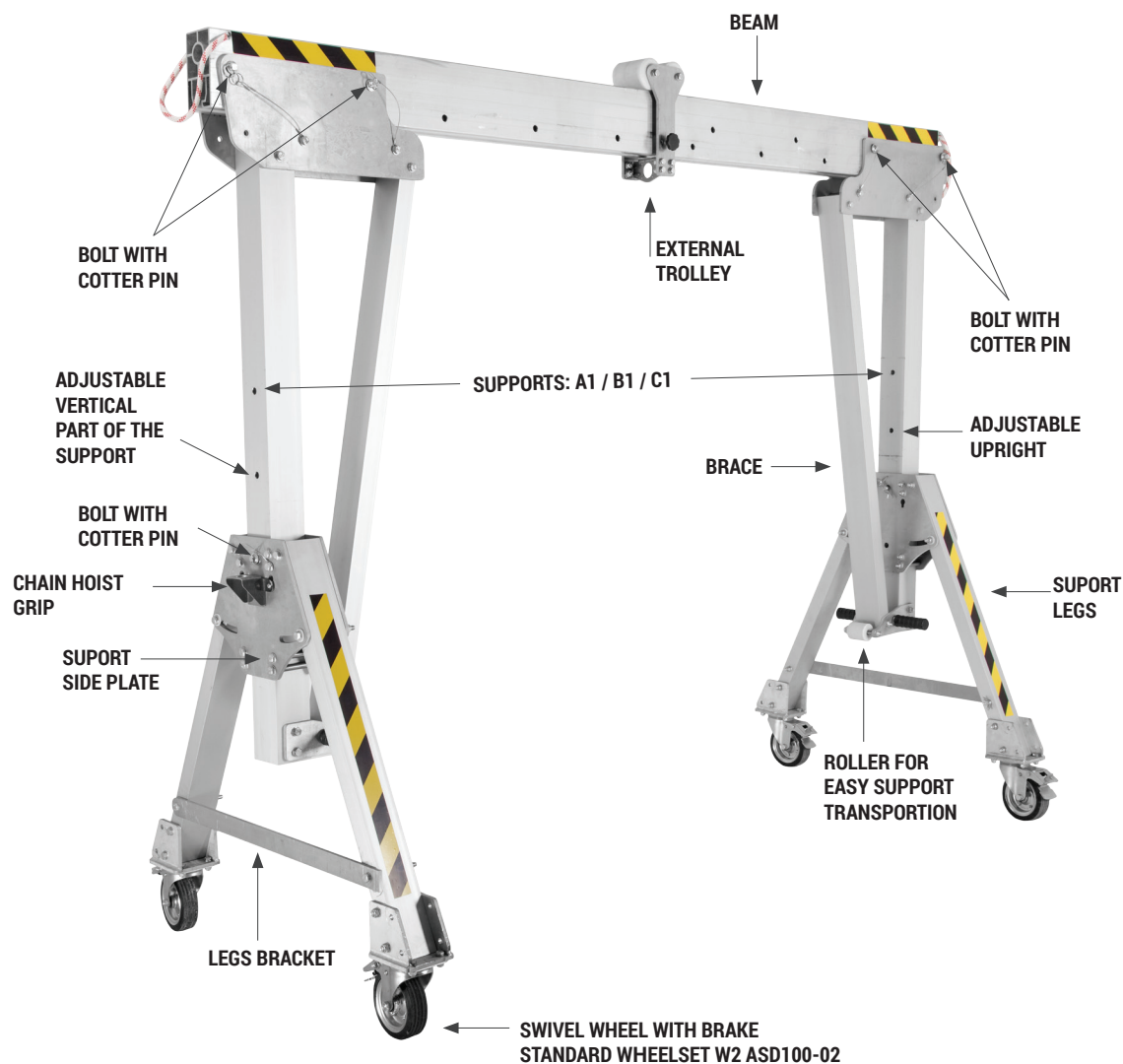


→ ASB ALUMINIUM GANTRY CRANE



DESCRIPTION

Aluminium gantry crane (ASB series) is a complete, lightweight, fully customizable, portable device designed for lifting loads up to the related Working Load Limit (WLL). WLL is always indicated on the beam.

Device can be used in variety of lifting applications such as, drainage wells, reservoirs, wells, silos, rooftop, lift-shaft, waste water and many more. ASB can be used with chain hoists, RUP50x-T series devices for lifting loads.

For lifting loads external trolley must be used.

ASB device can be used for personal protection purposes as component of personal protective equipment against fall from height.

For personal protection internal trolley must be used.

Beam length: from 2 to 7 meters

Support height: three basic types - A1 / B1 / C1

Working Load Limit (WLL): from 1500 kg up to 3500 kg (depends on configuration - please see Technical Data Table).

Safety factor for lifting loads: 2,1:1.

Safety factor for personal rescue: 10:1.

Protection for maximum five people at the same time.

BENEFITS:

- Modular design, flexibility.
- Fast assembly using bolt with cotter pin. No need additional tools.
- RUP50x-T lifting devices can be used for loads lifting operations.
- RUP50x rescue lifting devices can be used for rescue purposes.



ASB ALUMINIUM GANTRY CRANE

BASIC EQUIPMENT

BEAM

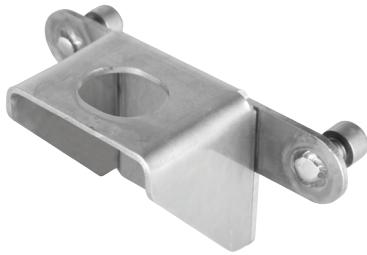
ref. ASBxxx-001 (where ,xxx' - beam length in cm] Made of aluminium alloy with inside rail (for internal trolley). Can be used with external and internal trolleys. Available beam length: 2 / 3 / 4 / 5 / 6 / 7 m.
Beam length and weight - Technical Data Table.



CHAIN HOIST GRIP

ref. ASB500-140

Made of stainless steel. Provides safety rising and lowering the adjustable vertical part of the support during device installation on the working site. Chain hoist grip is installed, on support side plates holes.



SUPPORT

A1 - ref. ASB500-450

B1 - ref. ASB500-100

C1 - ref. ASB500-500

Made of aluminium alloy. Various height options. 200mm height adjustment. Foldable construction. Two the same supports are needed for one beam. Equipped with three bolts with cotter pin (described in Optional Equipment). Available support types: A1 / B1 / C1. Support height and weight - Technical Data Table and Basic support types section.



A1



B1



C1

HITCH FOR RAISING THE SUPPORT

ref. ASB500-360

Made of aluminium alloy / galvanized steel. Used during raising and lowering the device support. Chain hoist is attached to the hitch ear. **MUST BE USED** with B1 / C1 support.



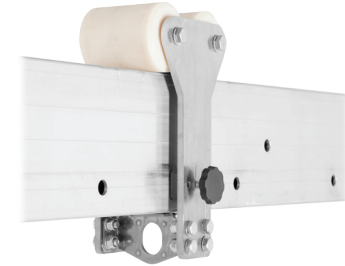
EXTERNAL TROLLEY

ref. ASB500-200

Made of aluminium alloy, stainless steel and polyamide parts.

Position locking using knob.

External trolley can be used for lifting loads only.



WHEELS

Support can be equipped with three types of swivel wheels with brake:

- W1, ref. ASB100-010 - Ø 125 mm solid tyres for cleanroom,
- W2, ref. ASB100-020 - Ø 160 mm solid tyres for general use (**standard**),
- W3*, ref. ASB100-030 - Ø 175 mm pneumatic tyre for all-terrain.



W1



W2



W3

*Pneumatic wheels are not rated for lifting and they must always be used with Wheel Support (described in Optional Equipment).

→ ASB ALUMINIUM GANTRY CRANE

VERSIONS OF THE DEVICE

LARGE



MEDIUM



SMALL



WLL: 1500 - 3500 KG

→ ASB ALUMINIUM GANTRY CRANE

TECHNICAL DATA TABLE

"A" Total beam length [mm]	"C" Working span [mm]	"C1" Bottom span [mm]	Beam weight [kg]	A1 SUPPORT (one side): 38,2 kg WIL [kg]	B1 SUPPORT (one side): 50,2 kg WIL [kg]	C1 SUPPORT (one side): 72,8 kg WIL [kg]
2000	770	1496	26,7	3500	3000	3000
3000	1770	2496	40,1	3500	3000	3000
4000	2770	3496	53,4	3000	3000	3000
5000	3770	4496	66,5	2500	2500	2500
6000	4770	5496	80,1	2000	2000	2000
7000	5770	6496	93,5	1500	1500	1500
Support weight [kg]				38,2	50,2	71,8
"B" - Support height (min... max) [mm]				1594...2194	2207...3607	3230...5430
"B1" - Under roller height (min... max) [mm]				34...634	141...1541	164...2364
"D" - Legs spacing [mm]				1115	1928	2834
"E" - Support height increment [mm]				200		

ASB REFERENCE

ASBXXX-YY-ZZ
WHERE:

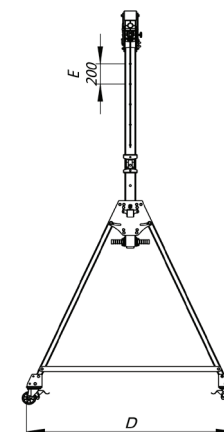
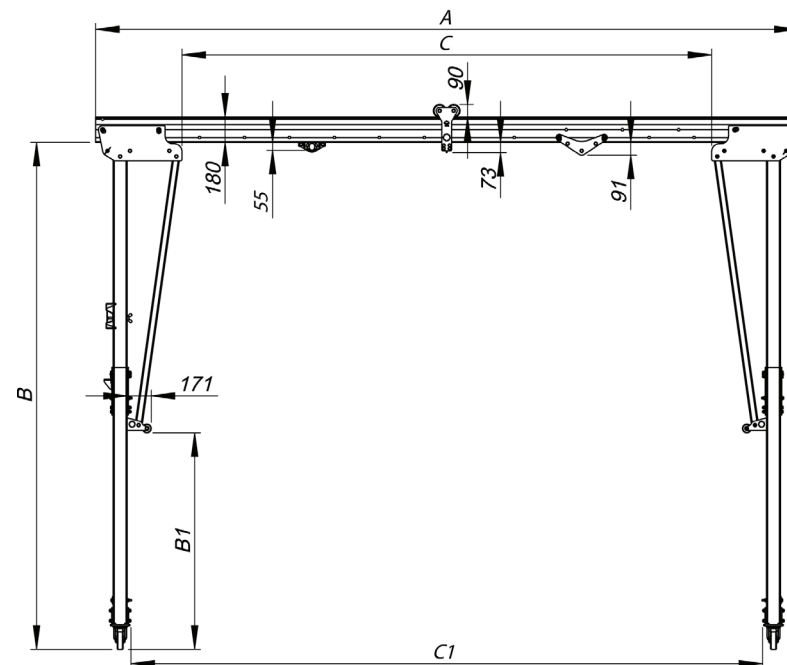
ASBXXX-YY-ZZ

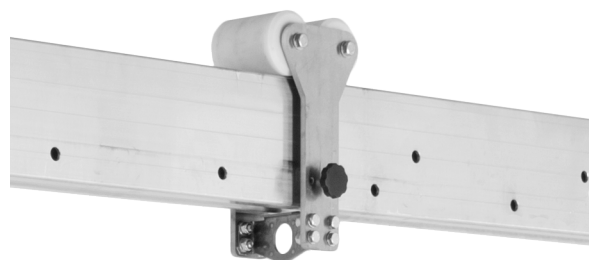
XXX - length of the beam [cm]
[200 / 300 / 400 / 600 / 700]

YY - support height option
[A1 / B1 / C1]

ZZ - wheels set type
[W1 / W2 / W3]

EXAMPLE: **ASB500-B1-W2** - 5 meter beam with support B1 with standard Ø 160 mm galvanized steel with solid rubber tyre wheels.





+

ASB500-360



A device for folding the crane.

Ref. Nr

Part name

ASB300-001
+ ASB500-200
+ ASB500-360

3m
beam with external trolley
and hitch for raising the support

ASB400-001
+ ASB500-200
+ ASB500-360

4m
beam with external trolley
and hitch for raising the support

ASB500-001
+ ASB500-200
+ ASB500-360

5m
beam with external trolley
and hitch for raising the support

ASB600-001
+ ASB500-200
+ ASB500-360

6m
beam with external trolley
and hitch for raising the support

ASB700-001
+ ASB500-200
+ ASB500-360

7m
beam with external trolley
and hitch for raising the support

→ ASB SUPPORT LIST



Ref. Nr

Part name

ASB500-450-1
+ wheel set
+ ASB500-140

x2

A1 support - pair
1690...2168mm
Wheels set included.
Chain hoist grip included.

ASB500-100-1
+ wheel set
+ ASB500-140

x2

B1 support - pair
2207...3607mm
Wheels set included.
Chain hoist grip included.

ASB500-500-1
+ wheel set
+ ASB500-140

x2

C1 support - pair
3121...5521mm
Wheels set included.
Chain hoist grip included.



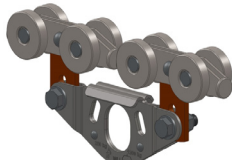
ASB ALUMINIUM GANTRY CRANE

ADDITIONAL ACCESSORIES

INTERNAL TROLLEY

ref. ASB500-250

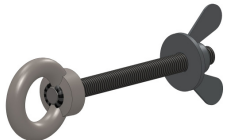
Made of galvanized and stainless steel. Space saving. Attachment point only 55mm under the beam. Position blocking using bolts with cotter pin. Internal trolley can be used for personal protection purposes only. One trolley can be use for one person.



HITCH FOR LIFTING THE VERTICAL PART OF SUPPORT

ref. ASB500-370

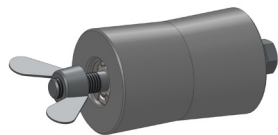
Made of stainless steel. Used for easy beam height adjustment (vertical part of the support) with chain hoist. SHOULD BE USED with C1 support.



ROPE ROLLER FOR BEAM

ref. ASB500-180

Made of polyamide and galvanized steel. Provides working rope guidance when RUP 50x-T lifting device is used. Installed to the support using bolt with wing-nut. Installed between support front plates.



WHEEL SUPPORT

ref. ASB500-300

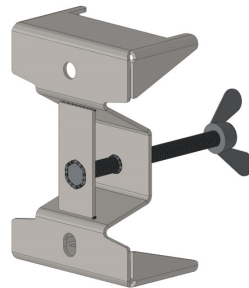
Made of galvanized and powder painted steel. Provides device leveling on uneven ground and stabilization during operation. Equipped with locking bolts with wings nuts. Complete ASB device must be equipped with four wheel supports. Wheel support are required when using pneumatic wheels.



WINCH BRACKET

ref. ASB500-190

Made of galvanized steel. Equipped with wing-nut for fast installation. Provides RUP50x-T lifting devices installation to the vertical part of the support. One piece is needed for one support.

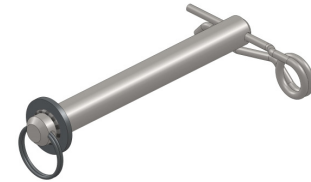


BOLT WITH COTTER PIN

ref. ASB500-130

Made of galvanized steel. Used for:

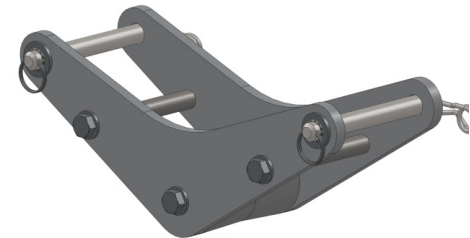
- locking vertical part of the support (one piece for one suport),
- locking beam between support's front plates (two pieces for one support),
- locking internal trolley position along the beam (two pieces for one internal trolley),
- locking rope roller for beam on the beam's holes (two pieces for one rope roller for beam).



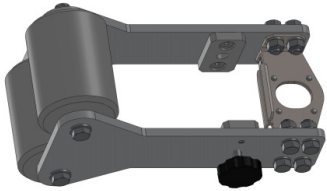
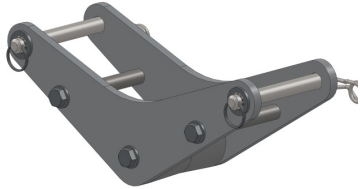
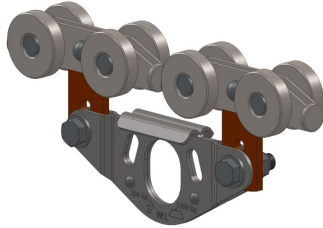
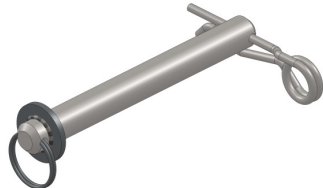
ROPE ROLLER FOR BEAM

ref. ASB500-240

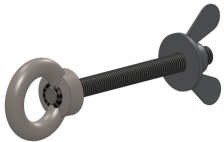
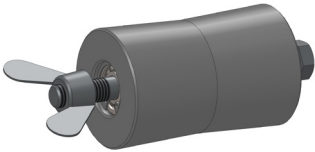
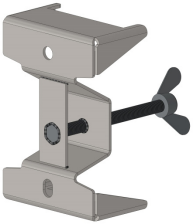
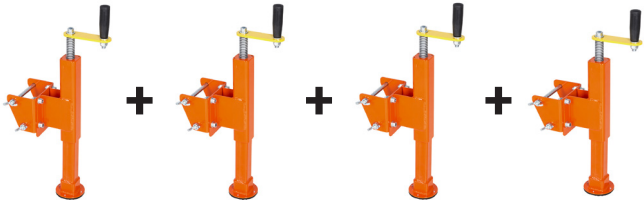
Made of reinforced aluminium alloy, stainless steel and polyamide parts. Provides working rope guidance when RUP 50x-T lifting device is used. Installed to the beam using bolts with cotter pin.



→ ASB PARTS LIST

	Ref. Nr	Part name
	ASB500-200	External trolley
	ASB500-240	External rope roller for beam
	ASB500-250	Internal trolley
	ASB500-130	Bolt with cotter pin

→ ASB PARTS LIST

	Ref. Nr	Part name
	ASB500-370	Hitch for lifting up the vertical part of support
	ASB500-180	Rope guide roller
	ASB500-190	Winch bracket
	ASB500-300	Wheel support 4 piece set For Use With W3 Wheels