



Assembly Tables

Functions: lifting, swivelling and rotating workpiece weights up to 250/500/1000 kg



Application

Assembly tables are used for assembly of heavy components and groups of components. The most favourable height and position for the corresponding assembly work can be adjusted.

Function sequence and control can be adapted to the assembly process by using different variants.

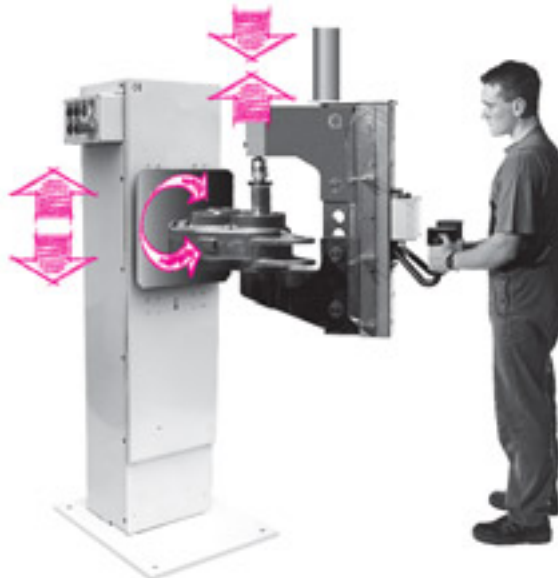
These tables can be retrofitted in a flexible way for other assembly tasks in a very short time and are also used for single workpieces.

Using these tables in assembly systems, installations can be realized where components are supplied to the workpiece place of a single operator. A completely assembled workpiece is obtained in one cycle.

Application of these tables is particularly suitable for assembly processes which require high forces e.g. clamping, pressing in or out.

Special features

On demand the assembly tables are also available with individually arranged operating panel.



Industry/applications (selection)

- Gear box assembly, drive technology
- Couplings, cardan shafts
- Compressors, pumps, hydraulic elements
- Industrial fittings
- Material handling technology
- Automotive industry and their suppliers
- Machine tool building
- Building and agricultural machines
- Electronics

Advantages

- Improved ergonomics
- Low expenditure of energy
- Important assembly volume
- High flexibility
- Short processing time
- Low retrofitting expenses
- Low fixture costs
- Short positioning and clamping time

Description

These assembly tables are stable welded structures with adjusting and fixing holes for fixing on the floor. A special foundation is not required. The guiding profiles are reinforced to compensate the load and turning moments.

The assembly tables correspond to the CE machine tool guide lines.

The design of the electric control is made as per VDE, IEC and BGV A3. The operation is made with electrical control elements with touch control.

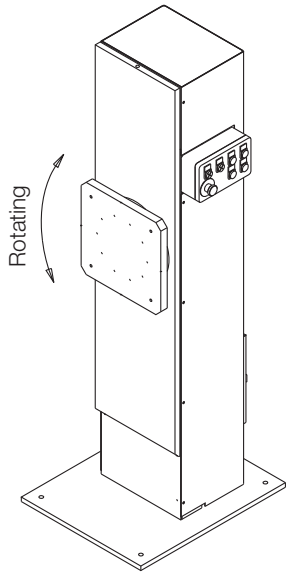
Application and installation instructions

When installing the assembly tables it has to be considered that they will be installed on a plain surface and fixed on the floor as per the operating instructions.

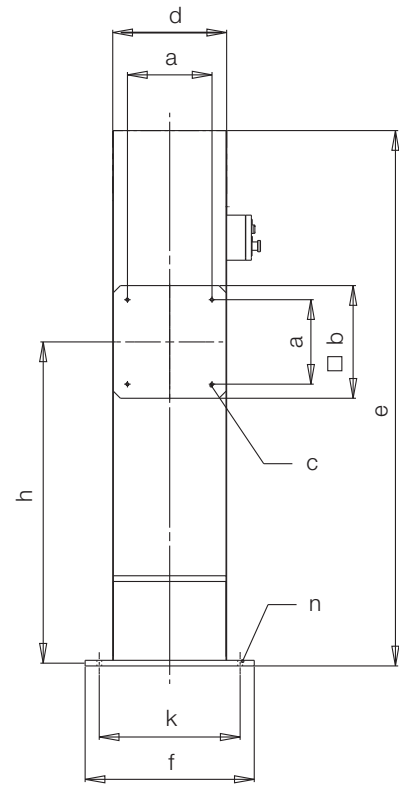
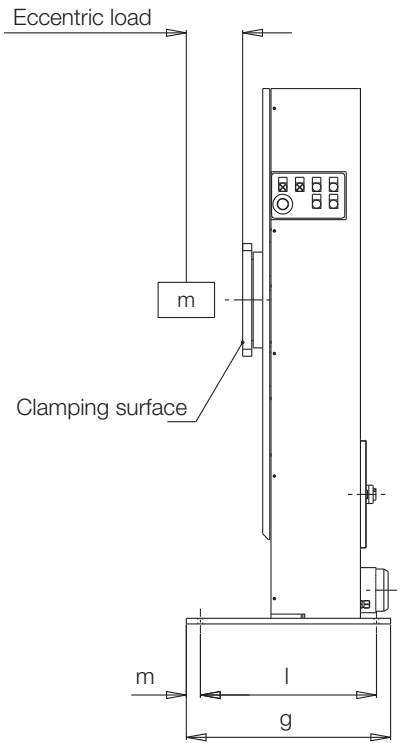
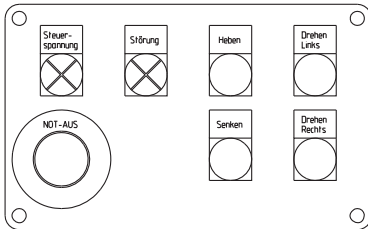


Technical characteristics

Version HDv



Operating panel



Technical characteristics

Workpiece weight max.	[kg]	250	500	1000
Eccentric load up to clamping surface	[mm]	200	350	600
a	[mm]	300	500	700
b	[mm]	400	595	950
c	[mm]	4 x M 12	4 x M 20	4 x M 24
d	[mm]	404	600	950
e	[mm]	1900	2300	2400
f	[mm]	600	1000	1150
g	[mm]	725	1350	1550
h	[mm]	1150	1150	1150
k	[mm]	500	900	1050
l	[mm]	625	1250	1450
m	[mm]	50	50	50
n	[mm]	17	22	22
o	[mm]	200	300	475
Number of rotations	[rpm]	2.5	2.5	2.5
Torque	[Nm]	320	1750	3500
Stopping points		4 x 90°	4 x 90°	4 x 90°
Height adjustment	[mm]	± 250	± 250	± 250
Lifting speed	[mm/min]	2600	1500	1500
Power	[kW]	1.1	4	7.5
Weight	[kg]	610	1600	2600
Part-no.		6511-025	6511-051	6511-100

Rotating drive DS-transmission brake motor
 Lifting drive DS-gear motor with self-locking spindle
 Electric connection 3/PE (50 Hz 400 V)
 Code class IP 54 / colour RAL 7035 / CE conformity