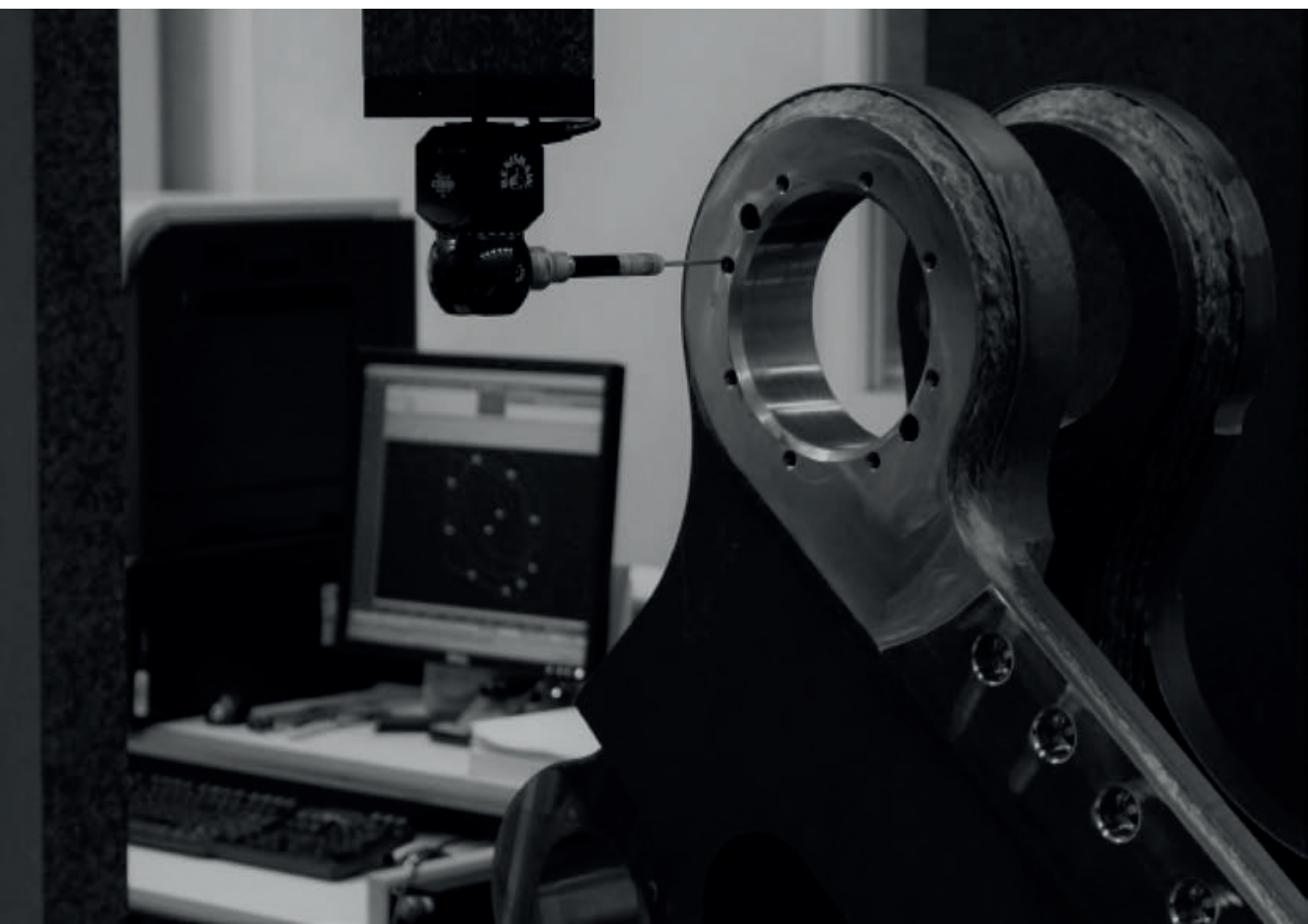


# Catalogue









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More than 40 years of knowledge and expertise



Explore the products available from Arden Equipment, an innovator since 1956 and one of the few French manufacturers of equipment for public works machinery.

Through products that combine ingenuity and innovation, the design of Arden Equipment tools embodies high technical standards, durability, and performance.

Arden Equipment uses a responsible, certified process and a talented team available to help you research and develop your plans.

Arden Equipment offers a wide range of high-quality equipment that keeps pace with ever increasing market standards.



230 employees



Customers on 6 continents



Annual investment of €2m



7 subsidiaries



Turnover €32m





# Arden Equipment **guarantees**

## 1 **Quality**

All **Arden Equipment** employees have adopted a comprehensive **customer satisfaction** policy. **Arden Equipment** combines engineering, technical expertise and **know-how** to manufacture durable, high-performance equipment to provide our customers with the most cost-effective and efficient solution. We thoroughly review each and every request in order to offer **equipment perfectly adapted** to the needs of our partners.

## 3 **A company backed by strong values**

The women and men of Arden Equipment are our company's greatest asset.

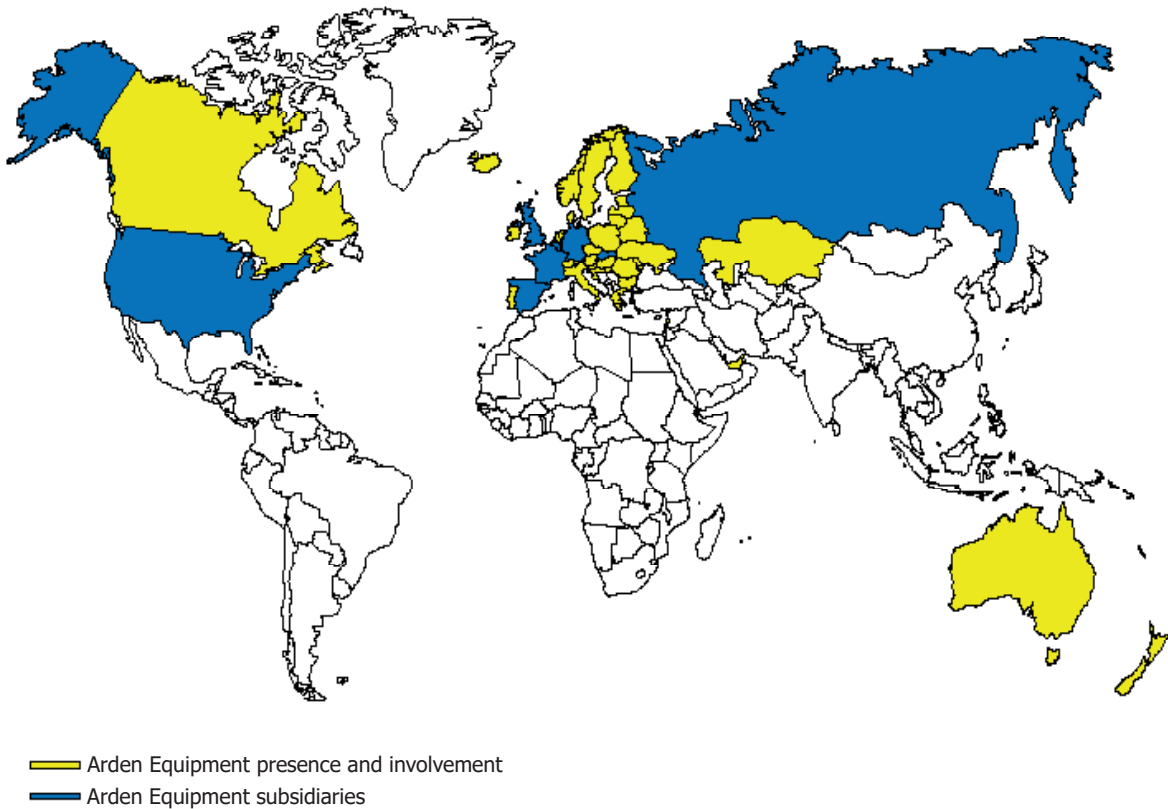
## 2 **Safety and environmental protection**

**Safety** is one of our top priorities, and we are committed to manufacturing equipment that **reduces risks** at work sites.

The environmental impact of **demolition sites** has become a **major** concern. We are proud to develop **technologies** that help to address these issues, like the **Arden Jet**, the first water spraying system to be integrated into equipment to cut **down on dust emissions**.

## **Arden Equipment, a market leader**

**Active in many markets**, the company targets multiple sectors, including **demolition, recycling, earthmoving, rehandling, quarries and rail**.







# QUICK HITCHES

## **Quick Arden: QA**

page 8

## **Uni-Arden couplers: UA**

page 12

## **Verachttert hitches: AECW**

page 18

## **AIO 50**

page 20



# Quick Arden – QA



**0.8 – 53 tons**

**8 models**

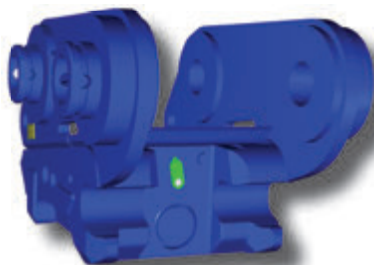
**Compatible with EN 13031**

**Hydraulic or mechanical version**

**Auto ratchet**

**Compact**

**Optional reversible bucket**



## FEATURES

The Quick Arden QA is an auto ratchet quick hitch for handling buckets. The QA is available in two versions:

### Mechanical

With key release and auto ratchet (The QA05 is available in this configuration exclusively.)

### Hydraulic

Controlled from the cab (The QA72 is available in this configuration exclusively.)

QAs for up to 11 tons have been developed for a reversible bucket to allow equipment to be attached in the desired configuration:

- **Backhoe**
- **Front loading for working on an incline**

## BENEFITS

### ► Compactness

Arden Equipment QAs are compact, which reduces the distance between the arm and blade. This means that the loss of strength at the tooth is reduced, while the original kinematics are maintained. The equipment plates themselves are also compact, which greatly stabilises the positioning of the equipment with less offset load.

### ► Return on investment

It takes about 3 minutes to change the tool when the excavator is equipped with a QA, compared to 30 minutes with a direct hitch.

Time savings

Cost savings

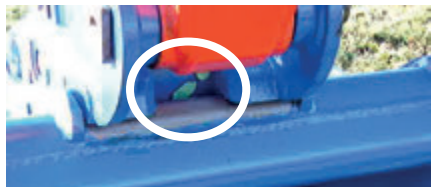
### ► Machine versatility

QAs are used to handle various tools.

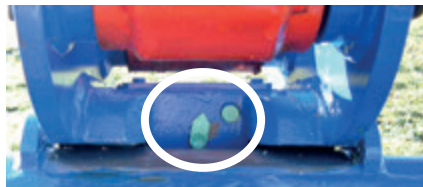


### ► Operator safety

On the mechanical version, the operator leaves the cab only once to release the hitch with a lever. The operator can check an indicator in the cab to verify that the safety system is engaged.



**Locked position**



**Unlocked position**

## TECHNICAL APPEARANCE

### Resistance

The QA's base and mechanism are made of cast steel for maximum strength.

### Permanent automatic gap adjustment

With its conical lug and tilting system, the QA and bucket are always in contact, which allows for permanent automatic gap adjustment. Wear strips are available at an affordable price.

It can be unlocked with an automotive Allen key, providing for greater flexibility and no risk of immobilisation in case of loss or theft.

### Protection and durability

The hitch's engagement and locking mechanism is fully protected in a sealed housing. Its mechanism is lubricated for life due to submersion in semi-fluid grease.

The QA is easy to maintain because only the lug needs to be lubricated. This makes the QA more durable.

### Reversibility

Models for up to 11 tons have been developed for a reversible bucket. It is therefore possible to attach the equipment based on the needed configuration, no matter what type of work is required.

## OPTIONS

- Hydraulic control circuit and casing for installed Arden Equipment hydraulic QA
- Hook with catch
- Arden Tilt (page 23)
- Arden TiltRotor (page 29)

## OPTIONAL KITS

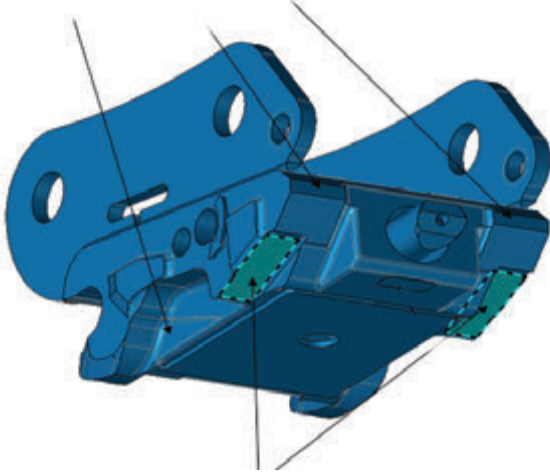
- Retro grab kits for mounting on the QA to handle perpendicular equipment, like grabs and clamshell grabs
- Arden Equipment has developed various kits that can be adapted to the QA hitch to optimise the handling of all buckets. There are three kits available:
  - **non-stop modification kit** to convert any bucket for use with an Arden Equipment bucket.
  - **stop modification kit** for QA05, QA12 and QA22 to convert any bucket for use with all QA quick hitches for excavators under 11 tons.
  - **retro grab kit** for QAs to be able to use a pendular equipment with all QA hitches.

# Reversibility

## Improvements

QA12R and QA22R hitches have been improved to allow equipment to be used in reverse.

Modified shape for new clearance areas



Modified casting to provide two new bearing surfaces



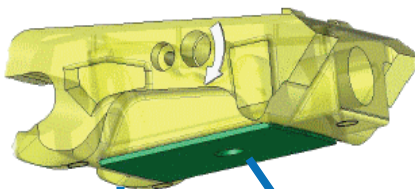
Front loading for  
working on an incline



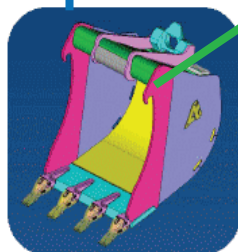
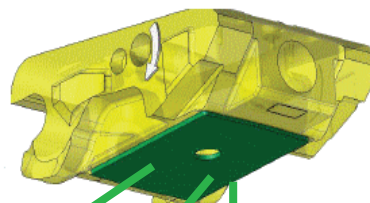
Retro loading for  
backhoe work

## QA compatibility

QA11 & QA21  
not compatible  
with reversible tool

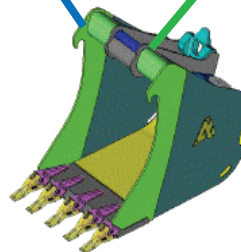


QA12 & QA22  
compatible  
with reversible tool



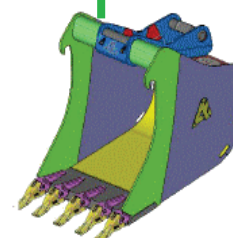
Retro bucket  
with standard QA-1 kit

**Non-Reversible**



Retro bucket  
New generation  
with standard QA-1 kit

**Non-Reversible**

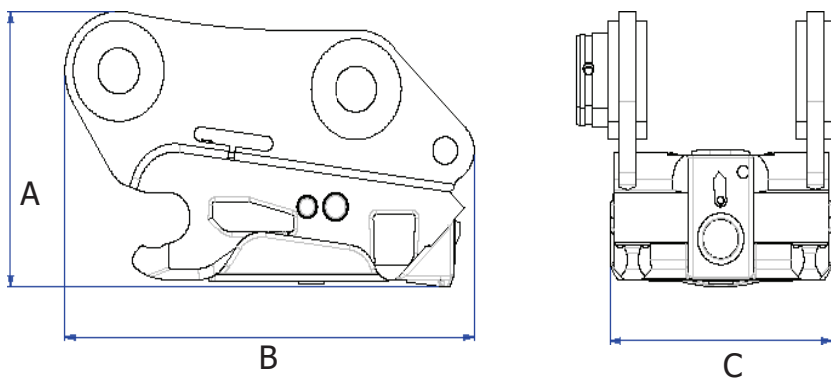


Retro bucket  
New generation with  
reversible QA-2 kit

**Reversible**



## TECHNICAL SPECIFICATIONS



### Hydraulic version (H)

Lifting capacity	Model no.	A Height	B Length	C Width	Hydraulic		Min bucket width	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>b (max)</i>	<i>l/min</i>	<i>mm</i>	<i>kg</i>
2.5 – 6	<b>QA12H</b>	200	450	215	350*	20/30	250	40
7 – 11	<b>QA22H</b>	250	500	260			300	70
12 – 15	<b>QA32H</b>	350	650	320			370	135
16 – 19	<b>QA42H</b>	420	700	370			430	180
20 – 26	<b>QA52H</b>	450	750	410			485	280
27 – 37	<b>QA62H</b>	500	850	560	350	20/30	650	430
38 – 53	<b>QA72H</b>	760	950	760			850	620

Note: machinery hitches with no adjustable bearing

\* If the 10-bar pressure reduction kit is installed. Hydraulic recommendations are 350 bars for releasing and 10 bars for locking.

### Mechanical version (M)

Lifting capacity	Model no.	A Height	B Length	C Width	Min bucket width	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>
0.8 – 3	<b>QA05A</b>	180	350	180	205	22
2.5 – 6	<b>QA12M</b>	200	450	215	250	40
7 – 11	<b>QA22M</b>	250	500	260	300	70
12 – 15	<b>QA32M</b>	350	650	320	370	135
16 – 19	<b>QA42M</b>	420	700	370	430	180
20 – 26	<b>QA52M</b>	450	750	410	485	280
27 – 37	<b>QA62M</b>	500	850	560	650	430

Note: machinery hitches with no adjustable bearing

# Uni-Arden couplers – UA



0.8 – 53 tons

7 models

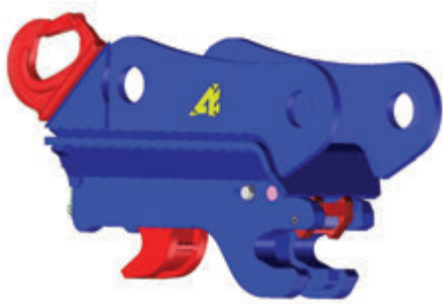
Compatible with EN 13031

Hydraulic version

Versatility

Accommodates different pins and centres

Reversible



## FEATURES

The Arden Equipment UA coupler was designed to handle:

- **original buckets** with machine dimensioned pins
- **MAX buckets** with fitted pins in the beam to maintain the strength of the tooth
- **other brands of buckets** if compatible

It makes it possible to work with buckets in a retro or tilt configuration.

UA couplers are compatible with the EN13031 standard.





## BENEFITS

### ► **Machine versatility**

Thanks to its V-shaped hooks, it is possible to handle buckets with different sized centres or pins. A single coupler is enough to be able to use all fleet equipment, subject to compatibility. The Arden Equipment UA coupler is the only coupler on the market with this level of versatility.

### ► **Adaptability**

As with all Arden Equipment products, the coupler's adaptations have been designed to expand its use and usefulness.

Arden Equipment couplers can be adapted for Liebherr SW33/48 hitches. This makes it possible to use all machinery and equipment.

### ► **Safety**

The safety valve installed on the dual-acting cylinder ensure maximum operating safety.

## TECHNICAL APPEARANCE

### **Constant automatic gap adjustment**

The V-shaped hooks combined with constant pressure on the cylinder allow for constant automatic gap adjustment.

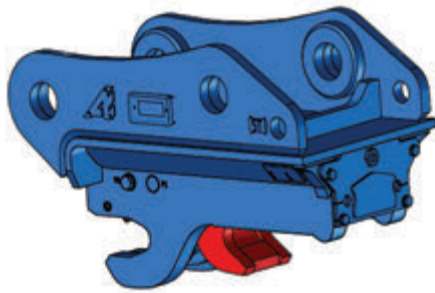
## OPTIONS

- Hook with catch
- Arden Tilt (page 23)
- Arden TiltRotor (page 29)

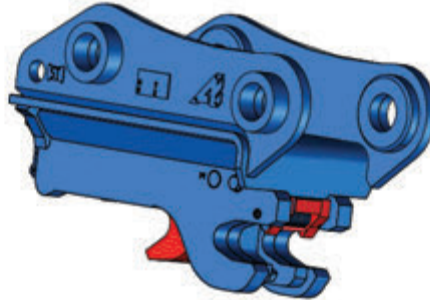
## OPTIONAL KITS

- Hydraulic kit available for installation on all hydraulic models if the excavator is not equipped.
- Kit containing removable factory pins
- Kit containing cast pins for original buckets and MAX buckets
- Kit containing removable couple pins based on the model

# UA coupler Series 3

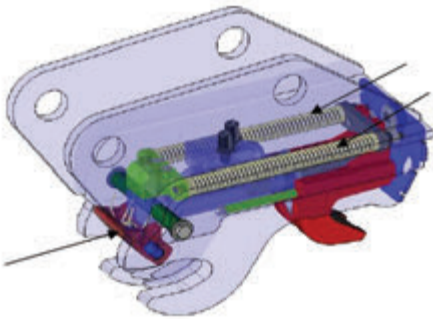


**SLIDER**



**FRONT HOOK**

**FRONT  
LOCKING  
PIN PALLET**



**SPRINGS**

## OPERATION

Arden Equipment has developed a new generation of UA couplers with a cylinder equipped with a pilot-operated check valve and a safety valve reinforced with:

- 2 compression springs acting as a primary mechanical safety device
- 1 pin locking pallet on the front pin

## BENEFITS

### ► **Versatility**

New generation UAs make it possible to handle and broach factory buckets, buckets by any other manufacturer and buckets with connector pins of varying technical characteristics.

### ► **Flexibility**

With UAs, it is possible to work in retro mode or tilt mode, as needed.



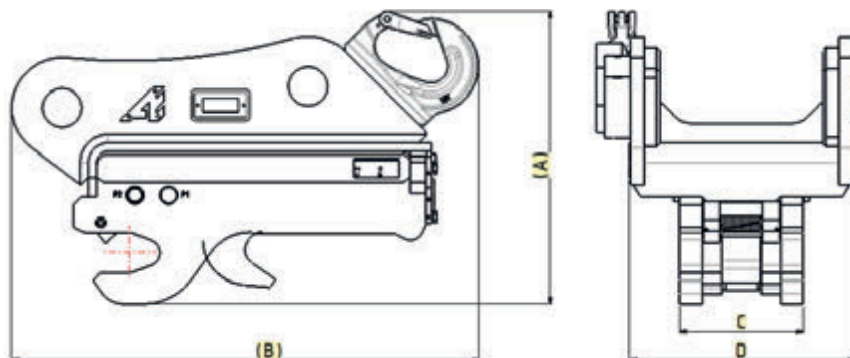
## TECHNICAL SPECIFICATIONS

UA couplers	mechanical version	hydraulic version	mounted with hook (optional)			
			3 T	8 T	10 T	15 T
UA13		✓	✓			
UA23		✓	✓			
UA33		✓		✓		
UA43		✓			✓	
UA53		✓			✓	
UA63		✓				✓

### Lifting levels

Machinery type	Lifting capacity	Model no.	Max force on teeth
-	tons	p/n	tons
Light-duty machinery	2.6-6	<b>UA13</b>	3.5
	7-11	<b>UA23</b>	7.5
Service machinery	12-15	<b>UA33</b>	9.5
	16-19	<b>UA43</b>	12.5
	20-26	<b>UA53</b>	17.5
Output machinery	27-37	<b>UA63</b>	24

### Dimensions



Lifting capacity	Model no.	A	B	C	D	Equipment weight
tons	P/N	mm	mm	mm	mm	kg
2.6 – 6	<b>UA13-1</b>	383	190	120	220	50
	<b>UA13-2</b>	428	201.5	120	220	50
7 – 11	<b>UA23-1</b>	506	228	160	300	60
12 – 15	<b>UA33</b>	643	289	220	440	287
16 – 19	<b>UA43</b>	643	289	220	400	287
20 – 26	<b>UA53</b>	726	327	280	470	333
27 – 37	<b>UA63</b>	375	817	320	570	??

## ATTACHMENT POSSIBILITIES

Model no.	Pin Ø 35mm		Pin Ø 40mm		Pin Ø 45mm		Pin Ø 50mm	
<i>P/N</i>	<i>Min centre</i>	<i>Max centre</i>	<i>Min centre</i>	<i>Max centre</i>	<i>Min centre</i>	<i>Max centre</i>	<i>Min centre</i>	<i>Max centre</i>
<b>UA13-1</b>	165	220	175	235			-	-
<b>UA13-2</b>	-	-			218	270	228	285
<b>UA23-1</b>					263	309	275	325

Model no.	Pin Ø 55mm		Pin Ø 60mm		Pin Ø 65mm		Pin Ø 70mm		Pin Ø 80mm		Pin Ø 90mm		Pin Ø 100mm	
<i>P/N</i>	<i>Min centre</i>	<i>Max centre</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>
<b>UA23-2</b>	285	340	290	355										
<b>UA33-1</b>			345	410	354	426	363	441						
<b>UA33-2</b>			285	350	294	366	303	381						
<b>UA43-1</b>			345	410	354	426	363	441						
<b>UA43-2</b>			285	350	294	366	303	381						
<b>UA43-3</b>									363	458				
<b>UA53</b>									391	500	411	531		
<b>UA63</b>											450	554	469	585





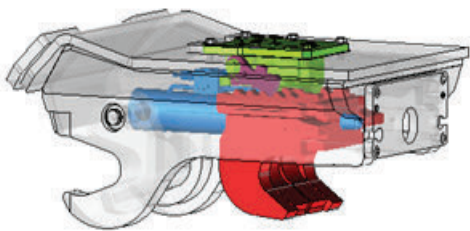
# Coupler UA72H

Arden Equipment has designed a coupler for the biggest lifters supporting more than 38 tons.

## 350-BAR CYLINDER WITH BUILT-IN SAFETY VALVE

If the pressure drops upstream of the cylinder, the cylinder remains under pressure and locked.

## HIGH TENSILE STEEL FRAME AND SLIDER



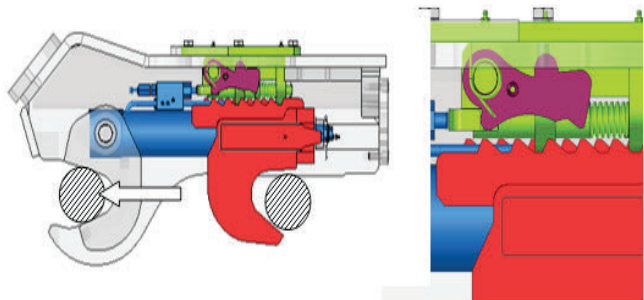
## NEW MECHANICAL RATCHETED SAFETY SYSTEM (PATENTED)

If the pressure drops in the cylinder (internal leak, etc.), a mechanical ratcheted/cogged safety system prevents the equipment from being released unintentionally. Complies with ISO13031:2016

## OPERATION

When locked, the slider cannot retract if the ratchet is obstructed on the cog. The ratchet is held in this configuration by a torsion spring, making it completely unaffected by the pressure.

When the coupler is released, a micro-cylinder holds the ratchets in an unlocked position as the main cylinder is retracted, and the slider can release the rear pin from the equipment.



## ATTACHMENT POSSIBILITIES

Lifting capacity	Model no.	Pin Ø 90mm		Pin Ø 100mm		Pin Ø 110mm		Pin Ø 120mm	
tons	P/N	Min centre	Max centre	Min centre	Max centre	Min centre	Max centre	Min centre	Max centre
38-53	UA72SH	430	555	450	585	475	620	495	655
38-53	UA72LH	480	605	500	635	525	670	545	705

# AECW hitches



**0.8 – 65 tons**

**7 models**

**Hydraulic and mechanical version**

**Mechanical version convertible into hydraulic version**

**Permanent automatic gap adjustment in hydraulic version**



## FEATURES

Arden Equipment's AECW range can be mounted on buckets with a specific EACW imprint or on buckets with reversible hitches.

Depending on the model, it is available for mechanical and hydraulic machinery.

AECW20 to AECW55 hitches are available in standard and Small (S) versions.

## OPTION

- Cardan for AECW10 to AECW40 hitches

## OPTIONAL KITS

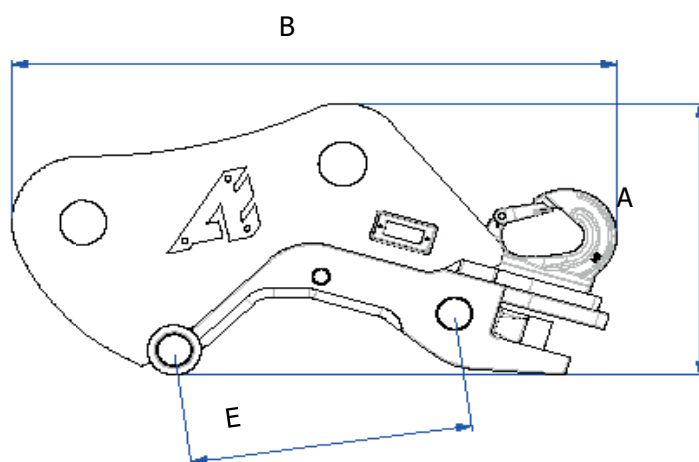
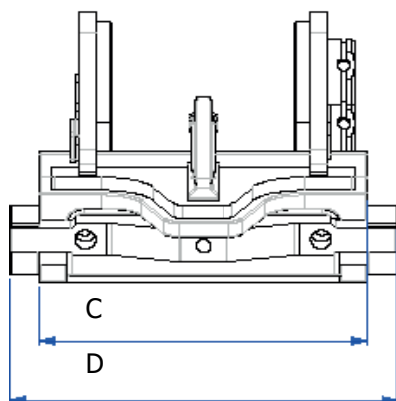
- Reduction kit for excavators with a locking pressure of more than 60 bars
- Hydraulic kit for mounting on excavators without a quick hitch line under pressure (including a 60-bar pressure reducer)





## TECHNICAL SPECIFICATIONS

Hitches	mechanical version	hydraulic version	equipped with a hook		
			3 T	5 T	10 T
<b>CW05</b>	✓	✓	✓		
<b>CW10</b>	✓	✓		✓	
<b>CW20</b>	✓	✓			✓
<b>CW30</b>	✓	✓			✓
<b>CW40</b>	✓	✓			✓
<b>CW45</b>		✓			
<b>CW55</b>		✓			



Lifting capacity	Model no.	A	B	C	D	E	Hydraulic		Min bucket width	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>b (max)</i>	<i>l/min</i>	<i>mm</i>	<i>kg</i>
0.8 – 3	<b>AECW05</b>	230	480	175	235	200	250	20/30	220	35
3 – 11	<b>AECW10</b>	350	640	310	390	300	250	20/30	370	110
12 – 15	<b>AECW20/S</b>	450	930	550/420	650/520	475	350	20/30	630	255
16 – 19	<b>AECW30/S</b>	450	930	550/420	651/520	475	350	20/30	640	275
20 – 31	<b>AECW40/S</b>	450	930	550/420	652/420	475	350	20/30	640	290
25 – 45	<b>AECW45/S</b>	560	1000	690/550	820/680	570	350	20/30	750	410
40 – 65	<b>AECW55</b>	Contact us								

# AIO 50



**18 – 30 tons**

**Quick hitch with an automatic electrical and hydraulic connection for excavators**  
**Automatic lubrication**

## FEATURES

Arden Equipment introduces the AIO system for the quick and safety changing of mechanical and hydraulic equipment from the cab.

It allows the operator to connect and disconnect hydraulic (oil and water) lines and electrical lines from the cab. It also makes it easy to switch from ATR to BBH/CU/AS or S-clamp.

## BENEFITS

- ▶ **Tools changed in just a few seconds**
- ▶ **Increased excavator efficiency and versatility**
- ▶ **No more oil dropped at work sites**
- ▶ **One person for all equipment**

## TECHNICAL SPECIFICATIONS

- Available on 18 to 30 ton machinery.
- Same dimensions as the S70 standard.
- 6 hydraulic couplers:
  - 2 x DN8
  - 2 x DN15
  - 2 x DN19
- 1 electrical connector



MADE IN FRANCE  
FABRICATION FRANÇAISE

FT

AE

TYPE  
P200  
ANNO  
1990  
CE



AE

P200-NEW-18  
14/2019  
747





# ARDEN TILT

## **Arden Tilt: QA**

page 25

## **Arden Tilt: UA**

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# Arden Tilt



**0.8 – 32 tons**

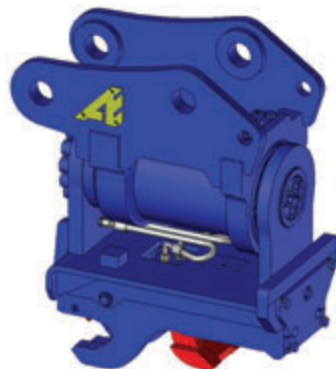
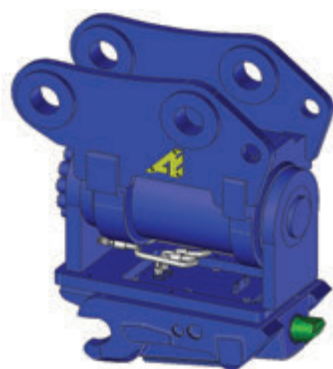
**9 models**

**Available on QA, UA hitches**

**Lifter versatility**

**Bucket tilting up to 120° or 180° (varies by model)**

**Less equipment at the work site**



## FEATURES

The Arden Tilt is an equipment tilting system. It makes it possible to tilt any equipment (bucket or other) up to 180° (90° in both directions) or 120° (60° in both directions), depending on the model.

It is ideal for:

- **earthmoving**
- **clearing**
- **cleaning ditches**
- **trenching**
- **finishing slopes**

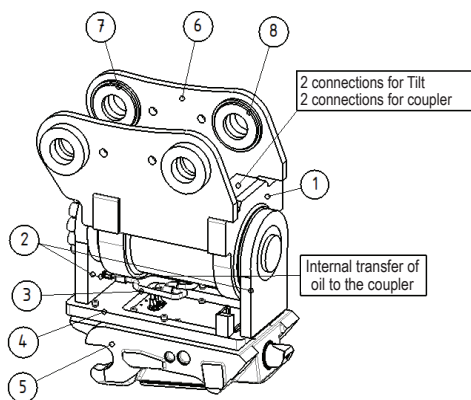
The Arden Tilt contains the following main parts:

1. a rotating system
2. a machine adapter manufactured for the lifter and welded to the top of the rotating system
3. a Quick Arden or Uni Arden quick hitch welded beneath the rotating system
4. a hydraulic kit specific to the quick hitch mounted on the machine

## BENEFITS

The Arden Tilt's built-in quick hitch hydraulic line guide (internal guide) simplifies the routing of hoses and ensures that oil is safely transferred to the coupler (no overflowing hose).



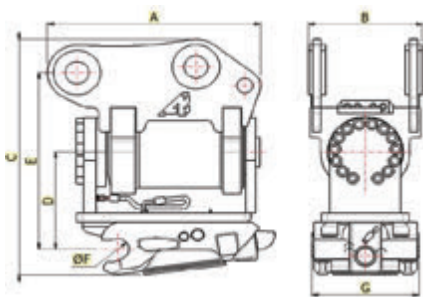


# Arden Tilt for QA

- 1 Rotating system with quick hitch hydraulic guide
- 2 Clevis feed
- 3 Hydraulic connection
- 4 QA2M&HT adapter plate
- 5 QA2M&HT Arden quick hitch
- 6 Machine hitch adapter
- 7 Arm joint
- 8 Rod joint
- 9 Handling holes

The Arden Tilt uses Quick Arden (QA) quick hitch technology, which makes it possible to instantly change equipment on the hydraulic excavator or backhoe loader. The hitch is always combined with an AE connector (special QA kit) welded to the bucket. Most QA models are available in an Arden Tilt version.

## ARDEN TILT AND QA TECHNICAL SPECIFICATIONS



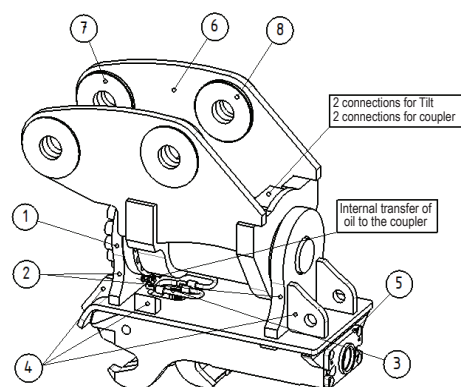
Lifting capacity	Model [rot-QA system]	Equipment weight	A*	B*	C*	D	E*	F	G	Max tilt	Tilt Motor Torque (daNm) at 21 MPa	Tilt Holding Torque (daNm) at 225MPa	Pressure ****	Min-Max oil flow	Hydro connections (Num:4)	Max force on teeth (t)
T	P/N	kg	mm	mm	mm	mm	mm	mm	mm	°	Nm	Nm	MPa	l/min	Num:4	tons
0.8-1.8	<b>AT4.5QA05A</b> [PTA4.5NG-QA05A]	50	335	190	445	195	355	40	180	180	95	245	21	3-7	G1/8" **	1.5
2-3	<b>AT030QA05A</b> [PTA030NG-QA05A]	55	315	190	455	190	365	40	180	180	165	640		6-19	G1/8" **	2.5
3-5	<b>AT050QA12(H&amp;M)T</b> [PTA050NG-QA12(H&M)T]	105	390	260	512	210	410	45	215	180	265	935		15-35	G1/8" **	3
5-7	<b>AT070QA12R(H&amp;M)T</b> [PTA070NG-QA12(H&M)T]	120	540	290	580	225	410	45	215	180	440	1485		22-45	G1/4" **	3.5
8-10	<b>AT100QA22R(H&amp;M)T</b> [PTA100NG-QA22(H&M)T]	180	550	290	695	262	480	55	260	180	675	2045		25-60	G1/4" **	6
11-15	<b>AT180QA32HT</b> [PTA180NG-QA32HT]	330	730	385	775	294	545	65	320	120	1350	4072		40-80	G1/4"	9.5
15-18	<b>AT180QA42HT</b> [PTA180NG-QA42HT]	370	740	390	790	300	550	75	370	120	1350	4072		40-80	G1/4"	12
19-24	<b>AT240QA52HT</b> [PTA240NG-QA52HT]	540	750	465	850	355	630	85	410	120	1815	5310		50-100	G1/4"	15
25-32	<b>AT300QA62HT</b> [PTA300NG-QA62HT]	680	920	650	980	380	675	100	560	120	2525	7033		60-120	G1/4"	21

\*Approximate dimensions. \*\*Mechanical, hydraulic feed quick hitch on Tilt only.

\*\*\*Actuator must be disassembled to access the inside of the quick hitch.

\*\*\*\*Pressure rating of the Tilt supply circuit.

# Arden Tilt for UA

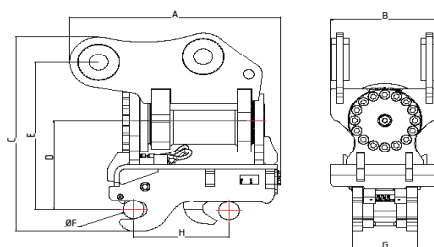


The Arden Tilt uses Uni-Arden (UA) universal coupler technology, which handles various equipment (AE or competitor equipment) easily, as long as the equipment has a standard pin connector and allows hooks to pass through.

Most UAs are available in an Arden Tilt version.

- 1 Rotating system
- 2 Lower support plates
- 3 Hydraulic connection
- 4 UAx3H adapter (Hydro-Tilt)
- 5 Uni-Arden (UAx3H – Hydro-Tilt)
- 6 Machine hitch adapter
- 7 Arm joint
- 8 Rod joint
- 9 Handling holes

## ARDEN TILT AND UA TECHNICAL SPECIFICATIONS




Lifting capacity	Model [rot-QA system]	Equipment weight	A*	B*	C*	D	E*	F/H min-max	G	Max tilt	Tilt Motor Torque (daNm) at 21MPa	Tilt Holding Torque (daNm) at 22.5MPa	Pressure **	Min-Max oil flow	Hydro connections	Max force on teeth
T	P/N	kg	mm	mm	mm	mm	mm	mm	mm	°	Nm	Nm	MPa	l/min	Num:4	T
8-10	<b>AT100UA23H</b> [PTA100NG-UA23H]	200	550	290	690	310	525	40 / 216-357 50 / 237-390 60/259-422	160	180	675	2045		25-60		6
11-15	<b>AT180UA33H</b> [PTA180NG-UA33H]	360	885	385	820	352	610	50 / 266-452 60 / 287-484 70 / 309-517	200	120	1350	4072		40-80		9.5
15-18	<b>AT180UA43H</b> [PTA180NG-UA43H]	400	950	460	850	365	625	60 / 301-480 70 / 322-512 80 / 344-545	240	120	13500	4072	21	40-80	G1/4"	12
19-24	<b>AT240UA53H</b> [PTA240NG-UA53H]	580	1015	520	1050	440	715	70 / 326-508 80 / 348-541 90 / 369-573	280	120	1815	5310		50-100		16
24-32	<b>AT300UA63H</b> [PTA300NG-UA63H]	790	1070	700	1080	478	802	80 / 359-539 90 / 381-571 100 / 402-604	320	120	2525	7033		60-120		21

\*Approximate dimensions.

\*\*Pressure rating of the Tilt supply circuit.

To limit the torque on the rotating system (tilting mechanism), it is important to take into account the following dimensional limitations for connected equipment:

Model	 (T)	Bucket characteristics	
		width (mm)	capacity ( l )
AT4.5QA05A	08 – 1.8	max 900	90
AT030QA05A	2 – 3	max 900	130
AT050QA12R	3 – 5	max 1000	200
AT070QA12R	5 – 7	max 1200	250
AT100QA22R/AT100UA23	8 – 10	max 1300	370
AT180QA32/AT180UA33	11 – 15	max 1600	500
AT180QA42/AT180UA43	15 – 18	max 1700	750
AT240QA52/AT240UA53	19 – 24	max 1800	900
AT300QA62/AT300UA63	25 – 32	max 2000	1250

Theoretically, the model is chosen based on the above dimensions.

The Arden Tilt system is sold for a specific application:

- The equipment’s various components must be sized to the lifter.
- The machinery and various types of equipment for the Arden Tilt must comply with Arden Equipment’s specifications. Do not exceed the maximum recommendations.

**Contact us for additional information or specific information about the equipment’s technical specifications.**





# ARDEN TILTROTOR

## **Arden TiltRotor: QA**

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## **Arden TiltRotor: UA**

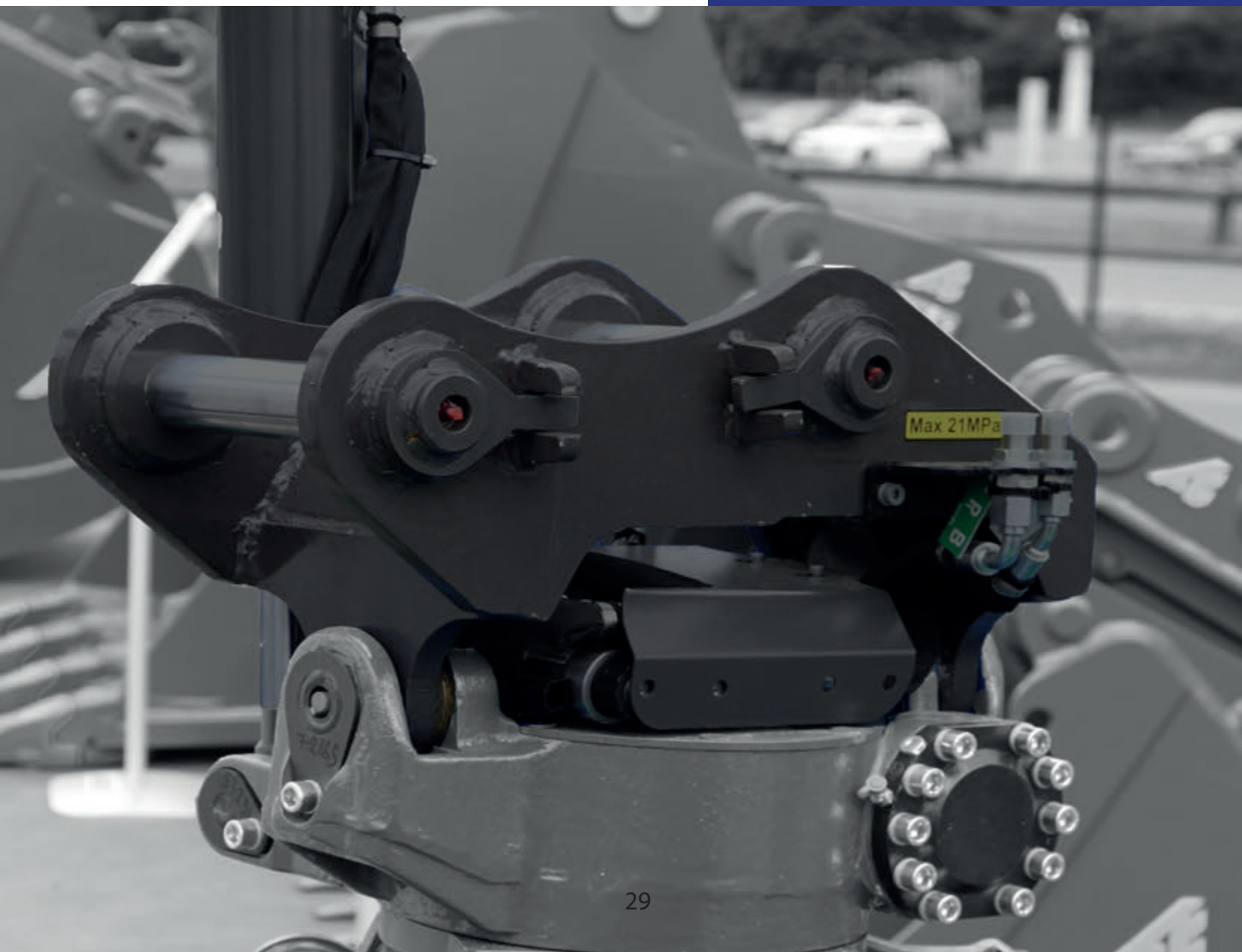
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## **Arden TiltRotor: AECW**

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## **Arden TiltRotor: S**

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# Arden TiltRotor



**0.8 – 30 tons**

**Available on QA, UA, AECW, S**

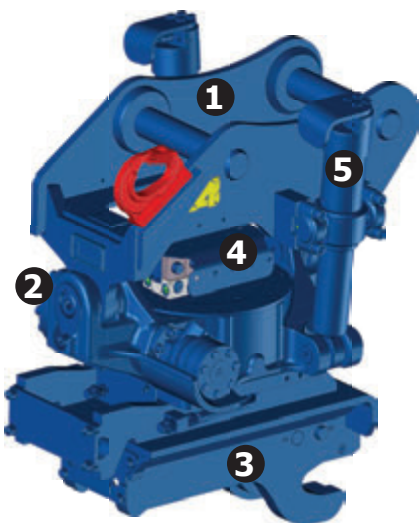
**Lifter versatility**

**360° rotation**

**Bucket tilting by 40°**

**Less equipment at the work site**

**Management and control system using special joysticks**



- 1 Top hitch for direct mounting or quick hitch kit
- 2 Central tilt and rotation assembly
- 3 Quick Arden quick hitch QA1HRT, Uni-Coupler UA, CW and S
- 4 Control system
- 5 Telescopic cylinders (ATR10 and up)
- 6 Lifting hook
- 7 Grab module attachment

## FEATURES

The Arden TiltRotor is a hydraulic device mounted between the excavator and the equipment. It allows the equipment to rotate and tilt. This accessory increases the machine's versatility (excavator or hydraulic excavator) by eliminating the need for additional equipment at the work site.

The equipment connected to the Arden TiltRotor is equipment used for excavation work. To maximise the life of the equipment, it is best to avoid work like breaking up frozen earth, heavy demolition and hydraulic hammer work.

- ➔ Tilting angle of 40° on each side
- ➔ Endless 360° rotation
- ➔ 12/24V DC electrical system

The Arden TiltRotor is designed with two cylinders or one cylinder, depending on the model (except ATR006).

## OPTIONS

- Grab module
- Additional hydraulic line
- Control joystick
- Self-lubricating (centralised lubrication)



## BENEFITS

### ► Flexibility

The Arden TiltRotor rotates 360° (crown and auger) and tilts 40° (by the action of one or two cylinders, depending on the model) in all directions.

### ► Control system

The Arden TiltRotor can be equipped with various control systems (different circuits), depending on the hydraulic characteristics of the machinery to be equipped.

### ► Joystick control from the cab

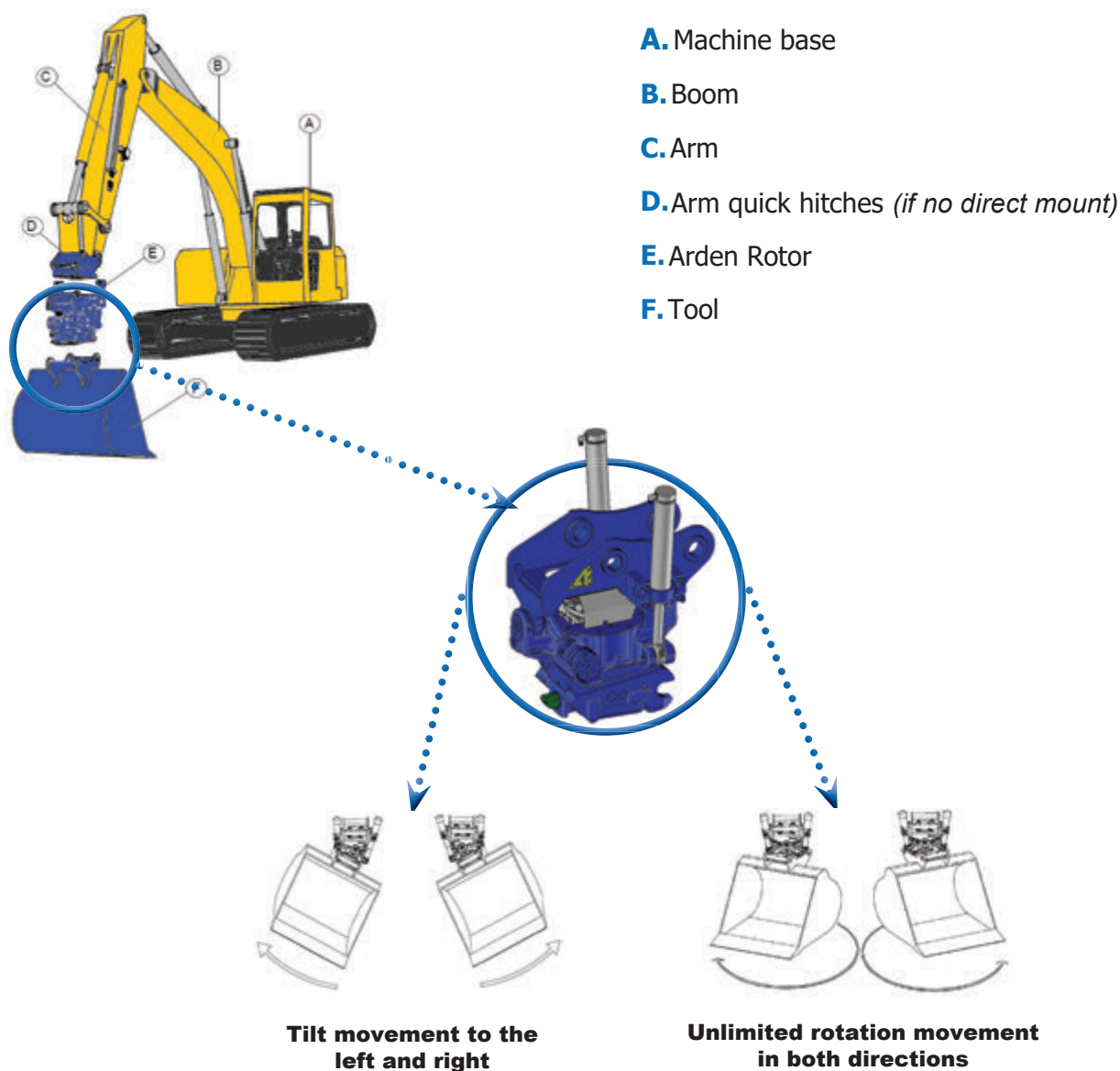
The Arden TiltRotor is controlled by special joysticks, allowing the operator to efficiently perform precise, state-of-the-art work without always having to move the machinery.

### ► Safety

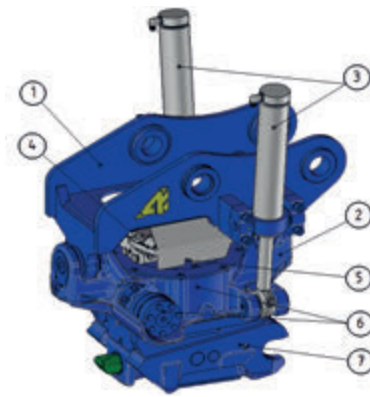
The working environment is safer for the operator and for those working near the machinery.

### ► Telescopic cylinders

These ensure compactness and give the operator more flexibility.



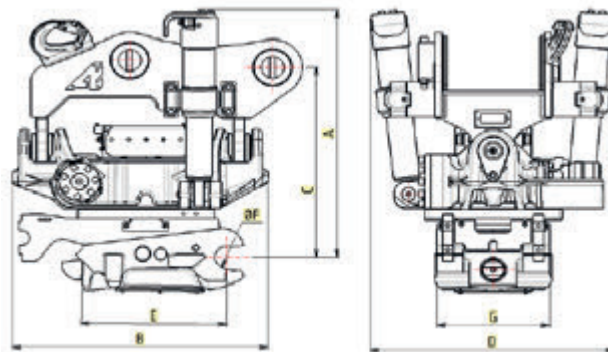
# Arden TiltRotor for QA



The Arden TiltRotor ATR-QA lets you keep all your old and new generation QA equipment.

- 1 Top hitch for direct mounting
- 2 Cast steel frame
- 3 Tilt cylinders
- 4 Control system
- 5 Rotating joint
- 6 Hydraulic motor
- 7 Quick Arden quick hitch (QAx2H-RT)

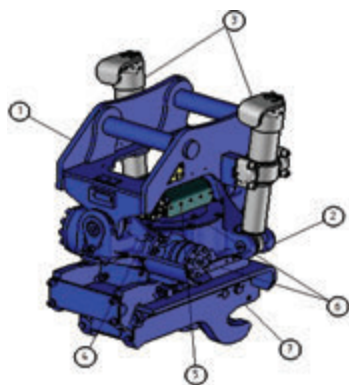
## ARDEN TILTROTOR AND QA TECHNICAL SPECIFICATIONS



Lifting capacity (t)	Model	Equipment weight (kg)*	Dimensions (mm)							Tilt motor torque (Nm)	Rotor speed (s/1tr)	Pressure (bars)	Min-Max oil flow (l/min)	Max force on teeth (t)
			A	B	C	D	E	F	G					
3-6	<b>ATR006-QA12</b>	>190	720 740*	495*	390 410*	415 470*	290	45	215	1230	7	180/210	40-80	3.5
6-10	<b>ATR010-QA22</b>	>325	870 890*	590 640*	475 515*	600*	347	55	260	2060/ 2530**	7	180/210	40-70	6
10-15	<b>ATR015-QA32</b>	>500	906 1002*	726 807*	500 595*	668 789*	408	65	320	2340/ 3410**	7	180/210	50-90	9.5
14-18	<b>ATR018-QA42</b>	>660	920*	770*	540*	810*	454	75	370	3700/ 4600**	7	180/210	50-90	12
16-22	<b>ATR022-QA52</b>	>790	1060 1130*	530 1000*	610 650*	830 850*	500	85	410	4100/ 5200**	7	180/210	50-90	14
22-30	<b>ATR028-QA62</b>	>1080	1080 1130*	920 1040*	610 750*	860 920*	561	100	560	4200/ 5300**	10	180/210	70-120	18

\* The dimensions are approximate and may vary depending on the top hitch and cylinders used.

\*\* The Tilt's torque may vary depending on the type of cylinders used.

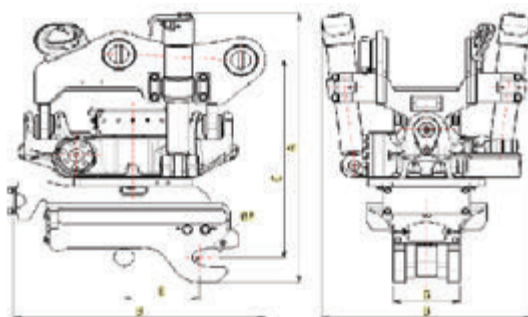


# Arden TiltRotor for UA

- 1 Top hitch for direct mounting
- 2 Cast steel frame
- 3 Tilt cylinders
- 4 Control system
- 5 Rotating joint
- 6 Hydraulic motor
- 7 Quick Arden quick hitch (UAx2H-RT)

The Arden TiltRotor ATR-UA gives you the same benefits as the UA with the versatility of the TiltRotor.

## ARDEN TILTROTOR AND UA TECHNICAL SPECIFICATIONS



Lifting capacity (t)	Model	Equipment weight (kg)***	Dimensions (mm)						Tilt motor torque (Nm)	Rotor speed (s/1tr)	Pressure (bars)	Min-Max oil flow (l/min)	Max force on teeth (t)
			A	B	C	D	F/E [MIN-MAX] mm	G					
3-6	<b>ATR006-UA13H</b> <b>[ST06-UA13H]</b>	180	945	545	575	440	35/165-220 40/175-235 45/218-270 50/228-285	120	1230	7	18/21	30-70	2
7-10	<b>ATR010-UA23H</b> <b>[ST10-UA23H]</b>	300	915	595	630	610	45/263-309 50/275-325 55/285-340 60/290-355	160	2060/2530	7	18/21	30-60	3
9-12	<b>ATR012-UA32H</b> <b>[ST12-UA23H]</b>	350	930	620	635	650	60/290-355	160	2400/2620	7	18/21	30-60	3.3
11-15	<b>ATR015-UA33H</b> <b>[ST15-UA33H]</b>	450	985	855	725	700	60-285-410 65/294-426 70/303-441 80/367-458	220	2340/3140	7	18/21	40-80	5
15-18	<b>ATR018-UA43H</b> <b>[ST18-UA43H]</b>	610	1125	900	780	805	80/367-458	220	3700/4600	7	18/21	40-80	7.5
19-22	<b>ATR022-UA53H</b> <b>[ST22-UA53H]</b>	740	1165	965	845	860	80/391-500 90/411-531	280	4100/5200	7	18/21	40-80	9
23-26	<b>ATR028-UA53H</b> <b>[ST28-UA53H]</b>	800					80/391-500 90/411-531	<b>280</b>	5200/5300	10	18/21	50-100	10
26-30	<b>ATR028-UA63H</b> <b>[ST28-UA53H]</b>	910	-	-	-	-	90/450-554 100/469-585	-	5200/5300	10	18/21	50-100	12

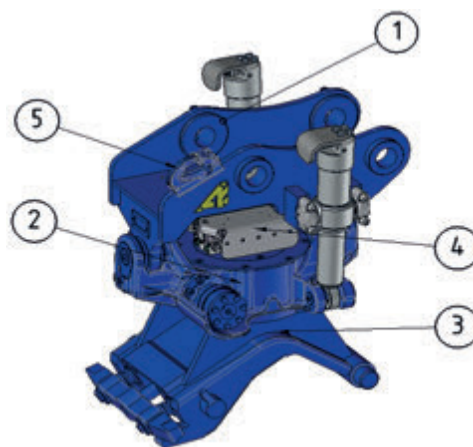
\* The dimensions are approximate and may vary depending on the top hitch and cylinders used.

\*\* The Tilt's torque may vary depending on the type of cylinders used.

\*\*\* Approximate weight given for Arden TiltRotor with a direct hitch.



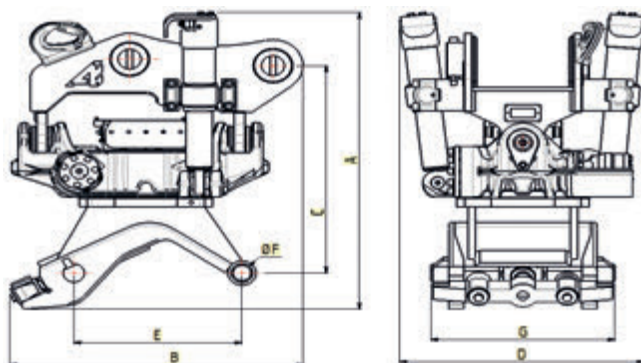
# Arden TiltRotor for AECW



- ① Top hitch for direct mounting or quick hitch kit
- ② Central tilt and rotation assembly
- ③ CW coupler
- ④ Hydraulic control valves
- ⑤ Lifting hook

The Arden TiltRotor ATR-CW includes CW (Verachttert type) quick hitch technology. The hitch is always combined with a specific connector (special CW).

## ARDEN TILTROTOR AND AECW TECHNICAL SPECIFICATIONS

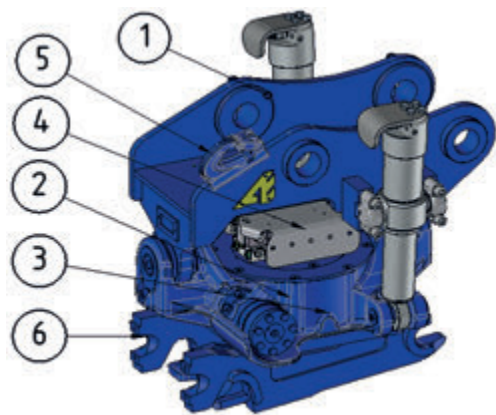


Lifting capacity (t)	Model [Actuator-CW]	Equipment weight (kg)*	Dimensions (mm)							Motor torque Tilt (Nm)	Rotor speed (s/1tr)	Min-Max pressure (l/min)	Min-Max oil flow (l/min)	Module Grab (Option)	Tele-scopic cylinders	Max flow Extra (l/min)	Max force on teeth (t)
			A	B	C	D	E	F	G								
3-6	<b>ATR006-CW10H</b>	170	740	495	500	415/470	200	40	175	1230	7	18/21	30-70	GM S40	No	25	2
7-10	<b>ATR010-CW10H</b>	290	890	640	590	600	300	50	310	2060/2530	7	18/21	30-60	GM S45/50	Option	25	3
9-12	<b>ATR012-CW10H</b>	340	900	650	620	650	300	60	310	2400/2620	7	18/21	30-60	GM S45/50	Option	25	3.3
11-15	<b>ATR015-CW20(S)H</b> <b>ATR015-CW30(S)H</b>	490	970	830	675	668/789	475	60	(420) 550	2340/3140	7	18/21	40-80	GM S60	Option	40	5
15-18	<b>ATR018CW30(S)H</b>	600	1020	860	540	810	475	60	(420) 550	3700/4600	7	18/21	40-80	GM S60	Option	40	7.5
19-22	<b>ATR022CW40(S)H</b>	670	1130	1000	730	830/850	475	60	(420) 550	4100/5200	7	18/21	40-80	SM S70	Option	50	9
22-30	<b>ATR028CW40(S)H</b>	840	1150	1040	820	860/920	475	60	(420) 550	5200/5300	10	18/21	50-100	GM S70	Option	50	12

\* The dimensions are approximate and may vary depending on the top hitch and cylinders used.

\*\* The Tilt's torque, given at 21 MPa, may vary depending on the type of cylinders used.

\*\*\* Approximate weight given for an Arden TiltRotor with a direct hitch.

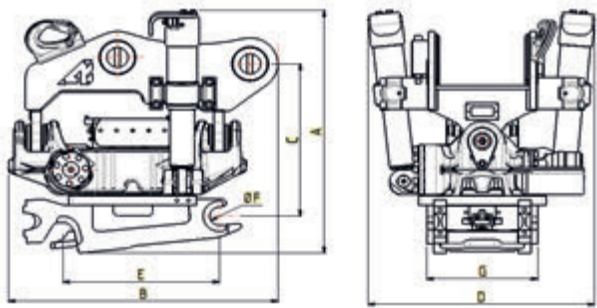


# Arden TiltRotor for Couplers S

- 1 Top hitch for direct mounting or quick hitch kit
- 2 Central tilt and rotation assembly
- 3 CW coupler
- 4 Hydraulic control valves
- 5 Lifting hook
- 6 Grab module hook system

The Arden TiltRotor ATR-S includes Scandinavian quick hitch technology.

## ARDEN TILTROTOR AND S COUPLER TECHNICAL SPECIFICATIONS



Lifting capacity (t)	Model [Actuator-CW]	Equipment weight (kg)*	Dimensions (mm)							Tilt motor torque (Nm)	Rotor speed (s/1tr)	Min-Max pressure (l/min)	Min-Max oil flow (l/min)	Grab module (Option)	Telescopic cylinders	Max flow extra (l/min)	Max force on teeth (t)
			A	B	C	D	E	F	G								
3-6	ATR006S40H	140	360	495	500	415/470	300	40	200	1230	7	18/21	30-70	GM S40	No	25	2
7-10	ATR010-CW10H	250	790	640	590	600	430	45/50	288	2060/2530	7	18/21	30-60	GM S45/50	Option	25	3
9-12	ATR012S50H	320	800	650	620	650	430	50	288	2400/2620	7	18/21	30-60	GM S45/50	Option	25	3.3
11-15	ATR015S60H	460	790	830	675	668/789	480	60	338	2340/3140	7	18/21	40-80	GM S60	Option	40	5
15-18	ATR018S60H	580	840	860	540	810	480	60	338	3700/4600	7	18/21	40-80	GM S60	Option	40	7.5
19-22	ATR022S60H	650	980	1000	730	830/850	480	60	338	4100/5200	7	18/21	40-80	SM S70	Option	50	9
22-30	ATR028S70H	800	1010	1040	820	860/920	670	70	448	5200/5300	10	18/21	50-100	GM S70	Option	50	12

\* The dimensions are approximate and may vary depending on the top hitch and cylinders used.

\*\* The Tilt's torque, given at 21 MPa, may vary depending on the type of cylinders used.

\*\*\* Approximate weight given for an Arden TiltRotor with a direct hitch.





# EXCAVATOR BUCKET

## **Retro bucket**

page 39

## **Standard cleaning bucket**

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## **Tilted cleaning bucket**

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## **Skeleton bucket**

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## **Multifunction or 4x1 bucket**

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## **Trapezoid bucket**

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## **Rock tooth**

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## **Rock bucket/ROC**

page 52

## **Banana bucket**

page 53

## **Pallet fork**

page 54

## **Scraper bucket**

page 55



# Excavator Bucket



**0.8 – 120 tons**

**Customisable range of buckets**

**Available in QA plates, AECW and welded or removable pins**

**High-resistance steel**

**Many available wear parts**

**Several finish levels, depending on the application: UG, US, UC**

## FEATURES

Arden Equipment has developed a range of buckets to suit all needs.

All of our buckets can be adapted as required and can be custom-made, and their finishing can be fully adapted to your purposes.

Arden Equipment buckets can be mounted with **direct hitches** or with Arden Equipment quick hitches. They can also be adapted for Verachtert AECW, Liebherr **SW** and Volvo **S** quick hitches.

### **The bucket is chosen based on various criteria:**

1. the lifter
2. the lifter's configuration (chassis, length of the boom and arm, digging cylinder)
3. the type of work (General Use-UG, Severe Use-US, Quarry Use-UC)
4. the density and nature of the handled materials (fit with the load recommended by the excavator's manufacturer)

**Many wear parts** are fitted to our buckets not only to maintain quality, but also to increase their durability and ease of penetration. Some examples of the parts you'll be able to replace:

- reversible bolted counter-blade
- band protection
- corner heel
- bimetal sticker
- boom counter-blade (welded or welded on teeth)
- inter-teeth shield
- **You can mount your chosen teeth there**

Bucket adaptation kits and QA modification kits are available for optimal handling of all buckets. Learn more on page 9.



# Retro Bucket

## THE RETRO PROFILE IS AVAILABLE IN 3 VERSIONS

GENERAL USE UG	SEVERE USE US	QUARRY USE UC
Designed for earthmoving in soft and medium-hard materials (clay, earth, etc.).	Designed for earthmoving in compact and abrasive materials (sand, limestone).	Designed for hard earthmoving in quarries with highly abrasive materials (rock) or for handling blocks from demolitions.
Equipped with Arden Equipment standard teeth	Equipped with Arden Equipment or Roc standard teeth	Equipped with Roc teeth
	Lateral protections with upper teeth, thicker sheet metal, curves, and ski belts for greater durability.	A double bottom and belts parallel to the blade to prevent wear between the plates.
		The width and capacity are smaller to allow for better penetration (due to the small radius).

## ANTI-ABRASION STEEL 450HB

Can be mounted at the **end of the arm**, on a **traditional hitch** or a **quick hitch**.



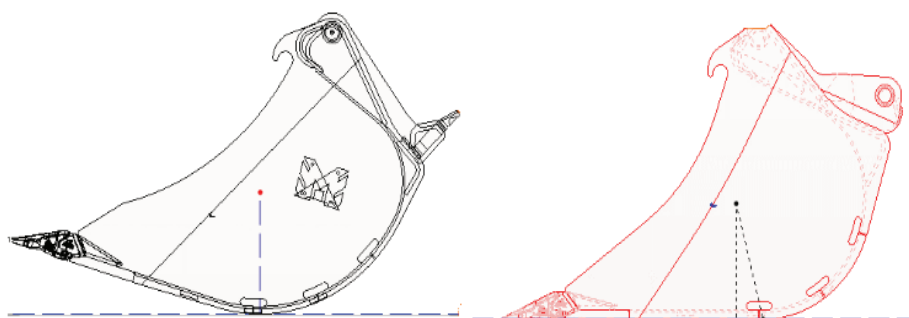
## “NEW GENERATION” RETRO BUCKET

Arden Equipment has developed a new series of flat retro buckets that offer bucket stability with optimal ground support.

They are available for 0.8 to 38-ton lifters.



### FEATURES



The all-new Arden Equipment retro buckets are designed to remain flat and avoid tipping.

The “new generation” buckets resemble a “T” profile.

- ▶ **Prevents accidents when the buckets are stored**
- ▶ **More easily accessible when locking the bucket in tilt/reversible mode**

### BENEFITS

The flat “new generation” retro buckets are designed for:

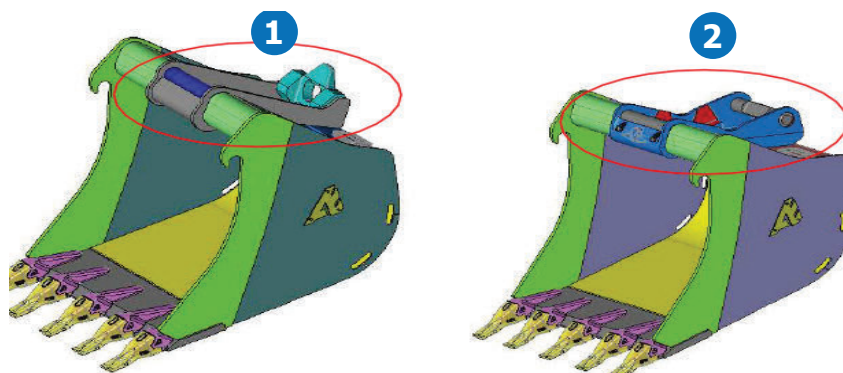
- ▶ **Increased penetration**
- ▶ **Optimal filling**
- ▶ **Allows for quick tool handling**
- ▶ **Boosts safety at work sites**

### “REVERSIBILITY” OPTION

The reversibility option was added for buckets in Quick Arden (QA) mode.

Available in 2 versions:

1. Retro bucket with standard QA-1 kit  
→ **Non-Reversible**
2. Retro bucket with reversible QA-2  
→ **Reversible**



MAX BUCKET

Arden Equipment designed the MAX bucket to work with the UA coupler compactly to maximise the excavator’s digging force (force on the tooth).

Pins are incorporated in the beam and are oversized for handling loads.



T-PROFILE RETRO BUCKET

SEVERE USE

QUARRY USE

Class 300 to Class 600  
R30 – R40 – R50 – R60 – R70 – R80 – R90 – R100

“T Profile” buckets are designed for penetration rather than capacity. These buckets are versatile, used for earthmoving, and make it easier to handle blocks.

On all models of retro buckets for 0.8 to 19-ton lifters, there are handling hooks mounted on the sides of the blankets to easier transport at the work site (e.g., using the cleaning bucket).



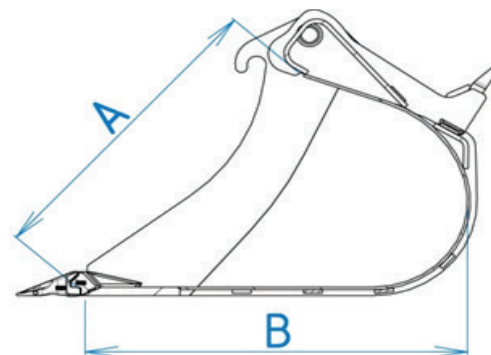
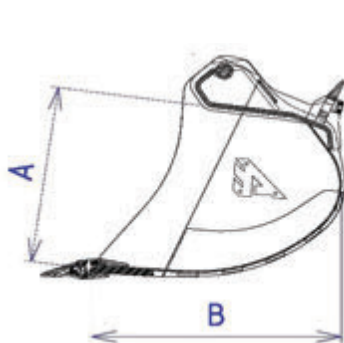
SHIELD OPTION

Shield option available on class 500 and higher retro buckets for Quarry Use



- 1. cast corner heels
- 2. welded bimetal sticker
- 3. welded or keyed band protections
- 4. welded or keyed inter-teeth shields

## RETRO BUCKET TECHNICAL SPECIFICATIONS



	P/N			Product range	Dimensions & Weight		
Lifting capacity	General Use	Severe Use	Quarry Use	Min width/volume (in litres) > max width/volume (in litres)	A Height	B Depth	Equipment weight*
tons	P/N	P/N	P/N	mm/l > mm/l	mm	mm	
1.1 – 1.4	<b>R05G05</b>	<b>R05S05</b>	-	205/14 > 400/24	272	347	29 > 39
1.5 – 2	<b>R05G11</b>	<b>R05S11</b>	<b>R05C11</b>	205/20 > 600/65	375	420	33 > 64
2.1 – 2.5	<b>R05G31</b>	<b>R05S31</b>	<b>R05C31</b>	205/25 > 600/90	480	468	38 > 71
2.6 – 3	<b>R10G12</b>	<b>R10S12</b>	<b>R10C12</b>	205/35 > 900/155	442	488	**60 > 134
3.1 – 4.9	<b>R10G22</b>	<b>R10S22</b>	<b>R10C22</b>	205/50 > 1000/255	584	647	**78 > 181
5 – 6	<b>R10G32</b>	<b>R10S32</b>	<b>R10C32</b>	250/59 > 1000/310	655	697	**82 > 191
6 – 7.5	<b>R20G12</b>	<b>R20S12</b>	<b>R20C12</b>	300/90 > 1000/375	685	805	125 > 282
8 – 10	<b>R20G22</b>	<b>R20S22</b>	<b>R20C22</b>	300/110 > 1000/510	790	885	135 > 318
10 – 11	<b>R25G22</b>	<b>R25S22</b>	<b>R25C22</b>	400/150 > 1100/505	790	883	178 > 389
12 – 15	<b>R30G31</b>	<b>R30S31</b>	<b>R30C31</b>	450/260 > 1200/830	1010	897	324 > 572
12 – 15	-	<b>R30ST1</b> (T profile)	<b>R30CT1</b> (T profile)	450/220 > 1200/710	983	1089	353 > 560
16 – 19	<b>R40G31</b>	<b>R40S31</b>	<b>R40C31</b>	500/300 > 1300/1050	949	1152	413 > 777
16 – 19	-	<b>R40ST1</b> (T profile)	<b>R40CT1</b> (T profile)	500/320 > 1300/990	1098	1255	504 > 800
20 – 26	<b>R50G21</b>	<b>R50S21</b>	<b>R50C21</b>	600/460 > 1300/1100	1010	1146	616 > 1224
20 – 26	<b>R50G41</b>	<b>R50S41</b>	<b>R50C41</b>	800/550 > 1500/1550	1130	1227	652 > 1416
20 – 26	-	<b>R50ST1</b> (T profile)	<b>R50CT1</b> (T profile)	600/495 > 1500/1435	US: 1120	US: 1310	US: 725 > 1340
27 – 30	-	<b>R55S41</b>	<b>R55C41</b>	800/700 > 1700/1750	1130	1230	**955 > 1600
27 – 30	-	<b>R55ST1</b> (T profile)	<b>R55CT1</b> (T profile)	800/660 > 1700/1625	1120	1310	**917 > 1554
27 – 37	<b>R60G31</b>	<b>R60S31</b>	<b>R60C31</b>	800/890 > 1700/1940	1226	1377	1000 > 1982
27 – 37	-	<b>R60ST1</b> (T profile)	<b>R60CT1</b> (T profile)	800/665 > 1700/1740	US: 1281	US: 1424	US: 1178 > 2120
38 – 53	-	<b>R70S31</b>	<b>R70C31</b>	1300/1800 > 2000/3000	1252	1475	2100 > 3076
54 – 90	-	<b>R80S31</b>	<b>R80C31</b>	1500/2170 > 2200/4120	1575	1610	2970 > 4290
54 – 90	-	<b>R80S41</b>	<b>R80C41</b>	1500/3100 > 2200/4700	1685	1780	3200 > 4590
71 – 90	-	-	<b>R90C21</b>	contact us			
71 – 90	-	-	<b>R90C41</b>				

\* Weight with QA, no teeth \*\*Weight with original hitch and teeth  
Some models have parallel sides. Please contact us.





UG

US



UC

# Standard/fixed cleaning Bucket



## FEATURES

These cleaning buckets are used for:

- cleaning ditches
- cleaning rivers
- surface stripping
- loading

### Profiles:

1. flat bottom
2. rounded bottom

## OPTIONS

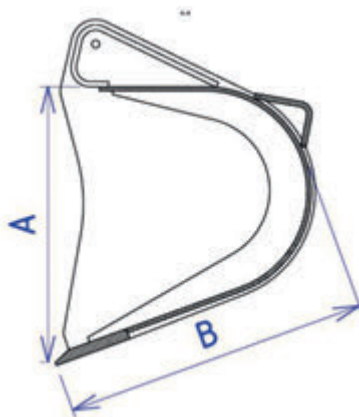
Several options are available, depending on the version:

- Belts
- Rear blade for smoothing surfaces
- Bare blade
- Bolted counter-blade
- Boom counter-blade (except class 50)

The width and capacity of these cleaning buckets may vary according to the lifter.



## STANDARD CLEANING BUCKET TECHNICAL SPECIFICATIONS



	P/N		Product range	Dimensions & Weight		
Lifting capacity	Standard profile	Flemish profile	Width/volume (in litres)	A Height	B Depth	Equipment weight <sup>1</sup>
tons	P/N	P/N	mm/l (> mm/l)	mm	mm	kg
0.8 – 1	<b>C05R03</b>	-	600/24 > 1200/49	220	270	30 > 50
1.1 – 1.4	<b>C05R05</b>	-	600/37 > 1200/77	272	347	39 > 64
1.5 – 2.5	<b>C05R08</b>	-	600/65 > 1200/130	375	420	56 > 95
2.6 – 3	<b>C12R08</b>	<b>C12R12</b>	1000/105 > 1200/125	350	390	90 > 102
2.6 – 3	<b>C10F12</b>	<b>C10F09</b>	1000/120 > 1200/145	404	435	91 > 104
3.1 – 4.9	<b>C12R11</b>	<b>C12R22</b>	1200/170 > 1500/220	385	440	123 > 147
3.1 – 4.9	<b>C10F22</b>	<b>C10F12</b>	1200/205 > 1500/260	459	490	125 > 149
5 – 6	<b>C10F32</b>	<b>C10F16</b>	1400/325 > 1600/375	564	562	154 > 170
max 10	<b>C22R13</b>	<b>C22R12</b>	1500/270	429	505	215
max 10	<b>C20F12</b>	<b>C20F16</b>	1400/320 > 1750/405	529	602	240 > 280
10 – 11	<b>C22R18</b>	<b>C22R22</b>	1500/380 > 1750/445	528	587	261 > 292
10 – 11	<b>C20F20</b>	<b>C20F20</b>	1500/430 > 1750/505	604	659	266 > 297
12 – 15	<b>C31R20</b>	-	1800/560 > 2000/625	660	673	370 > 405
12 – 19	-	<b>CY2-034</b>	1600/750 > 1800/850	880	860	540 > 590*
12 – 19	-	<b>CY2-039</b>	1600/900 > 1800/1025	970	920	575 > 625*
16 – 19	-	<b>CY2-044</b>	1600/995 > 1800/1135	1017	976	610 > 665*
16 – 19	<b>C41R25</b>	-	1800/690 > 2000/770	745	760	450 > 480
20 – 26	<b>C51R35</b>	-	2000/1120 > 2200/1240	920	945	668 > 707
20 – 26	<b>C51R48</b>	-	1800/1230 > 2200/1535	1082	1108	877 > 1001
20 – 26	<b>C51R55</b>	-	1800/1355 > 2200/1695	1122	1172	937 > 1068
20 – 26	<b>C51R60</b>	-	1800/1550 > 2200/1940	1214	1241	965 > 1099
27 – 30	<b>C55R40</b>	-	1800/1095 > 2200/1365	955	965	929 > 1043
27 – 37	<b>C61R40</b>	-	2400/1500	955	975	1084
27 – 37	<b>C61R55</b>	-	1800/1350 > 2200/1690	1122	1172	1130 > 1280
27 – 37	<b>C61R60</b>	-	1800/1550 > 2200/1930	1214	1241	1200 > 1345

\*with QA, bare blade \* with original hitch



# Tilted cleaning Bucket



## FEATURES

These cleaning buckets are used for:

- **highway resloping**
- **resloping of any sloped surface**
- equipped with one or two horizontal cylinders, depending on their size
- 45° displacement to the left and right

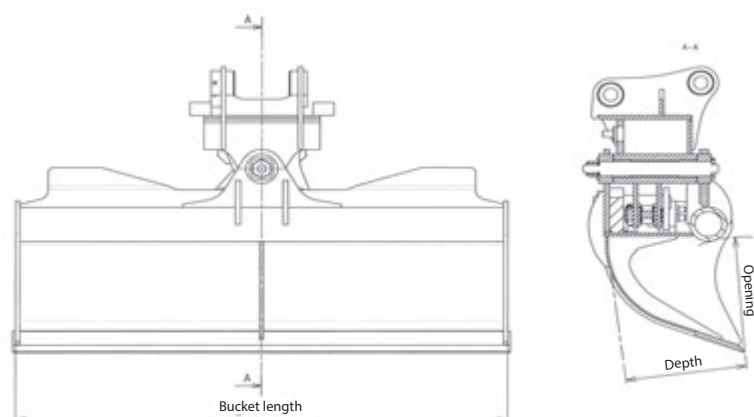
Tilted cleaning covers the full range, from the mini-excavator to the 37-ton excavator.

## OPTION

A check valve can be fitted to prevent the bucket from moving in the operating position for excavators over 6 tons.



## TILTED CLEANING BUCKET TECHNICAL SPECIFICATIONS



	P/N			Product range	Dimensions & Weight		
Lifting capacity	General Use	Severe Use	Quarry Use	Min width/volume (in litres) > max width/volume (in litres)	A Height	B Depth	Equipment weight*
tons	P/N	P/N	P/N	mm/l > mm/l	mm	mm	
1.1 – 1.4	<b>R05G05</b>	<b>R05S05</b>	-	205/14 > 400/24	272	347	29 > 39
1.5 – 2	<b>R05G11</b>	<b>R05S11</b>	<b>R05C11</b>	205/20 > 600/65	375	420	33 > 64
2.1 – 2.5	<b>R05G31</b>	<b>R05S31</b>	<b>R05C31</b>	205/25 > 600/90	480	468	38 > 71
2.6 – 3	<b>R10G12</b>	<b>R10S12</b>	<b>R10C12</b>	205/35 > 900/155	442	488	**60 > 134
3.1 – 4.9	<b>R10G22</b>	<b>R10S22</b>	<b>R10C22</b>	205/50 > 1000/255	584	647	**78 > 181
5 – 6	<b>R10G32</b>	<b>R10S32</b>	<b>R10C32</b>	250/59 > 1000/310	655	697	**82 > 191
6 – 7.5	<b>R20G12</b>	<b>R20S12</b>	<b>R20C12</b>	300/90 > 1000/375	685	805	125 > 282
8 – 10	<b>R20G22</b>	<b>R20S22</b>	<b>R20C22</b>	300/110 > 1000/510	790	885	135 > 318
10 – 11	<b>R25G22</b>	<b>R25S22</b>	<b>R25C22</b>	400/150 > 1100/505	790	883	178 > 389
12 – 15	<b>R30G31</b>	<b>R30S31</b>	<b>R30C31</b>	450/260 > 1200/830	1010	897	324 > 572
12 – 15	-	<b>R30ST1 (T profile)</b>	<b>R30CT1 (T profile)</b>	450/220 > 1200/710	983	1089	353 > 560
16 – 19	<b>R40G31</b>	<b>R40S31</b>	<b>R40C31</b>	500/300 > 1300/1050	949	1152	413 > 777
16 – 19	-	<b>R40ST1 (T profile)</b>	<b>R40CT1 (T profile)</b>	500/320 > 1300/990	1098	1255	504 > 800
20 – 26	<b>R50G21</b>	<b>R50S21</b>	<b>R50C21</b>	600/460 > 1300/1100	1010	1146	616 > 1224
20 – 26	<b>R50G41</b>	<b>R50S41</b>	<b>R50C41</b>	800/550 > 1500/1550	1130	1227	652 > 1416
20 – 26	-	<b>R50ST1 (T profile)</b>	<b>R50CT1 (T profile)</b>	600/495 > 1500/1435	US: 1120	US: 1310	US: 725 > 1340
27 – 30	-	<b>R55S41</b>	<b>R55C41</b>	800/700 > 1700/1750	1130	1230	**955 > 1600
27 – 30	-	<b>R55ST1 (T profile)</b>	<b>R55CT1 (T profile)</b>	800/660 > 1700/1625	1120	1310	**917 > 1554
27 – 37	<b>R60G31</b>	<b>R60S31</b>	<b>R60C31</b>	800/890 > 1700/1940	1226	1377	1000 > 1982
27 – 37	-	<b>R60ST1 (T profile)</b>	<b>R60CT1 (T profile)</b>	800/665 > 1700/1740	US: 1281	US: 1424	US: 1178 > 2120
38 – 53	-	<b>R70S31</b>	<b>R70C31</b>	1300/1800 > 2000/3000	1252	1475	2100 > 3076
54 – 90	-	<b>R80S31</b>	<b>R80C31</b>	1500/2170 > 2200/4120	1575	1610	2970 > 4290
54 – 90	-	<b>R80S41</b>	<b>R80C41</b>	1500/3100 > 2200/4700	1685	1780	3200 > 4590
71 – 90	-	-	<b>R90C21</b>	contact us			
71 – 90	-	-	<b>R90C41</b>				

\* Weight with QA, no teeth \*\*Weight with original hitch and teeth  
Some models have parallel sides. Please contact us.

# Skeleton Bucket



## FEATURES

The skeleton bucket was designed for:

- **cleaning**
- **sorting**
- **material sifting**

## OPTIONS

- Teeth
- Boom counter-blade
- Reversible counter-blade

This bucket has teeth on the standard version.

The spacing between the bars is 60mm for the standard version, but different spacings can be studied as needed.

It comes in three profiles:

1. **paving profile (1/3)** for removing pavers without removing the sand under-layer
2. **2/3 profile** for versatile demolition-sorting use
3. **full profile** for sorting

## SKELETON BUCKET TECHNICAL SPECIFICATIONS



	P/N	Dimensions and weight	
Lifting capacity	Profile	Width	Equipment weight
tons	P/N	mm	kg
6 – 11	<b>R20V12S</b>	contact us	
6 – 11	<b>R20V22S</b>		
6 – 11	<b>R25V22S</b>		
12 – 15	<b>R30V31S</b>		
16 – 19	<b>R40V31S</b>		
20 – 26	<b>R50V41S</b>		
27 – 30	<b>R55V41S</b>		
27 – 37	<b>R60V41S</b>		





# Multifunction or 4x1 Bucket

## FEATURES

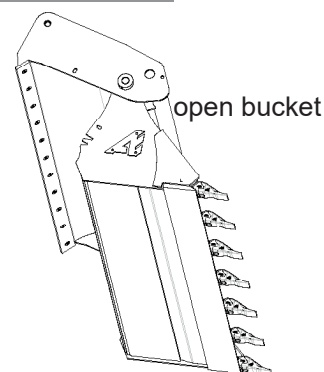
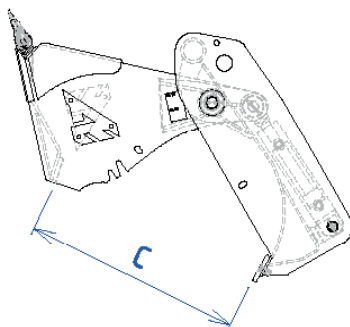
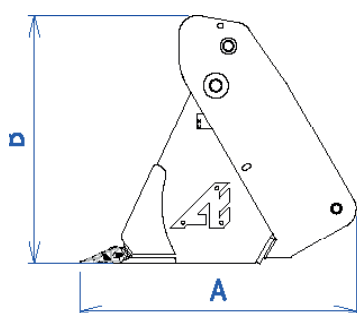
This multifunctional bucket allows you to perform several types of work with a single tool, such as:

- loading
- dumping
- grabbing
- catching
- backfilling
- stripping, etc.

This bucket has an opening for perfect filling and a large capacity.

**Multiple versions available: please contact us.**

## MULTIFUNCTIONAL BUCKET TECHNICAL SPECIFICATIONS



	P/N	Product range	Dimensions & Weight			
Lifting capacity	Standard profile	Width/volume (in litres)	A	B	C	Equipment weight
tons	P/N	mm/l > mm/l	mm	mm	mm	kg
max 7.5	<b>MF151A</b>	1500/280 > 1700/320	766			
7.5 – 10	<b>MF151B</b>	1500/400 > 1800/485	917	690	600	281 > 440
7.5 – 10	<b>MF201</b>	1700/470 > 2200/600	947	695	600	424 > 502
10 – 12	<b>MF251</b>	1600/430 > 2000/530	800	854	700	511 > 560
12 – 15	<b>MF301A</b>	1800/630 > 2000/700	969			
12 – 15	<b>MF301B</b>	1600/675 > 2300/1000	1139	935	855	700 > 900

# Trapezoid Bucket



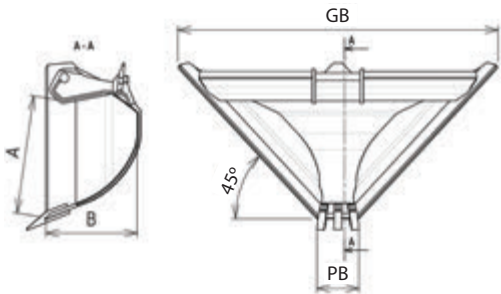
## FEATURES

The trapezoid bucket is ideal for:

- **creating ditches**
- **maintaining ditches**

Trapezoid buckets can be used with a wide range of machinery, from mini-excavators to 53-ton machines. They are equipped with Arden Equipment standard teeth. By standard, they have an angle of 45° and 63°.

## TRAPEZOID BUCKET TECHNICAL SPECIFICATIONS



	P/N	Dimensions & Weight					
Lifting capacity	Standard profile	PB	GB	A	B	Angle	Equipment weight QA with teeth
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>°</i>	<i>kg</i>
0.8 – 3 0.8 – 3	<b>T05G45</b> <b>T05G63</b>	250	1447 863	450	480	45 63	77 58
2.6 – 6 2.6 – 6	<b>T11G45</b> <b>T11G63</b>	250	1840 1055	565	640	45 63	146 107
10 10	<b>T21G45</b> <b>T21G63</b>	300	2100 1220	700	670	45 63	265,193
10 – 11 10 – 11	<b>T25G45</b> <b>T25G63</b>	300	2100 1220	700	670	45 63	268 208
12 – 15 12 – 15	<b>T31G45</b> <b>T31G63</b>	350	2550 1450	870	722	45 63	503,366
16 – 19 16 – 19	<b>T41G45</b> <b>T41G63</b>	350	2740 1565	955	800	45 63	663 473
20 – 26 20 – 26	<b>T51G45</b> <b>T51G63</b>	500	3100 1800	1040	870	45 63	1082 778
27 – 30 27 – 30	<b>T61G45</b> <b>T61G63</b>	500	3100 1900	1105	1275	45 63	1100 920



# Rock Tooth

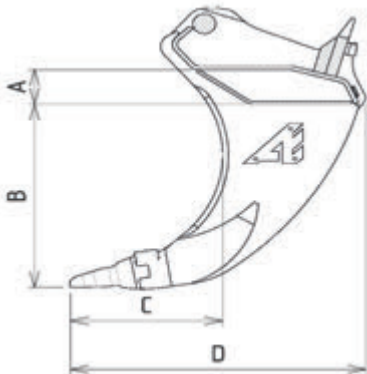
## FEATURES

The rock tooth or ripper tooth, known for its reliability, is designed for:

- slab demolition
- grooving on very hard ground

All stress on the bucket cylinder is concentrated on the tooth, which gives it significant power. The chamfer also promotes penetration.

## ROCK TEETH BUCKET TECHNICAL SPECIFICATIONS



	P/N	Dimensions & Weight				
Lifting capacity	Standard profile	A	B	C	D	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>
0.8 – 3	<b>D05</b>	<b>45</b>	377	326	511	30
2.6 – 6	<b>D11</b>	<b>77</b>	512	385	652	85
8 – 11	<b>D21</b>	<b>102</b>	594	423	759	135
12 – 15	<b>D31</b>	<b>128</b>	704	556	969	260
16 – 19	<b>D41</b>	<b>147</b>	788	620	1086	375
20 – 26	<b>D51</b>	<b>175</b>	846	705	1198	615
27 – 37	<b>D61</b>	<b>158</b>	934	728	1302	895
38 – 53	<b>D71</b>	<b>180</b>	1043	841	1525	1300
54 – 70	<b>D81</b>	<b>195</b>	1200	850	1600	2070
> 71	<b>D91</b>	<b>210</b>	1400	959	1823	2600



# Rock/Roc Bucket



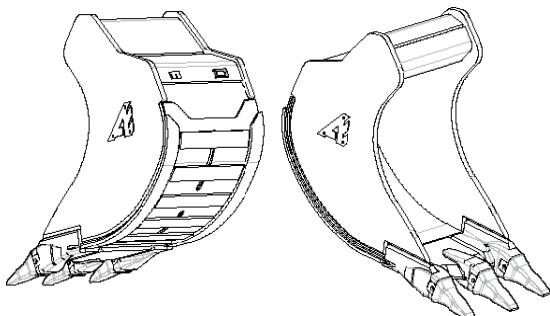
## FEATURES

The Roc bucket is ideal for digging and handling blocks, lifting slabs and quarry face work. This bucket is actually a rock tooth with a bottom and sides for moving blocks. This bucket is usual narrow in width, which promotes penetration.

It is comprised of:

- indented sides that make the bucket’s penetration into materials very effective
- very thick, solid sides made with an anti-abrasion material for performing very hard work
- a half-delta blade (meaning that the central teeth are further forward) the promotes penetration
- teeth whose numbers depend on the bucket’s width

## ROCK BUCKET TECHNICAL SPECIFICATIONS



	P/N	Product range	Dimensions & Weight		
Lifting capacity	Standard profile	Width/volume (in litres)	A Height	B Depth	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm/l</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>
20 – 26	<b>R50D</b>	contact us			
27 – 30	<b>R60D</b>				
38 – 53	<b>R70D</b>				
54 – 90	<b>R80D</b>				



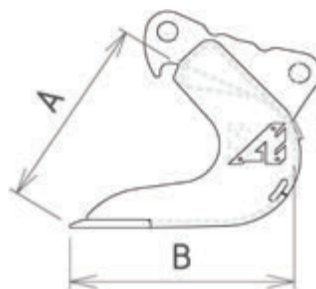
# Banana Bucket

## FEATURES

Banana buckets are used for working in hard-to-access places, like under and around pipes or under cables.

These buckets have a very narrow width and indented sides to prevent material from sticking to the bottom of the bucket. Their narrow width makes it possible to obtain narrow trenches and thus reduce the volume of materials to be displaced.

## BANANA BUCKET TECHNICAL SPECIFICATIONS



	P/N	Dimensions & Weight			
Lifting capacity	Standard profile	Width	A Height	B Depth	Equipment weight with teeth
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>kg</i>
	<b>R05B12</b>	205 > 450	375	420	31 > 48
2.6 – 6	<b>R10B22</b>	250	595	620	60*
10	<b>R20B22</b>	300	800	840	120
10 – 11	<b>R25B22</b>	300	800	840	132
12 – 15	<b>R30B31</b>	400	1000	1000	250
16 – 19	<b>R40B31</b>	500	1170	1370	516

\* Weight with QA, no teeth    \*\*Weight with original hitch and teeth  
Some models have parallel sides. Please contact us.

# Pallet Fork



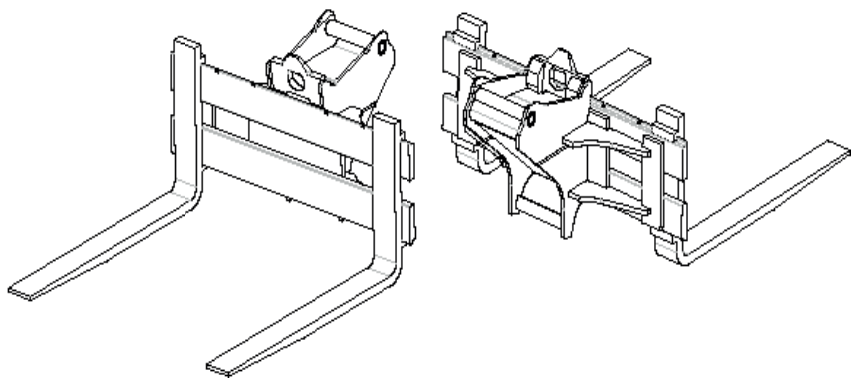
## FEATURES

The pallet fork is equipped with hitches designed specifically for the machine.

It can be mounted with a quick hitch or direct hitch.

It is available for 6 to 26-ton lifters.

## PALLET FORK TECHNICAL SPECIFICATIONS



	P/N	Dimensions & Weight	
Lifting capacity	Standard profile		Equipment weight
<i>tons</i>	<i>P/N</i>		<i>kg</i>
6 – 11	<b>LP2</b>	contact us	330
12 – 19	<b>LP3</b>		440
20 – 26	<b>LP4</b>		515



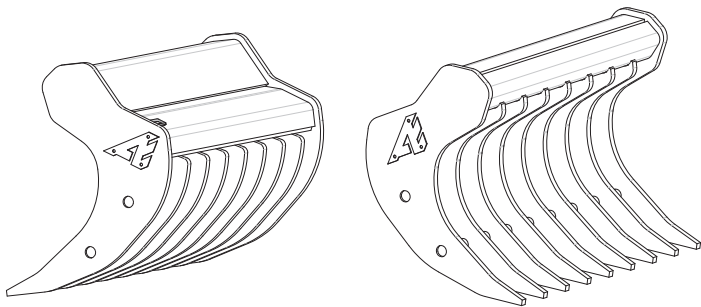


# Scraper Bucket

## FEATURES

This scraper bucket, also known as a dethatcher, is used to pull, spread, rake, and more. Teeth are available as an option.

## SCRAPER BUCKET TECHNICAL SPECIFICATIONS



	P/N	Dimensions & Weight	
Lifting capacity	Profile	Width	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>kg</i>
6 – 11	<b>R20W22</b>	contact us	300
12 – 15	<b>R30W31</b>		650
16 – 19	<b>R40W31</b>		880
20 – 26	<b>R50W41</b>		1800





# VIBRATING PLATE

## **AVP 20/30 AND AVP 20/40**

page 59

## **AVP 55/46 – AVP 55/56 – AVP 55/64**

page 59

## **AVP 72/74**

page 60

## **AVP 75/74**

page 60





# Vibrating Plate



**2 – 40 tons**

**7 models**

**Vibration control system**

**Twin-shaft exciter**

**Self-locking mechanical rotating device**

**Reduced fuel consumption and emissions**

**Hydraulic**



## FEATURES

Arden Equipment has developed a machine for working on especially difficult terrain.

Arden Equipment vibrating plates can be adapted and mounted on excavators. They make it easier to perform compacting work on hard-to-reach areas, like trenches and inclines. Unlike traditional compactors, pressure applied to the plate increases the compacting power.

Vibrating plates can be mounted quickly on any available quick hitch.

The range covers excavators from 2 to 40 tons.

## AVP 20/30 AND AVP 20/40

### SMALL AND EASY TO HANDLE

Models AVP 20/30 and AVP 20/40 are the smallest Arden Equipment vibrating plates. They are designed for 2 to 5-ton excavators.

These models are used for:

- **roadwork**
- **landscaping**

They come with a high-frequency, twin-shaft exciter with a low amplitude, which protects the excavator and nearby constructions against strong vibrations.

### OPTIONS

- Mechanical rotator
- Hydraulic rotator
- No rotation

## AVP 55/46 AVP 55/56 AVP 55/64

### READY TO WORK IN NO TIME

Models **AVP 55/46**, **55/56** and **55/64** are designed for excavators over 5 tons.

These compact machines can be used for a large number of tasks. With its enlarged 460, 560 and 640 mm base plate, the AVP 55/64 is ideal for intracity work sites.

### OPTIONS

- Mechanical rotator
- Hydraulic rotator
- No rotation

## **AVP 72/74**

### **ADAPTABLE EQUIPMENT FOR LARGE EXCAVATORS**

The AVP 72/74 is designed for 10 to 20-ton excavators, and it is used for applications that require high compacting power.

This vibrating plate achieves impressive compacting results with backfill heights of more than 50 cm in a single pass.

The AVP 72/74 is known for its versatility and sturdy construction. It is a reliable piece of machinery.

## **AVP 75/74**

### **HIGH POWER FOR MAJOR WORK**

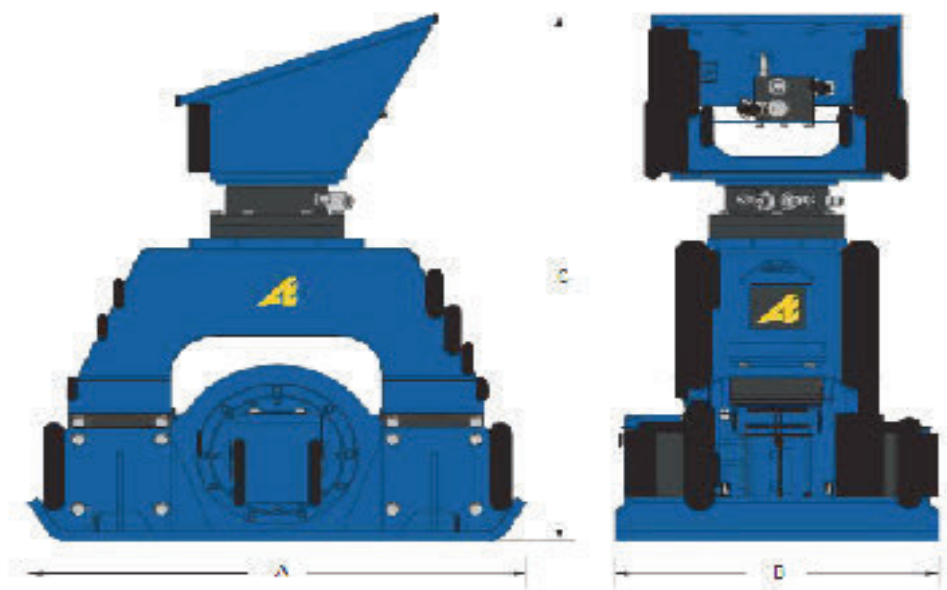
The AVP 75/74 is equipped with a 360° rotating hydraulic motor and designed for 12 to 40-ton excavators.

This vibrating plate can be used for a wide variety of work tasks, including trenches, narrow spaces, and large surfaces.

Depending on the size of the excavator, the AVP 75/74 can reach a maximum depth of one meter and compact backfills of more than 50 cm.



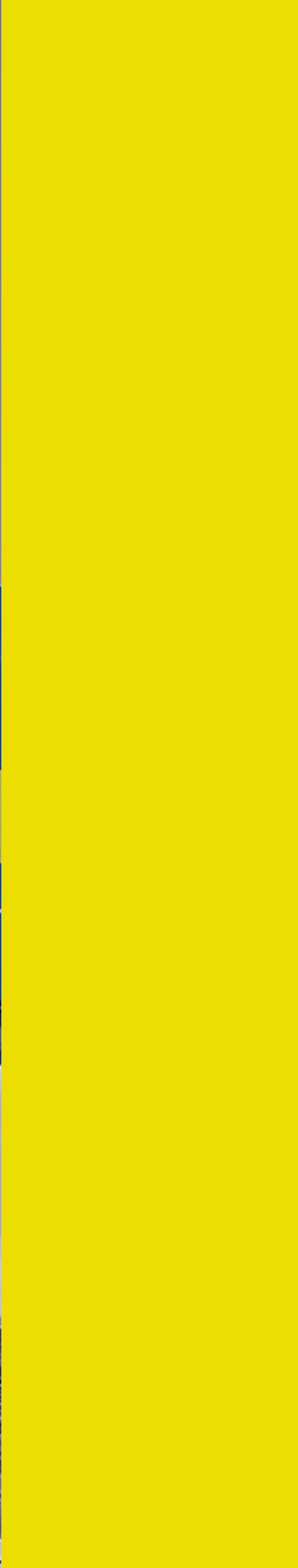
AVP TECHNICAL SPECIFICATIONS



	P/N		Dimensions & Weight		
Lifting capacity	Standard profile	Service weights*	A Total length	B Working width	C Total height*
tons	P/N	kg	mm	mm	mm
< 5 tons	AVP20/30	160 kg	875 mm	300 mm	485 mm
< 5 tons	AVP20/40	170 kg	875 mm	400 mm	485 mm
< 12 tons	APV55/46	370 kg	1142 mm	460 mm	580 mm
< 12 tons	APV55/56	385 kg	1142 mm	560 mm	580 mm
< 12 tons	APV55/64	400 kg	1142 mm	640 mm	580 mm
10 – 25 tons	APV72/74	950 kg	1142 mm	740 mm	910 mm
12 – 25 tons	AVP75/74	950 kg	1142 mm	740 mm	910 mm

\*with a mechanical rotating device

	P/N	Technical Specifications				
Lifting capacity	Standard profile	Frequency	Centrifugal force	Amount of oil needed for vibration	Required operating pressure	Maximum drainage/back pressure
tons	P/N	Hz	kN	l/min	bar	bar
< 5 tons	AVP20/30	60 Hz	20 kN	40 – 60 l/min	100 bar	30 bar
< 5 tons	AVP20/40	60 Hz	20 kN	40 – 60 l/min	100 bar	30 bar
< 12 tons	APV55/46	45 Hz	55 kN	50 – 80 l/min	150 bar	30 bar
< 12 tons	APV55/56	45 Hz	55 kN	50 – 80 l/min	150 bar	30 bar
< 12 tons	APV55/64	60 Hz	55 kN	70 – 110 l/min	150 bar	30 bar
10 – 20 tons	APV72/74	36 Hz	72 kN	90 l/min	250 bar	10 bar
12 – 40 tons	AVP75/74	36 Hz	84 kN	150 l/min	250 bar	10 bar





# SORTING AND DEMOLITION GRABS

## **Applications**

page 65

## **Shells**

page 67





# Sorting and demolition **grabs**



**2.5 – 90 tons**

**13 models**

**Versatility**

**With or without rotation**

**Sturdy**

**Several customisable sets of shells**

**Drill holes on top of the rotator to attach any type of adapter plate**

## FEATURES

Arden Equipment sorting and demolition grabs are the ultimate tools for versatility and reliability. Use them to easily grab, demolish, sort, load and recycle all types of materials.

## TECHNICAL APPEARANCE

All sorting and demolition grabs are equipped with:

- **360° rotation with a crown**

The top of the rotator has drill holes for quickly attaching any type of adapter plate. They can be chosen with no rotation.

- **1 or 2 motors**

The rotation motors are protected against a temporary overflow or overpressure. An additional drain line is not needed.

- **a reversible bolted counter-blade made of 400 HB steel** chamfered to the cutting tool
- **1 or 2 links** (depending on the model) to properly synchronise the closing of the shells

The shells are all made of abrasion-resistant steel. They open perpendicularly to the ground to ensure a firm grip of the contents, even along a wall. This grip is also improved thanks to a very strong blade.

# APPLICATIONS

## DEMOLITION

Arden Equipment blades are ideal for all demolition operations.

- **Strength**

Their frame is reinforced with high yield strength, abrasion-resistant steel.

- **Durability**

The axles have undergone high frequency treatment to harden them and make them stronger and more durable.

- **Reliability**

The axle openings are bushed.

## SORTING

Arden Equipment grabs are perfectly for sorting waste and other materials:

- **1 cylinder** for models S223 to S1102
- **2 cylinders** for models S1402 to S6002
- **final dampers** depending on the model

The cylinders are protected inside the frame.

## SPECIAL

The range covers all needs—even the most unusual—thanks to a range of special grabs:

- **2 and 3 finger cross grabs (see photo 2+3, page 66)**

These are used to easily grab cylindrical items (nozzles, logs, tubes, etc.).

- **2 and 3 finger serrated grabs (see photo BCR, page 66)**

These are ideal for grabbing large blocks.

- **with articulated pads (see photo BLO, page 66)**

These grabs are used specifically for grabbing cubic blocks.

- **manure (see photo FUM, page 66)**
- **sugar cane (see photo CAN, page 66)**
- **seaweed (see photo ALG, page 66)**
- **railway catenary (see photo RDP, page 66)**





**RDP**



**BCR**



**ROC**



**ALG**



**FUM**



**BLO**



**CAN**



**2+3**



# SHELLS

**1 barred shells (BAR)** let you do everything from demolition to sorting.

A wave-shaped reinforcement structure is integrated directly into the bars, allowing them to not only absorb shocks, but also better hold the bars in place. The reinforcement does not extend beyond the surface of the shell, preventing it from being torn off.



**2 Rock shells (ROC)** ideal for handling pebbles and earth during rockfill operations.

**3 Open shells**



## OPTIONS

- Safety valves

These can be installed on the cylinders.

- Rubber between the blade and counter-blade

The rubber can be added for handling more sensitive products.

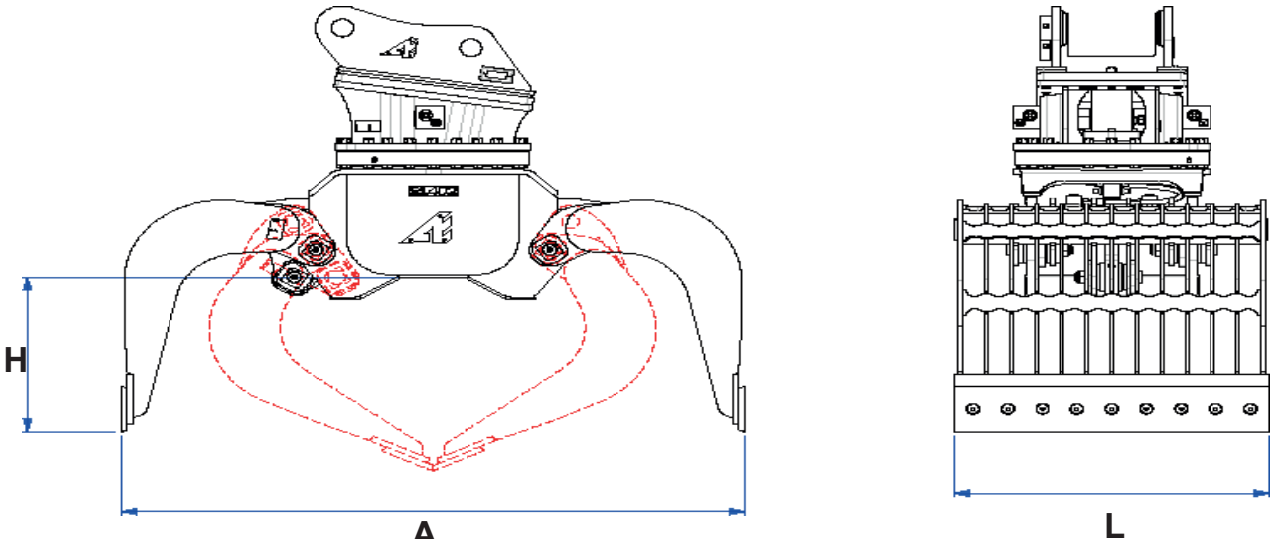
- Added sides

Sides can be added to better hold materials inside the shells.

- Arden Jet

Sorting and demolition grabs, from S1402 on, are available with the Arden Jet option, the first ever water spraying system to be factory integrated into equipment to cut down on dust emissions.

**SORTING AND DEMOLITION GRAB TECHNICAL SPECIFICATIONS**



		Dimensions & Weight										
Lifting capacity	P/N	L Length of grabs	H Height below open grab frame	A Grab opening	Equipment weight <sup>1</sup>	V Volume	F Strength at the blade	Opening and closing flow/ pressure		Rotation		
tons	P/N	mm	mm	mm	kg	Litres	daN	Bar	L/min***	Bar	L/m	Tr/min
2.5 – 4.5	<b>S0223</b>	400	350	1090	200	78	1200	250	8/15	100	6/9	10/15
4 – 6	<b>S0303</b>	460	395	1180	268	106	1900	300	10/20	100	8/12	10/15
6 – 8	<b>S0453</b>	550	440	1290	370	146	2500	350	15/30	100	8/12	10/15
7 – 10	<b>S0603</b>	650	500	1490	540	250	3300	350	20/40	100	10/15	10/15
10 – 13	<b>S0753**</b>	800	540	1710	695	395	4000	350	30/65	140	10/15	10/15
11 – 15	<b>S0803**</b>	800	540	1710	745	395	4000	350	30/65	140	14/20	10/15
15 – 18	<b>S1102</b>	900	580	1840	930	470	5000	350	45/80	140	14/20	10/15
18 – 21	<b>S1402</b>	1010	616	2000	1220	700	6200	350	55/110	140	14/20	10/15
22 – 27	<b>S1702</b>	1120	625	2100	1500	820	6000	350	55/110	140	14/20	10/15
25 – 32	<b>S2002</b>	1140	695	2200	1770	950	8300	350	80/160	140	24/35	10/15
28 – 37	<b>S2301</b>	1210	674	2270	2100	1080	9300	350	95/165	140	28/40	10/15
38 – 60	<b>S3002</b>	1450	620	2400	2850	1270	103000	350	125/250	140	35/45	10/15
60 – 90	<b>S6002</b>	1600	900	3120	5600	2200	13400	350	200/400	140	40/60	10/15

1 without plate  
\*\*with set of shells with a joint protection seal  
\*\*\*closing time: min overflow = 4 s/max overflow = 2 s









# METAL SHEARS

## **Hydraulic metal shears**

page 72

## **Mechanical metal shears**

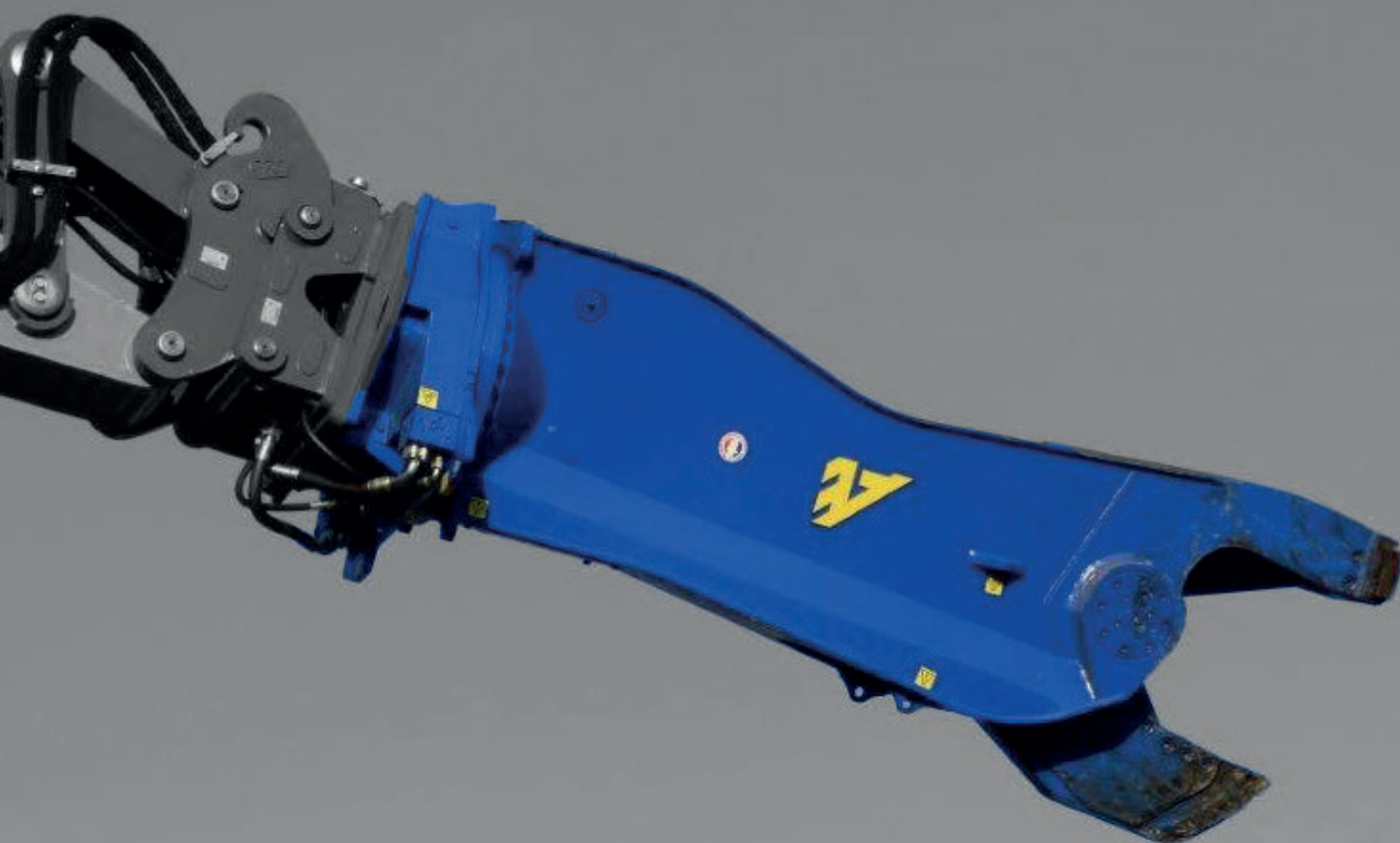
page 75

## **Grinder**

page 76

## **Special applications**

page 76



# Metal Shears



**3.5 – 110 tons**

**10 models**

**Hydraulic or mechanical**

**Standard Speed Valve (except AS014)**

**Mounted onto the boom, arm or special fitting**

**Drill holes on top of the rotator to attach any type of adapter plate**

**Self-lubricating option for the hydraulic versions**

## HYDRAULIC METAL SHEARS

### FEATURES

#### Model AS

Arden Equipment hydraulic metal shears (AS) can fit excavators from 9 to 90 tons, depending on the equipment mounting configuration.

They can be mounted:

- directly onto the arm with a bolted plate
- directly onto a special boom rotator with a bolted (AS014 to AS030) or welded (AS042, AS055, AS073) fitting

These shears boost efficiency throughout the entire cutting process. The shape of their claws encourages materials to slide to the back of the claw. The configuration of the cylinder, which is protected within the high yield strength steel frame at all times, allows the blades to travel and cross quickly and efficiently.

These reliable, easy-to-handle shears can be found in recycling sites and demolition sites for taking apart metal constructions.

#### Models CU/CD

Arden Equipment hydraulic metal shears models CU and CD can fit excavators from 3.5 to 80 tons. See more information about model CU and CD metal shears on page 80.



## BENEFITS

**The unique kinematics** of Arden Equipment metal shears, featuring a fixed straight claw and a beak-like movable claw, offer the following benefits:

- ▶ **Easier cutting**
- ▶ **Minimal cycle time** compared to a dual-beak kinematics due to faster crossing
- ▶ **Materials moved to the base of the claw** where there is more force

**The claws** have been improved:

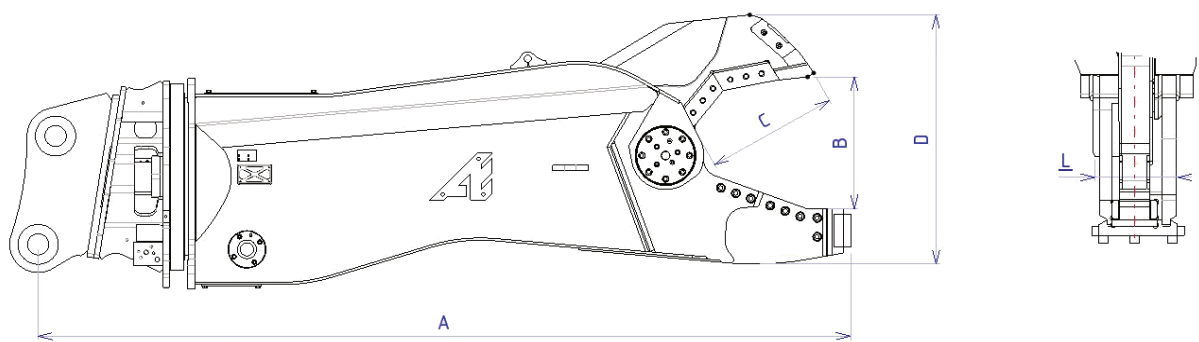
- ▶ The opening and depth of the claws have been optimised.
- ▶ The nose of the movable claw is fully protected.
- ▶ The blades are directly attached to the moving claw without threading, making them easier to replace.
- ▶ The blades can be reversed multiple times.
- ▶ The cutting surfaces of the blades are protected to prevent their seating from becoming misshapen.

## TECHNICAL APPEARANCE

They are equipped with:

1. **360° hydraulic rotation** driven by one or more drainless motors
2. **a light high yield strength steel structure** with abrasion-resistant reinforcements where they come in contact with materials
3. **inverted cylinder** to keep the cylinder rod safely inside the frame
4. **a central joint connected to a shrink-fit pin**, combined with an adjustable system to handle gap adjustments, thereby reducing gaps that may be harmful to the metal cutting
5. **a system for guiding the movable claw**, directly from the fixed part of the shear in the central joint, keeping the movable claw in line with the cylinder.
6. **a counter-blade** located at the end of the fixed part to help with punching sheet metal and limiting how much the movable claw bends
7. A standard **SPEED VALVE**, except on model AS014, shortens the cylinder's filling time, which decreasing the overall cycle time.

MODEL AS TECHNICAL SPECIFICATIONS



Dimensions							Beam profile				
Lifting capacity	P/N	A Equipment length	B Claw opening	C Claw depth	D Claw height	L Claw width	IPE	IPN	HEA	Thickness of the full/hollow diameter cut	Equipment weight
tons	P/N	mm	mm	mm	mm	mm	mm	mm	mm	mm/mm*mm	kg
9 – 21	AS014R01 (+SV)	2693	435	485	831	345	300	260	160	50/172*7	1400
12 – 30	AS021R01	2970	486	538	938	370	400	300	220	60/220*8	2100
16 – 39	AS030R01	3415	560	610	1062	390	450	360	260	70/305*10	3000
21 – 49	AS042R01	3861	650	737	1274	432	500	400	300	80/360*10	4250
21 – 60	AS042R02	3900	650	737	1274	432	500	400	300	80/360*10	4450
24 – 60	AS042R03	3590	650	737	1274	432	500	400	300	80/360*10	4550
24 – 60	AS055R01 (+SV)	4209	745	809	1392	455	600	450	360	90/400*12	5500
25 -60	AS055R02 (+SV)	3862	745	809	1392	455	600	450	360	90/400*12	5650
25 – 75	AS055R03 (+SV)	4367 745		809	1392	455	600	450	360	90/400*12	5950
33 – 75	AS055R04 (+SV)	3929	745	809	1392	455	600	450	360	90/400*12	6100
34 – 75	AS073R02	4200	840	927	1552	510	700	500	450	100/560*16	7445
34 – 85	AS073R01	4540	840	927	1552	510	700	500	450	100/560*16	7360



# MECHANICAL METAL SHEARS

## FEATURES

Arden Equipment mechanical metal shears model BC fit lifters from 16 to 40 tons. How the shears are positioned and attached fully depends on the lifter’s digging cylinder. **With crossing claws that work like scissors, these claws are particularly useful for cutting tyres.**

## BENEFITS

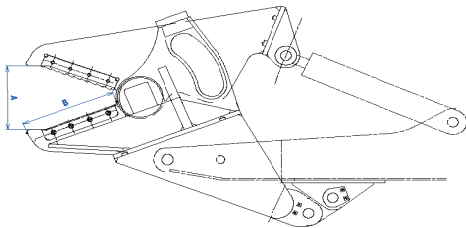
- ▶ **Cost**  
Thanks to mechanical technology, operating costs are low, with a good return on investment.
- ▶ **Good penetration**  
Their narrow profile allows for good penetration.
- ▶ **Strength**  
The shears have a high yield strength steel structure with many Hardox 450 reinforcements.

## TECHNICAL APPEARANCE

- The movable claws have a counter bearing.
- The beak-like shape of the claws makes it easier to pick up carefully from the ground.
- There is a mechanical limitation on the closing to protect the machine’s hydraulics.
- Reversible serrated cutting blades

Positioned directly on the digging cylinder, the cutting force depends primarily on its hydraulic characteristics.

## MODEL BC TECHNICAL SPECIFICATIONS



Dimensions							
Lifting capacity	P/N	A Claw opening	B Claw depth	IPN	UPN	Thickness of the full diameter cut	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>
16 – 20	<b>BC250</b>	460	640	300	330	70	1920
20 – 30	<b>BC350</b>	460	640	380	400	80	2480
30 – 40	<b>BC450</b>	570	760	450	500	90	3350



## GRINDER



Arden Equipment grinders are mounted on excavators from 28 to 50 tons.

These are specialised tools for cutting sheet metal, cisterns and tanks.

There are two available models, depending on the lifter.

**They offer:**

- 360° hydraulic rotation driven by multiple motors
- an inverted cylinder fully protected inside the frame
- a high yield strength steel structure
- a short and powerful lip and an area for clearing out cut pieces

## SPECIAL APPLICATIONS FOR SHEARS

Arden Equipment develops custom-made products for special applications involving its range of metal shears.

**Each request is studied and adapted to specific needs.**

Special arms are built to support the shears:



- Shortened special boom
- Hydraulic quick hitch  
Quick Arden (QA): special arm connection
- Hydraulic shears



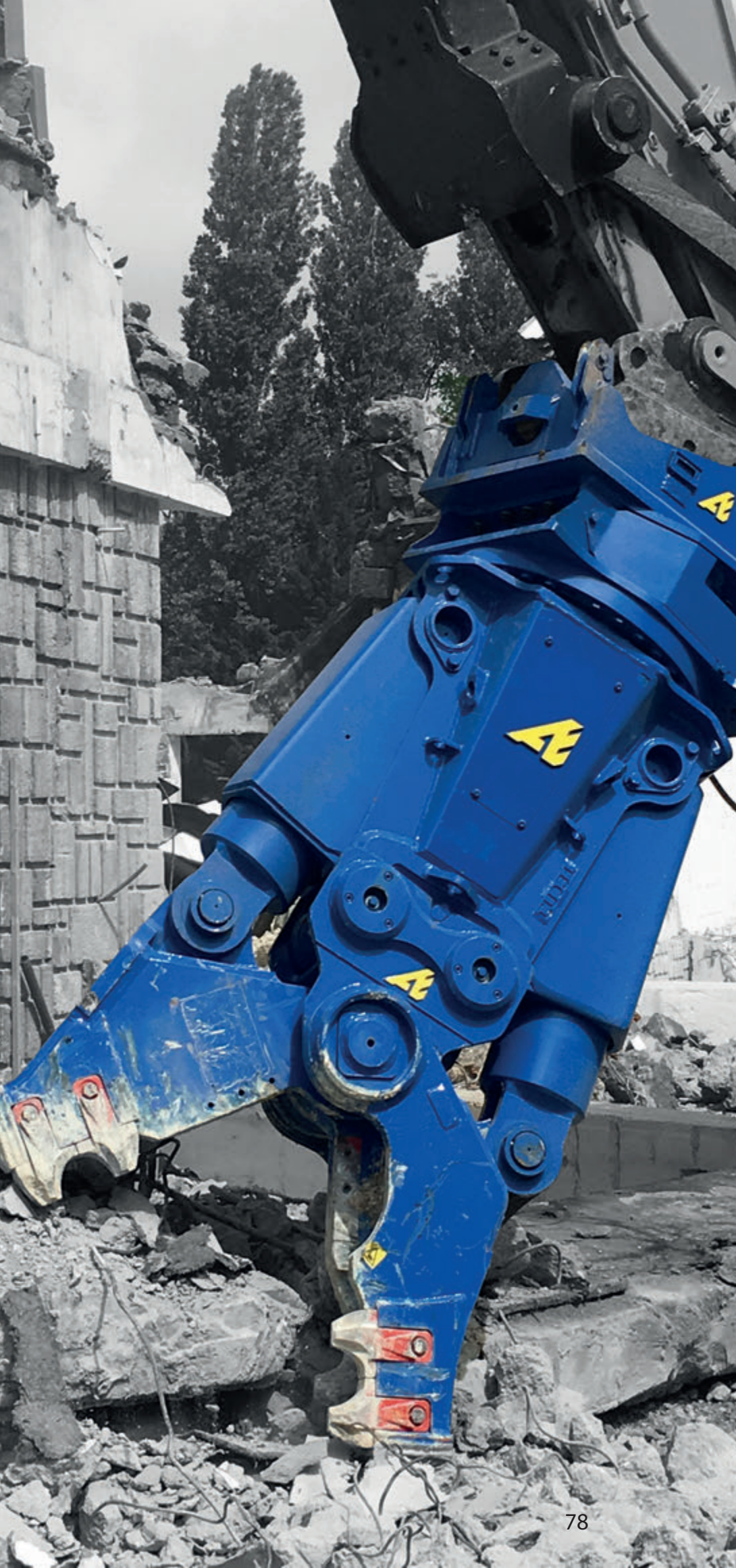
Supplementary version with a handling arm developed specifically for the special boom.

With this assembly, equipment can be changed quickly, making it possible to work with the hydraulic shears and then handle materials with a grab.











# DEMOLITION SHEARS

## **Universal Shears**

page 80

## **Dedicated Shears**

page 83



# Demolition Shears



**2.5 – 70 tons**

**11 models**

- Interchangeable or dedicated**
- Several available sets of claws**
- Quick change system for Universal Shears claws**
- Drill holes on top of the rotator to attach any type of adapter plate**
- Speed Valve, Arden Jet options**

## UNIVERSAL SHEARS

### FEATURES

These shears are designed for 2.5 to 70-ton excavators.

These are primary or even secondary demolition tools for breaking down steel or reinforced concrete structures. These shears are idea for work where versatility and speed are important.

### TECHNICAL APPEARANCE

- These shears contain:
- **360° hydraulic rotation** for working with crowns and 1 or 2 motors, depending on the model.  
(The motor does not need a drain line and is protected against temporary overpressure and overflow.)
  - **high yield strength abrasion-resistant steel** for lightness and strength.
  - **2 inverted cylinders** fully protected inside the frame. (The cylinder rod is in the superstructure.)
- The wear parts are made of steel 450 and 600HB for high resistance to abrasion.

## BENEFITS

Models CU015, CU022, CU031, CU040, CU042 and CU045 have a patented system for changing the claws in less than 10 minutes, making the most of working time by minimising how much time is spent changing the equipment or claws and maximising productivity.

The claws can be changed without having to remove the central axle, which keeps the two parts optimally adjusted. Also, the kinematics are specially adapted to the claw and the intended work.

### Claws available for Universal Shears

Depending on the model, there are 6 types of claws designed for each and every need.

Each kinematics addresses a specific function for the correct force from the start to end of closing.

- ▶ **CB Claw / Concrete Shear**
- ▶ **BB Claw / Concrete Crusher**
- ▶ **BV Claw / Perimeter Cut**
- ▶ **BF Claw / Scrap Concrete Shear**
- ▶ **CF Claw / Scrap Metal Shear**
- ▶ **GR Claw / Grinder**

**See explanations on page 84.**

The claws all come with individual holders for easy handling and storage.

## OPTIONS

### ■ **Arden Jet** (CU015 and up)

The first ever water spraying system to be factory integrated to cut down on dust emissions.

The water jet closely follows the movements of the shears.

### ■ **Booster** on CU007 and CU008

Intensifies the pressure to save time. Because the cylinders are smaller, the efficiency remains the same, while reducing fuel consumption by up to 20-30%.

### ■ **Speed Valve** to shorten the cycle time.



TECHNICAL APPEARANCE

Shears	CU230	CU350	CU007	CU008	CU015	CU022	CU031	CU040	CU042	CU045	CU5000
rotation	free or hydraulic		hydraulic								
cylinder	2 vertical cylinders	1 horizontal cylinder built into the frame	2 vertical cylinders								
Booster			✓	✓							
Speed Valve			✓	✓	✓	✓	✓	✓	✓	✓	✓
Arden Jet					✓	✓	✓	✓	✓	✓	✓
quick change system for claws					✓	✓	✓	✓	✓	✓	
CB claws	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BB claws			✓	✓	✓	✓	✓	✓	✓	✓	✓
BV claws					✓	✓	✓	✓	✓	✓	✓
BF claws	✓		✓	✓	✓	✓	✓	✓	✓	✓	
CF claws		✓	✓	✓	✓	✓	✓	✓	✓	✓	
GR claws						✓					



## DEDICATED SHEARS

### FEATURES

These shears are designed for 13 to 70-ton excavators.

These are primary or even secondary demolition tools for breaking down steel or reinforced concrete structures.

Shears with Perimeter Cut (BV) claws and Concrete Crusher (BB) claws are versatile primary and secondary demolition tools simultaneously.

### TECHNICAL APPEARANCE

Dedicated Shears offer:

- 360° hydraulic rotation for working with crowns and 1 or 2 motors, depending on the model.  
The motor does not need a drain line and is protected against temporary overpressure and overflow.
- Inverted cylinders fully protected inside the frame. Because the claws are attached directly to the frame, they are also 100 to 200 kg lighter than the Universal Shears models.
- High yield strength abrasion-resistant steel for lightness and strength.
- The wear parts are made of steel 450 and 600HB for high resistance to abrasion.

### BENEFITS

Dedicated Shears meet a very specific recurring need that does not require changing the claw.

They are less expensive than Universal Shears, but equally effective in their respective applications.

### OPTIONS

- **Arden Jet** (CD015 and up)

The first ever water spraying system to be factory integrated to cut down on dust emissions. The water jet closely follows the movements of the shears.

- **Speed Valve** to shorten the cycle time.

## Claws available for Dedicated Shears

### ► **CB Claw / Concrete Shear:**

Consisting of a single line of teeth, this claw has a round cutter at the bottom of the claw for cutting the metal reinforcements in the reinforced concrete. It allows concrete constructions to be “cut” quickly due to its ability to cut large blocks. Because the force is concentrated at fewer points, this claw makes it possible to work on highly dense, resistant concrete.

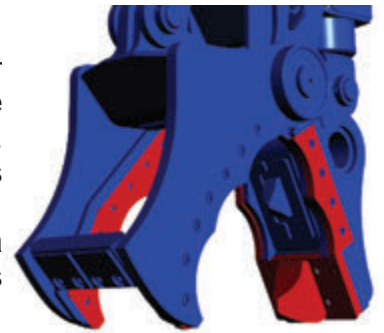


### ► **BB Claw / Concrete Crusher:**

Consisting of multiple lines of teeth on both sides, this claw has a round cutter at the bottom of the claw for cutting the metal reinforcements in the reinforced concrete. It whittles away the tops of concrete constructions while limited the risk of large pieces falling. The claw separates the concrete from iron pieces. It also allows for recycling on the ground.

### ► **BV Claw / Perimeter Cut:**

This claw consists of one side with an open claw with peripheral cutters, another side with a closed claw with peripheral cutters and a centre piece with a large tooth. This claw “bites” the concrete and cuts off a part of it with each operation. When the claw closes, the large tooth smashes the concrete while the cutters shear the reinforcing bars on the maximum length of the inside of the claw. This claw can therefore be used for primary and secondary demolition in a single operation. However, the grain size of the cement particles is less calibrated compared to when using a BB claw / Concrete Crusher.

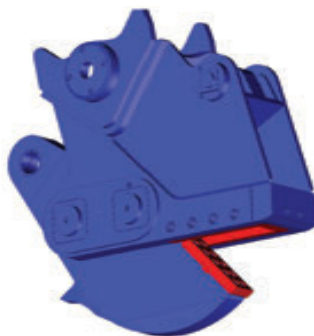


### ► **BF Claw / Scrap Concrete Shear:**

This claw consists of the front part with 2+1 teeth to crush concrete. Its rear has the same composition of a scrap metal shear claw capable of cutting various iron beam profiles. This highly versatile claw, often referred to as a “combo” claw, can demolish concrete and metal constructions.

### ► **CF Claw / Scrap Metal Shear:**

This claw consists of one side with an open claw with peripheral cutters, another side with a narrow closed claw with peripheral cutters and a centre cutting piece. The particular shape of the two parts is perfect for perforating metal. The metal is then brought to the base of the claw (where the force is greater) for a highly efficient cut. This claw “deconstructs” metal buildings. Note: The indicated cutting capacities are for a one-time cut. Larger profiles can therefore be cut in two or more operations.



### ► **GR Claw / Grinder:**

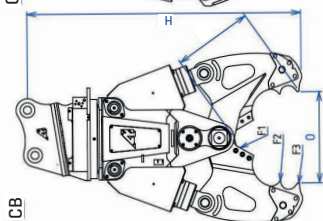
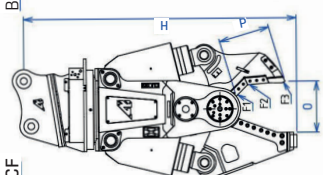
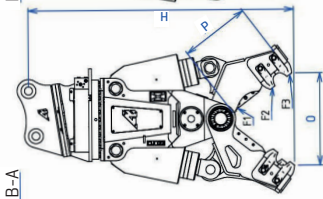
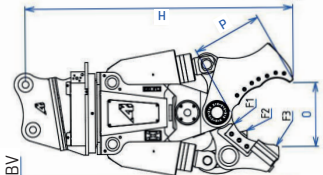
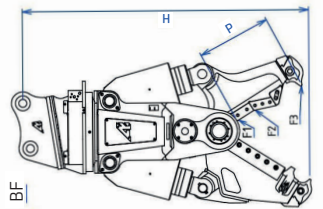
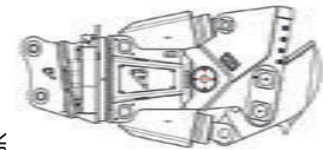
Specialised tool for cutting sheet metal, cisterns and tanks.







shears	claws CF	claws BF	claws BB	claws CB	claws BV	claws GR
CD015	✓	✓	✓	✓	✓	
CD022	✓	✓	✓	✓	✓	
CD031	✓	✓	✓	✓	✓	✓
CD040	✓	✓	✓	✓	✓	
CD042	✓	✓	✓	✓	✓	
CD045	✓	✓	✓	✓	✓	





UNIVERSAL SHEARS AND DEDICATED SHEARS

GR



CE		H	°	P	L**	F1	F2	F3	****	IPE	IPN	HEA					total cycle time ****	
	kg CU/CD	mm	mm	mm	mm	tons SV-BOOST	tons SV-BOOST	tons SV-BOOST	mm	mm	mm	mm	Bar	Min-Max L/min	Bar	Min-Max L/min	Min-Max sec	tons Min-Max
CU230BF	245	1054	404	350	30	55		25	30	120			250	50-70	100	15		2 – 4.5
CU230CB	240	968	303	260	30	68	-	34		-			270	40-80	100	15		
CU350CB	370	1160	430	345	85	95	45	32	30	-			270	40-80	100	15		4-8
CU350CF	415	1130	265	310	160	154	62	39		120	100							
CU007BF	640	1340	500	370	50	167-184	65-72	46-50		140			SV: max 300 BOOST: min 200	70-100	100	15	SV: 3.7 BOOST: 3.6	6-10
CU007CB	650	1400	600	420	60	160-176	-	43-45	40	-								
CU007CF	690	1370	320	310	210	150-162	65-70	52-56		160			SV: max 300 BOOST: min 200	70-100	100	15	SV: 3.7 BOOST: 3.6	7 – 10
CU007BB	750	1450	540	470	320	160-176	51-55	37-40		-								
CU008BF	730	1440	500	370	50	167-184	65-72	46-50		140			SV: max 300 BOOST: min 200	SV: 70 – 100 BOOST: 70 -120	140	15	SV: 3.7 BOOST: 3.1	9 – 13
CU008CB	740	1500	600	420	60	160-176	-	43-45	40	-								
CU008CF	780	1470	320	310	210	150-162	65-70	52-56		160			SV: max 300 BOOST: min 200	SV: 70 – 100 BOOST: 70 -120	140	14-20	3 – 4.6	13 – 21
CU008BB	840	1550	540	470	320	160-176	51-55	37-40		-								
CU/CD015BB	1385/1300	2050	710	530	400	232	80	61		-	-	-	380	200	140	14-20	3 – 4.6	13 – 21
CU/CD015CF	1390/1300	2110	400	400	290	205	119	58		-	220	160						
CU/CD015CB	1325/1200	2060	720	520	65	240	90	65	40-50	-	-	-	380	200	140	14-20	3 – 4.6	13 – 21
CU/CD015BF	1470/1340	2140	650	510	330	220	150	60		-	200	140						
CU/CD015BV	1390/1300	2080	482	491	375	191	116	60		-	-	-	380	250	140	24-30	3.8 – 6	19 – 30
CU/CD022BB	2000/1840	2300	810	650	500	376	110	83		-	-	-						
CU/CD022CF	2080/1920	2400	450	450	300	292	215	92		-	300	200	10	250	140	24-30	3.8 – 6	19 – 30
CU/CD022CB	1910/1800	2400	800	650	70	400	117	90	60	-	-	-						
CU/CD022BF	2140/2020	2530	810	610	330	265	158	70		-	260	180	250	250	140	24-30	3.8 – 6	19 – 30
CU/CD022BV	2040/1920	2350	540	590	490	265	150	80		-	-	-						
CU022GR	2280	2400	220	310	280	270	-	125		-	-	-	18					

## TECHNICAL SPECIFICATIONS

CE	 *	H	°	P	L **	F1	F2	F3	****	IPE	IPN	HEA				total cycle time ****	
													mm	mm			
CU/CD031BB	2785/2610	2510	928	731	570	470	135	105		-	-	-	-				
CU/CD031CF	2855/2635	2650	520	530	310	405	215	105		-	340	220	12				
CU/CD031CB	2710/2510	2700	950	800	90	460	140	110	60-70	-	-	-	-				26-39
CU/CD031BF	2995/2790	2430	960	790	310	350	215	90		-	300	200	-				
CU/CD031BV	2990/2745	2700	600	740	540	350	175	110		-	-	-	-				
GR030	2980	2630	480	500	380	490	-	148	-	-	-	-	-			-	26-39
CU/CD040	Contact us																
CU/CD042BB	4430/4170	2990	1100	830	620	520	157	127		-	-	-	-				
CU/CD042CF	4200/3940	3000	690	680	520	520	235	130	80	-	380	280	15				38-50
CU/CD042CB	4020/3760	3000	1130	880	100	520	170	130		-	-	-	-				
CU/CD042BV	4450/4190	3000	780	830	550	520	245	130		-	-	-	-				
CU/CD045BB	4700/4440	3040	1100	830	620	520	157	127		-	-	-	-				
CU/CD045CF	4450/4190	3050	690	680	520	520	235	130	80	380	280	15					48-70
CU/CD045CB	4300/4040	3050	1130	880	100	520	170	130									
CU/CD045BV	4720-4460	3050	780	830	550	520	245	130									
CU5000BB	5350	3085	1215	1115	717	850	275	165									
CU5000CB	3250	3240	1320	1170	130	930	265	170	80	-	-	-	-			-	45-60
CU5000BV	5370	3300	860	1040	600	670	310	178		-	-	-	-				
* Weight without plate (approximately 10% more with plate) ** Claw width *** Shearing capacities for S235J2 steel (E24-2) in one cut. Larger elements can be sheared in multiple cuts. **** Dry cycle time with max flow																	







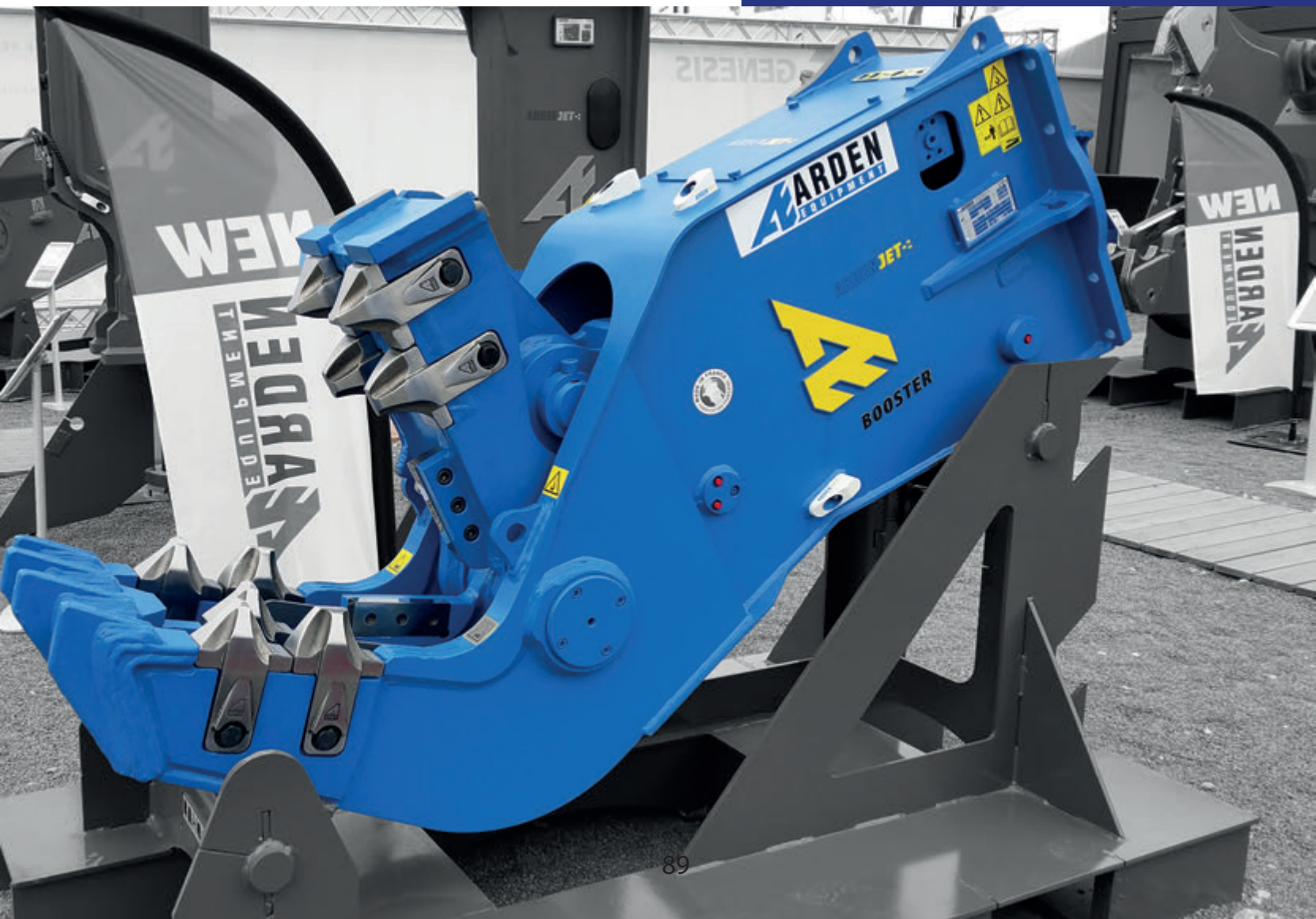
# CONCRETE CRUSHERS

## **Hydraulic Concrete Crusher**

page 90

## **Mechanical Concrete Crusher**

page 94



# Concrete Crusher



13 – 80 tons

8 models

Hydraulic or mechanical

With or without rotation

Drill holes on top of the rotator to attach any type of adapter plate

Speed Valve, Arden Jet, Booster and Teeth options

## HYDRAULIC CONCRETE CRUSHER

### FEATURES

Arden Equipment Hydraulic Concrete Crushers (BBH) can fit excavators from 13 to 80 tons. These tools are used only for recycling and secondary demolition.

They are idea for:

- ground work
- recovering demolition waste
- crushing concrete
- separating scrap metal

### TECHNICAL APPEARANCE

Hydraulic concrete crushers are equipped with:

- rotation or no rotation

The rotation is a full 360° thanks to a crown and motor protected against temporary overflow and overpressure without the need of a drain line.

- a round cutter with a reversible blade at the bottom of the claw
- cross-head teeth that are highly effective in perforating concrete

The teeth are cast and interchangeable to keep maintenance and repair costs low. Arranged in alternating, crossing waves, these teeth strip down scrap metal.

- drill holes on top of the rotator to quickly attach any type of adapter plate
- lots of steel 550 and 600HB wear parts with high resistance to abrasion.



The crusher's configuration can be customised to the two types of claws that can be mounted on the BBH, which are chosen based on the intended crushing and how the waste is configured:

- ▶ open to limit the fine
- ▶ closed to fully clean the reinforcing bars of any concrete residue—ideal for processing prestressed concrete

## BENEFITS

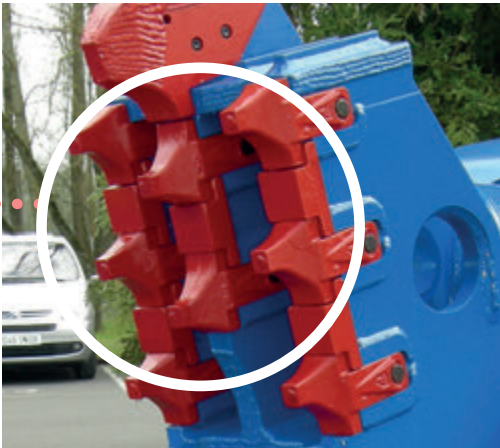
- Superior productivity compared to universal and dedicated equipment due to the wide opening of the claws.
- Time savings in recovering scrap metal directly at the work site.
- Its versatility avoids the need for lots of tools at the work site (grinder only + crusher), which reduces logistical needs and material and financial investments.
- Lower maintenance costs with the technology of the inverted cylinders fully protected inside the frame.
- Individually replaceable teeth, which lowers operating costs.

## OPTIONS

- **Arden Jet:** the first ever water spraying system to reduce dust emissions.
- **Speed Valve** to shorten the cycle time.
- **Booster** on BBH014, BBH020 and BBH031
- **Electromagnet**
- **Teeth**



**Cross-head teeth**



## BBH014

There are two available versions:

- no rotation
- with a 360° rotation with two motors

### OPTIONS

- **Arden Jet:** the first ever water spraying system to reduce dust emissions.
- **Speed Valve** to shorten the cycle time.
- **Booster**

## BBH020 AND BBH031

Two versions:

- fixed
- with 360° rotation with two motors that can be rotated in two directions

### OPTIONS

- **Arden Jet:** the first ever water spraying system to reduce dust emissions.
- **Speed Valve** to shorten the cycle time.
- **Electromagnet** to speed up waste processing by combining the concrete crushing and the recovery of scrap metal with just one tool, in only one work phase.
- **Closed claws, depending on the intended crushing or how the waste is configured.**

## BBH1000

Two versions:

- no rotation
- with 360° rotation with two motors that can be rotated in two directions

### OPTIONS

- **Arden Jet:** the first ever water spraying system to reduce dust emissions.
- **Speed Valve**

## BBH1300

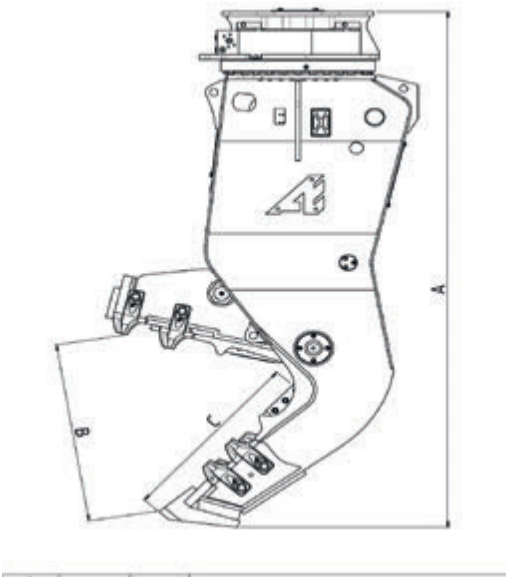
Two versions:

- no rotation
- with rotation

### OPTIONS

- **Arden Jet:** the first ever water spraying system to reduce dust emissions
- **Speed Valve** to shorten the cycle time
- **Two teeth** on the front of the frame

HYDRAULIC CONCRETE CRUSHER TECHNICAL SPECIFICATIONS



Dimensions												
Lifting capacity	P/N	A Equipment length	B Claw opening	C Claw depth	L Claw width	Full diameter cutting capacity	Equipment weight <sup>2</sup>	Opening and closing flow/pressure		Cycle time Total with or without SV	Rotation	
tons	P/N	mm	mm	mm	mm	mm	kg	max bar	max l/min	sec	bar	l/min
13 – 22	BBH014	1974 – 2331	646	735	470	30	1433 – 1727	320-380	180-200	3.4/5.2	140	14-20
18 – 32	BBH020	2328 – 2725	919	901	565	40	2100 – 2320	320-380	250	4.1/5.2	140	14-20
24 – 39	BBH031	2671 – 3065	1031	1028	670	60	3226 – 3817	380	400	3.5/5.5	140	28-40
30 – 45	BBH1000	2619 – 3012	960	820	720	40	3260 – 3710	350	350	4/7.1	140	30-40
45 – 80	BBH1300	3463 – 4300	1250	1083	835	60	5160 – 6900	350	350	max 6.3	140	40-60

<sup>1</sup> All dimensions vary depending on the model and chosen options. Only the possible range of dimensions is shown here.

<sup>2</sup> With bolted plate





## MECHANICAL CONCRETE CRUSHER

### FEATURES

Arden Equipment Mechanical Concrete Crushers (BB) can fit excavators from 16 to 80 tons. These tools are for machines with no hydraulic line.

The crushing force depends solely on the hydraulic characteristics of the lifter's digging cylinder.

### TECHNICAL APPEARANCE

- Adapters based on the original kinematics
- Highly resistant cast steel teeth
- Crushed concrete passed through the open claws to ensure 0-150 mm calibration and very low fines for recycling
- Alternating, crossing waves to strip down scrap metal
- Highly dimensioned crushers made of abrasion-resistant 400HB steel with a hard overlay

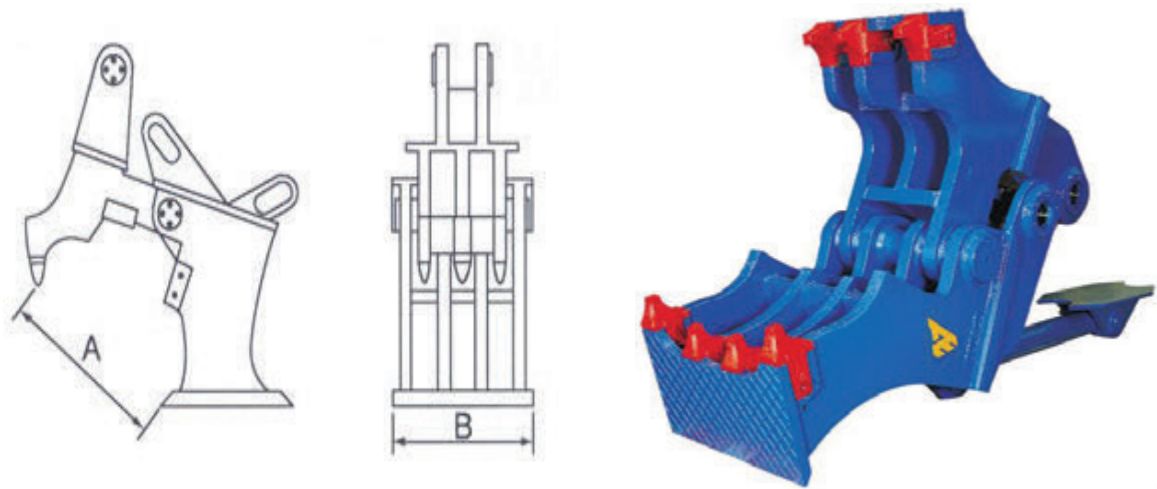
### OPTION:

Reversible cutters for reinforcing bars

### BENEFITS

- ▶ **Resistance**
- ▶ **Reduced maintenance**

MECHANICAL CONCRETE CRUSHER TECHNICAL SPECIFICATIONS



Dimensions 1					
Lifting capacity	P/N	A Claw opening	B Claw width	C Force	Equipment weight
<i>tons</i>	<i>P/N</i>	<i>mm</i>	<i>mm</i>	<i>tons</i>	<i>kg</i>
16 – 22	<b>BB700</b>	660	570	25/55	1040
24 – 35	<b>BB900</b>	820	695	35/85	1650
35 – 50	<b>BB1000</b>	930	820	55/130	2600
50 – 80	<b>BB1200</b>	1160	1100	80/160	4000

<sup>1</sup> All dimensions vary depending on the model and chosen options. Only the possible range of dimensions is shown here.









# HYDRAULIC BREAKER



# Hydraulic Breaker



**0.8-100 tons**

**18 models**

**Reliability, strength, versatility, and efficiency**

**Impact protection system (AB0853 and up)**

**Drill holes on top to attach any type of adapter plate**

**Arden Jet and automatic lubrication options**

## FEATURES

Designed to hold up under any test, the Arden Equipment range of hydraulic breakers covers all needs.

## TECHNICAL APPEARANCE

Arden Equipment hydraulic breakers offer:

- simple, reliable mechanics (only two moving parts) for easier maintenance
- a soundproof abrasion-resistant steel box (except models AB082 and AB0102) to limit the emitted decibels to 110-126 dB for the largest models
- a rebound energy recovery system to optimise the strike force impact, which improves the breaker’s efficiency
- a nitrogen accumulator installed on models AB092 and up to better absorb vibrations within the frame, protecting the whole of the hydraulic system
- a damper located at the top and bottom of the breaker to absorb vibrations to lessen the effect of generated percussions on the excavator during impact
- a system to prevent strike force impacts (model AB0853 and up) for greater safety
- an optional automatic lubrication kit on models AB0853 to AB7053 (a hydraulic breaker must be lubricated every hour)

Breakers come factory-equipped to work with water (model AB0853 and up). To work with water, a special safety kit must be added to stop the breaker if the compressed air stops.

## BENEFITS

- Valve system built into the box itself  
Approximately 5-10% more efficient than breakers with a valve located outside the main box.
- Lower maintenance and repair costs
- The impact frequency can be adjusted on models AB0502 to AB7053, depending on the type of tasks to be carried out, to optimise the breaker's productivity.
- The nitrogen accumulator can store and redistribute energy in a hydraulic loop very quickly for efficient percussion and optimal cycle speed. It also absorbs pressure fluctuations during operating phases, ensuring fluidity in hydraulic transmissions.
- The key system saves substantial time by making it easier to change the tip.
- The two-ring system installed on the tool helps guide the tip.
- The lower part of the tool is reinforced with Hardox 400 steel for increased strength.

Breakers come with:

- ▶ 1 tip
- ▶ A pressure gauge
- ▶ A toolbox
- ▶ A grease pump + 1 cartridge
- ▶ Hose and/or plate, by request

Several tips are available:

- ▶ pyramid-shaped tip
- ▶ transverse chisel
- ▶ ram (available only for model AB2453 to model AB4053)

## OPTIONS

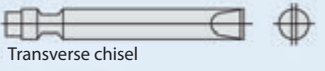
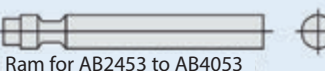
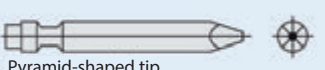
- Adapter plate
- Installation and hoses
- Automatic lubrication kit with 20 lubrication cartridges
- Breaker holder
- Extra tip
- Arden Jet



# HYDRAULIC BREAKER TECHNICAL SPECIFICATIONS

Lifting capacity t	P/N	Primary extraction	Demolition	Hard rock	Light rock materials
0.8-2	AB0082				✓
0.8-1.5	AB0102				✓
1-2.5	AB0122				✓
2-4	AB0202				✓
3-6	AB0292		✓		✓
4-8	AB0352		✓		✓
6-10	AB0502		✓		✓
10-14	AB0853		✓		✓
12-18	AB1053		✓	✓	✓
16-24	AB1353		✓	✓	✓
22-26	AB1853		✓	✓	
24-30	AB2053	✓	✓	✓	
25-36	AB2453	✓		✓	
28-42	AB2853	✓		✓	
35-50	AB3553	✓		✓	
40-60	AB4053	✓		✓	
45-80	AB5053	✓		✓	
60-100	AB6053	✓		✓	
60-100	AB7053	✓		✓	



Dimensions						Available tips
Lifting capacity	P/N	Flow at 0 bar	Impact	Tool diameter	Equipment weight <sup>1</sup>	
<i>tons</i>	<i>P/N</i>	<i>l/min</i>	<i>num/min</i>	<i>mm</i>	<i>kg</i>	
0.5-2	AB0082	18-25	800-1200	40	55	 Transverse chisel
0.8-1.5	AB0102	10-25	800-1400	40	90	
1-2.5	AB0122	10-25	550-1000	45	120	
2-4	AB0202	25-70	600-1500	57	190	 Ram for AB2453 to AB4053
3-6	AB0292	30-65	380-1100	70	260	
4-8	AB0352	35-70	380-1000	70	310	
6-10	AB0502	40-85	400-1100	80	480	 Pyramid-shaped tip
10-14	AB0853	40-95	350-900	95	800	
12-18	AB1053	70-120	350-900	105	910	
16-24	AB1353	95-130	320-800	125	1450	
22-26	AB1853	120-160	340-800	135	1800	
24-30	AB2053	130-180	270-650	145	2000	
25-36	AB2453	150-200	250-650	150	2450	
28-42	AB2853	170-240	230-600	155	2750	
34-50	AB3553	190-250	230-600	165	3550	
40-60	AB4053	205-270	230-550	175	4000	
45-80	AB5053	260-360	270-530	180	4500	
60-100	AB6053	310-390	280-480	200	5700	
60-100	AB7053	360-450	200-430	205	7000	

<sup>1</sup> Weight with bolted plate









# CLAMSHELL GRAB

## **Earthmoving grab**

page 106

## **Picking grab**

page 108

## **Lifting grab**

page 110

## **Beet grab**

page 111



# Clamshell grab



**5-90 tons**

**16 models**

**Reliability, strength, versatility, and efficiency**

**Customisable**

**Easy maintenance**

## FEATURES

Arden Equipment clamshell grabs are designed for optimal work and performance despite intensive conditions and handling.

Arden Equipment has developed special configurations that work with either horizontal or vertical cylinders. They offer kinematics to handle jobs like unloading boats or freight cars, digging and recovering compact materials.

Each and every Arden Equipment clamshell grab model can be fully customised. Each requirement is carefully studied and validated to ensure a perfect fit between the excavator, the work area, and the nature of the handled materials.

## TECHNICAL APPEARANCE

Arden Equipment clamshell grabs offer:

- a cast steel or mechanically welded superstructure with high yield strength, for excellent load distribution
- perfectly sized joint systems, for reliable and efficient grabs. They do not wear or become misshapen over time.
- 360° rotation to allow easy handling in any work site configuration
- a quick-change system for shells for some BA303, BA404, BA453 and BA553 models, making it possible to change the length of the work area on the ground
- cylinders fitted with rod protectors to limit shocks and scratches to the rods

## OPTIONS

- Single or double safety valve for increased safety at sensitive and regulated work sites
- Automated lubrication on models BA604 and BH550 and up
- Free rotation or fixed clevis instead of a standard crown motor rotation

# Available shells



**Bolted teeth**

## BENEFITS

- ▶ Versatility
- ▶ Cost optimisation
- ▶ Time savings
- ▶ Customisable
- ▶ Easy and optimal filling of shells
- ▶ Easy clearing of materials
- ▶ Large sweeping area

## OPTIONS

- Counter-blades
- Reversible or welded counter-bands
- Belted base
- Automatic lubrication
- Improved seal

**Some shell models are closed for an excellent hold when handling powdery materials – “semi-closed” version.**



## EARTHMOVING GRAB – BA

Each clamshell grab model is configurable. Several options are available for ideal grabbing at your work sites.

The cast steel rudder bar system for quick and easy changing of the shells. This guarantees that shells can be used safely.

ROTATION VERSION	BA102	BA203	BA303	BA404	BA453	BA553	BA604	BA704
With rotator	✓							
With free rotation	✓	✓	✓	✓	✓	✓		
Fixed	✓	✓	✓	✓				
With 1 motor + 1 crown		✓	✓	✓	✓	✓	✓	
With 2 motors + 1 crown								✓
With 2 synchronisation links	✓	✓						✓
<b>SHELLS</b>								
Earthmoving	✓	✓	✓	✓	✓	✓	✓	✓
Backhoe			✓	✓	✓	✓	✓	✓
Circular			✓	✓	✓	✓		
<b>SHELL OPTIONS</b>								
An ejector (backhoe shell)			✓	✓	✓	✓	✓	✓
Bare blade	✓	✓	✓	✓	✓	✓		
Extension sets				✓	✓	✓		
2-motor rotation					✓		✓	
Automatic lubrication kit							✓	✓
Lifting rings on shells					✓	✓	✓	✓
Belted base			✓	✓	✓	✓	✓	✓
Bolted counter-bands					✓	✓	✓	✓
Semi-sealed shells							✓	✓
Semi-closed shells				✓	✓	✓	✓	✓
Cylinders can be equipped with 1 or 2 safety valves				✓	✓			



## BACKHOE GRAB – BA AND BH

Each clamshell grab model is configurable. Several options are available for ideal grabbing at work sites.

For the entire range, the axles are heat-treated to make them harder and to increase their durability and strength.

Special “backhoe” shells offer kinematics that are perfectly suited for handling without digging. Some models of earthmoving clamshell grabs, however, can be used as a backhoe grab: BA303, BA404, BA453, BA553, BA604 and BA704 (see explanations on page 106).

All of these grabs can be equipped with centralised automatic lubrication.

ROTATION VERSION	BH550	BA2VH	BH600	BH600* (d<0.6)
1 horizontal cylinder	✓			
2 horizontal cylinders		✓	✓	✓
15 tons or 20 tons with crown			✓	✓
With 2 motors + 1 crown				✓
With 2 synchronisation links	✓		✓	✓
<b>SHELLS</b>				
Small profile	✓	✓	✓	
Medium profile		✓	✓	
Large profile	✓	✓	✓	✓
<b>SHELL OPTIONS</b>				
Bare blade	✓	✓	✓	✓
Counter-blade	✓	✓	✓	✓
Belted base	✓	✓	✓	✓
Reversible bolted counter-blade	✓	✓	✓	✓
Semi-sealed shells	✓	✓	✓	✓
Semi-closed shells	✓	✓	✓	✓

\*The special low material density BH600 is specially designed to handle wood chips and low density materials. It can handle large volumes of materials for high productivity.





## LIFTING GRAB – BA AND BH

The kinematics of lifting grabs are designed especially to simplify and optimise the unloading of boats. Powerful once closed, they cannot pierce the bottom of embankments or boats.

Arden Equipment lifting grabs are reinforced to resist even the most severe operating conditions. All come standard with:

- **counter-blades**
- **2-motor crown motor rotation**
- **joints fitted with bushings**
- **reinforced beams**
- **mechanical stops**

### ■ **BH713 – 2VH (2 horizontal cylinders)**

This lifting grab has a 25-ton rotation. It was developed for capacities ranging from 2150L to 5000L and widths ranging from 1700 mm to 2300 mm.

### ■ **BA614 – 2VV (2 vertical cylinders)**

This lifting grab has a 25-ton rotation equipped with two motors. It was developed for capacities ranging from 1150L to 2230L and widths ranging from 1200mm to 2300mm.

### ■ **BA714 – 2VV (2 vertical cylinders)**

This lifting grab has a 30-ton rotation equipped with two motors. It was developed for capacities ranging from 2900L to 5030L and widths ranging from 1500mm to 2500mm.

### ■ **BA814 – 4VV (4 vertical cylinders)**

This lifting grab has a 40-ton rotation equipped with two motors. It was developed for capacities ranging from 3590L to 10000L and widths ranging from 1800mm to 3000mm. This model is designed specifically for high closing strength using four cylinders arranged on a wide frame.

For all models in the range, it is possible to obtain special profiles for lightweight materials with capacities of up to 15000L.

## OPTIONS

- **Automatic lubrication kit**
- **Arden Jet**



## BEET GRAB – BB2VHD

Arden Equipment has developed a grab specifically for handling beets, endives, potatoes and carrots.

The kinematics for the shells are specially designed to avoid damaging the beets during handling, while optimising their pick-up from the ground.

The design of the entire frame is wide and flat, thereby reducing overhang and making it easier to pass over the side panels of machinery clamshell grabs.

This clamshell grab offers:

- 360° rotation provided by two hydraulic motors and a crown slewing ring
- several sets of shells available for this clamshell grab, with varying widths and capacities
- abrasion-resistant cast steel teeth on profiled shells to reduce how much soil is collected and to minimise markings on the beets
- 2 horizontal cylinders with final dampers at the opening that are protected in the frame to limit impacts and noise when the shells are opened
- 2 support links incorporated in the frame for better load distribution

### OPTIONS

- Flow control kit
- Traditional handling shells for other types of materials





## CLAMSHELL GRAB TECHNICAL SPECIFICATIONS

Clamshell grab model	BA102	BA203	BA303	BA404	BA453	BA553	BA604	BA704
<i>Lifter</i>	5-15 tons <sup>1</sup>	8-24 tons <sup>1</sup>	10-13 tons	14-19 tons	18-22 tons	23-30 tons	27-40 tons	39-53 tons
Earthmoving shells	✓	✓	✓	✓	✓	✓	✓	✓
Handling shells			✓	✓	✓	✓	✓	✓
Circular shells			✓	✓*	✓**	✓***		

<sup>1</sup> Varies by lifter type (mini excavator/crane vehicle) – Contact us

\* shells with diameters ranging from 900 mm (340 kg) to 1300 mm (610 kg)

\*\* shells with diameters ranging from 900 mm (365 kg) to 1500 mm (715 kg)

\*\*\* shells with diameters ranging from 1100 mm (495 kg) to 1700 mm (715 kg)

Clamshell grab model	BA1VH	BA2VH	BH600	BB2VH	BH713	BA614	BA714	BA814
<i>Lifter</i>	20-37 tons <sup>1</sup>	27-70 tons <sup>1</sup>	20-40 tons	15-23 tons	TBD <sup>2</sup>	TBD <sup>2</sup>	TBD <sup>2</sup>	TBD <sup>2</sup>
Earthmoving shells					Special lifter or intensive change			
Handling shells	✓	✓	✓	Beet shells				
Circular shells								

<sup>1</sup> Varies by lifter type (mini excavator/crane vehicle) – Contact us

<sup>2</sup> Custom design for all models

### Notes for the following specifications tables:

<sup>1</sup> For some models: varies by lifter type (mini excavator/crane vehicle) and configuration – Contact us

<sup>2</sup> Custom design for all models

<sup>3</sup> SP: small profile, MP: medium profile, LP: large profile

<sup>4</sup> Weight without cardan, superstructure only

<sup>5</sup> Weight without cardan, superstructure + shells

<sup>6</sup> Model available in two versions, with different motors (R201 vs R151) – Contact us for more information

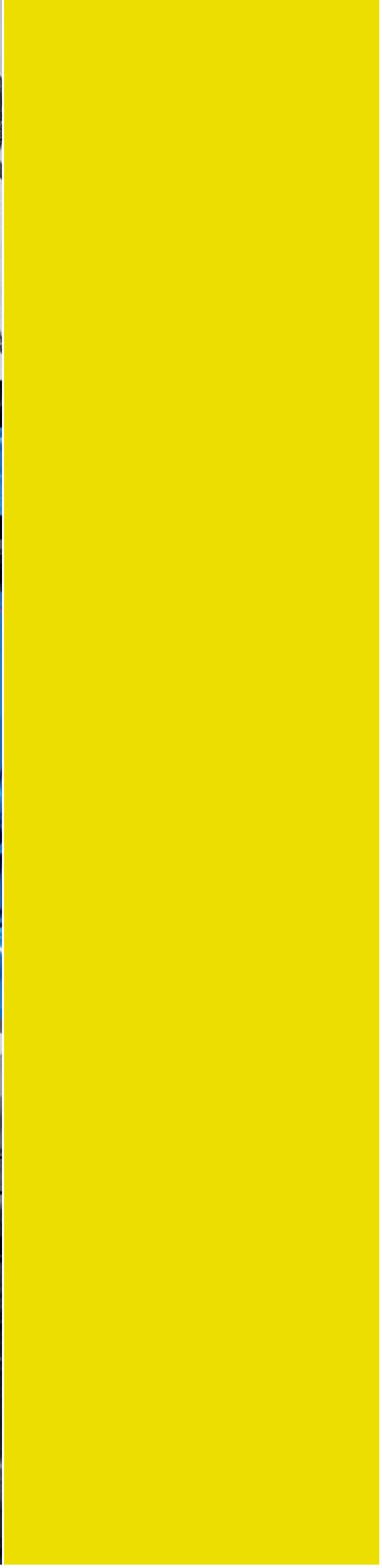
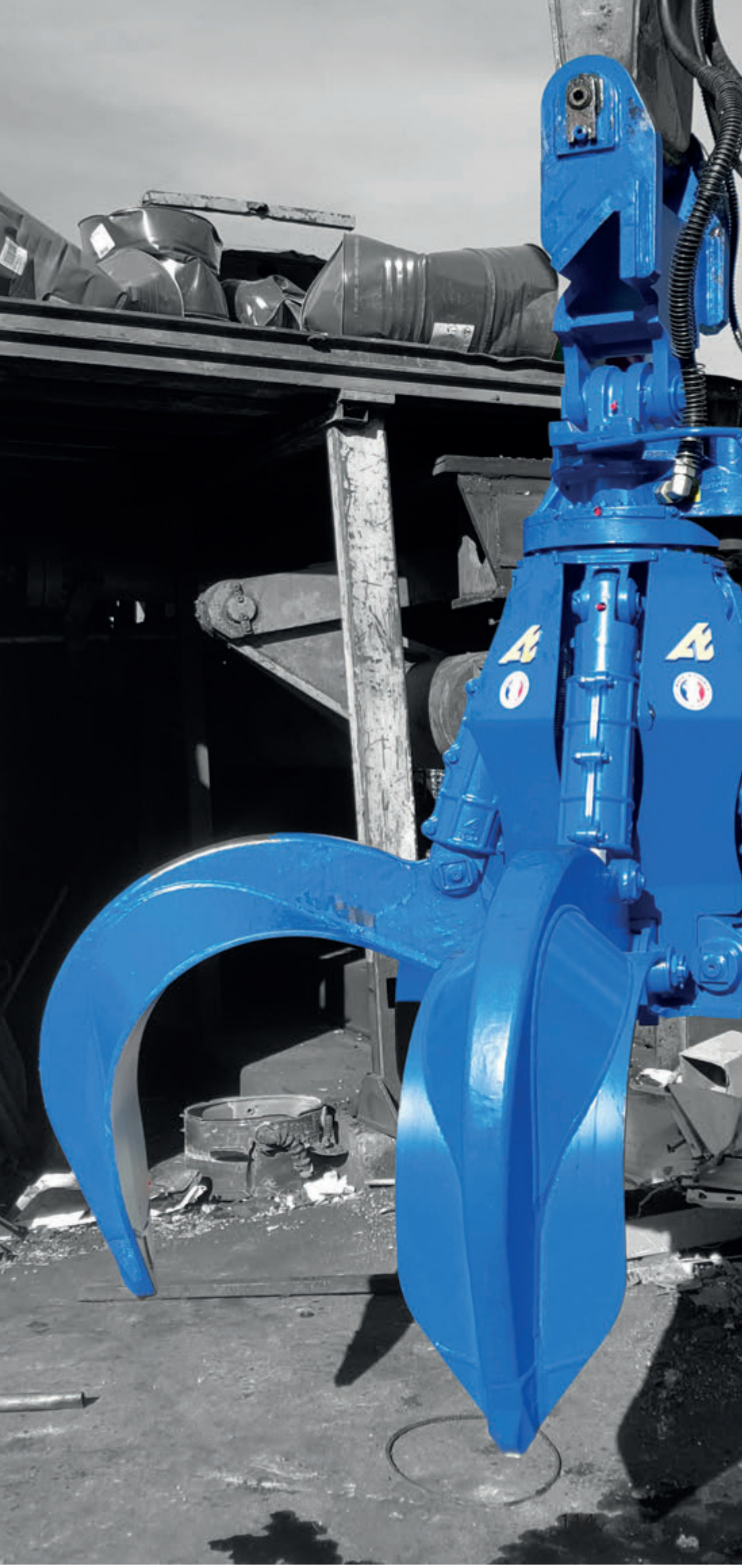
<sup>7</sup> Weight without cardan

Special clamshell grabs (beet & lifter)

Lifting capacity <sup>1</sup>	P/N	Use	Range capacity Shell width/capacity <sup>3</sup>	Equipment weight <sup>4</sup>
tons	P/N		mm/l > mm/l (kg)	kg
15 – 23	<b>BB2VH</b>	Beet	1400/1600 > 2350/1870	1470 > 1870 <sup>7</sup>
27 – 70	<b>BH713</b>	Lifter	1700/3670 > 2300/5000	3285 > 3680
TBD <sup>2</sup>	<b>BA614</b>	Lifter	SP: 1500/1440 > 2000/1940 LP: 1500/1850 > 2000/2480	SP: 2360 > 2615 LP: 2455 > 2725
TBD <sup>2</sup>	<b>BA714</b>	Lifter	SP: 1500/2550 > 2500/4290 LP: 1500/2980 > 2500/5020	SP: 3430 > 4150 LP: 3520 > 4250
TBD <sup>2</sup>	<b>BA814</b>	Lifter	SP: 2000/3590 > 3000/6040 LP: 2000/5040 > 3000/7620	SP: 5020 > 5740 LP: 5170 > 6000

Earthmoving and handling grabs

Lifting capacity <sup>1</sup>		P/N	Use	Product range		Weight
		P/N	E: earthmoving H: handling	Earthmoving shells Width/capacity (weight)	Earthmoving shells <sup>3</sup> Width/capacity (weight)	Equipment weight <sup>4</sup>
Mini excavator tons	Crane vehicle tons	P/N	E: earthmoving H: handling	mm/l (kg) > mm/l (kg)	mm/mm (kg) > mm/mm (kg)	kg
5 – 7	8 – 15	<b>BA102</b>	E/H	400/190 > 900/440		260 > 340 <sup>5</sup>
8 – 10	16 – 24	<b>BA203</b>	E/H	400/190 > 900/440		300 > 380 <sup>5</sup>
10 – 13		<b>BA303</b>	E/H	300/145 (294) > 900/470 (439)	1000/525 (414)	211
14 – 19		<b>BA404</b>	E/H	300/145 (294) > 900/470 (439)	1000/525 (414)	251
18 – 22		<b>BA453</b>	E/H	300/175 (447) > 1000/625 (647)	1200/1000 (727)	262
23 – 30		<b>BA553</b>	E/H	400/350 (670) > 1500/1450 (1215)	1500/1450 (1300)	648
27 – 40		<b>BA604<sup>6</sup> (R201)</b>	E/H	1000/950 (692) > 1600/1550 (977)	SP: 1500/1850 (1162) > 2100/2600 (1457) LP: 1500/2550 (1282) > 2100/3590 (1592)	863
27 – 40		<b>BA604<sup>6</sup> (R151)</b>	E/H	1000/950 (692) > 1600/1550 (977)	SP: 1500/1850 (1162) > 2100/2600 (1457) LP: 1500/2550 (1282) > 2100/3590 (1592)	711
39 – 53		<b>BA704</b>	E/H	1500/2540 (1630) > 1700/2900 (1750)	SP: 1500/2540 (1630) > 2500/4280 (2210) LP: 1500/2980 (1705) > 2500/5020 (2300)	1200
20 – 26 27 – 37		<b>BH550</b>	H	-	SP: 1000/900 (1265) > 1800/1650 (1552) LP: 1000/1090 (1320) > 1800/2000 (1610)	480
20 – 40		<b>BH600<sup>6</sup> (R151)</b>	H	-	SP: 1000/1080 (953) > 2100/2310 (1434) MP: 1000/1280 (1008) > 2100/2750 (1506) LP: 1000/1710 (1108) > 2100/3670 (1633)	500
20 – 40		<b>BH600<sup>6</sup> (R201)</b>	H	-	SP: 1000/1080 (953) > 2100/2310 (1434) MP: 1000/1280 (1008) > 2100/2750 (1506) LP: 1000/1710 (1108) > 2100/3670 (1633)	660
27 – 53 36 – 70		<b>BA2VH</b>	H	-	SP: 1700/2150 (1496) > 2300/3000 (1787) MP: 1700/3000 (1619) > 2300/4000 (1927) LP: 1700/3670 (1751) > 2300/5000 (2074)	1139



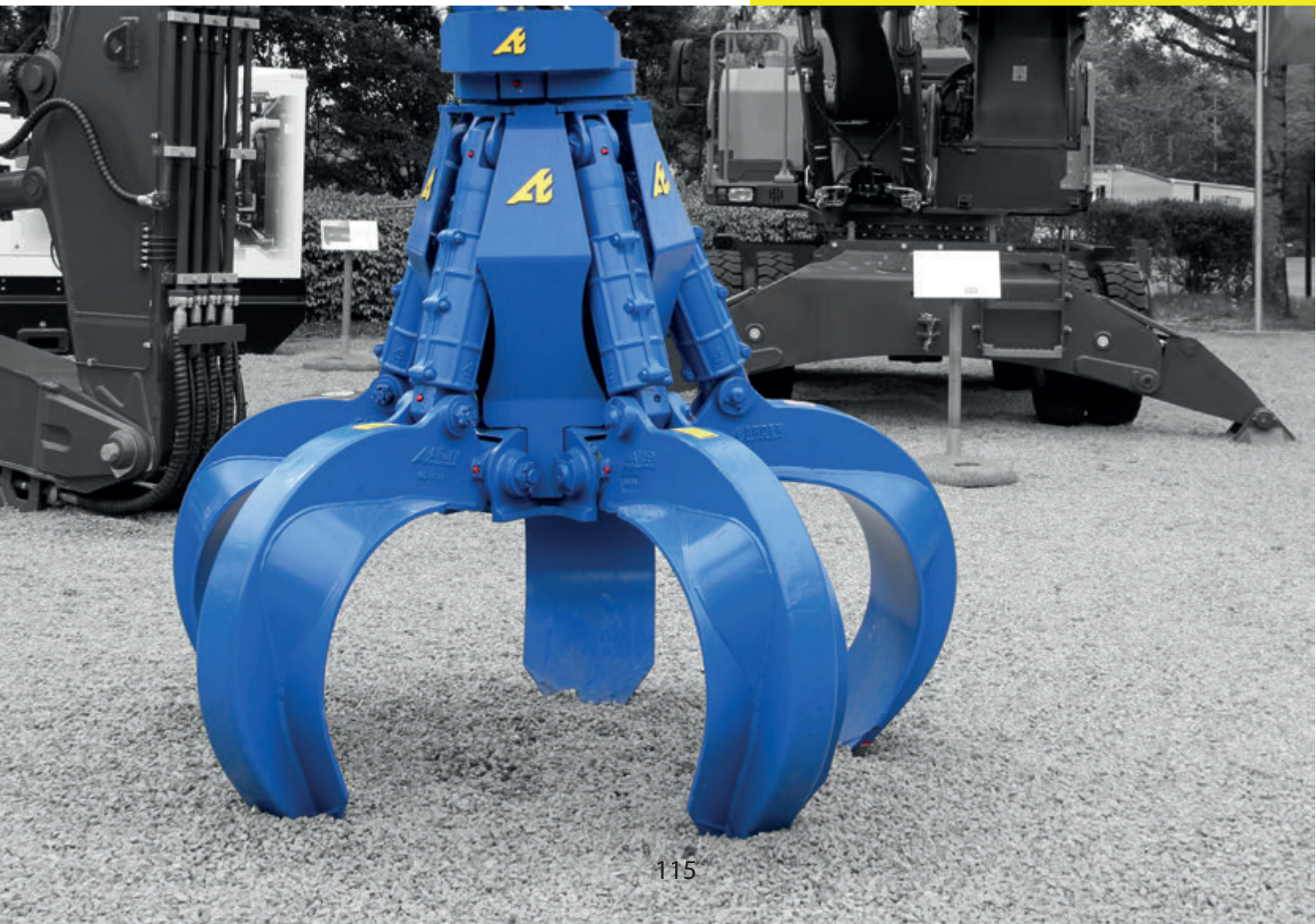


## **Range of grabs**

page 116

## **Available claw finishes**

page 119



# Grab



**6-90 tons**

**9 models**

**Reliability and strength**

**Customisable**

**Easy maintenance**

**Available with 3, 4 or 5 claws**

**2 special versions for crane vehicles**

## FEATURES

Arden Equipment grabs offer everything that handling and recycling professionals need.

## TECHNICAL APPEARANCE

Arden Equipment grabs offer:

- 1. reinforced claws
- 2. cylinder rods protected with a cast or welded steel shielding
- 3. high frequency treated axles
- 4. bushed axle openings
- 5. crown motor rotation adapted for lifting capacity
- 6. high yield strength steel frame
- 7. removable, interchangeable cast steel tips

## BENEFITS

### ► Resistance

These grabs are extremely sturdy, even under extreme operating conditions.

### ► Reduced maintenance

Maintenance is easy thanks to quick access to components and lubricators. All cylinder feed hoses are protected.

A ROC version is available for models GA452 and up.

There are special versions available for a variety of operating constraints, including material and environmental constraints.

#### ■ GP200

This grab is available with rotation (rotator) or as a simple rotating joint. It can be equipped with 4 or 5 claws, whether used with a mini-excavator or crane vehicle.



#### ■ GP251

Available with 4 or 5 claws, the GP251 comes with free rotation (crown + 1 motor).

#### ■ G0951

It can also come with free rotation using a rotating joint. The frame is available with 4 or 5 claws.



#### ■ GA452

It's easy to replace the hoses, access the cylinders or even access the protected external motor. The GA452 comes with 3, 4 or 5 claws, with rotation powered by a crown and 1 or 2 motors. There are 3 diameters and 5 claw options available.



#### ■ GA550

Maintenance for this grab is quick and easy, mainly due to the simple coverings that protect the cylinder hoses and the protected external motor. The GA550 grab comes with a crown motor rotation.

It features a superstructure where 3, 4 or 5 claws can be mounted. There are 3 different diameters available.



#### ■ G1852

The G1852 features a sturdy structure. With a crown and 2 motors, it can also work with 3, 4 or 5 claws. There are 3 available claw diameters.





#### ■ G7082

The G7082 grab is available in 3 versions, with 3, 4 or 5 claws. All of these versions come with two-motor hydraulic rotation and a 30-ton capacity.



#### ■ GA800

This 5-claw grab consists of a frame with 1 crown and 2 motors.

Its sturdy structure is perfectly suited for intensive loading and unloading work. This model requires an automatic lubrication kit.



#### ■ 2x4-claw grab

Arden Equipment has developed special grabs equipped with 8 claws and a 2500L or 3000L capacity. These grabs are designed primarily for unloading freight cars.

Their rectangular shapes help make unloading fast and easy. This model requires an automatic lubrication kit.



### OPTIONS

- Safety valve installed on the cylinders in some models
- Crocodile teeth on each claw for picking up blocks
- Reinforced cores

## AVAILABLE CLAW FINISHES

Arden Equipment grabs can be equipped with 3, 4 or 5 claws:

- ▶ 3 claws for picking up irregularly-shaped items, like uncut stone blocks
- ▶ 4 claws, ideal for picking up mainly square-shaped items or ELVs (end-of-life vehicles)
- ▶ 5 claws, the standard finish in Europe, for versatility and efficiency

These claws can be reinforced and shaped for their intended use.



GA550 – wide core



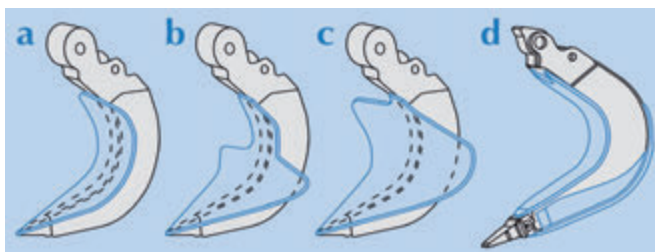
GA550 – full core



GA452 – rock claws

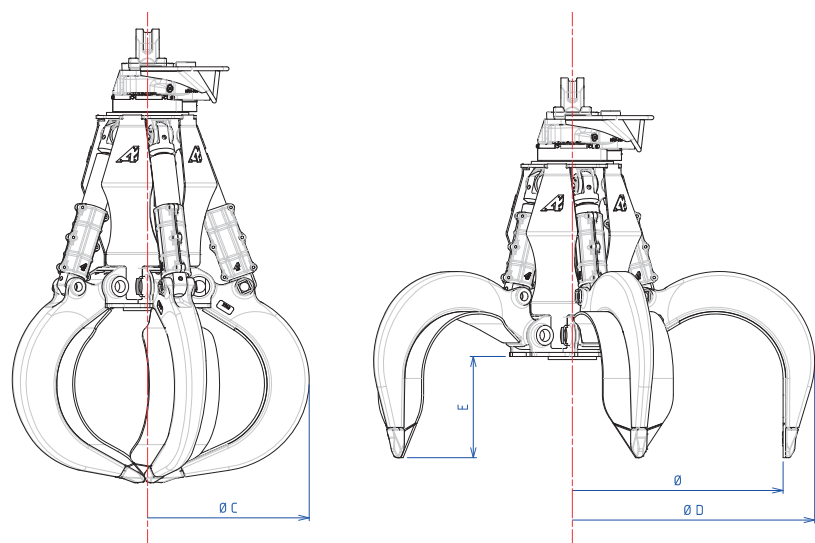
We offer a wide range of claws with various diameters and capacities, including:

- ▶ Bare claws: These are used to pick up various compact materials.
- ▶ Wide Core claws: These claws are popular for picking up scrap metal or NHIW. High Core claws: This type of claw is useful for picking up small-diameter materials without loss between the claws.
- ▶ Full Core claws: Full Core claws are used for picking up small materials.
- ▶ Rock claws: Ideal for picking up blocks of stone or rocks, these claws can also be adapted to pick up blocks with a small diameter because of their recessed core option. The crocodile teeth option keeps rocks from sliding out of the grab.



- a: Wide Core
- b: High Core
- c: Full Core
- d: Rock Claw

GRAB TECHNICAL SPECIFICATIONS



					Product range			Weight
Lifting capacity		P/N	Capacity	E Height below frame	Ø Inner diameter when open	Ø C Diameter when closed	Ø D Outer diameter when open	Equipment weight <sup>2</sup>
Mini excavator tons	Crane vehicle tons	P/N	L	mm	mm > mm	mm > mm	mm > mm	kg > kg
6-7	8-15	GP200	270	435	1500	1195	1785	410 > 515
8-10	16-24	GP251	270	435	1500	1195	1785	435 > 540
12-15		G0951	360	430	1750	1342	1916	700 > 855
16-24		GA452	400 > 800	460 > 545	1800 > 2200	1345 > 1670	2140 > 2465	1170 > 1585
24-31		GA550	800 > 1000	545 > 590	2200 > 2400	1620 > 1780	2500 > 2735	1555 > 2050
31-45		G1852	780 > 1500	700 > 879	2400 > 3000	1770 > 1968	2700 > 3340	2550 > 3610
46-53		G7082	2200	780	3200	2270	3570	3470 > 4190
50-90		GA800	3800	949	3700	2830	3620	6170 > 6480
50-90		2x4 Claws	8-claw grab with 2500L–3000L capacity. Contact us.					

<sup>1</sup> Varies by lifter type (mini excavator/crane vehicle) – Contact us.

<sup>2</sup> The weight varies depending on the type of claws mounted on the frame – weight shown without cardan for the 5-claw version

The lifter and grab are connected by means of a **standard, quick or automatic cardan** (see *Accessories p.114*).

The **grab is selected based on the lifting capacity of the lifter, the type of product to be handled and the work area.**









## **Clamshell grab BA404 – BA453**

page 124

## **Ballast grab BA213**

page 124

## **Rail grip**

page 125

## **Cross-piece grip**

page 125

## **Ballast clearing machine**

page 125

## **Railway catenary grab**

page 125





# Rail



8-23 tons

5 models

Reliability and strength  
Customisable

## FEATURES

Arden Equipment has developed a special range of rail equipment to meet the needs of railway sector professionals. There are several products available.

## TECHNICAL APPEARANCE



■ **Clamshell grab BA404 for 14 to 18 tons and BA453 for 19 to 23 tons**

Equipped with a rotation driven by a single motor or a compact rotator for 9 tons of axial load, these grabs can be equipped with rail shells, available in several sizes. Their opening is specially adapted for the spacing of SNCF rails. With the interchangeable shell system, it is also possible to use a grip to pick up a rail.

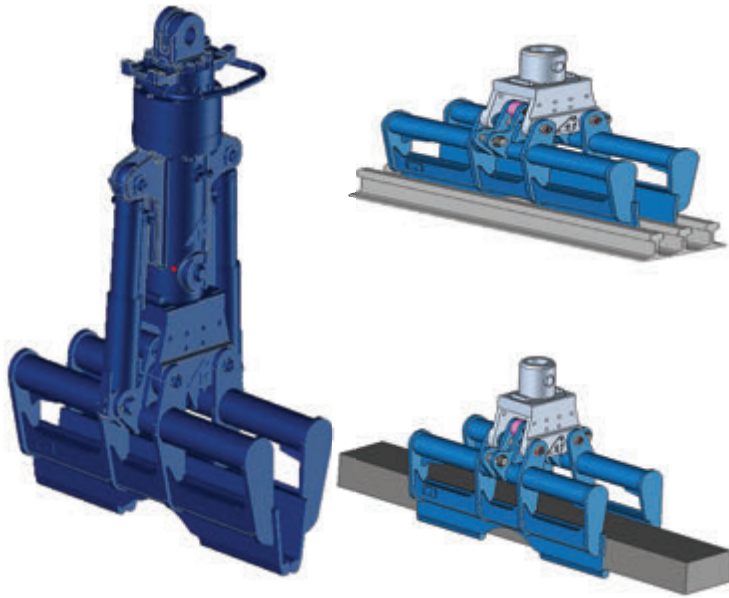
You have the option to choose a single or double safety valve (essential in regulatory areas).

*The frame allows standard shells to be re-adapted so that the excavator can be used outside of railways.*

■ **Ballast grab BA213 for 8 to 13 tons**

This grab features a crown motor and is equipped with special ballast shells. There are standard shells for potential use outside of railways.





### ■ Rail grip

This is a special grip for handling single rails. It is designed to leave no marks on the rails while keeping an excellent grip.

Mounted on BA404 and BA453 grab frames exclusively, this set of shells can also be used to handle beams and cross-pieces.

### ■ Cross-piece grip (EU-RT model)

This grip is equipped with rotation driven by a compact rotator for 9 tons of axial load. This grip is available with two opening sizes (small or medium). It is used to handle cross-pieces or beams.



### ■ SNCF box clearer

This tool is used to push the ballast under rails outside of boxes.

### ■ Railway catenary grab

This tool is used to hold and handle catenaries. It is available with or without rotation.



**Contact us for more information.**





# LOADER

## **Standard loader buckets**

page 129

## **High Tip (HT)/Full Tip (FT) loader buckets**

page 132

## **Multifunction loader buckets**

page 139

## **Loader pallet fork**

page 135

## **Loader quick hitches**

page 136



# Loader



4.5-50 tons

3 models

Full line of quick hitches for buckets and pallet forks

Available for all configurations

Available with several types of buckets (MH/GP/HD/RC/CV)

Customisable

There are 3 categories of Arden Equipment loader buckets:

## 1 Standard Buckets

3 to 50-ton loaders

## 2 Multifunction Buckets

5 to 18-ton loaders

The bucket is chosen based on various criteria:

1. the type and density of materials
2. the width of the loader
3. the height of the loader
4. the type of loader (tipper, kinematics)
5. preference for direct mounting or quick hitch

Arden Equipment loader buckets are fully customisable.

Loader quick hitches

6 to 34-ton loaders  
option: hydraulic kit

Loader pallet fork

## 3 High Tip Buckets

4.5 to 50-ton loaders

### OPTIONS:

- Full Hardox body
- Serrated blade
- Teeth
- Deflectors
- Caps or grating
- Straight, convex or indented sides
- Half-delta blade



# Standard Loader Buckets

## FEATURES

Arden Equipment standard loader buckets are used for:

- **loading**
- **transporting**
- **construction**
- **building**
- **earthmoving**
- **waste handling**
- **recycling**
- **landscaping**
- **quarries**

These buckets are all designed for the purpose of quick, optimal filling, depending on the machinery and application.

They are available in all sizes and for all lifters with original or quick hitches.

They all come equipped with a reversible bolted counter-blade, a belted base and curves on the sides.

There are four available standard buckets:

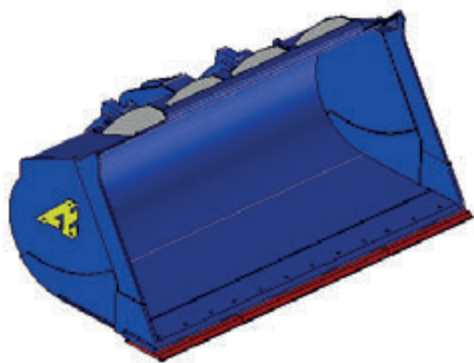
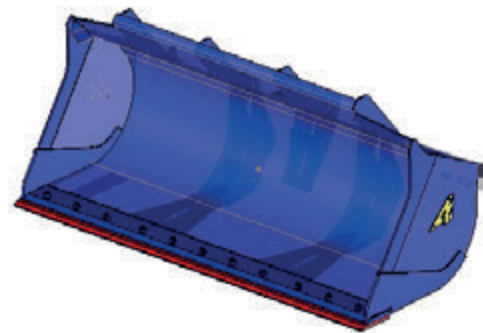
1. **The GP or General Purpose bucket**
2. **The HD or Heavy Duty bucket**
3. **The MH or Material Handling bucket**
4. **The CV or Skeleton bucket**
5. **The RC or Rock bucket**



## 1 General Purpose Bucket – GP L31>L71

This bucket is perfectly suited for picking up high density materials, such as gravel, ballasts or sand. Its blades and wear pads are made of abrasion-resistant steel (500 HB), as are its curves and band protections (450 HB).

Its shape is adapted for the machine and materials with which you are working.

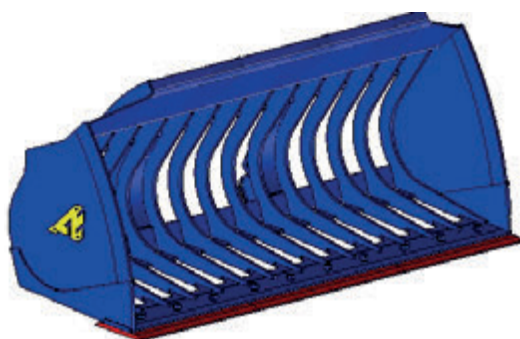
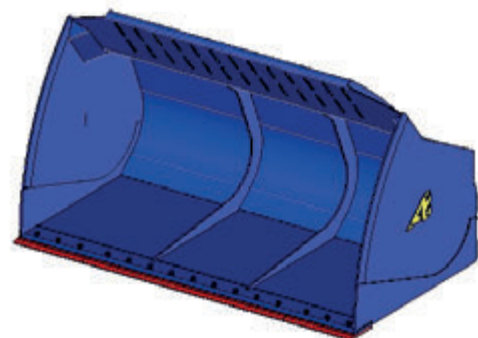


## 2 Heavy Duty Bucket – HD L31>L61

With its very sturdy design, the Heavy Duty bucket can be used under intensive conditions, including applications involving multiple shifts. Like the GP bucket, most of the parts on this bucket are made of 450 HB abrasion-resistant steel. The blades, wear pads, curves and band protections are made of 450 HB steel. Its shape is adapted for the machine and materials being handled. Welded bimetal stickers, band protections and inter-teeth shields are available as options.

## 3 Material Handling Bucket – MH L31>L61

With a similar construction to the GP and HD buckets (abrasion-resistant Hardox steel with the same properties), this bucket is perfectly suited for handling low-density materials, like grain, wood, compost and snow. There are multiple configurations available with bolted counter-blades or teeth.

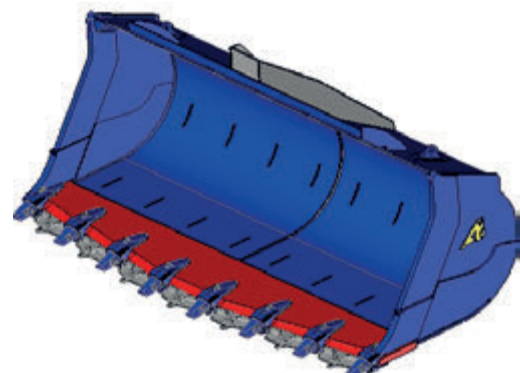


## 4 Skeleton Bucket – CV L11>L61

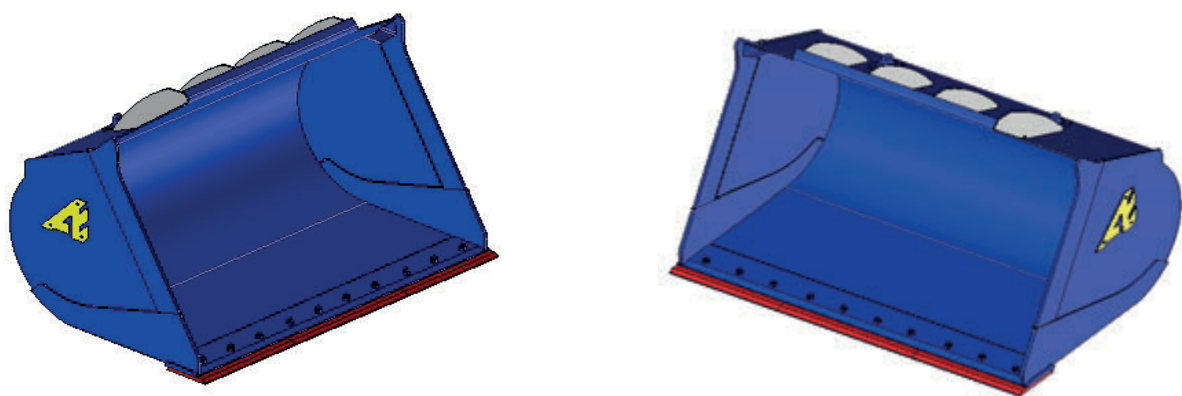
The skeleton bucket is used for filtering earth, pavers and demolition waste.

## 5 Rock Bucket – RC L41>L71

The Rock bucket is used for working under extreme, abrasive conditions in quarries or manufacturing. Like the HD bucket, most of the parts on this bucket are made of 450 HB abrasion-resistant steel. The blades, wear pads, curves and band protections are made of 450 HB steel. Its shape is adapted for the machine and materials being handled. Welded bimetal stickers, band protections and inter-teeth shields are available as options.



STANDARD BUCKET TECHNICAL SPECIFICATIONS



Lifting capacity <sup>1</sup>	P/N	Use	Product range
			Width/capacity (weight)
tons	P/N	MH: material handling GP: general purpose HD: heavy duty CV: skeleton	mm/l (kg) > mm/l (kg)
7-12	L31	MH	2200/1820 (801) > 2600/2700 (945)
		GP	2200/1820 (890) > 2600/2700 (1050)
		HD	2200/1820 (979) > 2600/2700 (1155)
		CV	2400/2010 (1030) > 2400/2500 (1155)
12-18	L41	MH	2600/2830 (969) > 3200/3800 (1316)
		GP	2600/2830 (1076) > 3200/3800 (1463)
		HD	2600/2830 (1292) > 3200/3800 (1755)
		CV	2800/2770 (1700) > 2800/3400 (1830)
18-23	L51	MH	2800/3600 (1483) > 3400/5000 (1797)
		GP	2800/3600 (1854) > 3400/5000 (2246)
		HD	2800/3600 (2225) > 3400/5000 (2695)
		CV	3000/3895 (2560) > 3000/4700 (2860)
24-333	L61	MH	2800/4100 (1659) > 3600/8400 (2183)
		GP	2800/4100 (1952) > 3600/8400 (2568)
		HD	2800/4100 (2342) > 3600/8400 (3082)
		CV	3400/5300 (3660) > 3400/7500 (4620)

# High Tip/Full Tip HT/FT Loader Buckets



## FEATURES

The High Tip or Full Tip loader bucket is ideal for unloading or handling low-density materials, such as grain, compost or fertiliser. It is used at waste handling sites, recycling centres and agricultural cooperatives.

## BENEFITS

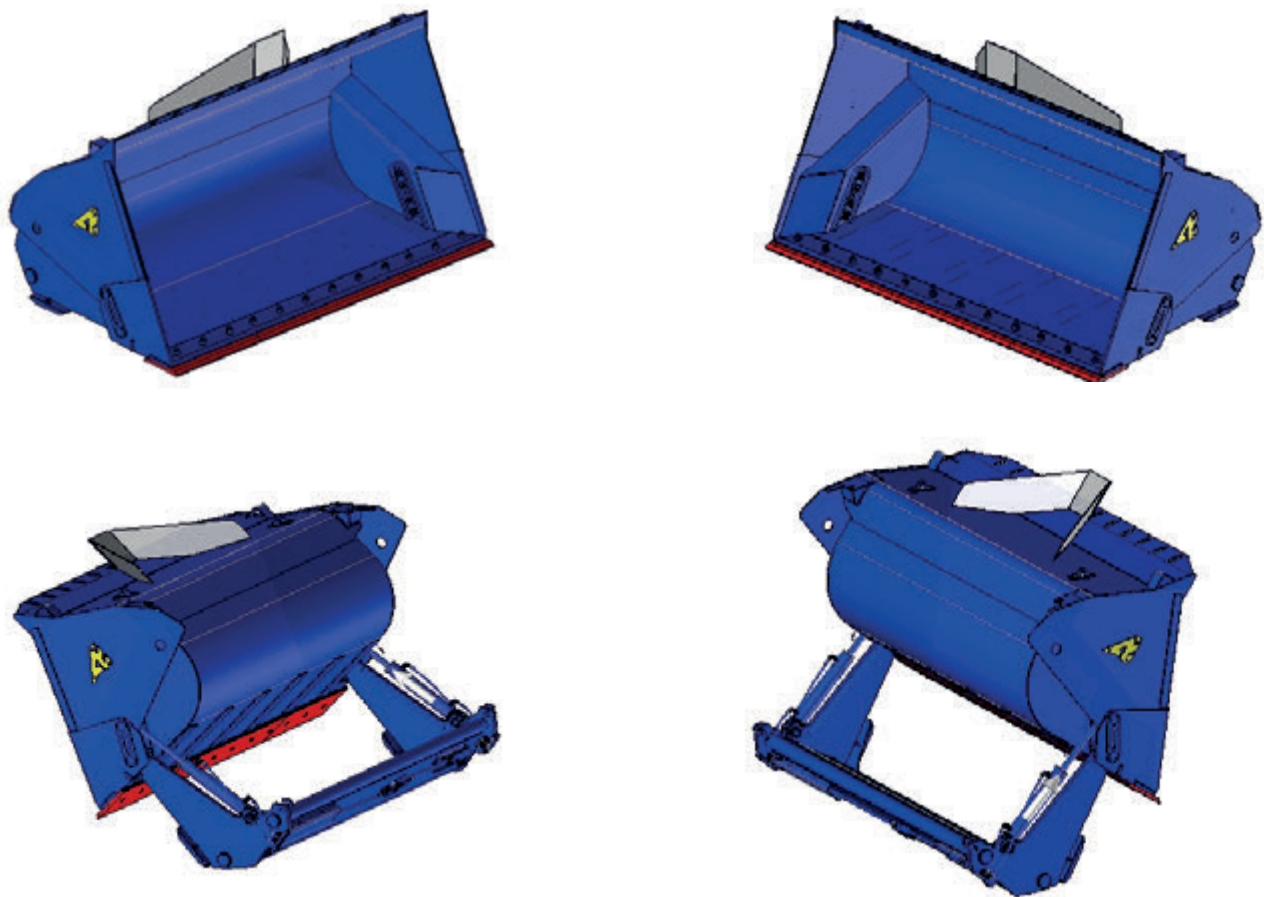
- ▶ Its two horizontal cylinders are fully protected in shaped casing for excellent penetration.
- ▶ They are equipped with progressive final dampers for opening and closing.
- ▶ Mechanical stops are installed for opening and closing, which protect the tool when tipping or loading.
- ▶ The frame and body have been optimised through calculation based on the finished elements.
- ▶ A reversible bolted counter-blade made of 500 HB steel, comprised of three assembled parts.
- ▶ The hinge pins are protected and can be removed from the outside.
- ▶ The body is reinforced with wear strips.
- ▶ It comes standard with grouped lubrication.
- ▶ It is available in several sizes and widths, depending on the type of loader and materials to be handled.
- ▶ It comes in a reinforced version for more demanding uses.

## OPTIONS

- Deflectors
- Cap (for about 10% higher capacity)
- Grating
- Right sides
- Intended sides for sticky materials
- Convex sides for light materials
- Full Hardox 450 HB body
- Two- or three-way flow regulator
- Protective hose covers
- Centralised one-point lubrication



**HIGH TIP BUCKET TECHNICAL SPECIFICATIONS**



		Product range
Lifting capacity	P/N	Width/capacity (weight)
<i>tons</i>	<i>P/N</i>	<i>mm/l (kg) &gt; mm/l (kg)</i>
4.5-8	<b>DI0200</b>	1600/800 (710) > 2000/1200 (790)
7-12	<b>DI0301</b>	2400/2400 (1350) > 3000/4020 (1630)
12-18	<b>DI0401</b>	2600/3620 (1834) > 3400/6060 (2157)
18-23	<b>DI0500</b>	2800/4420 (2400) > 3400/6740 (2771)
24-33	<b>DI0600</b>	2800/4430 (3258) > 3600/8430 (3945)

These multifunction buckets are available in 3 or 4 different shapes. – Contact us for more information.

# Multifunction MF Loader Buckets



## FEATURES

The multifunction bucket is designed for universal use, for loading all the usual materials, grabbing, sorting and cleaning.

## BENEFITS

- ▶ 2 hydraulic cylinders
- ▶ A protective hose cover
- ▶ Suitable for multiple uses thanks to a large opening for optimal filling and large capacities
- ▶ Multiple available versions and widths

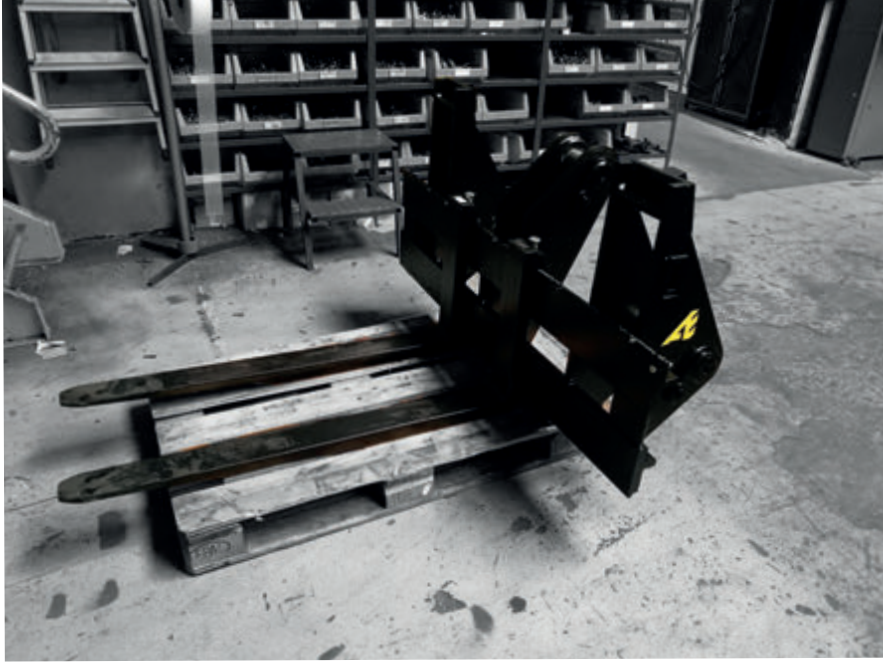
## OPTIONS

- Deflectors
- Cap (for about 10% higher capacity)
- Grating
- Full abrasion-resistant 450 HB body

## HIGH TIP BUCKET TECHNICAL SPECIFICATIONS



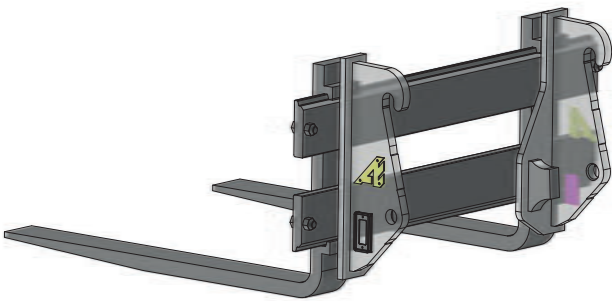
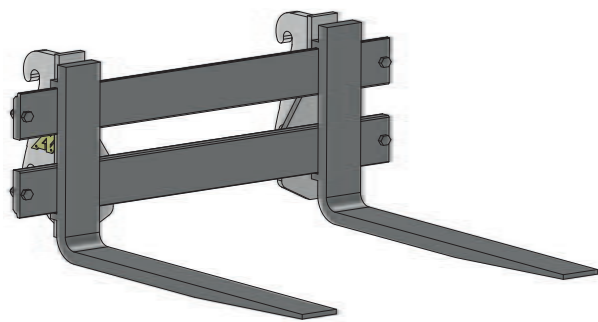
		Product range
Lifting capacity	P/N	Width/capacity (weight)
tons	P/N	mm/l (kg) > mm/l (kg)
4.5-8	<b>MF0201</b>	1800/500 (720) > 2200/600 (760)
12-18	<b>MF0301</b>	2000/900 (720) > 2400/1100 (760)
18-23	<b>MF0401</b>	2400/2200 (1900) > 2600/2500 (2100)



# Pallet Forks

Arden Equipment offers a pallet fork designed especially for loaders. It is available for 2, 3, 4, 6 or 10 tons.

## HIGH TIP BUCKET TECHNICAL SPECIFICATIONS



Lifting capacity	P/N	product load capacity	weight	
<i>tons</i>	<i>P/N</i>	<i>tons</i>	<i>kg</i>	
4.5-8	<b>LP2</b>	2	150	Contact us for more information
7-12	<b>LP3</b>	3	200	
12-18	<b>LP4</b>	4	250	
18-24	<b>LP6</b>	6	300	



# Loader quick hitches



Arden Equipment has developed a range of special hydraulic loader hitches.

The range includes four models of hitches, depending on the weight of the loader.

Each requirement is studied based on the machine for a perfect fit between the lifter and the hitch. The excavator's digging force and original kinematics are maintained.

## BENEFITS

Arden Equipment loader quick hitches offer several benefits:

- ▶ They make it possible to use Arden Equipment buckets or any other brand of bucket.
- ▶ They are made of high yield strength abrasion-resistant steel for lightness and strength.
- ▶ Tools can be fully loaded from the cab. The operator no longer has to leave the cab, which maximises safety conditions.

## OPTIONS

A hydraulic kit can be installed on the loader.











# ARDEN JET TECHNOLOGY



ARDEN JET 

# ARDEN Jet

- Patented technology to cut down on dust emissions
- Six-time prize winner in France and abroad
- Solution directly integrated into the equipment
- Reduced water use
- Targeted dust control
- Available for five ranges of equipment

## Six-time demolition and recycling industry prize winner in France and abroad

Arden Jet is the first ever factory-integrated water spraying system designed by Arden Equipment to cut down on dust emissions that are harmful to the environment and operators at the work site.

It is ideal for demolition sites in cities, quarries and recycling sites.

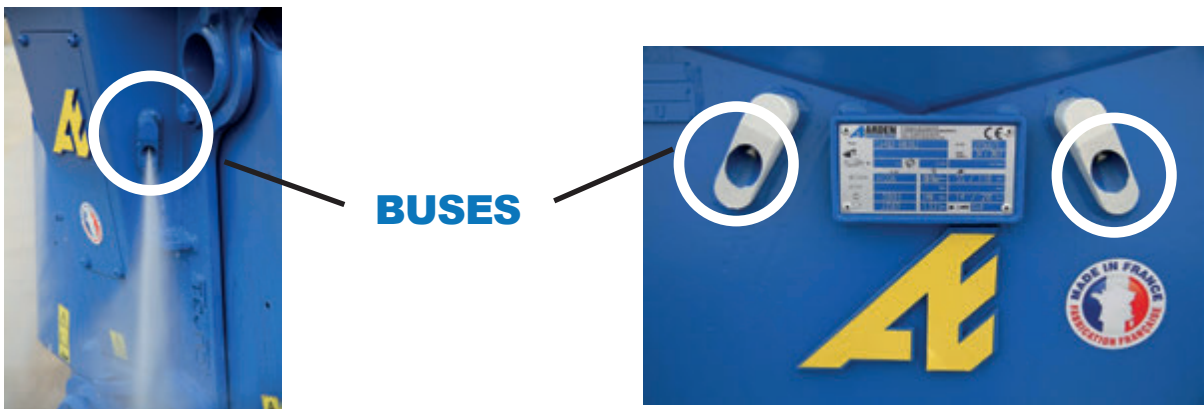
### FEATURES

- Technology directly integrated into the equipment

Arden Jet provides high-pressure misting installed directly into the equipment, as close as possible to the claws, for targeted dust control.

- Arden Jet spray nozzles

The nozzles are integrated directly into the equipment and can be changed and adjusted as needed for the work site. The shape and angle of the jet can also be adjusted to each job.



- **Hoses fully integrated into the equipment**

- **Special rotating joint**

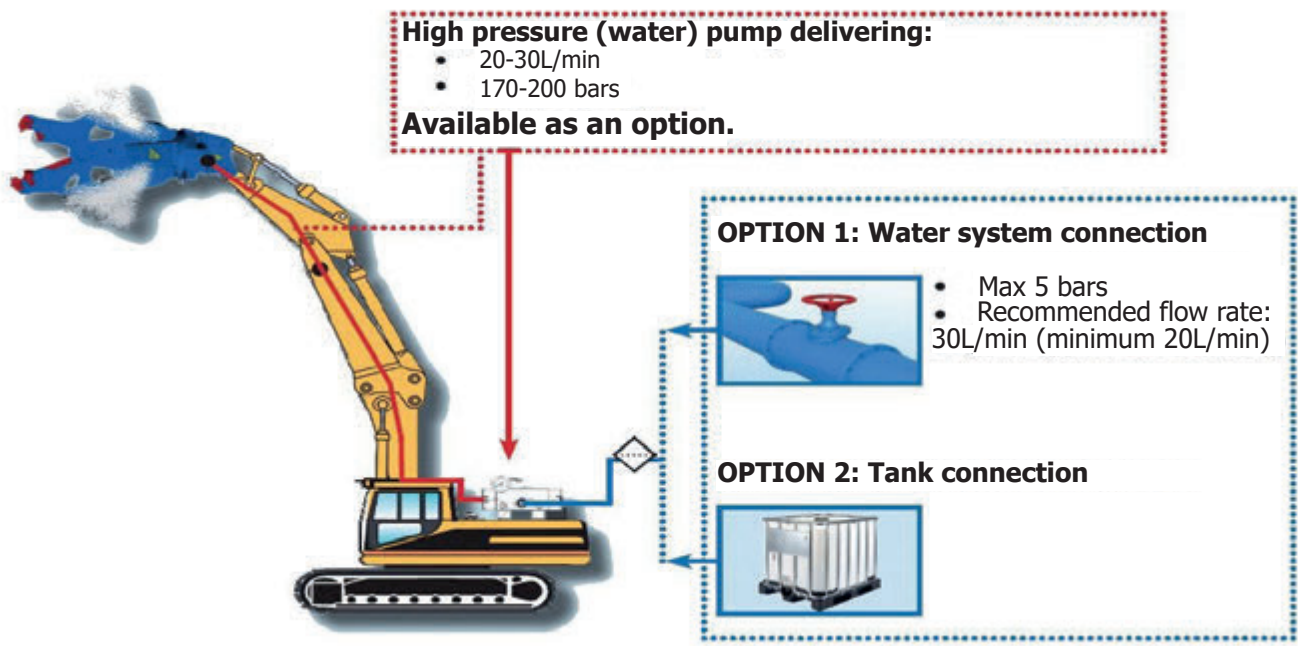
This allows the water and oil to circulate separately and safely.

- **Inverted cylinders with rods protected inside the frame**

Protection against impacts and water

- **Works with a hydraulic water pump**

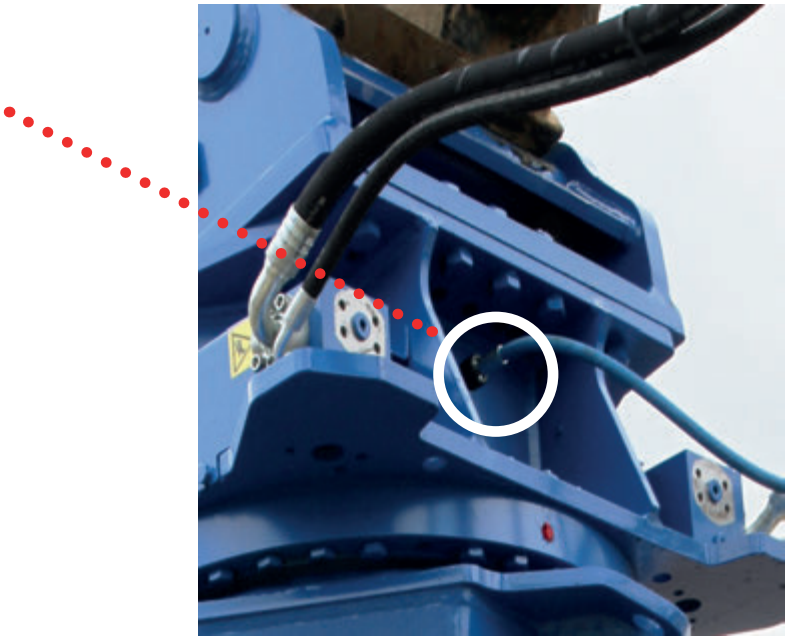
Arden Jet technology works with a high-pressure hydraulic water pump or with a thermal water or electrical pump system to be installed on the excavator.



**Note:** Pump operating with the lifter’s hydraulic system. Ability to start automatically when the claws close.

- **A1 hydraulic connection:**  
1/4 cylindrical gas
- **Water flow control:**  
maximum 30L/min  
minimum 20L/min
- **Water pressure control:**  
maximum 200 bars  
minimum 170 bars

In freezing temperatures, use a water + biodegradable antifreeze solution or heating cables.  
Disconnect the A1 connection and let it run out.





**BENEFITS**

- ▶ Dust emissions are minimised, helping to protect personal health and the environment.
- ▶ Demolition work is more precise, with better and finer fog control.
- ▶ The rotation system remains dry, and the inverted cylinder rods remain protected. This makes it easier and less costly to maintain the equipment.
- ▶ Water use is greatly reduced, which saves money and helps the environment.
- ▶ Water is projected at a high pressure over a distance of several meters, while following every movement of the tool (rotation, translation). This maximises and optimises the water’s reach.
- ▶ Thanks to the special rotating tool, the entire rotation can be used, with no restrictions caused by stress on the hoses.

**Arden Jet technology is available for:**

Range	Lifting capacity
Universal Shears	for excavators from 14 to 70 tons
Dedicated Shears	for excavators from 14 to 70 tons
Hydraulic Concrete Crushers	for excavators from 13 to 90 tons
Sorting and Demolition Grabs	for excavators from 18 to 90 tons
Lifting Grabs	for excavators from 27 to 78 tons
Hydraulic Breakers	for excavators from 12 to 100 tons









# ADDITIONAL EQUIPMENT

## **Cardans**

page 146

## **Plates**

page 147

## **Teeth**

page 147

## **Maintenance kits**

page 148



# Additional equipment



Pendular connectors: cardans and suspension nuts

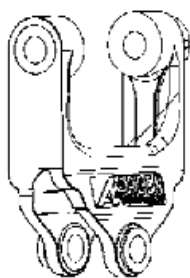
Bolted connectors: plates

Wear parts: teeth

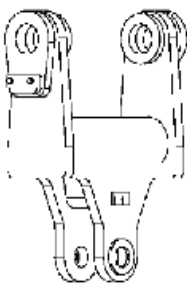
Maintenance kits

## PENDULAR CONNECTORS

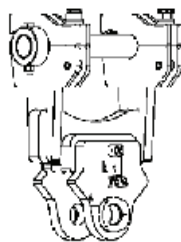
### Cardans (for grabs and clamshell grabs)



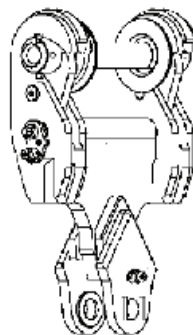
Standard cardan N078M



Standard cardan



Quick cardan



Automatic cardan

Lifting capacity		P/N	Version	Cardan capacity for the version	
<i>Mini excavator tons</i>	<i>Crane vehicle tons</i>	<i>P/N</i>	<i>standard, quick or automatic</i>	<i>Male</i>	<i>Female</i>
5-7	8-15	<b>N04A</b>	<b>standard</b>	<b>15</b>	<b>50</b>
8-13	16-24	<b>N06A</b>	<b>standard</b>	<b>25</b>	<b>80-100</b>
12-30		<b>N078M</b>	<b>standard</b>	<b>60-140</b>	<b>110-150</b>
			<b>quick</b>	<b>-</b>	<b>150-180</b>
			<b>automatic</b>	<b>-</b>	<b>180</b>
28-40		<b>N0797</b>	<b>standard</b>	<b>70-180</b>	<b>160-240</b>
			<b>quick</b>	<b>-</b>	<b>160-210</b>
			<b>automatic</b>	<b>-</b>	<b>300</b>
39-53		<b>N2618</b>	<b>standard</b>	<b>250-330</b>	<b>250-380</b>
			<b>quick pins ≤ Ø 80</b>	<b>-</b>	<b>210-250</b>
			<b>quick pins ≥ Ø 90</b>	<b>-</b>	<b>350-425</b>
	<b>automatic</b>		<b>-</b>	<b>525</b>	

## BOLTED CONNECTORS






### Plates

Lifting capacity	Plate capacity for the hitch version (kg)		
tons	For Quick Arden/QA	For CW hitch	Direct hitches and welded pins
1-2.5	<b>20</b>	<b>30</b>	11
2.6-6	<b>35</b>	<b>70</b>	35
7-11	<b>75</b>	<b>70</b>	65
12-15	<b>130</b>	<b>200</b>	140
16-19	<b>180</b>	<b>215</b>	190
20-26	<b>240</b>	<b>270</b>	230
27-37	<b>300</b>	<b>350</b>	325
38-53	<b>740</b>	<b>530</b>	420
54-70	-	-	600
70-100	-	-	contact us

Plates with a direct hitch on non-Arden Equipment tools are no longer manufactured.

## WEAR PARTS

### Arden Equipment teeth

class			UG GP STD 	US-UC HD IFELS 
p/n	lifting capacity	Authorised (SAE) digging force for the class		
R50	1 ton > 2.5 tons	$F \leq 2$ tons	P 101	-
R50D	2.6 > 3.5 tons	$F \leq 3$ tons	P 101	-
R100	2.6 tons > 6 tons	$F \leq 3.5$ tons	P 101 P 201	-
R200	7 tons > 10 tons *	$F \leq 6$ tons	P 201	P 301
R250	10 tons > 11 tons **	$F \leq 7.5$ tons	P 301	P 301
R300	12 tons > 15 tons	$F \leq 9.5$ tons	P 301	P 451
R400	16 tons > 19 tons	$F \leq 12.5$ tons	P 401	P 551
R500	20 tons > 26 tons	$F \leq 17.5$ tons	P 501	P 651
R550	27 tons > 30 tons	$F \leq 19$ tons	P 501	P 651
R600	27 tons > 37 tons	$F \leq 24$ tons	P 651	P 751
R700	38 tons > 53 tons	$F \leq 30$ tons	P 751	P 830

\* + backhoe loader

\*\* + midi excavator

Contact us for more information.



MAINTENANCE KIT

LEVEL 1

The kit contains wear parts, including:

- teeth
- blades
- consumables (lubrication, etc.)

MAINTENANCE KIT

LEVEL 2

The kit contains required joint and hydraulic parts, including:

- seal kit
- pins
- cylinder bushings
- bolts

MAINTENANCE KIT

LEVEL 3

This kit is for completely refurbishing the tool.

- cylinder
- motor
- rotating joint

LEVEL 4

SERVICE +

Arden Equipment lets you completely refurbish your equipment.

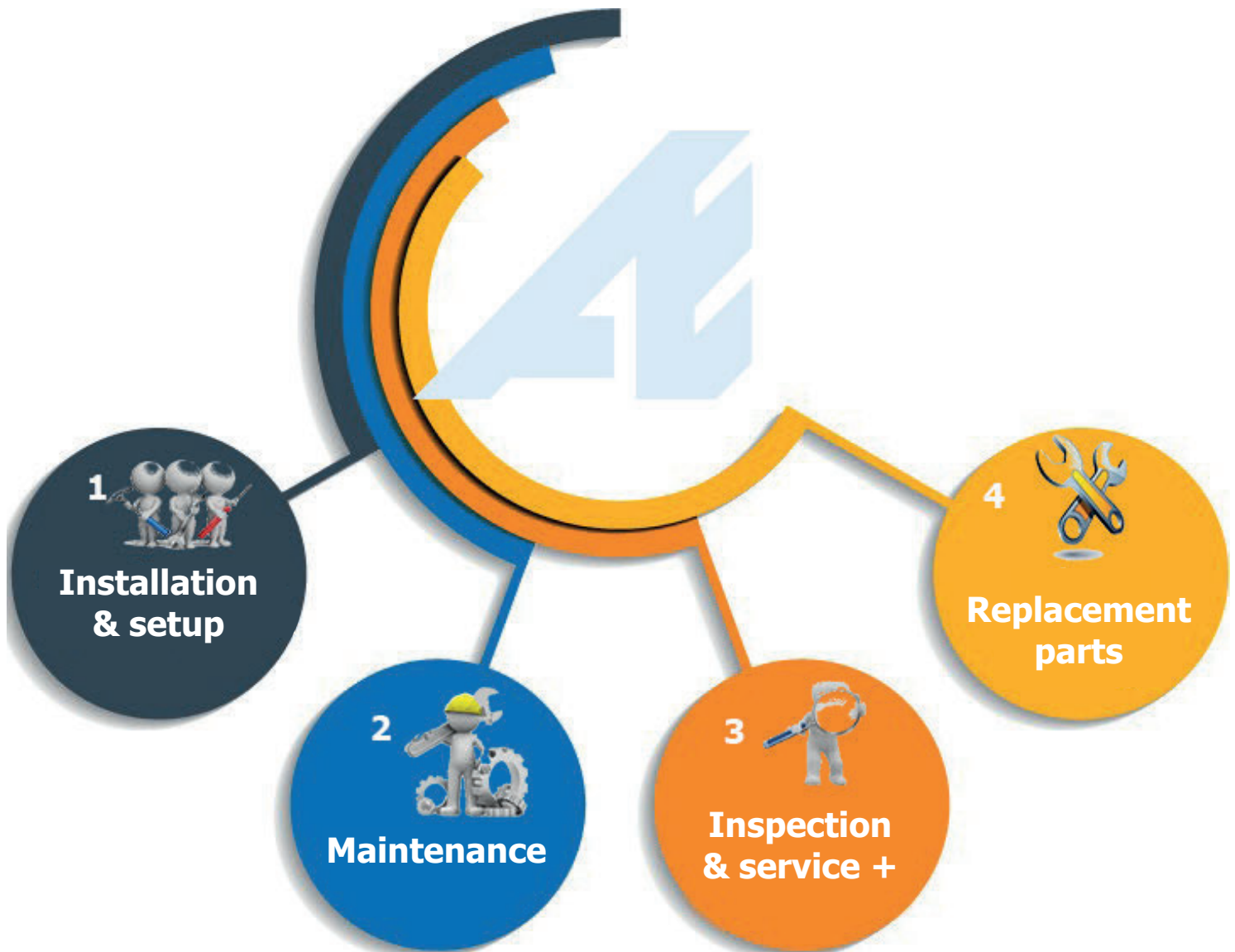
Contact us for a full diagnostic of your tool.





# After-sales service

Arden Equipment is committed to meeting the needs of our customers by providing a team of **qualified technicians** with **knowledge** and **expertise** in setting up and repairing tools.







**1** Our specialists perform the **installation and commissioning** of your equipment on site. Our support team will help you set up your equipment based on our recommendations and will offer tips on how to use it properly.

**2** Feel free to contact our experts at any time to check and maintain your equipment throughout their entire life. Put our experience to use to maximise the life of your equipment. All of our equipment is **guaranteed for 1 year or 1,500 hours**.

**3** If you experience a problem, a technician will establish a **diagnostic** for getting your tool back up and operating as quickly as possible.

To avoid costly repairs and maximise the life of your tools, it is essential to perform **rigorous, regular maintenance** of your equipment.

## Service +

Service+ gives your tools **a second lease of life**.

**Ask our experts for advice.**

**4** Our **Replacement Parts** department is at your disposal to meet your needs, from helping replace wear parts to ordering accessories for your equipment.

## Question? Need advice? Have a problem?

Our experts are here to help.

### After-sales service

**sav@arden-equipment.com**

**+33 (0)3 24 59 81 84**

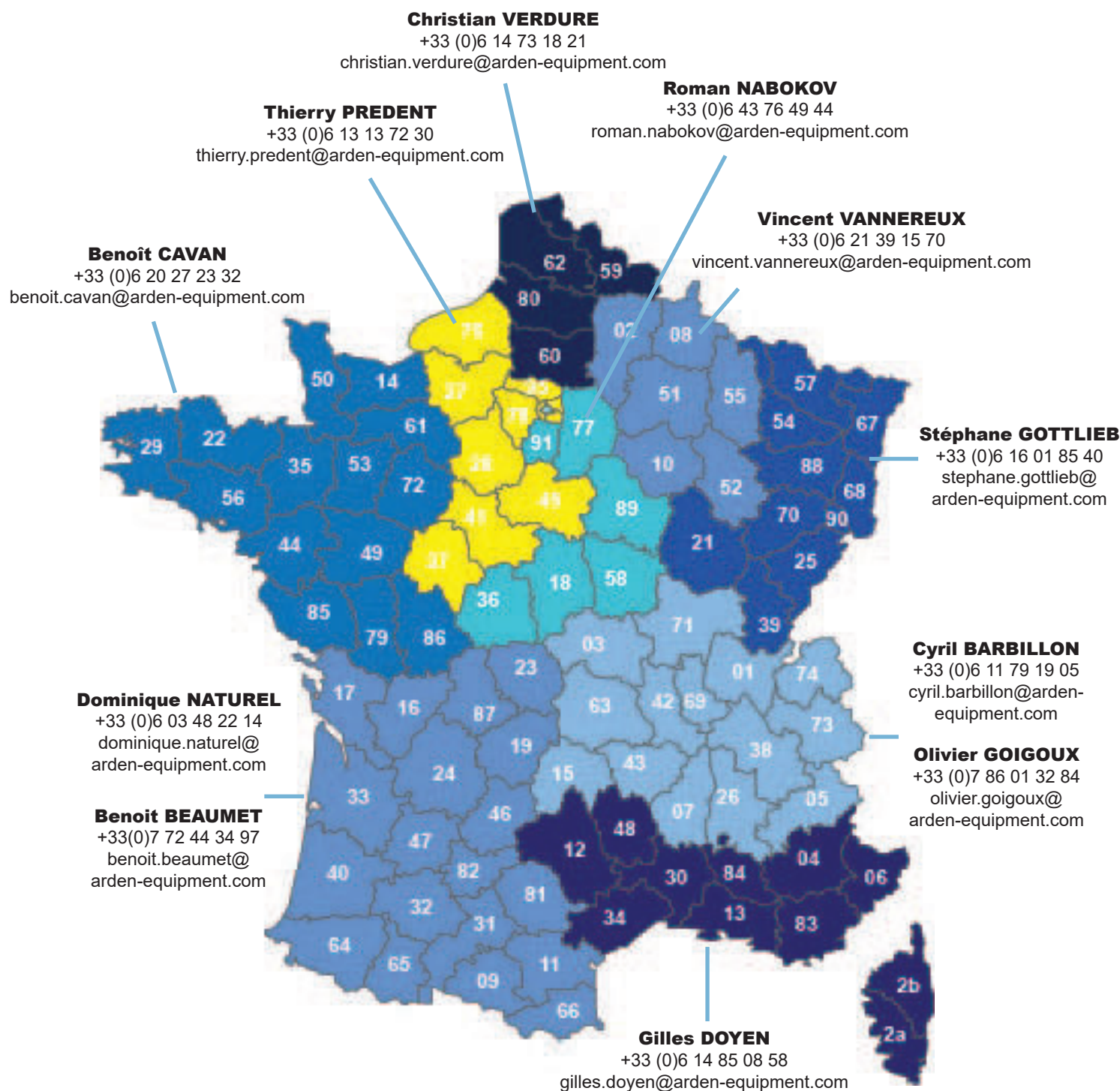


### Replacement Parts

**pr@arden-equipment.com**

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