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SPARKLEARTH

PROFESSIONAL & TIMELINESS

WHETHER OR NOT THEY HAPPENDURING REGULAR BUSINESS HOURS, OUR TEAM WILL HELP YOU AS YOU WISH

Sparklearth is focusing providing our globe clients reliable carbide tools and integrated industry solution. From snow-coverd America to burning hot Africa, from high-altitude mountain to over 1000m deep oil well, our products including traditional carbide button and CNC tips applied to rock drilling (oil or gas exploitation, coal mining etc), stone milling, stone crashing and machining; Also, we offer you the innovative carbide products like our winter road maintainance solution:carbide inserted rubber snowplow cutting edge and cermet CNC tips.



SPARKLEARTH

A BRAND NEW SOLUTION FOR WINTER ROAD MAINTAINANCE

"SPARKLEARTH DEVOTES OURSELVES TO THE REVOLUTION OF WINTER ROAD CLEANING, SAFER ROAD IN WINTER IS OUR TARGET."

• NOISE CONTROL

The conventional rigid cutting edge mainly generates noise by the hard-to-hard contacting between road and snowplows, this noise will deteriorate the working environment of vehicle drivers and bother neighbors along the working area.

Sparklearth solution of snowplow cutting edge applies rubber as the surface of cutting edge instead of steel blades. The rubber blade will lower the noise by replacing the hard-to-hard contact to hard-to-soft contact.



• VIBRATION DAMPING

The application of rubber blade can also reduce the vibration transmitted to the cabin of snow removal vehicle. This characteristic means the Sparklearth cutting edge is very suitable for high load commercial snow removal like cleaning the cover snow on highway or city main roads.

The vibration controlling also increases the lifetime of other components on the cleaning machine indirectly and improves the performance of snow cleaning.



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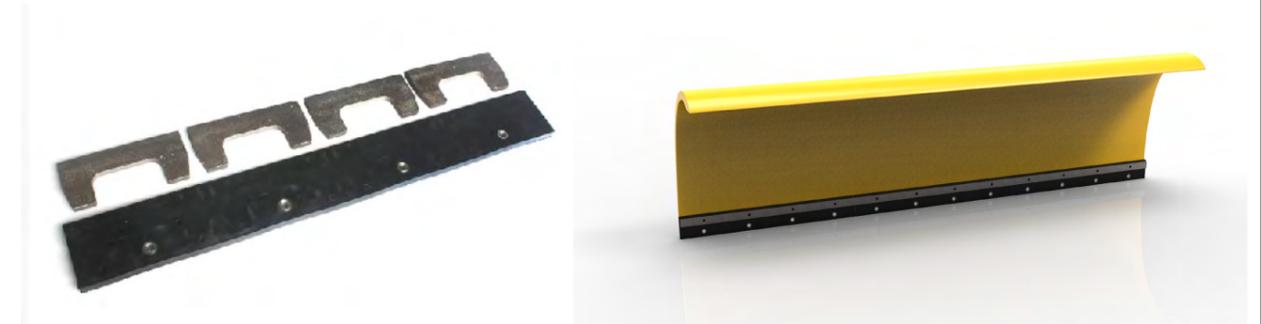
A BRAND NEW SOLUTION FOR WINTER ROAD MAINTAINANCE

"SPARKLEARTH DEVOTES OURSELVES TO THE REVOLUTION OF WINTER ROAD CLEANING, SAFER ROAD IN WINTER IS OUR TARGET."

• MARKS PROTECTION

Traditional rigid cutting edge might damage the bumped road marks during the snow cleaning, the strong working parts will cleaning the cover snow and marks all the way together.

Sparklearth snow cleaning wear parts provides another solution, because the rubber part allows the relatively wide range of deformation, during the road cleaning process, the cutting edge will not damage the road marks unlike the traditional cutting edge.



• HIGHER EFFICIENCY

We offer you the cutting edge with 3" or 4" long with standard installation dimension. You can easily replace your traditional cutting edge to our innovative products.

At the same time, the cutting edge can more strictly fit the profile of road surface and avoid the repetitive operation on one road.

Easily installation and better cleaning performance improve the working efficiency.

SNOWPLOW
BLADE

SNOWPLOW
BLADE INSERT

CARBIDE
BUTTON

CERMET
CNC TIPS

CARBIDE
CRUSHER STRIPS

SPIRAL STABILIZER
INSERTS



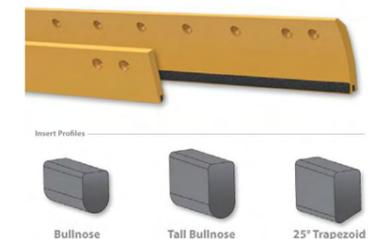
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CARBIDE INSERTS FOR SNOWPLOW BLADE

"CARBIDE TEETH FOR CUTTING EDGE, DESIGN FOR HIGH-LOAD COMMERCIAL SNOW CLEANING, PROMISE YOU THE CLEAN AND SAFE ROAD."

• HEAVY COMMERCIAL USE

Carbide cutting edge is designed for high-load commercial snow removal and the carbide inserts are brazed into the slot of wearing edge, the carbide cutting edge can operate under more terrible road and weather condition and cutting edge inserted by carbide teeth will have higher abrasive resistance which means longer lifetime.



• VARIOUS TYPES

Sparklearth works with experienced partner in China who has over 30 years history in carbide industry to offer you this excellent products, our product line contains all the shapes of carbide teeth including the 10 most widely used types such as 25° trapezoid, bullnose and 40° trapezoid.



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SPARKLEARTH CARBIDE BUTTON: CARBIDE STONE CUTTER

"HIGHER EFFICIENCY FOR ENGINEERING TEAM, LOWER COST FOR MANAGING TEAM, RESULT IN BETTER COMPANY BENEFITS."

- **REPLACABLE**

Carbide button is inserted on the top of tools, it is the main wear parts during the stone and rock peeling process. The high hardness and high strength carbide button will cut off the surface of rock, after the damage of head of carbide button, it is very easy to replace the weared teeth and without change another rotating drum.



- **RELIABLE PERFORMANCE**

Sparklearth select the most celebrated raw materials suppliers in China and we involved in every single process of manufacturing, applied advanced drying and sintering technology to ensure the final products quality.



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SPARKLEARTH ROAD MILLING PICKS

"SPECIFICLY DESIGN AND OPTIMIZED FOR ROAD MILLING OPEARTION."

• INTELLIGENT CARBDIIE SHAPE

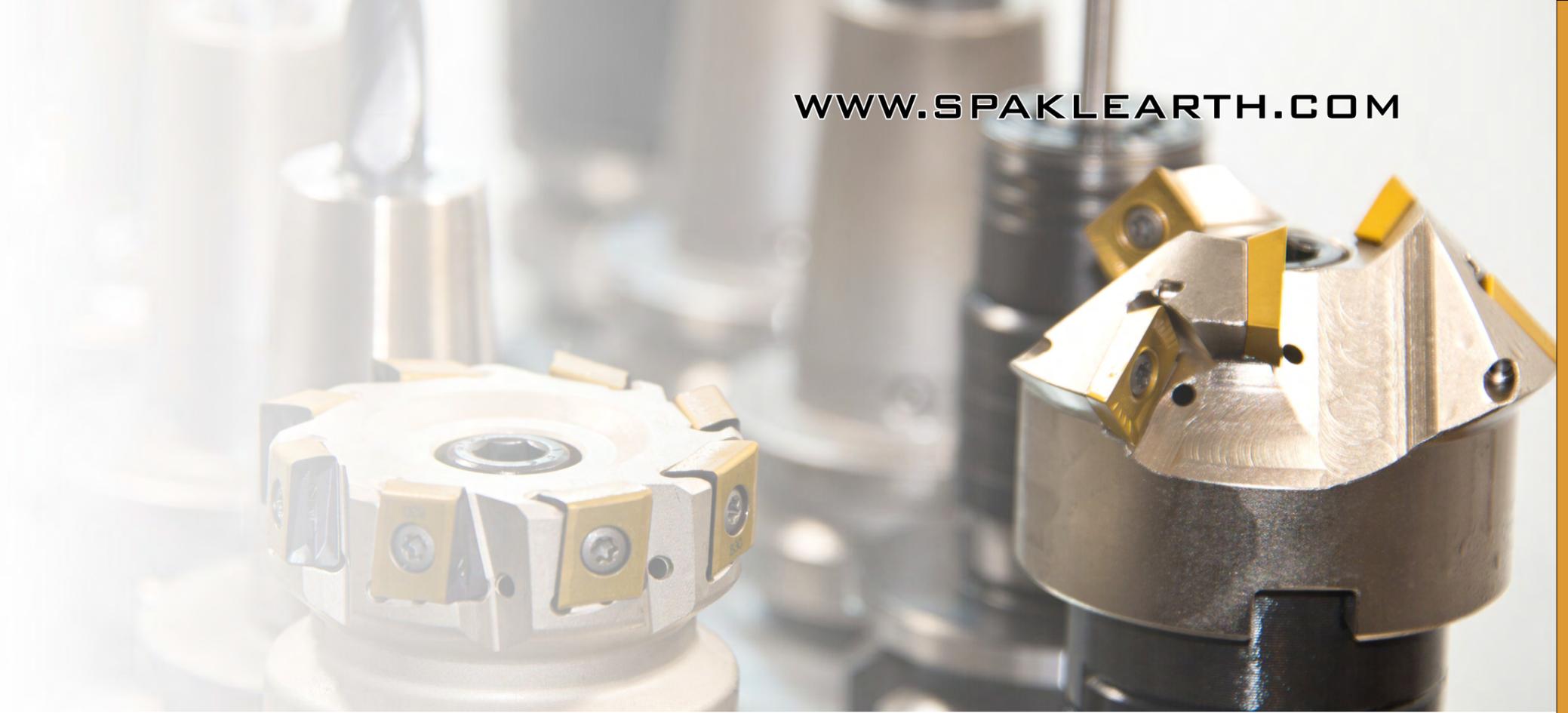
Increased carbide volume in the wear critical cutting area for long-lasting, high penetration and maximum productivity. More intelligent carbide shape for effective utilisation of the carbide with minimum remaining residual carbide.



• RELIABLE PERFORMANCE

Enlarged centring cone of the wear plate for reduced bore wear in the toolholder leads to optimised rotation behaviour of the toolholder lifetime. Reinforced and rugged wear plate for maximum protection against wear of the toolholder. Improved resistance to breakage of the pick shank due to an aligned stop positioning of the twin-stop clamping sleeve.

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ROAD MILLING PICKS
CERMET CNC TIPS
CARBIDE CRUSHER STRIPS
SNOWPLOW BLADE INSERT
SNOWPLOW BLADE



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SPARKLEARTH CERMET CNC TIPS

"INNOVATION ALLOWS US TO OFFER OUR GLOBAL CUSTOMERS STRONG AND ACCURATE CUTTERS FOR MACHINING INDUSTRY."

- **EXTENDED LIFETIME**

Cermet is the new type of hard alloy, it has the advantage of metal and ceramic, high hardness and high strength are the characteristics of it. Differ from traditional carbide tips, the cermet tips relies on some of additives, this technology allows the tips have the totally different performance compared with carbide tips and it will have the better operation performance during the metal machining.



- **MUTIPLE TYPES**

Sparklearth offers your the entire product line of cermet CNC tips, it contains the standard and non-standard tips, also, the coated products are available in Sparklearth if you wish.



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SPARKLEARTH CARBIDE STRIP FOR STONE CRUSHER

"INDUSTRY HIGH EFFICIENCY RESULTS IN OUR BEAUTIFUL LIVES, AND SPARKLEARTH HELPS THE INDUSTRY TO BECOME HIGHER-EFFICIENCY."

• TEETH FOR CRUSHER

Carbide strips are the wear parts of stone crushers, this kind of machine uses the high strength and hardness to crush the stones into pieces to meet the requirements of different industries. So, the carbide strips like the human's teeth of crusher to smash the stones.



• MULTIPLE TYPES

These strips are welded in the slot of hammer base as the wear parts, the application of carbide strips enhanced the strength of crusher hammer and lower the replacement frequency of wear tools.



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SPIRAL STABILIZER INSERTS FOR OIL EXPLOITATION

"BLACK BLOOD OF INDUSTRY REQUIRES TEETH OF INDUSTRY TO MAKE IT AVAILABLE."

- **STABILIZE THE DRILLING BIT**

During the oil exploitation, the drilling bit usually works over several meters under the ground, this dramatic depth would lower the strength of drill pipes and leads to undesired well drilling fail. The carbide inserts are welded on the body of stabilizer to support the long drill pipe.



- **CARBIDE INSERTS**

The carbide inserts are welded on the wearing surface of stabilizer to support the extremely long drill pipe, this means the wearing surface of stabilizer will contact the earth directly and resist the deformation of drill pipe. So the carbide wear parts become to an ideal solution of this application.

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