

Lifting Carts for Assembly Operations



Operation

The transfer carts are equipped with handles at the table plate which are used for their positioning. The moving mechanism consists of a steel construction with two fixed rollers and two steering rollers with brake. The brakes of the transfer carts of line 8913-0XX are individually operated at the steering rollers. For the lines 8913-1XX/-2XX both brakes are operated by means of a common brake pedal. The moving mechanisms are equipped with manual-hydraulically operated lifting units as per data sheet M 6.910. The stroke movement is realized at the lifting unit with single-lever operation, with oil being pumped by means of a piston pump into a plunger cylinder. To lift the load, the foot pedal has to be depressed by approx. 45° several times. By means of a return spring the pedal is maintained in initial position. To lower the load, the foot pedal has to be raised by approx. 10°.

Application and installation instructions

- Loading of the transport carts and placing of loads must only be effected centrally.
- Lateral movement with loads is only admissible at walking pace and in the lower stroke position of the lifting unit.

Application

Besides the possibility of transportation, the lifting carts offer the feature of height adjustment. The lifting carts are particularly suitable for transportation of equipment, assembly fixtures or testing devices which are used at different places within production. These advantages become particularly noticeable if the operator position must be adapted in height. In the field of assembly the lifting carts offer advantages if the individual working height of the operator can be adapted to the ergonomic demands. Profits of productivity are obtained if e.g. within an assembly based on the division of work, lifting carts can be passed on from working place to working place without resetting of the components.

Material

The moving mechanism and the table plate are made of steel, black-lacquered. The surface of the table plate is bright. The columns, top and base plates of the lifting units are made of anodized aluminium. The top and base plates are black lacquered.

Advantages

- Good accessibility
- High flexibility
- Improved productivity
- Optimized ergonomy
- Simple operation
- Short time of amortization



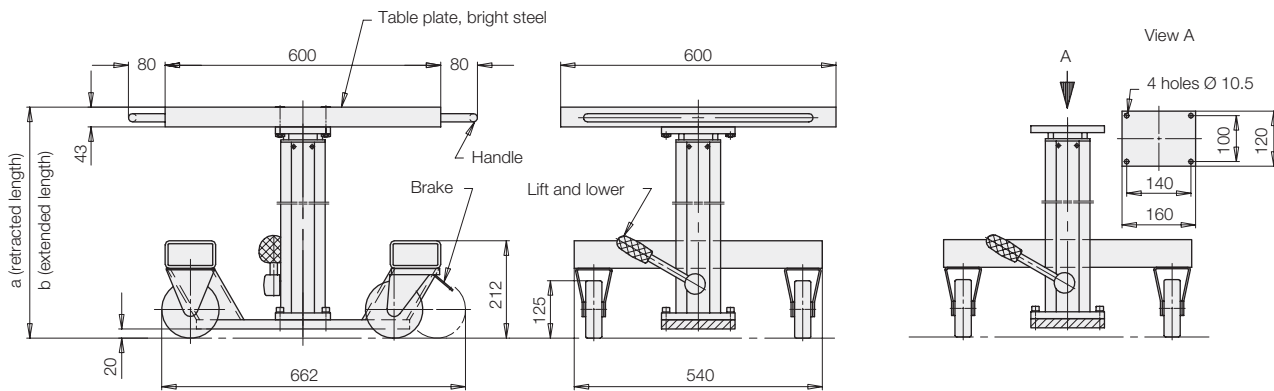
The figure shows a lifting cart for assembly (max. 600 kg).
Version with plastic cover and rotating table plate (special version).
(For special versions – Please contact us)

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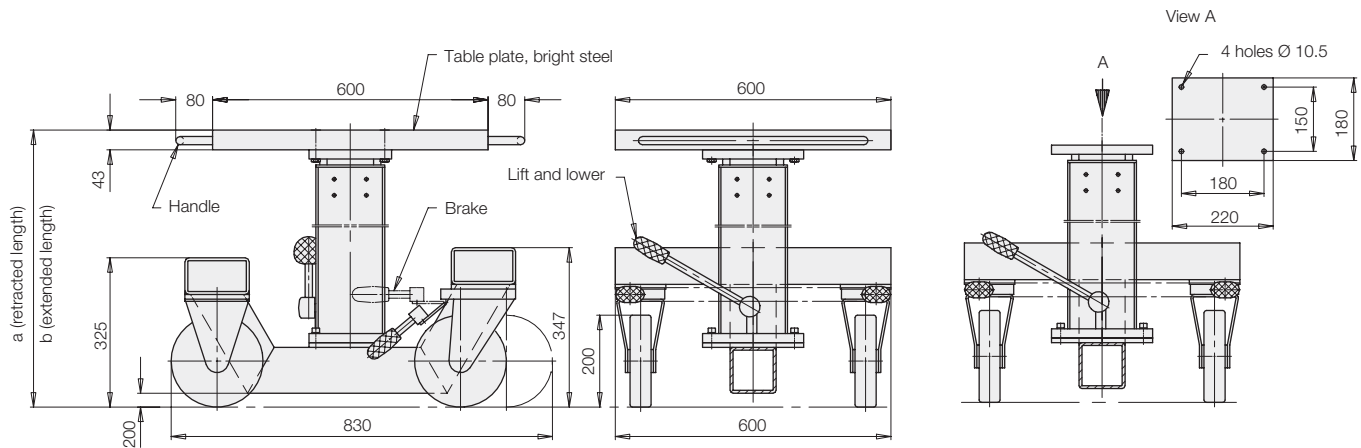
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Technical characteristics



Line 8.913-0XX

Stroke [mm]	a [mm]	b [mm]	No. of operations	Weight with plate [kg]	F = 2 kN with plate Part-no.	Weight without plate [kg]	F = 2 kN without plate Part-no.
200	503	703	16	68	8913-029	47	8913-028
300	603	903	25	69	8913-030	48	8913-031
400	703	1103	33	70	8913-040	49	8913-041
500	803	1303	41	71	8913-050	50	8913-051
600	903	1503	50	72	8913-060	51	8913-061



Line 8.913-1XX

Stroke [mm]	a [mm]	b [mm]	No. of operations	Weight with plate [kg]	F = 4 kN with plate Part-no.	Weight without plate [kg]	F = 4 kN without plate Part-no.
200	603	803	16	94	8913-129	73	8913-128
300	703	1003	25	99	8913-130	78	8913-131
400	803	1203	33	104	8913-140	83	8913-141
500	903	1403	41	109	8913-150	88	8913-151
600	1003	1603	50	114	8913-160	93	8913-161

Line 8.913-2XX

Stroke [mm]	a [mm]	b [mm]	No. of operations	Weight with plate [kg]	F = 6 kN with plate Part-no.	Weight without plate [kg]	F = 6 kN without plate Part-no.
200	603	803	20	94	8913-229	73	8913-228
300	703	1003	30	99	8913-230	78	8913-231
400	803	1203	40	104	8913-240	83	8913-241
500	903	1403	50	109	8913-250	88	8913-251
600	1003	1603	60	114	8913-260	93	8913-261