PRODUCT CATALOG

ADAR

Solutions for
mechanical bricklaying

Bricklaying without unnecessary effort

CRANES FOR BRICKLAYING ADAR

- Less workload for employees
- Shorter bricklaying time
- Suitable for all masonry materials in Poland

Production · Sales · Rental
cranes and grippers for bricklaying

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ABOUT US

We are a manufacturer of cranes and grippers for mechanical bricklaying.

We offer solutions that really speed up the work of masonry crews.

Mechanical bricklaying is our speciality
Our cranes are efficient assistants for bricklayers - they take over the heavy and repetitive part of the work, reducing the workload for the team and speeding up the bricklaying work.

Our cranes enable bricklaying with both large-size elements, e.g. Silka Tempo, and standard masonry elements.

The offer is additionally complemented by a wide range of masonry grabs, suitable for practically all masonry systems available on the Polish market.

Experienced manufacturer
We design and manufacture our own solutions

Sales and rental
We offer flexible forms of cooperation

Transport to the client
We offer transport to the address specified by the client

Compliance with health and safety regulations
Our cranes meet all health and safety standards required on construction sites in Poland

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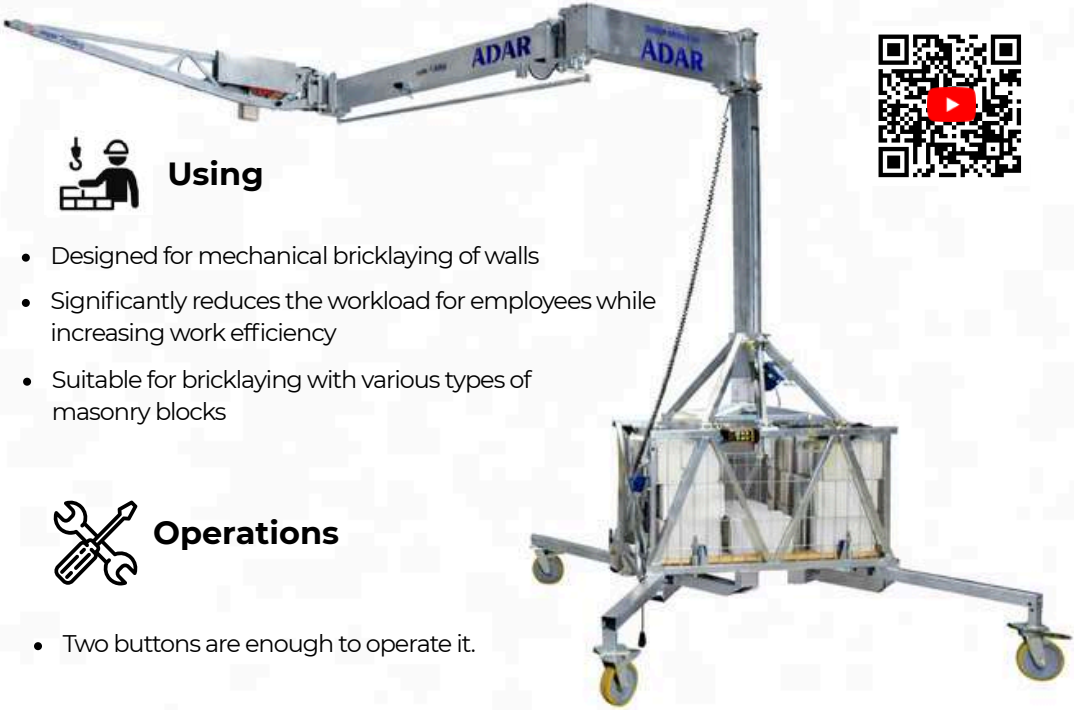
Comprehensive customer service

- **Sale** and short- and long-term **rental**
- **Machines** available in stock
- **Financing options** (leasing)
- **Manufacturer** technical support

ADAR MASONRY CRANE
INSERTABLE BALLAST



Using

- Designed for mechanical bricklaying of walls
- Significantly reduces the workload for employees while increasing work efficiency
- Suitable for bricklaying with various types of masonry blocks

Operations

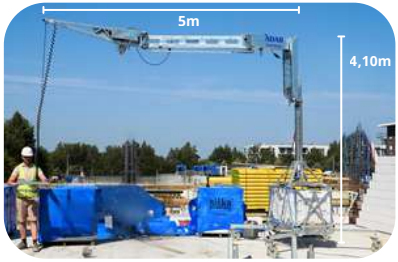
- Two buttons are enough to operate it.

Transport and logistics

- For transport, it can be disassembled into modules and transported, e.g., by delivery truck.

Construction

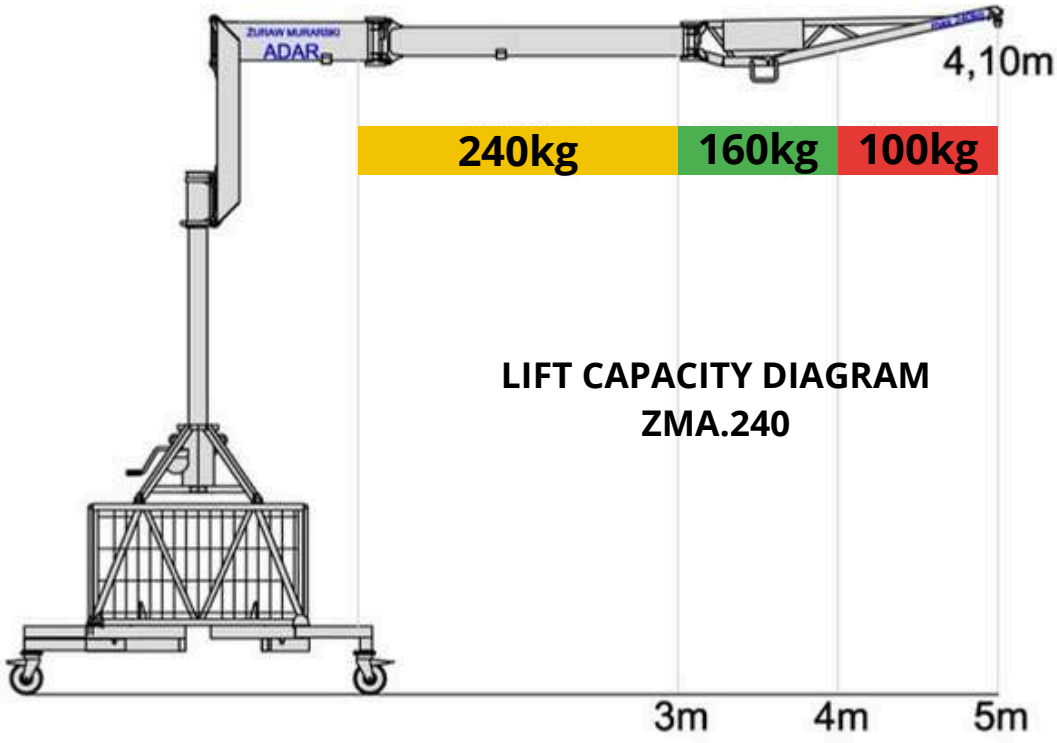
- The ballast (counterweight) of the machine consists of masonry blocks, which significantly reduces transport costs.
- Ability to pass through a doorway
- Also suitable for ceiling bricklaying



ADAR MASONRY CRANE INSERTABLE BALLAST - TECHNICAL PARAMETERS

	ZMA.100	ZMA.160	ZMA.240
Lifting capacity	100kg	160kg	240kg
Maximum reach	4,00m*	3,00m	3-5m*
Lifting height	3,1m	3,1m	3,1m
Lifting height with extension	4,1m	4,1m	4,1m
Lifting speed	3-12m/min	3-8m/min	3-12m/min
Lowering speed	3-12m/min	3-8m/min	3-12m/min
Operating voltage	230V-16A	230V-16A	230V-16A
Ballast weight	**450kg**	**450kg**	**550kg**
Transport weight of the machine (without ballast)	350kg**	350kg**	350kg**
Dimensions when folded (LxWxH)	195cmx85cmx207cm		
Support spacing during operation	220cmx220cm		

*With arm extension
**Column extension



MASONRY CRANE ADAR INSERTABLE BALLAST
- THE CRANE CONSISTS OF THE FOLLOWING FOLDABLE PARTS

BALLAST BASKET

SUPPORTS

HOUSING COLUMN

COLUMN

MACHINE ARM PART 1 FOR 3M REACH

EXTENDED MACHINE ARM PART 1 FOR A REACH OF 4M AND A LIFTING CAPACITY OF 160KG *

MACHINE ARM PART 2

ARM EXTENSION UP TO 5M REACH AND 100KG LIFTING CAPACITY *

STABILIZING BAR

COLUMN EXTENSION *

LEVER

*ADDITIONAL EQUIPMENT

The smart modular design allows for convenient and economical transport of all crane parts.

Option to buy or rent

ADAR MASONRY CRANE
PERMANENT BALLAST

	ZMA.100	ZMA.160	ZMA.240
Lifting capacity	100kg	160kg	240kg
Maximum reach	4,00m*	3,00m	3-5m*
Lifting height	3,1m	3,1m	3,1m
Lifting height with extension	4,1m	4,1m	4,1m
Lifting speed	3-12m/min	3-8m/min	3-12m/min
Lowering speed	3-12m/min	3-8m/min	3-12m/min
Operating voltage	230V-16A	230V-16A	230V-16A
Transport weight of the machine	1650kg**	1650kg**	1650kg**
Dimensions when folded (LxWxH)	195cmx85cmx207cm		
Support spacing during operation	130cmx130cm		

*With arm extension
**Column extension

Construction

- The machine's ballast (counterweight) is made of concrete - no need to ballast the machine manually
- Transporting the machine around the construction site with an electric pallet truck
- The small spacing between supports allows bricklaying even in narrow corridors.

MASONRY CRANE ADAR
WITH WATER BALLAST

	ZMA.100	ZMA.160	ZMA.240
Lifting capacity	100kg	160kg	240kg
Maximum reach	4,00m*	3,00m	3-5m*
Lifting height	3,1m	3,1m	3,1m
Lifting height with extension	4,1m	4,1m	4,1m
Lifting speed	3-12m/min	3-8m/min	3-12m/min
Lowering speed	3-12m/min	3-8m/min	3-12m/min
Operating voltage	230V-16A	230V-16A	230V-16A
Ballast weight	**600kg**	**600kg**	**600kg**
Water tank capacity	**600l**	**600l**	**600l**
Machine transport weight (without ballast)	300kg**	300kg**	330kg**
Dimensions when folded (LxWxH)	195cmx85cmx207cm		
Support spacing during operation	203cmx203cm		

*With arm extension
**Column extension

Construction

- Ballasting the machine using built-in water tanks
- Easy folding of supports

MINI CRANE FOR BRICKLAYING UNDER THE CEILING MC03/MC03.350

Usage

- **Ideal for mechanical ceiling bricklaying**
- Equipped with grippers enabling the installation of elements up to 15 cm below the ceiling
- It allows for reducing the workload of employees while doubling work efficiency.

Operations

- Mechanical movement of the machine on the construction site - thanks to the built-in battery-powered drive
- Can be used by one person

Option to buy or rent

MINI CRANE FOR BRICKLAYING
MC03/MC03.350 - TECHNICAL SPECIFICATIONS

	MC03	MC03.350
Lifting capacity	**250kg**	**350kg**
Maximum reach	3,35m	3,35m
Rotation angle	345	345
Lifting height	4,25m	4,25m
Total weight	950kg	1030kg
Lifting speed	0-0,25m/s	0-0,25m/s
Lowering speed	0-0,20m/s	0-0,20m/s
Hydraulic power unit capacity	2,2kW	2,2kW
Power consumption	2,4kW	2,4kW
Operating voltage	230V-16A	230V-16A
Turning radius	1,5m	1,5m
Max. wheel pressure	5kN	5kN
Max. support pressure	10kN	10kN
Drive motor power	750W	750W
Travel speed	3-4,5km/h	3-4,5km/h
Transport dimensions (L/W/H)	185cm/80cm/196cm	
Support spacing	240cm/250cm	

The set includes two CHP ceiling grippers (shown below)

BRICKLAYING GRIPPERS

We offer a wide range of grabs for our cranes for various masonry and construction materials.

We also design grippers for individual client orders.

Designed to suit specific materials, formats, and bricklaying technologies

HM01 MASONRY GRIPPER - FOR “SILKA E”

- The HM01 masonry grab allows you to grab an entire row of “Silka E” silicate blocks from “Xella” from a pallet at once using the system holes in the blocks.
- It is also possible to grab 2 blocks at the same time, which is particularly important, for example, when building wall corners.
- The HM01 masonry grab, in combination with the ADAR masonry crane, allows elements to be installed up to 22 cm below the ceiling above.

Lifting capacity	90kg
Jaw opening range	45,0-47,5cm
Net weight	5,5kg
Dimensions (L/W/H)	57cm/17cm/15cm

HM03 MASONRY GRIPPER - FOR “SIL PRO”

- The HM03 masonry gripper allows you to grab four “Sil pro” blocks from a pallet at once using the system holes in the blocks.
- The HM03 masonry gripper, in combination with the ADAR masonry crane, allows you to install elements up to 24 cm below the ceiling above.

Lifting capacity	90kg
Jaw opening range	69,5-71,8cm
Net weight	8kg
Dimensions (L/W/H)	81cm/18cm/15cm

HM05 MASONRY GRIPPER - FOR “POROTHERM 25/37.5 AKU”

- The HM05 masonry grab allows you to grab three “Porotherm 25/37.5 AKU” blocks from a pallet at once by clamping the gripping jaws.

Lifting capacity	90kg
Jaw opening range	107-105cm
Net weight	10kg
Dimensions (L/W/H)	111cm/15cm/26cm

HM06 MASONRY GRIPPER - FOR AERATED CONCRETE BLOCKS

- The HM06 masonry grab allows two aerated concrete blocks to be picked up from a pallet at the same time.
- The grab allows the blocks to be picked up in a horizontal position and then automatically rotated into the installation position.

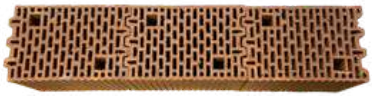
Lifting capacity	60kg
Jaw opening range	115-121cm
Net weight	6kg
Dimensions (L/W/H)	125cm/7cm/50cm

HM07 MASONRY GRIPPER - FOR “POROTHERM” BLOCKS

- The HM07 masonry grab is designed for handling masonry elements (two or three Porotherm bricks) with a weight not exceeding the maximum load capacity of 60 kg.
- When the passive jaw is set appropriately, the grab can only be used for the following systems:

Setting 1	Setting 2	Setting 3
Jaw spacing: 93-95cm	Jaw spacing: 92-94cm	Jaw spacing: 80-82cm
3 blocks	3 blocks	2 blocks
Porotherm 25 Profi Porotherm 25 P+W	Porotherm 25 E3	Porotherm 25 E3 500 Porotherm 25 E3 500 Profi

Lifting capacity	60kg
Jaw opening range	93-95cm lub 92-94cm lub 80-82cm
Net weight	12kg
Dimensions (L/W/H)	106cm/11cm/25cm



HM08.18 OR HM08.24 MASONRY GRIPPER - FOR “SILKA E18A OR E24A ACOUSTIC”

- The HM08 masonry grab allows you to grab three Xella silicate blocks at once, with a width of 180 mm or 240 mm and a length of 333 mm.
- The HM08 masonry grab, in combination with the ADAR masonry crane, allows for the installation of elements up to 30 cm below the ceiling above.

Lifting capacity	90kg
Jaw opening range	178-182mm 238-242mm
Net weight	10kg
Dimensions (L/W/H)	84cm/24cm/17cm

HM09.18 OR HM09.24 MASONRY GRIPPER - FOR “SIL PRO AKU”

- The HM09 masonry grab allows you to simultaneously grab four Sil pro silicate blocks 180 mm wide and 250 mm long.
- The HM09 masonry grab, in combination with the ADAR masonry crane, allows you to install elements up to 30 cm below the ceiling above.

Lifting capacity	90kg
Jaw opening range	178-182mm lub 238-242mm
Net weight	10kg
Dimensions (L/W/H)	92cm/24cm/17cm

HM10 MASONRY GRIPPER - FOR CONCRETE BLOCKS AND EXPANDED CLAY BRICKS

The HM10 masonry grab allows you to grab 2 or 3 concrete blocks at the same time, with a width of 240-250 mm and a length of 375-385 mm, and a total weight not exceeding 100 kg.

Lifting capacity	100kg
Jaw opening range	Depending on the jaw setting: 240-244mm lub 243-247mm 246-250mm
Weight	10kg
Dimensions (L/W/H)	96cm/30cm/18cm

HM12 MASONRY GRIPPER - FOR “TEKNOAMERBLOK”

The HM12 masonry grab allow you to pick up two or three TeknoAmerBlok blocks with a width of 17.5 cm or 24 cm by clamping the gripping jaws.

Lifting capacity	100kg
Jaw opening range	39-47cm
Weight	7kg
Dimensions (L/W/H)	48cm/22cm/20cm

HM15.18 OR HM15.24 BRICK GRIPPER- FOR “CERAMIKA PODKARPACKA”

The HM15 masonry grab allows you to grab three 18 cm or 24 cm wide “Ceramika Podkarpacka” blocks by clamping the gripping jaws.

Lifting capacity	80kg
Jaw opening range	36-36,5cm
Weight	5kg
Dimensions (L/W/H)	60cm/33cm/9cm

HM18 MASONRY GRIPPER - FOR “SILIKATY BARLINEK”

The HM18 masonry grab allows you to grab three or four 24 cm wide “Silikaty Barlinek” blocks “SB 24/24”.

Lifting capacity	100kg
Jaw opening range	56-60cm
Weight	8kg
Dimensions (L/W/H)	66cm/25cm/14cm

HM19 MASONRY GRIPPER - FOR MASONRY ELEMENTS

- The HM19 masonry grab allows you to grab a single block, beam or other masonry element with a width between 16-24 cm.
- It can be used as a hand tool or attached to a lifting device, e.g., the Masonry crane ADAR.

Lifting capacity	100kg
Jaw opening range	18-24cm
Weight	3kg
Dimensions (L/W/H)	32cm/4cm/25cm

HM21 MASONRY GRIPPER - FOR "SILKA TEMPO"

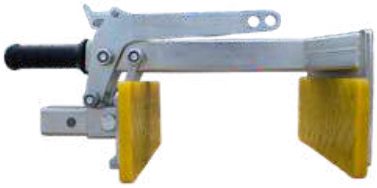
- The HM21 masonry grab allows one or two "Silka Tempo" blocks from "Xella" to be gripped by clamping the gripping jaws.

Lifting capacity	300kg
Jaw spacing range in pin axes	7,5-8,5cm lub 21-22cm
Net weight	10kg
Dimensions (L/W/H)	28cm/16cm/37cm

SG SURFACE GRIPPER

THE MOST IMPORTANT ADVANTAGES

- Adjustable gripping width
- Only 2 cm of distance from the element being installed is required (particularly useful, for example, with curtain walls and multi-layer walls).
- Safe lifting of heavy and delicate materials



MATERIAL PROTECTION

Special gripping cladding protects the surfaces of gripped elements from marks left by lifting

ADJUSTMENT

The width of the gripper is adjusted individually to the client's needs and the type of material.

UNDER-CEILING GRIPPER

- The CHP ceiling gripper allows for the installation of large elements up to 15 cm below the ceiling.
- It is ideal for installing Silka Tempo blocks, as well as others that require a low height above them.

Name	Width of the gripped element	Lifting capacity
CHP11,5	11,5cm	150kg
CHP15	15cm	200kg
CHP17,5	17,5cm	250kg
CHP18	18cm	120kg
CHP18.260	18cm	260kg
CHP20	20cm	150kg
CHP20.280	20cm	280kg
CHP24	24cm	150kg
CHP24.350	24cm	350kg
CHP25	25cm	150kg

WE CAN MAKE A SIMILAR GRIPPER FOR ANY BLOCKS

STAIRS FOR MASONRY

- Bricklaying stairs allow you to safely build higher walls.
- The stairs have 4 steps and are made of aluminum.
- Step dimensions: 1.19 x 0.21 m (last step: 1.19 x 0.42 m).
- Additionally, the stairs have
- 2 wheels mounted at the legs for better mobility.

CLAMP FOR "YTONG PANEL"

- The Ytong Panel clamp is a hand-held device that makes it easier to install Ytong Panel panels.

TROLLEY FOR "YTONG PANEL"

- A lightweight trolley for transporting and lifting single Ytong Panel slabs. It can also be used as a work surface for cutting elements. The simple design of the trolley ensures easy use and reliability.

TROLLEY FOR TRANSPORTING PALLETS WITH PANELS "SWE" / "YTONG PANEL"

- Trolley for transporting pallets of "SWE" or "Ytong Panel" systems.
- The trolley allows pallets with panels to be transported along their longer side, which greatly facilitates maneuvering pallets on the construction site, enabling, among other things, passage through doorways.
- Load capacity 400 kg
- Dimensions (L x W x H) - 86 x 50 x 90 cm

PALLET LIFT WITH "SWE" / "YTONG PANEL" PLATES

- The lift is used to raise a single end of a pallet with panels by a few centimeters, which allows the use of a trolley to transport pallets with "SWE" / "Ytong Panel" panels.
- Load capacity 400 kg
- Transport dimensions - 80 x 75 x 14 cm

SUPPORT FOR INSTALLING "SWE" PANELS

- The support is used to align and secure the SWE system panels against tipping over.
- Length: 2 m

We focus on
mechanisation of bricklaying

MINICRANES
ADAR

We are a manufacturer of mechanical bricklaying systems.

HERE WE ARE

3 km from the Łowicz turnoff on the A2 motorway

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