

Leading Trend of Breaking Technology



Key to Break Through Demolition Business

Nowadays the hydraulic hammer technology reaches to its highest peak, and we realize the core of highest technology into AKB series hydraulic breakers. But it does not mean all of them are capable of applying such technology and still some of real specialists can see the core of technology.

AKB hammers are born with high-level of artisan and all the processes of manufacturing are highly controlled. The materials are selected by highest standard and our craftsman secures quality products to be delivered.

AKB hammers will be the tools to break through the severe competition and we prepare for your power of sales with AKB breakers.

Challenge to New Way of Breaker

Quick Reaction to Improvement

AKB hydraulic breaker series have three different structure and we apply the latest technology for breaking systems. Simple but powerful. The challenge to innovation will continue



Reliability & Stable Performance

It Pays Back Quick

AKB Small & Compact

Right Demolition Works

The small & medium range of AKB breakers is designed for mini - compact excavators, backhoe and skid steer loaders and are suitable light demolition work.

The various design of housings are made for backhoe and skid steer loader, mini excavator and articulated bucket.

The special design of three-position pin system for backhoe meets different situation of breaking.

The high level of engineering can meet various specification of small carriers, and AKB small & compact classes will be applicable to all of mini and backhoe loaders.



The main points is built-in control valve, and it secures stable oil flow for constant breaking power.

Tech Specifications

Small & Compact Range

AKB 15 & 40 are recommended for mini excavators and AKB 55, 70, 100 for back-hoe and skid loaders.

AKB 130 is normally mounted on wheel excavator or small crawler excavator.

For back hoe & skid steer loader, ALL-KOR provides specially designed brackets and this range of breakers require unique mounting bracket, which ALL-KOR is ready for.

Description	Unit	AKB 10	AKB 15	AKB 40	AKB 50	AKB 55	AKB 70	AKB 80	AKB 90	AKB 100	AKB 130
Operating Weight	V	kg	88	123	162	225	281	468	525	592	975
(ToolHM/C)	S	kg	98	137	216	250	385	512	560	607	1,019
Main Body Weight		kg	40	52	86	112	141	209	225	259	433
Tool	Weight	kg	3	5.5	8	12	18	23	27	31	50
	Diameter	mm	40	45	53	60	68	75	80	85	100
Operating Pressure(Breaker)	bar	80-100	80-100	90-120	100-130	100-130	100-130	100-130	130-150	130-150	150-170
Setting Pressure(Machine)	bar	130	130	150	160	160	160	160	180	180	200
Impact Rate	bpm	700-1,200	600-1,100	550-1,000	500-1,000	500-950	450-900	420-850	400-750	400-730	400-700
Back Head Pressure(N2-Gas)	bar	16	16	16	16	16	16	16	16	16	16
Required Oil Flow	lpm	15-25	20-30	20-30	30-60	35-70	40-90	40-90	45-95	60-100	80-110
Suitable Excavator	min	ton	0.8	1.5	2.5	3.5	5.5	6.5	7.0	9	12
	max	ton	1.5	2.5	3.5	5.5	6.5	7.5	8.0	9	12

AKB Small & Compact

Main Parts

Through Bolt & Nut

High Tension Structure & Tight Taking Main Parts

Built-in Control Valve

Smooth Oil Flow & Constant Breaking Energy

Cylinder Adjuster

Control stroke and adjust frequency by breaking material

Tool Bushing

High Anti-Resistance Material & Heat-treatment

Working Tool

Best Quality Material & Heat-Treatment

Back-Head Gas Chamber

Stable Breaking & Impact Energy Secured Nitrogen Gas Charged

Piston & Cylinder

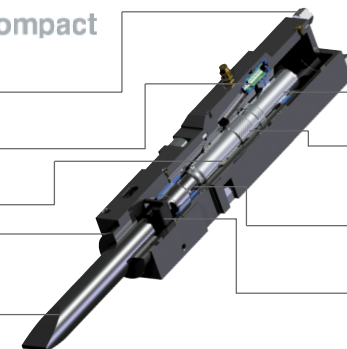
High Level of Processing & Edge Reprocessing Craftsmanship Aids Stable Movement & Max. Impact Power System Applied

Precise Hit Contact

Piston Kinetic Energy Delivers to Tool with Min. Loss. Less Fatigue to Hit Points

Tool Pin

Oval-shaped Tool Pin Sustaining Tool Movement & Max. Energy Delivery to Tool



AKB Medium & Large

Wheel & Crawler Excavator

This range of **AKB** breakers is designed for wheel loader, medium - large class crawler excavator up to 70 tons and are suitable heavy demolition work.

Tech Specifications

Medium & Large

The high durability and reliable quality are planted in **AKB** medium and large class of breaker and it will secure the high performance and less break-down.

The edge of housing is reinforced with high anti-wearing steel and auto greasing system is available for this range of **AKB**.

Description	Unit	AK B 160	AK B 220	AK B 320	AK B 400
Operating Weight	V	kg	1,410	1,840	2,409
	S	kg	1,342	1,762	2,254
Main Body Weight	kg	483	690	889	1,228
Tool	Weight	kg	88	115	155
	Diameter	mm	120	135	150
Operating Pressure(Breaker)	bar	150-170	160-180	160-180	160-180
Setting Pressure(Machine)	bar	200	210	220	220
Impact Rate	bpm	450-700	450-600	400-550	300-400
Accumulator Head Pressure(N2-Gas)	bar	60			
Back Head Pressure(N2-Gas)	bar	6	6	6	13
Required Oil Flow	lpm	90-120	125-150	160-190	190-250
Suitable Excavator	min	ton	15	19	25
	max	ton	19	25	36



The main points is valve and cylinder adjusters to change frequency according to demolition work conditions.

AKB Medium & Large

Main Parts

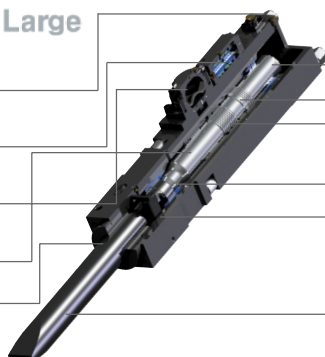
Through Bolt & Nut
High Tension Structure & Tight Taking Main Parts

Control Valve
High Precision Parts Processing
Smooth Oil Flow

Accumulator
Minimizes Fluctuation of Pressure
Ensures Stable Energy

Valve Adjuster
Controls amount of oil flow

Tool Bushing
High Anti-Resistance Material
& Heat-treatment



Back-Head Gas Chamber
Stable Breaking & Impact Energy
Secured Nitrogen Gas Charged

Piston & Cylinder
High Level of Processing & Edge Reprocessing Craftsmanship Alive.
Stable Movement & Max. Impact Power System Applied

Cylinder Adjuster
Controls stroke and adjust frequency by breaking material

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Sustaining Tool Movement & Max. Energy Delivery to Tool

Working Tool
Best Quality Material & Heat-Treatment

Breaker Tool

Right Tool Selection

The right selection of working tool is start of demolition and decide on breaking performance. The tool should be selected by breaking material and job condition as well.



Blunt Shock wave full over material & creating crack
Concrete Breaking, Stone Block, Debris,
Scaling Working for Mine & Tunnel



Chisel Penetration high & cracking
Hard Material, Trenching



Moil Point Shock wave concentrated and penetration high Reinforced Concrete, Hard Material, General Breaking



Flat Slide



Pyramid



Tech Specifications

AKB New Trend - Medium & Large

The built-in valve system of **AKB** is applied to **AKB** medium and large class.

The concept of simple structure and easy maintenance is realized in **AKB** medium & large class by taking the control valve into the main body of breaker.



Description	Unit	AK B 160	AK B 250	AK B 280	AK B 350	AK B 500	AK B 600	AK B 700	AK B 800	AK B 1000
Operating Weight	V	kg	1,525	1,945	2,250	2,750	3,223	3,830	4,539	5,520
	S	kg	1,481	1,911	2,170	2,650	3,038	3,634	4,341	5,215
Main Body Weight	kg	543	795	895	1,057	1,152	1,314	1,700	1,980	2,850
Tool	Weight	kg	90	135	152	163	223	251	302	440
	Diameter	mm	125	140	145	150	155	165	175	190
Operating Pressure(Breaker)	bar	150-170	160-180	160-180	160-180	160-180	160-180	160-180	160-180	160-180
Setting Pressure(Machine)	bar	200	210	220	220	220	220	220	220	220
Impact Rate	bpm	385-550	362-435	334-397	272-360	260-342	241-314	210-290	195-276	195-260
Accumulator Head Pressure(N2-Gas)	bar	60								
Back Head Pressure(N2-Gas)	bar	16	16	16	16	16	16	16	16	16
Required Oil Flow	lpm	90-120	125-150	160-190	160-190	190-50	200-260	210-290	240-340	300-400
Suitable Excavator	min	ton	16	18	26	33	38	42	47	68
	max	ton	18	26	33	38	42	47	57	90

AKB New Range

Main Parts

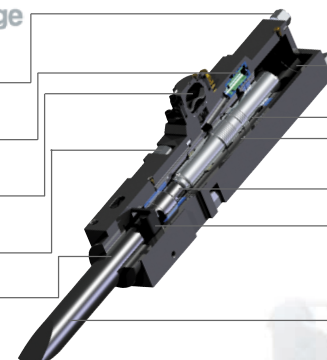
Through Bolt & Nut
High Tension Structure & Tight Taking Main Parts

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Smooth Oil Flow & Constant Breaking Energy

Accumulator
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Auto Grease Pump

Easy Greasing

AKB auto grease kit is very simple and installation does not require high skill. For grease supplement, manual sucking and cartridge are available. The existing greasing system requires skill to install and the cost is too high as well. The amount of greasing is to be adjusted and disassemble is done by one push button.

Model	CA-62	CA-53
Exterior Dimension	98mm×299mm	90mm×305mm
Weight	1.4kg	1.0kg
Application Cartridge	Manufacturer	Fuchs Lubri tech (www.fuchs-lubri-tech.de)
	Cartridge Size	Diameter : 62mm Length : 245mm (Screw : M20 X 2.5)
Application Cartridge	Manufacturer	Total (www.total.com) Golex (www.golex.com) or whatever
	Cartridge Size	Diameter : 53mm Length : 200mm-240mm (Screw : M24 X 2.5)



Cartridge System

Manual Sucking



Multi Function

Demolition Ripper



High Productivity

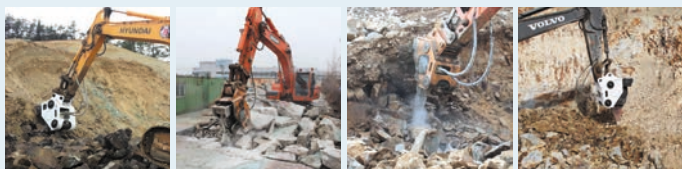
New Era of Demolition

ALL-KOR Multi Vibro - AKM series has multi function for demolition ripper, compactor and concrete - asphalt cutter.

The demolition ripper aims to improve demolition productivity and decrease the noise to be caused by convention demolition.

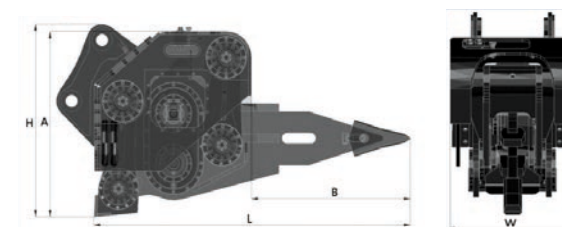
AKM - Ripper is designed to demolish cracked soft - medium hard rock, and its vibration helps high production to be made.

For un-cracked and tightly accumulated stone, the drilled holes are to be made into the rocks.



Tech Specifications

EASY SET-UP



Tech. Spec

Description	Unit	AKM 150VR	AKM 200VR	AKM 300VR	AKM 400VR	AKM 500VR
Weight	kg	1,500	2,300	2,830	4,200	5,400
Flow	l/min	100-200	170-190	180-200	200-220	250-260
Pressure	bar	180-200	210-220	240-250	240-250	240-250
Frequency	rpm	1,500	1,600	1,500	1,300	1,200
Dimension	A	1,160	1,310	1,400	2,140	2,260
	B	900	1,070	1,300	1,680	1,800
	H	1,250	1,376	1,454	1,860	1,950
	L	1,650	2,116	2,440	3,250	3,350
	W	680	705	800	1,100	1,150
Air bag Pressure	bar	4	5	5	5	5
Application Excavator	ton	12-17	18-26	20-30	28-39	38-55

Crushing Bucket

Rock & Concrete Crushing



Demolition & Recycling

AKBC 3000 is engineered to crush concrete (reinforced) and rocks and have a robust structure to endure severe working conditions. Full body is made with Hardox and high anti-wearing steel and structure is designed to maximize crushing efficiency at best. Input gate is designed to accept crushing material in max. and output exit is made to produce final crushed debris to a set size by adjuster.

Tech. Spec

Model	Unit	AKBC 3000
Operating Weight	kg	2,600
Carrier Weight, ton	ton	20-30
Oil Flow	lpm	150
Oil Pressure	bar	200
Bucket Capacity	cbm	0.7
Input Gate Size	mm	700(L) X 500(H)
Input Material Size	%	80% of Input Gate
Gavity	ton/m ³	1.6
Output Debris Size	mm	20-120
Output Capacity	ton/hour	19-50
Overall Height	mm	1,580
Overall Width	mm	1,210
Overall Length	mm	2,420



AKCD CORE DRILL

Single Screw Core Firth Ever



CORE DRILL - ATTACHMENT

Single Screw Driving

The single screw system is adopted for movement of core drill tube and bit and secures speedy drilling in stability and silence as well.

Silence Drilling Comes True

The single core drill is developed for silent drilling in the town and designed to be mounted on excavator

as like hydraulic breaker by sharing the pipe line of attachment

AKDC series core drill is required for the below jobsites.

• Populous areas and environmental claims high

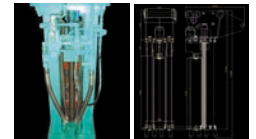
• Concrete Structure

Flexible & Speedy

The conditions of drilling materials, jobsite and others will need a different speed of drilling

and so the speed of core drill should be adjustable. The flexible system of AKCD will allow to drill by its situation and they can move by different speed.

AKDC is on a line of demolition with the current ALL-KOR products, rock splitter and hydraulic breaker. These three machine will work together for environmental demolitions and assist each other.



TECH SPECIFICATIONS

SINGLE SCREW CORE

Description	Unit	Specification
Operating Weight	kg	800-1200
Overall Height	mm	2100
Overall Weight	mm	520
Max. Drilling Depth	mm	1200
Drilling Dia	mm	Ø 80-Ø 207
Shaft Height	mm	1415
Oil Flow	litre	120-250
Oil Pressure	kg/cm ²	150-250
Excavator	ton	6-30
Descending Speed	mm/min	600
Rotation	rpm	200-2200

Drum Cutter

Single/Double Head



Demolition Refurbishment

ALL-KOR drum cutter is made with specialized craftsmanship of demolition equipment and will finish neat surface, profile and corner. In narrow corner, AKDC series will perform well and cut away rough area fast. Low vibration will enable it to work near to weak area, and operation in town will be more comfortable with its low noise level. AKDC is engineered for stable, flexible, silent and low-vibration cutting. It works well for cutting – milling on rock and concrete and its robust driving motor maximizes cutting power.



TRENCH & PIPELINE CONSTRUCTION



TUNNER CONSTRUCTION



DEMOLITION/ CONCRETE/ BUILDING RENOVATION



PROFILING / LEVELLING



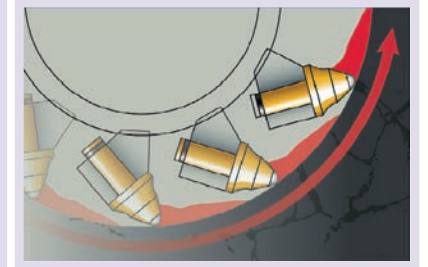
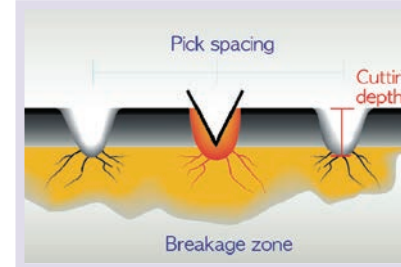
MINING



UNDERWATER OPERATION

• UNDERGROUND CONSTRUCTION / • FROZEN GROUND / • MAKING ROAD ACCESS / • TREE STUMP REMOVAL

Rock Cutting Technology



Features

- **Robust** - long lasting, low maintenance
- **Strong** - maximum cutting power to penetrate the rock
- **Reliable** - spur gear transmission technology

Benefits

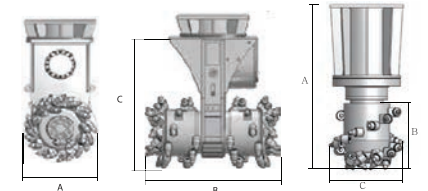
- **Extremely accurate scaling / grinding / profiling**
- **Direct reuse material as backfill**
- **Lower vibrations reduce fatigue**
- **Quite operation in noise sensitive area**
- **Underwater operation**



AKDC H Series



AKDC V Series



AKDC H Series

AKDC V Series

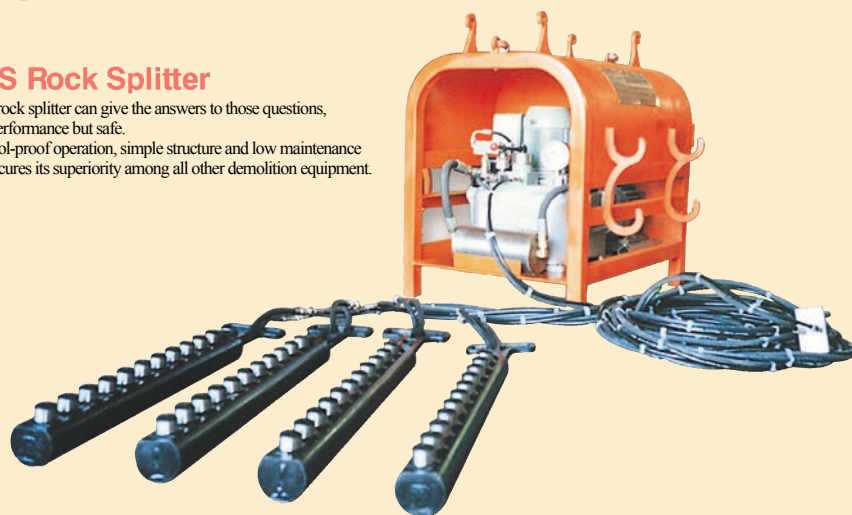
Tech. Spec

Description	Unit	AKDC 50H	AKDC 100H	AKDC 150H	AKDC 200H	AKDC 300H	AKDC 400H	AKDC 500H	AKDC 200V	AKDC 300V	AKDC 400V
Carrier Weight class	ton	3-7	8-15	10-18	15-23	20-35	25-40	35-50	15-23	20-30	25-35
Service Weight	kg	310	470	820	1,000	1,650	1,700	2,600	820	1,200	1,200
Total Length (A)	mm	805	965	1,130	1,200	1,420	1,420	1,580	1,100	1,900	1,900
Total width of cutting head (B)	mm	480	680	780	800	880	1,000	1,240	360	500	500
Diameter of cutter drum (C)	mm	225	450	575	575	670	670	680	450	600	600
Rated Power	kW	30	45	65	80	120	120	160	80	120	120
Oil flow rate	l/min	49-90	75-124	109-170	140-250	190-320	190-320	275-410	140-250	190-320	190-320
Operating pressure	bar	max. 350 bar							max. 350 bar		
Rotational speed	rpm	90-160	80-135	60-90	60-110	60-110	45-85	55-85	60-110	60-110	45-85
Pick Speed	m/s	1.5-2.7	1.7-2.8	1.8-2.7	1.8-3.3	2.1-3.6	1.6-2.7	2.0-2.9	1.8-3.3	2.1-3.6	1.6-2.7
Max. cutting force at 350bar	Nm	17,800	23,200	36,200	50,400	52,200	69,900	81,800	49,500	51,300	68,800
Max. Torque at 350bar	Nm	3,150	5,200	10,400	14,000	17,500	23,400	27,800	14,000	17,500	23,400
Max. rock hardness	MPa	25	40	50	60	70	80	100	60	70	80
Number of picks	Pcs	56	64	44	48	44	48	56	25	35	35
Pick shank diameter	mm	20	20	25	25	30	30	30	30	30	30

High Performance & Wide Applications

CRS Rock Splitter

CRS rock splitter can give the answers to those questions, high performance but safe. The fool-proof operation, simple structure and low maintenance cost secures its superiority among all other demolition equipment.



Low Maintenance & Long Life

CRS is applicable to most of rock and concrete demolition and its principle of operation ensure low maintenance and long life.

Building Foundation
City Rock Demolition
Concrete Demolition
Quarry

Tunneling
Underwater Rock Demolition
Core Drill Demolition



Innovation & New Trend

CRS solves the problems of conventional demolition methods and improves the productivity as well.

CRS will replace old ways of demolitions or make them safe, healthy and economic.



Simple Structure & High Efficiency

CRS rock splitter pushes up the rock to one direction where a free face locates. The opposite side plays a sustaining wall when the splitting pistons soar up to break the materials.

So the most of the power can be used to split the material. All the splitting pistons soar up in a action and the constant power acts to the materials. So finally the splitter can break the material stably and in one soar-up.



Vibration & Noise Free
Simple Operation
Economic & Productive
Maneuverability & Wide Application

The blasting can produce huge quantity of demolition in a short time but incurs the safety problem.

The demolition by hydraulic breaker can be free from the safety matters of blasting but should sacrifice the production volume while causing environmental problems, - noise, dust and vibration.

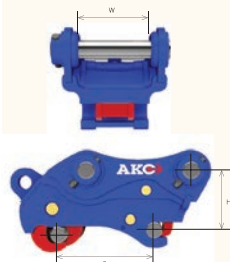


Tech Specifications

Specs Model	Cylinder					Splitting Power(ton)	Drilling Diameter (mm)	No. of Std. Cylinder
	Weight (kg)	Length (mm)	Diameter (φ)	No of Piston	Piston Stroke(mm)			
CRS 75	20	800	75	13	24	1700	85	4
CRS 80	25	770	80	12	26	1500	89	4
CRS 85	25	770	85	11	27	1500	89-95	4
CRS 95	33	800	95	9	27	1600	102-105	3
CRS 150	36	280	140	2	50	474	150	2
CRS 200	40	200	198	1	70	600	203	1

Multi Safety Locks

Hydraulic & Automatic Pin Locking



THIRD LOCK

Synchronized with secondary lock through sync link. The lock provides firm and safe grip of your attachments.

PRIMARY HOOK

Actuated by hydraulic cylinder. Independent to secondary and third lock. The blocks stay on even in the event of hydraulic failure.

SECONDARY LOCK

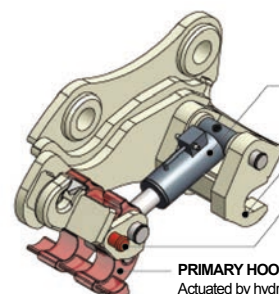
Spring applied secondary lock is independent of primary hook once engaged. Highly visible to operator.

Tech. Spec

Model No.	Carrier	Pin Center (C)		Pin Height (H)		Pin Width (W)		Pin Dia.		Weight	
	mt	mm	inch	mm	inch	mm	inch	mm		kg	lb
AK Q 60MS	4.5-6.0	245	9.6	175	6.9	155	6.1	45	62	136	
		310	12.2	183	7.2	172	6.8	-	77	169	
		245	9.6	175	6.9	160	6.3	45	72	158	
AK Q 80MS	6-8	390	15.4	183	7.2	200	7.9	60	98	216	
		374	14.7	230	9.1	247	9.7	60	180	396	
AK Q 150MS	8-15	450	17.7	245	9.6	275	10.8	65	235	517	
		430	16.9	285	11.2	300	11.8	70	267	587	
AK Q 180MS	15-18	500	19.7	295	11.6	325	12.8	80	324	713	
		430	16.9	285	11.2	305	12	75	330	726	
AK Q 250MS	18-25	535	21.1	295	11.6	340	13.4	90	365	803	
		480	18.9	320	12.6	325	12.8	80	480	1,056	
AK Q 360MS	25-36	563	22.2	335	13.2	410	16.1	90	559	1,230	
		525	20.7	375	14.8	370	14.6	100	650	1,430	
AK Q 450MS	30-45	622	24.5	390	15.4	481	18.9	110	737	1,621	
		560	22	380	15	410	16.1	100	765	1,683	
AK Q 550MS	45-55	685	27	395	15.6	510	20.1	120	897	1,973	

Single Lock

Quick Mounting Attachment Safely



HYDRAULIC CYLINDER

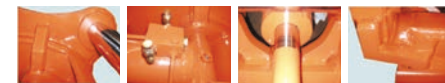
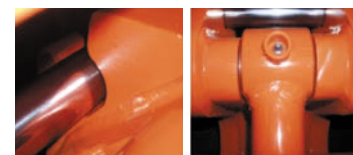
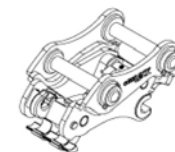
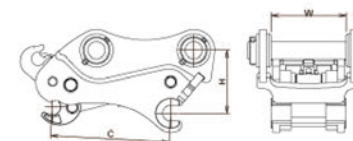
Equipped with integrated lock valve. Even in the event of hose failure, the hooks stay on.

FIXED LUG

SAFETY PIN
Manually installed after primary hook is engaged.

PRIMARY HOOK

Actuated by hydraulic cylinder to firmly grip the pin.



Tech. Spec

Model No.	Carrier	Pin Center (C)		Pin Height (H)		Pin Width (W)		Pin Dia.		Weight	
	mt	mm	inch	mm	inch	mm	inch	mm		kg	lb
AK Q 15	0.6-1.5	80	3.1	145	5.7	80	3.1	22	23	51	
		113	4.4	160	6.3	108	4.3	26	30	66	
		80	3.1	145	5.7	95	3.7	30	26	57	
AK Q 20	1.5-2.0	155	6.1	165	6.5	119	4.7	-	34	75	
		135	5.3	150	5.9	122	4.8	35	32	70	
		220	8.7	170	6.7	180	7.1	40	49	108	
AK Q 45	2.0-4.5	220	8.7	175	6.9	150	5.9	45	60	132	
		310	12.2	183	7.2	172	6.8	-	75	165	
		240	9.4	175	6.9	160	6.3	45	70	154	
AK Q 80	6-8	390	15.4	183	7.2	200	7.9	60	91	200	
		360	14.2	220	8.7	218	8.6	60	175	385	
		450	17.7	240	9.4	275	10.8	65	210	462	
AK Q 150	8-15	380	15	275	10.8	280	11	70	250	550	
		495	19.5	290	11.4	310	12.2	80	305	671	
		380	15	285	11.2	305	12	75	270	594	
AK Q 250	18-25	535	21.1	290	11.4	334	13.1	90	350	770	
		485	19.1	330	13	325	12.8	80	470	1,034	
		563	22.2	335	13.2	410	16.1	90	549	1,208	
AK Q 360	25-36	525	20.7	385	15.2	370	14.6	100	640	1,408	
		622	24.5	395	15.6	481	18.9	110	720	1,584	
		560	22	390	15.4	410	16.1	100	750	1,650	
AK Q 450	30-45	655	25.8	395	15.6	510	20.1	120	880	1,963	
		640	25.2	400	15.7	530	20.9	100	1,120	2,464	
		900	35.4	410	16.1	680	26.8	130	1,255	2,761	