



Requirements laid down in the DIN 68877

This standard defines – partially with close reference to DIN 1335 – how a chair must be constructed for fabrication work, in order that it will fulfil all safety technology and ergonomic requirements:

The work chair may not exhibit any places where there is danger of hands becoming stuck or crushed. All possibility of inadvertent changes to the chair adjustment while the chair is being used must be excluded. The backrest must be pendular-mounted, and adjustable in both height and angle.

If the lowest setting of the seat height is less than 500 mm, then a depth springing is required for cushioning the impact of sitting down. The base frame must have at least five points of support.

A slip-resistant climbing aid is required for chairs which have seats whose heights can be adjusted to more than 650 mm; in addition, no castors are permitted.

Elabo Factory and Cleanroom swivel chairs meet this standards in all of its points.

Requirements laid down in the DIN 1335

DIN EN 1335 replaces DIN 4551 of 1988 and is valid for office work chairs.

Part 1 of the standard defines essential minimum and maximum values which an ergonomic work chair must fulfil.

Among other things, the standard contains requirements regarding seat height, seat depth, seat width, seat surface tilt, the height of the backrest, the width of the backrest, the range of adjustment of the backrest tilt, and the position, width and length of arm supports.

Part 2 of the standard prescribes the safety requirements for office work chairs.

Requirements are defined with respect to design for the avoidance of places where crushing, sticking and shearing could take place as well as criteria for determining structural stability, resistance to rolling and sturdiness.

The Elabo office and laboratory swivel chairs in the Basic and Highline series and the 24 h swivel chairs always keep to this standard.

Permanent contact backrest

The permanent-contact backrest follows the movements of the body and enables the natural stressing and relieving of different muscle and spinal areas.



Synchronous mechanism

The user-friendly synchronous and "similar" mechanism promotes the shifting between different sitting postures. The seat and the back rest track the movements of the body in synchronous fashion, the mechanism provides continuous adjustment to body weight.



Suitability for 24 h operation

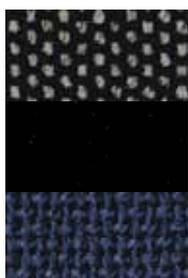
The use of work station chairs in control rooms places high demands on the material quality and the wear-resistance of the cover fabric and the mechanisms. Elabo chairs for 24 h operation have been designed to cope with these loads, and are appropriately certified.

Suitability for ESD protection zones IEC 61340-5-1

Reliable ESD protection is ensured by means of comfortable conductive cushions, conductive castors and a dissipation resistance in the range of $10^6 - 10^8$ Ohm, which enables a controlled dissipation of electrostatic charges.



Basic4
Medium-high
backrest



Swivel chair with permanent contact backrest

Continuously adjustable height setting from 420 - 510 mm through safety gas spring

Backrest with integrated lumbar support, backrest height adjustment of up to 60 mm

Continuously adjustable weight regulation to a body weight of 45 and 120 kg

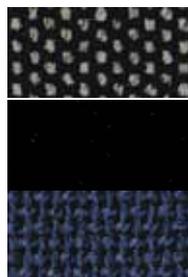
Five-spoke base frame with double swivel castors, either for hard or soft floors, Colour: black

Armrests available as an option

Seat width: 450 mm
Seat depth: 410 mm
Backrest height: 430 mm

Pads	Castors	Order no.
anthracite	hard, for carpets	S1-1W
anthracite	soft, for hard floors	S1-1X
black	hard, for carpets	S1-1S
black	soft, for hard floors	S1-1T
dark blue	hard, for carpets	S1-1C
dark blue	soft, for hard floors	S1-1D

Basic6
High backrest



Swivel chair with synchronous mechanism

Equipped as Basic4, but

Synchronous mechanism with an opening angle between the seat and the backrest of up to a maximum of 125 degrees

Armrests available as an option

Backrest height: 530 mm

Pads	Castors	Order no.
anthracite	hard, for carpets	S1-4W
anthracite	soft, for hard floors	S1-4X
black	hard, for carpets	S1-4S
black	soft, for hard floors	S1-4T
dark blue	hard, for carpets	S1-4C
dark blue	soft, for hard floors	S1-4D



Basic4 ESD
Medium-high
backrest



ESD swivel chair with permanent contact backrest

Conductive seat and back pads
Continuously adjustable height setting from 420 - 510 mm through safety gas spring
Backrest with integrated lumbar support, backrest height adjustment of up to 60 mm
Continuously adjustable weight regulation to a body weight of 45 and 120 kg
Aluminium five-spoke base frame with conductive double swivel castors, either for hard or soft floors, Colour: black

Seat width: 450 mm
Seat depth: 410 mm
Backrest height: 430 mm

Pads	Castors	Order no.
blue	hard, for soft floors	S1-2C
blue	soft, for hard floors	S1-2D
light grey	hard, for soft floors	S1-2Q
light grey	soft, for hard floors	S1-2R
black	hard, for soft floors	S1-2W
black	soft, for hard floors	S1-2X

Basic6 ESD
High
backrest



ESD swivel chair with synchronous mechanism

Equipped as Basic4 ESD, but
Synchronous mechanism with an opening angle between the seat and the backrest of up to a maximum of 125 degrees

Backrest height: 530 mm

Pads	Castors	Order no.
blue	hard, for carpets	S1-5C
blue	soft, for hard floors	S1-5D
light grey	hard, for carpets	S1-5Q
light grey	soft, for hard floors	S1-5R
black	hard, for carpets	S1-5W
black	soft, for hard floors	S1-5X

Basic 4/6 armrests



Ring armrests

made of plastic, suitable for Basic 4/6 swivel chairs, can be retrofitted

black

Order no. S1-6C

Basic 8/10 armrests



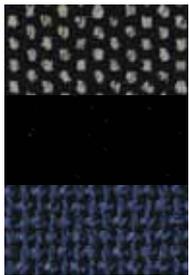
Armrests

made of plastic, width and height-adjustable suitable for Basic 8/10 swivel chairs, can be retrofitted

black

Order no. S6-6A

Basic Conference chair



4-legged conference chair

Stackable visitor chair with a completely fabric-covered backrest, black four-foot base made of powder coated steel pipe with felt slides for hard floors, pipe diameter 25 mm, alternately available with armrests.

Seat height:	450 mm
Seat width:	460 mm
Seat depth:	460 mm
Backrest height:	440 mm
Backrest width:	470 mm



Pads	Armrests	Order
anthracite	yes	no.S1-8X
anthracite	no	S1-8W
black	yes	S1-8T
black	no	S1-8S
dark blue	yes	S1-8D
dark blue	no	S1-8C

Basic8
Medium-high
backrest



High quality swivel chair with synchronous mechanism

Continuously adjustable height setting from 410 - 510 mm through safety gas spring
 Backrest with an adjustment range of 7 positions (70 mm)
 Variable basic setting for seat height (30 mm downward and 20 mm upward)
 Continuously adjustable weight regulation to a body weight of 45 and 130 kg
 Synchronous mechanism, opening angle between the seat and the backrest up to max. 120°.
 Five-spoke base frame with double swivel castors, either for hard or soft floors,
 Colour: black

Seat width: 460 mm
 Seat depth: 410-460 mm
 Backrest height: 430 mm

Pads	Castors	Order no.
black	hard, for carpets	S6-1W
black	soft, for hard floors	S6-1X
mottled black	hard, for carpets	S6-3W
mottled black	soft, for hard floors	S6-3X
dark blue	hard, for carpets	S6-1C
dark blue	soft, for hard floors	S6-1D
mottled dark blue	hard, for carpets	S6-3C
mottled dark blue	soft, for hard floors	S6-3D



also available in ESD design

Basic10
High backrest



High quality swivel chair with synchronous mechanism

Equipped as Basic8, but with higher backrest

Seat width: 470 mm
 Seat depth: 410-460 mm
 Backrest height: 530 mm

Pads	Castors	Order no.
black	hard, for carpets	S6-4W
black	soft, for hard floors	S6-4X
mottled black	hard, for carpets	S6-7W
mottled black	soft, for hard floors	S6-7X
dark blue	hard, for carpets	S6-4C
dark blue	soft, for hard floors	S6-4D
mottled dark blue	hard, for carpets	S6-7C
mottled dark blue	soft, for hard floors	S6-7D



also available in ESD design

Clean16



Cleanroom ESD swivel chair

Ergonomically formed cushion parts with foam-injection technology with air-tight seals, conductive ESD artificial leather upholstery, seat support and backrest cover made of powder coated steel sheeting. Smooth, enclosed surfaces for the prevention of particle deposits, seat height adjustment with safety gas spring, permanent contact backrest, backrest height adjustment, encapsulated mechanism, five-foot base frame made of polished aluminium with conductive castors. Certified for clean-room use by the Fraunhofer-Institut IPA Stuttgart (suitable for Clean Room Class 1)

Colour: Artificial leather	black
Colour: Metal parts	light grey
Seat height:	440 - 565 mm
Seat width:	480 mm
Seat depth:	470 mm
Backrest height:	380 mm

Swivel chair ESD Clean16

Order no.
S3-6A

LuPo

This chair is recommended by the Federal Association of German Back Exercise Schools.



Air-cushioned swivel chair with swivel castors

Seat base is made of PP with double-wall structure. The air-cushion effect also applies. 3-D rocker mechanism towards the front, to the side and to the rear. Hard castors for soft floors. Colour of metallic parts arctic, black.

Seat height: 450 - 550 mm; Seat width: 440 mm; Seat depth: 460 mm

dark red
black-grey
dark green
dark blue
dolphin grey
yellow-orange

Order no.
S4-1R
S4-1S
S4-1T
S4-1U
S4-1V
S4-1W

Factory standing aid



Factory standing aid

Optimum freedom of movement due to the leaning surfaces being rotatable by 360°, made of integral foam with integrated carrying handle. height adjustment with gas spring lift, stable plate base.

Colour:	anthracite
Seat height:	650 - 850 mm
Incline adjustment forward:	10°

Factory standing aid, standard
Factory standing aid, ESD

Order no.
S3-4A
S3-5A

Factory4



Factory4 swivel chair

Seat and backrests aligned to your body's anatomy, made of impact and breakage-resistant plastic, easy-clean surfaces, resistant to lyes and acids, seat height adjustment with safety gas spring, rounded seat front edge to lessen pressure on legs, permanent contact backrest, integrated lumbar support, continuously adjustable backrest height adjustment, backrest incline adjustment, reduced backrest width, five-spoke base frame, either with sliders or rollers.

Colour:	basalt grey
Seat height:	430 - 580 mm
Seat width:	480 mm
Seat depth:	430 mm
Backrest height:	420 mm

With castors
With sliders

Order no.
S3-1A
S3-1E

Factory8



Factory8 swivel chair with climbing aid

Equipped as Factory4, but extended seat height, climbing aid

Colour:	basalt grey
Seat height:	580 - 850 mm
Seat width:	480 mm
Seat depth:	430 mm
Backrest height:	420 mm

with climbing aid and sliders:

Order no.
S3-1K

Pads



Luxury replaceable pad

Simple and easy hook-in installation; can be replaced or retrofitted at any time

Textile pad, soft and breathable, with resistant cover fabric

Colour:	black
	blue

Integral foam pad for soft, 'air-cushioned sitting', washable, resistant to mild acids and lyes, structured surface for improved climatic comfort.

Colour:	black
	blue

Order no.
S3-1Q
S3-1R

S3-2U
S3-1V

Factory4 ESD



Factory4 ESD-swivel chair

Seat and backrests aligned to your body's anatomy and volume conductive, made of impact and breakage-resistant plastic, easy-clean surfaces, resistant to lyes and acids, seat height adjustment with safety gas spring, rounded seat front edge to lessen pressure on legs, permanent contact backrest, integrated lumbar support, continuously adjustable backrest height adjustment, backrest incline adjustment, reduced backrest width, five-spoke base frame, either with sliders or castors.

Dissipation resistance pursuant to IEC 61340-5-1:10⁶ - 10⁸ Ohm
Surface resistance (IEC 61340-5-1): 10⁵ Ohm

Colour: black
Seat height: 430 - 580 mm; Seat width: 480 mm; Seat depth: 430 mm
Backrest height: 420 mm
With ESD castors
With ESD sliders

Order no.
S3-2A
S3-2E

Factory8 ESD



Factory8 ESD swivel chair with climbing aid

Equipped as Factory4 ESD, but extended seat height, climbing aid

Colour: black
Seat height: 580 - 850 mm; Seat width: 480 mm; Seat depth: 430 mm
Backrest height: 420 mm

with climbing aid and ESD sliders:

Order no.
S3-2K

ESD pad



Luxury ESD replaceable pads

Simple and easy hook-in installation; can be replaced or retrofitted at any time

Conductive textile pad, soft and breathable, with resistant cover fabric

Colour: black

Conductive integral foam pad for soft, 'air-cushioned sitting', washable, resistant to mild acids and lyes, structured surface for improved climatic comfort.

Colour: black

Order no.
S3-2Q

S3-2U