VISUAL OPTIONS, CAR AND SHAFT DIMENSIONS FOR

KONE elevators for transit centers
KONE elevators for transit centers

A smooth, safe flow of people and goods is critical to daily operations in any transit center. KONE’s eco-efficient elevator solutions for transit centers include heavy-duty passenger elevators designed to transport large volumes of people to and from station platforms, smaller elevators for improving accessibility, and durable service elevators for transporting staff and goods. All KONE solutions are supported by our world-class consultation and planning services that cover every aspect of people flow in transit centers.

Recommended solutions

- **Elevators for heavy traffic environments.** These spacious, high-capacity elevators provide comfortable, efficient transportation for large numbers of passengers, for example to and from metro or railway station platforms. We offer solutions for environments with heavy, constant elevator usage and long operating hours, as well as those with heavy traffic peaks and shorter operating hours.

- **Visually appealing elevators.** For smooth people flow across transit centers, for example in shopping areas and within stations. These highly visible elevators are often also used as architectural features, and when installed in a glass shaft and fitted with glass walls can offer a panoramic view over surrounding areas.

- **Elevators for improved accessibility.** These low-duty elevators provide comfortable transportation for passengers with special needs, such as those using wheelchairs or traveling with strollers.

- **Service elevators.** Designed to enable efficient and reliable movement of transit center staff and goods within and between buildings. Can transport loads of up to 5,000 kg.

Designed for durability – EN81-71 vandal-resistant elevator solution

Our solution for EN81-71 Category 1 is designed for extended durability to protect transit center elevators from vandalism. It incorporates a range of high-strength materials and innovative technologies that help prevent damage to your equipment, including:

- Non-flammable KES 600 and KES 800 car and landing doors panels, frames, and architraves

- Limited-flammability wall and floor materials, and durable stainless steel wall finishes

- Thicker interior wall panels included as part of the elevator car upgrade kit

- Car ceilings designed to withstand a person’s weight (up to 150 kg), and ceiling fixings that are impossible to remove in 60 seconds

- Non-trip tear plate floor materials

- KONE KSS 140 vandal-resistant signalization with limited flammability, non-combustible materials and extended water resistance

All our elevator solutions are based on the eco-efficient KONE EcoDisc® hoisting motor, which is designed to cut energy consumption and provide industry-leading ride comfort in all traffic conditions. We offer reliable, space-saving solutions with the machine room-less KONE MonoSpace® and KONE TranSys™, as well as compact solutions for a wide variety of applications based on the KONE MiniSpace™.
Why choose KONE?

**Functional, reliable, and safe**
- Excellent accessibility, with wide-opening doors that enable easy entry and exit. This increases comfort and convenience for people with limited mobility and passengers traveling with baggage or strollers.
- High reliability enabled by the KONE EcoDisc® hoisting motor, with more than 800,000 units operating globally, and KONE’s world-class range of flexible preventive maintenance solutions.
- Standards-compliant, with equipment that meets and exceeds all relevant safety and accessibility standards and regulations, including:
  - EN 12015, which regulates the escape of electromagnetic energy from a product to the external environment.
  - EN 12016, which regulates the level of shielding a product must have against electromagnetic disturbances in the surrounding environment.
- Improved security through the ability to integrate elevators with transit center access control systems.
- Convenient, cost effective monitoring with KONE E-Link™, which gives you a complete, real-time overview of equipment status from a single location.

**Eco-efficient and cost effective**
- KONE’s regenerative solutions can provide up to 30% energy savings by recovering the energy generated when the elevator is used.
- As well as being up to 80% more efficient than halogen lighting, LED lighting also lasts up to 10 times longer.
- Standby solutions provide substantial energy savings by powering down the equipment when it is not in use.

**Designed to last**
- Protect your investment with EN81-71 Category 1 and 2 compliant materials.
- Enjoy the industry’s most flexible and versatile design offering, with over 100 materials and accessories, offering millions of possible combinations.

<table>
<thead>
<tr>
<th></th>
<th>KONE MonoSpace® 500</th>
<th>KONE MonoSpace® 700</th>
<th>KONE MiniSpace™</th>
<th>KONE TranSys™</th>
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<tbody>
<tr>
<td><strong>Load (persons)</strong></td>
<td>Up to 33</td>
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<td><strong>Load (kg)</strong></td>
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<td><strong>Travel</strong></td>
<td>24 floors / 60 m</td>
<td>24 floors / 60 m</td>
<td>24 floors / 40 m</td>
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</table>
KONE passenger elevators

Smooth, safe people flow, excellent reliability, and the best possible passenger experience in all traffic conditions.

- KONE’s space-efficient elevators maximize the use of the available shaft space, which means a larger, more comfortable elevator car can be installed. As well as increasing capacity, this also improves accessibility for all passengers.
- The gearless KONE EcoDisc® hoisting motor enables reliable operation and minimizes maintenance costs and downtime.
- KONE’s offering includes elevator solutions that are both visually appealing and functional at the same time. As well as offering the best possible passenger experience, our transit center elevators are designed to be accessible for all, well lit, user-friendly, easy to clean, resistant to wear, and durable enough to withstand vandalism.

CEILING
Type: CL88
Finishing: Asturias Satín (F) stainless steel
Light type: LED spot lights, round

WALLS
Glass (TW1)

FLOOR
Dallas Black (RC6) rubber

CAR OPERATING PANEL
KSS 670
Faceplate finishing:
Asturias Satín (F) stainless steel

HANDRAIL
HR94 Asturias Satín (F) stainless steel

SKIRTING
Asturias Satín (F) stainless steel
KONE service elevators

Reliable, convenient transportation of staff and goods within and between transit center buildings.

- Accurate leveling makes loading and unloading easy.
- Spacious car designed for transporting large loads.
- Full-width doors allow easy entry and exit, and maximize the available car space.
- Durable hoisting equipment and car interiors designed to cope with the demands of heavy loads and heavy-duty use.
Visual options

The visual options presented here are available for KONE MonoSpace® 500, KONE MonoSpace® 700 and KONE MiniSpace™ elevators. For KONE TranSys™ materials and accessories please contact a KONE sales agent.

Ceilings

- **Type: LF1**
  - Finishing: Pure White (RAL 9010)
  - Lighting: T5 fluorescent tubes
  - Note: Not available for KONE MonoSpace® 500

- **Type: RL11**
  - Finishing: Cloud White (P50), Misty Gray (P51)
  - Lighting: T5 fluorescent tubes
  - Note: Only available for KONE MonoSpace® 500

- **Type: CL88**
  - Finishing: Asturias Satin (F), Cloud White (P50), Murano Mirror (H)
  - Lighting: LED spot lights, round

- **Type: CL94**
  - Finishing: Asturias Satin (F), Cloud White (P50), Murano Mirror (H)
  - Lighting: T5 fluorescent tubes

Walls

**Brushed stainless steel**

- A Acid Proof
- F/F1 Asturias Satin

**Textured stainless steel**

- K Scottish Quad
- T51 Flemish Linen
- SS4 Aqua Weave

**Steel**

- Z Zinc coated, local paint or decoration
- R30 Nordic Gray

**Coated steel**

- Transparent glass
- TW1* Glass

**Colored glass**

- GW1 Siberian Glaze
- GW4 Manhattan Glaze
- GW10 Jaipur Glaze
- GW11 Soho Glaze

*Material complies with EN81-71 vandal resistant elevator solution Category 1*  
*Material complies with EN81-71 vandal resistant elevator solution Category 2*  
EN81-71 cat 2 elevator level compliancy needs to be ordered case by case and is available for KONE MonoSpace 700, KONE MiniSpace and KONE TranSys elevators.
**Floors**

**Metal plate**

- AL: Aluminum
- SS: Stainless steel
- ST: Chequered steel

*Note: Not available for KONE MonoSpace® 500*

**Rubber**

- RC6: Dallas Black
- RC20: Smoke Gray
- RC21: Denver Gray
- RC22: Shell Gray

**Vinyl**

- RC23: Coral Red
- RC24: Dusk Blue
- VF25: Flakey Gray

**Landing door finishes**

**Stainless steel**

- A: Acid Proof
- F/F1: Asturias Satin

**Textured stainless steel**

- K: Scottish Quad
- T51: Flemish Linen
- SS4: Aqua Weave

**Glass**

- TW1*: Transparent

**Steel**

- Z: Raw surface for local finishing
Visual options

Handrails

HR61*
Round
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)

HR63
Flat
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)

HR64*
Round, bent ends
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)
Golden brushed stainless steel (SS1)

HR65*
Triangular, bent ends
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)

HR81*
Round, sidewall and floor mounted
Finishings:
Brushed stainless steel (F)
Mirror polished stainless steel (H)
Golden brushed stainless steel (SS1)

HR94
Round, bent ends
Finishings:
Brushed stainless steel (F)

* Note
Also available as continuous handrail

Buffer rails

BR1
Flemish Linen (TS)

PR6
Brushed stainless steel
Signalization for transit elevators

KSS 140
Flush mounted, vandal resistant signalization

Car operating panel (COP)

Faceplate finishings:
Scottish Quad (K) stainless steel or
Asturias Satin (F) stainless steel

Display: Scrolling dot matrix

Landing devices

KSI 143
KSC 143
Partial height
Full height

* Note
The exact height of the COP depends on the car height (CH) and the selected ceiling option
## Car and shaft dimensions

Compliant with EN81-20 code

### KONE MonoSpace® 500

<table>
<thead>
<tr>
<th>Load kg</th>
<th>Persons</th>
<th>Speed m/s</th>
<th>Max. stops m/s</th>
<th>Car type</th>
<th>Car size BR/DD mm</th>
<th>Door width LL mm</th>
<th>Car interior height CH mm</th>
<th>Shaft width WW mm</th>
<th>Shaft depth WD mm</th>
<th>Overhead SH mm</th>
<th>Pit depth PH mm</th>
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Dimensions are according to CH 2300, for other dimensions, please contact your KONE sales representative.

### KONE MonoSpace® 700

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Dimensions are according to CH 2100, for other dimensions, please contact your KONE sales representative.

### KONE MiniSpace™

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<th>Door width LL mm</th>
<th>Car interior height CH mm</th>
<th>Shaft width WW mm</th>
<th>Shaft depth WD mm</th>
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Dimensions are according to CH 3000, for other dimensions, please contact your KONE sales representative.
## KONE TranSys™

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Dimensions are according to CH 2100, for other dimensions, please contact your KONE sales representative.

SEC = Single entrance car
TTC = Through type car
KONE provides innovative and eco-efficient solutions for elevators, escalators, automatic building doors and the systems that integrate them with today’s intelligent buildings.

We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE EcoMod™ and KONE UltraRope™.

KONE employs on average 47,000 dedicated experts to serve you globally and locally.