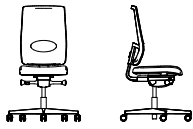
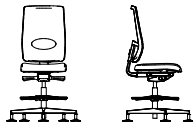


# Technical description

## 1. Dimensions / Weight



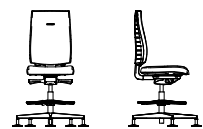
X-LINE SWIVEL CHAIR MESH



X-LINE COUNTER SWIVEL CHAIR MESH



X-LINE SWIVEL CHAIR UPH/P



X-LINE COUNTER SWIVEL CHAIR UPH/P



Model	Dimensions (mm)														Weight (kg)
	A	B	C	D	E	F	G	H	J	K	L	I	M	N	
X-LINE SWIVEL CHAIR MESH ER/ERN/ERF-ST GL-STD TS30 (ST56) ESH60/ESH60	415-535	435-535	480	460	1055-1255	455	595	650-710	735	-	670	-	-	-	ER/ERN-ST: 14 (14,4) ERF-ST: 14,3 (14,7)
X-LINE SWIVEL CHAIR MESH SA3-ST GL-STD TS30 (ST56) ESH60/ESH60	415-535	440-540	480	460	1055-1255	455	595	650-710	735	-	670	-	-	-	14,4 (14,8)
X-LINE SWIVEL CHAIR UPH/P ER/ERN/ERF-ST GL-STD TS30 (ST56) ESH60/ESH60	415-535	435-535	480	460	1045-1245	445	575	635-695	735	-	670	-	-	-	ER/ERN-ST: 15,3 (15,7) ERF-ST: 15,6 (16,0)
X-LINE SWIVEL CHAIR UPH/P SA3-ST GL-STD TS30 (ST56) ESH60/ESH60	415-535	440-540	480	460	1045-1245	445	575	635-695	735	-	670	-	-	-	15,7 (16,1)
X-LINE COUNTER SWIVEL CHAIR MESH ER-ST TS30 (ST56) KSH/KSHH	560-690	435-535	480	460	1200-1400	455	595	650-710	735	-	670	-	-	-	16,2 (16,6)
X-LINE COUNTER SWIVEL CHAIR MESH SA3-ST TS30 (ST56) KSH/KSHH	560-690	440-540	480	460	1200-1400	455	595	650-710	735	-	670	-	-	-	16,6 (17,0)
X-LINE COUNTER SWIVEL CHAIR MESH ER-ST TS30 (ST56) GB/GBF	570-700	435-535	480	460	1210-1410	455	595	650-710	735	-	670	-	-	-	16,1 (16,5)
X-LINE COUNTER SWIVEL CHAIR MESH SA3-ST TS30 (ST56) GB/GBF	570-700	440-540	480	460	1210-1410	455	595	650-710	735	-	670	-	-	-	16,5 (16,9)
X-LINE COUNTER SWIVEL CHAIR UPH/P ER-ST TS30 (ST56) KSH/KSHH	560-690	435-535	480	460	1190-1390	445	575	635-695	735	-	670	-	-	-	17,5 (17,9)
X-LINE COUNTER SWIVEL CHAIR UPH/P SA3-ST TS30 (ST56) KSH/KSHH	560-690	440-540	480	460	1190-1390	445	575	635-695	735	-	670	-	-	-	17,9 (18,3)

A – Seat height  
B – Seat depth  
C – Seat surface depth  
D – Seat width  
E – Overall height

F – Backrest width  
G – Backrest length  
H – Backrest height  
J – Base diameter  
K – Base width

L – Overall depth  
I – Headrest height (above the backrest)  
M – Headrest width  
N – Headrest height

# Technical description

Model	Dimensions (mm)														Weight (kg)
	A	B	C	D	E	F	G	H	J	K	L	I	M	N	
X-LINE COUNTER SWIVEL CHAIR UPH/PER-ST TS30 (ST56) GB/GBF	570-700	435-535	480	460	1200-1400	445	575	635-695	735	-	670	-	-	-	17,4 (17,8)
X-LINE COUNTER SWIVEL CHAIR UPH/P SA3-ST TS30 (ST56) GB/GBF	570-700	440-540	480	460	1200-1400	445	575	635-695	735	-	670	-	-	-	17,8 (18,2)
HEADREST HRUA	-	-	-	-	-	-	-	-	-	-	-	180-255	275	160	0,9
HEADREST HRMA	-	-	-	-	-	-	-	-	-	-	-	185-245	270	150	0,5

- |                               |                            |   |
|-------------------------------|----------------------------|---|
| <b>A</b> – Seat height        | <b>F</b> – Backrest width  | <b>L</b> – Overall depth                        |
| <b>B</b> – Seat depth         | <b>G</b> – Backrest length | <b>I</b> – Headrest height (above the backrest) |
| <b>C</b> – Seat surface depth | <b>H</b> – Backrest height | <b>M</b> – Headrest width                       |
| <b>D</b> – Seat width         | <b>J</b> – Base diameter   | <b>N</b> – Headrest height                      |
| <b>E</b> – Overall height     | <b>K</b> – Base width      |   |

Armrests	Dimensions (mm)					Weight (kg)
	Z	Y	X	W	V	
R46-B/B/BPU	170-270	215	90	430-520	610-700	2,6
R37-BL/B/B	180-280	235	100	380-530	580-730	3,1
R37-POL/B/B	180-280	235	100	380-530	580-730	3,4

- |                           |  |
|---------------------------|--|
| <b>Z</b> – Armrest height | <b>W</b> – Internal width between armrests |
| <b>Y</b> – Armrest length | <b>V</b> – External width between armrests |
| <b>X</b> – Armrest width  |  |

## 2. Materials / Versions

### 2.1. Base

#### 2.1.1. Office swivel chairs and counter swivel chairs

##### Bases:

- Ø 735 mm five-star black polyamide (TS30),
- Ø 735 mm five-star aluminium powder-coated in black colour (ST56-BL),
- Ø 735 mm five-star polished aluminium (ST56-POL).

Foot rest (for counter swivel chairs as standard)

- – Ø 500 mm diameter, made of chromium plated steel tube Ø 16 x 1.5 mm, five-star element made of aluminium powder-coated in black colour, height adjustable with a knob.

### 2.2. Castors / Glides

#### 2.2.1. Office swivel chairs

Ø 60 mm black plastic self-braking castors for soft floors (ESH60) as standard, or hard floors (ESH60) as an option.

#### 2.2.2. Counter swivel chairs

##### Castors:

- Ø 50 mm load-brake castors for soft floors (KSH) as standard or for hard floors (KSHH) – as an option.

##### Glides:

- black glides made of plastic for soft floors (GB) or hard floors (GBF), both as an option.

### 2.3. Mechanisms

#### SA3-ST synchronous mechanism – functions:

- free-floating – synchronous backrest and seat tilt,
- maximum backrest tilt angle 20°,
- maximum sit tilt angle 6.5°,
- backrest multi-lock in 4 positions,
- automatic backrest tilt force adjustment to user's weight with the possibility of additional adjustment with a knob under seat,
- seat depth adjustment 100 mm, possible seat multi-lock in 11 positions,
- Anti-Shock – a feature that controls chair backrest to avoid hitting user's back after releasing the lock,
- smooth height adjustment of chair with pneumatic gas lift.

#### ER-ST advanced synchronous mechanism – functions:

- free-floating – synchronous backrest and seat tilt,
- backrest tilt angle of 23° synchronised with the seat tilt angle of 10°,
- backrest multi-lock in 5 positions,
- backrest tilt force adjustment in 7 positions with a knob placed on the right side of the seat,
- seat depth adjustment 100 mm, possible seat multi-lock in 11 positions,
- negative seat inclination of 2°, synchronously tilting with the backrest at 5°, which guarantees optimal support for the user's back at each tilted position of the chair – as an option (ERN-ST),
- negative seat inclination of 5°, independent of backrest movement: lock at -5° or free-floating in range of -5°-0° – as an option (ERF ST),
- Anti-Shock – a feature that controls chair backrest to avoid hitting user's back after releasing the lock,
- smooth height adjustment of chair with pneumatic gas lift.