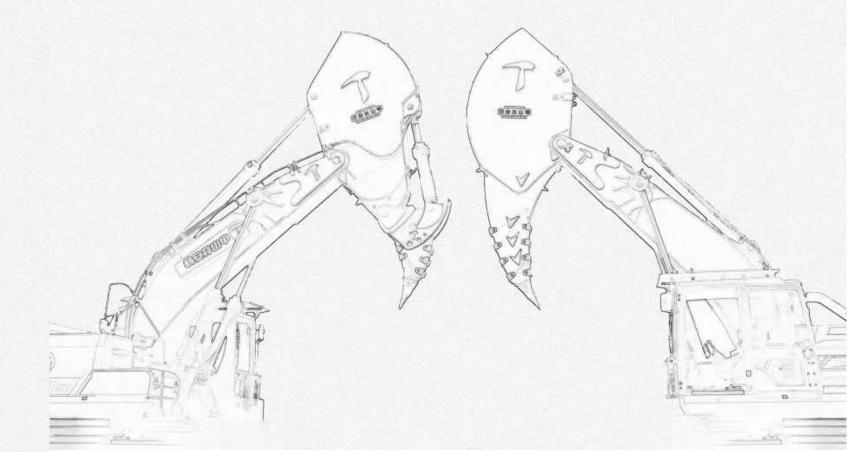




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-目录一

企业使命 —— **17** Mission

全球市场 —— III

生产环境 —— **11** Production environment

产品介绍 —— 13
Product introduction

解决方案 —— **27**Solutions

安装指南 —— 41
Installation guide

品牌型号 —— 45



四川畅安穿山甲科技有限公司

成立于2017年,注册资本1000万元.坐落于享有"天府之国"美誉的成都,是一家致力于探索土石方工程机械施工路径的科技公司。

公司团队拥有丰富的土石方施工经验,秉承"科技创新,品质卓越"的经营理念,立志于将科技融入现实,以简单有效的方法解决复杂多变的土石方施工难题。

Sichuan Chang'an Chuanshanjia Technology Co., Ltd. was established in 2017 with a registered capital of 10 million RMB.Located in Chengdu, which enjoys the reputation of "Land of Abundance", it is a technology company dedicated to exploring the construction path of earth and stone engineering machinery.

The company team has rich experience in earthwork construction, adhering to the business philosophy of "scientific and technological innovation, excellent quality", determined to integrate technology into reality, and solve complex and changeable earthwork construction problems with simple and effective methods.

公司自成立以来不断加大研发投入,注重技术储备及布局。

随着2019年初S系列矿山勾撬臂和J系列分体岩石臂的问世,连同首款产品C系列一体式钩机臂,畅安穿山甲C/S/J系列产品布局已完成,产品覆盖了市面上大型挖掘机能装配的全部类型的岩石臂属具。

Since its establishment, the company has continuously increased investment in research and development, focusing on technical reserves and layout.

With the launch of the S series Hook Prying Arm and the J series Combined Rock Arm in early 2019, together with the first product C series Integrated Hook Arm, the layout of Chang'an Chuanshanjia C/S/J series products has been completed, the product covers all types of rock arm attachments that can be assembled in the large excavator market.

我们以敬业的态度传承工匠精神,以科学的态度 弘扬工匠精神,让工匠精神成为推动我公司迈向 未来的巨大精神力量!

在未来发展的道路上,让四川畅安穿山甲助您一臂之力!

We inherit the craftsman spirit with a dedicated attitude, carry forward the craftsman spirit with a scientific attitude, and make the craftsman spirit a huge spiritual force that drives our company into the future!

On the road of future development, let Sichuan Chang'an Chuanshanjia help you!



+000 +000

全球累计提供项目支持 Project support cases around the world

产品覆盖全球城市数 Number of global cities covered by products



kinds of project coverage

矿山项目/Mining Project
公路项目/Road Project
管沟项目/Pipe Trench Project
疏浚项目/Dredging Project
隧道项目/Tunnel Project
市政项目/Municipal Project











Launched Combined Rock Arm 分体式岩石臂面世





2020 National coverage of products 产品实现全国覆盖 Exported to SEA 远销东南亚



ZOZ1 Exported to AF 远销非洲 Development of tunneling equipment 隧道挖掘设备研发



Z0ZZ





Develpment trajectory

发展轨迹

03

"科技创新·品质卓越"

畅安穿山甲自成立以来,在探索免爆破施工领域的技术创新道路上,从未止步

"Scientific and technological innovation, excellent quality"

Since its establishment, Chang'an Chuanshanjia has never stopped in exploring innovative technologies in the field of blast-free construction



做到更好,是我们一直以来的坚持。 从产品细节到服务质量,畅安穿山甲从未停下精益优化的脚步。

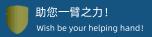
Doing better is our constant insistence. From product details to service quality, Chang'an Chuanshanjia has never stopped pursuit of lean optimization.

产品的每一处细节,都代表着超500小时的研发与优化,每一份来自市场的建议与认可,都将转化为激励我们奋力前行的动力。

Every detail of the product represents more than 500 hours of research and development and optimization, and every sugge stion and recognition from the market will be transformed into a driving force to encourage us to strive forward.







Global Market

too:

全球市场

截止2022年,畅安穿山甲系列产品已覆盖亚洲、欧洲、非洲等多个地区。

By 2022, Chang'an Chuanshanjia series products have covered Asia, Europe, Africa and other regions.





一体式钩机臂 Integrated Hook Arm



高效化岩石破碎解决方案 Efficient rock crushing solution



Integrated Hook Arm

一体式钩机臂

1. 深挖

传统分体臂为避免损伤到铲斗油缸,施工深度往 往受限于松土器本身的长度规格。一体式钩机臂 ,整合松土装置与小臂,大幅提高产品整体利用 率,打破传统分体臂施工的深度阈值。

The construction depth of the traditional rock arm is often limited by the length specification of the ripper itself in order to avoid damage to the bucket cylinder. The Integrated Hook Arm integrates the ripper and the stick, which greatly improves the overall utilization rate of the product and breaks the depth threshold of traditional rock arm construction.

Z.快速

一体式钩机臂采用双泵多阀双进双出的中臂油缸 设计,汇集铲斗油缸液压,为小臂收放动作带来 双倍流量,缩短单次动作间隔,增加单钩破碎强 度,为您带来更顺畅的土石方破碎体验。

The Integrated Hook Arm adopts the design of the middle arm cylinder with double inlet, double outlet, double pump and multi-valve, which collects the hydraulic pressure of the bucket cylinder, brings double the flow rate for the retraction and release action of the forearm, shortens the single action interval, and increases the single hook crushing strength. Bring you a smoother earth and stone crushing experience.

2017年,畅安穿山甲自主研发的实用新型专利技术产品: C系列一体式钩机臂正式面世。该产品通过对岩石臂小臂构造的独特创新设计,在 传统岩石臂的基础上大量提升了土石方破碎效率与耐用性,兼具易于维保的优点。

In 2017, the utility model patented technology product independently developed by Chang'an Chuanshanjia: Integrated Hook Arm was officially launched. Through the unique and innovative design of the rock arm stick structure, this product greatly improves the earthwork crushing efficiency and durability on the basis of the traditional rock arm, and has the

3.耐用

主板采用低碳高强度合金钢组成,结构致密完整 ,故障率降低90%,辅以业内首创的耐磨块防护 设计,低维护成本,高修复效率,让您不再为耽 误施工而操心。

The main board is composed of low-carbon and highstrength alloy steel, with a compact and complete structure, and the failure rate is reduced by 90%. Coupled with the industry's first wear-resistant block protection design, low maintenance costs and high repair efficiency, you no longer need to worry about delaying construction.

2000

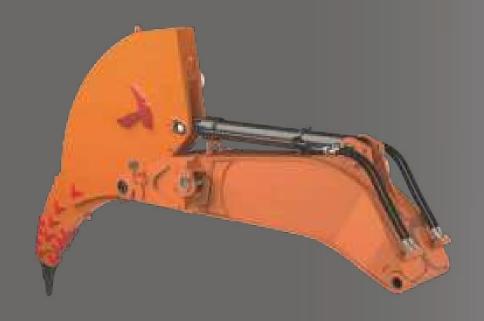
良好工况下挖掘深度可达2000mm

The excavation depth can reach 2000mm in good working conditions

双泵油缸双倍动力,出钩效率提高30% Double power of double pump oil cylinder, working efficiency increased by 30%

一体式结构,故障率减少90% Integrated structure, failure rate reduced by 90%

Product components 组成部件



小臂/Arm

主板由整块高锰合金钢切割而成,一体式设计结 构致密完整,配有齿座、斗齿、耐磨块等配件

It is cut from a whole piece of high manganese alloy steel. The integrated design has a compact and complete structure. It is equipped with tooth holder, bucket tooth, wear-resistant blocks and other accessories.

中臂油缸/Arm cylinder

一体式钩机臂仅需一根中臂油缸,无需配置铲斗 油缸,可升级优质恒立油缸

The integrated Hook Arm only needs one middle arm cylinder, no bucket cylinder, can be upgrated to Hengli cylinder with high quality

大臂与液压管路/Boom and hydraulic lines

定制化生产符合挖掘机主机的大臂,附带液压管 路,您只需要准备好一台主机与大臂油缸即可

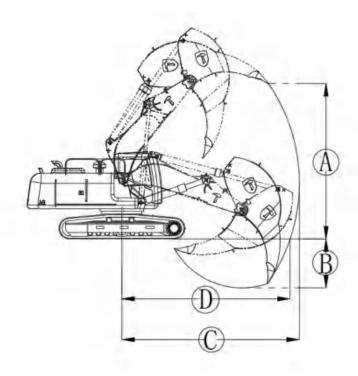
Customized production of the boom that matches the mair engine of the excavator, with hydraulic pipelines, you only need to prepare a main engine and boom cylinders





Product parameters

产品参数



项目/系列 Project/Series	CSJ300C (30吨/ton)	CSJ400C (40吨/ton)	CSJ700C (70吨/ton)	CSJ900C (90吨/ton)
大臂重量Boom weight	6000kg	8000kg	11000kg	11000kg
大臂长度Boom length	4700mm	5100mm	5500mm	6000mm
小臂重量Arm weight	10000kg	12000kg	17000kg	22000kg
小臂长度Arm length	5000mm	5900mm	6300mm	6500mm
最大挖掘高度(A) Maximum excavation height	6500mm	7000mm	8200mm	8600mm
最大挖掘深度(B) Maximum excavation depth	1800mm	2000mm	2200mm	2300mm
最大挖掘距离(C) Maximum digging distance	6400mm	7100mm	7500mm	7800mm
最大挖掘范围(D) Maximum excavation range	4500mm	4800mm	5000mm	5100mm

Applicable hardness 适用工况

推荐机型 Recommended model 岩石抗压强度

Rock compressive strength

CSJ900C 匹配90T挖机 Match 90T excavato

25-30 Mpa

CSJ700C 匹配70T挖机 Match 70T excavator

20-25 Mpa

CSJ400C 匹配40T挖机 Match 40T excavator

15-20 Mpa

CSJ300C 匹配30T挖机 Match 30T excavato

■ 10-15 Mpa



出方效率参考
Excavation efficiency reference

	石层使度/反面 Rock hardness/Equipment	CSJ300C	Hydraulic breaker	CSJ400C	Hydraulic breaker	CSJ700C	Hydraulic breaker	CSJ900C	Hydraulic breaker
	10-15Mpa	110-130m³/h	30-60m³/h	170-190m³/h	40-70m³/h	210-230m³/h	50-70m³/h	250-270m³/h	55-75m³/h
~ <u>a</u>	15-20Mpa			150-170m³/h	30-60m³/h	180-200m³/h	40-60m³/h	230-250m³/h	50-70m³/h
	20-25Mpa					130-150m³/h	45-55m³/h	150-170m³/h	55-65m³/h
	25-30Mpa							90-110m³/h	≤65m³/h

分体式岩石臂 Combined Rock Arm



通用型岩石破碎解决方案 Universal rock crushing solution



Combined Rock Arm

分体式岩石臂

1.稳固

常见松土器采用嵌入式结构,在挖掘碎岩过程中 ,容易出现插销脱落等故障,分散挖掘动力。 分体式岩石臂采用了整体式松土器结构,降低额 外故障风险,聚力稳固,使用寿命更长。

The traditional ripper adopts an embedded structure. In the process of excavating the crushed rock, failures such as the bolt falling off are prone to occur, which disperses the excavation power.

The Combined Rock Arm adopts a integral ripper structure to reduce the risk of additional failures, with stable cohesion and longer service life.

Z.灵活 more flexible

铲斗油缸独立增压,提升分体式岩石臂施工切入角度30°,便于操作员寻找岩石薄弱点破碎,开挖土方事半功倍。

The bucket oil cylinder is independently pressurized, and the construction cut-in angle of the Combined Rock Arm is increased by 30°, which is convenient for the operator to find the weak point of the rock and break it, and excavate the earth more easily.

2019年,畅安穿山甲自主研发出了J系列分体式岩石臂产品,该产品更注重施工通用性,在松土器结构、松土器与小臂连接处等多个维度进行迭代优化,与常见岩石臂产品相比,稳定性与灵活性大大提升。

In 2019, Chang'an Chuanshanjia independently developed the J series Combined Rock Arm product, which pays more attention to construction versatility, and iteratively optimizes multiple dimensions such as the ripper structure and the connection between the ripper and the forearm. Compared with common rock arm products, the stability and flexibility are greatly improved

▋.易更换

easy replacement

非整体化结构,松土器可拆卸,随时随地可进行 更换,最大化保障项目施工流畅度。

Non-integrated structure, the ripper is removable and can be replaced anytime and anywhere, to guarantee the smoothness of project to maxium extent.

1500

良好工况下挖掘深度可达1500mm

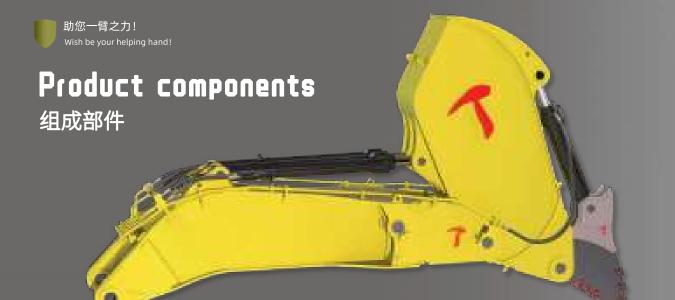
The excavation depth can reach 1500mm in good working conditions

30

施工切入角度提高30° Construction cut-in angle increased by 30°

אסר

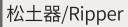
覆盖式松土器,故障率减少70% Covered ripper, failure rate reduced by 70%



小臂/Arm

由整块高锰合金钢切割焊接而成,结构致密完整 ,实际外形根据主机型号调整

It is cut and welded from a whole piece of high manganese alloy steel, the structure is compact and complete, and the actual shape is adjusted according to the model of the host



专用松土器,附带齿座、耐磨块等配件

Special ripper, with accessories such as tooth holder, wear block and so on

油缸/Cylinder

包含中臂油缸与铲斗油缸,可升级优质恒立油缸

Including Arm cylinder & Bucket cylinder, can be upgrated to Hengli cylinder with high quality

大臂与液压管路/Boom and hydraulic lines

定制化生产符合挖掘机主机的大臂,附带液压管路,您只需要准备好一台主机与大臂油缸即可

Customized production of the boom that matches the mair engine of the excavator, with hydraulic pipelines, you only need to prepare a main engine and boom cylinders



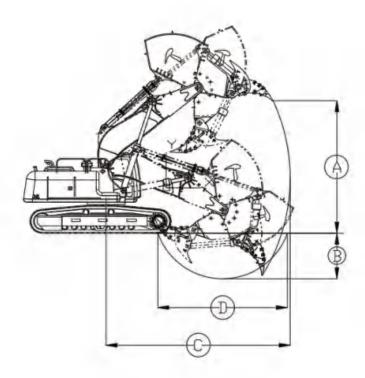




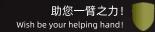


Product parameters

产品参数



项目/系列	CSJ400J (40吨/ton)	CSJ700J (70吨/ton)	CSJ900J (90吨/ton)
大臂重量Boom weight	8000kg	10000-11000KG	11000KG
大臂长度Boom length	4800mm	5000mm	5200-5400mm
小臂重量(含松土器) Arm weight(includes ripper)	12000kg	17000kg	22000kg
松土器长度Ripper length	1750mm	1800mm	1800mm
最大挖掘高度 (A) Maximum excavation height	7000mm	8300mm	9600mm
最大挖掘深度(B) Maximum excavation depth	1600mm	1800mm	2000mm
最大挖掘距离 (C) Maximum digging distance	6600mm	6900mm	7200mm
最大挖掘范围(D) Maximum excavation range	4600mm	4300mm	4200mm



Applicable hardness 适用工况

推荐机型 Recommended model 岩石抗压强度 Rock compressive strength

| CSJ900J | 四配90T挖机 | 25-30 Mpa | 25-30 Mpa | 20-25 Mpa | 20-25 Mpa | 15-20 Mpa | 15-20



出方效率参考
Excavation efficiency reference

ı	岩层硬度/设备 Rock hardness/Equipment	CSJ400J	40T破碎锤 Hydraulic breaker	CSJ700J	70T破碎锤 Hydraulic breaker	CSJ900J	90T破碎锤 Hydraulic breaker
	10-15Mpa	150-170m³/h	40-70m³/h	190-210m³/h	50-70m ³ /h	230-250m³/h	55-75m³/h
	15-20Mpa	130-150m³/h	30-60m³/h	170-190m³/h	40-60m³/h	220-240m³/h	50-70m³/h
	20-25Mpa			150-170m³/h	45-55m³/h	170-190m³/h	55-65m³/h
	25-30Mpa					120-140m³/h	≤65m³/h



降本增效,提高岩层剥离收益率

Reduce cost and increase efficiency, improve the cost performance of rock stripping work

Mining Project

在中国,露天采矿场主要集中在西北地区(内蒙古、山西、新疆、宁夏、甘肃等地),畅安穿山甲已为多个煤矿、有色金属矿项目提供了完善的岩层剥离解决方案。

In China, open-pit mining area are mainly distributed in the Northwest (Inner Mongolia, Shanxi, Xinjiang, Ningxia, Gansu, etc.), and Chang'an Chuanshanjia has provided perfect rock stripping solutions for many coal mines and non-ferrous metal mine projects.



碎岩粒径更小,降低破碎机故障率,提高产量

The particle size of crushed rock is smaller, reducing the failure rate of the crusher and increasing the output



低噪音污染,绿色矿山更环保

Low noise pollution, green mines are more environmentally friendly



精准破碎,边坡稳定更安全

Precise crushing, stable slope and safer



破碎效率更高

More efficient crushing



成本远低于炸药爆破,无需爆破资质

The cost is much lower than explosive blasting, no blasting qualification is required



更安全&更环保 Safer & Greener



碎岩粒径更小,运输更方便

The particle size of the crushed rock is smaller and the transportation is more convenient



公路项目具备周期长,投资大,工况复杂的特点。同时伴 随着多个国家对于炸药爆破的监管政策逐渐收紧,采用岩 石臂产品进行土石方破碎工作已经成为一种高性价选择。

Road projects have the characteristics of long cycle, large investment and complex working conditions. At the same time, with the gradual tightening of the regulatory policies for explosive blasting in many countries, the use of rock arm products for earthwork crushing has become a cost-effective option..







山体结构干扰小,施工更安全

Less interference from the mountain structure, safer construction

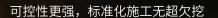
Tunnel project

隧洞项目

您一臂之力!

隧洞项目重视对地质水文条件的施工影响,特别是施工安全性,一体式钩机臂具备围岩扰动少,控制断面准确等安全施工特质,更契合隧洞项目施工。

Tunnel projects attach great importance to the construction impact on geological and hydrological conditions, especially construction safety. The Integrated Hook Arm has the characteristics of safe construction such as less disturbance of surrounding rock and accurate control section, which is more suitable for the construction of tunnel projects



Stronger controllability, standardized construction without excessive or under-excavation



更安全&更环保 Safer & Greener



低故障率,维保成本低

Low failure rate, low maintenance cost







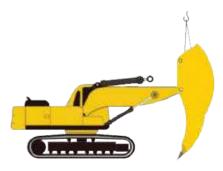
Integrated Hook Arm 一体式钩机臂



- 1.拆除原车动臂、小臂、挖斗及附属液压油缸
- 1. Remove the original vehicle boom, stick, bucket and auxiliary hydraulic cylinder



- 2.将动臂安装在车架上,将大臂举升油缸与动臂铰链
- 2. Install the boom on the frame, combine the boom cylinder and boom

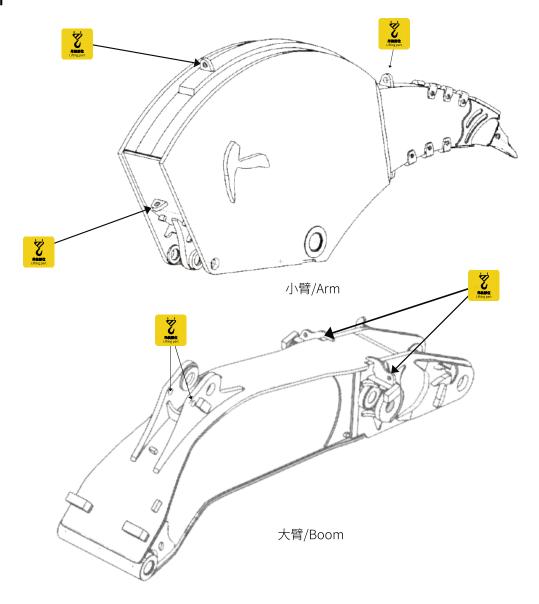


- 3.将小臂与动臂铰链
- 3. Combine arm and boom



- 4.将中臂油缸与小臂铰链并连接中臂油缸液压管路
- 4. Hinge the arm cylinder and arm, and connect the hydraulic pipeline of the arm cylinder

Hnisting Guide 吊装指引





Combined Rock Arm 分体式岩石臂



- 1.拆除原车动臂、小臂、挖斗及附属液压油缸
- 1. Remove the original vehicle boom, stick, bucket and auxiliary hydraulic cylinder



- 2.将动臂安装在车架上,将大臂举升油缸与动臂铰链
- 2. Install the boom on the frame, combine the boom cylinder and boom



- 3.将小臂与动臂铰链
- 3. Combine arm and boom

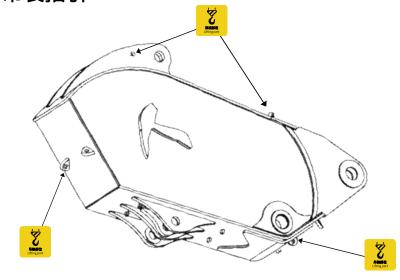


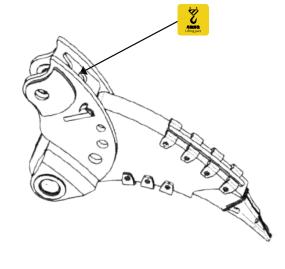
- 4.将中臂油缸与小臂铰链并连 接中臂油缸液压管路
- 4. Hinge the arm cylinder and arm, and connect the hydraulic pipeline of the arm cylinder



- 5.将松土器与小臂铰链并连接 铲斗油缸与防尘垫
- 5. Combine the ripper and arm, and connect the bucket cylinder and dust pad

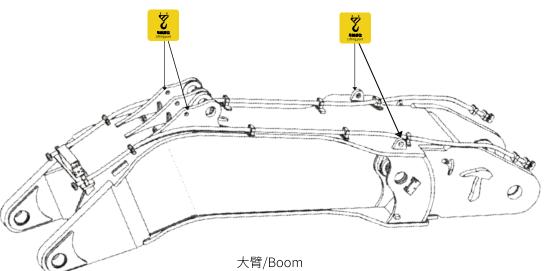
Hoisting Guide 吊装指引





小臂/Arm

松土器/Ripper









三一485 一体式钩机臂 SANY485 Integrated hook arm



三一500 一体式钩机臂 SANY500 Integrated hook arm



三一950 一体式钩机臂 SANY950 Integrated hook arm





三一750 分体式岩石臂 SANY750 Combined rock arm





Brands and models 品牌型号



徐工700 一体式钩机臂 XCMG700 Integrated hook arm



徐工700 一体式钩机臂 XCMG700 Integrated hook arm



徐工490 分体式岩石臂 XCMG490 Combined rock arm



徐工700 分体式岩石臂 XCMG700 Combined rock arm



CAT



卡特349 —体式钩机臂 CAT349 Integrated hook arm



卡特349 —体式钩机臂 CAT349 Integrated hook arm



卡特349 分体式岩石臂 CAT349 Combined rock arm

Brands and models 品牌型号



卡特349 分体式岩石臂 CAT349 Combined rock arm



HITACHI

日立450 一体式钩机臂 Hitachi 450 Integrated hook arm

日立470 —体式钩机臂 Hitachi 470 Integrated hook arm



日立490 —体式钩机臂 Hitachi 490 Integrated hook arm

Brands and models 品牌型号



日立890 分体式岩石臂 Hitachi 890 Combined rock arm



ELIUGONG

Brands and models 品牌型号



柳工950 —体式钩机臂 LiuGong950 Integrated hook arm



柳工956 —体式钩机臂 LiuGong956 Integrated hook arm



柳工950 分体式岩石臂 LiuGong950 Combined rock arm



柳工970 分体式岩石臂 LiuGong970 Combined rock arm



KOBELCO

Brands and models 品牌型号



神钢350 —体式钩机臂 KOBELCO350 Integrated hook arm



神钢460 —体式钩机臂 KOBELCO460 Integrated hook arm



神钢480 —体式钩机臂 KOBELCO480 Integrated hook arm



神钢500 分体式岩石臂 KOBELCO500 Combined rock arm



KOMATSU

Brands and models 品牌型号



小松360 —体式钩机臂 KOMATSU360 Integrated hook arm



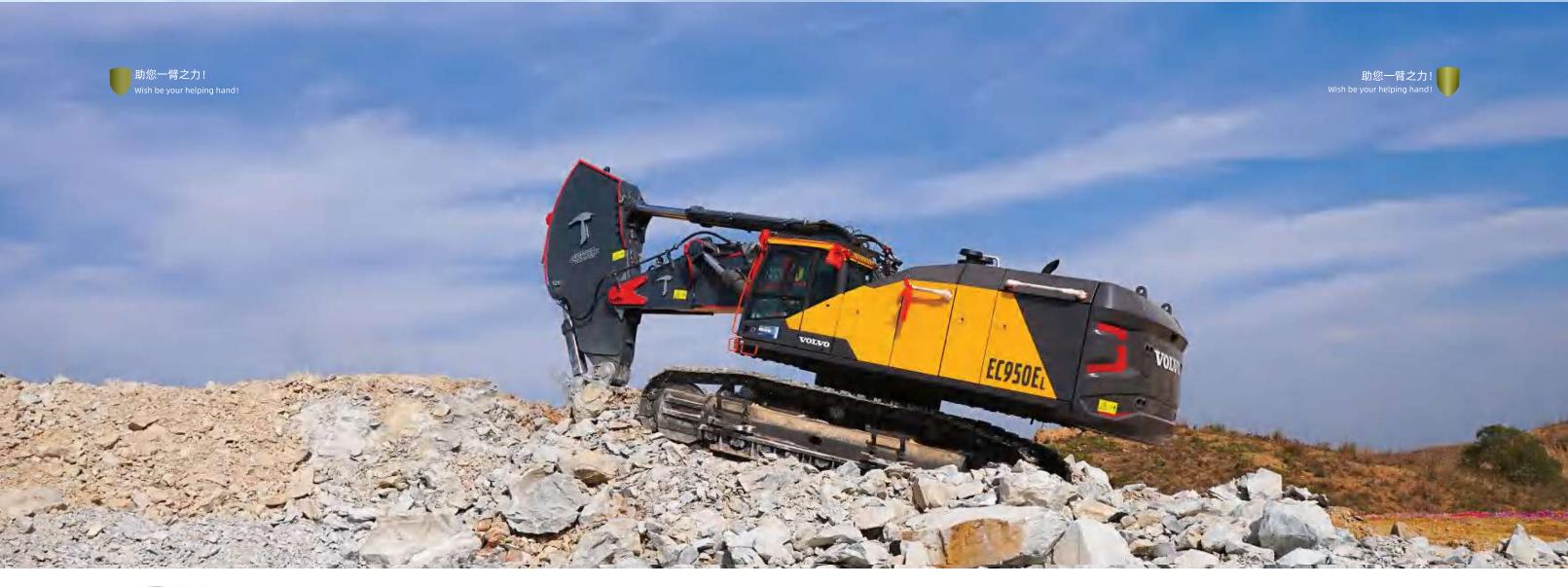
小松460 —体式钩机臂 KOMATSU460 Integrated hook arm



小松460 —体式钩机臂 KOMATSU460 Integrated hook arm



小松800 —体式钩机臂 KOMATSU800 Integrated hook arm







沃尔沃460 —体式钩机臂 VOLVO460 Integrated hook arm



沃尔沃480 —体式钩机臂 VOLVO480 Integrated hook arm



沃尔沃480 —体式钩机臂 VOLVO480 Integrated hook arm





沃尔沃950 分体式岩石臂 VOLV0950 Combined rock arm



DOOSAN

Brands and models 品牌型号



斗山500 —体式钩机臂 DOOSAN500 Integrated hook arm



斗山500 —体式钩机臂 DOOSAN500 Integrated hook arm



斗山500 —体式钩机臂 DOOSAN500 Integrated hook arm



斗山500 分体式岩石臂 DOOSAN500 Combined rock arm



More... 更多...



凯斯470 —体式钩机臂 CASE470 Integrated hook arm



特雷克斯H30 一体式钩机臂 TEREXH30 Integrated hook arm



临工500一体式钩机臂 SDLG500 Integrated hook arm

Brands and models 品牌型号



住友480 一体式钩机臂 SUMITOMO480 Integrated hook arm