



Ergonomic desk height at the touch of a button:
LegaDrive Systems power assisted desk support

Technik für Möbel


Hettich

For maximum productivity: LegaDrive Systems



The healthier, more efficient way to work – with LegaDrive Systems

Height adjustable desks and tables are becoming more and more popular in office and contract furnishing. Because many employers know: ergonomic workstations help to keep staff in good health and boost work productivity in the long term.

Alternating work posture between sitting and standing is an effective way to avoid back pain and back disorders. In other words, LegaDrive Systems helps to reduce the number of work days lost through sickness.

Ergonomics simply from the power socket

More work efficiency: sitting one minute, standing the next – with LegaDrive Systems, the user quickly and easily finds the ideal posture for working at the desk. Because desk height can be set to any chosen level simply at the touch of a button. Infinitely variable adjustability over a lifting range of 675 mm. The powerful yet beautifully quiet lifting movement says quality and reliability.

More storage space: as LegaDrive Systems needs no cross member, a mobile pedestal easily fits under the desk top. A further advantage of sit/stand desks is shown in combination with high rise pedestals: storage space remains easily accessible even in the standing work position.

Greater design flexibility: the column's design fits harmoniously into modern work environments. Desk tops can be configured in any width and depth. Making it easy to match desk formats to application needs.



Unequalled variety: LegaDrive Systems modular principle



Basis for working the ergonomic way. Power adjustable desks and tables with LegaDrive Systems. Working in a relaxed sitting position or standing up for a back friendly posture.



This is where every team is ideally positioned for the job. LegaDrive Systems makes it really easy for you to create 90° angled desks. Perfect for teamwork and meetings.



Modular or as a set

In next to no time, LegaDrive Systems lets you configure a desk in just the way you want it. The modular system gives you the last word in creative flexibility: you have a choice of surfaces in classic silver, anthracite or fashionable white. And an unlimited variety of shapes.

Or you can opt for our ready configured sets: there's a choice of 2 colours and 3 desk shapes: Basic, 90° angled and 135° angled.

The sets contain all desk support components and include the electronics. Also available for large desk surfaces.



Ergonomic, spacious, stylish – the executive office with 135° angled desk.



Brings activity to meetings: with LegaDrive Systems, conferences can also be held standing up.

This really gets a meeting moving





Besides classic work desks and angled solutions, you can also adjust the height of large conference tables with LegaDrive Systems. Get meeting and conferences moving – simply at the press of a button.

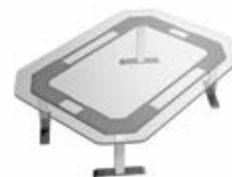
Technical details in brief

- ▶ Power assisted, height adjustable desk support system
 - ▶ Double telescoping workstations to sit or stand at
 - ▶ Lifting range 675 mm
 - ▶ Height adjustment from 620 – 1295 mm
 - ▶ Drive system fully integrated in the lifting column
 - ▶ Lifting capacity for 2-3 columns 120 kg each additional column + 40 kg
- Example calculation:
Desk with 5 columns → $120 + 40 + 40 = 200$ kg
- ▶ High stability of overall system without cross member
 - ▶ As many as 12 lifting columns can be synchronised with precision

- LegaDrive Systems
- Summary / configuration




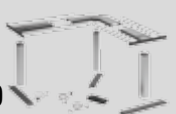
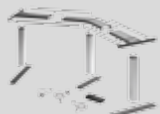
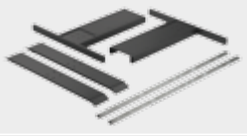




Module / set →			Desk support frame set Basic		Desk support frame set, 90° angled	
↓		Finish	White	Anthracite	White	Anthracite
		Order no.	9 193 253	9 193 251	9 193 256	9 193 255
Frame module Basic 	White	9 186 404	1x		1x	
	Anthracite	9 186 405		1x		1x
Frame module 90° angled 	White	9 186 406			1x	
	Anthracite	9 186 407				1x
Frame module 135° angled 	White	9 186 408				
	Anthracite	9 186 409				
LegaDrive lifting column 	White	9 186 413	2x		3x	
	Silver	9 186 412		2x		3x
Electronics module 	Black	9 190 608	1x	1x	1x	1x
Electronics extension module 	Black	9 190 609				
Cascading cable 	Black	9 188 864				



Desk support frame set, 135° angled		Conference table, U shaped		Conference table, round		Conference table, rectangular	
White	Anthracite	White	Anthracite	White	Anthracite	White	Anthracite
9 193 258	9 193 257	-	-	-	-	-	-
1x		1x					
	1x		1x				
		2x				4x	
			2x				4x
1x		1x		8x			
	1x		1x		8x		
3x		5x		8x		4x	
	3x		5x		8x		4x
1x	1x	1x	1x	1x	1x	1x	1x
		1x	1x	2x	2x	1x	1x
		2x	2x	3x	3x	2x	2x

Desk support with power assisted height adjustment

- ▶ LegaDrive Systems
- ▶ Desk support frame sets

		Desks - These working desk support frames are available as sets -		
		Basic (Page 7) 	90° angled (Page 8) 	135° angled (Page 9) 
Frame module Basic		1x	1x	1x
Frame module 90° angled			1x	
Frame module 135° angled				1x
LegaDrive lifting column		2x	3x	3x
Electronics module		1x	1x	1x

The fastest way to the desk you want: desk support frame sets.

Basic, 90° angled and 135° angled – these three LegaDrive sets provide the key to meeting the central demands on designing modern office environments. Turning them into practice couldn't be easier: the sets come ready configured – and include all system components.

You benefit from straightforward ordering and logistics.

"Built in" GS tested safety certification

Are you looking for the easiest way possible to get TÜV's GS tested safety certification for the desk you make?

In that case, there's no other choice than to go for the configurations that we have designed and certified by TÜV.

Desk support with power assisted height adjustment

- ▶ LegaDrive Systems
- ▶ Desk support frame sets

Desk support frame set Basic



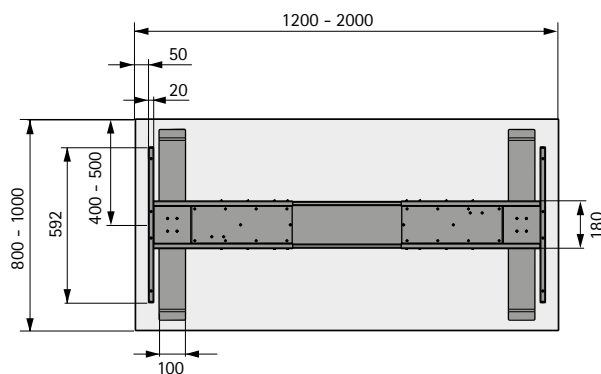
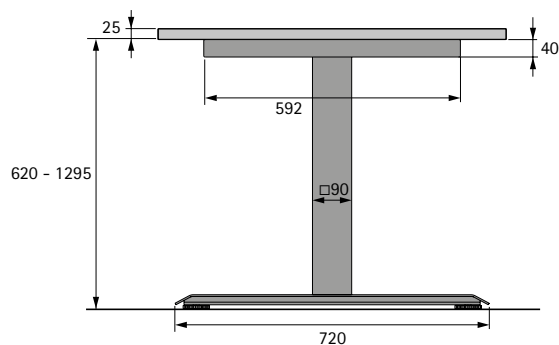
- ▶ For desk top sizes:
 - Depth: 800 - 1000 mm
 - Width: 1200 - 2000 mm
- ▶ Desk top support frame width adjustable in steps of 50 mm
- ▶ Power assisted height adjustment from 620 - 1295 mm
- ▶ Lifting range 675 mm; max. lifting capacity 120 kg with desk evenly loaded (lifting capacity = payload + desk top with desk top support)
- ▶ Height adjustment with soft start
- ▶ Nominal voltage 230 V / 50 Hz
- ▶ Low energy consumption (0.3 W max. in standby)
- ▶ Speed 40 mm/s
- ▶ With collision detection (no personal protection)

Set comprises:

- ▶ 2 power assisted telescopic LegaDrive lifting columns
- ▶ 2 foot extensions, 720 mm
- ▶ 1 set of width adjustable desk support frames
- ▶ 1 electronic control unit
- ▶ 1 mains power connection cable, EU, length 3 m
- ▶ 1 Basic handset
- ▶ Assembly material and assembly instructions

Finish	Order no.	PU
Support frame components, white, powder coated Lifting column, white, powder coated	9 193 253	1 set
Support frame components, anthracite, powder coated Lifting columns, aluminium, silver anodised	9 193 251	1 set

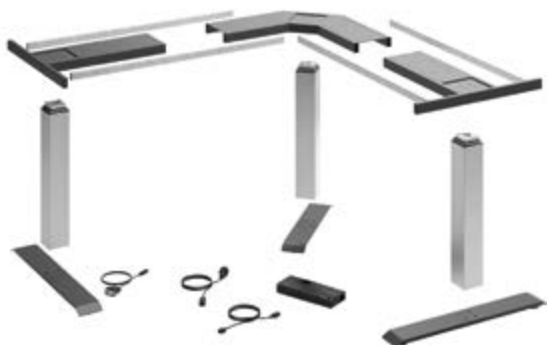
Configuration example



Desk support with power assisted height adjustment

- LegaDrive Systems
- Desk support frame sets

Desk support frame set, 90° angled



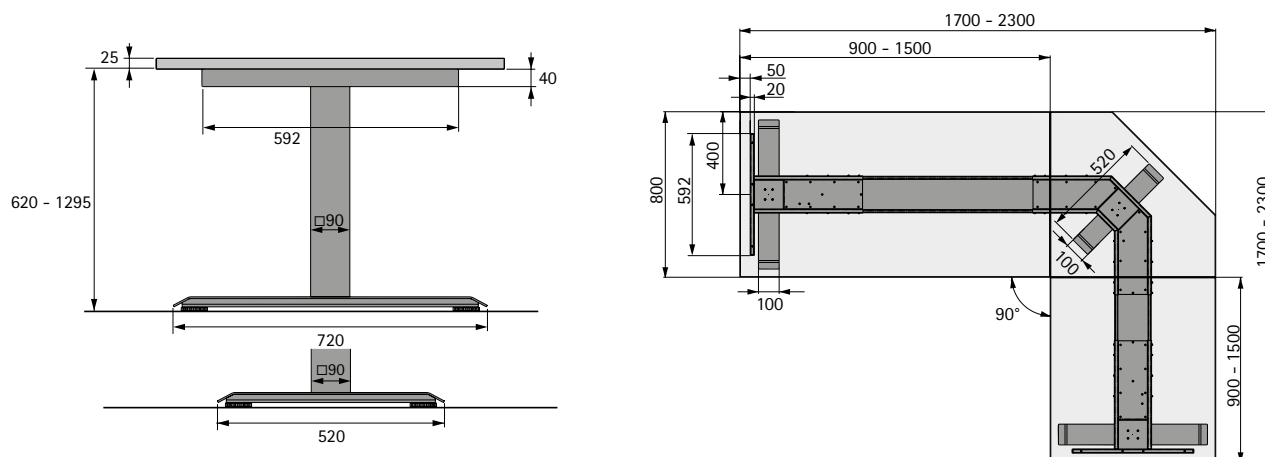
- For desk tops:
For size, see configuration example below
Desk top support frame width adjustable in steps 50 mm
- Power assisted height adjustment from 620 – 1295 mm
- Lifting range 675 mm; max. lifting capacity 120 kg with desk evenly loaded (lifting capacity = payload + desk top with desk top support)
- Height adjustment with soft start
- Nominal voltage 230 V / 50 Hz
- Low energy consumption (0.3 W max. in standby)
- Speed 40 mm/s
- With collision detection (no personal protection)

Set comprises:

- 3 power assisted telescopic LegaDrive lifting columns
- 2 foot extensions, 720 mm
- 1 foot extension, 520 mm
- 1 set of width adjustable desk top support frames, 90° angled
- 1 electronic control unit
- 1 mains power connection cable, EU, length 3 m
- 1 motor extension lead
- 1 Basic handset
- Assembly material and assembly instructions

Finish	Order no.	PU
Support frame components, white, powder coated Lifting column, white, powder coated	9 193 256	1 set
Support frame components, anthracite, powder coated Lifting columns, aluminium, silver anodised	9 193 255	1 set

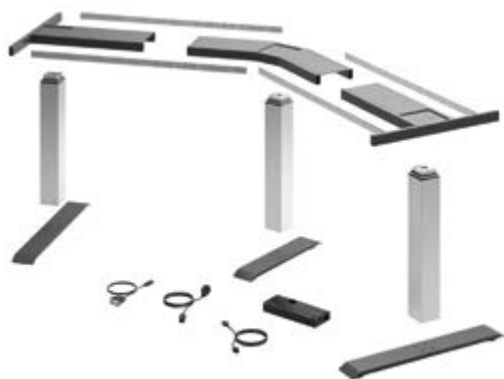
Configuration example



Desk support with power assisted height adjustment

- LegaDrive Systems
- Desk support frame sets

Desk support frame set, 135° angled



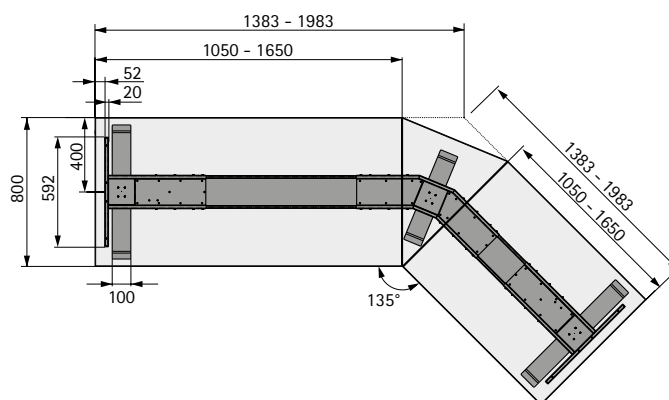
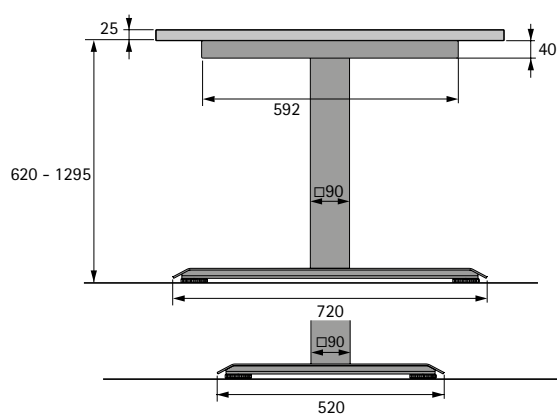
- For desk tops:
For size, see configuration example below
Desk top support frame width adjustable in steps 50 mm
- Power assisted height adjustment from 620 – 1295 mm
- Lifting range 675 mm; max. lifting capacity 120 kg with desk evenly loaded (lifting capacity = payload + desk top with desk top support)
- Height adjustment with soft start
- Nominal voltage 230 V / 50 Hz
- Low energy consumption (0.3 W max. in standby)
- Speed 40 mm/s
- With collision detection (no personal protection)

Set comprises:

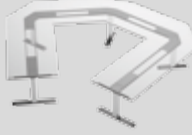

- 3 power assisted telescopic LegaDrive lifting columns
- 2 foot extensions, 720 mm
- 1 foot extension, 520 mm
- 1 set of width adjustable desk top support frames, 135° angled
- 1 electronic control unit
- 1 mains power connection cable, EU, length 3 m
- 1 motor extension lead
- 1 Basic handset
- Assembly material and assembly instructions

Finish	Order no.	PU
Support frame components, white, powder coated Lifting column, white, powder coated	9 193 258	1 set
Support frame components, anthracite, powder coated Lifting columns, aluminium, silver anodised	9 193 257	1 set

Configuration example



- LegaDrive Systems
- Modules

Conference tables - Modules can be combined in any chosen way -		
	U shaped	Round
		
Frame module Basic	1x	
Frame module 90° angled	2x	
Frame module 135° angled	1x	8x
LegaDrive lifting column	5x	8x
Electronics module	1x	1x
Electronics extension module	1x	2x
Cascading cable	2x	3x

Height adjustable desks made to measure: LegaDrive Systems.

Customise height adjustable desks exactly to individual needs – with LegaDrive Systems. Because in addition to the desk support frame sets, LegaDrive Systems is also available in the form of individual modules.

Creating LegaDrive Systems, Hettich has taken the benefits of the modular principle and applied them to height adjustable desk support frames. In just the same way as with our successful organisational systems for office furniture, you can now also configure desk support frames to suit customer-specific requirements.

With the support frame and electronics modules from LegaDrive Systems, you will be placing your height adjustable desks on a high quality technical foundation. We will be pleased to assist you with any questions on height adjustable desk support frames and on your specific design needs.

Hettich has been the innovative and reliable partner to office furniture manufacturers for many years, becoming the brand leader in organisational systems in office furniture, for example.

- ▶ LegaDrive Systems
- ▶ Frame modules

Frame module Basic



- ▶ For desk top sizes:
 - Depth: 800 – 1000 mm
 - Width: 1200 – 2000 mm
- ▶ Width adjustable in steps of 50 mm

Module comprises:

- ▶ 2 desk top support frames
- ▶ 2 connecting profiles
- ▶ 2 foot extensions, 720 mm
- ▶ Assembly material

Finish	Order no.	PU
white, powder coated	9 186 404	1 set
anthracite, powder coated	9 186 405	1 set

Frame module, 90° angled



- ▶ For desk top sizes:
 - see configuration dimensions on page 19
- ▶ Width adjustable in steps of 50 mm

Module comprises:

- ▶ 1 desk top corner frame, 90° angled
- ▶ 2 connecting profiles
- ▶ 1 foot extensions, 520 mm
- ▶ 1 motor extension lead
- ▶ Assembly material

Finish	Order no.	PU
white, powder coated	9 186 406	1 set
anthracite, powder coated	9 186 407	1 set

Frame module, 135° angled



- ▶ For desk top sizes:
 - see configuration dimensions on page 19
- ▶ Width adjustable in steps of 50 mm

Module comprises:

- ▶ 1 desk top corner frame, 135° angled
- ▶ 2 connecting profiles
- ▶ 1 foot extensions, 520 mm
- ▶ 1 motor extension lead
- ▶ Assembly material

Finish	Order no.	PU
white, powder coated	9 186 408	1 set
anthracite, powder coated	9 186 409	1 set

We will be pleased to provide you with desk support configurations for any other geometries or desk top sizes you may require. Please ask us for details.

- ▶ LegaDrive Systems
- ▶ LegaDrive lifting columns, electronics module

LegaDrive lifting column



- ▶ Power assisted lifting column, square cross section 90 x 90 mm
- ▶ Power assisted height adjustment from 575 mm to 1250 mm, lifting range 675 mm
- ▶ 80 kg dynamic lifting capacity for 1 lifting column. Integrated in the desk with 2-3 columns dynamic lifting capacity of 120 kg (see page 7-9)

Finish	Order no.	PU
white, powder coated	9 186 413	1 ea.
Aluminium, silver anodised	9 186 412	1 ea.

Electronics module



- ▶ Height adjustment with soft start
- ▶ Nominal voltage 230 V / 50 Hz
- ▶ Low energy consumption (0.3 W max. in standby)
- ▶ Speed 40 mm/s
- ▶ With collision detection (no personal protection)

Module comprises:

- ▶ 1 Compact-e-3 electronic control unit for up to 3 lifting columns
- ▶ 1 mains power connection cable, EU, length 3 m
- ▶ 1 basic handset
- ▶ Assembly material

Order no.	PU
9 190 608	1 set

Electronics extension module



- ▶ Electronic extender module for use in conjunction with desk systems involving more than 3 lifting columns

Module comprises:

- ▶ 1 Compact-e-3 electronic control unit for up to 3 lifting columns
- ▶ 1 mains power connection cable, EU, length 3 m
- ▶ Assembly material

Order no.	PU
9 190 609	1 set

Cascading cable

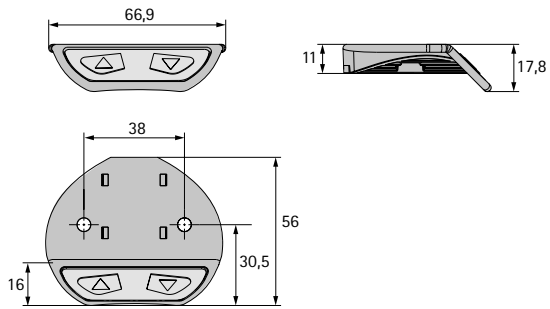


- ▶ Cascading cable for connecting LegaDrive control units. Length 1500 mm.
- ▶ 1 cascading cable required per control unit

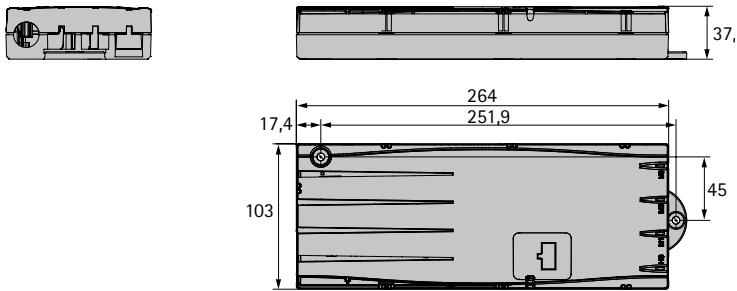
Order no.	PU
9 188 864	1/100ea.

- LegaDrive Systems
- Electronic modules

Handset Basic



Control unit Compact-e-3



- LegaDrive Systems
- Accessories

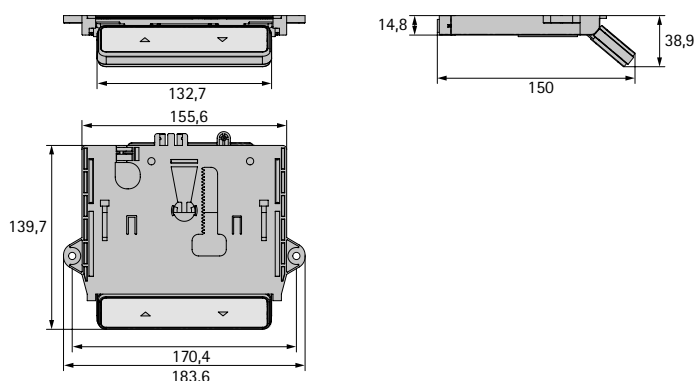
Handset Touch Comfort



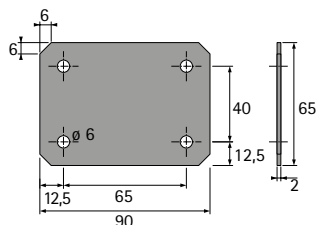
- With high quality Touch surface
- Up and down buttons
- Digital display of desk height (cm or inch)
- 4 memory functions
- For installation under desk top
- With Push to open function. Control panel can be pushed under the desk top where it is hidden from view
- Plastic, black

Article	Order no.	PU
Handset Touch Comfort	9 155 202	1/25 ea.

Installation dimensions



Connecting plate for angled solutions



- Steel powder coated steel, aluminium look

Order no.	PU
0 048 443	1/2 ea.

Mains power cable



- Mains power connection cable, length approx. 3 m

Article	Country	Order no.	PU
Type F*	"Schuko" plug	9 147 928	1/50 ea.
Type G	United Kingdom	9 147 929	1/50 ea.
Type J	Switzerland	9 147 930	1/50 ea.
Type K	Denmark	9 147 982	1/50 ea.
Type L	Italy	9 147 981	1/50 ea.

* Suitable for use in Germany, Austria, Belgium, Netherlands, Luxembourg, Spain, France, Sweden, Norway, Finland. Other countries on request.

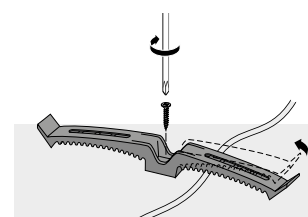
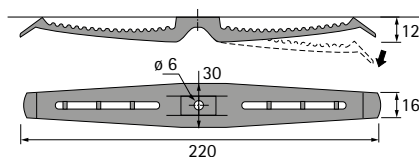
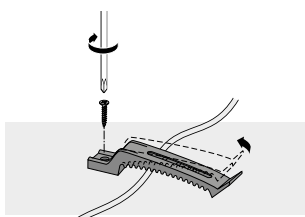
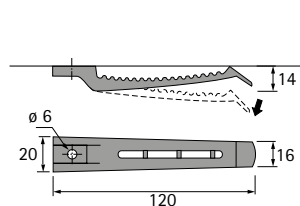
- LegaDrive Systems
- Accessories

Cable holder

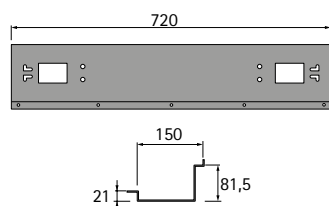


- For horizontal cable routing
- Plastic, grey

Version	Order no.	PU
single	0 045 968	1/5 ea.
double	0 045 969	1/5 ea.



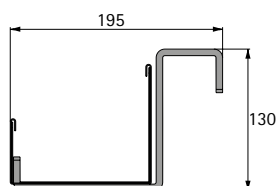
Cable trunking



- For screw mounting to the desk top
- Length 720 mm
- Depth 150 mm
- Steel, powder coated, black

Order no.	PU
9 133 003	1 ea.

Cable trunking, variable in width



- Variable in width from 870 - 1470 mm
- For screw mounting to the desk top
- Steel, aluminium look

Order no.	PU
9 132 991	1 ea.

You will find further accessories in the Furniture Fittings and Applications catalogue on pages 1977 - 1985.

- LegaDrive Systems
- Accessories

Cable trunking, plastic, flexible

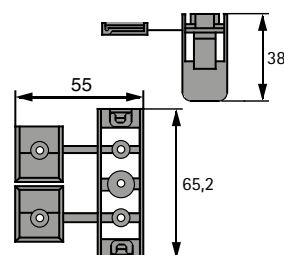
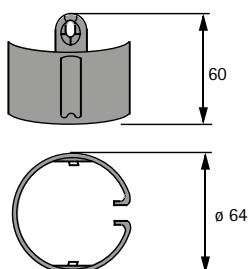
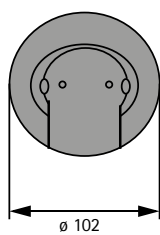


- Protected cable routing from floor socket outlet to desk top
- Max. height 1300 mm
- Can be extended to any length
- Fast and easy to install
- Plastic, aluminium look

Set comprises:

- 1 cable trunking with 26 elements
- 1 floor adapter
- 1 desk adapter
- 3 chipboard screws

Order no.	PU
9 189 284	1 set

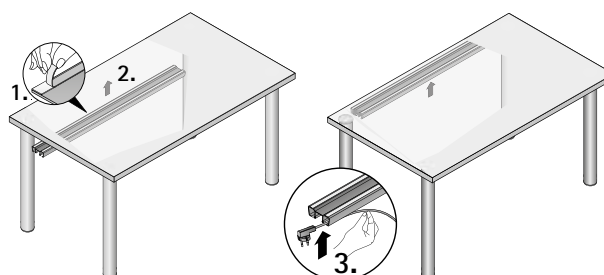
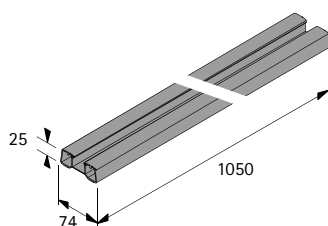
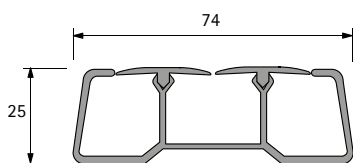


Cable trunking, plastic



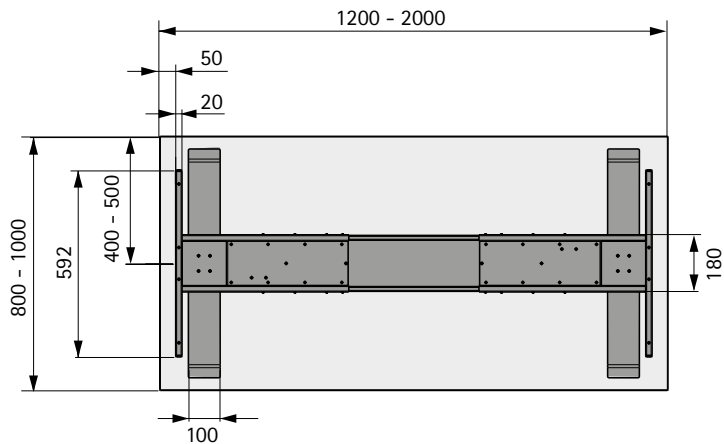
- Length 1050 mm
- Can be cut to any length
- With 2 strips of double sided adhesive tape for fixing horizontally under the desk
- Plastic, black

Order no.	PU
0 046 836	1 ea.

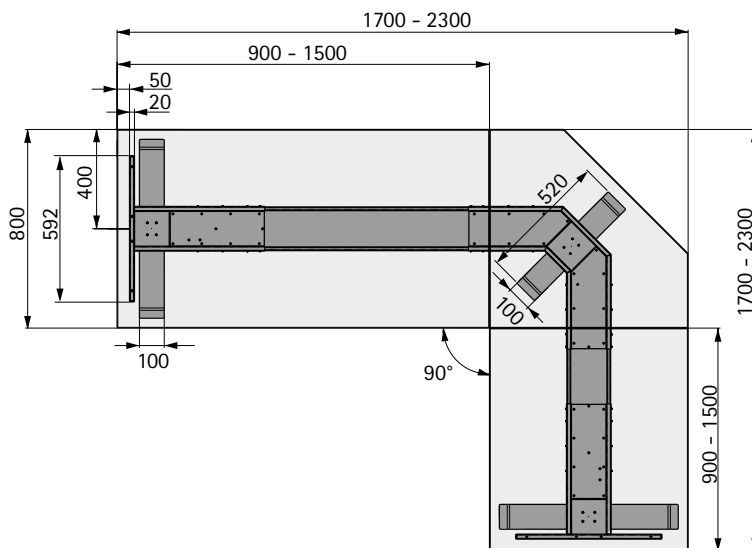


- ▶ LegaDrive Systems
- ▶ Configuration dimensions

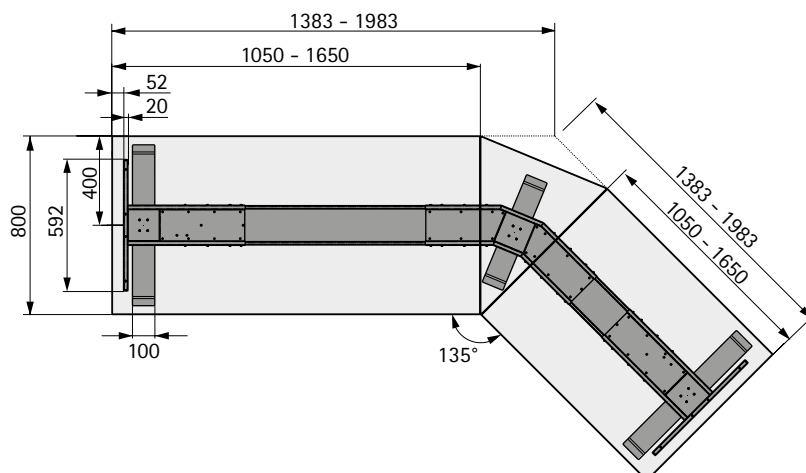
Example - Desk support frame set Basic



Example - Desk support frame set, 90° angled

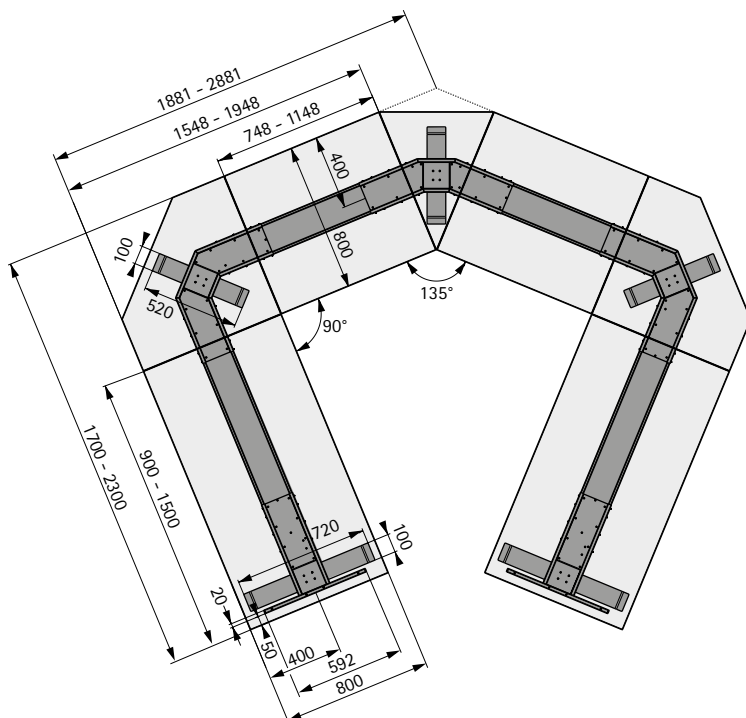


Example - Desk support frame set, 135° angled

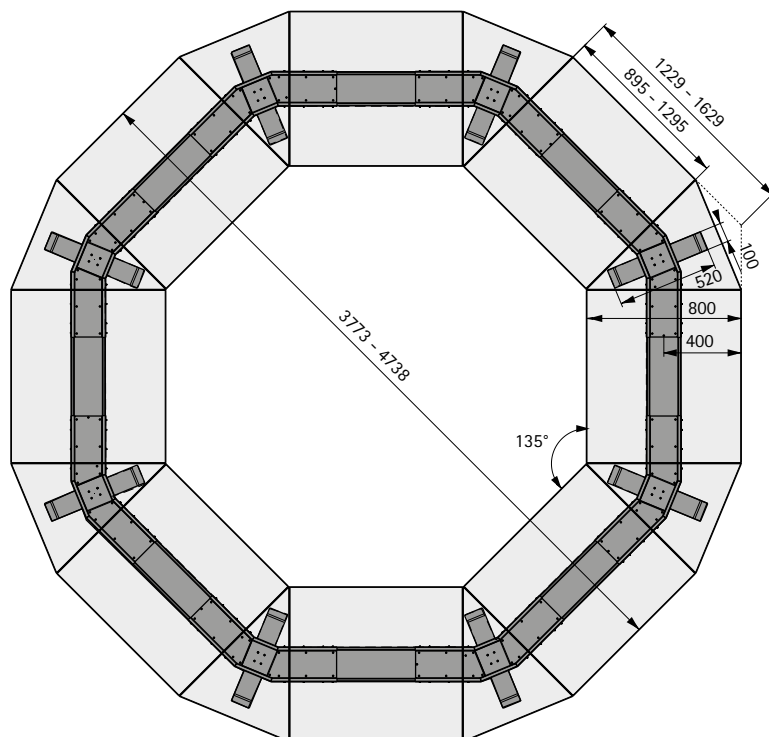


- LegaDrive Systems
- Configuration dimensions

Example - U shaped desk support frame



Example - round conference table



We will be pleased to provide you with desk support configurations for any other geometries or desk top sizes you may require. Please ask us for details.

LegaDrive Systems desk support system– Quality that meets all the demands

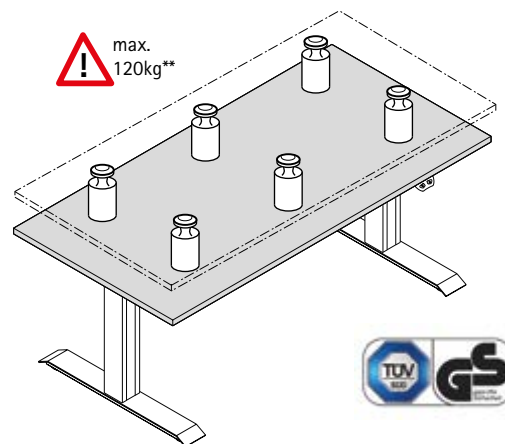
Quality criteria

- ▶ Static- and dynamic load tests
- ▶ Endurance tests
- ▶ Lifting column undergoes 100% testing
- ▶ Desk top support system with desk top* holds GS certification of tested safety

Desk endurance test

Installed in a desk carrying a load of 120 kg, the lifting column is moved up and down cyclically.

This test is also performed under climatic conditions.



1. The EC Declaration of Incorporation for the LegaDrive was prepared on the basis of the following directives:

2006/42/EC Machinery Directive

2006/95/EC Low Voltage Directive

2004/108/EC EMC Directive

The following European harmonised standards have also been applied:

EN ISO 12100 Safety of machinery – General principles for design – Risk assessment and risk reduction (2010)

EN 349 Safety of machinery; Minimum gaps to avoid crushing of parts of the human body (1993+A1, 2008)

EN ISO 13857 Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs (2008)

EN 953 Safety of machinery

Guards, General requirements for the design and construction of fixed and movable guards (2009)

DEN 60335-1 Household and similar electrical appliances – Safety – Part 1: General requirements

EN 61000-6-2/-6-3/-3-2/-3-3 Electromagnetic compatibility (EMC)

EN 62233 Electromagnetic fields (EMF)

2. In addition to the standards and directives that need to be met for the EC Declaration of Incorporation, the LegaDrive system complies with the following standards, regulations and limit values:

DIN EN ISO 13849-1 Category B, Performance Level b (2006)

2011/65/EU

REACH to 1907/2006/EU

DMF (Dimethyl fumarate) under decision of the EU Commission from 17.03.2009

DIN EN 527-1: 2011-08 / DIN EN 527-2: 2003-01 / DIN EN 527-3: 2003-06 / DIN Fb 147: 2006-06* / DIN 4543-1: 1994-09*** / DIN EN 82079-1: 2013-06 / DIN EN ISO 7779: 2011-01 / DIN EN ISO 13732: 2008-12 / DIN EN ISO 13849: 2008-12 / DIN, VBG+FAVW, BSO: 1999 / EK 5/AK 3 (PFG-ST): 2009-11 / EK 5/AK 3 (PFG-AF): 2009-11*** / BGI 650: 2012-08*** / ZEK 01.4-08**

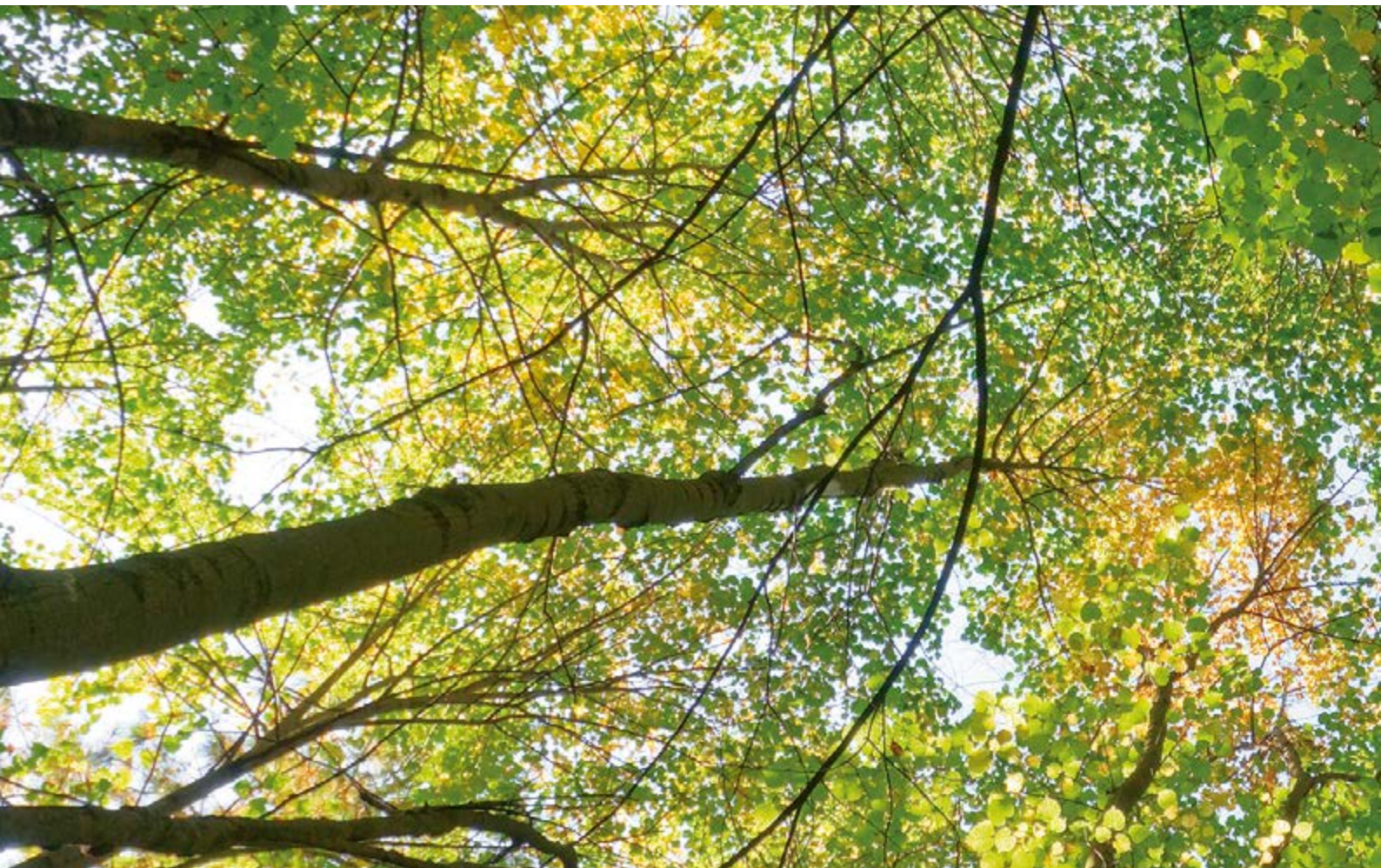
3. The LegaDrive System with desk top* is GS-certified.
4. Once produced, the LegaDrive lifting column undergoes 100% testing.
5. The LegaDrive system has a low standby consumption of ≤ 0.3 W; optionally, components are also available with a standby consumption of ≤ 0.1 W.
6. In manufacturing the system's components, attention is paid to minimising the use of resources needed in production (energy in particular).
7. Importance is attached to selecting materials that can be recycled to the greatest possible extent at the end of the system's life.
8. The LegaDrive System undergoes rigorous endurance testing to make sure it provides many years of reliable operation, also under climatic conditions with temperatures ranging from 5° to 40° C and relative humidity from 5 to 85 %.

* Desk tops according to DIN Fb 147: 2006-06

** including weight of desk top support and desk top

***applied in part

Hettich and the environment: Committed to responsible practice, active protection, innovative thinking.



Hettich accepts responsibility for the world we live in. This awareness defines the strict policy of environmental management we practise. Our environmental officer has taken personal responsibility for these aspects throughout the group of companies over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Regulation. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.

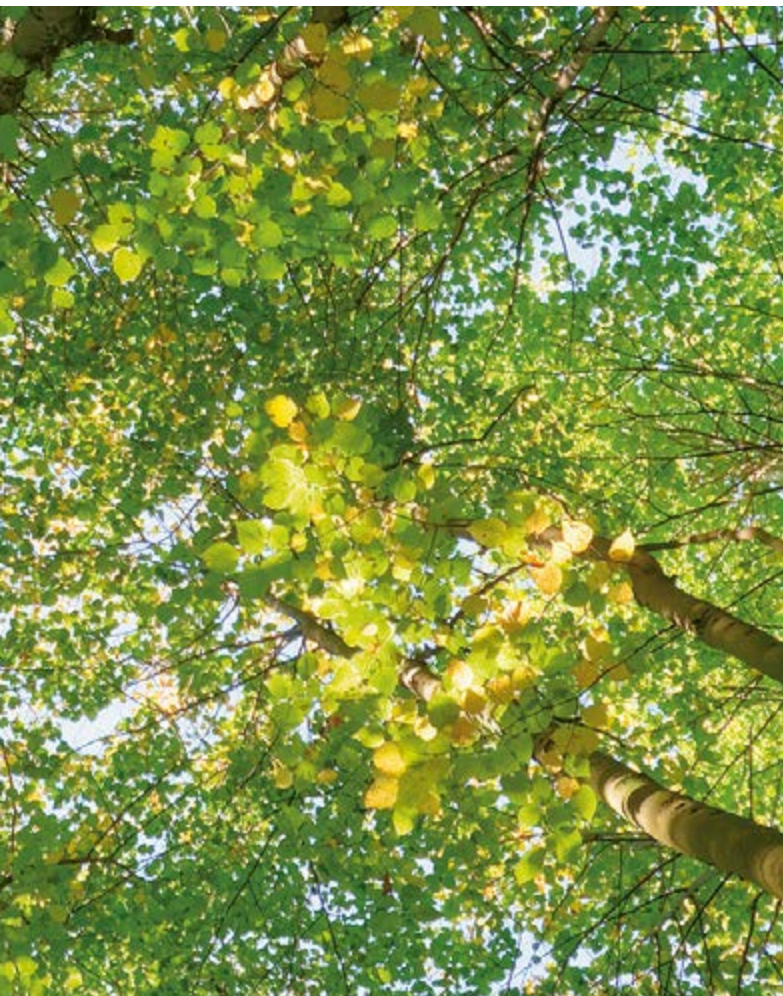
Hettich environmental management

In 1996 Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004). This not only enables us to improve our environmental performance on a broad front but also to achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare. The results achieved in the drawer runner and drawer systems segment at the Kirchlingern operation illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

Relief to the environment between 1997 and 2008:

Specific water consumption:	56 percent
Specific power consumption:	21 percent
Specific heat consumption:	84 percent
Specific CO ₂ emissions:	29 percent





Hettich standard for product materials

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Hettich products are durable. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is also met. This provides a reliable basis for marketing furniture worldwide.



Zero-energy building – Hettich Forum

The Hettich Forum building with its neutral energy balance is a shining example of future-proof building design. Photovoltaic panels and solar collection system providing hot water as well as extensive roof greening and use of rain water underscore this building's overall sustainability concept in just the same way as the broad use of cellulose insulation material from recycled newspapers, highly efficient heat recovery and the bulb free lighting concept.

With the Hettich group of companies having acquired European Commission GreenBuilding Partner status on 5 March 2009, the comprehensive approach demonstrated by the Hettich Forum has also convinced the adjudicating panel of the national "Green Building Award 2009". Hettich received the first prize to be presented in the "New Building" category.

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