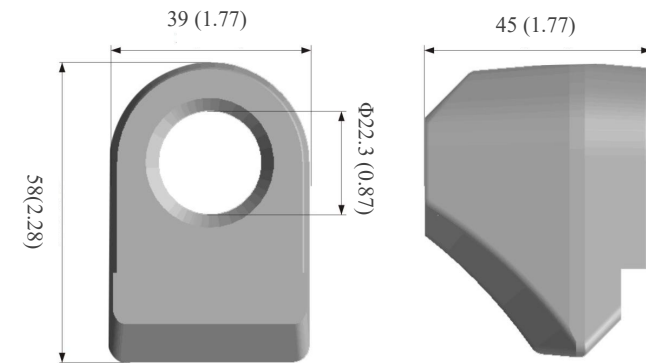


| FES | FFR08 |
|-----|-------|
|-----|-------|



TEETH HOLDER

| FES | FHR133 |
|-----|--------|
|-----|--------|



| FES | FV25 |
|-----|------|
|-----|------|

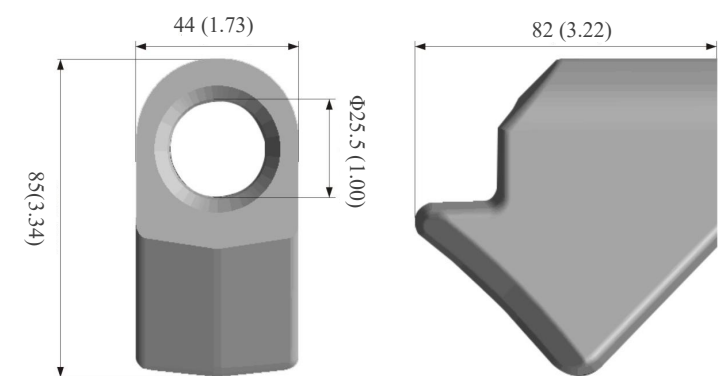


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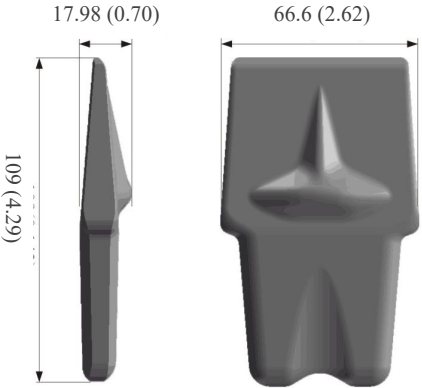




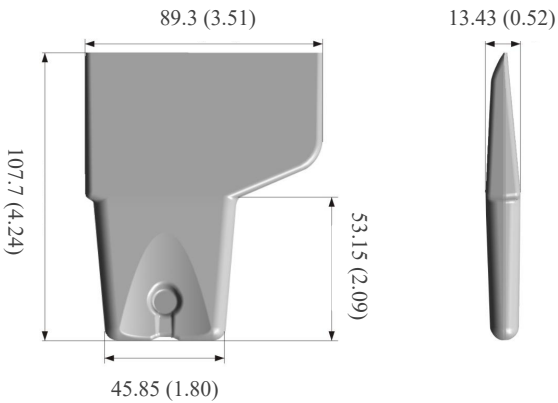
FLAT TEETH

TEETH

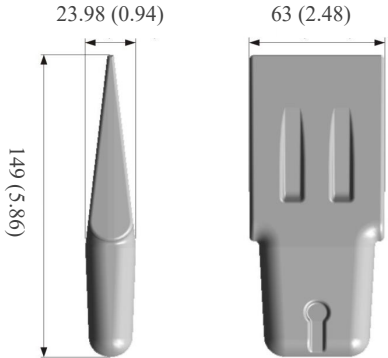
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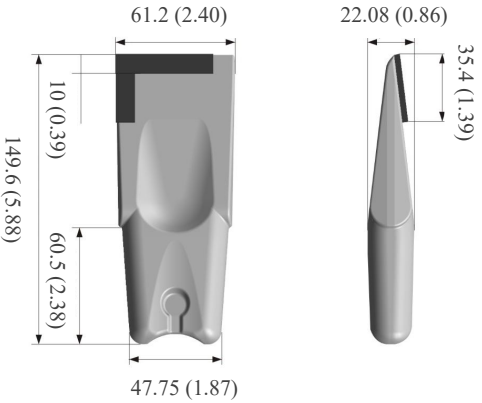
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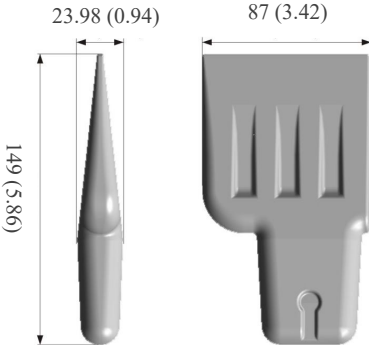


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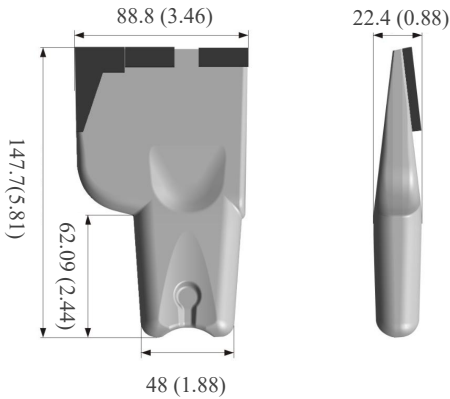


TEETH

FES F211

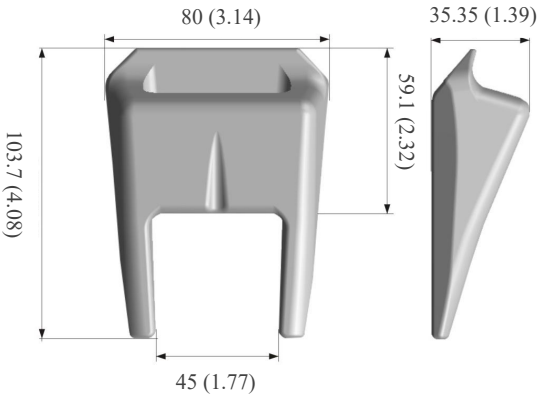


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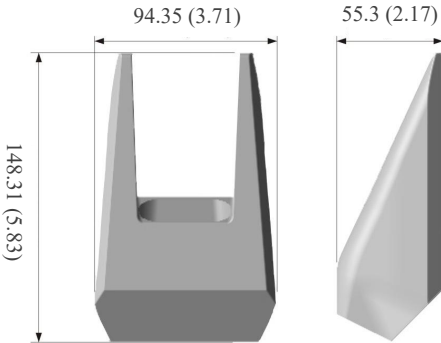


TEETH HOLDER

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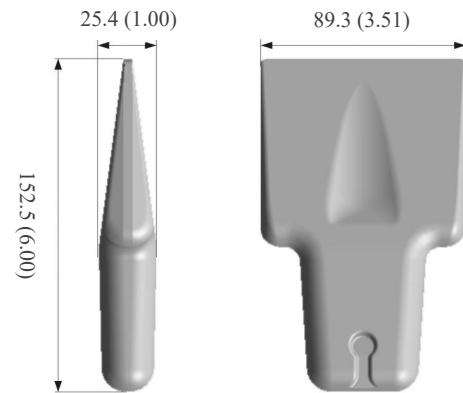


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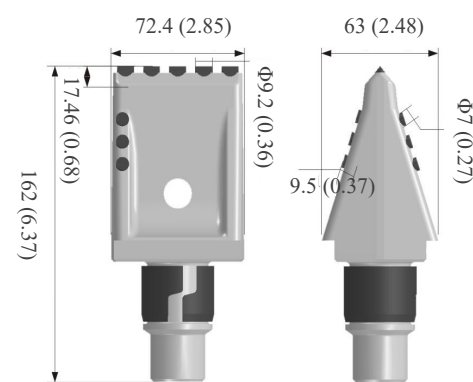


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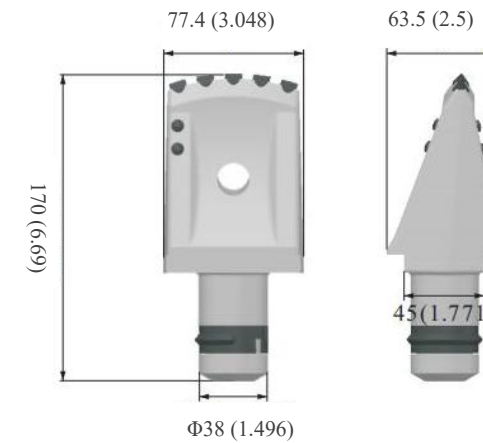
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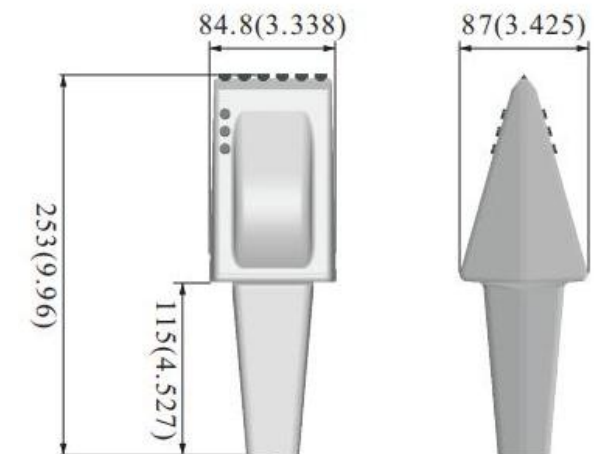
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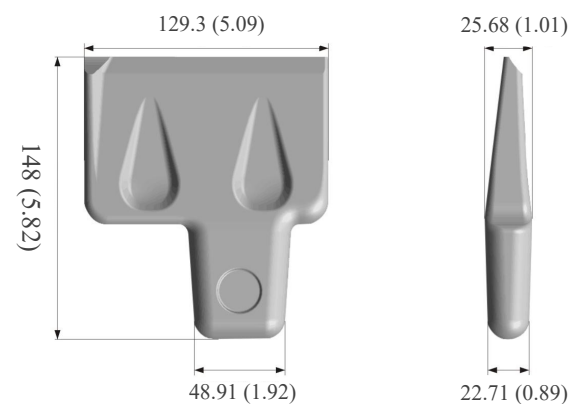


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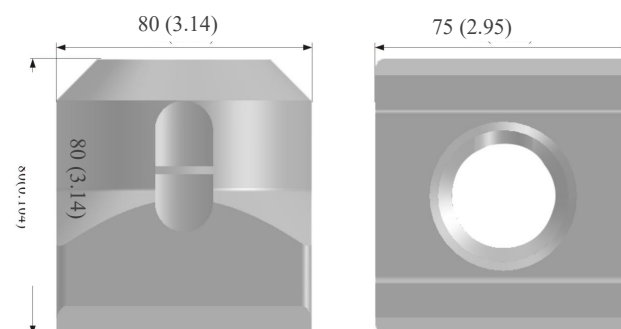
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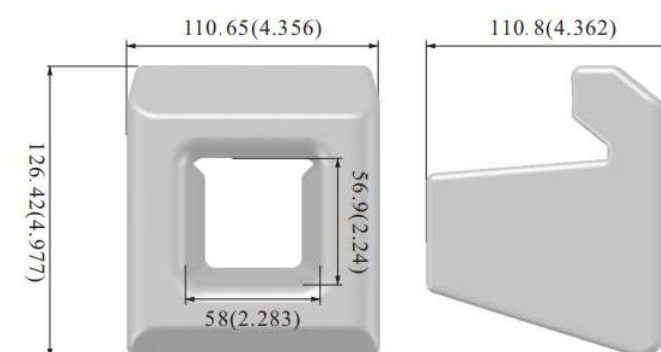


## TEETH HOLDER

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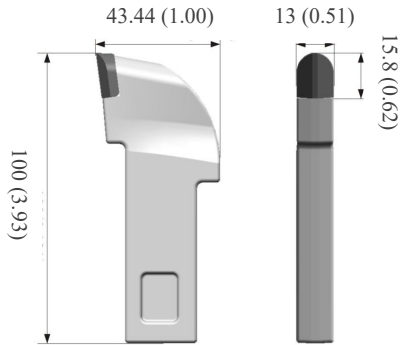


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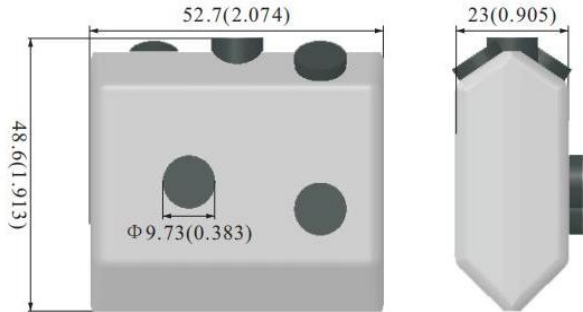


TEETH

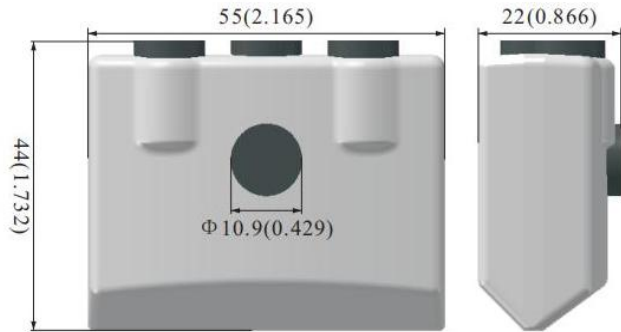
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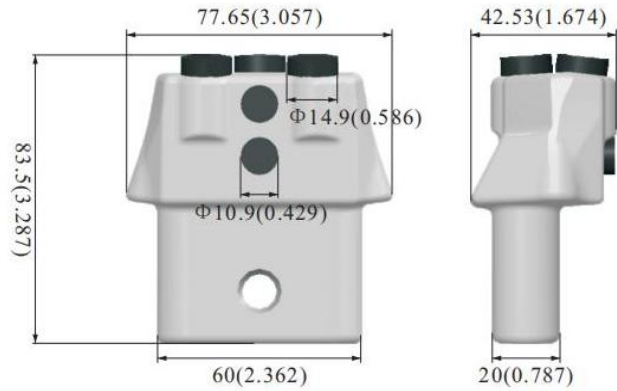
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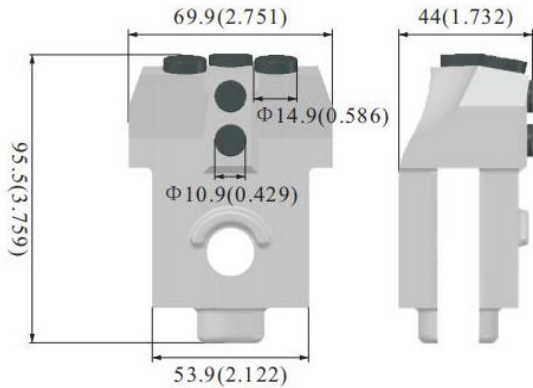


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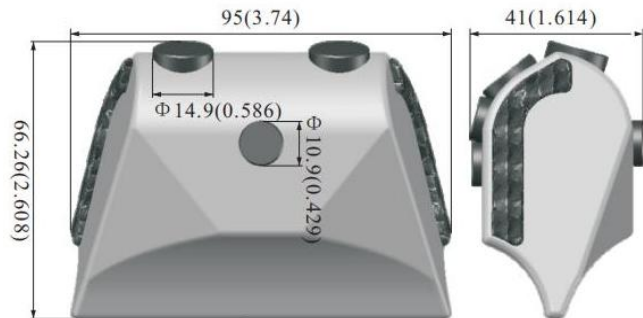


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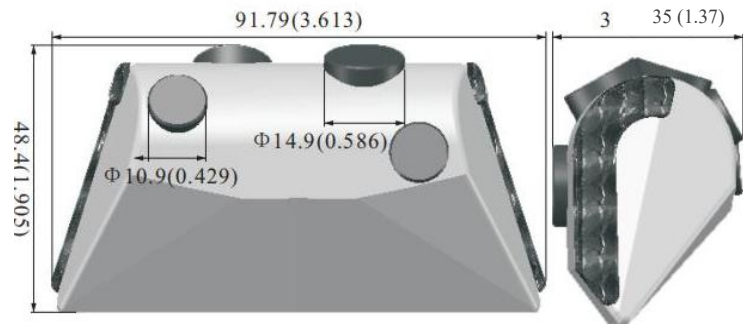
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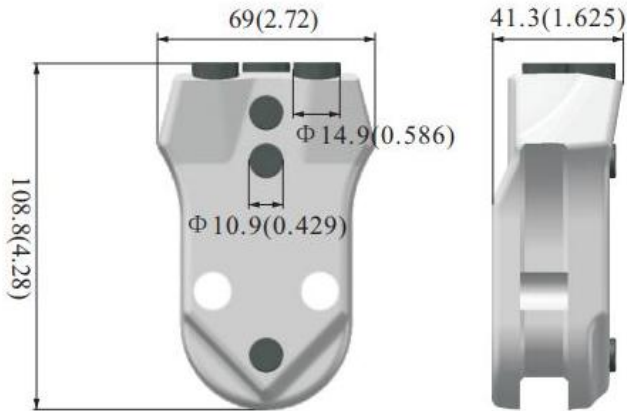
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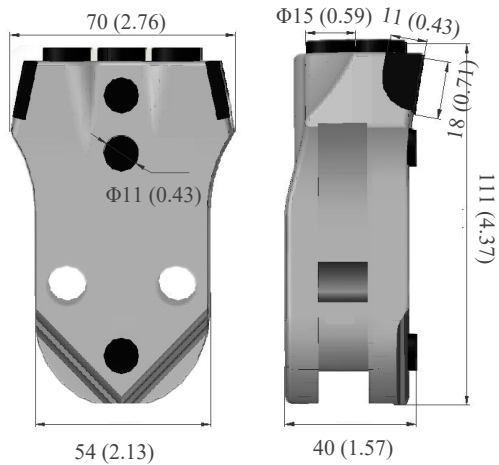


TEETH

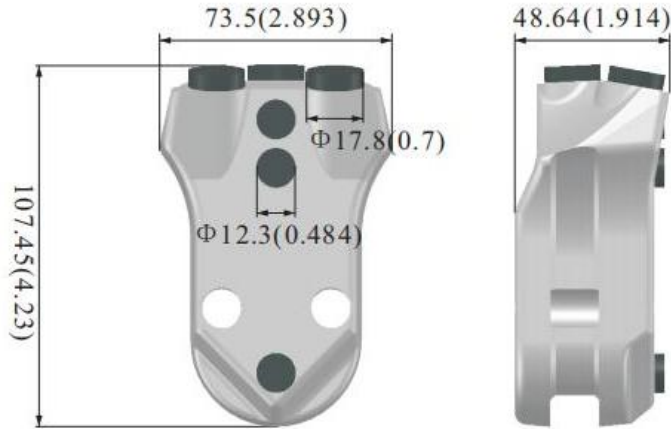
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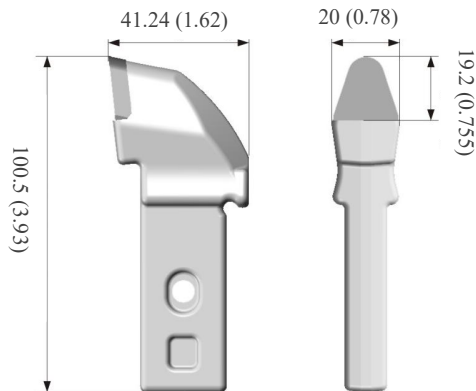
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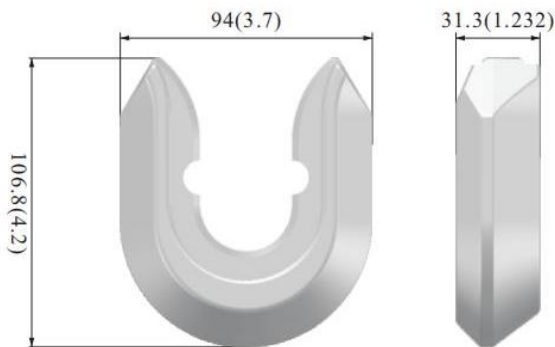


FESFJ2



TEETH HOLDER

FESFH35



FESFJ2 BLOCK

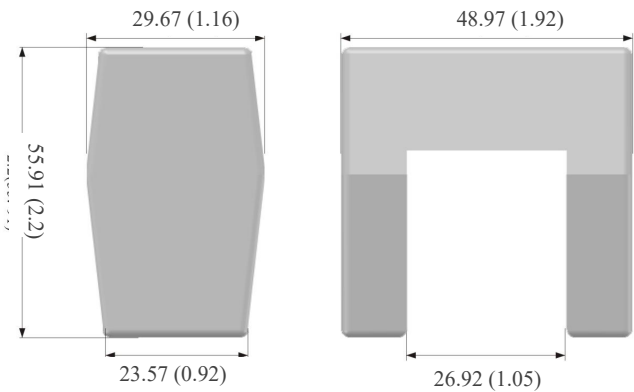


PHOTO GALLERY

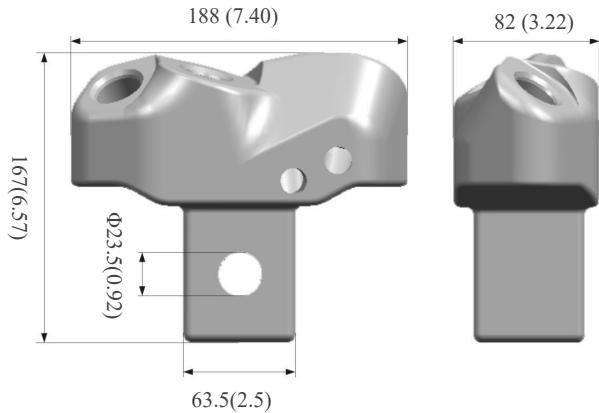


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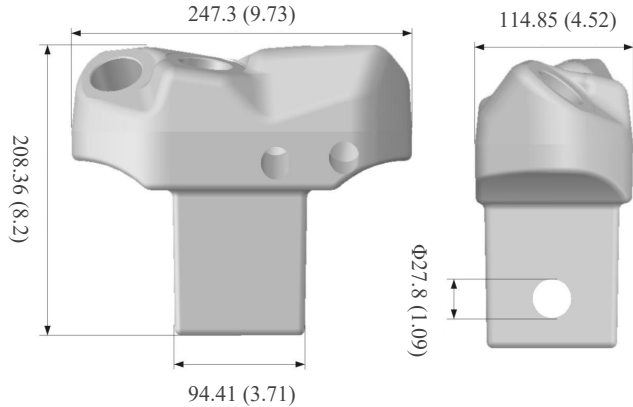
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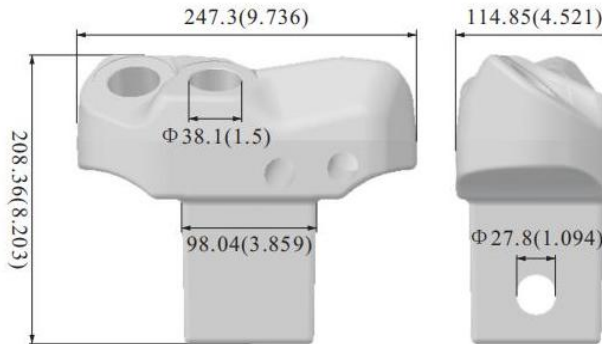
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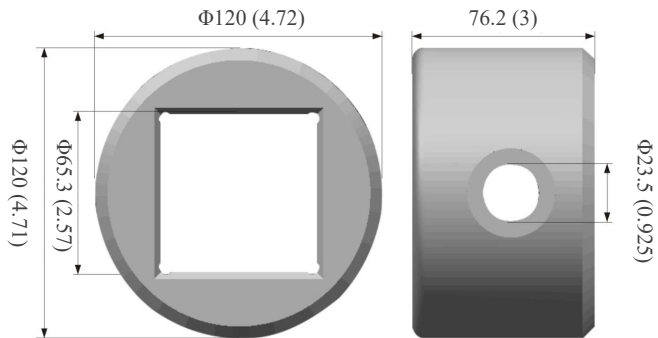


FESFSM4-NEW



PILOT HOLDER

FESFPM23 POCKET



FESFRP4 POCKET

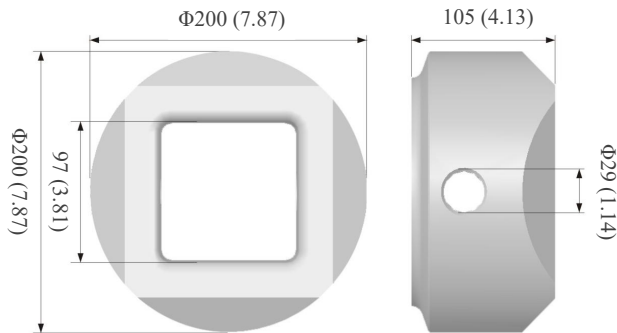
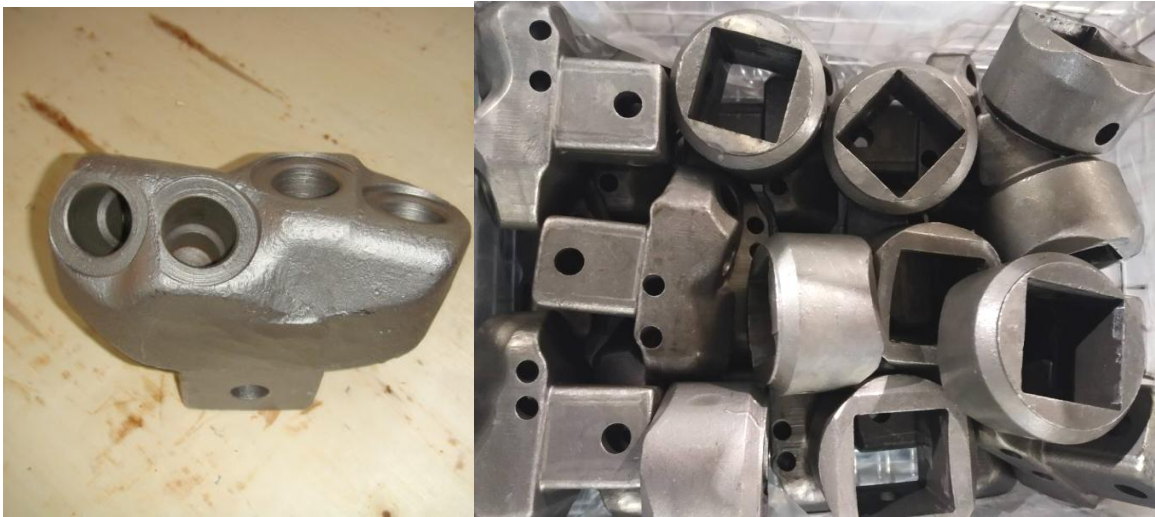


PHOTO GALLERY





TEETH PULLER

FES

SIMPLE TEETH PULLER



FES

HAMMER TYPE TEETH PULLER



FES

FORK TYPE TEETH PULLER





## ROLLER BITS

FES

8 1/2" TYPE A



FES

8 1/2" TYPE B



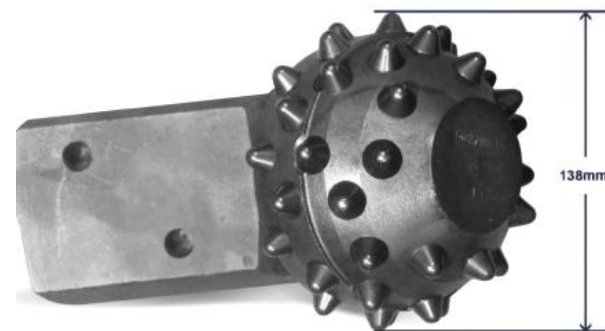
## PHOTO GALLERY



## TEETH

FES

8 1/2" TYPE C

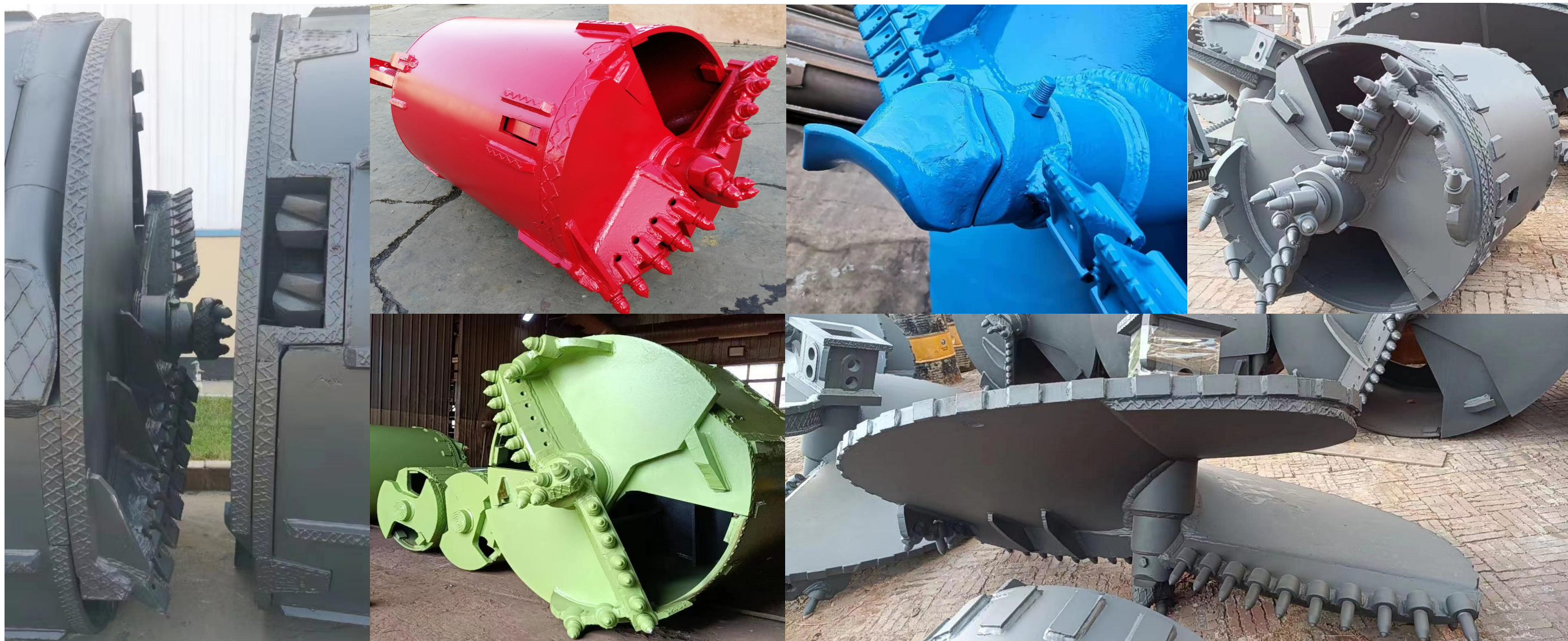


## PHOTO GALLERY





# MORE APPLICATION





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