v-travel

TRAVEL

kusch.com

Geared towards international airports, cruise centres, bus and railway stations; in short, towards the market segment Transport in general – V-Travel is the newest generation of Public Seating. A series of benches specifically designed for waiting areas. Characterised by its unmistakeable aesthetics. Its intelligent engineering. Its perfect functionality. Its convincing handling.

Content

Design by Justus Kolberg

After having studied industrial design in Kiel, he started for Italian design studios. Upon his return to Germany, he designed several successful seating series for Wiege Entwicklungsgesellschaft. He is a freelancer since 1997. Many internationally renowned furniture manufacturers value his intelligent designs. As does Kusch+Co by giving him the opportunity to develop his special passion for contract seating.

Basic finishes

Bench, seat shell PU foam

Characterised by clean, slender lines. A clear-cut, no-frills silhouette. A design language that evokes emotions, and invites everyone to take a seat. Optionally available with intermediate bench tops. When placed between two seats, the bench top provides sufficient distance to the persons seated next to one.

Bench, seat shell fully upholstered

Boasting the same design aesthetics. However, with particularly hard-wearing and hygienic fabrics or high-grade leather. Upon request available with an intermediate bench top, suited for storage and maintaining more physical distance between the seated persons.

V-Travel 2-, 3-, 4-, 5-seater bench

Bench

VTRAVEL BENCH 2U   **VTRAVEL BENCH 3U**

Bench

VTRAVEL BENCH 4U   **VTRAVEL BENCH 5U**

Bench with raised seat

VTRAVEL BENCH 2U PRM   **VTRAVEL BENCH 3U PRM**

Bench with raised seat

VTRAVEL BENCH 4U PRM   **VTRAVEL BENCH 5U PRM**

Bench with top

VTRAVEL BENCH 2U T   **VTRAVEL BENCH 3U T**

Bench with top

VTRAVEL BENCH 4U T   **VTRAVEL BENCH 5U T**

Variations

2 seater bench

- Seat shell PU foam
- External and Internal armrests

3 seater bench

- Seat shell fully upholstered
- Top in the middle
- External armrests

3 seater bench

- Back to back connection
- Seat shell fully upholstered
- Top in the middle
- External armrests

4 seater bench

- Seat shell PU foam
  with cut-out in the back
- External armrests
- Power and data module

4 seater bench

- Seat shell PU foam
  with cut-out in the back
- External and Internal armrests

5 seater bench

- Seat shell fully upholstered
  with cut-out in the back
- PRM seat shell fully upholstered
- External and Internal armrests

5 seater bench

- Seat shell PU foam
- External armrests
- Power and data module

Accessories

PRM Seating

For passengers with reduced mobility, it is possible to raise the seat height of one or more seats within a bench row/configuration by 5 cm or more through the use of spacers. The stable arms provide extra support, facilitating taking a seat or getting up. These benches meet all the requirements of the EU regulation No. 1107/2006 which, among other things, regulates the availability of appropriate seating for passengers with reduced mobility.

PRM = passengers with reduced mobility

Back to back connection

Rectangular tubular steel distance bar to connect the stretcher bars. Either with or without armrests.

Stability

· Plastic glides
· Plastic glides, nonskid
· Floor fixation elements invisibly incorporated in leg/glide, either through screws or with adhesives

Power and data

- Power and data through invisible cable management, retrofittable at any time
- Cable duct module attached to the beam
- Ready-for-use wiring with plug connections
- Concealed cable management in the frame

- Power and data module (media port) between two seats, either with or without arms, fixed to the beam (for 4 seater and 5 seater benches only between the outer seats), inserts 1× country-specific power socket and 1× double USB charger (1× type A, 1× type C)
- Power and data module (media port) above one leg, either with or without armrests, fixed to the beam (only for 5 seater benches between the outer seats), inserts 1× country-specific power socket and 1× double USB charger (1× type A, 1× type C)

Construction and materials

V-Travel

Modular construction
- Beam construction for 2 – 5 seat shells with 2 legs
- All components and modules are attached to the beam through special fasteners

Frame
- Stable beam made of extruded aluminium profile
- Die-cast aluminium legs with glides
- External and internal armrests made of die-cast aluminium

Seat shell
- Ergonomically shaped seat shell, supporting frame inside, connection between seat and backrest in the middle, fully covered with PU foam
- Ergonomically shaped seat shell, beech plywood core, fully upholstered
- Seat shell is attached to the beam through fasteners

Tops
- Full core material HPL black, HPL Resopal finish Traceless TP black, thickness 13 mm, black edges

Cleaning, retrofitting, replacement
- PU surface is stain-resistant, easy to clean and to disinfect for optimum hygiene
- Seat shell optionally with cut-out in the back for easy cleaning
- PRM seat as well as arms can be easily retrofitted thanks to modular design
- Replacement of seat shells without major assembly effort

Transportation and assembly
- Cost-efficient transportation and shipping thanks to space-saving packaging units for components and modules
- On-site assembly on request
- Universally understandable assembly instructions

Materials

V-Travel

Frame

- Anodised aluminium beam
- Aluminium legs/armrests polished or powder coated
- Aluminium seat support powder coated
- Bench connector for back to back connection powder coated

Seat shell

- Seat shell PU foam, grained surface, black grey
- Seat shell fully upholstered
- Optional with cut-out in the back
- Optional available with upholstery with flame retardant foam or flame retardant foam and fireproof fabric

Tops

- Full core material HPL black, HPL Resopal finish Traceless TP black, low flammability, black edges, aluminium top support powder coated

PU
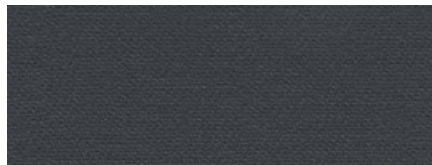
KG black grey

Dimensions

V-Travel

Weights

- 1 seat shell: approx. 10.0 kg PU foam, approx. 5.1 kg upholstered
- 1 seat shell (with cut-out in the back): approx. 9.5 kg PU foam
- 1 armrest: approx. 1.8 kg aluminium
- 1 intermediate armrest: approx. 1.7 kg aluminium
- 1 leg: approx. 1.7 kg aluminium
- Beam: approx. 6.6 kg/lin. m

Armests

- The length of the bench is not extended when adding external armrests
- The length of the bench is not extended when adding internal armrests

Dimension of the benches

- Length of the beam:
  2 seater bench: 124.8 cm
  3 seater bench: 184.8 cm
  4 seater bench: 244.8 cm
  5 seater bench: 304.8 cm
  = + 60 cm per additional seat shell
- Benches cannot be stacked
- Max. 5 seats can be linked without an additional supporting leg
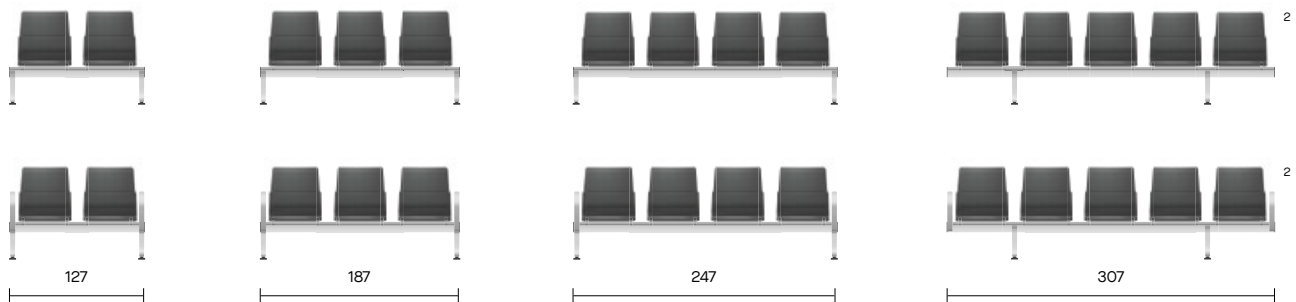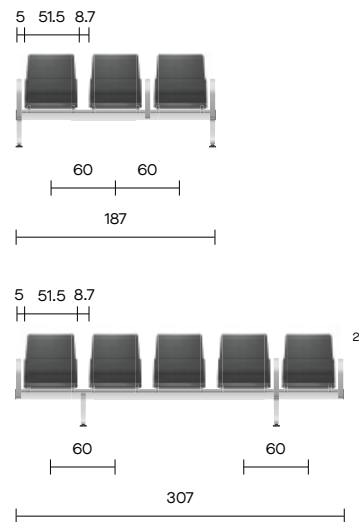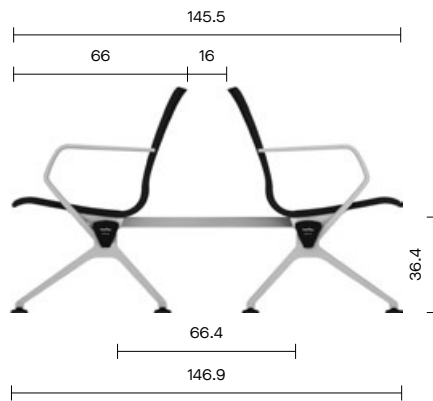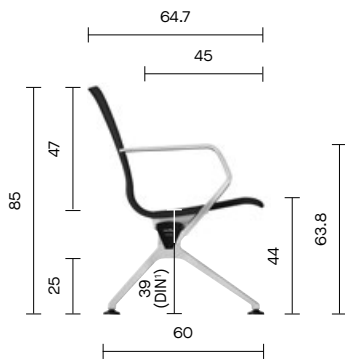
[1] The DIN seat height was determined acc. to DIN EN 1335-1, i.e. the seat height measured by means of a measuring device at the position of the ischial tuberosity (sitting bones) after having placed a load of 50 kg on the half width of the seat.
[2] The legs of 5 seater benches are shifted inwards by one seat

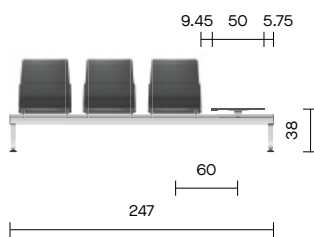Dimensions in cm

PRM Seating

- Raised seat: seat height 49 cm, and raised posture by 2 cm
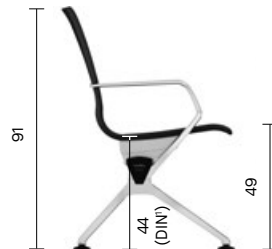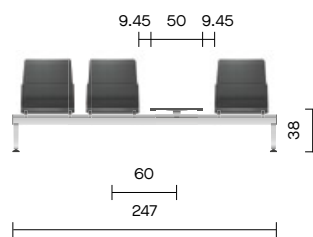

Tops

Rectangular top as internal top

- Dimensions 50 × 50 cm
- When used as an internal table top, the bench's dimensions remain unchanged

Rectangular top as external top

- Dimensions 50 × 50 cm
- When used as an external table top, the bench's dimensions remain unchanged

Fire Prevention

Upholstery

The upholstery is optionally available with flame retardant foam. In addition, it is available with the Kusch+Co Fire Prevention Concept, consisting of a special fabric "flamline" (approved by the building authorities and A2 nonflammable according to DIN 4102) between the upholstery foam and the fabric.

This concept achieves four life-saving objectives. The seating:
- is self-extinguishing,
- reduces the smoke development,
- prevents an incipient fire from spreading out,
- does not turn into an additional ignition source.

Test reports in compliance with national and international standards document the laboratory fire tests conducted on different series finished with a wide variety of materials.

With regard to the upholstery, e.g. with leather, artificial leather as well as many textile fabrics, or to our unupholstered variations featuring a plywood, laminated or plastic seat shell, most of our series meet the following standards:
- Germany: DIN 66084 P-a
- France: NF D 60-013
- Great Britain: BS 5852 Crib 5
- Italy: UNI 9176
- Europe: EN 1021 part 1/2

Seat shell PU foam

The foam system meets the requirements of the following standards:
- Germany: DIN 66084 P-a
- France: NF D 60-013
- Great Britain: BS 5852 Crib 5
- Italy: UNI 9175
- Europe: DIN EN 1021 part 2

Tops

Tops made of HPL full core material are low flammability conform DIN EN 13501 B s1 d2.

On request, we happily make the test reports available to you – please contact us.

Please contact us to receive further information.
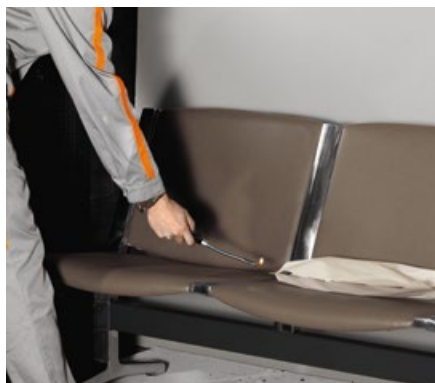
Germany: DIN 66084 P-a

Quality

Excerpt

Our environmental and quality management systems are certified acc. to DIN EN ISO 14001:2015 and to DIN EN ISO 9001:2015. External audits as well as our in-house laboratory safeguard our quality level.

The benches of series V-Travel meet the following standards:
· DIN EN 16139 Level 1 (strength)
  (≙ DIN EN 13761)
· DIN EN 16139 Level 2 (strength)
  (≙ DIN EN 15373 Level 3)
· DIN EN 1022 (stability)

To equip our bench systems with power and data modules, we use high-quality components made by various manufacturers that have tested their products in accordance with VDE guidelines and the following EU directives:
· Electromagnetic Compatibility Directive 2014/30/EU
· Low Voltage Directive 2014/35/EU
· RoHS3 (Restriction of Hazardous Substances) Directive 2015/863/EU

All of our professionally installed wiring, plugs and netboxes once again undergo electrical testing at our plant and are then labelled and documented as having done so in accordance with DIN EN 50699 VDE 0702: 2016. They are then given a seal of approval and a CE declaration of conformity in accordance with the German Product Safety Act (ProdSG).
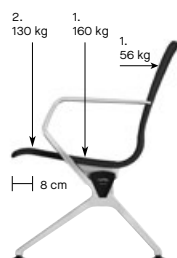
We are certified in compliance with DIN EN ISO 9001:2015. In our own laboratory, we test our products before their market launch whether they comply with the normative requirements applicable to contract seating, task chairs, and tables, and issue a Declaration of Conformity.

We happily make these Declarations of Conformity as well as our brochure "Mission Statement Quality" providing detailed information on our test procedures available to you – please contact us.
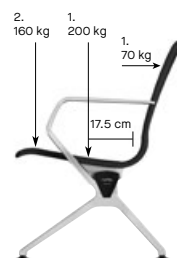
Static load

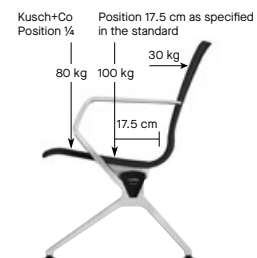**DIN EN 16139 Level 1**
(≙ DIN EN 13761)

2.
130 kg
1.
160 kg
1.
56 kg

8 cm

DIN EN 16139 Level 2
(≙ DIN EN 15373 Level 3)

2.
160 kg
1.
200 kg
1.
70 kg

17.5 cm

Dynamic load

DIN EN 16139 Level 1
DIN EN 16139 Level 2

Kusch+Co Position ¼
Position 17.5 cm as specified in the standard

30 kg
80 kg 100 kg

17.5 cm

Sustainability

Excerpt

Kusch+Co products stand for long life cycles and optimum recyclability. From the first design drafts of a new product, we take all environmental-relevant components and production processes into consideration, ranging from the materials selection and the design all the way to the manufacturing processes which also contribute towards our sustainable energy balance.

References

Excerpt

Austria
· Innsbruck Airport
· Vienna International Airport

Belgium
· General Hospital Sint-Maarten, Mechelen

China
· Beijing Capital International Airport
· Beijing Daxing International Airport

Costa Rica
· SJO Juan Santamaría International Airport, Alajuela

France
· Aéroport de Lyon – Saint Exupéry
· Paris Aéroport – Charles de Gaulle

Germany
· Berlin Brandenburg Airport Willy Brandt
· Berufsgenossenschaftliches Universitäts-klinikum Bergmannsheil gGmbH, Bochum
· Tegel Airport, Berlin

Guadeloupe
· Aéroport International de Pointe-à-Pitre Le Raizet

Indonesia
· I Gusti Ngurah Rai International Airport, Denpasar
· Yogyakarta International Airport Kulon Progo

Italy
· Toscana Aeroporti Firenze, Florence

Jordan
· Queen Alia International Airport, Amman

Norway
· Harstad/Narvik Airport, Evenes
· Trondheim Airport Værnes, Stjørdal

Russia
· Sheremetyevo International Airport, Moscow
· Rostov-on-Don Airport

Saudi Arabia
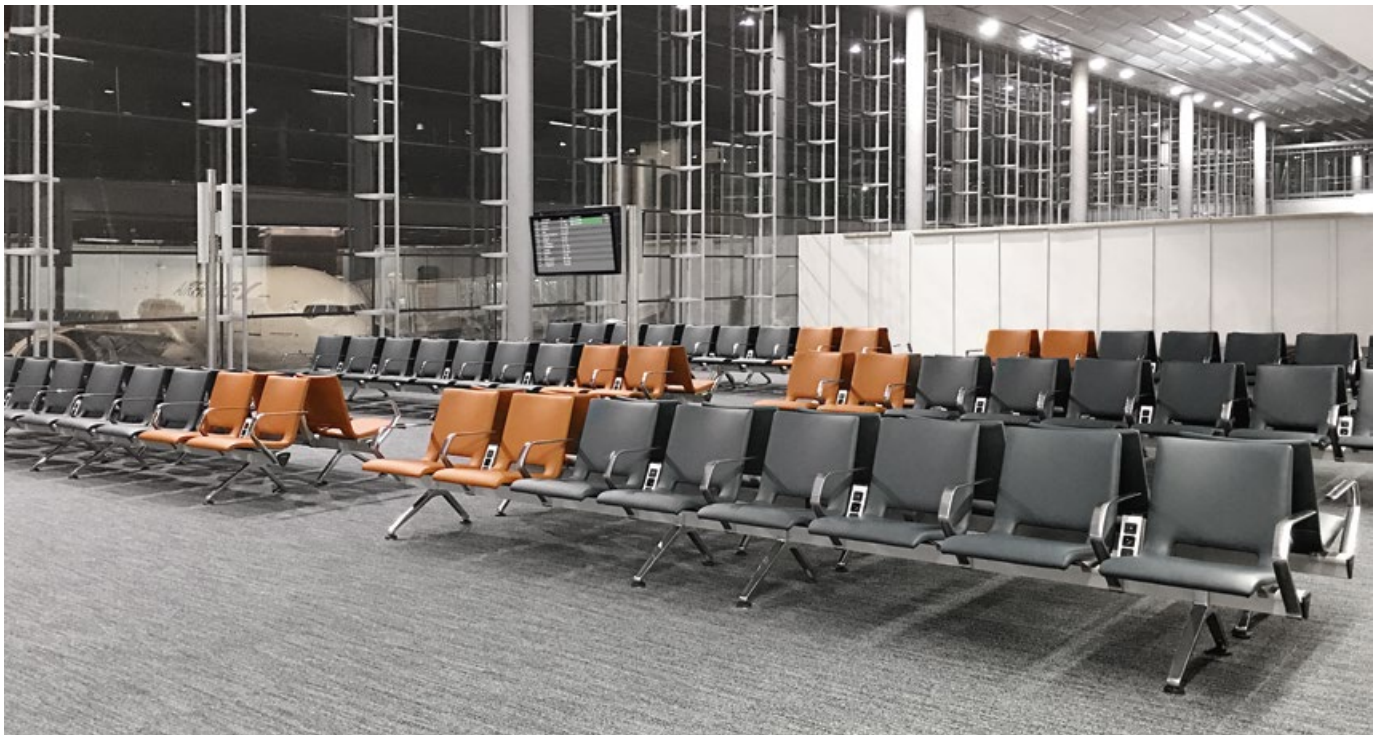· King Abdulaziz International Airport, Jeddah

Serbia
· Belgrade Nikola Tesla Airport

Sweden
· Göteborg Landvetter Airport, Landvetter

USA
· Hartsfield-Jackson Atlanta International Airport
· PortMiami's Royal Caribbean Cruise Terminal A

Paris Aéroport – Charles de Gaulle

GERMAN AIRPORT TECHNOLOGY & EQUIPMENT | GATE

ACI WORLD BUSINESS PARTNER

References

Excerpt

Göteborg Landvetter Airport, Landvetter

Berlin Brandenburg Airport Willy Brandt

Göteborg Landvetter Airport, Landvetter

References

Excerpt

Paris Aéroport – Charles de Gaulle

Belgrade Nikola Tesla Airport

SJO Juan Santamaría International Airport, Alajuela

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