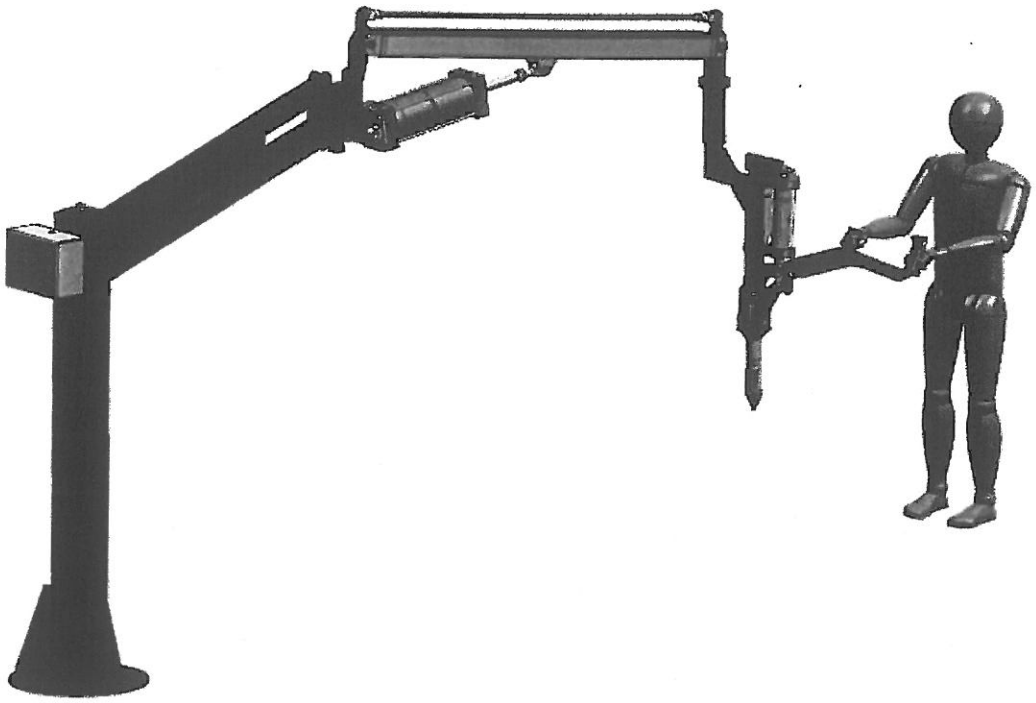
CENTURION
CUSTOM ENGINEERING

CENTURION d.o.o.
Matije Gupca 31, Bistrinci
31551 Belišće
Croatia



INSTRUCTION FOR ANSTALLATION, SAFE OPERATION, HANDLING AND MAINTENANCE

Arm for handling loads and tools

Proizvođač: CENTURION d.o.o.
Za tip: LiftCENT 100-R3,5-P-S
Br. projekta: 006/19

August, 2021.

Instructions for installation, safe operation, handling and maintenance

Project No.: 006/19

9. DECLARATION OF CONFORMITY OF THE MACHINE

According to Art. 7 and Annex II, point A, of the Ordinance on the safety of machinery
(Official gazette 28/2011)
Manufacturer:
CENTURION d.o.o.
Matije Gupca 31, Bistrinci, 31551 Belišće, Croatia
(Company name and full address of the manufacturer and, if applicable, his authorized representative)

Person responsible for compiling the technical documentation:
Neven Svalina, Bistrinci, Matije Gupca 31, Croatia
(Name and address of the person authorized to compile technical documentation, established in the Republic of Croatia and / or the European Union)

Machine description:
Arm for handling loads and tools, LiftCENT 100-R3,5-P-S
(Description, name, function)
006/19
(Documentation No.)
100-R3,5-P-S
(type)
006001-006999
(With serial number from - to)
2021
(year of manufacture)

declares with full responsibility that the specified machine Arm for handling loads and tools is made in accordance with applicable regulations and standards:

Ordinance on machine safety - OG 28/2011 (Machinery Directive ES 2006/42 / EC)
Electro Magnetic Compatibility - EMC Directive 2004/108 / EC and 2014/30 / EU

Used and coordinate standards:	EN ISO 12100:2010
CENTURION d.o.o. **Matije Gupca 31, Bistrinci, 31551 Belišće, Croatia** **Neven Svalina, director** **MP.**	**Date: 10.08.2021. g.** **Responsible person: Neven Svalina, director** **Signature:**

2.2. Technical data

NAME OF MACHINE:	Arm for handling loads and tools
TIP:	LiftCENT 100-R3,5-P-S
MANUFACTURER:	CENTURION d.o.o.
SERIAL No.:	Look at the ID plate
YEAR OF MANUFACTURE:	Look at the ID plate
OPERATING PRESSURE:	6 bar (air)
DIMENSIONS:	
External:	3500 mm
Internal:	600 mm
MASS:	390 kg

2.3. Parts of a machine

The load handling arm has the following elements built in:

- Pillar,
- Horizontal arm,
- Vertical arm,
- Catcher

Pillar

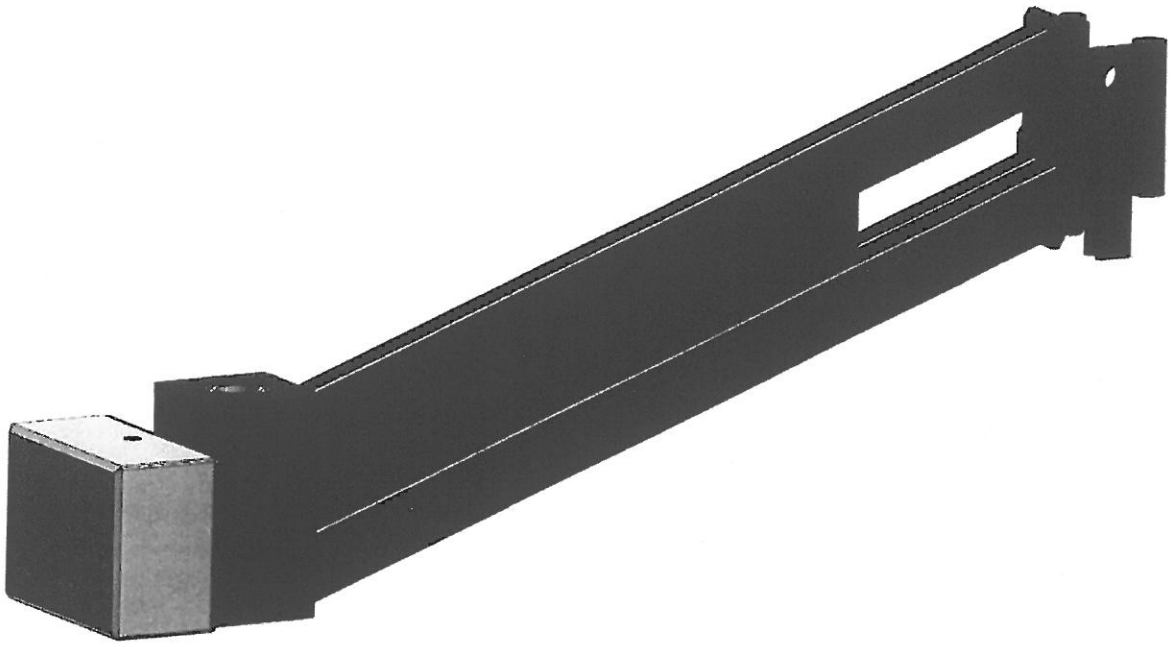
is a welded and machined structure. The load-bearing structure is made of a round steel pipe measuring Ø245 mm with a wall thickness of 6 mm, and forms an inseparable welded structure with the base. In the zone of potentially greatest loads, the column is additionally reinforced with six ribs spaced 60 degrees apart. The pivot shaft passes through the pivot base tube and is welded on both sides. The floor (base) is designed to be grounded for a stable base with six M20 screws.

Horizontal arm

is a welded and machined structure. It is a load-bearing structure consisting of an inseparable welded structure and a detachable joint and a box is mounted on one end of the horizontal arm.

The horizontal arm is in contact with the Swivel Post at one end in such a way that it can be rotated 360 °, while at the other end it continues to the joint with which it connects for the next position.

The purpose of this position is to enable the manipulation of the load in the horizontal plane by 360 °.

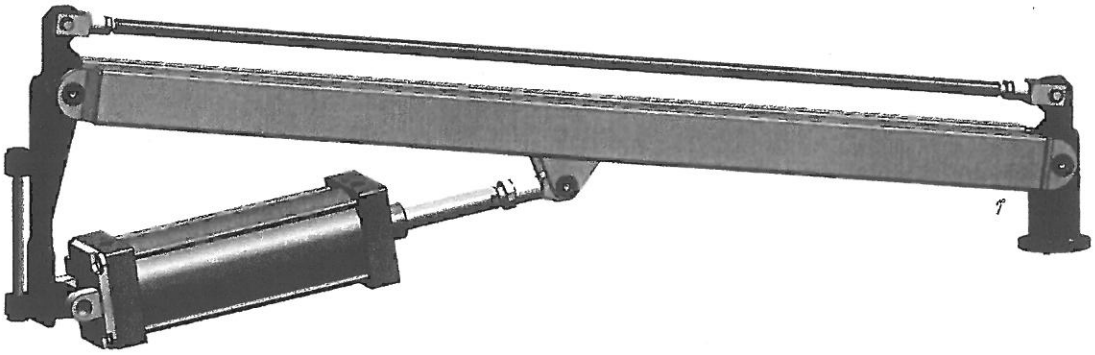


Vertical arm

is a position consisting of several welded and machined parts which are detachably interconnected in such a way as to form a vertically movable structure.

The construction as such serves to lift the load by means of a cylinder which can be hydraulic or pneumatic depending on the requirements and subtype of the manipulator.

The vertical arm is a load-bearing structure that is hinged at one end to the Horizontal arm and at the other end to a universal holder intended for an adjustable grip.

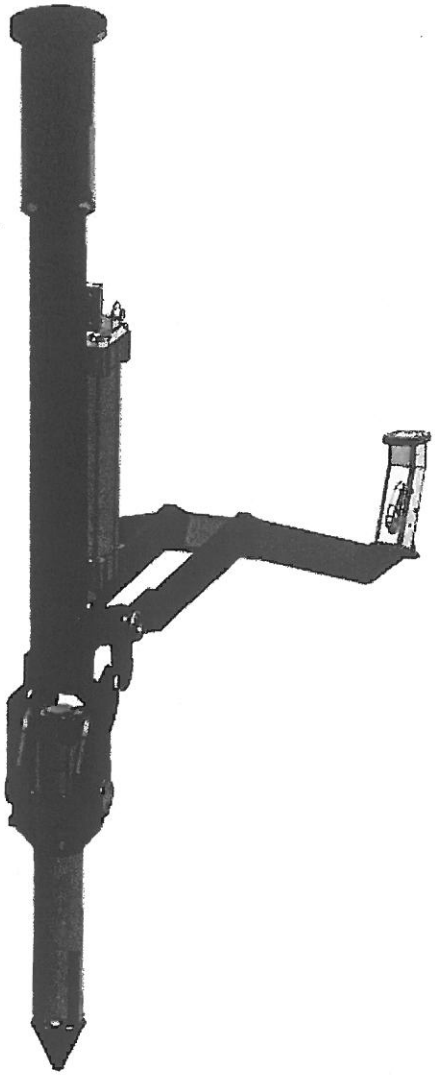


Catcher

can be adapted to the user depending on the needs of the same. In standard delivery, the manipulator comes with a simple swivel lifting hook.

A quick change of any gripper or tool design is possible because the grip on the vertical arm of the manipulator is standardized and consistent with the grip on the gripper or tool.

The gripper or tool can be made in such a way that the movements are pneumatically, hydraulically or electrically driven.



3. MACHINE INSTALLATION

Attention!

The machine can only be installed by the machine manufacturer!

!! otherwise the warranty is not valid !!

The load handling arm is placed on a flat surface to prevent it bending of the machine axis. The column that carries the entire manipulator is raised to a vertical position with help of a crane or forklift, and in a way that it is hooked in the intended places. Pillar needs to be fixed to the floor with M20 steel threaded rods that protect it from moving and overturning. If the floor is made of solid concrete then M20 steel bars are fixed to the floor with chemical dowels.

When carrying and positioning the machine, it is necessary to hold the machine in places that ensure safe movement and transport.

When carrying and moving the machine, take care of the weight of the machine, which is as follows:

- Pillar 140 [kg]
- Horizontal arm 100 [kg]
- Vertical arm 90 [kg]
- Catcher 60 [kg]

When installing the machine, observe the distances required for machine operation and maintenance.