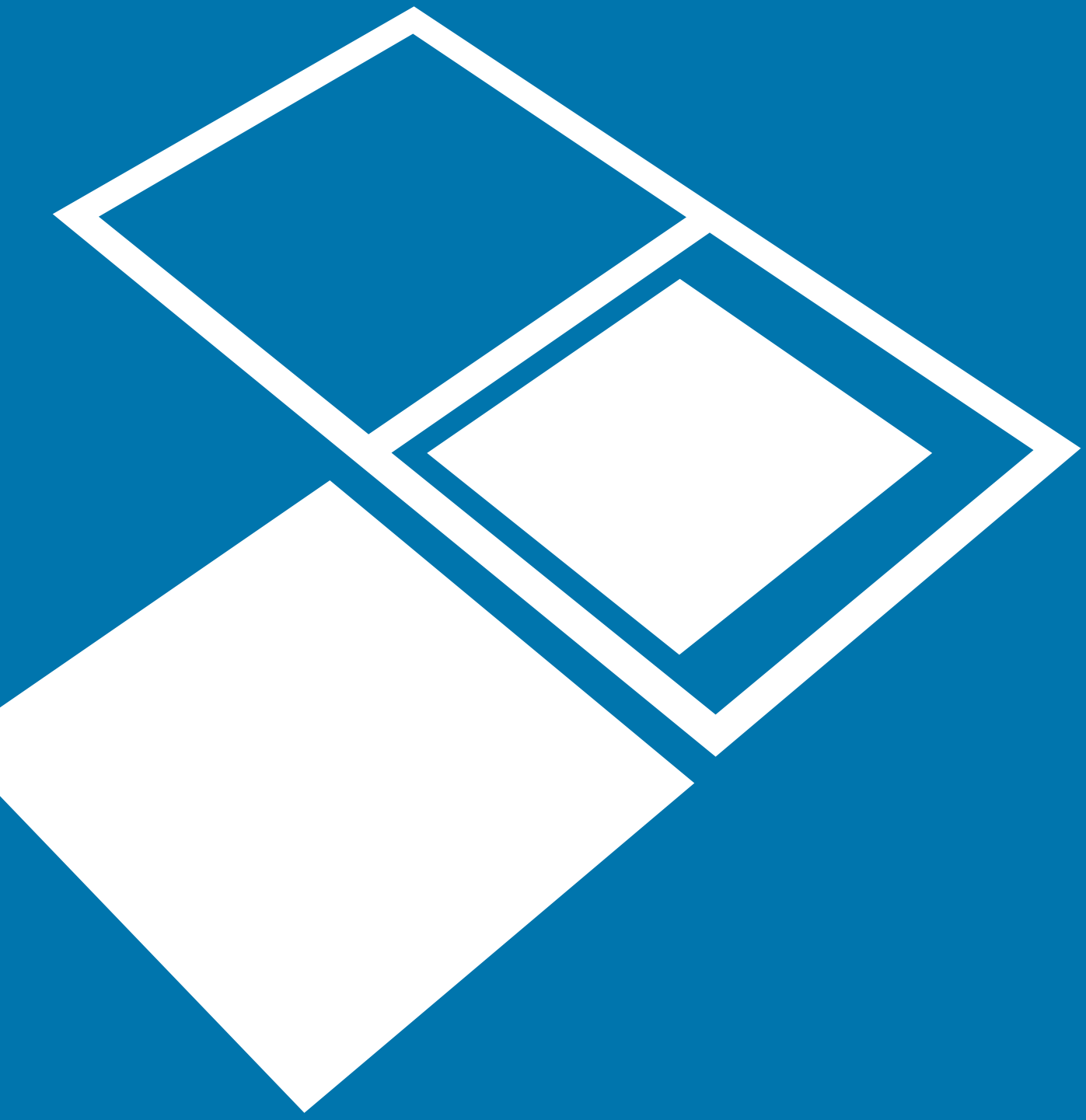
BEEWATEC

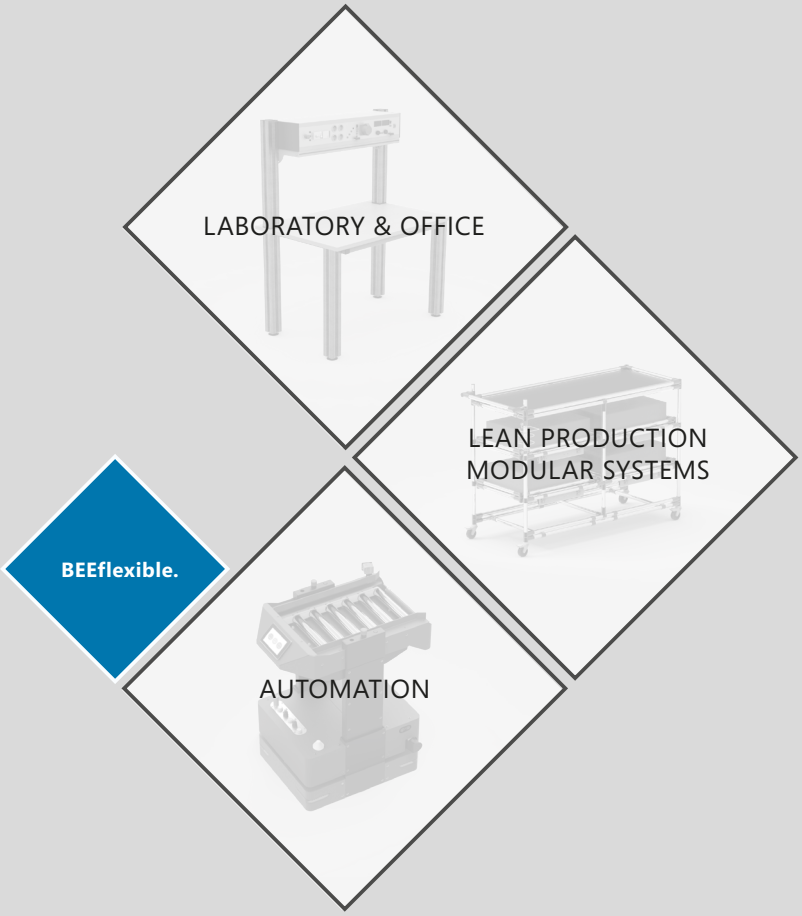
Processes connected with flexibility

Office. Laboratory. Education. 3.2

Your space. Your work. Your requirements.
Your workplace exactly how you want it.



SIMPLE. FLEXIBLE. INDIVIDUAL.



BEEWATEC

Processes connected with flexibilitv

SIMPLE.

FLEXIBLE.

INDIVIDUAL.

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Quality with tradition

HAID (now: BeeWaTec AG) was founded in 1927 as a watch factory. In the 1980s, the new laboratory furniture division of the company was launched and held great promise for the future. Over the subsequent years, HAID became an increasingly important player in the electrical and electronics industry. Continuously expanding the product range enabled the company to continue to grow, tap into new business areas and develop into a successful supplier of comprehensive, integrated workplace solutions.

Innovation and production

Today, BeeWaTec AG (one of the leading suppliers of pipe racking systems) along with its affiliated companies BeeWaTec-Automation (automated guided vehicles) offers a comprehensive portfolio of workplace solutions and flexible workflow systems. Together, the companies have considerable development, production and storage capacity split over four sites in Pfullingen, Germany. At its headquarters, large rooms with state-of-the-art machinery provide the setting for developing and producing the BeeWaTec furniture and assembly systems – work that includes everything from designing, building the furniture, as well as mechanical and electrical engineering, right up to final assembly and dispatch.

Flexibility. Quality. Ergonomics.

Every workplace is different. That's why at BeeWaTec we have developed equipment systems that provide you with unlimited possibilities when it comes to arranging your professional work environment. You can have complete creative freedom regarding combinations, dimensions, surfaces and equipment.

Premium materials, meticulous craftsmanship and intelligent detailed solutions guarantee quality down to the last detail. Ergonomic working becomes an option thanks to height-adjustable tables, a flexible work environment and ergonomic assembly aids. Your workplace exactly how you want it – BeeWaTec makes it possible.

Comprehensive service

Friendly advice, specialist expertise, experience and a large dose of dedication – these are the factors we use to develop a customised solution from our wide range of workplace systems that is tailor-made to your circumstances. Our members of staff ensure that your project is meticulously designed and reliably implemented and that the work on site is completed on schedule. And we are still on hand even once the project has been finished to provide you with conversion or expansion services, maintenance and spare parts.

„The workplace has to adapt to the person, not the other way round!“

Everything from a single source!

If you have any questions or would like to arrange a one-to-one consultation at your site, please don't hesitate to get in touch.

We look forward to hearing from you!

Best wishes,
Hans-Peter Walter

Chief Executive Officer, BeeWaTec AG

Product portfolio

Our product portfolio includes the following standard elements: table systems, assembly systems, equipment systems and cabinets, equipment technology, ergonomic assembly systems, lifting and heavy-duty tables aids, energy supply and equipment technology.

BeeWaTec offers three different **table systems** for laboratories, which include mobile elements, base units, shelving, test benches and plenty of other special furniture features alongside the work tables and superstructures.

- **BASIS** – The functional equipment system. The BASIS furniture system combines solid frames made of powder-coated steel tube and various work surfaces perfectly crafted by hand to produce a harmonious and timeless overall impression. The BASIS system boasts impressive functionality and unlimited options for customised workplace solutions, including a wide range of standard components, creative freedom and an experienced BeeWaTec team ready to turn all your ideas into reality.

- **SWING** – Elegant in design and perfect in function. Based on the circle, the most natural and also most beautiful basic shape, we have developed a profile that perfectly meets your requirements in terms of both its design and function. These profile columns, high-quality work surfaces and numerous intelligent details are the standard components of the modular SWING system. It is an excellently designed system comprising standard dimensions and detailed solutions that can be combined in any way that you like. The system allows you to create customised workplaces that are tailor-made to your requirements, provide flexible everyday use and can be expanded at any time.

Select the right panel material for your work surfaces!

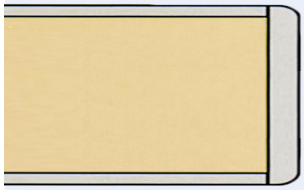
Panel material

- We offer worktops made from high-quality materials as table systems.
- Partially as an electrically conductive version
- Select between basic or special measurements
- Customer-specific panel cuts (please state measurements in 10mm increments) and cut panels with processing
- With suitably finished edges. We use an edge band as standard.

ME... Chipboard

- Upper and lower side same pattern
- Normal abrasion resistance
- Limitedly scratch- and shockproof
- Stain-resistant to acetone, alcohol, benzine, nail polish remover, organic solvents
- ESD version is volume conductive

Quality

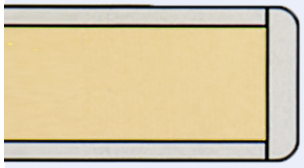


Substrate	Chipboard (Wood)
Surface covering	Melamineresin direct coating
Covering	Melamineresin direct coating
Edges	1 mm ABS edge, at 25 mm thickness with 2 mm ABS edge
Dimensions (LxW)	2655x2100mm (ESD version 2655x2800mm)
Available thicknesses	**13 mm** (HA201095*) **19 mm** (HA201092*) **25 mm** (HA201093*) **ESD 19 mm** (HA201096*)
Colour	Light grey, similar to RAL 7035 other colours on request

RS... Chipboard

- High abrasion resistance
- Highly scratch- and shock proof
- Resistant to standard household chemicals, solvents, weak acids and lyes

Quality



Substrate	Chipboard (Wood)
Surface covering	HPL laminate 0.8 mm
Covering	HPL laminate
Edges	Edges 2 mm ABS edge, rounded radius R2
Dimensions (LxW)	5600x2070mm
Available thicknesses	**26.6 mm** (HA201098); **other thicknesses on request**
Colour	Light grey, similar to RAL 7035 other colours on request

***Note:** The article number is for the raw plate. Please always specify the required cutting dimension (please state measurements in 10 mm increments) when placing an order.

MPBU... Beech multiplex panel

- High load capacity
- Surface sensitive, but perfect for workbenches

Quality

Substrate	**Beech** multiplex panel (Wood)
Surface covering	Raw/oiled
Covering	Raw
Available thicknesses	**25 mm** (HA201099*) **40 mm** (HA202690*)
Colour	Natural beech

SC... Chipboard with HPL laminate ESD

- ESD version according to RS... chipboard
- High abrasion resistance
- Highly scratch- and shock proof
- Volume conductive
- Resistant to standard household chemicals, solvents, weak acids and lyes

Quality

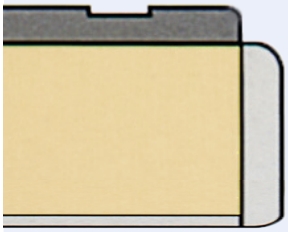
Substrate	Chipboard volume-conductive (Wood)
Surface covering	HPL laminate 0.8 mm conductive
Covering	HPL laminate
Edges	2 mm ABS edge antistatic, rounded radius R2
Dimensions (LxW)	5600x2070mm
Available thicknesses	**26.6 mm** (HA201097)
Colour	Light grey, similar to RAL 7025

***Note:** The article number is for the raw plate. Please always specify the required cutting dimension (please state measurements in 10 mm increments) when placing an order.

NB...

- Pimpled rubber made from synthetic rubber 4 mm
- Resistant to standard household chemicals, solvents, weak acids and lyes

Quality

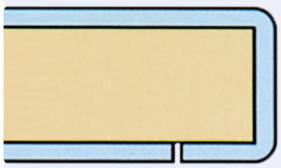


Substrate	Chipboard (Wood)
Surface covering	Pimpled rubber 4 mm antistatic
Covering	Melamineresin coating
Edges	2 mm ABS edge, rounded radius R2
Available thicknesses	**23 mm** **29 mm**
Colour	Grey

ES... Special panel (on request)

- Stainless steel sheathed worktop

Quality



Substrate	Chipboard middle ply (Wood)
Surface covering	Stainless steel shell 1 mm
Covering	Metal
Longitudinal edge in front	Stainless steel U edging
Longitudinal edge behind	Stainless steel L edging
Available thicknesses	**28 mm**
Colour	Stainless steel

***Note:** The article number is for the raw plate. Please always specify the required cutting dimension (please state measurements in 10 mm increments) when placing an order.

BASIS System table

Tabletops	
Thickness	27 mm HPL laminate panel
Laminate	HPL laminate, 0.8 mm (kitchen worktop quality), abrasion resistance according to EN 438, textured anti-glare surface
Edging	ABS edge banding
Front edge	ABS edge banding in same colour as tabletop
Colour	RAL 7035 - light grey
Dimensions (other dimensions available on request)	
Width	800 mm - 2000 mm in 100 mm intervals
Depth	800 mm, 900 mm, 1000 mm
Height	780 mm

Key Facts

- Powder-coated steel tube frame
- Table height 780 mm
- Option of setting back when assembled in a row
- ESD version available
- Customer-specific frame colour possible
- Coloured tabletop possible
- Mobile version available
- Corner combination with leg room
- High load-bearing capacity with maximum stability guaranteed
- Option of delivery unassembled for LT/AT

BASIS System table

BASIS is a diverse and functional equipment system for laboratories and technical workplaces. The solid table frame made of powder-coated steel tube is available in different widths and depths, making any individual combination possible. The construction is very rigid so that it can also bear heavy superstructures and make unsupported corner solutions with leg room possible.

The BASIS system with its extensive range of base units, rolling filing cabinets, table superstructures and cabinets provides the right equipment for every workplace.

BASIS Work table + BASIS Table extension + Base unit + Superstructure on tabletop

One structure height is not always sufficient for every table. The height adjusters are a simple way of adjusting the height. These adjusters mean that the height of every table is continuously adjustable in a range from 780 mm to 920 mm.

Height adjusters are ideal for tables from both ranges, LT and AT.

BASIS Special solution

Table: 11-35-20-08-20-00-10

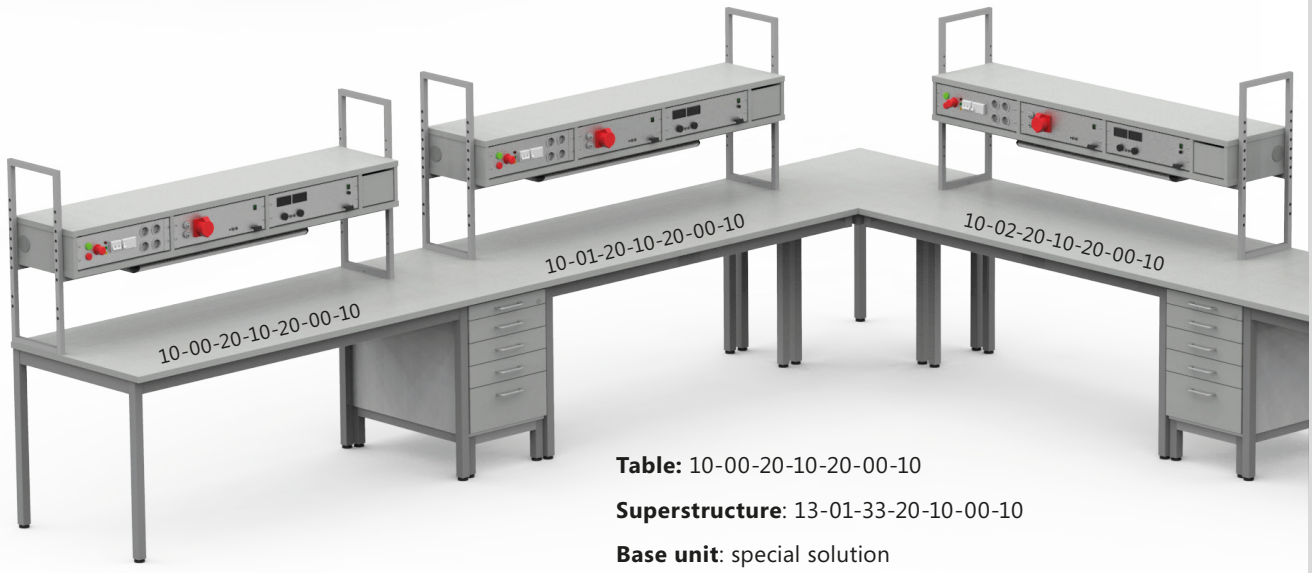


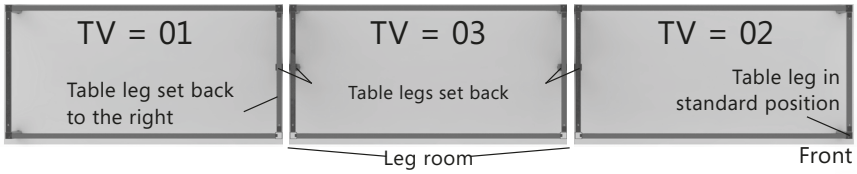
Table: 10-00-20-10-20-00-10

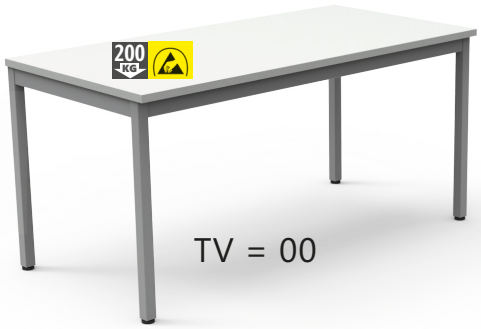
Superstructure: 13-01-33-20-10-00-10

Base unit: special solution

BASIS Laboratory tables, LT range

The BASIS range includes solid laboratory tables for your workplace set-up. Laboratory tables from BeeWaTec always have a modular structure. A few basic components can be combined to create laboratory tables with virtually any conceivable dimensions. With the standard modular set, there are 3 possible depths and 13 widths. Special dimensions are available. This table series features an impressively high load-bearing capacity with maximum stability guaranteed. All of the tables are also available in ESD versions. The frames are all powder-coated, whilst the table legs are fitted with levelling screws.





10	-	TV	-	W	-	D	-	PV	-	EV	-	C
BASIS Laboratory tables		**Table version**		**Table width**		**Table depth**		**Panel version**		**Equipment variant**		**Colour**

Example of a BASIS Laboratory order code: 10-00-10-08-22-00-10

TV		W		D		PV*		EV		C	
Basic table		**08**	800 mm	**08**	800 mm	**Melamineresin coating (ME)**		**Without additonal equipment**		**Frame colour**	
00	Laboratory table	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm,with ABS edge banding, colour RAL 7035	**00**	Without additional equipment	**10**	Dusty grey (7037)
01	Laboratory table, table leg set back to the right	**10**	1000 mm	**10**	1000 mm	**HPL laminate (RS/SC)**		**Cable flap/calbe tray**		**11**	Light grey (7035)
02	Laboratory table, table leg set back to the left	**11**	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	**10**	With cable flap		
03	Laboratory table, table leg set back to the left and rights	**12**	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	**12**	With cable flap and cable tray, incl. cable duct		
With height adjustment		**13**	1300 mm					**14**	With cable flap, cable tray and 19" module rack, incl. cable duct		
05	Laboratory table, manual height adjustment	**14**	1400 mm					**16**	With cable flap and cable tray ("XL")		
06	Laboratory table, manual height adjustment, table leg set back to the right	**15**	1500 mm			**Beech multiplex (MP)**		**Cable outlets**			
07	Laboratory table, manual height adjustment, table leg set back to the left	**16**	1600 mm			**30**	Beech multiplex, thickness 25 mm, untreated	**20**	With cable outlet (right)		
08	Laboratory table, manual height adjustment, table leg set back to the left and rights	**17**	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled	**22**	With cable outlet (left)		
		18	1800 mm					**24**	With cable outlet (right and left)		
		19	1900 mm					**26**	With cable outlet (right and left) and cable tray "XL"		
		20	2000 mm								

* see tabletops on page 1 (front tabletops 40 mm overlapping, flush-sided, table height 780 mm by default)

Note: Do not assemble more than 3 tables in a row if their legs are set back, as this may have a detrimental effect on stability.

BASIS Laboratory table extension

10	-	TV	-	W	-	D	-	PV	-	EV	-	C
BASIS Laboratory table extensions		Table version		Table width		Table depth		Panel version		Equipment variant		Colour

Example of a BASIS Laboratory table extension order code: 10-10-12-08-20-00-10

TV		W		D		PV*		EV		C	
Basic table extension		**08**	800 mm	**08**	800 mm	**Melamineresin coating (ME)**		**Without additonal equipment**		**Frame colour**	
10	Table extension, right	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm,with ABS edge banding, colour RAL 7035	**00**	Without additional equipment	**10**	Dusty grey (7037)
11	Table extension, left	**10**	1000 mm	**10**	1000 mm	**HPL laminate (RS/SC)**		**Cable flap/calbe tray**		**11**	Light grey (7035)
with height adjustment		**11**	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	**10**	With cable flap		
12	Table extension, right, manual height adjustment	**12**	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	**12**	With cable flap and cable tray, incl. cable duct		
13	Table extension, left, manual height adjustment	**13**	1300 mm					**14**	With cable flap, cable tray and 19" module rack, incl. cable duct		
		14	1400 mm					**16**	With cable flap and cable tray („XL")		
		15	1500 mm			**Beech multiplex (MP)**		**Cable outlets**			
		16	1600 mm			**30**	Beech multiplex, thickness 25 mm, untreated	**20**	With cable outlet (right)		
		17	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled	**22**	With cable outlet (left)		
		18	1800 mm					**24**	With cable outlet (right and left)		
		19	1900 mm					**26**	With cable outlet (right and left) and cable tray „XL"		
		20	2000 mm								

* see tabletops from page 1

Note: Do not assemble more than 3 tables in a row if their legs are set back, as this may have a detrimental effect on stability.

BASIS Work tables, AT range

Work tables are different from laboratory tables in that they have welded reinforcements on the sides between the table legs and an additional crossbar. This feature makes these tables ideal for heavy loads. The modular concept behind the frame structure is exactly the same in both ranges. The frames are all powder-coated, whilst the table legs are fitted with levelling screws.

TV = 00

11	-	TV	-	W	-	D	-	PV	-	EV	-	C
BASIS Work tables		**Table version**		**Table width**		**Table depth**		**Panel version**		**Equipment variant**		**Colour**

Example of a BASIS Work table order code: 11-00-16-08-30-00-10

TV		W		D		PV*		EV		C	
Basic table		**08**	800 mm	**08**	800 mm	Melamineresin coating (ME)		Without additonal equipment		Frame colour	
00	Work table	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	00	Without additional equipment	10	Dusty grey (7037)
09	Mobile work table	**10**	1000 mm	**10**	1000 mm	HPL laminate (RS/SC)		Cable flap/calbe tray		11	Light grey (7035)
With height adjustment		**11**	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	10	With cable flap		
05	Work table, manual height adjustment	**12**	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	12	With cable flap and cable tray, incl. cable duct		
20	Work table, hydraulic height adjustment (hand crank)	**13**	1300 mm					14	With cable flap, cable tray and 19" module rack, incl. cable duct		
21	Mobile work table, hydraulic height adjustment (hand crank)	**14**	1400 mm					16	With cable flap and cable tray („XL")		
25	Work table, electro-hydraulic height adjustment	**15**	1500 mm			Beech multiplex (MP)		Cable outlets			
26	Mobile work table, electro-hydraulic height adjustment	**16**	1600 mm			30	Beech multiplex, thickness 25 mm,untreated	20	With cable outlet (right)		
With shelf		**17**	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled	22	With cable outlet (left)		
30	Work table with shelf (RAL 7035)	**18**	1800 mm					**24**	With cable outlet (right and left)		
31	Work table with shelf (RAL 7035), manual height adjustment	**19**	1900 mm					26	With cable outlet (right and left) and cable tray „XL"		
32	Mobile work table with shelf (RAL 7035)	**20**	2000 mm								

* see tabletops on page 1 (front tabletops 40 mm overlapping, flush-sided, table height 780 mm by default)

Additional equipment for work tables

Cabinet with sliding doors

TV = 35

The cabinet has a vertical central panel and sliding doors. The scope of delivery includes one shelf for the left-hand side and another shelf for the right-hand side. The height at which these shelves are installed can be adjusted using the holes in the 32 mm grid pattern.

11	-	TV	-	W	-	D	-	PV	-	EV	-	C
BASIS Work tables with cabinet		Table version		Table width		Table depth		Panel version		Equipment variant		Colour

Example of a BASIS Additional equipment order code: 11-35-20-08-10-00-10

TV		W		D		PV*		EV		C	
Basic table		**08**	800 mm	**08**	800 mm	**Melamineresin coating (ME)**		**Without additonal equipment**		**Frame colour**	
35	Work table with cabinet with sliding doors with lock (RAL 7035)	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm,with ABS edge banding, colour RAL 7035	00	Without additional equipment	10	Dusty grey (7037)
36	Mobile work table with cabinet with sliding doors with lock (RAL 7035)	**10**	1000 mm	**10**	1000 mm	**HPL laminate (RS/SC)**				11	Light grey (7035)
		11	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035				
		12	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035				
		13	1300 mm								
		14	1400 mm								
		15	1500 mm			**Beech multiplex (MP)**					
		16	1600 mm			**30**	Beech multiplex, thickness 25 mm, untreated				
		17	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled				
		18	1800 mm								
		19	1900 mm								
		20	2000 mm								

* see tabletops from page 1

BASIS Application examples

Table: 10-00-18-09-20-12-10

- BASIS Laboratory table
- 1800x900x780mm (WxDxH)
- HPL laminate panel,
  thickness 27 mm with ABS edge banding
- Colour: RAL 7035, incl. cable flap and cable tray

Superstructure: 13-01-56-18-10-00-10

- BASIS Table superstructure assembled high up
  on frame support
- Width 1800 mm, in the form of 1 x straight shelf level,
  depth 375 mm and 1 x slanted shelf level,
  edge bar at front, depth 480 mm

Table: 11-30-18-09-20-00-10

- BASIS Work table with shelf
- 1800x900x780mm (WxDxH)
- HPL laminate panel,
  thickness 27 mm with ABS edge banding
- Colour: RAL 7035

Table with superstructure: 14-10-00-17-10-20-36-00-12-00-10

Table:

- BASIS Laboratory table
- 2000x1000x780mm (WxDxH)
- HPL laminate panel,
  thickness 27 mm with ABS edge banding
- Colour: RAL 7035

Superstructure:

- BASIS Table superstructure assembled on tabletop
- Width 2000 mm
- In the form of equipment superstructure 6 HU
- Custom equipment fittings possible

Table with superstructure: 14-10-00-18-08-22-70-02-24-26-10

Table:

- BASIS Laboratory table
- 1800x800x780mm (WxDxH)
- HPL laminate panel, thickness 27 mm with ABS edge banding (ESD)
- Colour: RAL 7035

Superstructure:

- BASIS Table superstructure assembled on tabletop between experiment frame
- Width 1800 mm,
- In the form of 5-corner channel
- Custom equipment fittings possible

Rolling filing cabinet: 12-02-05-24-06-10

- BASIS Rolling filing cabinet, range 570
- 430x570x468mm (WxDxH)
- 4 x 1HR (4 drawers), full pull-out wiht pull-out tray at top
- All in light grey

Table left: 10-01-20-08-22-20-10

- BASIS Laboratory table, table leg set back to the right
- 2000x800x780mm (WxDxH)
- HPL laminate panel, thickness 27 mm with ABS edge banding (ESD)
- Colour: RAL 7035
- With cable outlet (right)

Superstructure left:

- Special superstructure

Base unit left: 12-05-05-24-05-10

- BASIS Base unit, 570 range (ESD)
- 430x570x468mm (WxDxH)
- 4 x 1HR (4 drawers), partial pull-out with pull-out tray at top
- All in light grey

Accessories: 119397

- "TopGrip" PC holder

Table and superstructure right:

- Inverted accordingly

BASIS Laboratory table with superstructure on table

14	-	10	-	TV	-	W	-	D	-	PV
BASIS		Laboratory table		Table version		Table width		Table depth		Panel version

TV		W		D		PV*	
Basic table		**08**	800 mm	**08**	800 mm	Melamineresin coating (ME)	
00	Standard	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035
01	Table leg set back to the right	**10**	1000 mm	**10**	1000 mm	HPL laminate (RS/SC)	
02	Table leg set back to the left	**11**	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035
03	Table leg set back to the left and right	**12**	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035
With height adjustment		**13**	1300 mm				
05	Manual height adjustment	**14**	1400 mm				
06	Manual height adjustment, table leg set back to the right	**15**	1500 mm			Beech multiplex (MP)	
07	Manual height adjustment, table leg set back to the left	**16**	1600 mm			30	Beech multiplex, thickness 25 mm, untreated
08	Manual height adjustment, table leg set back to the left and right	**17**	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled
		18	1800 mm				
		19	1900 mm				
		20	2000 mm				

* see tabletops from page 1

BASIS Work table with superstructure on table

14	-	11	-	TV	-	W	-	D	-	PV
BASIS		Work table		Table version		Table width		Table depth		Panel version

TV		W		D		PV*	
Basic table		**08**	800 mm	**08**	800 mm	Melamineresin coating (ME)	
00	Standard	**09**	900 mm	**09**	900 mm	**10**	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035
09	Mobile with rollers	**10**	1000 mm	**10**	1000 mm	HPL laminate (RS/SC)	
With height adjustment		**11**	1100 mm			**20**	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035
05	Manual height adjustment	**12**	1200 mm			**22**	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035
20	Hydraulic height adjustment (hand crank)	**13**	1300 mm				
21	Mobile with rollers, hydraulic height adjustment (hand crank)	**14**	1400 mm				
25	Electro-hydraulic height adjustment	**15**	1500 mm			Beech multiplex (MP)	
26	Mobile with rollers, electro-hydraulic height adjustment	**16**	1600 mm			30	Beech multiplex, thickness 25 mm, untreated
With shelf		**17**	1700 mm			**32**	Beech multiplex, thickness 25 mm, oiled
30	with shelf (RAL 7035)	**18**	1800 mm				
31	with shelf (RAL 7035), manual height adjustment	**19**	1900 mm				
32	Mobile with rollers with shelf (RAL 7035)	**20**	2000 mm				

* see tabletops from page 1

- DT - EF - CD - EV - C

DT – Design type		EF – Experiment frame		CD – Cable duct		EV – Equipment variant		C – Colour	
Superstructure		With cassette and equipment superstructure at top, with energy channel assembled at side		Opening for cable duct in superstructure		Table equipment		Frame colour	
00	Without superstructure	**00**	Not included	00	Not included	**00**	Without additional equipment	**10**	Dusty grey (7037)
Cassette superstructure		**01**	With ex frame, 1 level	**10**	Right	Cable outlets in front of superstructure		**11**	Light grey (7035)
21	Cassette superstructure 3HU (AE), slanted front	**02**	With ex frame, 2 level	**12**	Left	**20**	With cable outlet (right)		
24	Cassette superstructure 3HU (AE), straight front	**03**	With ex frame, 3 level	**14**	Right and left	**22**	With cable outlet (left)		
Equipment superstructure				**20**	Right bottom	**24**	With cable outlet (right and left)		
33	Equipment superstructure 3HU (AB)			**22**	Left bottom	**26**	With cable outlet (right and left) and cable tray „XL"		
36	Equipment superstructure 6HU (AB)			**24**	Right and left bottom				
Energy channel				Additionally at energy channel 70/72 possible:					
70	5-corner channel			**30**	Right rear				
72	rectangular channel			**32**	Left rear				
				34	Right and left rear				

- DT - EF - CD - EV - C

DT – Design type		EF – Experiment frame		CD – Cable duct		EV – Equipment variant		C – Colour	
Superstructure		With cassette and equipment superstructure at top, with energy channel assembled at side		Opening for cable duct in superstructure		Table equipment		Frame colour	
00	Without superstructure	00	Not included	00	Not included	00	Without additional equipment	**10**	Dusty grey (7037)
Cassette superstructure		01	With ex frame, 1 level	10	Right	Cable outlets in front of superstructure		11	Light grey (7035)
21	Cassette superstructure 3HU (AE), slanted front	02	With ex frame, 2 level	**12**	Left	**20**	With cable outlet (right)		
24	Cassette superstructure 3HU (AE), straight front	03	With ex frame, 3 level	**14**	Right and left	**22**	With cable outlet (left)		
Equipment superstructure				**20**	Right bottom	**24**	With cable outlet (right and left)		
33	Equipment superstructure 3HU (AB)			**22**	Left bottom	**26**	With cable outlet (right and left) and cable tray „XL"		
36	Equipment superstructure 6HU (AB)			24	Right and left bottom				
Energy channel				Additionally at energy channel 70/72 possible:					
70	5-corner channel			**30**	Right rear				
72	rectangular channel			**32**	Left rear				
				34	Right and left rear				

BASIS Base units/ Rolling filing cabinents

Key Facts

Base units/ Rolling filing cabinets

Cabinet	Dowelled and glued, made from finegrade chipboard with melamineresin coating according to DIN EN 14322; DIN EN 14323, closed on all sides
Edges	ABS edge, rounded
Drawers	Steel drawers with grid for typical organisational items, top unit available as pullout for small items
Runners	Metal telescopic runners with ball cage bearing, available as partial/full/over-extension pull-out
Locking system	Central locking with pull-out lock, interchangeable cylinder with 2 folding keys
Handles	Stainless steel
Versions	Base unit or rolling filing cabinet
ESD conductivity	Volume-conductive version according to DIN EN 61340 available (RAL 7035 only)
Castors	Twin castors (50 kg/castor), front castors with locking device
Colours	Single or multiple colour(s)
Test certification	GS mark (Tested Safety)

Technical data for 570 range

Cabinet	
Width	430 mm
Depth	570 mm
Height	Base unit: 468 mm, Rolling filing cabinet: 550 mm
Material	Fine-grade chipboard with melamineresin coating
Thickness	19 mm
Cabinet decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Drawer, 570 depth version	
Dimensions of usable area	327x490mm (WxD)
Material	Sheet steel
Colour	Black
Version	1HM, 2HM, 3HM; 1HM is around 100 mm
Removable	Yes
Pull-out system	With soft-close system
	Partial pull-out, load 25 kg
	Full pull-out, load 25 kg
	Over-extension pull-out, load, 45 kg
Accessories	Orga elements
Panel decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Handles	Stainless steel

Technical data for 770 range

Cabinet	
Width	430 mm
Depth	770 mm
Height	Base unit: 564 mm, Rolling filing cabinet: 646 mm
Material	Fine-grade chipboard with melamineresin coating
Thickness	19 mm
Cabinet decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Drawer, 770 depth version	
Dimensions of usable area	327x690mm (WxD)
Material	Sheet steel
Colour	Black
Version	1HM, 2HM, 3HM; 1HM is around 100 mm
Removable	Yes
Pull-out system	With soft-close system
	Partial pull-out, load 25 kg
	Full pull-out, load 25 kg
	Over-extension pull-out, load, 45 kg
Accessories	Orga elements
Panel decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Handles	Stainless steel

BASIS Base unit with drawers

570 range

12	-	DT	-	D	-	V	-	PO	-	DG
BASIS Base units		Design type		Cabinet depth		Version		Pull-out		Design

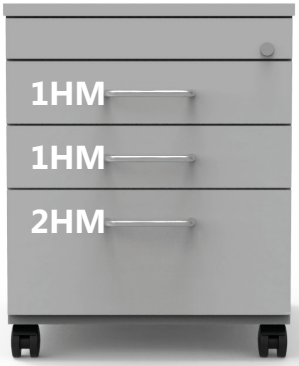
Example of a BASIS Base unit order code: 12-02-05-22-01-10

DT		D		V		PO		DG	
With drawers		**05**	570 mm	**Panel height divison 1HM is around 100 mm**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
01	Base unit*			**21**	1 x 1HM, 1 x 3HM (2 drawers) (only for base unit)	**01**	Partial pull-out with locking bezel at top	**10**	All in light grey
02	Rolling filing cabinet					**02**	Full pull-out with locking bezel at top	**12**	Cabinet light grey, drawer panels slate grey
05	ESD Base unit*			**22**	2 x 2HM (2 drawers)	**05**	Partial pull-out with pull-out tray at top	**14**	Cabinet slate grey, drawer panels light grey
06	ESD Rolling filing cabinet			**23**	2 x 1HM, 1 x 2HM (3 drawers)	**06**	Full pull-out with pull-out tray at top	**16**	All in slate grey
				24	4 x 1HM (4 drawers)				

*Only possible with a table depth of 1000 mm. Different drawer division, colours, pull-outs, handles and dimensions available on request.

Drawer height division

External dimensions: 430x570x550mm (WxDxH)



BASIS Base unit with drawers

770 range

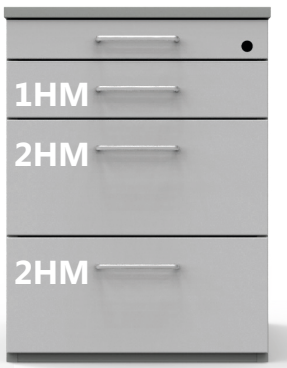
12	-	DT	-	D	-	V	-	PO	-	DG
BASIS Base units		**Design type**		**Cabinet depth**		**Version**		**Pull-out**		**Design**

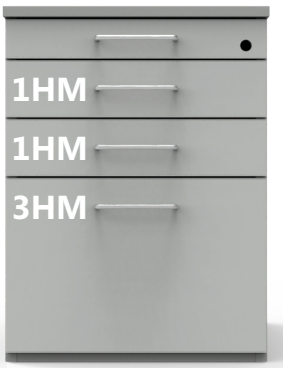
Example of a BASIS Base unit order code: 12-02-07-32-07-10

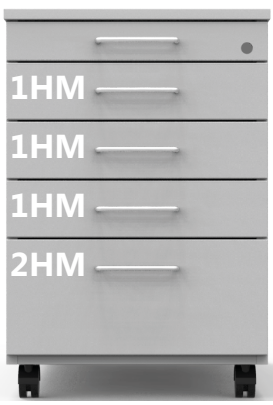
DT		D		V		PO		DG	
With drawers		**07**	770 mm	**Panel height division 1HM is around 100 mm**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
01	Base unit			**31**	2 x 2HM, 1 x 1HM (3 drawers)	**01**	Partial pull-out with locking bezel at top	**10**	All in light grey
02	Rolling filing cabinet			**32**	1 x 2HR, 1 x 3HR (2 drawers) (only for base unit)	**02**	Full pull-out with locking bezel at top	**12**	Cabinet light grey, drawer panels slate grey
05	ESD Base unit			**33**	2 x 1HR, 1 x 3HR (3 drawers) (only for base unit)	**05**	Partial pull-out with pull-out tray at top	**14**	Cabinet slate grey, drawer panels light grey
06	ESD Rolling filing cabinet			**34**	3 x 1HR, 1 x 2HR (4 drawers)	**06**	Full pull-out with pull-out tray at top	**16**	All in slate grey
				35	5 x 1HR (5 drawers)				

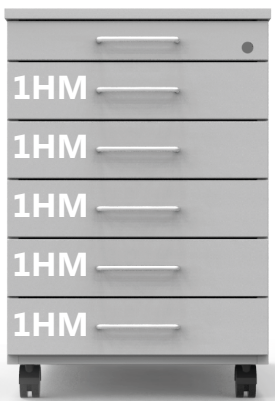
Different drawer division, colours, pull-outs, handles and dimensions available on request.

Drawer height division









External dimensions:
430x770x646mm (WxDxH)

BASIS Base unit with door and shelf

DT		D		V		PO		DG	
With doors		**05**	570 mm	**Door hinge**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
11	Base unit	**07**	770 mm (only possible with a table depth of 1000 mm)	**40**	Open design (no door)	**00**	Not available with pull-out	**10**	All in light grey
12	Rolling filing cabinet			**41**	Door hinge on right			**12**	Cabinet light grey, drawer panels slate grey
15	ESD Base unit			**42**	Door hinge on left			**14**	Cabinet slate grey, drawer panels light grey
16	ESD Rolling filing cabinet							**16**	All in slate grey

BASIS 19“ Base unit

DT		D		V		PO		DG	
19" Base unit		**07**	770 mm (only possible with a table depth of 1000 mm)	**Height of usuable are**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
30	19" Base unit, permanently assembled			**12**	12 HU (height units)	**00**	Not available with pull-out	**10**	All in light grey
32	19“ Mobile base unit							**16**	All in slate grey
34	19" Base unit available as extra (table height 780 mm)"								

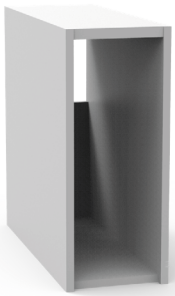
BASIS PC Base unit

DT		D		V		EV		DG	
PC Base unit		**06**	650 mm	**Door hinge**		**Equipment**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
20	PC Base unit			**40**	Open design (no door)	**00**	Without socket	**10**	All in light grey
				41	Door hinge on right	**10**	With socket	**12**	Cabinet light grey, drawer panels slate grey
				42	Door hinge on left			**14**	Cabinet slate grey, drawer panels light grey
								16	All in slate grey

BASIS Base unit with door:
12-12-05-41-00-10

PC Base unit:
12-20-06-41-00-10

19“ Base unit:
12-32-07-12-00-10



PC-Base unit:
12-20-06-40-00-10

19“ Base unit:
12-30-07-12-00-10

BASIS Superstructure, individual (without table)

13	-	AP	-	DT	-	W	-	V	-	EV	-	C
BASIS Table superstructures		**Assembly position**		**Design type**		**Table width**		**Version**		**Equipment variant**		**Colour**

Example of a BASIS Superstructure order code: 13-01-33-16-10-00-10

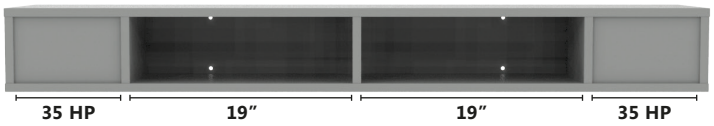
BASIS Superstructure assembled high up on frame support

AP		DT		W		V		EV		C	
Assembled high up on frame support		**Shelving superstructure**		**12**	1200 mm	**Standard**		**Without additional equipment**		**Colour**	
00	Height 580 mm	**12**	Shelving superstructure, open design	**13**	1300 mm	**10**	Standard	**00**	Without additional equipment	**10**	Dusty grey (7037)
01	Height 760 mm	**13**	Shelving superstructure, closed design, with roller shuttter	**14**	1400 mm	**11**	Standard with reinforcement			**11**	Light grey (7035)
02	Height 1100 mm	**Cassette superstructure**		**15**	1500 mm	**ESD**					
		24	Cassette superstructure 3HU, straight front	**16**	1600 mm	**22**	ESD				
		Equipment superstructure		**17**	1700 mm	**26**	ESD with reinforcement				
		33	Equipment superstructure 3HU	**18**	1800 mm						
		36	Equipment superstructure 6HU	**19**	1900 mm						
		39	Equipment superstructure 3HU, for double workplace, can be equipped on left and right	**20**	2000 mm						
		Shelf level									
		50	Straight shelf level, depth 375 mm								
		55	Slanted shelf level, edge bar at front, depth 480 mm								
		56	1 x straight shelf level, depth 375 mm+ 1 x slanted shelf level, edge bar at front, depth 480 mm								

HP division for design types 33 and 36

Design types 33 and 36: wood cabinet in light grey (RAL 7035).
See image below: 3 HU for design type 33; 6 HU for design type 36.

Table width W-16



For table width 1600

2 x 19″
2 x 35 TE

W	Left	Middle	Right
12	-	2 x 19″	7 HP
13	-	2 x 19″	21 HP
14	-	2 x 19″	42 HP
15	-	2 x 19″	63 HP
16	35 HP	2 x 19″	35 HP
17	42 HP	2 x 19″	42 HP
18	-	3 x 19″	21 HP
19	-	3 x 19″	42 HP
20	21 HP	3 x 19″	21 HP

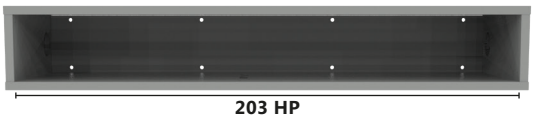
Note: 1 HP = 5.08 mm. All superstructure come with residual panels.

The equipment superstructures 3 HU and 6 HU are used to hold 19″ module racks. Depending on the total width of the superstructure, insert panels will be provided to the left and right or just to the right. The insert panels are included in the scope of delivery as standard and always have a height of 3 HU. It is possible to equip the insert panels with supply components, as shown in the section on energy distribution starting on page 109. The relevant dimensions can be found in the table to the side.

HP division for design types 21 and 24

Design types 21 and 24: wood cabinet in light grey (RAL 7035).

Table width W-12



For table width 1200

2 x 19″
1 x 14 TE

W	Total width
12	203 HP
13	224 HP
14	245 HP
15	259 HP
16	280 HP
17	301 HP
18	322 HP
19	343 HP
20	357 HP

Note: 1 HP = 5.08 mm.

The cassette superstructures are equipped with a consistent module rack 3 HU, which can be used to hold equipment cassettes/insert panels. The width of the area that can be used will depend on the width of the superstructure. Refer to the table to find out the usable width.

BASIS Superstructure (without table)

13	-	AP	-	DT	-	W	-	V	-	CD
BASIS Table superstructure		**Assembly position**		**Design type**		**Table width**		**Version**		**Cable duct**

Example of a BASIS Superstructure order code: 13-10-36-16-10-14

BASIS Superstructure assembled on tabletop

AP		DT		W		V		CD	
Assembled on tabletop		**Cassette superstructure**		**12**	1200 mm	**Standard**		Opening for cable duct in superstructure	
10	Assembled on tabletop	**21**	Cassette superstructure 3HU, slanted front	**13**	1300 mm	**10**	Standard	00	Not included
		24	Cassette superstructure 3HU, straight front	**14**	1400 mm	**ESD**		10	Right
		Equipment superstructure		**15**	1500 mm	**22**	ESD	**12**	Left
		33	Equipment superstructure 3HU	**16**	1600 mm			**14**	Right and left
		36	Equipment superstructure 6HU	**17**	1700 mm			**20**	Right bottom
		39	Equipment superstructure 3HU, for double workplace, can be equipped on left and right	**18**	1800 mm			**22**	Left bottom
		Energy channel		**19**	1900 mm			24	Right and left bottom
		70	5-corner channel	**20**	2000 mm			Additionally at energy channel 70/72 possible:	
		72	Rectangular channel					**30**	Right rear
								32	Left rear
								34	Right and left rear

HP division for design types 33 and 36

Design types 33 and 36: wood cabinet in light grey (RAL 7035).
See image below: 3 HU for design type 33; 6 HU for design type 36.

Table width W-16

For table width 1600

2 x 19"
2 x 35 TE

W	Left	Middle	Right
12	-	2 x 19"	14 HP
13	-	2 x 19"	35 HP
14	-	2 x 19"	56 HP
15	-	2 x 19"	77 HP
16	35 HP	2 x 19"	35 HP
17	49 HP	2 x 19"	49 HP
18	-	3 x 19"	35 HP
19	-	3 x 19"	49 HP
20	28 HP	3 x 19"	28 HP

Note: 1 HP = 5.08 mm. All superstructure come with residual panels.

The equipment superstructures 3 HU and 6 HU are used to hold 19" module racks. Depending on the total width of the superstructure, insert panels will be provided to the left and right or just to the right. The insert panels are included in the scope of delivery as standard and always have a height of 3 HU. It is possible to equip the insert panels with supply components, as shown in the section on energy distribution starting on page 109. The relevant dimensions can be found in the table to the left.

HP division for design types 21 and 24

Design types 21 and 24: wood cabinet in light grey (RAL 7035).

Table width W-12

For table width 1200

2 x 19"
1 x 14 TE

W	Total width
12	210 HP
13	231 HP
14	252 HP
15	273 HP
16	294 HP
17	308 HP
18	329 HP
19	350 HP

The cassette superstructures are equipped with a consistent module rack 3 HU, which can be used to hold equipment cassettes/insert panels. The width of the area that can be used will depend on the width of the superstructure. Refer to the table to find out the usable width.

BASIS Superstructure, individual (without table)

Superstructure: 13-14-72-20-10-30

- BASIS Table superstructure assembled on tabletop between experiment frame,
- Width 2000 mm
- In the form of rectangular channel, with custom equipment fittings

Superstructure: 13-14-70-18-10-10

- BASIS Table superstructure assembled on tabletop between experiment frame
- Width 1800 mm
- In the form of 5-corner channel, with custom equipment fittings

13	-	AP	-	DT	-	W	-	V	-	CD
BASIS Table superstructure		**Assembly position**		**Design type**		**Table width**		**Version**		**Cable duct**

Example of a BASIS Superstructure order code: 13-14-70-12-10-30

BASIS Superstructure assembled on tabletop, between experiment frame

AP		DT		W		V		CD	
Assembled on tabletop, between experiment frame		**Energy channel**		**12**	1200 mm	**Standard**		**Opening for cable duct in superstructure**	
14	Assembled on tabletop, between experiment frame	**70**	5-corner channel	**13**	1300 mm	**10**	Standard	**10**	Right
		72	Recantgular channel	**14**	1400 mm			**12**	Left
				15	1500 mm			**14**	Right and left
				16	1600 mm			**20**	Right bottom
				17	1700 mm			**22**	Left bottom
				18	1800 mm			**24**	Right and left bottom
				19	1900 mm			**30**	Right rear
				20	2000 mm			**32**	Left rear
								34	Right and left rear

BASIS Experiment frame

16	-	DT	-	AP	-	W	-	V	-	EV	-	C
BASIS Experiment frame		**Design type**		**Assembly position**		**Table width**		**Version**		**Equipment variant**		**Colour**

Example of a BASIS – Experiment frame order code: 16-10-12-16-03-00-11

DT		AP		W		V		EV		C	
Experiment frame				**08**	800 mm			**Without additional equipment**		**Frame colour**	
10	Experiment frame	**12**	Assembled on tabletop (L-shaped foot support)	**09**	900 mm	**01**	1 level, DIN A4	**00**	Without additional equipment	**11**	Light grey (7035)
		14	Freestanding (T-shaped foot support)	**10**	1000 mm	**02**	2 levels, DIN A4				
				11	1100 mm	**03**	3 levels, DIN A4				
		20	Assembled on tabletop (L-shaped foot support) for 5-corner channel	**12**	1200 mm						
		22	Assembled on tabletop (L-shaped foot support) for rectangular channel	**13**	1300 mm						
				14	1400 mm						
				15	1500 mm						
				16	1600 mm						
				17	1700 mm						
				18	1800 mm						
				19	1900 mm						
				20	2000 mm						

BASIS – Application examples

Table with superstructure: 14-10-00-18-09-22-70-00-10-00-10

Table:

- BASIS Laboratory table
- 1800x900x780mm (WxDxH)
- HPL laminate panel, thickness 27 mm with ABS edge banding (ESD)
- Colour: RAL 7035

Superstructure:

- BASIS superstructure in the form of 5-corner channel assembled on tabletop
- Custom equipment fittings possible

Table with superstructure: 14-10-00-18-09-22-70-02-20-00-10

Table:

- BASIS Laboratory table
- 1800x900x780mm (WxDxH)
- HPL laminate panel, thickness 27 mm with ABS edge banding (ESD)
- Colour: RAL 7035

Superstructure 1:

- BASIS superstructure in the form of 5-corner channel assembled on tabletop between experiment frame
- Custom equipment fittings possible

Superstructure 2:

- BASIS Didactic experiment frame assembled on tabletop (L-shaped foot support) for 5-corner channel
- width 1800 mm
- 2 levels, DIN A4

BASIS Laboratory trolleys

15	-	TV	-	W	-	D	-	V	-	EV	-	C
BASIS Laboratory trolley		**Trolley version**		**Trolley width**		**Trolley depth**		**Version**		**Equipment variant**		**Colour**

Example of a BASIS Laboratory trolley order code: 15-00-05-08-10-14-10

TV		W		D		V		EV		C	
Laboratory trolley		05	500 mm	08	800 mm	Standard		Without additional equipment		Frame colour	
00	Laboratory trolley					10	Standard	00	Without additional equipment	10	Dusty grey (7037)
02	Laboratory trolley with handle					ESD		10	With additional shelf		
						22	ESD	12	With drawer		
								14	With additional shelf and drawer		

SWING System table

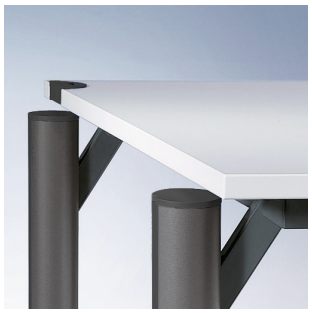
Tabletops	
Thickness	27 mm multi-layer chipboard
Laminate	HPL laminate, 0.8 mm (kitchen worktop quality), abrasion resistance according to EN 438, textured anti-glare surface
Edging	ABS edge banding
Front edge	ABS edge banding in same colour as tabletop
Colour	RAL 7035 - light grey
Cable flap	
Material	Metal (coated)
Penetration options	Side and front (brush stripe)
Version	Fully removeable
Position	Assembled at back in middle of table
Dimensions (other dimensions available on request)	
Width	800 mm - 2000 mm in 100 mm intervals
Depth	800 mm, 900 mm, 1000 mm
Height (default)	780 mm

Key Facts

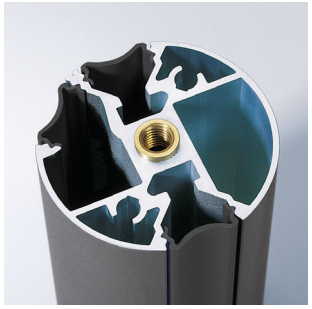
- Surrounding steel tube frame underneath the tabletop
- System profiles as table legs
- Table legs with heavy-duty grooves and levelling screws
- Cable duct built into the table leg
- Default table height of 780 mm
- Premium tabletop with HPL laminate coating
- Horizontal cable duct underneath the tabletop
- Opening for cables leading to cable duct integrated into the side of the tabletop
- Option of setting back the table legs when assembled in a row
- Flexible opportunities to extend with system add-ons and superstructures
- ESD version available
- Applications available in slate grey (standard) and distant blue

SWING System tables

SWING stands for unlimited possibilities when individually designing laboratory furniture. Tables of widths between 800 and 2000 mm and several depths can be combined and joined via corner elements.
This allows you to set different working heights for each separate section.




SWING stands for unlimited possibilities when individually designing laboratory furniture. Tables of widths between 800 and 2000 mm and several depths can be combined and joined via corner elements.
This allows you to set different working heights for each separate section.



The Swing profile has just three cut-outs: two segments opposite each other are used for connection purposes and another is used for the cable duct. In the centre of the profile, levelling screws are mounted at the bottom and adapters for lights and pivoting arms are mounted at the top.

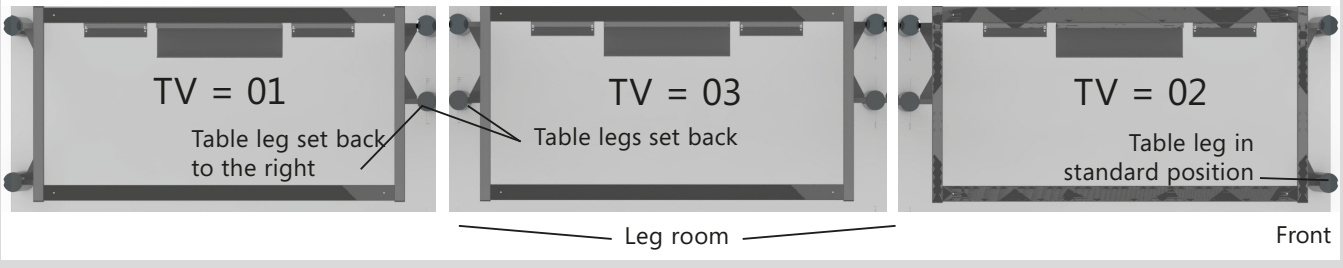
Cover strips over the segments, caps on the profile ends, as well as profile and cable penetrations are exquisite details that round off the logical design.

SWING System table

- Completely modular system
- Few basic components
- Multi-layer chipboard according to DIN 68 761
- Table height fully adjustable between 710 and 790 mm
- ESD version also available

SWING System table: 20-00-16-08-20-00-22

- 1600x800x780 (WxDxH)
- With HPL laminate panel,
  thickness 27 mm with ABS edge banding,
- Colour: RAL 7015
- With cable outlets on the left and right



20	-	TV	-	W	-	D	-	PV	-	EV	-	C
SWING System table		Table version		Table width		Table depth		Panel version		Equipment variant		Colour

Example of a SWING System table order code: 20-00-16-08-20-00-22

TV		W		D	PV*		EV		C	
Basic table		08	800 mm	08	800 mm	Melamineresin coating (ME)		Without additional equipment		Application colour	
00	System table	09	900 mm	09	900 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	00	Without additional equipment	22	Slate grey (7015)
01	System table, table leg set back to the right	10	1000 mm	10	1000 mm	HPL laminate (RS/SC)		Cable flap/calbe tray		23	Distant blue (5023)
02	System table, table leg set back to the left	11	1100 mm			20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	10	With cable flap		
03	System table, table leg set back to the left and right	12	1200 mm			22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	12	With cable flap and cable tray, incl. cable duct		
09	Mobile system table	13	1300 mm					14	With cable flap, cable tray and 19“ module rack, incl. cable duct		
With 1510 mm superstructure		14	1400 mm					16	With cable flap and cable tray („XL“)		
40	System table with 1510 mm superstructure	15	1500 mm			Beech multiplex (MP)		Cable outlets			
41	System table with 1510 mm superstructure, table leg set to the right	16	1600 mm			30	Beech multiplex, thickness 25 mm, untreated	20	With cable outlet (right)		
42	System table with 1510 mm superstructure, table leg set to the left	17	1700 mm			32	Beech multiplex, thickness 25 mm, oiled	22	With cable outlet (left)		
43	System table with 1510 mm superstructure, table leg set to the left and right	18	1800 mm					24	With cable outlet (right and left)		
49	System table with 1510 mm superstructure, mobile	19	1900 mm					26	With cable outlet (right and left) and cable tray „XL“		
With 1910 mm superstructure		20	2000 mm								
50	System table 1910 mm superstructure										
51	System table with 1910 mm superstructure, table leg set to the right										
52	System table with 1910 mm superstructure, table leg set to the left										
53	System table with 1910 mm superstructure, table leg set to the left and right										
59	System table with 1910 mm superstructure, mobile										

* see tabletops from page 1. Note: Do not assemble more than 3 tables in a row if their legs are set back, as this may have a detrimental effect on stability.

SWING Table extension

SWING system table extensions can be joined to the basic tables. The tabletops flow seamlessly together and the table legs in the middle are doubled up (see the image on page 32).

The table extensions also have semi-circular elements to the left and right at the back to allow for cables to be fed through the tabletop. When the basic table and table extension are joined together, a fully round opening is formed, providing the option of feeding through an extension profile too if required.

SWING Table extension: 20-11-16-08-20-00-22

- 1600x800x780 (WxDxH)
- With HPL laminate panel,
  thickness 27 mm with ABS edge banding
- Colour: RAL 7015
- With cable outlets on the left and right

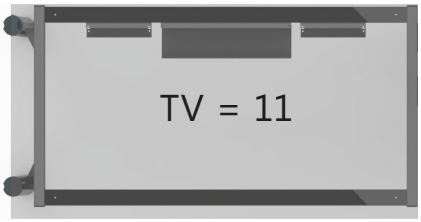


Table extension, left

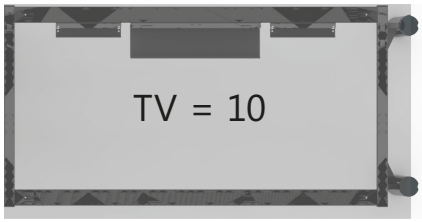


Table extension, right

Front

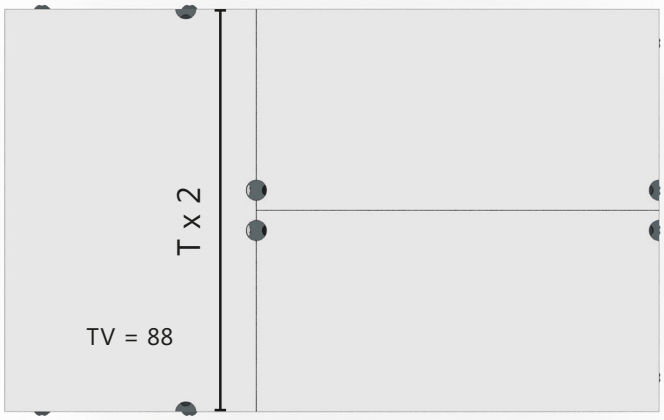
20	-	TV	-	W	-	D	-	PV	-	EV	-	C
SWING Table extension		Table version		Table width		Table depth		Panel version		Equipment variant		Colour

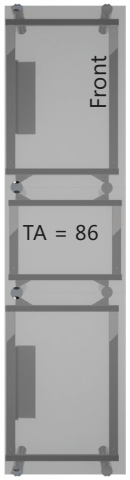
Example of a SWING Table extension order code: 20-00-16-08-20-00-22

TV		W		D		PV*		EV		C	
Basic table extension		**08**	800 mm	**08**	800 mm	**Melamineresin coating (ME)**		**Without additional equiopment**		**Application colour**	
10	Table extension, right	**09**	900 mm	**09**	900 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	**00**	Without additional equipment	**22**	Slate grey (7015)
11	Table extension, left	**10**	1000 mm	**10**	1000 mm	**HPL laminate (RS/SC)**		**Cable flap/calbe tray**		**23**	Distant blue (5023)
15	Table extension right, table leg set to the left	**11**	1100 mm			20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	10	With cable flap		
16	Table extension right, table leg set to the right	**12**	1200 mm			22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	12	With cable flap and cable tray, incl. cable duct		
With 1510 mm superstructure		**13**	1300 mm					14	With cable flap, cable tray and 19“ module rack, incl. cable duct		
60	Table extension, right, with 1510 mm superstructure	**14**	1400 mm					16	With cable flap and cable tray („XL“)		
61	Table extension, left, with 1510 mm superstructure	**15**	1500 mm			**Beech multiplex (MP)**		**Cable outlets**			
62	Table extension, right, with 1510 mm superstructure, table leg set to the left	**16**	1600 mm			30	Beech multiplex, thickness 25 mm, untreated	20	With cable outlet (right)		
63	Table extension, right, with 1510 mm superstructure, table leg set to the right	**17**	1700 mm			32	Beech multiplex, thickness 25 mm, oiled	22	With cable outlet (left)		
With 1910 mm superstructure		**18**	1800 mm					24	With cable outlet (right and left)		
70	Table extension, right, with 1910 mm superstructure	**19**	1900 mm					26	With cable outlet (right and left) and cable tray „XL“		
71	Table extension, left, with 1910 mm superstructure	**20**	2000 mm								
72	Table extension, right, with 1510 mm superstructure, table leg set to the left										
73	Table extension, right, with 1510 mm superstructure, table leg set to the right										

* see tabletops from page 1. Note: Do not assemble more than 3 tables in a row if their legs are set back, as this may have a detrimental effect on stability.

SWING Table joining elements





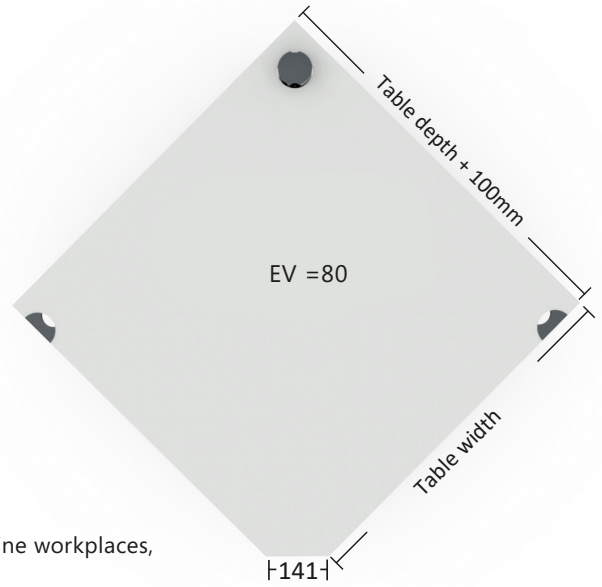
20	-	TV	-	W	-	D	-	PV	-	EV	-	C
SWING Joining elements		**Table version**		**Table width**		**Table depth**		**Platten-ausführung**		**Equipment variant**		**Colour**

Example of a SWING Table joining element order code: 20-86-30-08-10-00-22

TV		W		D		PV*		EV		C	
Joint panel		**30**	300 mm	**08**	800 mm	**Melamineresin coating (ME)**		**Without additional equipment**		**Application colour**	
86	Joint panel for joining two basic tables	**35**	350 mm	**09**	900 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	**00**	Without additional equipment	**22**	Slate grey (7015)
		40	400 mm	**10**	1000 mm	**HPL laminate (RS/SC)**				**23**	Distant blue (5023)
		45	450 mm			20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035				
		50	500 mm			22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035				
		55	550 mm								
		60	600 mm								
		65	650 mm			**Beech multiplex (MP)**					
		70	700 mm			30	Beech multiplex, thickness 25 mm, untreated				
						32	Beech multiplex, thickness 25 mm, oiled				
Compensation panel		**20**	200 mm	**16**	1600 mm	**Melamine resin coating (ME)**		**Without additional equipment**		**Application colour**	
88	Compensation panel for connecting a table at the front of two back-to-back tables			**18**	1800 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	**00**	Without additional equipment	**22**	Slate grey (7015)
				20	2000 mm	**HPL laminate (RS/SC)**				**23**	Distant blue (5023)
						20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035				
						22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035				
						Beech multiplex (MP)					
						30	Beech multiplex, thickness 25 mm, untreated				
						32	Beech multiplex, thickness 25 mm, oiled				

* see tabletops from page 1.

SWING Table corner element



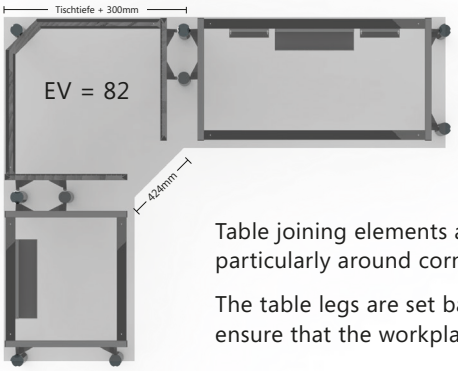


Table joining elements are used to combine workplaces, particularly around corners.

The table legs are set back to the corner element to ensure that the workplace has maximum leg room.

20	-	TV	-	W	-	D	-	PV	-	EV	-	C
SWING Corner element		Table version		Table width		Table depth		Panel version		Equipment variant		Colour

Example of a SWING Table corner element order code: 20-80-00-10-10-00-22

TV		W		D		PV*		EV		C	
Corner element for system table		**00**	Matches the table depth	**08**	800 mm	**Melamineresin coating (ME)**		**Corner variant**		**Application colour**	
80	Corner element			**09**	900 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	**80**	Corner joining element Small „square" (table depth + 100 mm)	**22**	Slate grey (7015)
82	Corner element with 1510 mm superstructure			**10**	1000 mm	**HPL laminate (RS/SC)**		**82**	Corner joining elementLarge „square" (table depth + 300 mm)	**23**	Distant blue (5023)
84	Corner element with 1910 mm superstructure					20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035				
						22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035				
						Beech multiplex (MP)					
						30	Beech multiplex, thickness 25 mm, untreated				
						32	Beech multiplex, thickness 25 mm, oiled				

* see tabletops from page 1.

SWING Application examples

Table: 20-40-18-09-20-12-22

- SWING System table for superstructure
- 1800x900x1510mm (WxDxH)
- HPL laminate panel,
  thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Incl. cable flap and cable tray

Superstructure: 20-40-18-10-22-12-22

- SWING Table superstructure in the form of "slanting" shelf level
- Width 1800 mm
- Assembled high up between profiles
- Slant sontinuously adjustable between 0 and 25 degrees

Table: 20-40-18-10-22-12-22

- SWING System table with superstructure
- 1800x900x1510mm (WxDxH)
- HPL laminate panel, (ESD),
  thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Incl. cable flap and cable tray

Superstructure: 23-40-24-18-10-00-22

- SWING Table superstructure in the form
  of cassette superstructure 3HU
- Width 1800 mm
- Assembled high up between profiles
- Straight front
- Custom equipment fittings possible

Table with superstructure: 24-20-50-20-10-20-21-16-20-00-22

Table: 20-40-18-10-22-12-22

- SWING System table for superstructure
- 2000x1000x1910mm (WxDxH)
- HPL laminate panel,
  thickness 27 mm, with ABS edge banding
- Colour: RAL 7015

Superstructure 1:

- Equipment superstructure 3HU

Superstructure 2:

- SWING Experiment frame with retainer panels

Table left: 20-01-20-08-22-12-22

- SWING System table
- 2000x800x780mm (WxDxH)
- HPL laminate panel, (ESD), thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Incl. cable flap and cable tray

Superstructure left:

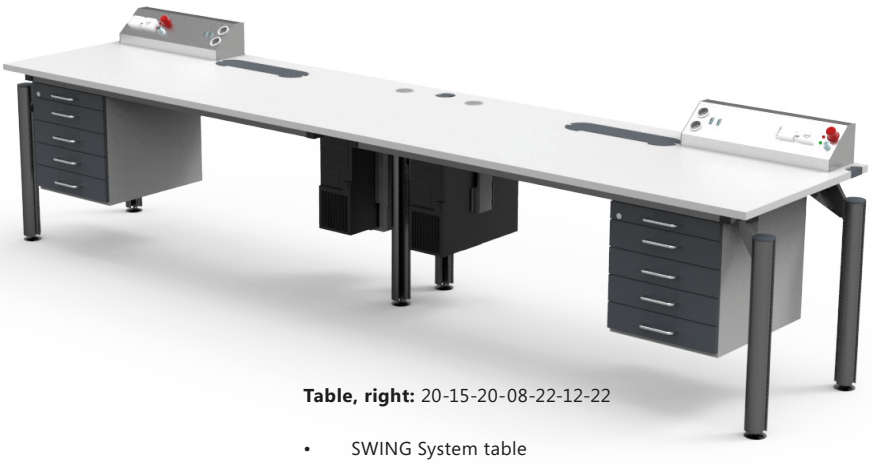
- 5 corner channel
- Custom equipment fittings possible

Base unit, left: 22-01-05-24-05-12

- SWING Base unit, 570 range
- 430x570x468mm (WxDxH)
- 4 x 1HM (4 drawers)
- Full pull-out with pull-out tray at top, cabinet light grey, drawer panels slate grey

Accessories: 119397

- "TopGrip" PC holder



Table, right: 20-15-20-08-22-12-22

- SWING System table
- 2000x800x780mm (WxDxH)
- HPL laminate panel, (ESD), thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Incl. cable flap and cable tray

Superstructure and base unit, right:

- Inverted accordingly

Zubehör: 119397

- „TopGrip" PC holder

Table, left: 20-41-20-08-22-10-22

- SWING System table for superstructure
- 2000x800x1510mm (WxDxH)
- Table leg set back to the right
- HPL laminate panel, (ESD), thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Incl. cable flap and cable tray

Superstructure, left: 23-20-33-20-22-00-22

- SWING Table superstructure in the form of equipment superstructure 3HU
- Width 2000 mm
- Assembled high up between profiles, straight front
- Custom equipment fittings possible

Table corner element: 20-82-00-08-22-82-22

- SWING "large square" Corner element with superstructure
- 1100x1100x1510mm (WxDxH)
- HPL laminate panel, (ESD), thickness 27 mm, with ABS edge banding
- Colour: RAL 7015

Corner element superstructure: 23-60-33-08-22-00-22

- SWING „small square" Corner superstructure 3HU
- 900x900mm (WxD)
- HPL laminate panel, (ESD), thickness 27 mm, with ABS edge banding
- Colour: RAL 7015
- Straight front
- Custom equipment fittings possible

Table, right: 20-42-20-08-22-00-22

- Inverted accordingly

Rolling filing cabinet, right: 22-06-05-24-06-12

- SWING Rolling filing cabinet, 570 range, ESD
- 430x570x468mm (WxDxH)
- 4 x 1HM (4 drawers)
- Full pull-out with pull-out tray at top
- Cabinet light grey, drawer panels slate grey

SWING Superstructure, individual (without table)

Cabinet assembled high up or on tabletop, height of usable area in cabinet either 3HU or 6HU. Superstructures with 19" segments. Depending on the total width of the superstructure, insert panels will be provided to the left and right. The insert panels always have a height of 3HU and they are used for holding safety and switching elements, energy supply components and data outputs in the DH design.

23	-	AP	-	DT	-	W	-	V	-	CD	-	C
SWING table super-structures		Assembly position		Design type		Table width		Version		Cable duct		Colour

Example of a SWING Table superstructure order code: 23-20-12-12-10-00-22

SWING Superstructures, assembled high up between profiles

AP		DT		W		V		CD		C	
Assembled high up between profiles		**Shelving superstructure**		**12**	1200 mm	**Standard**		**Opening for cable duct in superstructure**		**Application colour**	
20	Assembled high up between profiles	**12**	Shelving superstructure (RA), open design	**13**	1300 mm	**10**	Standard	**00**	Without cable duct	**22**	Slate grey (7015)
		13	Shelving superstructure (RA), closed design with roller shutter	**14**	1400 mm	**ESD**				**23**	Distant blue (5023)
		Cassette superstructure		**15**	1500 mm	**22**	ESD				
		24	Cassette superstructure 3HU (AE), straight front	**16**	1600 mm						
		Equipment superstructure		**17**	1700 mm						
		33	Equipment superstructure 3HU (SH)	**18**	1800 mm						
		36	Equipment superstructure 6HU (SH)	**19**	1900 mm						
		Shelf level		**20**	2000 mm						
		58	"slating" shelf level								
		Energy channel									
		70	5-corner channel								
		72	Rectangular channel								

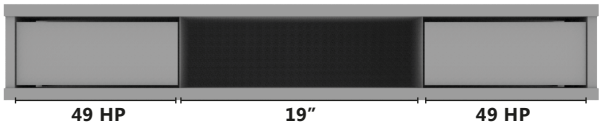
SWING Superstructures assembled on tabletop

AP		DT		W		V		CD		C	
Assembled on tabletop		Cassette superstructure		12	1200 mm	Standard		Opening for cable duct in superstructure		Application colour	
10	Assembled on tabletop	24	Cassette superstructure 3HU (AE), straight front	13	1300 mm	10	Standard	20	Right bottom	22	Slate grey (7015)
		Equipment superstructure		14	1400 mm	ESD		22	Left bottom	23	Distant blue (5023)
		33	Equipment superstructure 3HU (ST)	15	1500 mm	22	ESD	24	Left and right bottom		
		36	Equipment superstructure 6HU (ST)	16	1600 mm			Additionally at energy channel 70/72 possible:			
		Energy channel		17	1700 mm			30	Right rear		
		70	5-corner channel	18	1800 mm			32	Left rear		
		72	Rectangular channel	19	1900 mm			34	Right and left rear		
				20	2000 mm						

HP division for design types 33 and 36

Design types 33 and 36: wood cabinet in light grey RAL 7035.
See image below: 3HU for design type 33; 6HU for design type 36.

Table width B-12



For table width 1200

1 x 19"
2 x 49 HP

W	Left	Middle	Righte
12	49 HP	1 x 19"	49 HP
13	14 HP	2 x 19"	14 HP
14	21 HP	2 x 19"	21 HP
15	35 HP	2 x 19"	35 HP
16	45 HP	2 x 19"	45 HP
17	56 HP	2 x 19"	56 HP
18	14 HP	3 x 19"	14 HP
19	21 HP	3 x 19"	21 HP
20	35 HP	3 x 19"	35 HP

Note: 1 HP = 5.08 mm. All superstructures come with residual panels.

The equipment superstructures 3 HU and 6 HU are used to hold 19" module racks. Depending on the total width of the superstructure, insert panels will be provided to the left and right or just to the right. The insert panels are included in the scope of delivery as standard and always have a height of 3 HU. It is possible to equip the insert panels with supply components, as shown in the section on energy distribution starting on page 109. The relevant dimensions can be found in the table to the left.

HP division for design type 24

Design type 24: wood cabinet light grey RAL 7035.

Table width B-12

For table width 1200

2 x 19"
1 x 14 HP

W	Total width
12	210 HP
13	231 HP
14	252 HP
15	273 HP
16	294 HP
17	308 HP
18	329 HP
19	350 HP
20	371 HP

Note: 1 HP = 5.08 mm. All superstructures come with residual panels.

The cassette superstructures are equipped with a consistent module rack 3 HU, which can be used to hold equipment cassettes/insert panels. The width of the area that can be used will depend on the width of the superstructure. Refer to the table to find out the usable width.

SWING Work table with superstructure

24	-	20	-	TV	-	W	-	D	-	PV
SWING		System table		Table version		Table width		Table depth		Panel version

TV		W		D		PV*	
Basic table		**08**	800 mm	**08**	800 mm	**Melamineresin coating (ME)**	
00	Standard	**09**	900 mm	**09**	900 mm	10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035
01	Table leg set back to the right	**10**	1000 mm	**10**	1000 mm	**HPL laminate (RS/SC)**	
02	Table leg set back to the left	**11**	1100 mm			20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035
03	Table leg set back to the left and right	**12**	1200 mm			22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035
09	Mobile with rollers	**13**	1300 mm				
With 1510 mm profile extension		**14**	1400 mm				
40	With 1510 mm superstructure	**15**	1500 mm			**Beech multiplex (MP)**	
41	With 1510 mm superstructure, table leg set back to the right	**16**	1600 mm			30	Beech multiplex, thickness 25 mm, untreated
42	With 1510 mm superstructure, table leg set back to the left	**17**	1700 mm			32	Beech multiplex, thickness 25 mm, oiled
43	With 1510 mm superstructure 1510 mm, table leg set back to the left and right	**18**	1800 mm				
49	With 1510 mm superstructure, mobile	**19**	1900 mm				
With 1910 mm profile extension		**20**	2000 mm				
50	With 1910 mm superstructure						
51	With 1910 mm superstructure, table leg set back to the right						
52	With 1910 mm superstructure table leg set back to the left						
53	With 1910 mm superstructure, Table leg set back to the left and right						
59	With 1910 mm superstructure, mobile						

* see tabletops from page 1.

Table with superstructure: 24-20-50-20-10-22-21-16-00-00-22

- SWING System table with superstructure
- 2000x1000x1910mm (WxDxH)
- HPL laminate panel,
  thickness 27mm with ABS edge banding
- Colour: RAL 7015
- Equipment superstruture 3HU slanted front

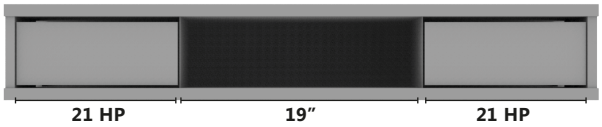
-	DT	-	EF	-	CD	-	EV	-	C
	Design type		**Experiment frame**		**Cable duct**		**Equipment variant**		**Colour**

DT		EF		CD		EV		C	
Superstructure		**Experiment frame with cassette and equipment superstructure: assembled at top; with energy channel: assembled at side**		**Opening for cable duct in superstructure**		**Table equipment**		**Application colour**	
00	Without superstructure	**00**	Not included	**00**	Without	**00**	Without additional equipment	**22**	Slate grey (7015)
Cassette superstructure		**11**	With ex frame, 1 level in profile	**20**	Right bottom	**Cable outlets in front of the superstructure**		**23**	Distant blue (5023)
21	Cassette superstructure 3HU (AE), slanted front	**12**	With ex frame, 2 levels in profile	**22**	Left bottom	**20**	With cable outlet (right)		
24	Cassette superstructure 3HU (AE), straight front	**13**	With ex frame, 3 levels in profile	**24**	Left and right bottom	**22**	With cable outlet (left)		
Equipment superstructure		**15**	With ex frame, 1 level set forward, with side panels	**Additionally at energy channel 70/72 possible:**		**24**	With cable outlet (right and left)		
33	Equipment superstructure 3HU (AB)	**16**	With ex frame, 2 levels set forward, with side panels	**30**	Right rear	**26**	With cable outlet (right and left) and cable tray „XL"		
36	Equipment superstructure 6HU (AB)	**17**	With ex frame, 3 levels set forward, with side panels	**32**	Left rear				
39	Equipment superstructure 3HU (AB), for double workplace, can be equipped on left and right			**34**	Left + right rear				
Energy channel									
70	5-corner channel								
72	Rectangular channel								

HP division for design types 33 and 36

Design types 33 and 36: wood cabinet in light grey (RAL 7035). See image below: design type 33; height doubled for design type 36.

Table depth D-08



For table depth 800

1 x 19"
2 x 21 HP

D	Left	Middle	Right
08	21 HP	1 x 19"	21 HP
09	42 HP	1 x 19"	42 HP
10	56 HP	1 x 19"	56 HP

Note: 1 HP = 5.08 mm. All superstructures come with residual panels.

The equipment superstructures 3 HU and 6 HU (DT = 33 and 36) are fitted with a 19" segment field. The residual space to the depth of the table is connected to the 19" fields on both sides.

The residual panels are included in the scope of delivery and can be replaced by appropriate safety and switching elements (refer to page 107 onwards) as required.

SWING Base units / Rolling filing cabinets

Key Facts

Base units / Rolling filings cabinets

Cabinet	Dowelled and glued, made from finegrade chipboard with melamine resincoating according to DIN EN 14322; DIN EN 14323, closed on all sides
Edges	ABS edge, rounded
Drawers	Steel drawers with grid for typical organisational items, top unit available as pullout for small items
Runners	Metal telescopic runners with ball cage bearing, available as partial/full/over-extension pull-out
Locking system	Central locking with pull-out lock, interchangeable cylinder with 2 folding keys
Handles	Stainless steel
Versions	Base unit or rolling filing cabinet
ESD conductivity	Volume-conductive version according to DIN EN 61340 available (RAL 7035 only)
Castors	Twin castors (50 kg/castor), front castors with locking device
Colours	Single or multiple colour(s)
Test certification	GS mark (Tested Safety)

Technical data for 570 range

Cabinet	
Width	430 mm
Depth	570 mm
Height	Base unit: 468 mm, Rolling filing cabinet: 550 mm
Material	Fine-grade chipboard with melamineresin coating
Thickness	19 mm
Cabinet decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Drawer, 570 depth version	
Dimensions of usuable area	327x490mm (WxD)
Material	Sheet steel
Colour	Black
Version	1HM, 2HM, 3HM; 1HM is around 100 mm
Removable	Yes
Pull-out system	With soft-close system
	Partial pull-out, load 25 kg
	Full pull-out, load 25 kg
	Over-extension pull-out, load 45 kg
Accessories	Orga elements
Panel decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Handles	Stainless steel

Technical data for 770 range

Cabinet	
Width	430 mm
Depth	770 mm
Height	Base unit: 564 mm, Rolling filing cabinet: 646 mm
Material	Fine-grade chipboard with melamineresin coating
Thickness	19 mm
Cabinet decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Drawer, 770 depth version	
Dimensions of usuable area	327x690mm (WxD)
Material	Sheet steel
Colour	Black
Version	1HM, 2HM, 3HM; 1HM is around 100 mm
Removable	Yes
Pull-out system	With soft-close system
	Partial pull-out, load 25 kg
	Full pull-out, load 25 kg
	Over-extension pull-out, load 45 kg
Accessories	Orga elements
Panel decorative colour	RAL 7035 (light grey) or RAL 7015 (slate grey)
Handles	Stainless steel

SWING Base unit with drawers

570 range

22	-	DT	-	D	-	V	-	PO	-	DG
SWING Base units		**Design type**		**Cabinet depth**		**Version**		**Pull-out**		**Design**

Example of a SWING Base unit order code: 22-02-05-22-01-22

DT		D		V		PO		DG	
With drawers		**05**	570 mm	**Panel height division 1HM is around 100 mm**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
01	Base unit			**21**	1 x 1HM, 1 x 3HM (2 drawers) (only for base unit)	**01**	Partial pull-out with locking bezel at top	**10**	All in light grey
02	Rolling filing cabinet					**02**	Full pull-out with locking bezel at top	**12**	Cabinet light grey, drawer panels slate grey
05	ESD Base unit			**22**	2 x 2HM (2 drawers)	**05**	Partial pull-out wiht pull-out tray at top	**14**	Cabinet slate grey, drawer panels light grey
06	ESD Rolling filing cabinet			**23**	2 x 1HM, 1 x 2HM (3 drawers)	**06**	Full pull-out with pull-out tray at top	**16**	All in slate grey
				24	4 x 1HM (4 drawers)				

Different drawer division, colours, pull-outs, handles and dimensions available on request

Drawer height division

External dimensions: 430x570x550mm (WxDxH)

SWING Base units with drawers

770 range

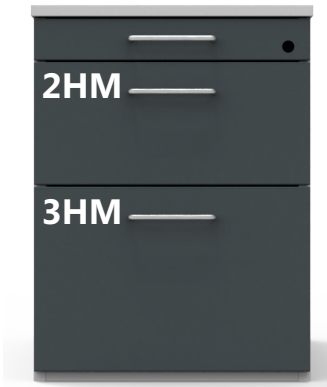
22	-	DT	-	D	-	V	-	PO	-	DG
SWING Base units		Design type		Cabinet depth		Version		Pull-out		Design

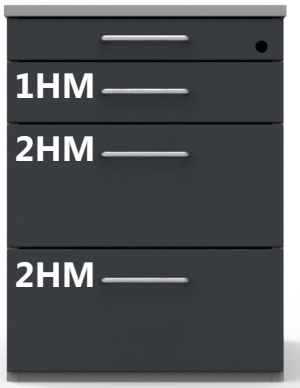
Example of a SWING base unit order code: 22-02-07-31-06-12

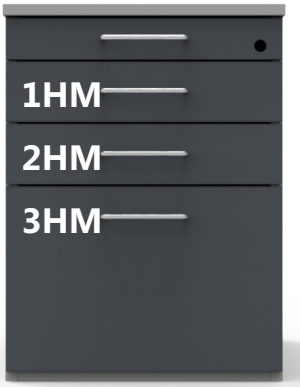
DT		D		V		PO		DG	
With drawers		**07**	770 mm	**Panel height division 1HM is around 100 mm**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
01	Base unit*			**31**	2 x 2HM, 1 x 1HM (3 drawers)	**01**	Partial pull-out with locking bezel at top	**10**	All in light grey
02	Rolling filing cabinet			**32**	1 x 2HM, 1 x 3HM (2 drawers) (only for base unit)	**02**	Full pull-out with locking bezel at top	**12**	Cabinet light grey, drawer panels slate grey
05	ESD Base unit*			**33**	2 x 1HR, 1 x 3HR (3 drawers) (only for base unit)	**03**	Over-extension pull-out with locking bezel at top	**14**	Cabinet slate grey, drawer panels light grey
06	ESD Rolling filing cabinet			**34**	3 x 1HR, 1 x 2HR (4 drawers)	**05**	Partial pull-out wiht pull-out tray at top	**16**	All in slate grey
				35	5 x 1HR (5 drawers)	06	Full pull-out with pull-out tray at top		
						07	Over-extension pull-out with pull-out tray at top		

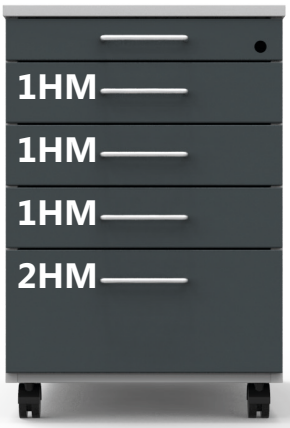
*Only possible with a table depth of 1000 mm. Different drawer division, colours, pull-outs, handles and dimensions available on request.

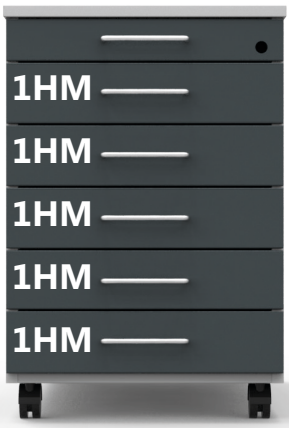
Drawer height divison











External dimensions:
430x770x646mm (WxDxH)

SWING Base unit with door and shelf

DT		D		V		PO		DG	
With doors		**05**	570 mm	**Door hinge**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
11	Base unit	**07**	770 mm (only possible with a table depth of 1000 mm.)	**40**	Open design (without door)	**00**	Not available with pull-out	**10**	All in light grey
12	Rolling filing cabinet			**41**	Door hinge on right			**12**	Cabinet light grey, drawer panels slate grey
15	ESD Base unit			**42**	Door hinge on left			**14**	Cabinet slate grey, drawer panels light grey
16	ESD Rolling filing cabinet							**16**	All in slate grey

SWING 19" Base unit

DT		D		V		PO		DG	
19" Base unit		**07**	770 mm (only possible with a table depth of 1000 mm.)	**Height of usable area**		**Pull-out type**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
30	19" Base unit, permanently assembled			**12**	12 HU (height units)	**00**	Not available with pull-out	**10**	All in light grey
32	19" Mobile base unit							**16**	All in slate grey
34	19" Base unit available as extra (table height 780 mm)"								

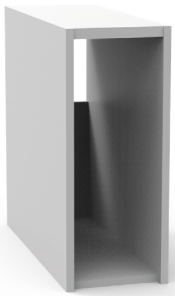
SWING PC Base unit

DT		D		V		EV		DG	
PC Base unit		**06**	650 mm	**Door hinge**		**Equipment**		**Light grey (RAL 7035) Slate grey (RAL 7015)**	
20	PC Base unit			**40**	Open design (without door)	**00**	Without socket	**10**	All in light grey
				41	Door hinge on right	**10**	With socket	**12**	Cabinet light grey, drawer panels slate grey
				42	Door hinge on left			**14**	Cabinet slate grey, drawer panels light grey
								16	All in slate grey

SWING Rolling filing cabinet with door:
22-12-05-41-00-12

PC Base unit:
22-20-06-41-00-10

19“ Base unit:
22-32-07-12-00-10



PC Base unit:
22-20-06-40-00-10

19“ Base unit:
22-30-07-12-00-10

SWING – Didactic

Initial selection

Experiment frame

Within education and training applications, A4 experiment panels (height 297 mm) from a variety of manufacturers are used. The experiment frame or H-shaped profile frame forms the interface between the equipment and these experiment panels. Frames with one or two levels can be combined with a cassette table superstructure, whilst frames with three levels cannot be used with a table superstructure.

26	-	DT	-	AP	-	D	-	V	-	EV	-	C
SWING Didactic		**Design type**		**Assembly position**		**Table depth**		**Version**		**Equipment variant**		**Colour**

Example of a SWING Experiment frame order code: 26-10-18-10-02-00-11

DT		AP		D		V		EV		C	
Experiment frame		**16**	Assembled in profile	**08**	800 mm	**01**	1 level DIN A4	**Without additional equipment**		**Side panels colour**	
10	Experiment frame	**18**	Pre-assembled with side panels	**09**	900 mm	**02**	2 levels DIN A4	**00**	Without additional equipment	**11**	Light grey (7035)
				10	1000 mm	**03**	3 levels DIN A4				
				11	1100 mm						
				12	1200 mm						
				13	1300 mm						
				14	1400 mm						
				15	1500 mm						
				16	1600 mm						
				17	1700 mm						
				18	1800 mm						
				19	1900 mm						
				20	2000 mm						

SWING – Didactic application examples

SWING – Didactic

Initial selection

Test bench

SWING test benches are mobile solutions designed for use within education and training applications. The basic model consists of:

- The basic frame on castors
- The cabinet with three doors, outer segments with shelves and grooved mats for 2 rows of DIN A4 experiment panels and a middle segment with an adjustable shelf
- The left-hand segment with ventilation grilles and an opening for cables that is ideal for setting up a PC
- The doors with vertical handles with a lock underneath them
- The DIN A4 experiment frame with either 2 or 3 rows

26	-	DT	-	V	-	EV	-	C
SWING Didactic		**Design type**		**Version**		**Equipment variant**		**Colour**

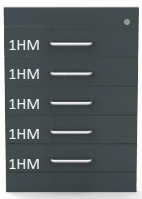
Example of a SWING Didactic order code: 26-20-12-04-2T

DT		V		EV		C	
Design type		**With 3 swing doors**		**Without energy channel**		**Application colour**	
20	Test stand	**10**	3 swing doors 3 shelfs	**00**	Without ex frame	**22**	Slate grey (7015)
		11	3 swing doors 1 extension shelf (double, left) 2 shelfs (mitte, rechts)	**01**	Ex frame, 2 levels in profile	**23**	Distant blue (5023)
		12	3 swing doors 1 extension shelf (double, left) 1 shelf with slotted mats top and bottom (middle) 1 shelf (right)	**02**	Ex frame, 3 levels in profile		
		13	3 swing doors 2 shelfs (right and left) 1 shelf with slotted mats top and bottom (middle)	With 5-corner channel			
		With 2 swing doors and drawers		**03**	Without ex frame		
		20	2 swing doors (left and right) 2 shelfs (left and right) 5 drawers 1HM, partial extension with closing panel at the top	**04**	Ex frame, 2 levels in profile		
		21	2 swing doors (left and right) 1 shelf (right) 1 extension shelf (double, left), full pull-out 5 drawers 1HM, partial extension with closing panel at the top	With rectangular channel			
		22	2 swing doors (left and right) 2 shelfs (left and right) 3 drawers 1HM 1 drawer 2HM, partial extension with closing panel at the top	**05**	Without ex frame		
		23	2 swing doors (left and right) 1 shelf (right) 1 extension shelf (double, left), full pull-out 3 drawers 1HM 1 drawer 2HM, partial extension with closing panel at the top	**06**	Ex frame, 2 levels in profile		
		24	2 swing doors (left and right) 2 shelfs (left and right) 1 drawer 1HM 2 drawers 2HM, partial extension with closing panel at the top				
		25	2 swing doors (left and right) 1 shelf (right) 1 extension shelf (double, left), full pull-out 1 drawer 1HM 2 drawers 2HM, partial extension with closing panel at the top				

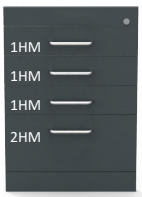
Application example

SWING – Didactic application examples

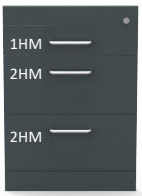
Optional: Drawer in the middle segment (light grey)
(instead of a hinged door/shelf)



5 drawers

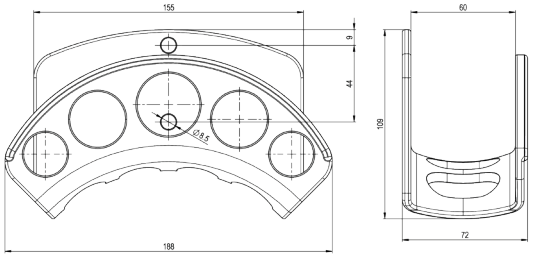


4 drawers



3 drawers

KH 9539 Cable holder



Aluminium: 114280

With two holes for
mounting with M8 bolts

WxDxH: 210x65x125 mm

SWING Laboratory trolley with 4 profiles

24	-	DT	-	W	-	D	-	V	-	EV	-	C
SWING		Design type		Table width		Table depth		Version		Equipment variant		Colour

DT		W		D		V		EV		C	
Design type		**06**	609 mm	**07**	780 mm	**Standard**		**Equipment**		**Application colour**	
03	Laboratory trolley (with 4 profiles)					**10**	Standard	**00**	Height 790 mm without additional equipment	**22**	Slate grey (7015)
						ESD		**01**	Height 790 mm with 1 additional shelf	**23**	Distant blue (5023)
						22	ESD	**02**	Height 790 mm with 1 additional shelf and drawer		
								05	Height 1615 mm with 2 additional shelfs		
								06	Height 1615 mm with 3 additional shelfs		
								07	Height 1615 mm with 2 additional shelfs and drawers		

SWING Mobil with 2 profiles

25	-	DT	-	W	-	D	-	V	-	EV	-	C
SWING Mobil		Design type		Table width		Table depth		Version		Equipment variant		Colour

Example of a SWING Mobil with 2 profiles order code: 25-04-06-05-10-02-23

DT		W		D		V		EV		C	
Design type		**06**	609 mm	**05**	565 mm	**Standard**		**Equipment**		**Application colour**	
04	Mobil (with 2 profiles)					**10**	Standard	**00**	Without additional equipment	**22**	Slate grey (7015)
						ESD		**01**	Height 825 mm with 1 additional shelf	**23**	Distant blue (5023)
						22	ESD	**02**	Height 825 mm with 1 additional shelf and drawer		
								03	Height 825 mm with 2 additional shelfs		
								05	Height 1650 mm with 3 additional shelfs		
								06	Height 1650 mm with 3 additional shelfs and drawers		
								07	Height 1650 mm with 1 additional shelf and 19" cabinet 9HU		

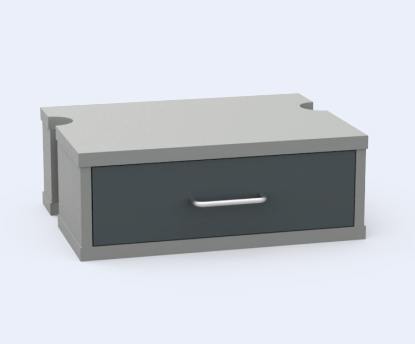
SWING – Mobil

The products in our Mobil range are part of a modular system. You can add shelves, drawers, base units, 19" cabinets and cable holders to the two basic units in line with your requirements. Four generously dimensioned castors (diameter 100 mm) – two of which have locking devices – ensure mobility.
The basic units all come with a bottom shelf and two cable connectors.

The mobil products can also be used effectively as mobile measuring line and cable stations. In this case, the SM 1850 basic unit will usually be custom-fitted with cable trays and holders. A base unit from our 500 range can come in handy if lots of extra storage space is required and there are plenty of different variants to choose from.

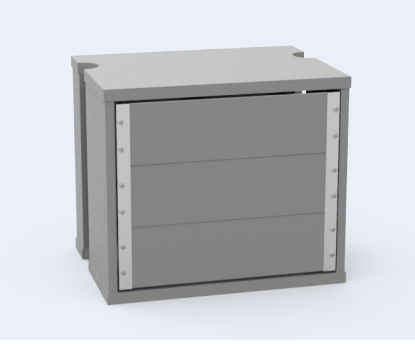
Application examples

SM 1864 Drawers for accessories



- HA301679
- HA301680

SM 1867 19" cabinet 9HU

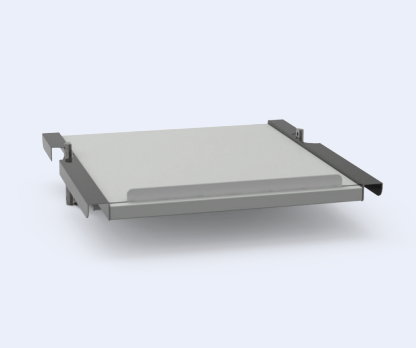


- (3 x 3HU) including profile bars for mounting module racks

- SM 1867 RS: HA601008
- SM 1867 SC: HA601008

Front panels not included in scope of delivery

SM 1860 Shelf, for width 609 mm



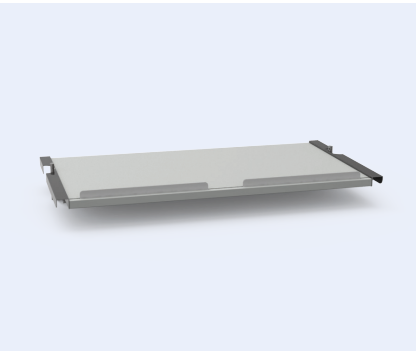
This shelf offers ample space, with the area that can be used measuring 460 mm in width and 515 mm in depth. It can be assembled at any height within the Mobil unit and has a continuously adjustable slant of between 0 and 25°. The units come with cable connectors at the front and back as standard.

SM 1860 RS: HA601003

SM 1860 SC: HA601003

width: 609 mm

SM 1862 Shelf, for width 1117 mm



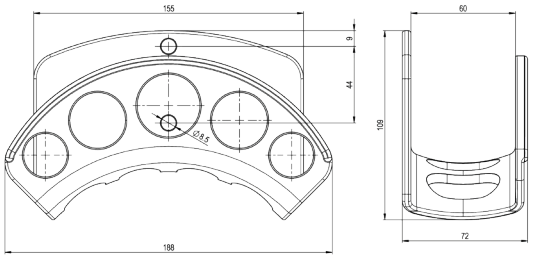
ESD: SM 1862 ESD

SM 1862 RS: HA601005

SM 1862 SC: HA601005

width: 1117 mm

KH 9539 Cable holder



Aluminium: 114280

With two holes for mounting with M8 bolts

WxDxH: 210x65x125 mm

Accessories

Accessories

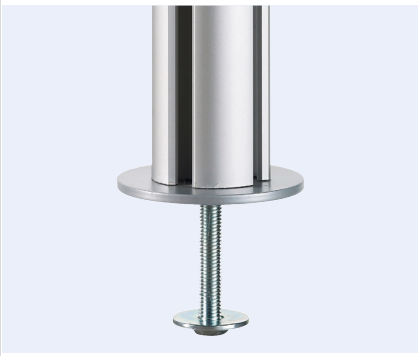
- Desk accessories, e. g. monitor pivoting arm, keyboard holder etc. also in ESD variants
- Organisational items, e. g. suspension file frame, slanted trays or initial fitting
- Electrial connections and networking e. g. power outlet strip, cable flap, module rack...

TS 9702 Column with pedestal

- Supporting column, 445 mm
- Chrome-plated
- For one support carriage
- With solid pedestal and rubber feet

101110

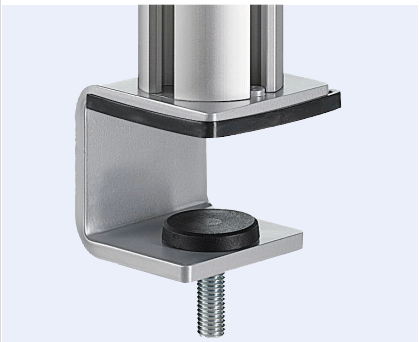
TS 9704 Column with screw connection



- Supporting column, 445 mm
- Chrome-plated
- For one support carriage
- With solid pedestal and rubber feet
- Incl. fastening material

101109

TS 9705 Column with screw clamp



- Supporting column, 445 mm
- Chrome-plated
- For one support carriage
- With solid pedestal and rubber feet
- With system clamp (14–40 mm clamping area) and 2 cable clips
- For max. 2 carrier elements

113504

MT 9706 Monitor rail

- Range: approx. 105 mm
- Mounting with BS-MFK-Alu (Art. No. 132924)

101103

MF 9705 Monitor pivoting arm

- Continuously adjustable in all directions
- Range: approx. 450 mm
- Mounting with BS-MFK-Alu (Art. No. 132924)

101104

MF 9707 Monitor pivoting arm

- Continuously adjustable in all directions
- Range: approx. 505 mm
- Mounting with BS-MFK-Alu (Art. No. 132924)

101105

BS-MF... Mounting kit for monitor pivoting arm MF 9705, MT 9706 und MF 9707

- To mount with the double pipe AT2829SP

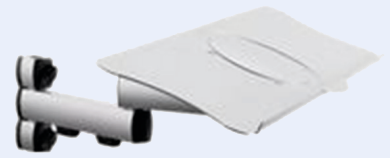
Art. No.	Name	For monitor pivoting arm	Length
132924	BS-MFK-Alu	MF 9705 MT 9706	181 mm
132925	BS-MFL-Alu	MF 9707	263 mm

TSS-Lift Tec-Arm Monitor pivoting arm for varifocals carrier

- 1 piece monitor support arm with gas spring for comfortable, ergonomic adjustment of the monitor
- Flexible 3 in 1 mounting (ferrule, cable hole and drilling screw fitting)
- Attachment directly to the tabletop possible
- Range: 365 mm

401083

TA 9708 TSS Rotating shelf



- Rotating shelf
- 640 x 172 mm
- Chamfered at front
- Range: 528 m
- Max. load: approx. 10 kg

HA601935

HA602969 Adapter for shelf

SA 9709 TSS Rotating shelf

- Rotating shelf
- 400 x 288 mm
- With adjusting levers at the front
- Range: 589 mm
- Load: approx. 10 kg

HA601821

HA602969 Adapter for shelf

Keyboard holder

- Keyboard holder for assembly between VESA bracket and monitor
- Holder surface approx. 640 x 172 mm

119017

ABH-1 Tool/beverage holder

- Suitable for holding bottles, square beverage containers, tools etc.

100077

TH 9712 Tablet holder

- Holder for tablets measuring 7 to 10 inches (clamping space of 160 to 300 mm)
- The tablet can either be inserted so that it is flat or at a slant
- For attaching to the MT 9706 monitor support carriage or MF 9705 and MF 9707 monitor pivoting arms

117381

PC-Halter "TopGrip" PC holder

- PC holder for assembly underneath the table
- Max. load: 20 kg
- Max. dimensions (WxDxH): 335 x 205 x 635 mm

119397

EB 5700 SC Earthing device (ESD accessories)

- Earthing device for insertion into socket
- With 3 x DK 10 snap terminals.

HA601712

VL 5703 SC Connection line (ESD accessories)

- Connection line, 3 m,
- DK 10 snap terminal on either side
- Resistance: 1 MΩ.

HA602085

DK 10 Snap (ESD accessories)

- Single snap for riveting or screwing

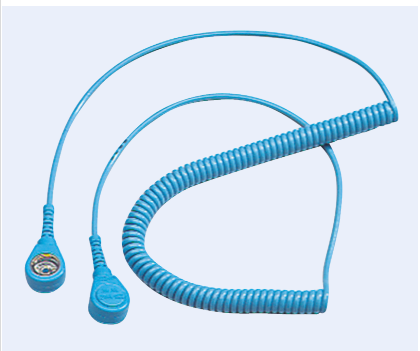
HA602092

HB 5706 SC Wrist band (ESD accessories)

- Made of special elastic anti-allergic fabric
- Adjustable
- DK 4 snap terminal.

112750

SK 5708 SC Spiral cable (ESD accessories)



- Spiral cable
- 1.80 m in length
- DK 10 snap terminal on one side and DK 4 for wrist band on the other
- Resistance: 1 MΩ

HA602093

MS 29... Initial fitting

We have put together sample sets of organisational items so you can try different options out.
The sample sets include vertical bars, A5 and A6 dividers and a range of material trays.

Art. No. HA600798 name MS 2910: small sample set

The set consists of the following parts:

- 6 x partition bars
- 4 x A5 dividers
- 4 x A6 dividers
- 4 x A7 dividers

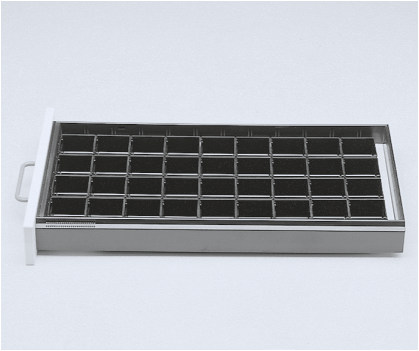
Art. No. HA600799 name MS 2911: large sample set

The set consists of the following parts:

- 10 x partition bars
- 6 x A5 dividers
- 6 x A6 dividers
- 6 x A7 dividers

Sample layout sample set:

SK 2917 Small parts kit



- For the orderly accommodation of components and patterns.
- Each small parts box is individually removable
- Slipping in the thrust excluded
- Dimensions: 75x46x75mm (WxHxD)
- Quantity: 36 pieces in the drawer
- Delivery: complete set incl. sill covers and telescopic full extension for the relevant drawer

Spaces for notes

Electrical connections and networking

The SWING systems come with a vertical and horizontal cable duct as standard.

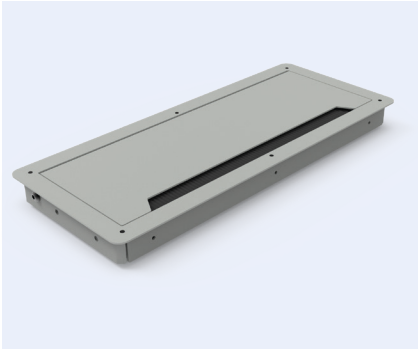
Horizontal:

Cable supports/cable trays can also be installed so that they are concealed by the back crossbar. The central cable support is the ideal size for a standard power outlet strip to be inserted. Gaps between the cable supports allow for cables to be fed to equipment underneath the table (PC tower etc.).

Power outlet strip

Power outlet strip		without lead	2 m lead with plug	inserted/installed and connected to safety and switching element
	**Power outlet strip with 6 sockets** For insertion into a large cable tray (WK 1915)			
	with mains switch	-	101161	-
	without mains switch	-	101162	HA600992

Cable flap



- Fully assembled
- If no further information is provided, the flap will be assembled in the middle of the table at the back
- Colour: light grey

HA204062

KD 191... Opening for cables

- 3 piece set
- Drilling diameter 60 mm
- Inner diameter 54 mm for shockproof plug
- Either completely incl. cut-out and assembly or loose for on-site self-assembly

Fully assembled:
HA600496

Loose for self-assembly:
HA600497

19" module rack frame

- Incl. adapter and mounting material
- For assembly in WK 1915 cable tray

HA100158

WK 1-... Cable flap/cable tray

- Fully assembled
- Only compatible with BASIS and SWING
- If no further information is provided, the tray will be assembled in the middle of the table at the back

Art. No.	Name	Length
HA203119	WK 1-600	670 mm
HA203210	WK 1-1000	1070 mm

Lighting of industrial workplaces

Lighting of industrial workplaces

The lighting of industrial workplaces must satisfy many requirements and must consider the safety and health of workers. Providing the right light the employees' concentration and the work quality increase.

Proved in numerous studies, a good lighting of industrial workplaces ensure better motivation and high commitment. The employees stay mentally fit and feel less tired. The increased concentration capability leads to a better work quality, errors are reduced and the risk of industrial accidents is reduced.

Important parameters / units

Illuminance::

- Illuminance, measured in LUX (lx) is the luminous flux from a light source falling on a surface of one square metre.

  Emax@1m = 100 lx is where an area of one square metre is uniformly illuminated by 100 lumen of luminous flux.

Colour temperature:

- Indicates in degrees Kelvin, if the light source emits warm white light or cold white light. Warm white light: less than 3300 K (e. g. 60 Watt light bulb: 2700 K), cold white ligth: more than 5000 K (e. g. sunlight).
- Between 3300 K and 5000 K light is called neutral white.

Colour rendering index (Ra):

- Shows how the light reproduces the colours (perfect colour reproduction: Ra=100).
- Light bulbs reach about 100, energy-saving lamps 50-90 and LEDs up to 97. The colour rendering index in the EU shall be at least 80 within the EU.

UGR (Unified glare rating):

- The unified glare rating method evaluates the glare produced by the entire lighting system and is uniformly defined worldwide.
- For different applications maximum values apply, for office workspaces the UGR may not be more than 19.

Luminance (L):

- Luminance is the brightness of an illuminated or luminous surface as perceived by the human eye and is measured in candelas per unit area /cd/m2).
- This has an effect on visual performance and visual comfort.
- An increase in the luminance improves the visual acuity, contrast sensitivity and and improves the eye function.

Uniformity of illuminance (Uo):

- The uniformity of illuminance within a defined area is calculated by dividing Emin/Em of the minimum and average illuminance.

The BEEWATEC LED supports the visual performance at industrial workplaces

DIN EN 12464-1 makes a distinction between the area in which the visual task is carried out at a workplace and the area immediately surrounding it. What kind of ligthing system is installed primarily depends on the room height and the visual task performed by the workplace.

Concentrating lighting on the area where work is performed can reduce investment and energy costs, but it carries the risk of inferior lighting quality. This may be the case, for example, if the area where work is performed and less brightly illuminted surrounding areas lie so close together that the luminance distribution in the visual field is not well-balanced. The visual task area must be determined carefully.

If additional lighting is needed at individual workplaces, workplace lamps can be used. Higher levels of illuminance when working with small components or during check-operations are rarely illuminated spatially, but almost always with additional workplace lamps, this light is related to the visual task area.

Recommended DIN EN 12464-1 brightness levels for industrial workspaces

Area of activity	Em (lx):	UGR:	Uo:	Ra:
Assembly work	300	25	0.60	>80
Assembly work with average details	500	22	0.60	>80
Assembly work with fine details	750	19	0.60	>80
Assembly work with very fine details	1000	16	0.70	>80
Electronics workshop, testing, adjustment	1500	16	0.70	>80

Energy-efficient light

Additionally to the quality of a lighting system you have to take into account its economic efficiency. Lamps with high illuminance, electronic control gear, integrating available daylight and light management ensure energyefficient light production and reduce CO2 emission.

Saving costs by using LED technology

Replacing old plants by modern, state-of-the-art lighting technology will save money after a short amortization period: the older the system to be replaced is, the higher the energy saving and the cost saving will be.

Improve work quality

When surfaces are checked for defects and irregularities, the human eye has an unmatched ability despite of intelligent machines, but optimum environmental conditions are required.

The right light in the right amount at the right place and time is essential.

Light control with the turn function

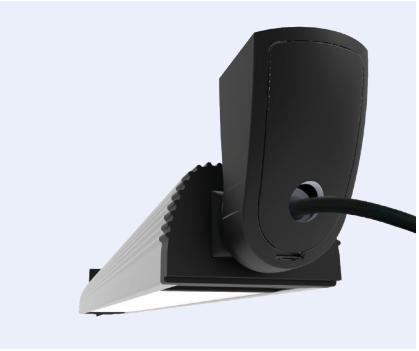
The pivotable BEEWATEC LED workplace lamps are specifically tailored to the demanding visual tasks in a laboratory, at assembly workstations and at workplaces in the electronics production. With a turn function (180°) the light can be pointed to a specific area of activity of the workplace.

BEEWATEC LED

- High durability; homogeneous and ergonomic light
- Energy saving
- Robust aluminium housing
- Rotatable light - the lighting demand can be oriented to the work requirements
- With different connecting and mounting options
- For detailed data sheets please see BeeWaTec.de/light

BEEWATECLED
Feel the light, BEE the light

Connecting options

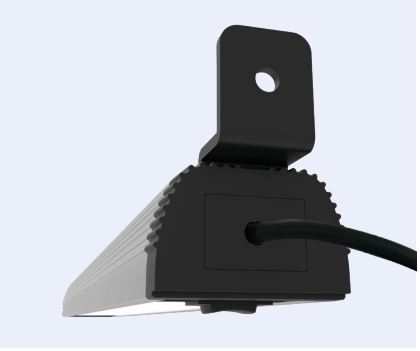


230 volt direct connection via shockproof plug

Versions:

- BEEWATEC LED SE fixed
- BEEWATEC LED
- BEEWATEC LED SlimLED with plug-in power supply (included)

Mounting options



Fixed on one side. Lateral assembly on aluminium profiles

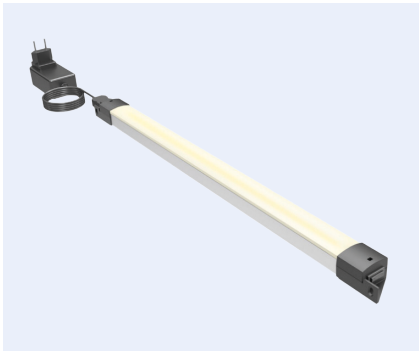
Versions:

- BEEWATEC LED SE lateral

Protection against electrostatic discharge

Versions:

- BEEWATEC LED SE fixed / lateral
- BEEWATEC LED SE rotatable / AC



Integrated fixed mounting brackets for easy attachment.

Versions:

- BEEWATEC LED SlimLED

BEEWATEC LED SE rotable

- Rotatable light
- External control unit with on/off switch
- Saves the last brightness set
- External dimmbale via Dimmbox
- Connecting cable 3 m to dim unit and 1,5 m connection cable to shockproof plug

Art. No.	Name	ESD	Operating mode	Power	Current	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
131717	BEEWATEC LED SE rotatable 1140		230 V~	13 Ww	0,08 A	4000 K	1331 lm	557 Lux from distance 1 m	535x51x51mm	0,95 kg	I/IP30
402210	BEEWATEC LED SE rotatable 1140 ESD	ESD									
131718	BEEWATEC LED SE rotatable 3140			21 W	0,1 A		2158 lm	903 Lux from distance 1 m	661x51x51mm	1,15 kg	
402211	BEEWATEC LED SE rotatable 3140 ESD	ESD									
131719	BEEWATEC LED SE rotatable 4140			32 W	0,15 A		3368 lm	1409 Lux from distance 1 m	976x51x51mm	1,54 kg	
402212	BEEWATEC LED SE rotatable 4140 ESD	ESD									
130124	BEEWATEC LED SE rotatable 5140			40 W	0,2 A		4400 lm	1841 Lux from distance 1 m	1171x51x51mm	2 kg	
402213	BEEWATEC LED SE rotatable 5140 ESD	ESD									

BEEWATEC FlexLED... Adjustable arm light for interior use

- Flexible LED workstation light to direct the light
- Simple mounting via table clamp
- Very high service life
- Saves the last brightness set
- Via multi-function switch
- Via power supply unit

Art. No.	Name	Operating mode	Power	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
402160	BEEWATEC FlexLED 1740	220...240 V (AC)	17 W	4000 K	1510 lm	2480 Lux from distance 0,5 m	1070x52x550mm	1,66 kg	I/IP30
402223	BEEWATEC FlexLED 1757			5700 K				1,66 kg	

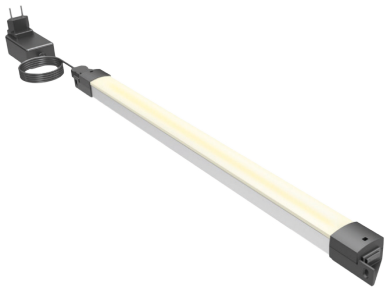
BEEWATEC WorkLED SE Duo... Daylight lamp

- LED workplace lights
- Integrated control gear
- Very high service life (about 50.000 hours)
- Saves the last brightness set
- Via multifunction push-button

Art. no	Name	Operating mode	Power	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
402026	BEEWATEC WorkLED SE Duo 3040	230 V~	42 W	2700 ... 6500 K	4518 lm	1847 Lux from distance 1 m	614x121x42,5mm	1,37 kg	I/IP30
402027	BEEWATEC WorkLED SE Duo 4040		63 W		6968 lm	2848 Lux from distance 1 m	900x121x42,5mm	1,88 kg	

Features Dimmable Connector

BEEWATEC LED SlimLED



- Simple and bright LED workplace light
- Slim light housing made of aluminium
- Plastic caps with integrated screw-on bracket
- Dimmable via the button on the light
- Connection cable 4m with separate plug-in power supply unit (included)

Art. No.	Name	Operating mode	Power	Current	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
403605	BEEWATEC LED SlimLED 0840	230V~/24V DC	23 W	0,15 A	4100 K	2273 lm	923 Lux from distance 1 m	889 x 32 x 26 mm	0,344 kg	III/IP20
403606	BEEWATEC LED SlimLED 1040		29 W	0,15 A		2845 lm	1139 Lux from distance 1 m	1089 x 32 x 26 mm	0,420 kg	

BEEWATEC LED SE rotable

- Rotatable light and long service life (about 50.000 hours)
- Integrated operating unit
- Saves the last brightness set
- Via multifunction push-button
- Connection cable 4 m with shockproof plug

Art. No.	Name	ESD	Operating mode	Power	Current	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
130065	BEEWATEC LED SE rotatable 1040		230 V~	13 W	0,08 A	4000 K	1331 lm	557 Lux from distance 1 m	535x51x51mm	0,83 kg	I/IP30
130067	BEEWATEC LED SE rotatable 1040 ELF	⚠					954 lm	557 Lux from distance 1 m			
130069	BEEWATEC LED SE rotatable 3040			21 W	0,1 A		2158 lm	903 Lux from distance 1 m	661x51x51mm	0,95 kg	
130070	BEEWATEC LED SE rotatable 3040 ELF	⚠					1547 lm	861 Lux from distance 1 m			
130071	BEEWATEC LED SE rotatable 4040			32 W	0,15 A		3368 lm	1409 Lux from distance 1 m	976x51x51mm	1,24 kg	
130072	BEEWATEC LED SE rotatable 4040 ELF	⚠					2415 lm	1345 Lux from distance 1 m			
130073	BEEWATEC LED SE rotatable 5040			40 W	0,2 A		4400 lm	1841 Lux im Abstand 1 m	1171x51x51mm	1,42 kg	
130074	BEEWATEC LED SE rotatable 5040 ELF	⚠					3156 lm	1756 Lux im Abstand 1 m			

BEEWATEC LED SE lateral

- Rotatable light and long service life (about 50.000 hours)
- Integrated operating unit
- Saves the last brightness set
- Via multifunction push-button
- Connection cable 4 m with shockproof plug

Art. No.	Name	ESD	Operating mode	Power	Current	Colour temperature	Luminoux lux	Illumination	Dimensions (LxWxH)	Weight	Protection class
130083	BEEWATEC LED SE lateral 1040		230 V~	13 W	0,08 A	4000 K	1331 lm	557 Lux from distance 1 m	465x51x65mm	0,64 kg	I/IP30
130085	BEEWATEC LED SE lateral 1040 ELF	⚠					954 lm	531 Lux from distance 1 m			

Features Dimmable Connector

Energy supply and equipment technology

Tried-and-tested technology with a modern twist

No, we haven't reinvented the wheel.
As providers of equipment for electrical laboratories, we offer our customers a wide basic range of energy supplies and equipment technology.

We supply sophisticated technology you can rely on at excellent value for money and in a modern design.

Design and function

Energy supplies:

Maximum functionality. Exceptional quality. Unique design. Tried-and-tested technology with a modern twist.

Here at BeeWaTec, we have given the energy supply technology we have relied upon over the years a bit of a makeover to bring the design up to date.

Power devices:

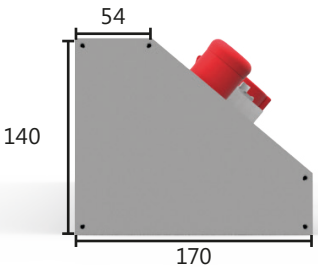
Energy channels

The BeeWaTec equipment range has been designed as a modular system.

The position in which equipment can be installed will depend greatly on the type of equipment selected and information on this can be found in the equipment description. The available options are listed below.

5-corner channel

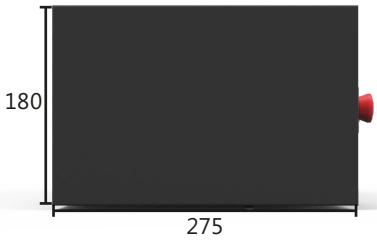
The 5-corner energy channel can be used for a small energy supply. The aluminium profile comes in standard lengths ranging from 400 to 2000 mm (with custom lengths available on request) and can be fitted as required.



- Stable and elegant aluminium extrusion profile
- Installation position as required (horizontal, vertical, suspended)
- Option to fit with all current 3 HU front panels
- Elegant design, with main body with ribbed anodised aluminium finish
- Anodised aluminium front panels, size 3 HU, horizontal pitch in HP
- Customer-specific channel length

Rectangular channel

The rectangular channel can be used for an energy supply and 3 HU equipment technology. The channel comes in standard lengths ranging from 400 to 2000 mm (with custom lengths available on request) and can be fitted as required.



- Elegant design, with rectangular main body with anodised aluminium finish and wooden sides in slate grey
- Anodised aluminium front panels, size 3 HU, horizontal pitch in HP
- Customer-specific channel length
- Option to integrate energy supplies and 3 HU equipment technology (choice of equipment to be based on equipment description)

19" equipment technology

The BeeWaTec equipment range has been designed as a modular system based on 19“ technology.Some smaller pieces of equipment are provided in the form of cassette technology, whilst bigger equipment goes straight in the module rack. For large equipment, the width is 19“ as standard and the height is 3 HU or 6 HU. Refer to the equipment description to find out if it is suitable for this type of installation.

Integration into wooden cabinet 3 HU or 6 HU.

Standalone

All pieces of equipment are also available in standalone tabletop versions on request.

Safety and switching elements

Key Facts

Voltage	D	Three-phase current, 400 V	
	W	Alternating current 230 V	
SWITCHING ON/OFF	ST	Key-operated button – key-protected reclosing	• A key-operated button (e.g. instructor) is used for switching ON; the key can be removed. • A push button is used for switching OFF. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance. • Switching back on is only possible using the key-operated button (e.g. instructor).
	TA	Push button – simple reclosing	• A push button (green) is used for switching ON. • A push button (red) is used for switching OFF. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance. • Switching back on is possible using the push button.
	KT	Toggle button – simple reclosing	• A toggle button is used for switching ON. • A push button (red) is used for switching OFF. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance • Switching back on is possible using the toggle button.
	SS	Key switch – key protected switching	• A key switch is used for switching on (e.g. instructor). • The key can be removed when in both the ON and OFF positions. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance. • Unlike the „key-operated button" option, switching back on is even possible with this variant when the key has been removed. Switching back on takes place directly at the motor protection switch
	KS	Toggle switch – simple switching	• A toggle switch (locking) is used for switching on. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance. • Switching back on takes place directly at the motor protection switch.
	00	No switch	• Switching on takes place directly at the motor protection switch. • The voltage supply can be disconnected via an EMERGENCY STOP switch. Alongside this EMERGENCY STOP switch, we also provide a potential-free break contact that can be incorporated into a room's emergency stop system, for instance • Switching back on takes place directly at the motor protection switch.

VERSION	1	Motor protection switch with undervoltage trip device	• Equipment and the energy distribution provided are protectedby an adjustable motor protection switch. • This is also used to switch motors on and off, protecting them against short circuits, thermal overloading and phase loss. • In order to guarantee reliable protection in an EMERGENCY STOP situation, motor protection switches are installed in combination with undervoltage trip devices. • Additional circuit breakers are also included to protect the earthed sockets.
	2	Circuit breaker and contactor	• Equipment and the energy distribution provided are protected by a circuit breaker (LS). • This provides protection against overloading (thermal) and short circuits (electromagnetic). • In order to guarantee reliable protection by the contactor in an EMERGENCY STOP situation, the energy channel needs to be checked for short circuits before switching on.
CONNECTED VALUE	10	Circuit breaker B10 A	• For operation of earthed sockets with max. current of 10 A (e.g. Swiss standard) • Connection terminals up to max. 4 mm² are available
	16	Circuit breaker B16 A	• Connected value 16 A • Connection terminals up to max. 4 mm² are available
	25	Circuit breaker B25 A	• For the use of greater loads up to 25 A • The earthed sockets are protected separately with B16A • Connection terminals up to max. 4 mm² are available
	32	Circuit breaker B32 A	• For the use of greater loads up to 32 A (e.g. CEE sockets, 32 A) • The earthed sockets are protected separately with B16A • Connection terminals up to max. 6 mm² are available
RCD Residual-current device	A	Residual-current device type A	• Type A includes standard residual-current devices that are sensitive to pulsed current. This type detects purely sinusoidal alternating currents as well as pulsed direct residual currents. • RCD type A: According to DIN VDE 0100-410, sockets must be provided with additional protection in the form of a residual-current device (RCD IΔN 30 mA type A).
	B	Residual-current device type B	• Type B residual-current devices are sensitive to all currents. They detect smooth direct residual currents well as alternating currents. • RCD type B: According to DIN VDE 0100-723, training rooms containing experiment equipment must be provided with additional protection in the form of a residual-current device (RCD IΔN 30 mA type B).
Only for 230 V type A!	10mA	Rated residual current	• Rated residual current 10mA
	30mA	Rated residual current	• Rated residual current 30mA

Safety and switching elements

Identification key for safety and switching elements

D	ST	2	16	B30
Voltage	**Switching on/off**	**Version**	**Connected value**	**Residual-current device**

Three-phase current

	Voltage		Switching on/off						Version		Connected value				RCD		mA		HP
	D	W	ST	TA	KT	SS	KS	00	1	2	10	16	25	32	A	B	10	30	
	D					SS			1		10				A			30	49
	D					SS			1		10					B		30	49
	D					SS			1			16			A			30	49
	D					SS			1			16				B		30	49
	D		ST							2	10				A			30	56
	D		ST							2	10					B		30	56
	D		ST							2		16			A			30	56
	D		ST							2		16				B		30	56
	D		ST							2			25		A			30	56
	D		ST							2			25			B		30	56
	D		ST							2				32	A			30	56
	D		ST							2				32		B		30	56
	D							00	1		10				A			30	49
	D							00	1		10					B		30	49
	D							00	1			16			A			30	49
	D							00	1			16				B		30	49
	D			TA						2	10				A			30	56
	D			TA						2	10					B		30	56
	D			TA						2		16			A			30	56
	D			TA						2		16				B		30	56
	D			TA						2			25		A			30	56
	D			TA						2			25			B		30	56
	D			TA						2				32	A			30	56
	D			TA						2				32		B		30	56
	D						KS		1		10				A			30	49
	D						KS		1		10					B		30	49
	D						KS		1			16			A			30	49
	D						KS		1			16				B		30	49
	D				KT					2	10				A			30	56
	D				KT					2	10					B		30	56
	D				KT					2		16			A			30	56
	D				KT					2		16				B		30	56
	D				KT					2			25		A			30	56
	D				KT					2			25			B		30	56
	D				KT					2				32	A			30	56
	D				KT					2				32		B		30	56

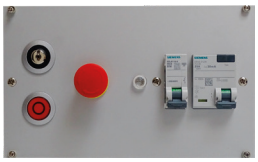
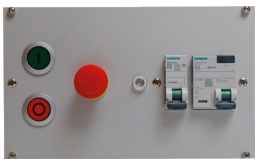
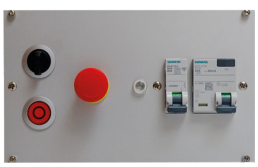
D = Three-phase current 400V | **W** = Alternating current 230V || **ST** = Key-operated button | **00** = No switch | **TA** = On/off push button | **KT** = Toggle button | **SS** = Key switch | **KS** = Toggle switch || **1** = Motor protection switch with undervoltage trip device | **2** = Circuit breaker and contactor || **16** = Circuit breaker B16A | **25** = Circuit breaker B25A | **32** = Circuit breaker B32A | **10** = Circuit breaker B10A || **A** = Residual-current device type A | **B** = Residual-current device type B || **10** = 10mA | **30** = 30mA

Note: With version 2, short circuits are not possible whilst switching on

Identification key for safety and switching elements

D	ST	2	16	B30
Voltage	**Switching on/off**	**Version**	**Connected value**	**Residual-current device**

Alternating current

	Voltage		Switching on/off						Version		Connected value				RCD		mA		HP
	D	W	ST	TA	KT	SS	KS	00	1	2	10	16	25	32	A	B	10	30	
		W				SS			1		10				A		10		42
		W				SS			1		10				A			30	42
		W				SS			1		10					B		30	49
		W				SS			1			16			A		10		42
		W				SS			1			16			A			30	42
		W				SS			1			16				B		30	49
		W	ST							2	10				A		10		42
		W	ST							2	10				A			30	42
		W	ST							2	10					B		30	49
		W	ST							2		16			A		10		42
		W	ST							2		16			A			30	42
		W	ST							2		16				B		30	49
		W						00	1		10				A		10		42
		W						00	1		10				A			30	42
		W						00	1		10					B		30	49
		W						00	1			16			A		10		42
		W						00	1			16			A			30	42
		W						00	1			16				B		30	49
		W		TA						2	10				A		10		42
		W		TA						2	10				A			30	42
		W		TA						2	10					B		30	49
		W		TA						2		16			A		10		42
		W		TA						2		16			A			30	42
		W		TA						2		16				B		30	49
		W					KS		1		10				A		10		42
		W					KS		1		10				A			30	42
		W					KS		1		10					B		30	49
		W					KS		1			16			A		10		42
		W					KS		1			16			A			30	42
		W					KS		1			16				B		30	49
		W			KT					2	10				A		10		42
		W			KT					2	10				A			30	42
		W			KT					2	10					B		30	49
		W			KT					2		16			A		10		42
		W			KT					2		16			A			30	42
		W			KT					2		16				B		30	49

D = Three-phase current 400V | **W** = Alternating current 230V || **ST** = Key-operated button | **00** = No switch | **TA** = On/off push button | **KT** = Toggle button | **SS** = Key switch | **KS** = Toggle switch || **1** = Motor protection switch with undervoltage trip device | **2** = Circuit breaker and contactor || **16** = Circuit breaker B16A | **25** = Circuit breaker B25A | **32** = Circuit breaker B32A | **10** = Circuit breaker B10A || **A** = Residual-current device type A | **B** = Residual-current device type B || **10** = 10mA | **30** = 30mA

Note: With version 2, short circuits are not possible whilst switching on

Energy distribution

Key Facts

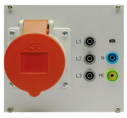
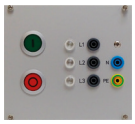
All energy distributions (230 V + 400 V) are connected to our safety and switching elements and provided with protection.

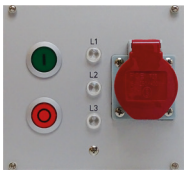
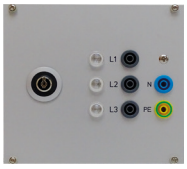
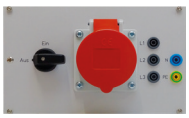
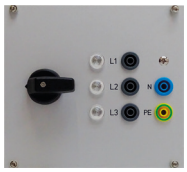
The power is cut off from energy distributions in an emergency stop situation. This does not include computer sockets. Front panels: Anodised aluminium, d = 2.5 mm.

Energy distribution/data interfaces

400 V energy distribution

All sockets and switchable sockets are provided with protection through the safety and switching element.

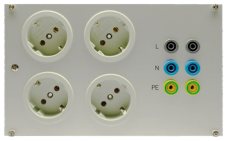
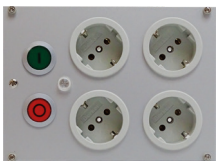
	Art. No.	HP	HU	Description
	EK6780	28	3	CEE socket 400 V/16 A, safety test sockets L1, L2, L3, N, PE
	ED6719	14	3	Safety test sockets L1, L2, L3, N, PE
	ED6715	21	3	CEE socket 400 V/16 A
	ED6715_S	14	3	Swiss socket type 15 400 V/10 A
	ED6725_S	14	3	Swiss socket type 25 400 V/16 A
	ED6725	21	3	CEE socket 400 V/32 A
	TEK6780	42	3	CEE socket 400 V/16 A, safety test sockets L1/L2/L3/N/PE and phase control lamps, switchable via ON/OFF button (and contactor)
	TED6719	28	3	Safety test sockets L1/L2/L3/N/PE and phase control lamps, switchable via ON/OFF button (and contactor)
	TED6715	35	3	CEE socket 400 V/16 A and phase control lamps, switchable via ON/OFF button (and contactor)
	TED6715_S	28	3	Swiss socket type 15 400 V/10 A and phase control lamps, switchable via ON/OFF button (and contactor)

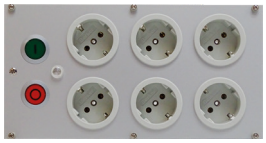
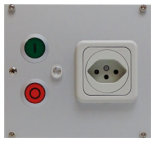
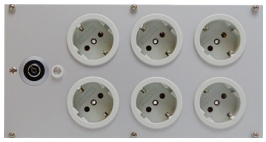
	Art. No.	HP	HU	Description
	TED6725_S	28	3	Swiss socket type 25 400 V/16 A and phase control lamps, switchable via ON/OFF button (and contactor)
	SEK6780	42	3	Swiss socket type 25 400 V/16 A and phase control lamps, switchable via ON/OFF button (and contactor)
	SED6719	28	3	Safety test sockets L1/L2/L3/N/PE and phase control lamps, switchable via key switch (and contactor)
	SED6715	35	3	CEE socket 400 V/16 A and phase control lamps, switchable via key switch (and contactor)
	SED6715_S	28	3	Swiss socket type 15 400 V/10 A and phase control lamps, switchable via key switch (and contactor)
	SED6725_S	28	3	Swiss socket type 25 400 V/16 A and phase control lamps, switchable via key switch (and contactor)
	NEK6780	42	3	CEE socket 400 V/16 A, safety test sockets L1/L2/L3/N/PE and phase control lamps, switchable via cam switch
	NED6719	28	3	Safety test sockets L1/L2/L3/N/PE and phase control lamps, switchable via cam switch
	NED6715	35	3	CEE socket 400 V/16 A and phase control lamps, switchable via cam switch
	NED6715_S	28	3	Swiss socket type 15 400 V/10 A and phase control lamps, switchable via cam switch
	NED6725_S	28	3	Swiss socket type 25 400 V/16 A and phase control lamps, switchable via cam switch

***Note:** Short circuits are not possible whilst switching on

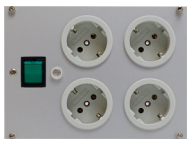
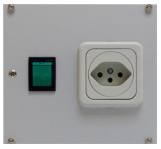
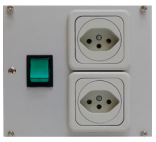
230 V energy distribution

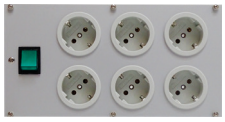
All sockets and switchable sockets are provided with protection through the safety and switching element.

	Art. No.	HP	HU	Description
	EK6770	14	3	2 x Earthed sockets, white
	EK6772	28	3	4 x Earthed sockets, white
	EK6774	42	3	6 x Earthed sockets, white
	EW6705	7	3	Safety test sockets L/N/PE
	EW6708	14	3	1 x Earthed socket 230 V type 13 Swiss standard
	EW6780	21	3	2 x Earthed sockets 230 V type 13 Swiss standard
	EW6782	35	3	4 x Earthed sockets 230 V type 13 Swiss standard
	EW6784	49	3	6 x Earthed sockets 230 V type 13 Swiss standard
	EK6776	42	3	4 x Earthed sockets, 2 x safety test sockets L/N/PE
	TEK6770	21	3	2 x Earthed sockets, white, and phase control lamp, switchable via ON/OFF button (and contactor)
	TEK6772	35	3	4 x Earthed sockets, white, and phase control lamp, switchable via ON/OFF button (and contactor)

	Art. No.	HP	HU	Description
	TEK6774	49	3	6 x Earthed sockets, white, and phase control lamp, switchable via ON/OFF button (and contactor)
	TEW6705	21	3	Safety test sockets L/N/PE and phase control lamp, switchable via ON/OFF button (and contactor)
	TEW6708	28	3	1 x Earthed socket 230 V type 13 Swiss standard and phase control lamp, switchable via ON/OFF button (and contactor)
	TEW6780	28	3	2 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via ON/OFF button (and contactor)
	TEW6782	42	3	4 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via ON/OFF button (and contactor)
	TEW6784	56	3	6 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via ON/OFF button (and contactor)
	TEK6776	49	3	4 x Earthed sockets, 2 x safety test sockets L/N/PE and phase control lamp, switchable via ON/OFF button (and contactor)
	SEK6770	21	3	2 x Earthed sockets, white, and phase control lamp, switchable via key switch (and contactor)
	SEK6772	35	3	4 x Earthed sockets, white, and phase control lamp, switchable via key switch (and contactor)
	SEK6774	49	3	6 x Earthed sockets, white, and phase control lamp, switchable via key switch (and contactor)
	SEW6705	21	3	Safety test sockets L/N/PE and phase control lamp, switchable via key switch (and contactor)

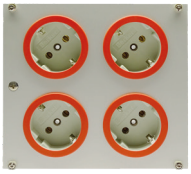
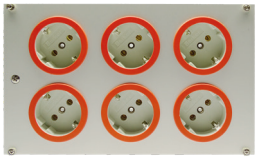
***Note:** Short circuits are not possible whilst switching on

	Art. No.	HP	HU	Description
	SEW6708	28	3	1 x Earthed socket 230 V type 13 Swiss standard and phase control lamp, switchable via key switch (and contactor)
	SEW6780	28	3	2 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via key switch (and contactor)
	SEW6782	42	3	4 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via key switch (and contactor)
	SEW6784	56	3	6 x Earthed sockets 230 V type 13 Swiss standard and phase control lamp, switchable via key switch (and contactor)
	SEK6776	49	3	4 x Earthed sockets, 2 x safety test sockets L/N/PE and phase control lamp, switchable via key switch (and contactor)
	WEK6770	21	3	2 x Earthed sockets, white, switchable via illuminated rocker switch
	WEK6772	35	3	4 x Earthed sockets, white, switchable via illuminated rocker switch
	WEK6776	49	3	4 x Earthed sockets, 2 x safety test sockets L/N/PE, switchable via illuminated rocker switch
	WEW6705	21	3	Safety test sockets L/N/PE, switchable via illuminated rocker switch
	WEW6708	28	3	1 x Earthed socket 230 V type 13 Swiss standard, switchable via illuminated rocker switch
	WEW6780	28	3	2 x Earthed sockets 230 V type 13 Swiss standard, switchable via illuminated rocker switch
	WEW6782	42	3	4 x Earthed sockets 230 V type 13 Swiss standard, switchable via illuminated rocker switch

	Art. No.	HP	HU	Description
	WEW6784	56	3	6 x Earthed sockets 230 V type 13 Swiss standard, switchable via illuminated rocker switch
	WEK6774	49	3	4 x Earthed sockets, white, with 2 x safety test sockets via rocker switch illuminated up to 16 A
	EW6706	7	3	Safety test socket PE
Image to follow	EW6710		3	Socket without earth 230 V/0.5 A, installed in channel
Image to follow	EW6711		3	Socket without earth 230 V/1.0 A, installed in channel
	EB6725-6	14	3	6 x Safety test sockets, black, not wired
	EB6725-8	14	3	8 x Safety test sockets, black, not wired
	EB6725-12	21	3	12 x Safety test sockets, black, not wired

Computer sockets

Computer sockets are not provided with protection through the safety and switching element

	Art. No.	HP	HU	Description
	EK6770R	14	3	2 x Earthed sockets, marked in red, for computer power
	EK6772R	28	3	4 x Earthed sockets, marked in red, for computer power
	EK6774R	42	3	6 x Earthed sockets, marked in red, for computer power

Data interfaces

None of the data interfaces are wired.

	Art. No.	HP	HU	Description
	EJ67R1	7	3	1 x RJ45 point CAT6A - Delock -
	EJ67RA1	7	3	1 x RJ45 jack CAT6A - Delock -
	EJ67R2	7	3	2 x RJ45 points CAT6A - Delock -
	EJ67RA2	7	3	2 x RJ45 jacks CAT6A - Delock -
	EJ67R8	28	3	8 x RJ45 points CAT6A - Delock -
	EJ6732	21	3	3 RJ45 patch socket
	EJ67U1	7	3	1 x USB A (USB 3.0) port, not wired, double-sided connection
	EJ67U2	7	3	2 x USB A (USB 3.0) ports, not wired, double-sided connection
	EJ67H1	7	3	1 x HDMI A port (gold contacts), not wired, double-sided connection
	EJ67H2	7	3	2 x HDMI A ports (gold contacts), not wired, double-sided connection

	Art. No.	HP	HU	Description
	EJ67C2	7	3	RCA connector, red and white, not wired, double-sided connection
	EJ6734	21	3	TAE port, for 1 telephone, 6 pins, not wired
	EJ6743	7	3	BNC connector, 75 Ohm, not wired
	EJ6742	7	3	BNC connector, 50 Ohm, not wired
	EJ6745	7	3	D-sub female connector, 9 pins, not wired
	EJ6746	7	3	D-sub male connector, 9 pins, not wired
	EJ6747	7	3	VGA gender changer, double-sided connection, not wired

Pneumatic elements

	Art. No.	HP	HU	Description
	EP6750	7	3	One-hand coupling DN 5 for compressed air, shut-off on one side, no hose attached
	EP6755	35	3	Compressed air output via one-handed coupling, can be adjusted between 0.5 and 10 bar using pressure regulator, display via pressure gauge class 2.5
	EP6756	28	3	Compressed air output via one-handed coupling, can be adjusted between 0.5 and 10 bar using pressure regulator, display via pressure gauge class 2.5, Front panel anodised aluminum, t = 2.5mm

Individual components

Circuit breakers

	Art. No.	HP	HU	Description
	LS1B10	14	3	1-pin circuit breaker B10A, wired to terminals
	LS1B13	14	3	1-pin circuit breaker B13A, wired to terminals
	LS1B15	14	3	1-pin circuit breaker B15A, wired to terminals
	LS1B16	14	3	1-pin circuit breaker B16A, wired to terminals
	LS1B25	14	3	1-pin circuit breaker B25A, wired to terminals

	Art. No.	HP	HU	Description
	LS3B10	21	3	3-pin circuit breaker B10A, wired to terminals
	LS3B16	21	3	3-pin circuit breaker B16A, wired to terminals
	LS3B25	21	3	3-pin circuit breaker B25A, wired to terminals
	LS3B32	21	3	3-pin circuit breaker B32A, wired to terminals
	LS1C10	14	3	1-pin circuit breaker C10A, wired to terminals
	LS1C16	14	3	1-pin circuit breaker C16A, wired to terminals
	LS2C10	14	3	2-pin circuit breaker C10A, wired to terminals
	LS2C16	14	3	2-pin circuit breaker C16A, wired to terminals
	LS1D16	14	3	1-pin circuit breaker D16A, wired to terminals

EMERGENCY STOP elements

	Art. No.	HP	HU	Description
	NA6530	7	3	Single emergency stop button, applies to safety and switching element
	NA6531	7	3	Single emergency stop button, not wired
	NA6540	-	-	Emergency stop button in housing, incl. 5.0 m connecting cable

Motor protection switch

	Art. No.	HP	HU	Description
	DM6610	21	3	Motor protection switch 12.5 A–16 A, wired to terminals

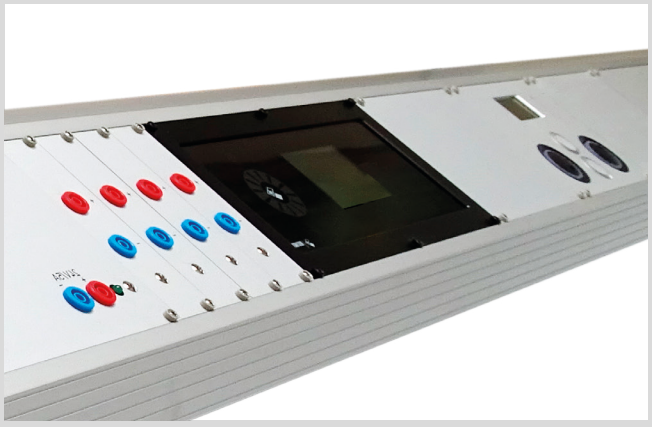
Residual-current devices

	Art. No.	HP	HU	Description
	FYA2_25_30	14	3	2-pin residual-current device 25-0.03 A type A, wired to terminals
	FYB2_25_30	21	3	2-pin residual-current device 25-0.03 A type B, wired to terminals
	FYA4_25_30	21	3	4-pin residual-current device 25-0.03 A type A, wired to terminals
	FYB4_25_30	21	3	4-pin residual-current device 25-0.03 A type B, wired to terminals
	FYA4_40_30	21	3	4-pin residual-current device 40-0.03 A type A, wired to terminals
	FYB4_40_30	21	3	4-pin residual-current device 40-0.03 A type B, wired to terminals

Accessories

	Art. No.	Description
	ZUL400_1	Lead 5 x 2.5 mm², open end; 5.0 m from channel
	ZUL400_2	Lead 5 x 2.5 mm², CEE 16 A plug; 5.0 m from channel
	ZUL230_1	Lead 3 x 2.5 mm², open end; 5.0 m from channel
	ZUL230_2	Lead 3 x 2.5 mm², plug, reverse polarity protection; 5.0 m from channel
	ZULNA_1	Emergency stop lead 3 x 1.5 mm², open end for room emergency stop; 5.0 m from channel
	ZULPATCH_3	Patch cable 3.0 m, not assembled
	ZULUSB3.0_1,8	USB 3.0 cable, A/A connector, 1.8 m
	ZULUSB2.0_2,0	USB 2.0 cable, A/A connector, 2.0 m
	ZULHDMI_2,0	HDMI cable, A/A connector, 2.0 m
	ZULCHINCH_2,0	RCA cable, 2 x connectors, 2.0 m

Equipment technology – BasicLine

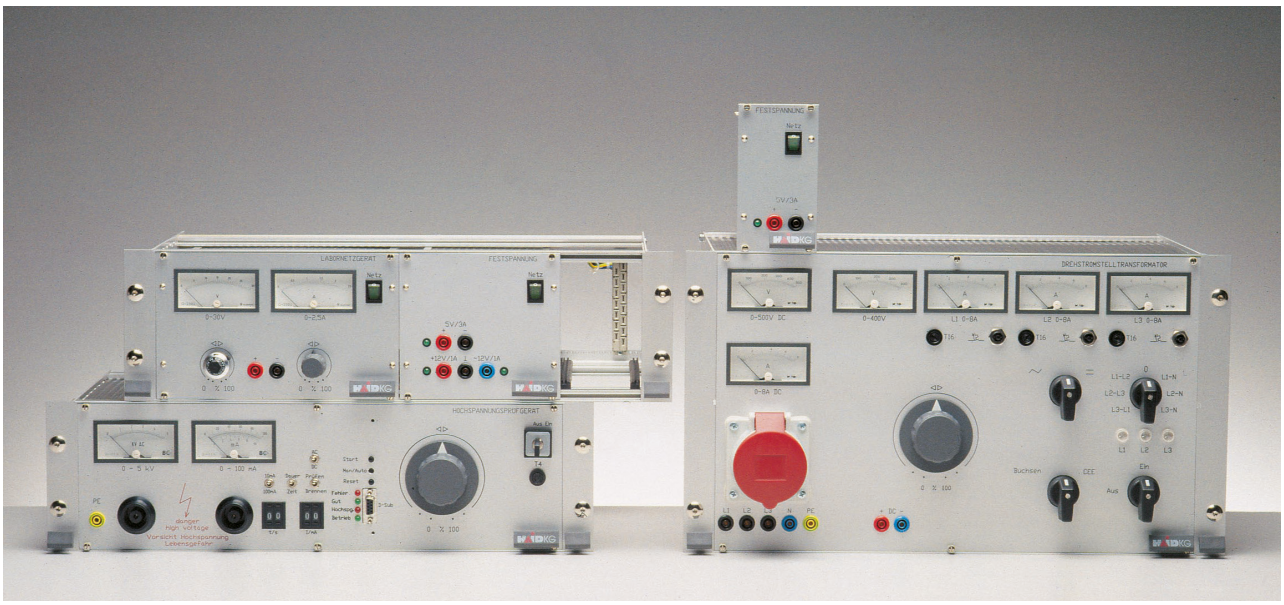


Tried-and-tested technology with a modern twist

No, we haven't reinvented the wheel. As providers of equipment for electrical laboratories, we offer our customers a wide basic range of electrical equipment.

We supply sophisticated technology you can rely on at excellent value for money and in a modern design.

AC /DC power supply units



The BeeWaTec equipment range has been designed as a modular system based on 19“ technology. Smaller pieces of equipment are provided in the form of cassette technology, whilst bigger equipment goes straight in the module rack. For large equipment, the width is 19“ as standard and the height is 3 HU or 6 HU. Cassettes have a height of 3 HU whilst the width is selected in fixed increments of 7 HP (horizontal pitch; 1 HP = 5.08 mm). The module rack consists of 84 HP in total, divided as follows: Into cassettes with 14/21/28/35/42 HP and so on.

Empty cassettes or dummy panels can be used to fill up any empty spaces in the module rack if required. The image above clearly shows the size ratio between the smallest cassette and the largest standard piece of equipment in the module rack.

AC power supplies – variable transformers

The potential applications of variable isolation transformers are varied, ranging from personal protection through a power supply without earth to slow commissioning of equipment by running up to the desired voltage.

And the different designs that we make available to our customers are just as diverse. The range includes everything from the simple socket without earth to the three-phase current variable isolation transformer with additional output via bridge rectifiers.

Making sure our equipment comes in a compact design is just as important to us as supplying solid components and incorporating smart details.

To allow for their integration into automatic testing facilities, some of our pieces of equipment can be driven by motors, which can then be used to stabilise and control them. Please contact us to find out more.

AC power supplies – variable isolation transformers

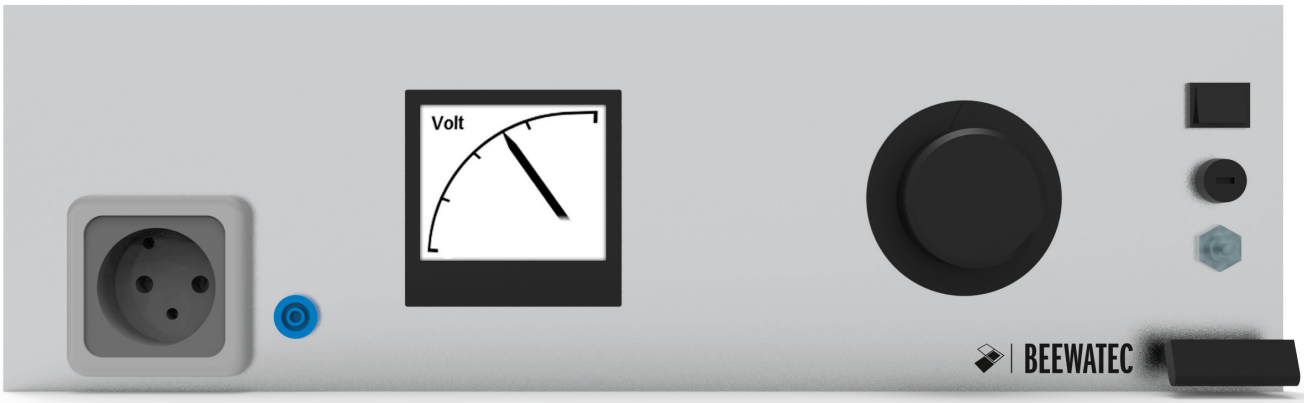


Image similar, labelling different depending on version

Standard variable isolation transformers supply a non-stabilised output voltage without earth, which is continuously adjustable between 0 and 260 V. Different output currents are available depending on the equipment version in use. The voltage and current can be displayed either using analogue or digital instruments. The output is routed to a socket without an earthed contact.

Technical data	
Input voltage	230 V AC ± 10 %, 50 Hz
Output voltage	0–260 V AC, without earth, continuously adjustable
Output current	Continuous operation 3 A/5.5 A, in the short term 3.5 A/6 A
Output	Voltage without earth via a socket without an earthed contact
Display	Graphic display
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Module rack: W: 19", H: 3 HU, D: D2

Type overview

Art. No.	Display	Current
TR 8026 UNI	Graphic display	3,0 A
TR 8050 UNI	Graphic display	5,5 A

DC and AC voltage power supplies

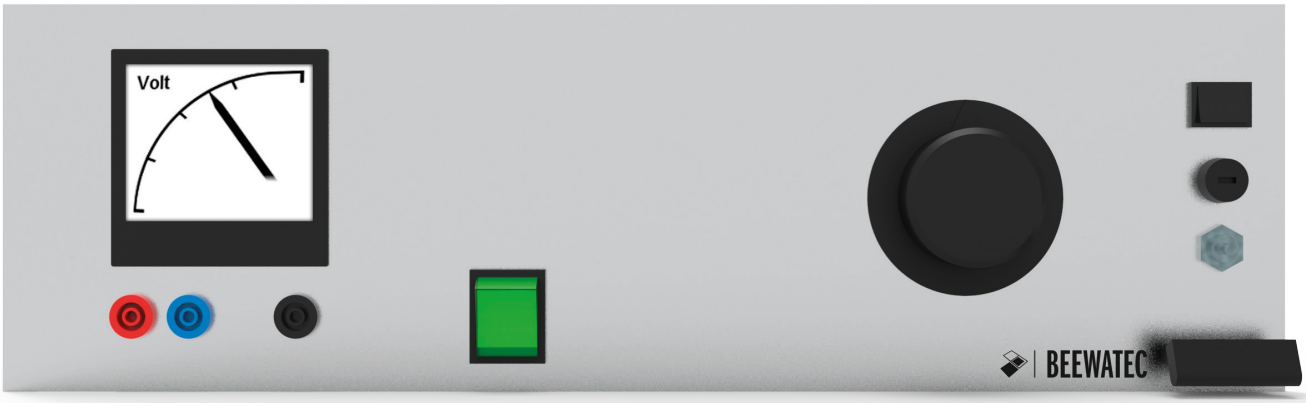


Image similar, labelling different depending on version

In addition to adjustable AC voltage, this range also supplies continuously adjustable, unfiltered DC voltage with a periodic and random deviation of around 50%. The output is guided to safety test sockets, with a switch ensuring that only an AC or DC output is enabled at any one time.

We also supply a safety test plug/earthed plug adapter cable to enable AC voltage equipment to be connected with ease.

Technical data	
Input voltage	230 V AC ± 10 %, 50 Hz
Output voltage	0–260 V AC, without earth, continuously adjustable, can be switched to direct current 0–260 V DC unfiltered or 0–365 V DC filtered
Output current	Continuous operation 3 A/5.5 A, in the short term 3.5 A/6 A
Output	Voltage without earth via safety test sockets
Display	Graphic display
Option	Filter capacitor battery for DC
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Module rack: W: 19”, H: 3 HU, D: D2

Type overview

Art. No.	Display	Current
TR 8028 UNI	Graphic display	3,0 A
TR 8052 UNI	Graphic display	5,5 A
SK 8090 DI	Filter capacitor battery	

The pieces of equipment listed above are also available as variable transformers without the isolation element, i.e. not without earth.

Variable isolation transformer combined units with multiple outputs

Image similar, labelling different depending on version

In addition to adjustable AC voltage without earth and DC voltage, combined units also offer an AC voltage output that is connected to the mains and also adjustable. This is useful when the AC voltage does not need to be isolated from the mains as the internal resistance of the AC voltage source is lower, providing greater stability. AC outputs are guided to labelled sockets with/without an earthed contact and to safety test sockets. DC is only output via safety test sockets. Although there are various outputs, the combination of switches and step switches ensures that only one output is enabled at any one time.

Technical data	
Input voltage	230V AC ± 10 %, 50Hz
Output voltage	0–260 V AC, without earth, continuously adjustable, can be switched to direct current 0–260 V DC unfiltered or 0–365 V DC filtered, can be switched to mains voltage 0–230 V AC
Output current	Continuous operation 3 A/5.5 A, in the short term 3.5 A/6 A
Output	Mains voltage via earthed socket or safety test sockets, voltage without earth via socket without an earthed contact or safety test sockets, additional DC voltage output. Option to switch between all 3 operating modes using step switch
Display	Analogue moving-iron instruments or digital instruments, digit height 13 mm
Option	Filter capacitor battery for DC
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Module rack: W: 19", H: 3 HU, D: D2

Type overview

Art. No.	Display	Current
TR 8030 AN	Analogue	3,0 A
TR 8030 DI	Digital	3,0 A
TR 8054 AN	Analogue	5,5 A
TR 8054 DI	Digital	5,5 A
SK 8090 AN	Filter capacitor battery	

Variable isolation transformers 260 V /50 V , switching between AC /DC

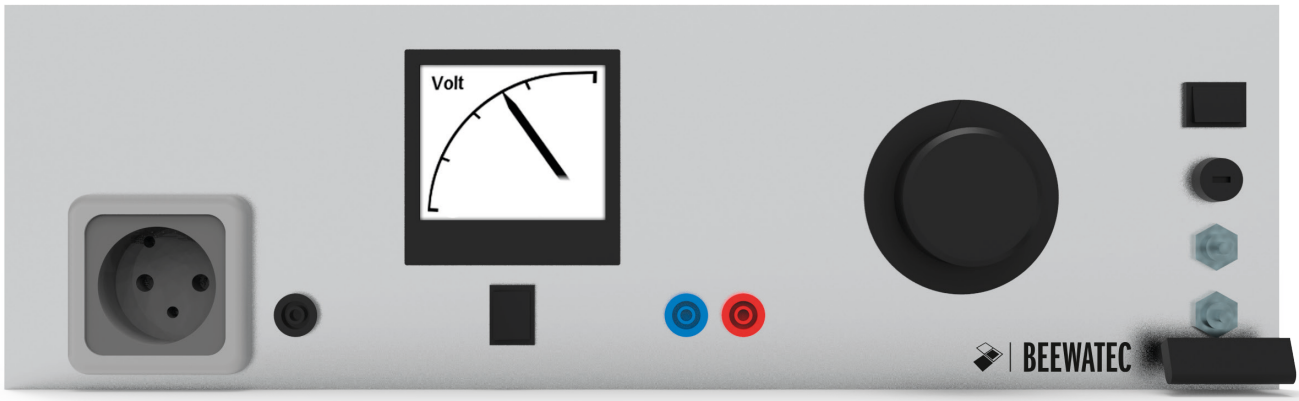


Image similar, labelling different depending on version

These variable isolation transformers supply differing output voltages: 0–260 V with 3 A and 0–50 V with 10 A. In the simpler version there are only AC voltage sources, with the range reaching up to 260 V being output via a socket without an earthed contact and the lower voltage range being output via safety test sockets. If an unfiltered DC voltage is also required, this is output via switchable safety
test sockets. However, in this case, it is necessary to connect up to the test sockets as an additional safety measure and to avoid the consumers being mixed up.

Technical data	
Input voltage	230 V AC ± 10 %, 50 Hz
Output voltage I	0–260 V AC, without earth, continuously adjustable
Output voltage II	0–50 V AC, without earth, continuously adjustable, with TR 8049 also: option to switch both voltages to DC output via rectifier (unfiltered)
Output current	with 260 V: 3 A, with 50 V: 10 A
Output	260 V AC via socket without an earthed contact (TR 8045) or via safety test sockets (TR 8049) 50 V AC, 260 V DC, 50 V DC via safety test sockets
Display	Graphic display
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Module rack: W: 19", H: 3 HU, D: D2

Type overview

Art. No.	Display	Current	DC output
TR 8045 UNI	Graphic display	0 - 260V / 3A 0 - 50V / 10A	No
TR 8049 UNI	Graphic display	0 - 260V / 3A 0 - 50V / 10A	Yes

Variable isolation power transformers

Image similar, labelling different depending on version

Variable isolation power transformers supply a continuous current of up to 15 A, as AC or DC voltage that is unfiltered and continuously adjustable all the way from 0 to the final value of 260 V. There are plenty of reserves for rectification with a continuous current of up to 25 A. Either analogue or digital instruments can be used for the display and an inrush current limiter is installed as standard.

Technical data	
Input voltage	230 V AC ± 10 %, 50 Hz (400V AC)
Output voltage	0–260 V AC, without earth, continuously adjustable
Output current	10 A/15 A
Output	Voltage without earth via a socket without an earthed contact
Option	Additional DC voltage output, option to switch, DC periodic and random deviation 50%
Display	Graphic display
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Module rack: W: 19“, H: 6 HU, D: D2

Type overview

Art. No.	Display	Current	DC output
TR 8060 UNI	Graphic display	10 A	No
TR 8062 UNI	Graphic display	10 A	Yes
TR 6064 UNI	Graphic display	15 A	Yes

Three-phase current variable isolation transformers

Image similar, labelling different depending on version

Three-phase current variable isolation transformers can optionally be supplied with analogue and digital instruments. The currents are displayed via three separate instruments. All six phase-to-phase voltages are combined and displayed on one instrument by means of an instrument switch. The output without earth can be switched between a CEE socket and safety test sockets. The option of three-phase current bridge rectification allows for DC voltage to be supplied with a lower periodic and random deviation. The three-phase current variable isolation transformer can also be conveniently operated with one phase thanks to the adapter cable KA 8091.

Technical data	
Input voltage	3 x 400 V ± 10 %, 50 Hz
Output voltage	3 x 0–460 V, without earth, continuously adjustable
Output current	Continuous operation 3 x 2.5 A, in the short term 3 x 3 A
Power output	2kVA
Output	Voltage without earth via CEE socket and socket panel, option to switch
Option	Additional DC voltage output (three-phase current bridge rectification with test sockets, periodic and random deviation approx. 5%), output via sockets
Display	Analogue moving-iron instruments or digital instruments, digit height 13 mm, voltage: display of all 6 phase-to-phase voltages on one instrument by means of an instrument switch, current: 3 instruments
Fuse protection	Microfuses on the primary side, thermal magnetic circuit breakers on the secondary side
Size	Module rack: W: 19", H: 6 HU, D: D2

Type overview

Art. No.	Display
TD 8077 AN	Analogue
TD 8077 DI	Digital
GL 8092	Three-phase current bridge rectifier with test sockets

Higher outputs available with different sizes on request.

Three-phase current variable tr ansformers with DC voltage output

Image similar, labelling different depending on version

Three-phase current variable transformers without mains isolation supply a continuously adjustable three-phase voltage of 0–400 V to be output via a CEE socket or safety test sockets. An additional socket allows for single-phase test items to be provided with a single supply. Display is possible using both analogue and digital instruments.

When an additional DC voltage output is added, extra instruments are also incorporated for voltage and current to guarantee an accurate display. DC voltage is output via safety test sockets.

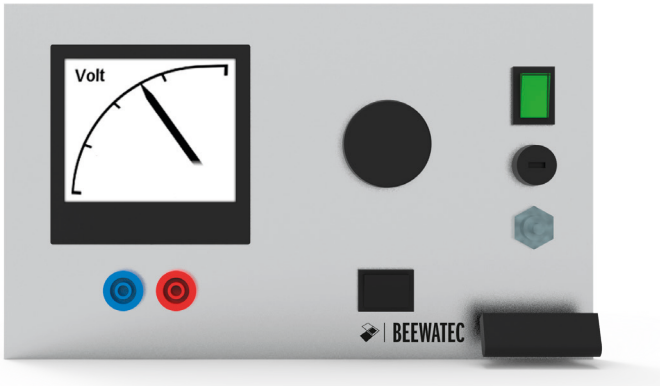
Technical data	
Input voltage	3 x 400 V ± 10 %, 50Hz
Output voltage	0–400 V (460 V) AC, not without earth, continuously adjustable
Output current	Continuous operation 6.3 A/8 A, in the short term 7 A/9 A
Power output	5kVA
Output	CEE socket, option to switch to safety test sockets
Option	Option to switch to additional DC voltage output, DC periodic and random deviation <5%, safety test sockets
Display	Analogue moving-iron instruments or digital instruments, digit height 13 mm, AC voltage: display of all 6 phase-to-phase voltages on one instrument by means of an instrument switch, AC current: 3 instruments, DC voltage and current: 1 instrument each
Fuse protection	Microfuses on the input side, thermal magnetic circuit breakers on the output side
Size	Module rack: W: 19", H: 6 HU, D: D2

Type overview

Art. No.	Display	Current	DC output
TD 8070 AN	Analogue	3 x 0 - 00V/8,0A	No
TD 8070 DI	Digital	3 x 0 - 00V/8,0A	No
TD 8072 AN	Analogue	3 x 0 - 00V/8,0A	Yes
TD 8072 DI	Digital	3 x 0 - 00V/8,0A	Yes
TD 8074 AN	Analogue	3 x 0 - 60V/6,3A	Yes
TD 8074 DI	Digital	3 x 0 - 60V/6,3A	Yes

Higher outputs available with different sizes on request.

Adjustable AC /DC low-voltage equipment



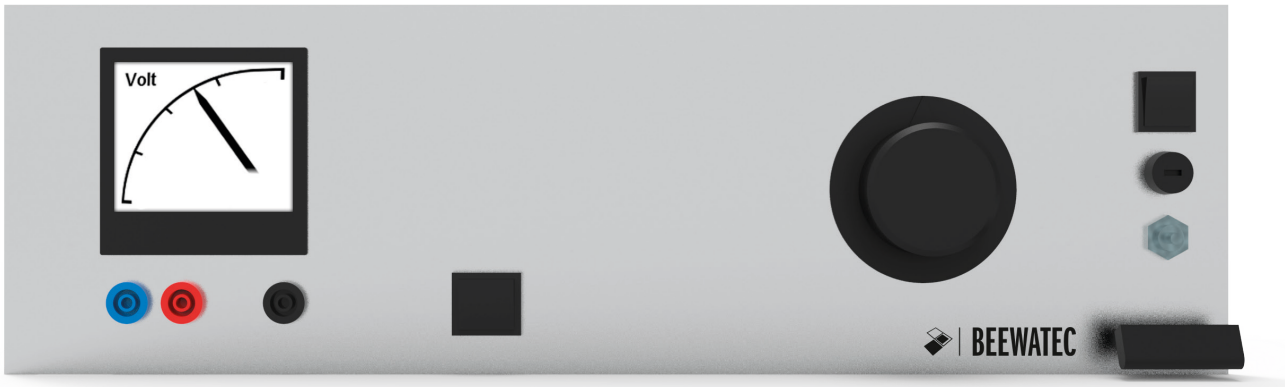


Image similar, labelling different depending on version

Low-voltage power supply units boast a high power output despite a compact design. The output via safety test sockets can be switched from DC to AC voltage, with the DC voltage being smoothed out via filter capacitors as standard.

Analogue or digital instruments can be used for the display as desired. Thanks to the low internal resistance of the units, the voltage drop to be adjusted for low currents is negligible.

Technical data	
Input voltage	230 V ± 10 %, 50 - 60 Hz
Output voltage	0–50 V, without earth, continuously adjustable, can be switched to DC voltage. The DC voltage is smoothed out via filter capacitors.
Output current	Cntinuous operation 5 A/15 A
Display	Graphic display
Output	Via safety test sockets
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Sizes	With 5 A: slide-in cassette: W: 42 HP, H: 3 HU, with 15 A: module rack: W: 19“, H: 3 HU, D: D2

Type overview

Art. No.	Display	Current
AD 8125 UNI	Graphic display	5 A
AD 8126 UNI	Graphic display	15 A

Sockets without earth in cassette technology

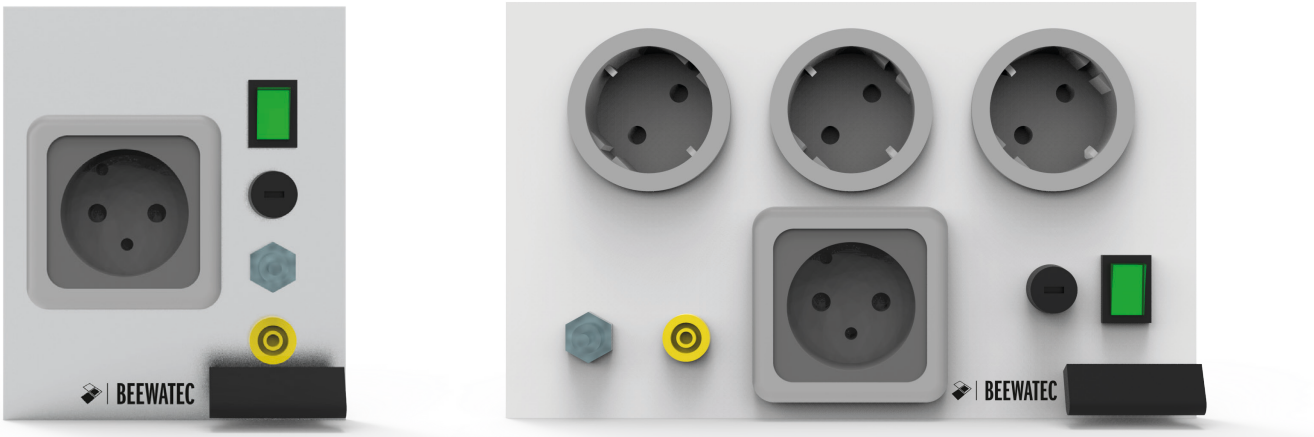


Image similar, labelling different depending on version

Sockets without earth through transformers are part of the basic set-up at any workplace alongside variable isolation transformers. In many cases, measurements can only be taken following electrical isolation, e.g. when taking mains measurements using an oscilloscope.If the electrical isolation step is ignored, incorrect results may be recorded
or measurements within a number of applications.

Technical data	
Input voltage	230V ± 10 %, 50Hz
Output voltage	230 V, without earth
Output current	0.5 A/1.0 A continuous current
Output	Via a socket without an earthed contact
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Sizes	Slide-in cassette: W: 21/42 HP, H: 3 HU

Type overview

Art. No.	
PS 8111	230 V/0.5 A, without earth
PS 8112	230 V/0.5 A, without earth, plus 3 earthed sockets
PS 8113	230 V/1.5 A, without earth, plus 3 earthed sockets
PS 8114	230 V/3 A, without earth, plus 1 earthed socket

AC fixed voltages in cassette technology

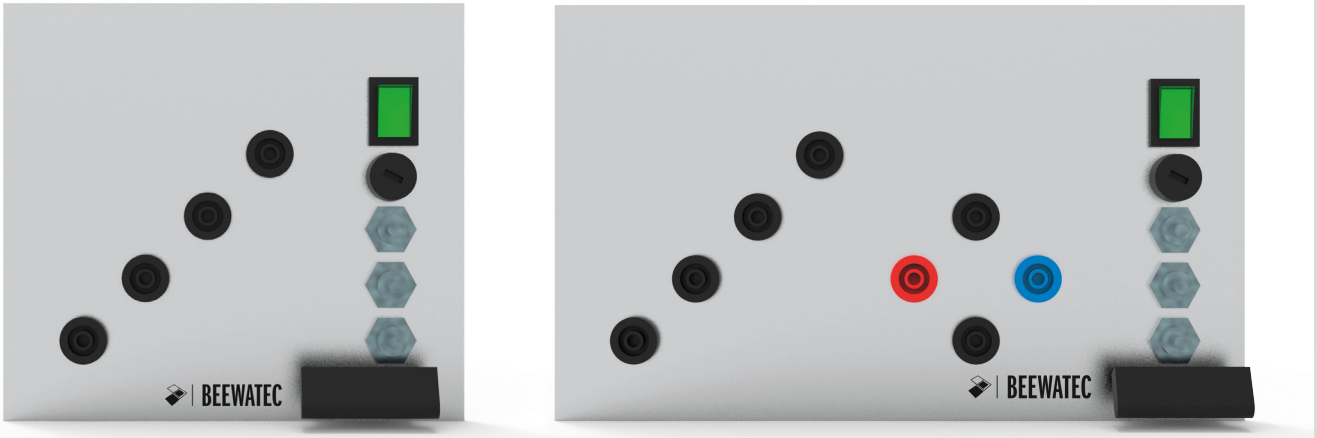


Image similar, labelling different depending on version

Low AC voltages without earth can be supplied in two voltage ranges and two output classes. Output is via safety test sockets and each output has its own thermal magnetic fuse protection. The voltage array allows for an output of practical, finely graduated voltages that can be converted to an effectively smoothed out DC voltage as an extra output via bridge rectifier and filtering.

Technical data	
Input voltage	230V AC ± 10 %, 50Hz
Output voltage	Option to switch between 2 V, 4 V, 6 V, 8 V, 10 V, 12 V or 6 V, 12 V, 18 V, 24 V, 36 V, 42 V AC. Additionally with lower unit: DC output via bridge rectifier with filtering.
Output current	Continuous operation 3 A/10 A, all voltage combinations
Output	Via safety test sockets
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breakers on the secondary side
Size	Slide-in cassette: W: 28/42 HP, H: 3 HU

Type overview

Art. No.	Voltage	Current	DC output
AD 8100	2/4/6/8/10/12V	10A	No
AD 8101	6/12/18/24/36/42V	3A	No
AD 8105	2/4/6/8/10/12V	10A	Yes
AD 8106	6/12/18/24/36/42V	3A	Yes

Variable isolation tr ansformers in cassette technology

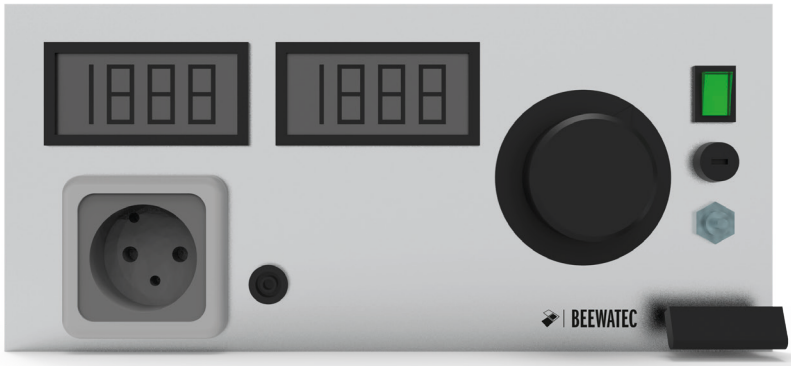


Image similar, labelling different depending on version

Variable isolation transformers are also available in cassette form for applications requiring low power outputs, for education and training scenarios and when space is limited in the workplace. Here there is the choice between standard transformers with an output of continuously adjustable AC voltage without earth via a socket without an earthed contact or multi-switching units with various output voltages and the additional output of unfiltered DC voltage. Depending on the version, analogue or analogue and digital instruments are provided

Technical data	
Input voltage	230V AC ± 10 %, 50Hz
Output voltage I	0–260 V AC, without earth, continuously adjustable. With KT 8132, option to switch to output via rectifier (0–260 V DC), unfiltered
Output voltage II	0–50 V AC, without earth, only continuously adjustable with KT8132, option to switch to output via rectifier (0–50 V DC), unfiltered
Output current	Continuous operation at 260 V: 3 A, continuous operation at 50 V: 5 A (KT 8132)
Output	260 V AC via socket without an earthed contact or 50 V AC/DC, 260 V AC/DC via safety test sockets
Display	Analogue moving-iron instruments (dual scale), KT 8130 also with digital instruments, digit height 13 mm
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Size	Slide-in cassette: W: 56 HP, H: 3 HU

Type overview

Art. No.	Display	Output voltage	Output current	DC output
KT 8130 AN	Analogue	0 - 260V	3A	No
KT 8130 DI	Digital	0 - 260V	3A	No
KT 8132 AN	Analogue	0 - 260V und 0 - 50V	3A	Yes

Three-phase current supplies in cassette technology

Image similar, labelling different depending on version

Three-phase current low voltages allow for experiments to be performed safely within education and training applications. Output is via safety test sockets, with the outputs having thermal magnetic fuse protection and being monitored using phase control lamps. Three-phase current variable transformers supply an adjustable three-phase voltage of between 0 and 460 V with a continuous current of 2 A across the entire range. The three-phase voltage is not electrically isolated from the mains. The voltage is output via safety test sockets and current and voltage are each displayed by means of a switching instrument, which can be analogue or digital as required.

Technical data	
Input voltage	3 x 400V AC +/- 10% 50Hz
Fuse protection	Microfuse on the primary side, thermal magnetic circuit breaker on the secondary side
Output	Via safety test sockets
AD 8140	
Output voltage	3 x 23/40 V low three-phase voltage with electrical isolation from the mains
Output current	3A (200VA)
Size	Slide-in cassette: W: 42 HP, H: 3 HU, D: D2
AD 8145/AD 8146	
Output voltage	0–400 V (460 V) AC, continuously adjustable, without electrical isolation from the mains
Output current	Continuous operation 2.5 A with 400 V, 2 A with 460 V, in the short term 3 A/2.5 A

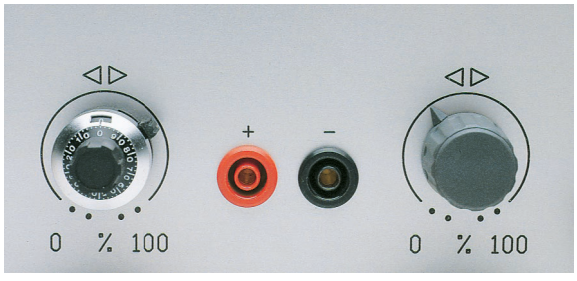
Type overview

Art. No.	Display	Output voltage	Output current
AD 8140		3x 23/40V	3,0A
AD 8145 AN	Analogue	0 - 400V	2,5A
AD 8145 DI	Digital	0 - 400V	2,5A
AD 8146 AN	Analogue	0 - 460V	2,0A
AD 8146 DI	Digital	0 - 460V	2,0A

DC power supplies – fixed voltage laboratory power supply units

Laboratory power supply units and fixed voltage sources represent standard equipment in laboratories and test bays. We offer a comprehensive portfolio incorporating various performance classes. Key features of all of the pieces of equipment are their sophisticated technology, compact, user-friendly structure and – as in our portfolio as a whole – our consistent compliance with 19" standards. Individual units come in the form of cassettes that are adapted to the 19" module racks. As an alternative option, we also offer multiple power supply units incorporated directly into module racks. All of our equipment can be operated in parallel and in series, allowing for the use of powerful supply units. We always comply with the most stringent of quality standards for all of the components and assemblies we use, starting right from the development stage.

The LED status display signals short circuits and excess current as well as notifying you if surge or thermal protection is being applied. Sensor leads can be connected to compensate for the voltage drop in the leads during a 4-wire measurement process. This is important in particular in the case of test items or assemblies with a low supply voltage and high current.



The use of multi-turn potentiometers allows for the voltage to be adjusted finely in conjunction with a digital instrument. A multi-turn potentiometer can also be installed for use in adjusting the current.

Laboratory power supply units, 150 watt class switched control technology

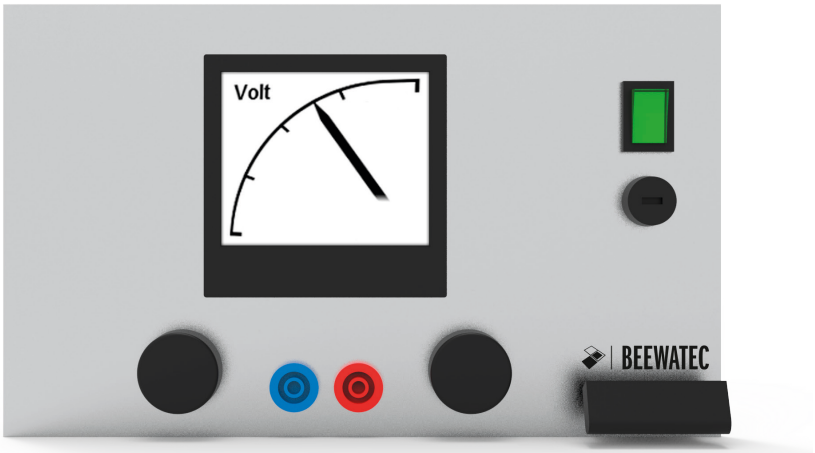


Image similar, labelling different depending on version

This equipment class is characterised by low thermal losses despite delivering a high power output. Plus, all of the units can be connected in series and in parallel. Thanks to the state-of-the-art switched control technology, the design is extremely compact. The additional filter at the output keeps the periodic and random deviation nice and low, which in turn makes it possible to supply circuits with the highest of requirements. A sensor lead can be used to detect the voltage directly at the consumer, so the voltage drop in the measuring lines from the laboratory power supply unit to the consumer can be incorporated in the control circuit. We recommend using measuring probes – especially if you frequently work with an output voltage of 5 V and high currents.

Technical data	
Input voltage	230V AC ± 15 %, 50Hz
Output voltage	0 – 30V, 0 – 60V
Output currents	0 – 5A, 0 – 2,5A
Input compensation	± 0,3 %
Periodic and random deviation	3 mV eff (with 0–30 V), 0.03% of final value (with 30–250 V)
Load compensation	± 1 %
Return time	1ms
Current limitation	Continuously adjustable
Output	Safety test sockets
Display	Graphic display
Fuse protection	Permanently short-circuit-proof
Options	Multi-turn potentiometer for current and voltage, remote sensing for voltage up to 30 V
Sizes	Slide-in cassette: W: 42 HP, H: 3 HU

Type overview

Art. No	Display	Voltage/ current
LN 8226 UNI	Graphic display	0 – 30V/0 – 5,0A
LN 8227 UNI	Graphic display	0 – 60V/0 – 2,5A

Options	
VP 8296	Multi-turn potentiometer for voltage
VP 8297	Multi-turn potentiometer for current
FF 8295	Remote sensing for voltage up to 30 V

Laboratory power supply units, 150 to 600 watt class switched control technology

Image similar, labelling different depending on version

Our clever, fully modular system allows for custom solutions to be provided, with these laboratory power supply units guaranteed to offer the exact values you need for your specific application. The compact design boasts power outputs of up to 600 watts in one module rack.

Technical data	
Input voltage	230V AC ± 15 %, 50Hz
Output voltage	0 – 30V, 0 – 60V
Output currents	0 – 2,5A, 0 – 5A, 0 – 7,5A, 0 – 10A
Input compensation	± 0,3 %
Periodic and random deviation	3 mV eff (with 0–30 V), 0.05% of final value (with 30–250 V)
Load compensation	± 1 %
Return time	1ms
Current limitation	Continuously adjustable
Output	Safety test sockets
Display	Graphic display
Fuse protection	Permanently short-circuit-proof
Options	Multi-turn potentiometer for current and voltage, remote sensing for voltage
Size	Module rack: W: 19", H: 6 HU, D: D2

Type overview

Art. No.	Display	Voltage/ current
LN 8243 UNI	Graphic display	0 – 30V/0 – 10A
LN 8246 UNI	Graphic display	0 – 60V/0 – 5A
LN 8247 UNI	Graphic display	0 – 60V/0 – 7,5A
LN 8248 UNI	Graphic display	0 – 60V/0 – 10A

Options	
VP 8296	Multi-turn potentiometer for voltage
VP 8297	Multi-turn potentiometer for current
FF 8295	Remote sensing for voltage up to 30 V

Fixed voltages, linear control

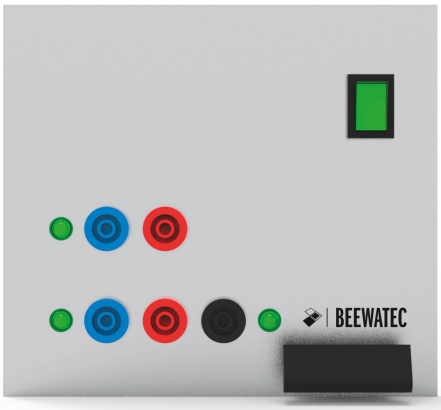


Image similar, labelling different depending on version

These fixed voltages are preferable in particular for supplying TTL circuits, operational amplifiers, microprocessors and CMOS components.

The additional LED display allows you to monitor the voltage and see whether short-circuit or surge protection is being applied.

Technical data	
Input voltage	230V AC ± 5 %, 50Hz
Output voltage	5V, 12V, 15V und 24V
Dual output voltage	± 12V, ± 15V
Output currents	3A, 2A, 1,5A und 1A
With dual outputs	1A
Output voltage accuracy	± 1%
Input compensation	± 1%
Periodic and random deviation	<1mV eff
Load compensation	± 1 %
Return time	1ms
Current limitation	Non-adjustable
Output	Safety test sockets
Display	LED
Fuse protection	Permanently short-circuit-proof built-in microfuse
Surge protection	As standard
Size	See article number

Type overview

Fixed voltage module with single output Slide-in cassette size: W: 14 HP, H: 3HU	
FS 8300	5V/3,0A
FS 8301	12V/2,0A
FS 8302	15V/1,5A
FS 8303	24V/1,0A
Fixed voltage module with dual output Slide-in cassette size: W: 21 HP, H: 3HU	
FS 8311	± 12V/1A
FS 8312	± 15V/1A
Fixed voltage module with triple output with electrical isolation between 5 V and ± output Slide-in cassette size: W: 28 HP, H: 3HU	
FS 8340	5V/3A, ± 12V/1A
FS 8341	5V/3A, ± 15V/1A

BasicLine

Fixed power voltages, 150 to 600 w class switched control technology

Prefabricated Article

Art. No.	Energy channel
HA204466	5-corner channel
HA600414	Cassette

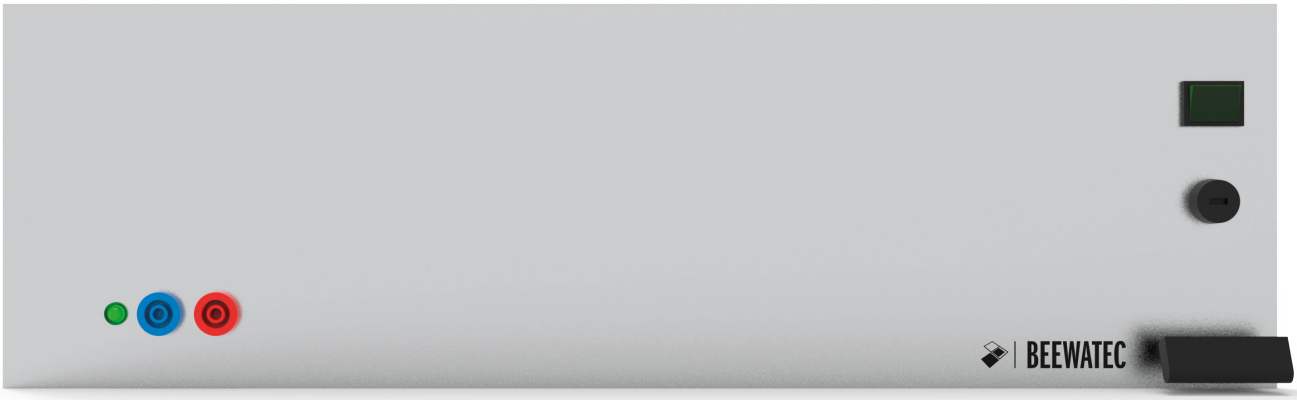


Image similar, labelling different depending on version

PLCs with control and signalling units or large digital logic circuits often require higher currents. This modular range with fine graduations allows you to make the exact adjustments you need to suit your application.

Technical data				
Input voltage	230V AC ± 15 %, 50Hz			
Output voltage	Output current group			
		I	II	III
	5V	10A	20A	40A
	12V	10A	20A	40A
	15V	8A	16A	32A
	24V	5A	10A	20A
	48V	2,5A	5A	10A
Output voltage accuracy	± 1%			
Input compensation	± 0,3%			
Sensor leads	Standard for 5 V/20 A, 5 V/40 A and 12 V/40 A, optional for all other versions			
Periodic and random deviation	3 mV eff up to 24 V, 0.05% of final value from 24 V			
Load compensation	± 1 %			
Return time	1ms			
Current limitation	Non-adjustable			
Output	Safety test sockets			
Fuse protection	Microfuse on the primary side, permanent short-circuit protection on the secondary side			
Size	See article number			

FSS	-	VO	-	AM	-	OB
Fixed voltage switched control		Voltage		Current		Inter-face

VO		AM		IN	
005	5V	**010**	10A	**00**	Without display
012	12V	**020**	20A	**01**	With display (for current)
		040	40A		
015	15V	**008**	8A		
		016	16A		
		032	32A		
024	24V	**005**	5A		
		010	10A		
		020	20A		

Multiple laboratory power supply units in cassette technology

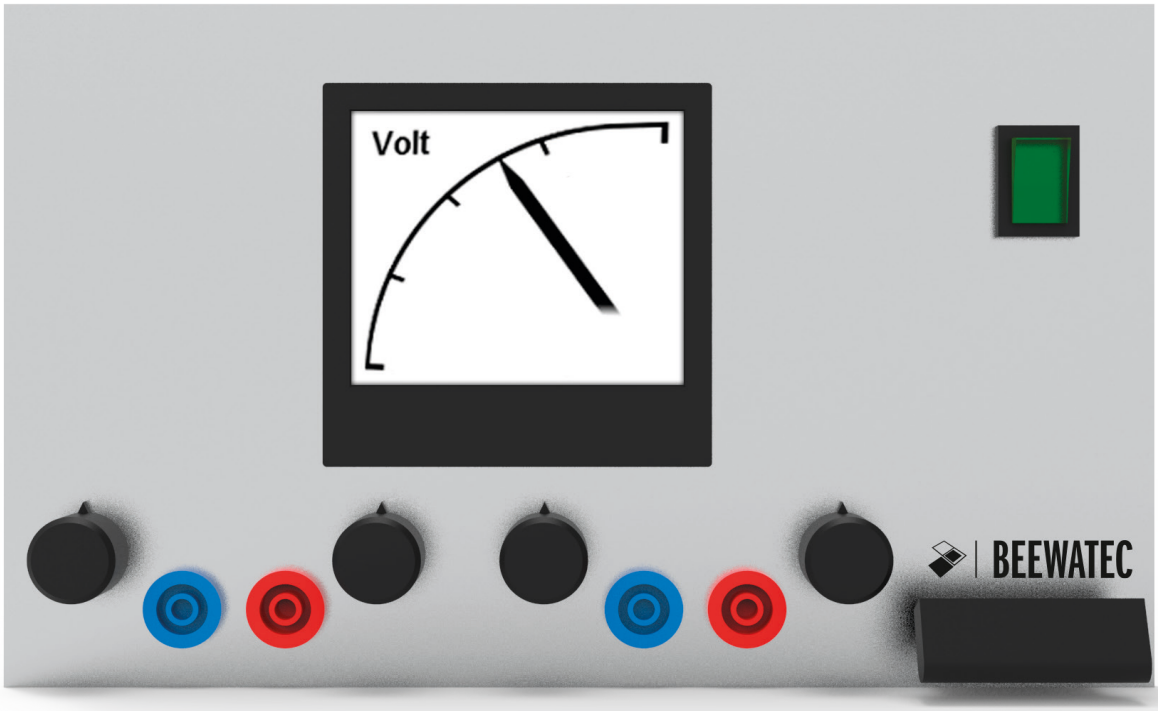


Image similar, labelling different depending on version

In a laboratory setting, more than one voltage will often be required. These units supply 2 variable voltages, which are also continuously adjustable in current from 0 to the final value. The voltage and current are displayed on one laboratory power supply unit each by means of an instrument switch. All standard multiple voltages can be taken care of in conjunction with our fixed voltage cassettes, without much space needing to be taken up at all.

Technical data	
Input voltage	230V AC ± 10 %, 50Hz
Output voltages	2 x 0 - 30V
Output currents	2 x 0 - 1A, 2 x 0 - 2,5A. 2 x 0 - 30V/2 x 0 - 5,0A
Input compensation	± 0,3 %
Periodic and random deviation	< 1mV eff.
Load compensation	± 1 %
Return time	1ms
Current limitation	Continuously adjustable
Output	Safety test sockets
Display	Graphic display
Fuse protection	Built-in microfuse
Protection devices	Thermal protection/short-circuit protection
Optionen	Multi-turn potentiometer for current and voltage
Baugrößen	Slide-in cassette: W: 42/56 HP, H: 3 HU

Type overview

Art. No.	Display	Voltage/ current
MN 8290 UNI	Graphic display	2 x 0 - 30V/2 x 0 - 1,0A
MN 8291 UNI	Graphic display	2 x 0 - 30V/2 x 0 - 2,5A
MN 8292 UNI	Graphic display	2 x 0 - 30V/2 x 0 - 5,0A

Multiple power supply units

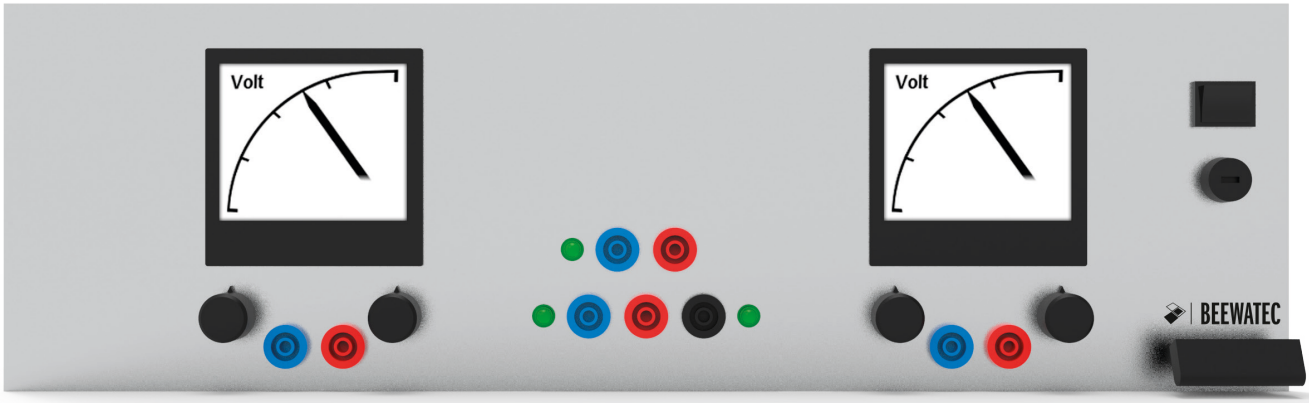


Image similar, labelling different depending on version

Incorporating laboratory power supply units and fixed voltages directly in the module rack gives rise to custom supply units that are compact yet powerful. The individual network cards for this modular system are inserted and supplied by standard universal transformers. This brings you unbelievable flexibility and incredible value for money. The possible combinations are virtually endless and you can rely on us to create the exact supply unit you need to suit your requirements. You can find the technical details for the individual power supplies based on the individual units above. You can also always get in touch with us to ask for further information.

Technical data	
Input voltage	230V AC ± 10 %, 50Hz
Input compensation	± 0,3 %
Periodic and random deviation	< 1mV eff.
Load compensation	± 1 %
Return time	1ms
Current limitation	Continuously adjustable
Output	Safety test sockets
Display	Graphic display
Fuse protection	Built-in microfuse
Protection devices	Thermal protection/short-circuit protection
Options	Multi-turn potentiometer for current and voltage
Size	Module rack

Type overview

Art. No.	Description
MN 8284 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–2.5 A and fixed voltage 5 V/3 A; graphic display
MN 8285 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–2.5 A and fixed voltage 5 V/3 A; graphic display
MN 8286 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–2.5 A and fixed voltage 5 V/3 A and ± 15 V/1 A; graphic display
MN 8287 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–2.5 A and fixed voltage 5 V/3 A and ± 15 V/1 A; graphic display
MN 8288 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–5 A and fixed voltage 5 V/10 A; graphic display
MN 8289 UNI	Multiple power supply unit, switched control technology, 2 x 0–30 V, 2 x 0–5 A and fixed voltage 5 V/10 A; graphic display

Spaces for notes

Height-adjustable desk ERGOLevel

ERGOLevel

- Desk with adjustable height
- In three different widths
- Frame colour in graphite black
- Max. load 80 kg
- Special construction on request

ERGOLevel

7 reasons for a height-adjustable desk

1. The cardiovascular system is sufficiently trained.
2. Stimulates the metabolism and increases concentration and performance.
3. Avoiding muscle loss and bone loss.
4. Less headaches and muscle tension in the back and neck due to adequate blood flow.
5. The standing-seat-variety increases your motivation.
6. Prevention of chronic diseases (e. g. diabetes), obesity and depression.
7. Improving the quality of life in the office and increased life expectancy.

60 -	TV -	W -	D -	PV -	EV -	CD -	C
ERGOLevel table	**Table version**	**Table width**	**Table depth**	**Panel version**	**Equipment variant**	**Cable duct**	**Colour**

Example ordering number for ERGOLevel: 60-00-16-08-20-12-22-14

TD		W		D		PV		EV		CD		C	
Basic table with Memory-HV		14	1400 mm	08	800 mm	Melamineresin coating (ME)		Without additional equipment		Opening for cable duct in superstructure		Application colour	
00	Basic table Memory-HV, fixed	16	1600 mm			10	Chipboard with melamineresin coating, thickness 25 mm, with ABS edge banding, colour RAL 7035	00	Without additional equipment	00	Without cable duct	14	Graphit-black (9011)
09	Basic table Memory-HV, mobile	18	1800 mm			HPL laminate (RS/SC)		Cable outlet/ cable tray		20	With cable duct (right)		
						20	HPL laminate panel, thickness 27 mm, with ABS edge banding, colour: RAL 7035	10	With cable outlet	22	With cable duct (left)		
						22	HPL laminate panel (ESD), thickness 27 mm, with ABS edge banding, colour: RAL 7035	12	With cable outlet and cable tray, incl. cable routing	24	With cable duct (left and right)		
								16	With cable outlet and cable tray „XL“				

The future belongs to the desktop that can be transformed into a standing workstation quickly.

BEELIFT

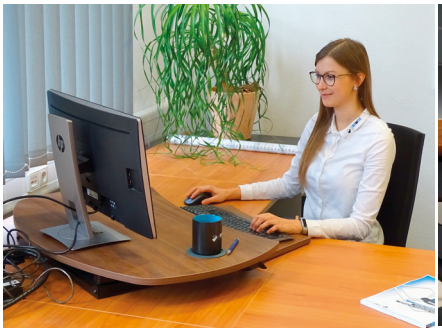
- Stable base frame for a continuous height adjustment
- Cost-effective alternative to retrofitting from existing workplaces
- Easy handling and mounting
- Four different color variants and two different plate variants in two sizes each
- Accessories
- Can bear load maximum 12 kg
- Adjustment range approx. 350 mm
- Incl. keyboard shelf

Model overview

Art. No.	Model	Colour	Dimensions tabletop	Dimensions plate keyboard shelf	Page
HA301030	Curved senior	Light grey	920x600x19mm	600x300x19mm	p. 151
HA301031	Curved senior	White	920x600x19mm	600x300x19mm	
HA301032	Curved senior	black	920x600x19mm	600x300x19mm	
HA301033	Curved senior	walnut	920x600x19mm	600x300x19mm	
HA301034	Curved junior	Light grey	805x580x19mm	600x300x19mm	p. 152
HA301035	Curved junior	White	805x580x19mm	600x300x19mm	
HA301036	Curved junior	Black	805x580x19mm	600x300x19mm	
HA301037	Curved junior	Walnut	805x580x19mm	600x300x19mm	
HA301038	Edge senior	Light grey	920x570x19mm	600x280x19mm	p. 153
HA301039	Edge senior	White	920x570x19mm	600x280x19mm	
HA301040	Edge senior	Black	920x570x19mm	600x280x19mm	
HA301041	Edge senior	Walnut	920x570x19mm	600x280x19mm	
HA301042	Edge junior	Light grey	720x570x19mm	600x280x19mm	p. 154
HA301043	Edge junior	White	720x570x19mm	600x280x19mm	
HA301044	Edge junior	Black	720x570x19mm	600x280x19mm	
HA301045	Edge junior	Walnut	720x570x19mm	600x280x19mm	
ESD variant					
HA301176	Curved senior ESD	Light grey	920x600x19mm	600x300x19mm	p. 155
HA301177	Curved junior ESD	Light grey	805x580x19mm	600x300x19mm	
HA301178	Edge senior ESD	Light grey	920x570x19mm	600x280x19mm	p. 156
HA301179	Edge junior ESD	Light grey	720x570x19mm	600x280x19mm	

BEELIFT
Ergonomic Workplace

Transform your seated workplace into a standing workplace with only one move!



Initial situation:
Seated workplace

Solution:
Continuous height adjustment

Objective:
Standing workplace

Curved Senior

Key Facts

- Attractive, modern design
- Spacious capacity in order to integrate all components
- Suitable for dual monitor

Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301030	Curved senior	Light grey	920x600x19mm	600x300x19mm	BEELIFT model: Curved sen., dimensions: approx. 920x600x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black adjustment range: approx. 350 mm, incl. keyboard shelf
HA301031	Curved senior	White	920x600x19mm	600x300x19mm	BEELIFT model: Curved sen., dimensions: approx. 920x600x100-450mm (WxDxH), colour tabletop: white, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301032	Curved senior	Black	920x600x19mm	600x300x19mm	BEELIFT model: Curved sen., dimensions: approx. 920x600x100-450mm (WxDxH), colour tabletop: black, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301033	Curved senior	Walnut	920x600x19mm	600x300x19mm	BEELIFT model: Curved sen., dimensions: approx. 920x600x100-450mm (WxDxH), colour tabletop: walnut, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf

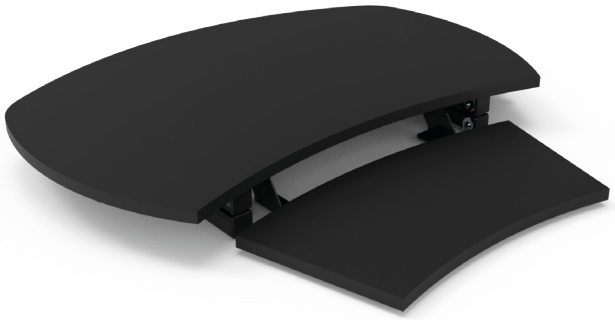
Accessories

Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301046	Extendable board	Light grey
HA301047	Extendable board	White
HA301048	Extendable board	Black
HA301049	Extendable board	Walnut

Curved Junior

Key Facts

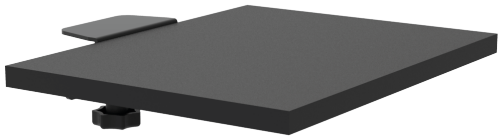
- Attractive, modern design
- Space-saving model for smaller workplaces
- Suitable for single monitor



Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301034	Curved junior	Light grey	805x580x19mm	600x300x19mm	BEELIFT model: Curved jun., dimension: approx. 805x580x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301035	Curved junior	White	805x580x19mm	600x300x19mm	BEELIFT model: Curved jun., dimension: approx. 805x580x100-450mm (WxDxH), colour tabletop: white, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301036	Curved junior	Black	805x580x19mm	600x300x19mm	BEELIFT model: Curved jun., dimensions: approx. 805x580x100-450mm (WxDxH), colour tabletop: black, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301037	Curved junior	Walnut	805x580x19mm	600x300x19mm	BEELIFT model: Curved jun., Maße: ca. 805x580x100-450mm (BxTxH), Farbe Tischplatte: walnuss, Farbe Gestell: schwarz, Verstellbereich: ca. 350 mm, inkl. Tastaturablage

Accessories

Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301046	Extendable board	Light grey
HA301047	Extendable board	White
HA301048	Extendable board	Black
HA301049	Extendable board	Walnut



Edge Senior

Key Facts

- Linear, elegant design
- Generous working space
- Suitable for dual monitor

Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301038	Edge senior	Light grey	920x570x19mm	600x280x19mm	BEELIFT model: Edge sen., dimensions: approx. 920x570x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301039	Edge senior	White	920x570x19mm	600x280x19mm	BEELIFT model: Edge sen., dimensions: approx. 920x570x100-450mm (WxDxH), colour tabletop: white, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301040	Edge senior	Black	920x570x19mm	600x280x19mm	BEELIFT model: Edge sen., dimensions: approx. 920x570x100-450mm (WxDxH), colour tabletop: black, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301041	Edge senior	Walnut	920x570x19mm	600x280x19mm	BEELIFT model: Edge sen., dimensions: approx. 920x570x100-450mm (WxDxH), colour tabletop: walnut, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf

Accessories

Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301046	Extendable board	Light grey
HA301047	Extendable board	White
HA301048	Extendable board	Black
HA301049	Extendable board	Walnut

Edge Junior

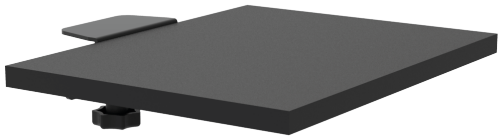
Key Facts

- Linear, elegant design
- Space-saving model for smaller workplaces
- Suitable for single monitor

Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301042	Edge junior	Light grey	720x570x19mm	600x280x19mm	BEELIFT model: Edge jun., dimensions: approx. 720x570x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301043	Edge junior	White	720x570x19mm	600x280x19mm	BEELIFT model: Edge jun., dimensions: approx. 720x570x100-450mm (WxDxH), colour tabletop: white, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301044	Edge junior	Black	720x570x19mm	600x280x19mm	BEELIFT model: Edge jun., dimensions: approx. 720x570x100-450mm (WxDxH), colour tabletop: black, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301045	Edge junior	Walnut	720x570x19mm	600x280x19mm	BEELIFT model: Edge jun., dimensions: approx. 720x570x100-450mm (WxDxH), colour tabletop: walnut, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf

Accessories

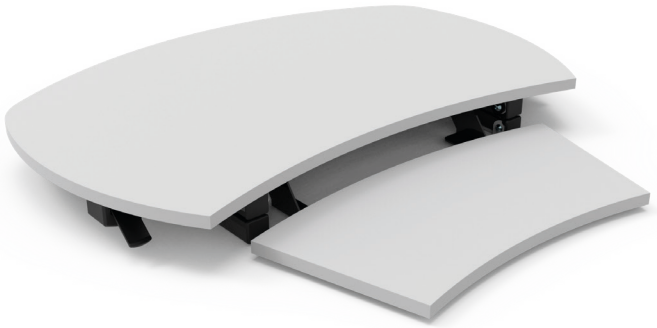
Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301046	Extendable board	Light grey
HA301047	Extendable board	White
HA301048	Extendable board	Black
HA301049	Extendable board	Walnut



BEELIFT – Curved

Key Facts

- Attractive, modern design
- Spacious capacity in order to integrate all components
- Suitable for single and dual monitor
- Only available in the colour light grey



Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301176	Curved senior ESD	Light grey	920x600x19mm	600x300x19mm	BEELIFT model: Curved sen. ESD, dimensions: approx. 920x600x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301177	Curved junior ESD	Light grey	805x580x19mm	600x300x19mm	BEELIFT model: Curved jun. ESD, dimensions: approx. 805x580x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf

Accessories

Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301180	ESD extendable board	Light grey

BEELIFT – Edge

Key Facts

- Linear, elegant design
- Space-saving model for smaller workplaces
- Suitable for single and dual monitor
- Only available in the colour light grey

Art. No.	Model	Colour	Dimension table top	Dimension plate keyboard shelf	Description
HA301178	Edge senior ESD	Light grey	920x570x19mm	600x280x19mm	BEELIFT model: Edge sen. ESD, dimensions: approx. 920x570x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf
HA301179	Edge junior ESD	Light grey	720x570x19mm	600x280x19mm	BEELIFT model: Edge jun. ESD, dimensions: approx. 720x570x100-450mm (WxDxH), colour tabletop: light grey, colour frame: black, adjustment range: approx. 350 mm, incl. keyboard shelf

Accessories

Art. No.	Name	Colour
130076	Monitor holder	Black/alu
HA301180	ESD extendable board	Light grey

Cabinet systems

Cabinet systems

If you want to end up with a seamless laboratory set-up, you need to be able to step back and look at the bigger picture. With this holistic approach in mind, we offer an extensive range of cabinets that fit perfectly with the design of our workplace systems, so you can customise your work environment to suit your specific requirements. Based on a simple design (width 1000 mm x depth 500 mm), we provide tall cabinets, half-height cabinets, side cabinets, corner cabinets and wall-mounted cabinets in a wide range of equipment variants.

The modular set comprising 42 types of cabinet and numerous additional combination options that can be put together using the modules allows you to let your creativity run free when it comes to the design, whilst offering exceptional value for money. If you have any specific requests, we will be happy to produce custom pieces just for you.

Cabinet systems

Quality from the fittings to the finish.

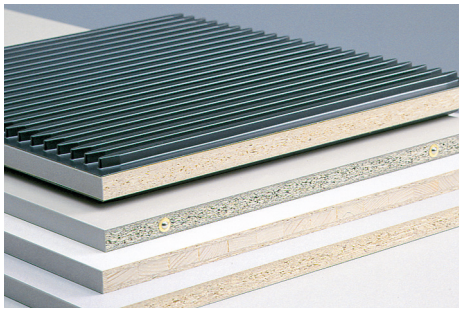
If your furniture reaches up to the ceiling, we offer ladder systems that allow you to access your wall-mounted cabinets with ease. Basic and wall-mounted cabinets can also be used as room dividers.

All of our cabinets come with a back panel, so there is no need to procure these on top.

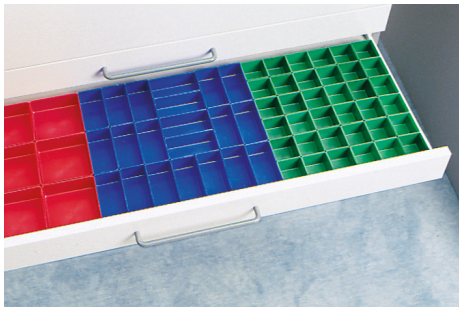
- All shelves are made by special shelf supports with attachment bolts secured
- No shelf can be unintentional be pulled out
- With ESD becomes a safe conduct connection

- Glazing is edged of moldings
- Cables mitred sliced
- Sturdy 3-way security lock is hidden behind the handle

- All-metal design also for the fittings
- For tall cabinets we assemble at least three massive hinges per door



- Shelves with grooved mats for the neat storage of experiment panels are also part of our range alongside
- Reinforced shelves made from special composite panels with a middle layer of glued solid wooden rails
- Our ESD cabinets come with special volume-conductive shelves



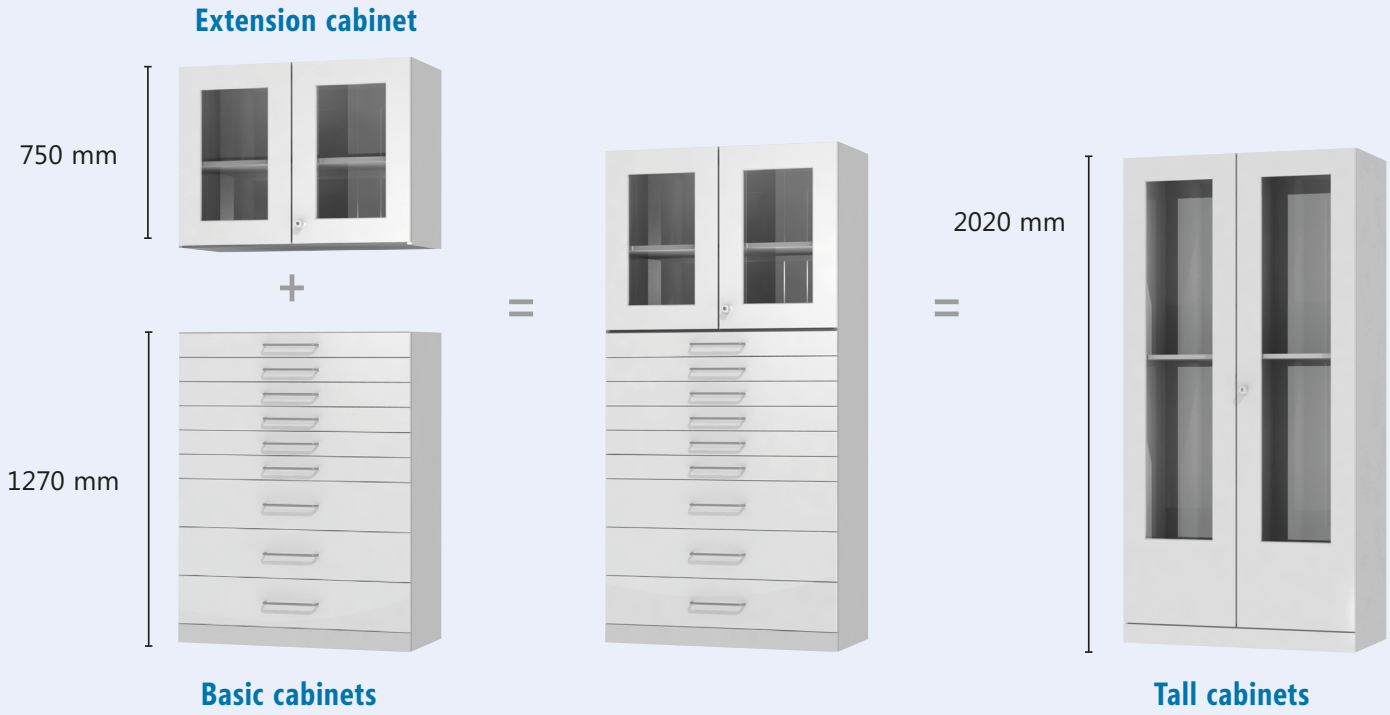
- Drawers individually removable for small parts
- In different sizes available
- For organization in cabinet cupboard drawer.

- Opening angle of door is 270°
- Avoid that the door will be accidentally damaged or even pulled off altogether because of its "yield"

- Hanging frame for paper storage e. g. plans, circuits, manuals.

Attention: Here exists danger of crushing fingers and hands on the hinge line and on the opening of the hinge plate!

In schools: Only in specialist rooms, staffrooms and rooms admitted with limited user circle!



Ultimate versatility thanks to our modular design

Laboratory/Office and Modular cabinets

Modular cabinets are a clever solution that can be combined to create almost endless variants, opening up unprecedented possibilities when it comes to design:

You can let your creativity run wild when combining basic and top cabinets and you will even be getting the best possible value for money too. Basic and top cabinets can be put together to match the "standard" tall cabinets, meaning they can be incorporated seamlessly into any wall unit.

Example of cabinet colours

Basalt grey

Light grey

Front white

Material and finish

We use high-quality materials to produce products with a premium finish.

- Holes drilled in a line down the sides, spacing 32 mm
- Cabinet body made from volume-conductive chipboard
- Cabinets produced using 19 mm chipboard with a melamine coating
- Sturdy cabinet structure guaranteed by dowel connections and cam fittings
- Modular design
- Special designs available

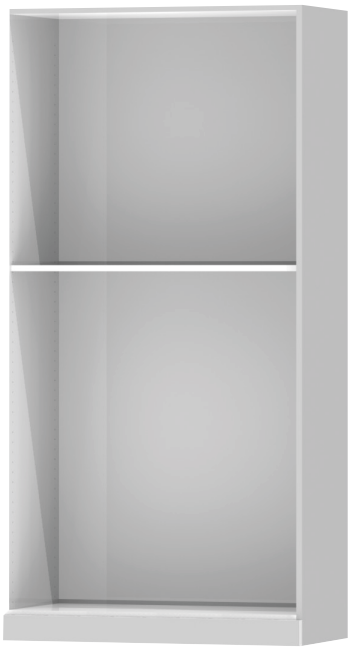
Tall cabinets

Our full range of cabinets is based on a standard design of 1000x500 mm or 500x500 mm with a depth of 500 mm or 600 mm.

But with our flexible production processes, we can make any adjustment you may need to suit your specific requirements. For example, if you need a cabinet with a depth of 400 mm, that's no problem at all. All you need to do is ask! The same applies to modifications to the height and width too.

Equipment:

- Cabinet with structural shelf, thickness 19 mm, no further shelves

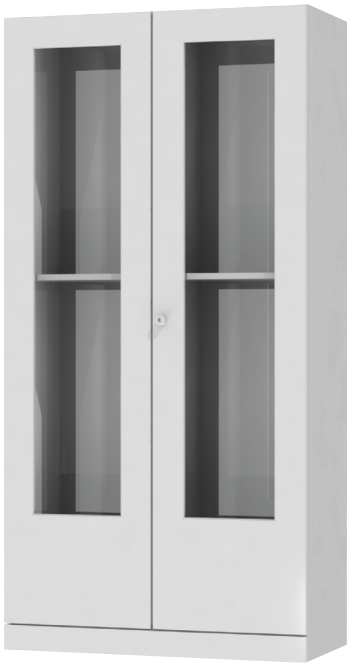


	Key Facts		
	• Open design • 1 structural shelf	• Closed design with hinged doors • 1 structural shelf • 3-way security lock with handle	• Closed design with hinged doors • 2 hanging rails and top shelf • 3-way security lock with handle
Depth	**Art. No.**		
500 mm	**LS 4700 (SC)**	**LS 4701 (SC)**	**LS 4702 (SC)**
600 mm	**LS 4600 (SC)**	**LS 4601 (SC)**	**LS 4602 (SC)**
Height: 2020 mm / width: 1000 mm			

Tall cabinets

	Key Facts
	• Closed design with hinged doors • With glass • 1 structural shelf • 3-way security lock with handle
Depth	**Art. No.**
500 mm	**LS 4703 (SC)**
600 mm	**LS 4603 (SC)**
Height: 2020 mm / width: 1000 mm	

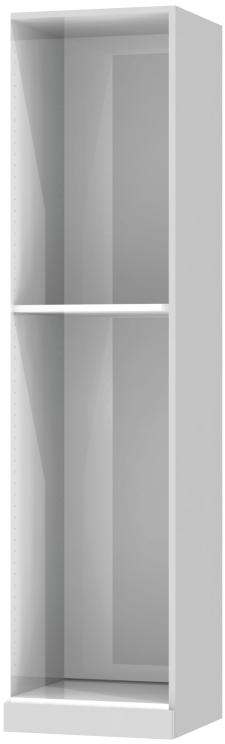
Tall cabinets with central panel

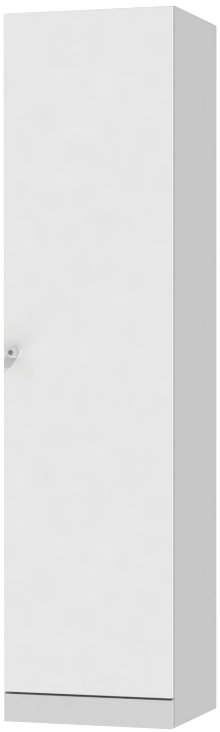


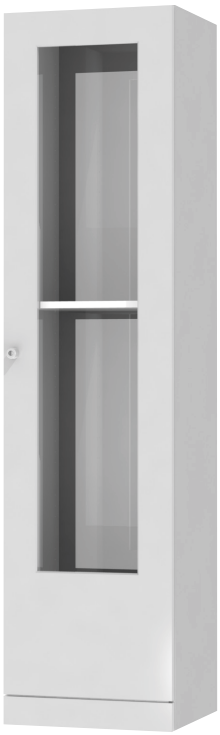
	Key Facts		
	• Closed design with central panel and hinged doors • 2 structural shelves • 3-way security lock with handle	• Closed design with central panel and hinged doors • 1 hanging rail and top shelf • 1 structural shelf • 3-way security lock with handle	• Closed design with hinged doors • With glass • 2 hanging rails and top shelf • 3-way security lock with handle
Depth	**Art.-No.**		
500 mm	**LS 4700 (SC)**	**LS 4701 (SC)**	**LS 4702 (SC)**
600 mm	**LS 4600 (SC)**	**LS 4601 (SC)**	**LS 4602 (SC)**
Height: 2020 mm / width: 1000 mm			

Narrow tall cabinets

We have narrow versions of our tall cabinets too, which come in handy when adapting to the width of a room. We can help you make the most of every last centimetre! Of course, we can also work with dimensions in increments. If there is less than 10 cm remaining in the width, we will use panelling to adjust the sizing. Please don't hesitate to get in touch to find out more.



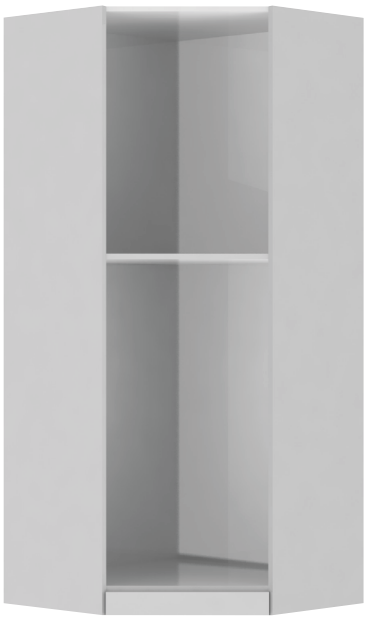


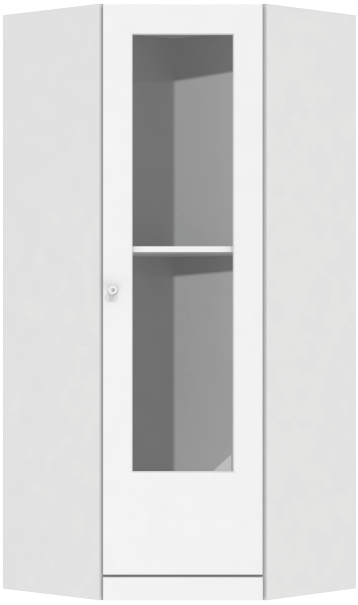


	Key Facts		
	• Open design • 1 structural shelf	• Closed design with hinged door • Hinge on right • 1 structural shelf • 3-way security lock with handle	• Closed design with hinged door • With glass and hinge on right • 3-way security lock with handle
Depth	**Art. No.**		
500 mm	**LS 4720 (SC)**	**LS 4721 (SC)**	**LS 4723 (SC)**
600 mm	**LS 4620 (SC)**	**LS 4621 (SC)**	**LS 4623 (SC)**
Height: 2020 mm / width: 500 mm			

Tall corner cabinets

Tall corner cabinets can be used to create elegant overall solutions that make optimum use of the space available. Not to mention that they provide ample storage space for bulky items.





	Key Facts		
	• Open design • 1 structural shelf	• Closed design with hinged door • Hinge on right • 1 structural shelf • 3-way security lock with handle	• Closed design with hinged door • With glass and hinge on right • 1 structural shelf • 3-way security lock with handle
Depth	**Art. No.**		
500 mm	**LS 4730 (SC)**	**LS 4731 (SC)**	**LS 4733 (SC)**
600 mm	**LS 4630 (SC)**	**LS 4631 (SC)**	**LS 4633 (SC)**
Height: 2020 mm / width: 880 mm			

Wall-mounted cabinets

The wall-mounted cabinets measure 600 mm in height as standard.
From 400/600/800 mm an adjustment is made to the individual room height.
Panels can be assembled on top to fill the space to the ceiling if required.



	Keyfacts		
	• Closed design with hinged doors and handle	• Closed design with hinged doors and handle • Hinge on right	• Closed design with hinged doors and handle • Hinge on right
Depth	**Art. No.**		
500 mm	**LS 4741 (SC)**	**LS 4745 (SC)**	**LS 4735 (SC)**
600 mm	**LS 4641 (SC)**	**LS 4645 (SC)**	**LS 4635 (SC)**
Height: 400/600/800 mm / width: 500/1000 mm			

Extension cabinet with mounted rail

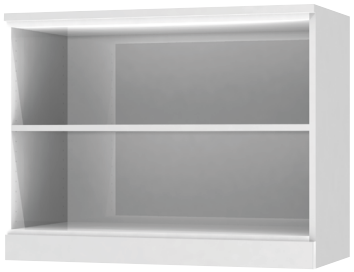


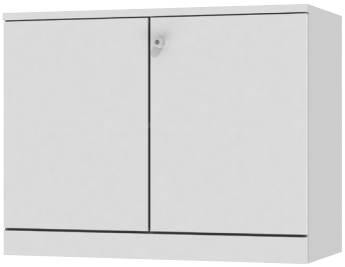
	Key Facts		
	• Closed design with hinged doors and handle • With mounted rail	• Closed design with hinged doors and handle • Hinge on right • With mounted rail	• Closed design with hinged doors and handle • Hinge on right • With mounted rail
Depth	**Art. No.**		
500 mm	**LS 4741 (SC) Reling**	**LS 4745 (SC) Reling**	**LS 4735 (SC) Reling**
600 mm	**LS 4641 (SC) Reling**	**LS 4645 (SC) Reling**	**LS 4635 (SC) Reling**
Height: 400/600/800 mm / width: 500/1000 mm			

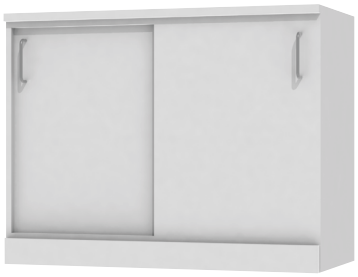
The suitable cabinet ladder for our extension cabinets with mounted rail are on page 174.

Side cabinets at table height

If you order a side cabinet at table height, it will always come with a cover panel on top that matches the thickness of the tabletop. Our side cabinets are a fantastic way of extending your work surfaces or creating additional storage space directly in the work area. Smoothrunning drawers can be added to give you even more storage space that is ideal for keeping all those small electronic components safe. Side cabinets incl. cover panel.







	Key Facts		
	• Open design • 1 structural shelf	• Closed design with hinged doors • 1 structural shelf • 3-way security lock with handle	• Closed design with sliding doors and handles • Vertical central panel • 2 shelves
Depth	**Art. No.**		
500 mm	**LS 4790 (SC)**	**LS 4791 (SC)**	**LS 4794 (SC)**
600 mm	**LS 4690 (SC)**	**LS 4691 (SC)**	**LS 4694 (SC)**
Height: 780 mm / width: 1000 mm			

	Key Facts		
	• 3 drawers | panel height 2HM	• 2 drawers | panel height 1HM • 2 drawers | panel height 2HM	• 4 drawers | panel height 1HM • 1 drawers | panel height 2HM
Depth	**Art. No.**		
500 mm	**LS 4796 (SC)**	**LS 4797 (SC)**	**LS 4798 (SC)**
600 mm	**LS 4696 (SC)**	**LS 4697 (SC)**	**LS 4698 (SC)**
Height: 780 mm / width: 1000 mm | Panel height division 1 HM (height measurement) = approx. 100 mm			

	Keyfacts
	• 6 drawers | panel height 1HM
Depth	**Art. No.**
500 mm	**LS 4799 (SC)**
600 mm	**LS 4699 (SC)**
Height: 780 mm / width: 1000 mm	

Suspension file systems/drawers for very heavy loads

Suspension file system/drawer modules for very heavy loads are equipped with concealed ball cage runners with differential telescopic over-extension pull-outs.

The suspension file frames are permanently welded in place and have a powder coating. The drawers are fitted with steel tray frames on the sides. A self-closing system with a spring mechanism and stop control automatically locks the other drawers once one is already open.

	Key Facts		
	• 3 suspension file systems	• 3 drawers 3HM • 2 suspension file systems	• 4 drawers 2HM • 1 suspension file systems
Depth	**Art. No.**		
500 mm	**LS 4760 (SC)**	**LS 4762 (SC)**	**LS 4764 (SC)**
600 mm	**LS 4660 (SC)**	**LS 4662 (SC)**	**LS 4664 (SC)**
Height: 1270 mm / width: 1000 mm			

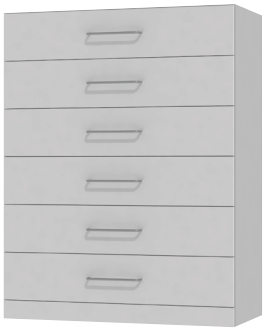
	Key Facts		
	• 1 suspension file systems • 2 drawers 4HR	• 2 drawers 2HM • 2 drawers 4HM	• 4 drawers 2HM • 1 drawers 4HM
Depth	**Art. No.**		
500 mm	**LS 4761 (SC)**	**LS 4763 (SC)**	**LS 4765 (SC)**
600 mm	**LS 4661 (SC)**	**LS 4663 (SC)**	**LS 4665 (SC)**
Height: 1270 mm / width: 1000 mm			

	Key Facts	
	• 6 drawers 2 HM	**Dividing rail for suspension file system:** Art. HA 200446 for depth 600 mm
Depth	**Art. No.**	
500 mm	**LS 4766 (SC)**	
600 mm	**LS 4666 (SC)**	
Height: 1270 mm / width: 1000 mm		

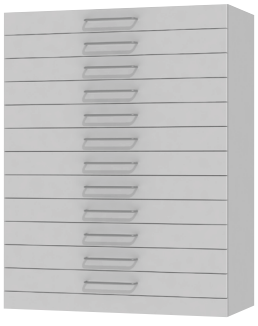
Light pull-outs for small parts/accessories

Within the electronics industry, you are never far from a huge collection of small parts, components and accessories. The cabinet modules shown below are the perfect place for storing these bits and pieces in a neat and tidy way. You just need to use our drawer inserts to get those small parts organised in no time. Don't forget to check out our range of cabinet accessories.

These basic cabinets do not come with a locking system or stop control.



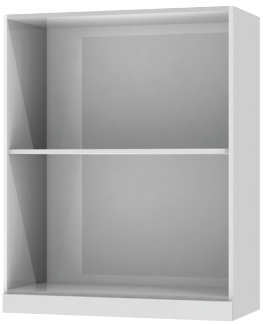
	Key Facts		
	• 6 drawers 2HM	• 4 drawers 1HM • 4 drawers 2HM	• 6 drawers 1HM • 3 drawers 2HM
Depth	**Art. No.**		
500 mm	**LS 4770 (SC)**	**LS 4771 (SC)**	**LS 4772 (SC)**
600 mm	**LS 4670 (SC)**	**LS 4671 (SC)**	**LS 4672 (SC)**
Height: 1270 mm / width: 1000 mm			



	Key Facts
	• 12 drawers 1HM
Depth	**Art. No.**
500 mm	**LS 4773 (SC)**
600 mm	**LS 4673 (SC)**
Height: 1270 mm / width: 1000 mm	

Basic cabinets

Our basic cabinets are always fully assembled when we deliver them. This avoids having to perform the fiddly fine adjustments on site, especially when cabinets have drawers/suspension file systems. The basic cabinets can also be supplied as half-height segments with a cover panel, in which case the total height is 1290 mm. When placing your order, please always specify whether you would like a basic cabinet to be combined with a top cabinet or a cover panel.

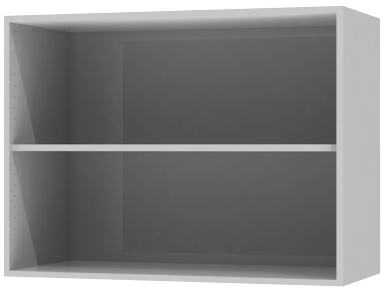


	Key Facts		
	• Open design • 1 shelf	• Closed design with hinged doors • 1 shelf • 3-way security lock with handle	• Closed design with hinged doors • With glass • 1 shelf • 3-way security lock with handle
Depth	**Art. No.**		
500 mm	**LS 4750 (SC)**	**LS 4751 (SC)**	**LS 4753 (SC)**
600 mm	**LS 4650 (SC)**	**LS 4651 (SC)**	**LS 4653 (SC)**
Height: 1270 mm / width: 1000 mm			

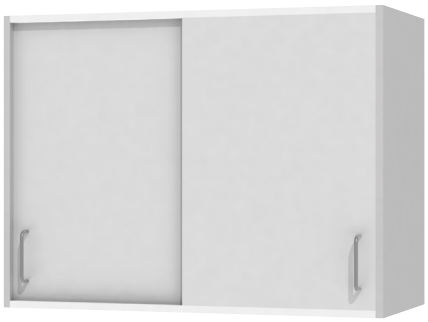
	Key Facts	
	• Closed design with sliding doors, lock and handles • Vertical central panel • 2 shelves	• Shelves
Depth	**Art. No.**	
500 mm	**LS 4754 (SC)**	**LS 4785 (SC)**
600 mm	**LS 4654 (SC)**	**LS 4785 (SC)**
Height: 1270 mm / width: 1000 mm		

Top cabinets

Top cabinets are ideal for adding on to existing cabinets or stacking up on top of one another, providing you with a simple way of creating your own custom cabinet.



	Key Facts		
	• Open design • 1 shelf	• Closed design with hinged doors • 1 shelf • 3-way security lock with handle	• Closed design with hinged doors • With glass • 1 shelf • 3-way security lock with handle
Depth	**Art. No.**		
500 mm	**LS 4780 (SC)**	**LS 4781 (SC)**	**LS 4783 (SC)**
600 mm	**LS 4680 (SC)**	**LS 4681 (SC)**	**LS 4683 (SC)**
Height: 750 mm / width: 1000 mm			



	Key Facts
	• Closed design with sliding doors and handles • Vertical central panel • 1 shelf
Depth	**Art. No.**
500 mm	**LS 4784 (SC)**
600 mm	**LS 4684 (SC)**
Height: 750 mm / width: 1000 mm	

Shelves

Standard/ESD version

Just like the structural shelf included in the basic price of tall cabinets, additional shelves are made from 19 mm fine-grade chipboard with a melamine resin coating on both sides. All shelves can be adjusted using supports and the 32 mm grid pattern, with the supports at the back securing the shelves with studs. ESD shelves are based on 19 mm volume-conductive chipboard with a conductive melamine resin coating. A conductive connection is created via the shelf support.

	Key Facts		
	• Dimensions: 962x445x19mm (WxDxH) • For cabinets, width 1000 mm	• Dimensions: 462x445x19mm (WxDxH) • For narrow cabinets (LS 4720, LS 4721, LS 4723, LS 4745)	• Dimensions: 472x445x19mm (WxDxH) • For cabinets with central panel (LS 4711,LS 4712, LS 4713)
Depth	**Art. No.**		
500 mm	**LS 4200 (SC)**	**LS 4201 (SC)**	**LS 4202 (SC)**
600 mm	**LS 4100 (SC)**	**LS 4101 (SC)**	**LS 4102 (SC)**

	Key Facts
	• Dimensions: 540x440/824x19mm (WxDxH) • For corner cabinets (LS 4730, LS 4731, LS 4733, LS 4735)
Depth	**Art. No.**
500 mm	**LS 4203 (SC)**
600 mm	**LS 4103 (SC)**

Reinforced version

Reinforced shelves are made from special composite panels, measuring 19 mm in thickness and having a melamine resin coating on both sides. The middle layer consists of glued rails and the top layer is a thin piece of chipboard (thickness 4 mm). These shelves are designed to cope with applications that require maximum durability and resistance against sagging. You will be able to identify reinforced shelves even once they have been installed, as they have a white coating. The structural shelves included in the basic price of various cabinets can also be supplied with reinforcement.

	Key Facts	
	• Dimensions: 962x445x19mm (WxDxH) • For cabinets, width 1000 mm	• Structural shelf with reinforcement
Depth	**Art. No.**	
500 mm	**LS 4210**	**LS 4215**
600 mm	**LS 4110**	**LS 4115**

Shelves with grooved mats

Tall cabinets featuring grooved mats can be used as a place to store experiment boards in the standard DIN A4 size. In this case, the standard shelves in your order need to be replaced with shelves with doubled-up, one-sided or two-sided grooved mats. At most, you might need grooved mats on 4 double-sided shelves and 2 one-sided shelves, if you have 5 levels for DIN A4 experiment panels.

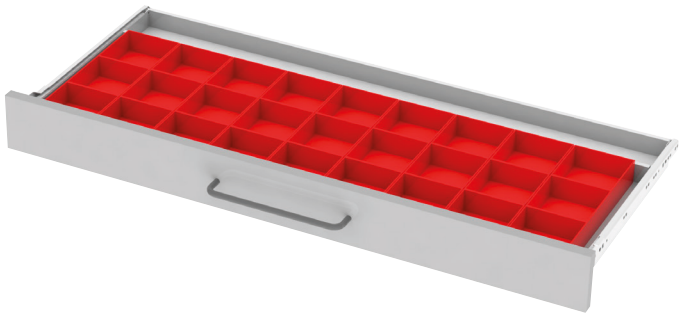
If you don't have such a high demand for these special shelves, they can be combined with our standard shelves as required.

	Key Facts		
	• One-sided grooved mat	• Two-sided grooved mat	• Full cabinet with grooved mats
Depth	**Art. No.**		
500 mm	**LS 4251**	**LS 4253**	**LS 4704**
600 mm	**LS 4152**	**LS 4154**	**LS 4604**

Organising your cabinets

Drawer inserts for small parts

Drawer inserts for small parts can be used to organise basic cabinets LS 4770 to LS 4773. The scope of delivery includes adjustment bars for the back and side of the drawer so you can make sure that your drawer inserts fit perfectly. Each drawer insert for small parts can be removed individually, which is extremely useful when you need to top them up or clean them.



	Key Facts			
	• 36 drawer inserts for small parts • Dimensions: 40x99x99mm (HxWxD)	• 72 drawer inserts for small parts • Dimensions: 40x99x49mm (HxWxD)	• 144 drawer inserts for small parts • Dimensions: 40x99x49mm (HxWxD)	• 48 drawer inserts for small parts • Dimensions: 40x75x75mm (HxWxD) • ESD version from polystyrene
Depth	**Art. No.**			
500 mm	**LS 4255**	**LS 4256**	**LS 4257**	**LS 4259 SC**
600 mm	**LS 4155**	**LS 4156**	**LS 4157**	

Strengthened version

We will also be happy to supply any of the cabinets in our range on steel tube frames upon request. In this case, the frame will take the place of the standard base. The steel tube frames are fitted with levelling screws. If you order your cabinets with steel tube frames, the total heights will be as follows:

Tall cabinets	2142 mm
Modular basic cabinets	1437 mm
Side cabinets	902 mm

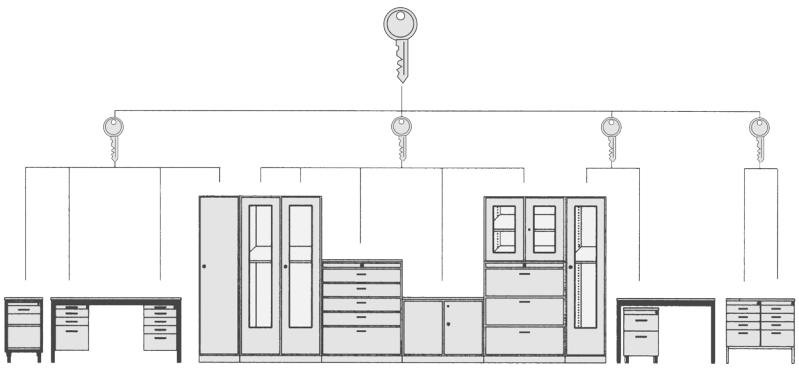
Key Facts	
• For cabinet with a width of 1000 mm • Dimensions: 990x470x200mm	• For cabinet with a width of 500 mm • Dimensions: 490x470x200mm
Art. No.	
LS 4240	**LS 4241**

Cabinet ladder system

AL 7503 Cabinet ladder

Locking systems

The entire furniture range is fitted with locking cylinders that can be used for a master locking system. The matching master keys are available as an extra option. Base units (static and mobile), transport trolleys, tall cabinets, side cabinets and drawer cabinets can then be supplied with locks that can be opened using the same key, different keys or a mixture. One overriding master key can be used to access all pieces of furniture. In the standard version, different locks are installed and a master key is not provided.



Example:
4 different locks, with the cylinders being the same within each of the groups and a master key being provided for the overall set-up.

Identical locks, e.g. for wall units, can be provided at no extra cost. There is also the option to update the locking system at a later stage. Handles (cabinets) and locking bezels (base units) are fitted with lock cores than can be replaced.

You will need a special assembly key to change the lock cores.

Extra options

Master key

1 x master key included in the scope of delivery

Keys for identical locks

The same key is used for all locks, without the need for a master key

Replacment key

A back-up in case another key is lost

Note: In the standard version, all locks are set up to have different keys.

Calm and quiet – a clear edge

Partit ion walls – room acoustics

Dealing with acoustic disturbances in rooms with high ceilings or generous dimensions is often no mean feat. After all, many measures that can be implemented to improve a room's acoustics later down the line either do not work in line with that room's intended function or are simply not seen as desirable to the user for a number of reasons.

However, sound phenomena, such as excessive background noise, difficulty hearing speech, unpleasant flutter echoes and, last but not least, reverberation, are generally unbearable in the long term. Acoustic conditions that enable people to concentrate fully on their work fatigue-free have become a requirement in modern office buildings, spaces containing desks or office spaces, conference and training rooms and anywhere else where people work and communicate with one another.

With our KUBIK system, we are reducing the „sound-absorbing partition wall" equipment segment to the bare essentials. You know what they say – sometimes less really is more! KUBIK features an all-over absorber core that works over the entire thickness of the wall to deliver outstanding acoustic properties. What's more, various angled configurations and partition wall combinations can be created without the need for any tools at all.

If you combine KUBIK with your furniture, you will be pleasantly surprised by just how seamlessly the consistent, minimalistic design fits in with your set-up. You don't have to put up with disruptive background noise any longer. Now you can create a working environment that is nice and quiet in no time, leaving you to concentrate whenever you need to, without having to worry about getting stressed out.

Ease of assembly

Partition walls can be combined using the hook-in latches. Linear joints are thereby created between two partition walls directly, without the need for any tools. System connectors come in handy when angle joints are required. This simple joining technology means that your own staff can be entrusted with the task of assembly, even if they aren't used to manual work.

Flexible handling | Pin board functionality

The partition wall elements are light-weight, making them easy to set up and move around (without having to get any help in). Both sides of our partition walls can double up fully as a pin board.

Unrestricted dimensions

You can adapt the dimensions of the partition walls to match your existing furniture – we can provide you with intermediate dimensions any time at no extra cost.

Acoustic absorption

Thanks to the use of an integrated all-over absorber core in our partition walls, you are guaranteed to see a noticeable improvement in the acoustic conditions in any room they are used in. We will be more than happy to provide you with more information about this and pass on copies of the relevant acoustic test reports on request.

Wide product range

We have a huge selection of colours, materials and surfaces for you to choose from when working on the design. Plus, you always have the option of gradients, chamfered edges, glass elements or different designs for the element sides.

Fire safety

The partition walls can be adapted to comply with fire protection class B1 DIN 4102.

Acoustic partition wall

Sound-absorbing partition wall system

- Wall thickness 40 or 50 mm
- Aluminium end frame, with individual powder coating
- Design without frame possible
- Dimensions not restricted to a grid pattern
- Various angled positions possible
- A wide range of materials and finishes to choose from
- Tool-free assembly thanks to hook-in latches

Textile cover colours:

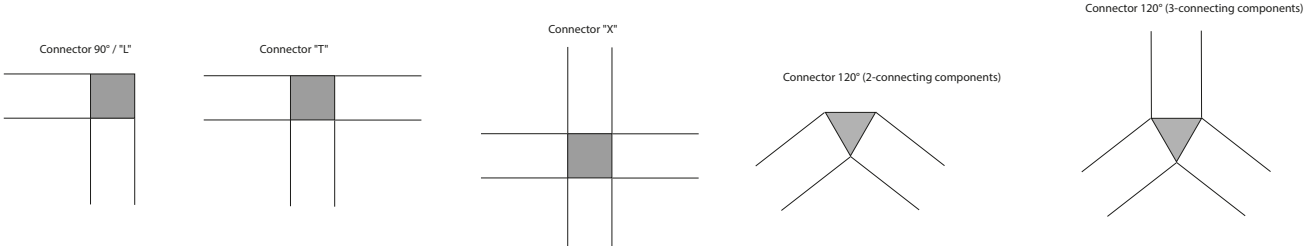
NU016 NU033 NU045 NU04 NU026 NU028 NU029 NU037

Aluminium frame colours (RAL):

9005 9006 9007 9016

Connectors

Using connectors, you can join individual partition wall elements together to create angled configurations. Refer to the diagram above for further details.



All room dividers and sound-absorbing elements available on request

Acoustic wall panels

Our decorative wall absorbers are an effective way of reducing echo times. You can order them with a simple fabric cover or even featuring a digital print of your choice. It goes without saying that we can create custom solutions in any size you need and with any special covering you may desire.

Wall Absorber with digital print

High-quality textile print in 6 colours and a high resolution. Large-format prints/wall coverings are also available.

Wall Absorber with textile cover

We can also supply these with absorber panels that have been divided horizontally/vertically and joined seamlessly (if both the height and width are > 1600 mm).

Workbenches

Made in Germany

komplett MONTIERT

5 Jahre QUALITÄTS GARANTIE

Workbenches

- Our workbenches have a premium powder coating that is environmentally friendly
- The standard combination is lightgrey (RAL 7035) and gentian blue (RAL 5010).
- The coating for all products can be selected from a total of 14 different colours (one or two colour(s)) and combined as desired. This selection is available for the frame/housing as well as the built-in elements.
- This means there are up to 196 different options available for the colour scheme.

BASIC-7 workbenches

- Dimensions: Width 1000, 1250, 1500 and 2000 mm | Depth 700 mm | Height 840 mm
- Solid beech work surface (thickness 40 mm) with finishing veneer on both sides
- Modular system comprising solid workbench stands and base unit filing cabinets (W 580 x D 650 mm)
- Drawers: Load capacity 100 kg, pull-out approx. 90%, inside W 490 x D 560 mm
- Doors: Opening width 180°, self-closing spring hinges
- Fully integrated handles and central locking (lock with 2 keys)
- Distributed load max. 1000 kg (with base unit filing cabinet and workbench stand) or max. 750 kg (with 2 workbench stands)
- Powder coating in light grey (RAL 7035) and gentian blue (RAL 5010)
- Fully assembled when delivered

- 2 x Drawers (180 mm)

WxDxH	Art. No.
1000x700x840mm	03 7125I1-107R4S.11
1250x700x840mm	03 7125I1-127R4S.11
1500x700x840mm	03 7125I1-157R4S.11
2000x700x840mm	03 7125I1-207R4S.11

- 2 x Drawers (360 mm)
- 1 x Drawer (180 mm)
- 1 x Hinged door (540 mm) with 1 x Shelf behind the door

WxDxH	Art. No.
1000x700x840mm	03 7502I1-107R4S.11
1250x700x 840mm	03 7502I1-127R4S.11
1500x700x840mm	03 7502I1-157R4S.11
2000x700x840mm	03 7502I1-207R4S.11

- 4 x Drawers (180 mm)

WxDxH	Art. No.
1000x700x840mm	03 7509I1-107R4S.11
1250x700x840mm	03 7509I1-127R4S.11
1500x700x840mm	03 7509I1-157R4S.11
2000x700x840mm	03 7509I1-207R4S.11

- 5 x Drawers (2 x 120 mm, 2 x 150 mm, 1 x 180 mm)

WxDxH	Art. No.
1000x700x840mm	03 7513I1-107R4S.11
1250x700x840mm	03 7513I1-127R4S.11
1500x700x840mm	03 7513I1-157R4S.11
2000x700x840mm	03 7513I1-207R4S.11

BASIC-8 workbenches

- Dimensions: Width 750, 1000, 1250, 1500 and 2000 mm | Depth 700 mm | Height 840 mm or adjustable between 840 and 1040 mm
- Solid beech work surface (thickness 40 mm) with finishing veneer on both sides
- Welded construction with profile steel tube frame legs (45 x 45 x 2 mm) incl. cross beams along the depth (top and bottom) and along the width at the top (front and back) and bottom (back)
- Frame legs with end element incl. anti-slip pad for added stability
- Drawers: Load capacity 100 kg, pull-out approx. 90%, inside W 490 x D 560 mm
- Doors: Opening width 180°, self-closing spring hinges
- Fully integrated handles and central locking (lock with 2 keys)
- Distributed load max. 1250 kg
- Powder coating in light grey (RAL 7035) and gentian blue (RAL 5010)
- Fully assembled when delivered

WxDxH	Art. No.
750x700x840mm	03 8000-1-077R4S.12
1000x700x840mm	03 8000-1-107R4S.12
1250x700x840mm	03 8000-1-127R4S.12
1500x700x840mm	03 8000-1-157R4S.12
2000x700x840mm	03 8000-1-207R4S.12

- 1 x Drawers 1 x 150 mm (Load capacity 50 kg)

WxDxH	Art. No.
750x700x840mm	03 8001I1-077R4S.11
1000x700x840mm	03 8001I1-107R4S.11
1250x700x840mm	03 8001I1-127R4S.11
1500x700x840mm	03 8001I1-157R4S.11
2000x700x840mm	03 8001I1-207R4S.11

Sheet steel shelf
Height: 40 mm
Depth: 650 mm
Shelf height: 620 mm

WxDxH	Art. No.
750x700x840mm	03 8000-6-077R4S.12
1000x700x840mm	03 8000-6-107R4S.12
1250x700x840mm	03 8000-6-127R4S.12
1500x700x840mm	03 8000-6-157R4S.12
2000x700x840mm	03 8000-6-207R4S.12

- 1 x Drawers (150 mm with load capacity 50 kg)

Sheet steel shelf
Height: 40 mm
Depth: 650 mm
Shelf height: 445/620 mm

WxDxH	Art. No.
750x700x840mm	03 8001I6-077R4S.11
1000x700x840mm	03 8001I6-107R4S.11
1250x700x840mm	03 8001I6-127R4S.11
1500x700x840mm	03 8001I6-157R4S.11
2000x700x840mm	03 8001I6-207R4S.11

- 1 x Drawer (180 mm)
- 1 x Hinged door (360 mm)

WxDxH	Art. No.
750x700x840mm	03 8152I2-077R4S.11
1000x700x840mm	03 8152I1-107R4S.11
1250x700x840mm	03 8152I1-127R4S.11
1500x700x840mm	03 8152I1-157R4S.11
2000x700x840mm	03 8152I1-207R4S.11

- 3 x Drawers (180 mm)

WxDxH	Art. No.
750x700x840mm	03 8157I2-077R4S.11
1000x700x840mm	03 8157I1-107R4S.11
1250x700x840mm	03 8157I1-127R4S.11
1500x700x840mm	03 8157I1-157R4S.11
2000x700x840mm	03 8157I1-207R4S.11

- 2 x Drawers (180 mm)
- 2 x Hinged doors (360 mm)

WxDxH	Art. No.
1250x700x840mm	03 8466I2-127R4S.11
1500x700x840mm	03 8466I2-157R4S.11

- 3 x Drawers (180 mm)
- 1 x Hinged door (540 mm) with 1 x Shelf behind the door

WxDxH	Art. No.
1250x700x840mm	03 8468I2-127R4S.11
1500x700x840mm	03 8468I2-157R4S.11

- 2 x Drawers (180 mm)
- 1 x Shelf
- 2 x Hinged door (360 mm)

WxDxH	Art. No.
2000x700x840mm	03 8551I2-207R4S.11

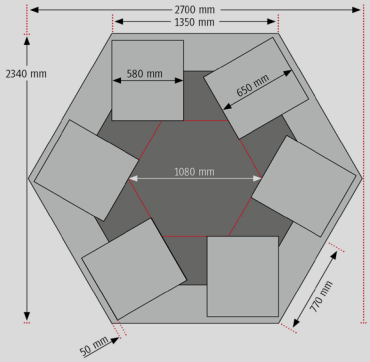
- 2 x Hinged doors (540 mm), with 1 x Shelf behind the door
- 3 x Drawers (180 mm)

WxDxH	Art. No.
2000x700x840mm	03 8569I2-207R4S.11

Group workbenches, 4000 range

Group workbenches, 4000 range

- Edge length 1350 mm | Height 840 mm or 890 mm and adjustable between 790 and 1140 mm
- Distributed load max. 1000 kg (or max. 750 kg with workbench stands)
- Solid beech work surface, thickness 40 mm
- Beech beams with glued finger-joints
- Protective layer of environmentally friendly linseed oil varnish
- 2-part panel with tongue and groove joint
- Functional base unit with:
  C-profile frame legs (70 x 50 x 2 mm) incl. cross beams along the depth (top and bottom) and usable surface measuring 120 mm in width (top)
- Base unit filing cabinet (W 580 x D 650 mm)
- Drawers with roller-bearing runners
  Pull-out approx. 90%, stop control.
  Size L: inside width 490 x depth 560 mm, load capacity 100 kg.
- Doors with opening angle of 180° and self-closing spring hinges
- Quick and straightforward assembly.
- Environmentally friendly powder coating:
  Frames/housing: Light grey (RAL 7035)
  Drawers/doors: Gentian blue (RAL 5010).



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Solid beech work surface with an edge length of 1350 mm (2 parts)
- 6 x workbench stand
- 6 x L drawers, 1 x 150 mm

Models with energy attachment:
Energy attachment (height 145 mm) made of sheet steel with solid beech cover panel, edge length 540 mm

Fittings:
- 6 x 2 earthed sockets with folding cover 230V, 16A
- 6 x 1 CEE socket with folding cover 440V, 16A
- 6 x 1 quick coupling for compressed air ¼"
- 6 x 4 cables for connecting built-in elements to terminal

		Without energy attachment	With energy attachment
Height (mm)	Panel thickness	Art. No.	Art. No.
840 mm	40 mm	03 401-135B4S.11	03 401-135B4S-EA1.11
850 mm	50 mm	03 401-135B5S.11	03 401-135B5S-EA1.11
790 - 1140 mm	40 mm	03 401-135B4H.11	03 401-135B4H-EA1.11
800 - 1150 mm	50 mm	03 401-135B5H.11	03 401-135B5H-EA1.11

Solid beech work surface with an edge length of 1350 mm (2 parts)
- 6 x base unit filing cabinets 580x650mm (WxD)
  Each with 5 x L drawers 1 x 60, 1 x 90, 1 x 120, 1 x 180, 1 x 270 mm

Models with energy attachment:
Energy attachment (height 145 mm) made of sheet steel with solid beech cover panel, edge length 540 mm

Fittings:
- 6 x 2 earthed sockets with folding cover 230V, 16A
- 6 x 1 CEE socket with folding cover 440V, 16A
- 6 x 1 quick coupling for compressed air ¼"
- 6 x 4 cables for connecting built-in elements to terminal

		Without energy attachment	With energy attachment
Height (mm)	Panel thickness	Art. No.	Art. No.
840 mm	40 mm	03 499-135B4S.11	03 499-135B4S-EA1.11
850 mm	50 mm	03 499-135B5S.11	03 499-135B5S-EA1.11
890 mm	40 mm	03 499-135B4M.11	03 499-135B4M-EA1.11
900 mm	50 mm	03 499-135B5M.11	03 499-135B5M-EA1.11

Solid beech work surface with an edge length of 1350 mm (2 parts)
- 6 x base unit filing cabinets 580x650mm (WxD)
  Each with 2 x L drawers 2 x 90 mm, 1 x L door 1 x 540 mm,
  with 1 x L shelf behind door

Models with energy attachment:
Energy attachment (height 145 mm) made of sheet steel with solid beech cover panel, edge length 540 mm

Fittings:
- 6 x 2 earthed sockets with folding cover 230V, 16A
- 6 x 1 CEE socket with folding cover 440V, 16A
- 6 x 1 quick coupling for compressed air ¼"
- 6 x 4 cables for connecting built-in elements to terminal

		Without energy attachment	With energy attachment
Height (mm)	Panel thickness	Art. No.	Art. No.
840 mm	40 mm	03 492-135B5S.11	03 492-135B5S-EA1.11
850 mm	50 mm	03 492-135B4S.11	03 492-135B4M-EA1.11
890 mm	40 mm	03 492-135B4M.11	03 492-135B4S-EA1.11
900 mm	50 mm	03 492-135B5M.11	03 492-135B5M-EA1.11

Workbench accessories

Workbenches accessories

- From board raised edging to shelves and dividers for drawers

Board raised edging

WxDxH	Art. No.
750x15x100mm	09 BB0750
1000x15x100mm	09 BB1000
1250x15x100mm	09 BB1250
1500x15x100mm	09 BB1500
2000x15x100mm	09 BB2000

Material: beech plywood

Shelves

Shelf with raised edge on 3 sides

WxDxH	Art. No.
750x300x375mm	09 AL0750.12
1000x300x375mm	09 AL1000.12
1250x300x375mm	09 AL1250.12
1500x300x375mm	09 AL1500.12
2000x300x375mm	09 AL2000.12

Material: Sheet steel

Perforated panel with holders

- Perforated panel with edge system perforation
- Incl. 2 trays and 12-part holder set

Width	Art. No.
750 mm	09 L0750DM-01.12
1000 mm	09 L1000DM-01.12
1250 mm	09 L1250DM-01.12
1500 mm	09 L1500DM-01.12
2000 mm	09 L2000DM-01.12

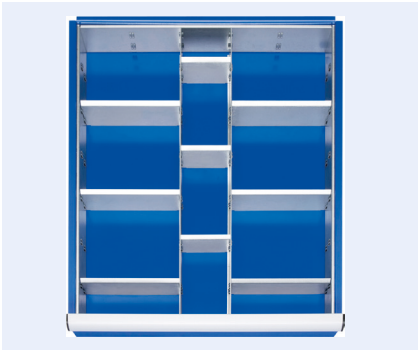
Divison set for drawer

- For L drawer
- Inside 490x560mm (WxD)

Height	Art. No.
60 - 90 mm	09 200-19
120 - 150 mm	09 200-18
180 - 360 mm	09 200-14

The set consists of the following parts:

- 1 x Partition panel 560 mm
- 4 x Dividers
  2 x 190 mm
  2 x 285 mm



- For L drawer
- Inside 490x560mm (WxD)

Height	Art. No.
60 - 90 mm	09 200-21
120 - 150 mm	09 200-20
180 - 360 mm	09 200-15

The set consists of the following parts:

- 2 x Partition panel 560 mm
- 9 x Dividers
  3 x 95 mm
  6 x 190 mm

Small part trays

- For L drawer (inside WxD: 490x560mm) with 16 compartments for small items

Height	Working height	Art No.
60 - 90 mm	40 mm	09 200-25
120 - 360 mm	90 mm	09 200-26

The set consists of the following parts:

- 12 x 128x128mm (WxW)
- 4 x 60x128mm (WxD)

Non-slip mat

- Dimensions: 490x560 (BxT)
- Can also be used in conjunction with the other sets

Height	Art. No.
60 - 360 mm	09 ARM-L

Publisher and production:

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General notes:

Please refer to the BeeWaTec user manual for the information relevant to the holding and tightening forces.

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