

开山辟地 澳德钻具最锐利

AODE premium-quality cutting tools

不是第一、是唯一研发生产高端截齿最大基地

One of largest research and development production bases of high-end cutting picks



Aode is a leading manufacturer of mining machine accessories for over 15 years, which specializes in cutting picks/holders/sleeves and drill bits/rods, etc. Our company has successively passed the ISO9001, IATF16949 quality system certification and the ISO14001, ISO45001 occupational health and environment system certification. And we also have many domestic and international patents. Every year we invest more than 2 million dollars in product R&D.

Aode is committed to safe production and service, and aims to improve the efficiency of mining operations in the condition of sustainable development. Aode is looking forward to establishing long-term cooperation with our partners from all over the world who are committed to mining safety and sustainability.

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中国高端截齿制造商

China High-end Cutting Picks Manufacturer

军工企业军工技术

Military industry technology



安徽澳德矿山机械设备科技股份有限公司

Anhui Aode Mining Machinery & Equipment Technology Co., Ltd.

产品应用

Product Application



特点 Characteristics



截齿是采煤机和掘进机的直接切割刀具，工作条件非常恶劣，在使用过程中受到煤层或岩石的摩擦和冲击作用，一般工作寿命都比较短，其主要失效形式是因为截齿头部齿体磨损过快导致合金头脱落或者是齿体抗弯性能差在受强力作用下弯曲或折断。

Cutter tooth is direct cutting of coal winning machine and boring machine, working condition is very poor, in use process of coal or rock friction and impact, the average working life is relatively short, its main failure forms because cut head tooth wear body too cause alloy head falls off or is under strong teeth bending performance is poor in body bent or broken.

- ① 截齿的耐磨性能显著提高，使用先进的等离子熔覆强化技术在截齿头部熔覆一层高硬度金属陶瓷层，该金属陶瓷层具有硬度高、韧性好、耐磨耐冲击等特点，很好的保护了截齿齿体头部，降低了头部齿体磨损速度，使齿体与合金头同步磨损，达到了最优配合。

Wear-resisting performance improved significantly, the use of advanced plasma cladding reinforcement technology in a high hardness metal ceramic cutter tooth head cladding layer, the metal ceramic layer has high hardness, good toughness, wear resistance, hit-resistance and other characteristics it well protected the head of the cutting teeth, head tooth body wear rate reduced to synchronize the tooth body and alloy head wear, reached the optimal coordination.

- ② 抗弯性能显著提高。根据截齿在使用过程中的断裂部位及弯曲情况。使用先进的分析软件 ANSYS 对截齿进行了使用过程受力破坏计算机模拟分析，并根据分析结果研发出了独特的热处理工艺等生产加工工艺。使齿体的整体抗弯能力及齿柄的表面强度得到了很大提高，保证了截齿的正常使用。

The bending performance improved significantly. According to the cutting tooth in the process of fracture area and bending condition. Use of advanced analysis software ANSYS in the process of stress in cutting tooth in computer simulation analysis, and according to the results of the analysis has developed unique heat treatment process such as production and processing technology. Make the overall flexural capacity of the tooth body and tooth surface of the handle strength has been greatly improved, to ensure its normal use.

- ③ 使用过程中“不产生火花”。普通截齿在使用过程中特别是割岩石过程中会产生大量的火花，给煤矿生产带来了极大的安全隐患。我公司生产的等离子熔覆一层高硬度的金属陶瓷层，该陶瓷层使截齿在使用过程中产生的火花量减少了 90% 以上，极大的提高了煤炭开采的安全性。

No sparks in the using process. Normal section tooth in use process, especially in the process of rock cutting will produce a lot of sparks, brought great potential safety hazard to mine production. Our company produces the plasma cladding layer hardness of metal ceramic layer, the ceramic layer makes the cutting tooth in the process of using sparks to decrease by more than 90%, greatly increase the safety of coal mining.

U135



【 Super Wear Resistant U135 With Wings 】

【 U135(A) 】

【 U135(B) 】

U47



【 U47(A) 】

【 U47(B) 】

S100



【 S100 】

S120



【 S120(A) 】

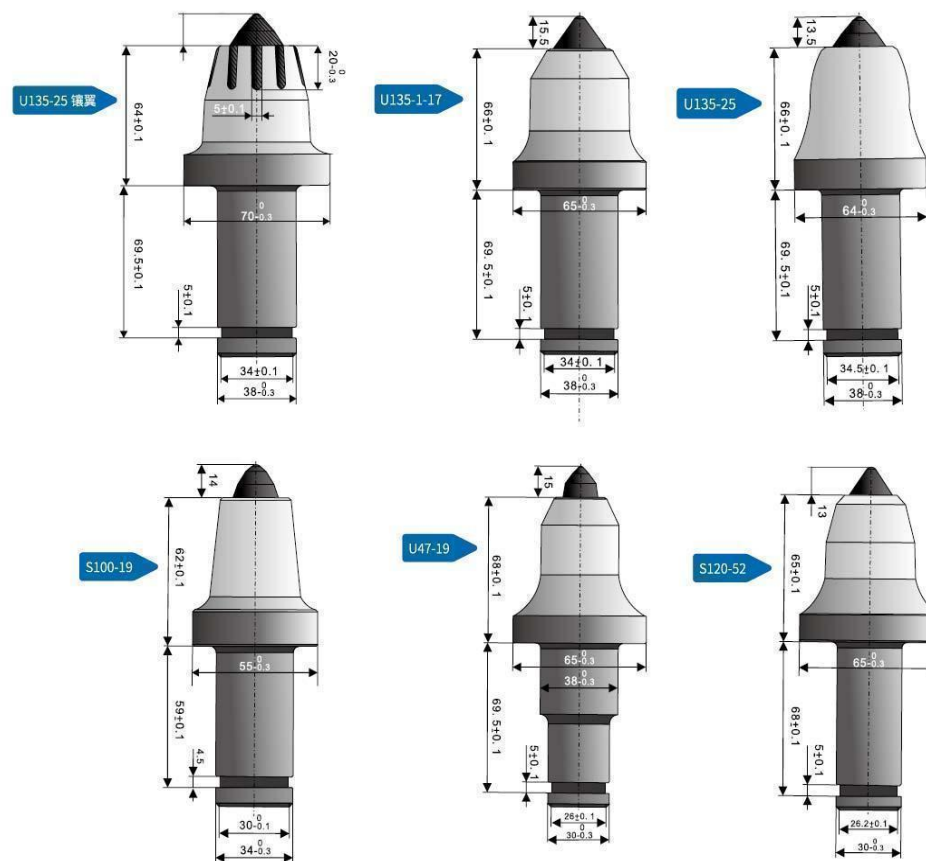
【 S120(B) 】



【螺旋形 135】

Product Series VS Rock Hardness

Series	Part No.	Diameter			Length				Rock Hardness			
		Collar	Shank	Clip	Overall	Head	Shank	Clip	F3-F5	F5-F8	F8-F12	F13-F15
"No Spark" Series	ADU135-25NS	64	38	34	156	79	77	5		✓		
	ADU135-17NS	64	38	34	158	80	78	5			✓	
	ADU135-30NS	70	38	34	157	80	77	5			✓	
	ADU135-33NS	70	38	34	158	80	78	5				✓
	ADU135-40NS	80	38	34	156	81	75	5				✓
Wear Resistance Layer Series	ADU135-17NS-L	65	38	34	165	79	86	5				✓
	ADU135-17WRL	64	38	34	158	80	78	5			✓	
	ADU135-30WRL	70	38	34	157	80	77	5				✓
	ADU135-33WRL	70	38	34	158	80	78	5				✓
	ADU135-40WRL	80	38	34	156	81	75	5				✓
Wings Series	AODEU135	64	38	34	157	80	77	5			✓	
	ADU135-25WS	64	38	34	155	78	77	5			✓	
	ADU135-17WS	64	38	34	157	78	77	5			✓	
	ADU135-30WS	65	38	34	157	79	75	5				✓
	ADU135-33WS	80	38	34	156	79	77	5				✓
	ADU135-25WS	64	38	34	155	78	77	5			✓	
	ADU135-30Z	65	38	34	154	79	75	5			✓	
Spiral Series	ADU135-30SPM	65	38	34	157	80	77	5			✓	
Umbrella Series	ADU135HD-14UL	70	38	34	158	80	78	5			✓	
	ADU135-25UL	64	38	34	156	79	77	5			✓	



采煤机截齿系列

Shearer Cutting Picks Series



U84

【U84】

Product Series VS Rock Hardness

Series	Part No.	Diameter			Length				Rock Hardness			
		Collar	Shank	Clip	Overall	Head	Shank	Clip	F3-F5	F5-F8	F8-F12	F13-F15
"No Spark" series	ADU84-22NS	51	30	26	142	70	72	27		√		
	ADU84-25NS	50	30	26	142	70	72	27		√		
	ADU85-19NS	54	30	26	158	82	76	5	√			
	ADU85-22NS	54	30	26	159	85	74	5		√		
Wear Resistance Layer Series	ADU84-25WRL	50	30	26	142	70	72	27			√	
	ADU84-52WRL	50	30	26	152	79	73	27		√		
	ADU82-16WRL	51	30	26	153	81	72	27	√			
	ADU82-18WRL	51	30	26	153	81	72	27	√			
	ADU82-19WRL	51	30	26	151	89	62	27	√			
	ADU85-19WRL	54	30	26	158	82	76	5	√			
	ADU85-22WRL	54	30	26	159	85	74	5	√			
Wings Series	ADU84-22WS	50	30	26	142	70	72	28	√			
	ADU84-25WS	50	30	26	142	70	72	27		√		
Spiral Series	ADU84-28WS	50	30	26	140	68	72	27		√		
Standard Series	ADU84HDLR-19SD	51	30	26	144	71	73	27	√			
	ADU85-B-16SD	54	30	26	157	82	76	5	√			
	ADU85-12.SSD	54	30	26	157	82	76	5	√			

U84



【螺旋形 84】
U84 Spiral Grooved

U95



【U95 无火花耐磨激光熔覆型】
U95 no spark wear resistant laser cladding type

95#



【螺旋形 95】
U95 Spiral Grooved

U170



【U170】

95#



【镶翼型 95】
U95 Carbide Embedded

55 型刀齿



【55 型刀齿】
55 Type cutter

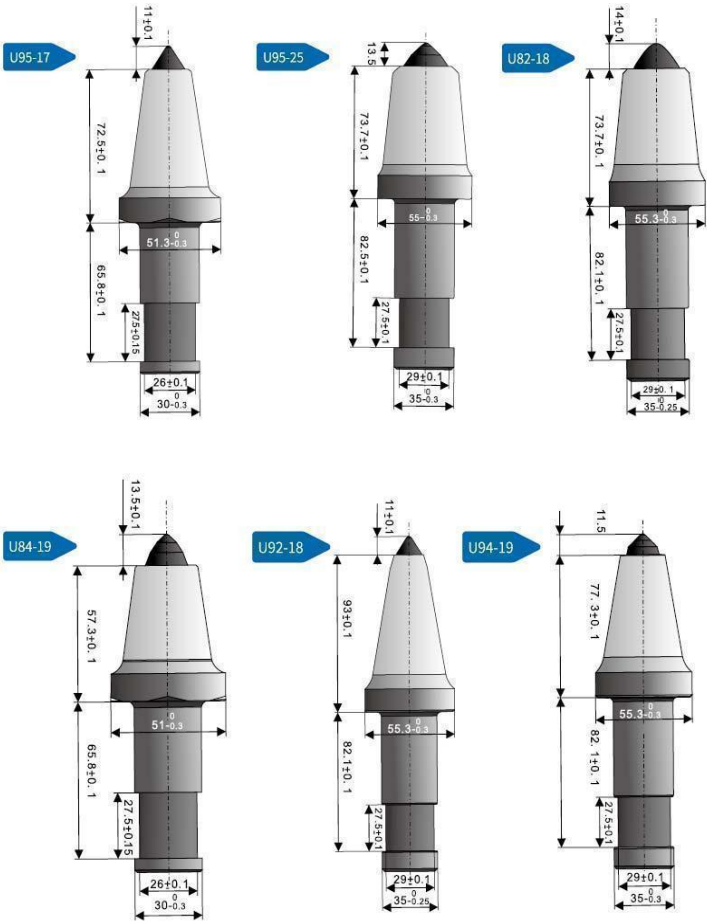
采煤机截齿系列

Shearer Cutting Picks Series



Product Series VS Rock Hardness

Series	Part No.	Diameter			Length				Rock Hardness			
		Collar	Shank	Clip	Overall	Head	Shank	Clip	F3-F5 Medium	F5-F8 Hard	F8-F12 H-hard	F13-F15 Extreme
"No Spark" Series	ADU95-25NS	55	35	29	183	89	94	27		√		
	ADU95-30NS	70	35	29	180	88	92	27				√
	ADU95-33NS	70	35	29	182	89	93	27				√
	ADU95-40NS	70	35	29	182	89	93	27				√
	ADU94-25NS	55	35	29	183	89	94	27		√		
	ADU95-27NS	55	35	30	182	88	94	27		√		
	ADU95-28NS	55	35	30	182	87	95	27		√		
	ADU94-22NS	55	35	30	182	89	93	27		√		
Wear Resistance Layer Series	ADU94-25NS	55	35	29	183	89	94	27		√		
	ADU94-19NS	55	35	30	182	89	93	27	√			
	ADU95-25WRL	55	35	29	183	89	97	27		√		
	ADU95-17WRL	55	35	30	182	88	94	27		√		
	ADU95-30WRL	70	35	29	180	88	92	27			√	
	ADU95-33WRL	70	35	29	182	89	93	27				√
	ADU95-40WRL	70	35	29	182	89	93	27				√
	ADU94-22WRL	55	35	30	182	89	93	27	√			
Alloy Powder Cladding Series	ADU94-25WRL	55	35	29	183	89	94	27		√		
	ADU92-19WRL	55	35	30	195	102	93	27	√			
	ADU95-33APC	70	35	29	182	89	93	27				√
	ADU95-30APC	70	35	29	180	88	92	27			√	
Wings Series	ADU95-25APC	55	35	29	182	89	94	27			√	
	ADU95-25WS	55	35	29	182	89	94	27			√	
	ADU95-17WS	55	35	29	182	89	94	27			√	
	ADU95-30WS	55	35	30	180	89	91	27			√	
	ADU95-33WS	70	35	29	182	89	93	27				√
	ADU95-25WS-L	55	35	29	183	89	94	27			√	
Standard Series	ADU95-30WS-L	55	35	30	180	89	91	27			√	
	ADU95WS-L	55	35	29	182	88	94	27			√	
	U95HDLR-HF	70	35	29	182	89	93	27				√
	U95BRK-33-AD	70	35	29	182	89	93	27				√
	HR95HDLR-HF	70	35	29	180	88	92	27	√			
Umbrella series	U95BRK-33X-AD	70	35	29	182	89	93	27				√
	U94HDLR-19SD	55	35	30	182	89	93	27	√			
	U94-19/90-HF	55	35	30	185	91	94	26	√			
	ADU95-25UL	55	35	29	183	89	94	27		√		

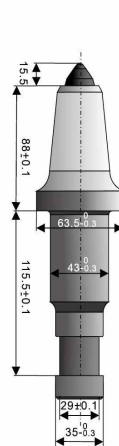


产品展示

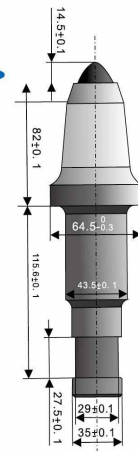
Production Exhibition



U170-22



U170-17



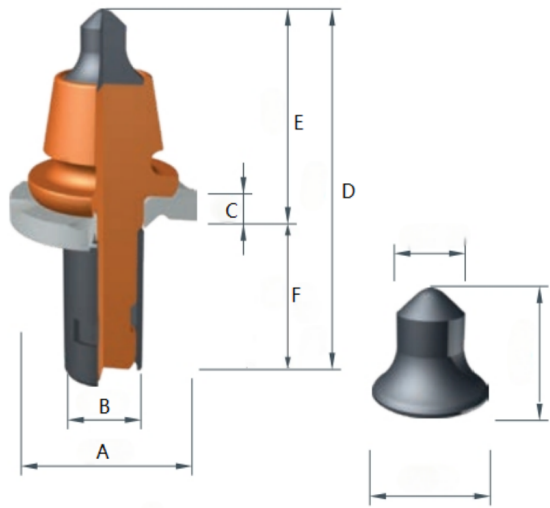
Product Series VS Rock Hardness

Series	Part No.	Diameter			Length				Cutting Conditions			
		Collar	Shank	Clip	Overall	Head	Shank	Clip	F3-F5	F5-F8	F8-F12	F13-F15
									Medium	Hard	H-hard	Extreme
"No Spark" Series	ADU170-25NS	63	35	30	222	89	133	27		✓		
	ADU170-17NS	63	35	30	224	91	133	27		✓		
	ADU170-30NS	65	35	29	220	89	131	27			✓	
	ADU170-33NS	70	35	29	222	88	134	28				✓
	ADU170-35NS	70	35	29	222	89	133	28				✓
Wear Resistance Layer Series	ADU170-25WRL	63	35	30	222	89	133	27	✓			
	ADU170-17WRL	63	35	30	224	91	133	27		✓		
	ADU170-30WRL	65	35	29	200	89	131	27			✓	
	ADU170-33WRL	70	35	29	222	89	133	28				✓
Wings Series	ADU170-22WS	70	35	29	222	89	133	28	✓			
	ADU170-25WS	63	35	29	223	89	134	27		✓		
Spiral Series	ADU170-30SP	65	35	30	220	89	131	27			✓	
Standard Series	ADU170LRD-4.5-25SD	63	35	30	224	91	133	27		✓		
	ADHR170LRD-HF	70	35	29	182	89	93	27			✓	



公路齿系列

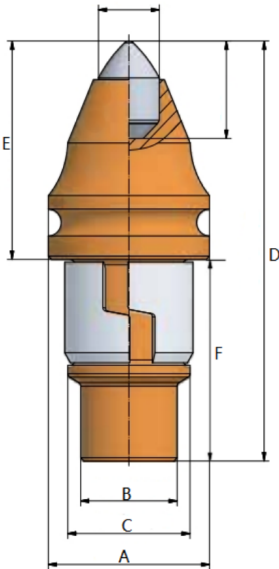
Road Cutting Picks Series



产品型号 Product Model	刀体直径 Diameter		厚度 Thickness	刀体长度 Length			应用 Application		
	大外圆 Collar(A)	柄径 Shank(B)	卡簧 Clip(C)	总长 Overall(D)	头长 Head(E)	柄长 Shank(F)	沥青路面 Asphalt	水泥路面 Cement	渣土路面 Muck
AD-C27-20.5/20.5	45mm	20mm	7mm	88mm	48mm	40mm	√		
AD-C26-19/21	45mm	22mm	7mm	88mm	48mm	40mm			√
AD-C26-19.5/17.5	45mm	20mm	7mm	89.5mm	49.5mm	40mm	√		
AD-C21-13/25	45mm	22mm	7mm	88mm	48mm	40mm		√	
AD-C16-19/17.5	45mm	22mm	7mm	88mm	48mm	40mm	√		
AD-C26-19/17.5	45mm	22mm	7mm	88mm	48mm	40mm	√		

旋挖齿系列

Rotary Digging Cutting Picks Series



产品型号 Product Model	刀体直径 Diameter			刀体长度 Length		
	大外圆 Collar(A)	柄径 Shank(B)	卡簧 Clip(C)	总长 Overall	头长 Head(E)	柄长 Shank(F)
AD3060-25Z-HC	60mm	30mm	38mm	137mm	76mm	61mm
AD3060-25Z-RF	60mm	30mm	38mm	137mm	76mm	61mm
AD3060-22Z-XY	60mm	30mm	38mm	137mm	76mm	61mm
AD3060-20Z-XD	60mm	30mm	38mm	137mm	76mm	61mm
AD3050-18Z-XY	50mm	30mm	38mm	132mm	72mm	60mm
AD3050-20Z-RF	50mm	30mm	38mm	132mm	72mm	60mm
AD3050-22Z-XY	50mm	30mm	38mm	132mm	72mm	60mm
AD3050-22Z-HC	50mm	30mm	38mm	132mm	72mm	60mm

金刚石钻头系列

PDC Bits Series



1、 $\phi 25$ 、 $\phi 27$ 、 $\phi 28$ 、 $\phi 29$ 、 $\phi 32$ 、 $\phi 36$ 、 $\phi 42$

2、正确使用金刚石锚杆钻头是充分发挥其效益的关键，我们热忱为您提供售后服务和技术咨询，也可根据用户要求制造特殊规格类型的锚杆钻头。

1、 $\phi 25$ 、 $\phi 27$ 、 $\phi 28$ 、 $\phi 29$ 、 $\phi 32$ 、 $\phi 36$ 、 $\phi 42$

2、The correct use of the PDC bits is the key to giving full play to their benefits. We sincerely provide you with after-sales service and technical advice, can also according to user requirements to make special types of anchor rod drilling.



金刚石(PDC)复合片锚杆钻头与地质钻头,类型分为:普通型、超强型、天然型、人造型、表镶型、孕镶型、取芯型、无芯型、扩孔型、刮刀型;

规格(mm)有: $\phi 25$ 、 $\phi 26$ 、 $\phi 27$ 、 $\phi 28$ 、 $\phi 29$ 、 $\phi 30$ 、 $\phi 32$ 、 $\phi 36$ 、 $\phi 38$ 、 $\phi 42$ 、 $\phi 60$ 、 $\phi 65$ 、 $\phi 75$ 、 $\phi 89$ 、 $\phi 94$ 、 $\phi 98$ 、 $\phi 113$ 、 $\phi 153$ 。

Diamond compact (PDC) bit anchor and geological drill bits, types include: ordinary, super type, natural type, artificial type, surface embedded, embedded, barrel type, wing type, expanding groove, scraper type;

Specifications (mm) : $\phi 25$ 、 $\phi 26$ 、 $\phi 27$ 、 $\phi 28$ 、 $\phi 29$ 、 $\phi 30$ 、 $\phi 32$ 、 $\phi 36$ 、 $\phi 38$ 、 $\phi 42$ 、 $\phi 60$ 、 $\phi 65$ 、 $\phi 75$ 、 $\phi 89$ 、 $\phi 94$ 、 $\phi 98$ 、 $\phi 113$ 、 $\phi 153$ 。

钎头钎杆系列

Drill Bits & Rods Series

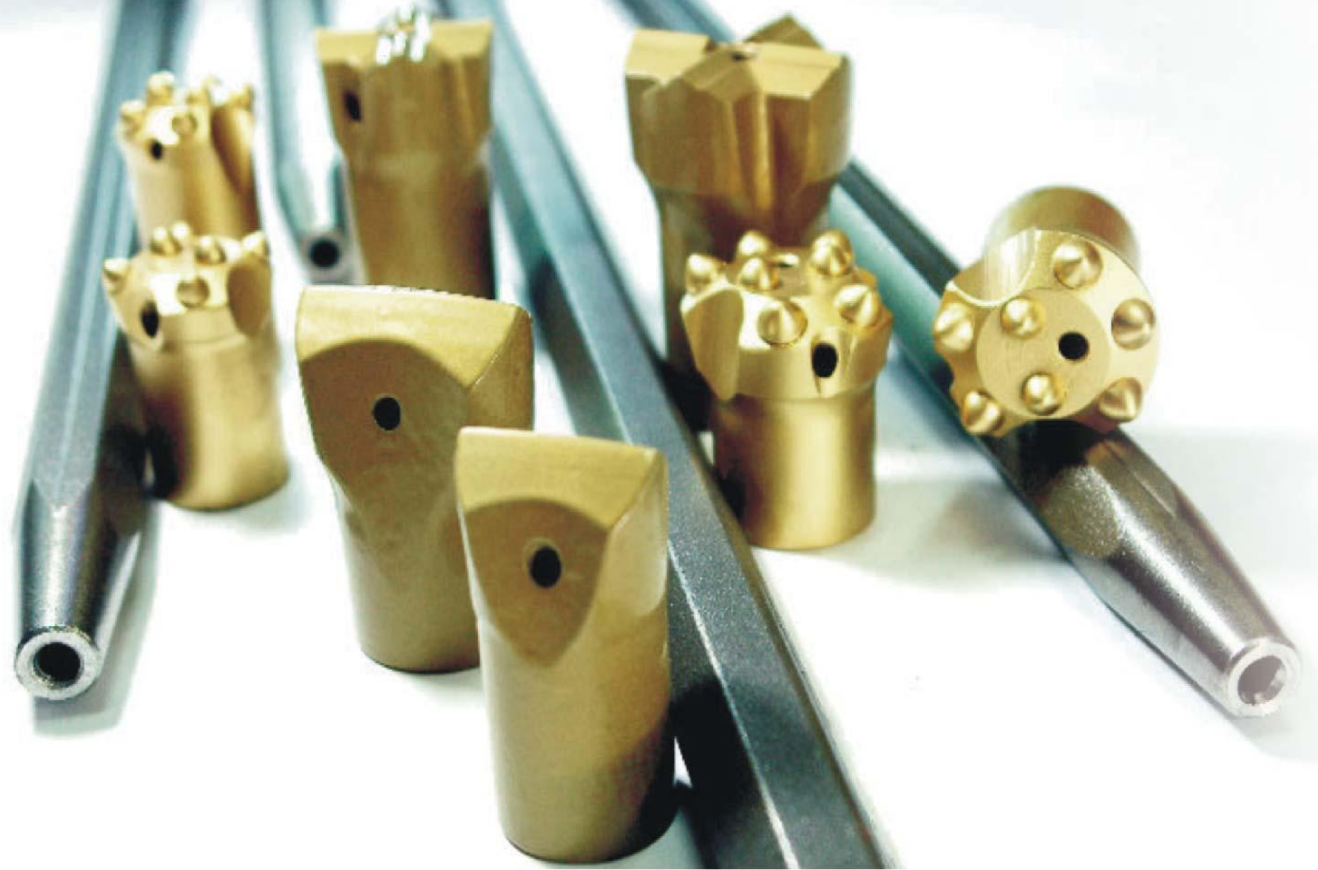
锥形连接中空六角形钎杆使用须知 / The hollow conical connection Hexagon rod usage instructinos

为了正解使用钎杆,保证正常使用寿命,须注意以下几点:

In order to properly use drill rods and ensure the normal service life, we must pay attention to the following:

- 1、根据试验对比或下述推荐使用条件表,正确选用钎杆类型
(主要参考凿岩机功率和岩石参数)。
- 2、公司锥形钎产品在杆体和领盘处有“AD”商标,从杆体往尾看,领盘“AD”字开口向右为凹型,杆体是凸标记,优钎标记为“AD·I”、“AD·II”,普钎标记为“AD”、“AD-I”。为了进行产品质量追踪,杆体上还有生产批号。
- 3、应保证钎杆与钎头配合良好(锥度一致);如果钎杆锥度小于钎头锥度,则易断梢尖。
- 4、对于凿孔深>2.0米,推荐采用套钎,即先用短钎杆开孔,然后再用长钎杆继续延伸打孔,以提高钎杆使用寿命(根据孔深情况,可采用2根套钎或3根套钎)。
- 5、开孔时应稳,适当降低推进风量,避免钎杆在弯曲状态下工作,否则将会缩短钎杆使用寿命。
- 6、在打孔及退出过程中,尽量避免钎杆弯曲受力,以提高钎杆的使用寿命。
- 7、应根据现场条件(岩石情况),调整凿岩机的风量,保证凿岩机正常工作。
- 8、对于卡钎的岩石状况,应使用十字型钎头。
- 9、用户不得随意改变钎杆结构或经再加工后进行使用,以免影响钎杆的正常使用寿命。
- 10、当正常使用普通钎杆易出现批量早期断裂时,应换用优钎;当优钎不适用时,应换用大规格钎杆,或降低风压。
- 11、钎杆杆体直径应与凿岩机功率匹配,功率大则应选用大规格钎杆。

1. According to the test comparison or the following recommended use condition table, select the drill rod type correctly (Mainly refer to the power of rock drill and rock parameters).
2. The company's tapered drill products have the "AD" trademark on the rod body and the collar. From the end of the rod body, the opening of the collar "AD" is concave to the right, and the rod body is a convex mark, which is excellent. It is marked as "AD·I" and "AD·II", and the common drill is marked as "AD" and "AD-I". In order to track product quality, there is also a production batch number on the rod.
3. It should be ensured that the drill rod and drill bit fit well (the taper is the same); if the taper of the drill rod is smaller than the taper of the drill bit, the tip is easy to break.
4. For rock drilling depths >2.0 meters, it is recommended to use sleeve drills, that is, use a short drill rod to drill the hole first, and then use a long drill rod to extend the hole to improve the service life of the drill rod. (According to the hole depth, 2 sets of drills or 3 sets of drills can be used).
5. When opening the hole, it should be stable, and the air volume should be reduced appropriately to avoid the drill rod from working in a bent state, otherwise the service life of the drill rod will be shortened.
6. In the process of drilling and withdrawing, try to avoid the bending force of the drill rod to improve the service life of the drill rod.
7. The air volume of the rock drill should be adjusted according to the site conditions (rock conditions) to ensure the normal work of the rock drill.
8. For the rock condition where the drill is stuck, a tapered cross drill bit should be used.
9. The user is not allowed to change the structure of the drill rod at will or use it after reprocessing, so as not to affect the normal service life of the drill rod.
10. When the normal use of ordinary drill rods is prone to early batch fracture, you should switch to superior drills; when the superior drills are not applicable, you should switch to large-size drill rods, or reduce the wind pressure.
11. The diameter of the drill rod body should match the power of the rock drill. If the power is high, a large-size drill rod should be used.



锥形钎杆产品特别提示 / Special tips for taper drill rod products

对于出现早期批量钎杆失效(炸顶、堆顶、断裂)的情况,应及时通知我公司,以便及时处理。通知应包括以下主要内容:

Failure to appear early batch drill rod (Fried roof, roof, fracture), shall promptly notify the company, to handle in time. Notification shall include the following main contents:

- 1、使用空压机型号、额定压力/最高压力、储气量、一台空压机带几台凿岩机。
 - 2、使用的凿岩机型号、风压、耗气量。
 - 3、岩石类型及硬度(普氏系数f或单轴抗压强度),施工地点(露天、地下、隧道、其它),钻孔深度,钻孔施工方式(向下式、水平式、扇形式、其它)。
 - 4、钎杆早期失效情况统计:
 - a、失效钎杆批号(杆体上的标记)、长度、总订货量、已使用量。
 - b、失效部位及对应的数量和寿命。
 - c、正常使用平均寿命。
 - d、计划使用寿命。
1. Use air compressor model number, rated highest pressure/pressure, gas storage, several drill with an air compressor.
2. The use of the rock drill model, wind pressure and gas consumption.
3. Rock type and hardness (coefficient f or the uniaxial compressive strength), the construction site (tunnels, underground and other), drilling depth, Drilling construction methods (downward, and horizontal, fan form, other)
4. Early drill rod failure situation statistics: A batch number, failure of drill rod (tags) on the rod body, length, total quantity of goods, has been used. B, the failure parts and the corresponding quantity and longevity. C, the normal use of the average life expectancy. D, the service life of the plan.

钎头钎杆系列

Drill Bits & Rods Series



【球齿钎头】
Tpered Button Bits
($\phi 28-43\text{mm}$)



【十字形钎头】
Tapered Cross bits
($\phi 32-65\text{mm}$)



【一字形钎头】
Tapered Chisel bits
($\phi 28-42\text{mm}$)



【B22 钎杆】
B22 drill rod



【B25 钎杆】
B25 drill rod

规格 Specifications	对边尺寸 For edge size	尾柄长度 Length of the handle end	钎杆长度 ① Length of the drill rod (1)	钎杆长度 ② Length of the drill rod (2)	钎杆长度 ③ Length of the drill rod (3)
H22 (B22)	22mm	108mm	0.5~9.0m	7°(12°、4.8°)	AD
H25 (B25)	25mm	159mm(108mm)	0.6~9.0m		AD I
H19 (B19)	19mm	108mm	0.4~6.0m		AD II AD-1



连接式锚杆钻杆
Connected anchor drill



连接器 连接套
The Connector Connected Cap

● 锚杆钻杆(B19、B22)材料选用特殊中空六角钢制造,适合配套各种液压锚杆钻机钻孔使用。具有连接迅速,可适应任何角度、方便快捷等特点。

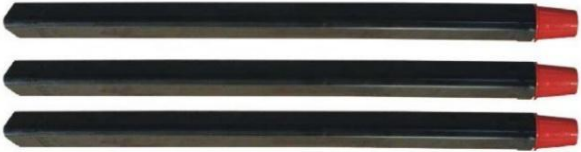
Anchor drill (B19, B22) choose the materials of special hollow hexagonal steel , suitable for supporting all kinds of hydraulic bolt drilling rig. It can connect rapidly, can adapt to any Angle, fast and convenient, etc.



组合式软岩钻杆
Combined-type soft rock drill pipe

● 钻杆为空心结构、重量轻、抗弯性能良好。大螺距排粉,排粉粒度大,粉尘少。方孔卡豆式连接,节约安装时间,提高连接的可靠性,避免丢、卡钻头现象。钻杆首尾可互换,增加了钻杆的使用寿命。连接杆可打 15m 内深孔。

Drill pipe is hollow structure, light, has good bending performance. Big big row pitch powder, powder particle size, less dust. Square hole card bean type connection, saving installation time, improve the reliability of connection, avoid lost card bit phenomenon. Drill pipe end interchangeable, increased the service life of drill pipe. Connecting rod to play within 15 m deep holes.



三棱探水钻杆系列
Water pipe triangular series

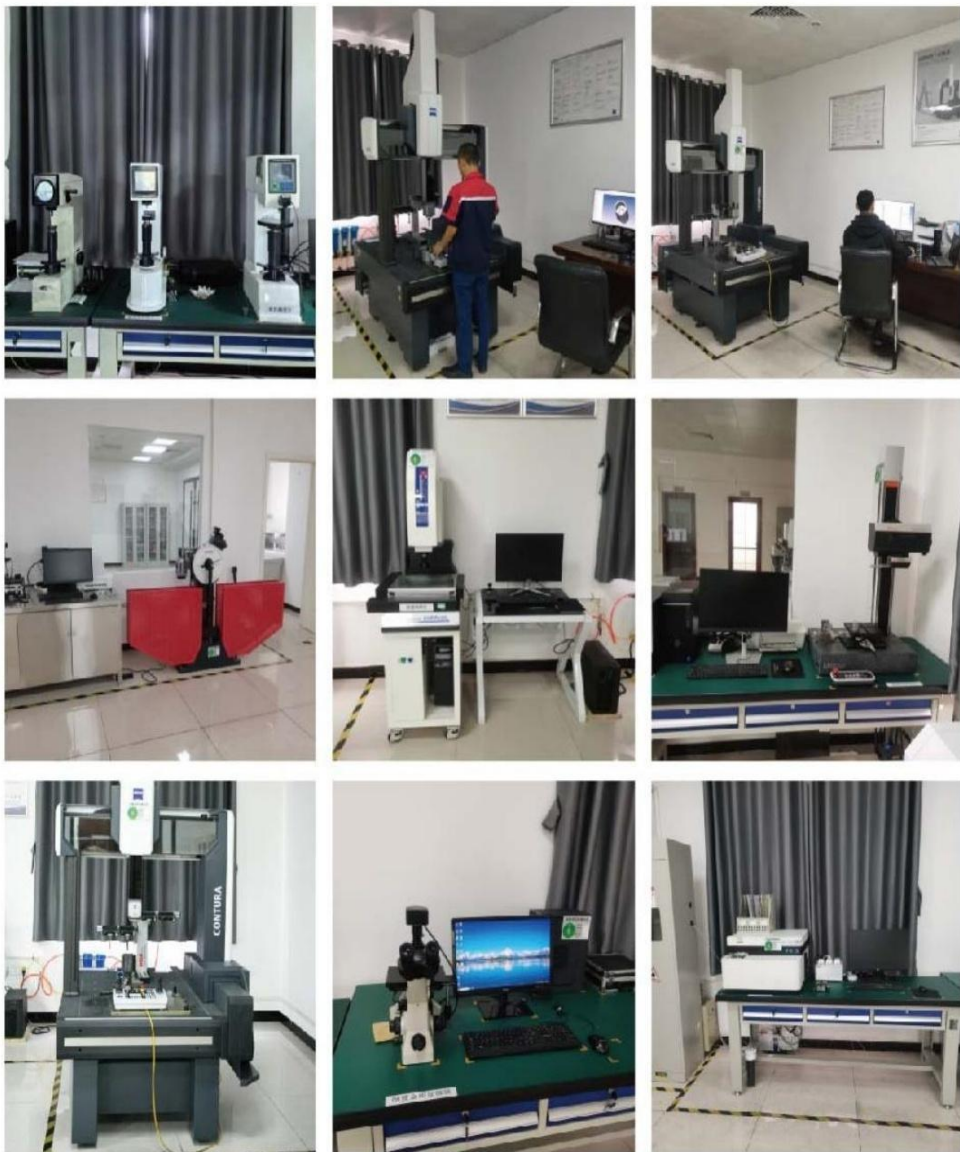
● 探水钻杆是采用国外先进生产的直角大螺距钻杆,钻杆螺旋钢带及杆体采用专用材料焊接而成。其强度高、弹性好,不易弯曲,连接方便快捷。

Water exploration drill pipe is big pitch using advanced foreign production of rectangular pipe, drill pipe spiral steel belt and adopt special material welding rod body. Its high strength, good elasticity and bending, convenient connection.



质量控制

Quality Control



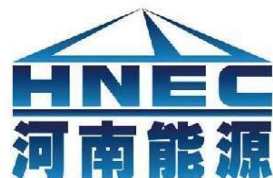
生产设备

Production Equipments



合作企业

Well-known Partners



产品质量和售后服务承诺

Product Quality and After-sales Service Commitment

质量保证 / Quality Assurance

- 1、产品严格执行贵方要求标准。
 - 2、如有需要,我公司严格履行卖方义务,保证按质量确保合同履行。
 - 3、我公司严格执行合同条款,保证承诺事项,并严格执行双方协商相关协议。
 - 4、如属产品质量问题,严格按照相关标准保退保换。
 - 5、新产品开发试用,如我公司产品达不到贵方要求使用标准,可保退换。
1. The standard products strictly meet your standard.
2. If necessary, our company strictly fulfill its obligations to the seller, guaranteeing the quality to ensure that the execution of the contract.
3. Our company strictly enforce the terms of the contract, guarantee commitments, and strictly carry out the agreement through consultation.
4. In the case of a product quality problem, in strict accordance with the relevant standard insurance, the products are refundable.
5. In the process of new product development trial, such as the standard products of our company can not reach your requirements, the products are refundable.

售后服务承诺 / After-sales service Commitment

- 1、我方提供的产品严格按照贵方的要求生产,切实遵照我公司成熟工艺制作。
 - 2、根据需方要求,我公司可负责代办托运,运输到贵方指定交货地点。
 - 3、按照需方要求,开具国家正式发票。
 - 4、我公司愿意派遣技术人员到贵方进行安装指导,并解决相关的使用技术问题。
 - 5、我公司欢迎贵方人员来公司参观考察,免费提供有关产品资料。
 - 6、合同一但正式签订,我公司将严格按照服务承诺条款恪守执行。
 - 7、如贵方发现我公司产品外观、质量有缺陷,进而影响产品的使用,根据有关规定,对于未用产品,我公司将提供保退保换服务。
1. We provide products in strict accordance with your request production, to comply with our mature production technique.
2. According to buyer's requirements, our company are responsible for agent consignments, transportation to your designated place of delivery.
3. We will offer an official invoice in accordance with the requirements.
4. Our company is willing to send technicians to guide you to install, and solve the related technical problems.
5. I company welcome you to visit our company, to provide information about the products free of charge.
6. When contract is signed, our company will be implemented strictly in accordance with the terms of the contract.
7. If you find our company products' appearance, quality have any flaw which affect the use of the product, the products that are not used are refundable according to the relevant provisions.

澳德机械欢迎您!

Welcome to AoDe Mining Machinery & Equipment Ltd.!