



Cemented Carbide Mining Bits



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Coal mining pick

Mining picks are one of the vulnerable components in coal mining and roadway excavation machinery, serving as primary tools for coal cutting and crushing. They are widely used in coal mining, tunnel driving, and related fields. There are various types of mining picks, typically structured with a low-alloy structural steel body that undergoes quenching and tempering treatment, onto which a hard alloy tip is brazed. During operation, mining picks endure high cyclic compressive stress, shear stress, and impact loads. Their performance directly affects the productivity of mining machinery, power consumption, operational stability, and the service life of other related components. Consequently, picks with high strength and superior wear resistance are critical to ensuring uninterrupted production while reducing production and maintenance costs.



According to the requirements of China's 12th Five-Year Plan for the development of the coal industry, by 2015, the country will establish 10 ultra-large coal enterprises with annual capacities exceeding 100 million tons and 10 super-large coal enterprises with annual capacities of 50 million tons. Additionally, the national mechanization rate of coal mining is expected to surpass 75%, with 60 coal mines achieving an annual production capacity of 10 million tons.

It is foreseeable that high-strength, high-wear-resistant mining picks will see broader application, which will not only significantly advance the realization of these planning objectives but also substantially enhance production efficiency and safety assurance levels in China's coal mining industry.



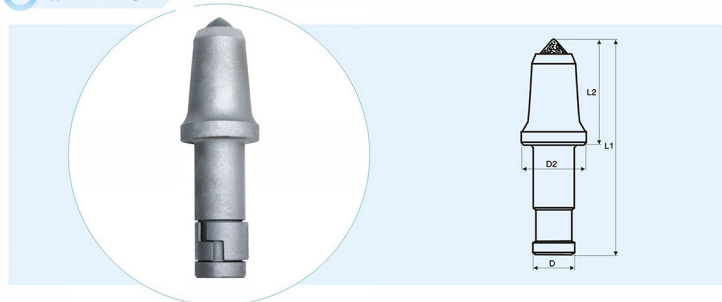
Coal cutter pick

The series of mining picks can be widely applied to roadheaders, shearers, continuous miners, and other equipment, and can be custom-designed and manufactured to meet specific customer requirements and various cutting conditions.

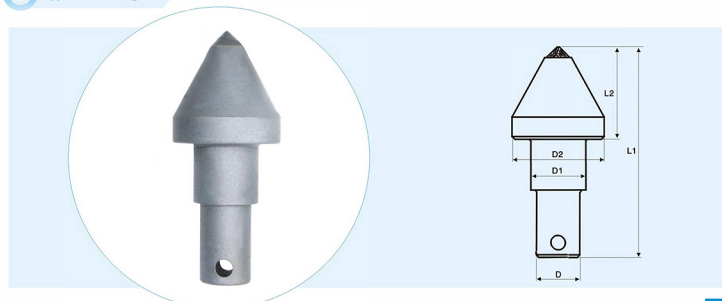
Characteristics

- 1 The product utilizes premium carbide tips, high-grade alloy steel, and specialized high-performance brazing alloys and fluxes as core raw materials.
- 2 The products are manufactured with advanced automated continuous welding and precision heat treatment processes.
- 3 The product exhibits high strength, superior wear resistance, and excellent cost-effectiveness.
- 4 Enhance your production efficiency, reduce downtime, and lower operational costs.

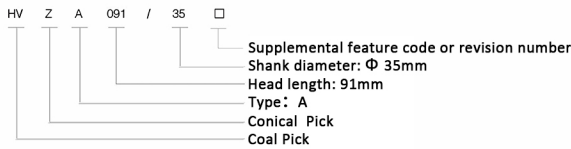
A Type A Mining Pick



B Type B Mining Pick



Model Example Description:



Model	Type	Total length L ₁ (mm)	Head length L ₂ (mm)	Head diameter D ₂ (mm)	Shank diameter (mm)		Market-Standard Model
					D	D1	
HVZA100/30	A	128	100	38	30	—	U44
HVZB074/30	B	151	74	55	30	38	U47
HVZA206/50	A	206	—	50	50	—	U50
HVZA057/38	A	149	57	50	38	—	U49
HVZA063/25	A	129	63	45	25	—	U76
HVZA077/30	A	173	77	52	30	—	U82
HVZA088/30	A	162	88	50	30	—	U85
HVZA081/30	A	153	81	50	30	—	U84
HVZA069/35	A	196	69	55	35	—	U90
HVZA100/35	A	193	100	55	35	—	U92
HVZA091/35	A	183	91	55	35	—	U94
HVZA072/35	A	166	72	55	35	—	U95
HVZB131/35	B	252	131	61	35	43	U170
HVZA080/34	A	146	80	55	34	—	S100
HVZA069/30	A	142	69	55	30	—	S120
HVZB074/30	B	151	74	55	30	38	S160
HVZA088/38	A	170	88	60	38	—	S200



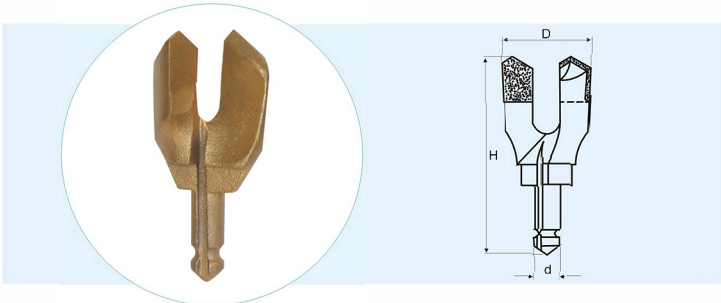
Application of Thermal Spraying Technology in Mining Picks

The company can select its self-developed high-quality wear-resistant materials based on user requirements, which are spray-coated onto the head of the cutting pick. This effectively enhances the wear resistance of the pick head, prolongs its service life, and reduces operational costs.

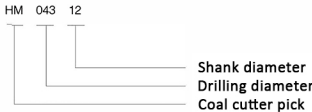


Coal cutter pick

Coal drill bits are categorized into dry type and wet type, primarily used for rotary drilling in coal seams and soft rock formations. Featuring a simple connection method, they offer advantages such as fast drilling speed, wide drilling range, and robust durability.



Model Example Description:



Specifications and Models Catalog

Model	Dimension (mm)		
	D	d	H
HM04312	43	12	95
HM05212	52	12	100

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Disclaimer:
The product images, drawings, and parameters listed in this catalog are for reference only and shall not serve as the basis for ordering. All specifications are subject to the final purchase contract.

Our Capabilities:
Equipped with a complete production system spanning mold design to finished product manufacturing, we specialize in designing and producing mining picks and coal drill bits in various shapes and specifications tailored to clients' operational requirements. For inquiries, please contact us.

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