

Report ID: 340856  
Date of sample receipt: 14/12/22  
Date of issue: 17/01/23

CENTRUFFICIO LORETO S.P.A.  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

Sample name: KIND MANAGER

## SAMPLE N° 340856


Overall dimensions: 700 x 700 x 1225 (h) mm

### List of test reports:

1. Office work chair - Dimensions EN 1335-1:2020
2. General design requirements EN 1335-2:2018, clauses 4.1 - 4.2
3. Work chairs: seat and back static load test EN 1728:2012+AC:2013
4. Work chairs: seat and back durability EN 1728:2012+AC:2013
5. Work chairs: arm rests durability EN 1728:2012+AC:2013
6. Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013



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*Dr. Paolo Tirelli*  


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## SAMPLE N° 340856

Date of issue: 17/01/23  
Sample weight: Not determined  
Sample name: KIND MANAGER



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**TEST REPORT**

**340856 / 1**

Revision: 0  
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Sample name: KIND MANAGER

CENTRUFFICIO LORETO S.P.A.  
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**Office work chair - Dimensions EN 1335-1:2020**

Method: ISO 24496:2017

**1. General features**

**1.1 Seat**

depht: - fixed  
x adjustable with horizontal movement  
inclination: - fixed  
x adjustable

**1.2 Backrest**

height: - fixed  
x adjustable  
- adjustable lumbar support (height)  
- adjustable lumbar support (protrusion)  
inclination: - fixed  
x adjustable

**1.3 Seat and back synchronized**      yes

**1.4 Armrests**

height: - fixed  
x adjustable  
depth: - fixed  
x adjustable  
clear distance: x fixed  
- adjustable  
rotation: no

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### Test Results

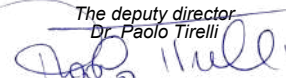
All linear dimensions are in mm

#### Type of chair: B

symbol	parameter	requirement	measured	conf.
<b>SEAT</b>				
a	seat height and sitting height	420 to 510	410 to 523	yes
	adjustment range	100 min	113	yes
b	seat depth adjustable	425 to 445	421* to 474	yes
	adjustment range	50 min	53*	yes
	seat depth not adjustable	within 425 and 485	/	/
c	seat pad depth	380 min	441	yes
d	seat pad width	400 min	489	yes
e	seat pad angle - adjustable	-2°	-9° to 1°	yes
	adjustment range	5°	10°	yes
	seat pad angle - not adjustable	+ 2° ÷ - 5°	/	/
<b>BACK REST</b>				
f	minimum and maximum lumbar support		150 to 260	
	difference (fmax - fmin) within 170 mm and 300 mm	50 min	90 of 110	yes
	range of the backrest / lumbar support	50 min	60*	yes
	height of lumbar support - not adjustable	within 170 and 300	/	/
h	backrest height	360 min	615 to 665	yes
j	backrest width	360 min	448	yes
k	horizontal radius of the back rest	400 min	> 400	yes
l	back rest inclination (adjustment range)	15° min	20°	yes
y	angle between seat and back	90° min	103°	yes
<b>ARM REST</b>				
n	length of arm rest	150 min	238	yes
o	width of arm rest	40 min	80	yes
p	height of armrest - adjustable	225 to 250	193 to 264	yes
	adjustment range	50 min	71	yes
	height of armrest - not adjustable	within 225 and 275	/	/
q	distance from the backrest to the front of the armrests	350 max	303	yes
r	hip breadth clearance with armrests in widest position	460 min	543	yes
z	Clear distance between the armrests pads - adjustable	460 to 510	/	/
	Clear distance between the armrests pads - not adjust.	within 460 and 510	500*	yes
<b>UNDERFRAME</b>				
s	maximum offset of the underframe	415 max	370	yes
	foot support	Ø > 20 mm or flat	/	/

\* The limit is included in the uncertainty interval associated with the measured value (see table 1 on page 3/3).

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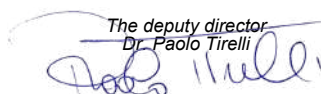
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Dr. Paolo Tirelli  


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Table 1, ISO 24496:2017

symbol	Parameter	Uncertain at 95% confidence level (k=2)
<b>SEAT</b>		
a	seat height and sitting height	± 8 mm (seat) ± 15 mm (sitting)
b	seat depth	± 25 mm
c	seat pad depth	± 25 mm
d	seat pad width	± 10 mm
e	seat angle	± 2°
<b>BACK REST</b>		
f	height of lumbar support	± 25 mm
h	backrest height	± 15 mm
j	backrest width	± 10 mm
k	horizontal radius of the back rest	Not applicable
l	back rest inclination	± 4°
y	angle between seat and back	± 4°
<b>ARM REST</b>		
n	length of arm rest	± 5 mm
o	width of arm rest	± 5 mm
p	height of armrest	± 10 mm
q	distance from the backrest to the front of the armrests	± 40 mm
r	hip breadth clearance with armrests in widest position	± 20 mm
z	Clear distance between the armrests pads	± 60 mm
<b>UNDERFRAME</b>		
s	maximum offset of the underframe	± 8 mm

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**TEST REPORT**

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Revision: 0  
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Date of test: 15/12/22  
Date of issue: 17/01/23



Sample name: KIND MANAGER

CENTRUFFICIO LORETO S.P.A.  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

**General design requirements EN 1335-2:2018, clauses 4.1 - 4.2**

Requirements	Remarks
<b>Clause 4.1</b>	
a) Edges of seat, back rest and arm rests in contact by the user are rounded $\geq 2$ mm	Yes
b) Edges of handles are rounded or chamfered in the direction of the force applied	Yes
c) All other edges and corner are free from burrs and rounded or chamfered	Yes
d) Ends of accessible hollow components are closed or capped	Hollow components not present
It shall not be possible for any load bearing part to come loose unintentionally	Yes
<b>Clause 4.2</b>	
Absence of shear and squeeze points, created by parts operated by powered mechanism.	Yes
Absence of shear and squeeze points, created by loads applied during normal use.	Yes

The test results comply with the requirements in clauses 4.1 and 4.2 of EN 1335-2:2018

Note: evaluation of accessible parts has been carried out according to CEN TR 17202:2018, clause 6.

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Revision: 0  
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Sample name: KIND MANAGER

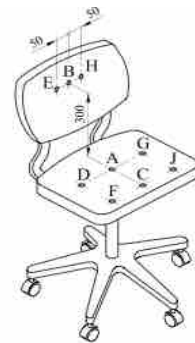
**CENTRUFFICIO LORETO S.P.A.**  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

**Work chairs: seat and back static load test EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

**Seat and back static load test, clause 7.3 of EN 1728:2012+AC:2013**

Seat height: highest position  
Seat inclination: horizontal  
Back rest in height: highest position  
Seat in depth: foremost position  
Position of castors perpendicular to the base arms  
Tension of mechanism spring: medium



Test results:

Seat load N	Back force N	Number of cycles	Loading point	Back rest inclination mechanism	Remarks
1.600	560	5	A - B	Blocked	No defects
1.600	560	5	A - B	Unlocked	No defects

**Seat front edge static load, clause 7.4 of EN 1728:2012+AC:2013**

Seat height: highest position  
Seat depth: foremost position

Test results:

Seat load N	Number of cycles	Loading point	Remarks
1.600	10	F	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

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Date of issue: 17/01/23



Sample name: KIND MANAGER

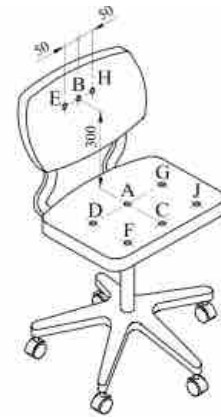
**CENTRUFFICIO LORETO S.P.A.**  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

**Work chairs: seat and back durability EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Seat and back durability clause 7.9 of EN 1728:2012+AC:2013

Seat height: highest position  
Seat inclination: horizontal  
Back rest in height: highest position  
Seat in depth: foremost position  
Position of castors: perpendicular to the base arms  
Tension of mechanism spring: medium



Test results:

Number of cycles	Loading point	Force N	Back rest inclination mechanism	Remarks
120.000	A	1.500	Unlocked	No defects
40.000	C B	1200 320	Locked	No defects
40.000	C B	1200 320	Unlocked	No defects
20.000	J E	1200 320	Unlocked	No defects
20.000	F H	1200 320	Unlocked	No defects
20.000	D G	1100 1100	Unlocked	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

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Revision: 0  
Date of sample receipt: 14/12/22  
Date of test: 10/01/23  
Date of issue: 17/01/23



Sample name: KIND MANAGER

CENTRUFFICIO LORETO S.P.A.  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

**Work chairs: arm rests durability EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Arm rest durability, clause 7.10 of EN 1728:2012+AC:2013

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest and outermost

Test results:

Load on arm rest N	Number of cycles	Remarks
400	60.000	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

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Date of test: 16/01/23  
Date of issue: 17/01/23



Sample name: KIND MANAGER

CENTRUFFICIO LORETO S.P.A.  
VIA ANDREA DORIA 17  
20124 MILANO (MI)  
ITALIA

**Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Arm rest downward static load test - central, clause 7.5 of EN 1728:2012+AC:2013

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest and outermost

Test results:

Load on the arm rest N	Number of cycles	Remarks
750	5	See note
900	1	A breakage of the underseat near the fixing with the arm rest has been noticed (see page 2/2).

Note: after the functional load of 750 N the chair does not overbalance.

The test results do not comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

**340856 / 6 rev. 0**

Date of issue:

17/01/23

Sample name:

KIND MANAGER

Detail of defect:



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