

## FULLY AUTOMATIC QUICK HITCH

**Change hydraulic and mechanical attachments *in less than 10 seconds* without leaving the cab!**

### HOW IT WORKS

The AIO, **All In One** is an automatic quick coupler system for excavators from 12 to 30 tonnes that automatically connects all your hydraulic and mechanical attachments from the cab. This system allows you to safely switch quickly between different tools.



AIO350

12-19 t  
160 kg

AIO550

20-30 t  
310 kg

### CHOOSE VERSATILITY

The AIO is compact, robust and has been designed with very high pressure and very high flow connectors that makes it compatible with the most powerful equipment on the market. This competitive feature makes the AIO perfectly suitable to the most demanding applications on your sites such as demolition, construction and recycling.



**Better flows**  
= Less stress = Sustainability

Demolition



Recycling



Earthmoving



Civil engineering



**ARDEN**  
EQUIPMENT

# WHY CHOOSE THE AIO ?

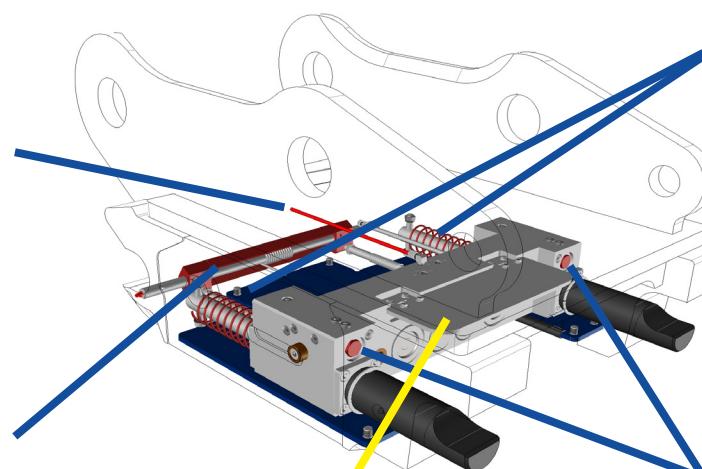
## Quadruple safety

**Visual indication of the attachment lock**  
Shows to the operator that the attachment is properly locked

## Front axle safety pallet

It guarantees the correct positioning of the equipment and prevents it from unhooking

**Le + AE**



### Powerful exterior springs

Keep the hitch locked in case of hydraulic failure

**Le + AE**

### Pilot operated check valves

Prevent the hydraulic cylinder from opening in case of failure on the excavator

### Folding protection plate

The position of the hydraulic and electrical connections on the hitch protect them from harsh conditions and dust. When using a non hydraulic attachment, the protection plate folds automatically.

## Meet ISO standards

Arden Equipment aims to reach a total safety solution !

The quadruple safety of the **AIO** exceeds the recommended standards and meets with **ISO 13031:2016** and **SUVA**.

## Environment

**The AIO is eco-friendly !**

Thanks to its **integrated clearance take-up** the **AIO** is waterproof and limits the oil leak in nature.

## Profitability

### Significantly increase your productivity!

It takes less than 10 seconds to change your hydraulic attachment. We estimate that with the AIO is cost-effective from 2 or 3 hydraulic attachment changes per day (estimated gain of 20 to 30 minutes).

## Sustainability

**Design robust and clearance take-up on the adapter side !**

The AIO is designed with high elasticity steel (HLE). The clearance take-up on the adapter side protects the system to make it last longer.

**Less clearance**  
= Less stress  
= Sustainability



**Safety**



**Ecology**



**Comfort**



**Savings**



**Speed**



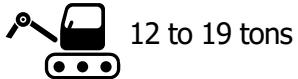
**Sustainability**

# FULLY AUTOMATIC QUICK HITCH

## AI0350

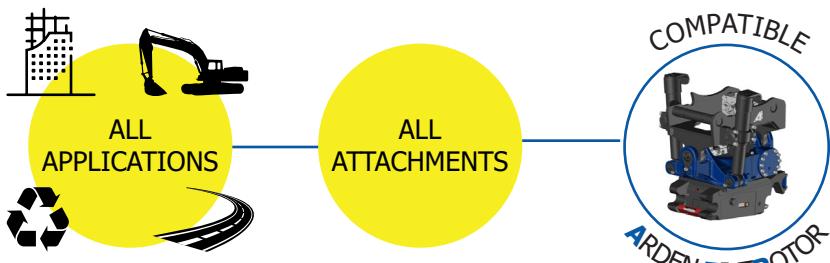


The fully automatic quick hitch the **AIO, All In One**, enables the operator to change the attachments **swiftly and safely without leaving the cab in just a few seconds.**



### VERSATILITY

The **AIO350** connect couplings **oil flow pressure is very high which ranks it among the best hydraulic flows on the market.** They allow it to equip all tools, even the most oil-intensive (demolition, recycling).



### SAFETY

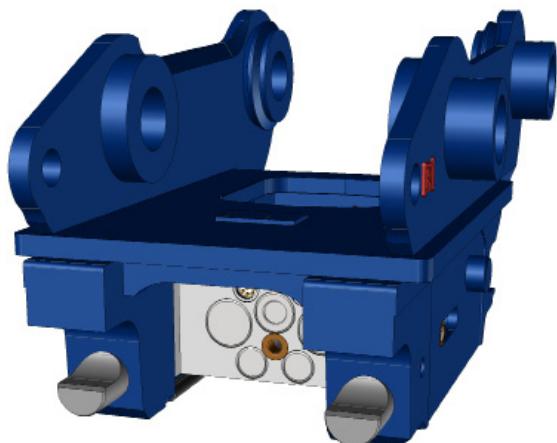
The operator does not need other human interventions on sites and therefore **reduces the risks of accidents.**

### ECOLOGY

The integrated clearance take-up makes the system waterproof to **avoid oil leak in the environment and makes it eco-friendly!**

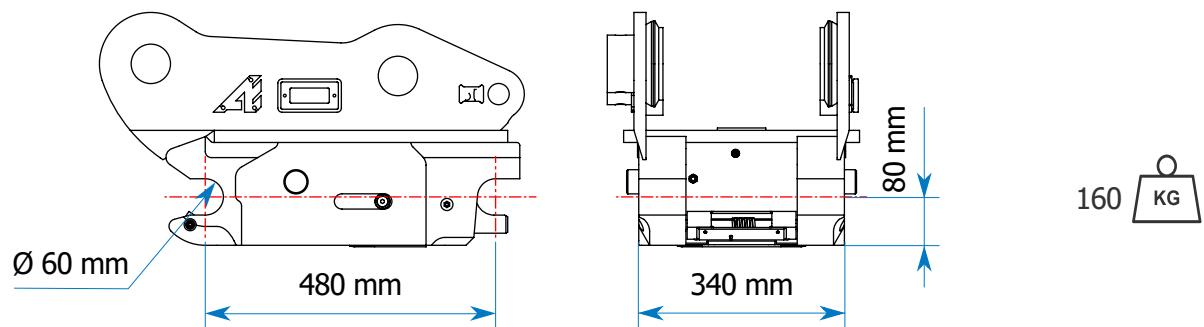
### ADVANTAGES :

- Safer working environment
- Save time on working sites
- Less oil and fuel consumption
- Less machine transportation



## AIO350 FULLY AUTOMATIC QUICK HITCH

### 1. QUICK HITCH



**Exclusive! Quadruple safety system**, meets with NF EN 474-1 and ISO 13031:2016 standards

- Visual indication of the attachment lock
- Front axle safety pallet
- Powerful exterior springs
- Pilot operated check valves

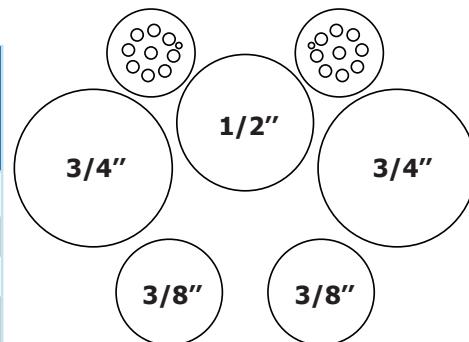
Prevents risk of tool unhooking

### 2. PREMIUM QUALITY AUTOMATIC CONNECT COUPLINGS

Modular solution up to 5 hydraulic connections

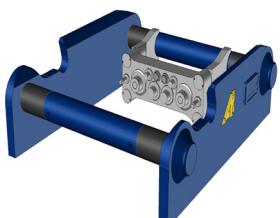
High Flow pressure connect couplings (up to 420 bars)			
Coupling	Oil flow pressure drop 0,3 Mpa	Oil flow pressure drop 0,5 Mpa	Maximum continuous operating pressure (MPa)
	l/min	l/min	MPa
3/8"	40	60	42
1/2"	93	120	42
3/4"	169	200	40

Electrical connectors up to 18 signals (option)

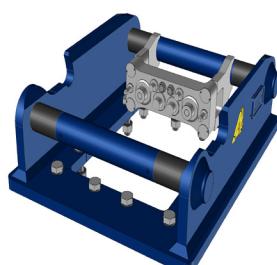


### ADD ONS

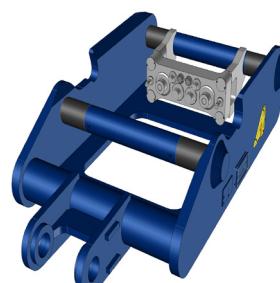
Perfectly compatible AIO tool plates : adaptation made according to the excavator



Welded adapter



Bolted adapter



Grapple adapter

# FULLY AUTOMATIC QUICK HITCH

## AI0550



The fully automatic quick hitch the **AIO, All In One**, enables the operator to change the attachments **swiftly and safely without leaving the cab in just a few seconds.**



Oil



Elec



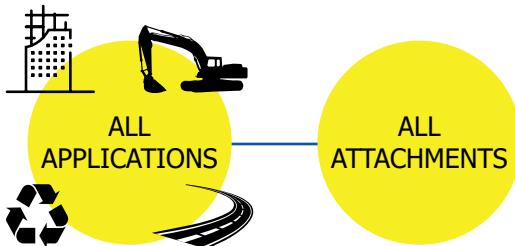
Arden'Jet (Water)



Grease

### VERSATILITY

The **AIO350** connect couplings **oil flow pressure is very high which ranks it among the the best hydraulic flows on the market.** They allow it to equip all tools, even the most oil-intensive (demolition, recycling).



### SAFETY

The operator does not need other human interventions on sites and therefore **reduces the risks of accidents.**

### ECOLOGY

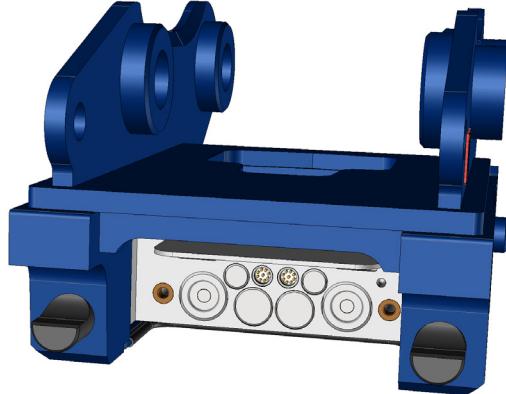
The integrated clearance take-up makes the system waterproof to **avoid oil leak in the environment and makes it eco-friendly!**



20 to 30 tons

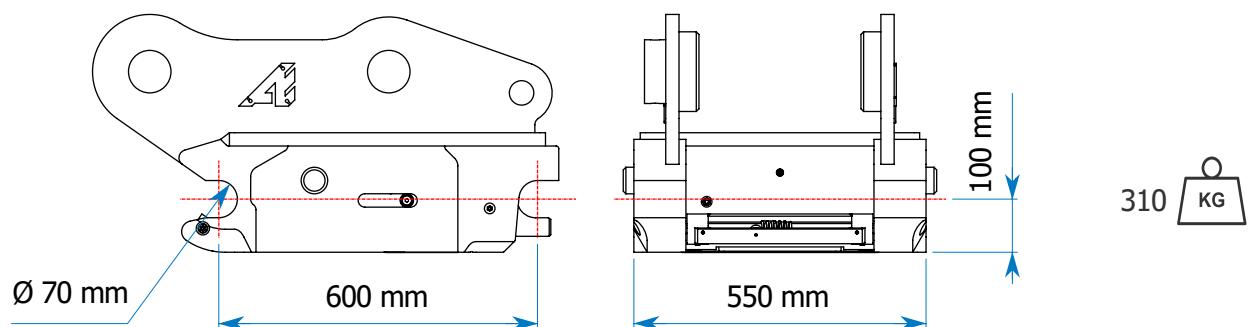
### ADVANTAGES :

- Safer working environment
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- Less oil and fuel consumption
- Less machine transportation



## AIO550 FULLY AUTOMATIC QUICK HITCH

### 1. QUICK HITCH



**Exclusive! Quadruple safety system**, meets with NF EN 474-1 and ISO 13031:2016 standards

- Visual indication of the attachment lock
- Front axle safety pallet
- Powerful exterior springs
- Pilot operated check valves

**Prevents risk of tool unhooking**

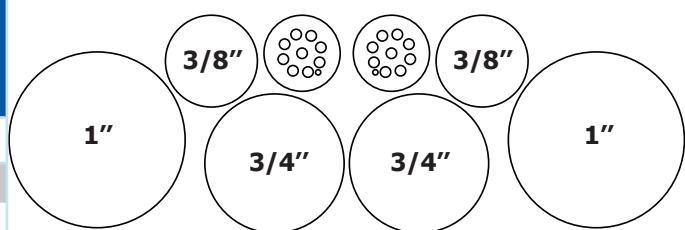


### 2. PREMIUM QUALITY AUTOMATIC CONNECT COUPLINGS

**Modular solution up to 5 hydraulic connections**

**High Flow pressure connect couplings**  
(up to 420 bars)

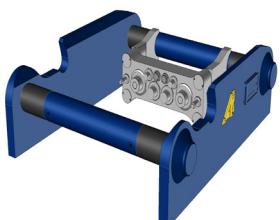
Couplings	Oil flow pressure drop 0,3 Mpa	Oil flow pressure drop 0,5 Mpa	Maximum continuous operating pressure (MPa)
	l/min	l/min	MPa
<b>3/8"</b>	40	60	42
<b>3/4"</b>	169	200	40
<b>1"</b>	291	380	40



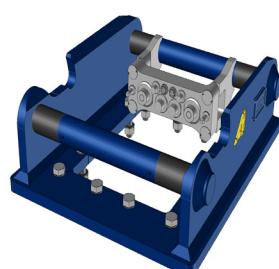
**Electrical connectors up to 18 signals (option)**

**ADD ONS**

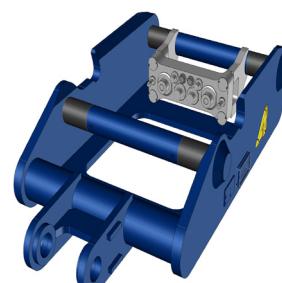
**Perfectly compatible AIO tool plates** : adaptation made according to the excavator



**Welded adapter**



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**Grapple adapter**