# terminal



# KUSCHCO



Its architectonic design and its technical perfection turn this series into a bench seating system of extraordinary versatility. The design is founded on the principle of territoriality, defining each seat separately through gently curved seat shells. A highly successful series in the market segments Airport and Public Seating, with thousands of seat units installed worldwide.



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#### Design by Prof. Jørgen Kastholm

Born in Denmark, he was trained as an artist blacksmith before studying architecture and interior design. From 1961, he established himself internationally with his minimalistic furniture designs. In 1969, he was awarded the German design prize "Gute Form", winning many more in his career. From 1975 until 1996, he began lecturing as assistant professor at the University Wuppertal, where he was subsequently appointed professor. He returned to Denmark where he passed away in 2007.



#### Terminal 2, 3, 4 seater bench, metal shells

A series made of pure metal. A hard-wearing and heavy-duty bench, ideally suited for highly-frequented contract environments. The anatomically designed perforated steel seat shells ensure an ergonomic comfort.

### Terminal 2, 3, 4 seater bench, PU shells

These seat shells, made of polyurethane (PU) with its slightly grained surface, offer an excellent comfort level, are pleasant to touch, and at the same time heavy-duty and low-maintenance.



#### Terminal 2, 3, 4 seater bench, metal shells







TERMINAL BENCH 2U 4L M

TERMINAL BENCH 3U 4L M

TERMINAL BENCH 4U 4L M

#### Terminal 2, 3, 4 seater bench, PU shells



TERMINAL BENCH 2U 4L P

TERMINAL BENCH 3U 4L P

TERMINAL BENCH 4U 4L P

## Variations

#### 2 seater bench, metal shells

- · Perforated steel seat shells
- Without armrests



#### 4 seater bench, metal shells

- Perforated steel seat shells
- External and internal armrests



#### 3 seater bench, PU shells

- PU foamed seat shells
- External and internal armrests







## 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 armrests 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



#### Stability

- Plastic glides
- Plastic glides nonskid
- Wall spacer
- Floor fixation elements, invisibly integrated in pedestal/glides



## Construction and materials, materials

#### Construction and materials

#### Modular construction

Beam construction for 1 up to 4 seats.

#### Frame

- Stable beam made of square tubular steel
- Aluminium die-cast pedestals with glides
- Aluminium die-cast external and internal armrests

#### Seat shell

- Ergonomically shaped, perforated steel seat shell, waterfall front seat edge (benches with metal shells)
- Steel side strips with rounded edges, powder coated or chromed (benches with metal shells
- Ergonomically shaped seat shell. PU foam as self-supporting construction with inside steel frame (benches with PU shells
- Seat shell screwed to the beam through steel supports

#### Cleaning, retrofitting, replacement

- PU surface is stain-resistant, easy to clean and to disinfect for optimum hygiene
- PRM seats and armrests can be easily retrofitted

#### Materials

#### Seat shell

- Seat shell perforated steel powder coated (benches with metal shells)
- Seat shell PU foam, grained PU surface, black (benches with PU shells

#### Frame

- Beam/side rails powder coated or bright chrome side rails (if legs/armrests polished aluminium)
- Aluminium legs/armrests powder coated or polished aluminium

PU



#### Benches, metal shells

#### Weights

- 1 seat shell: approx. 10 kg
- 1 supporting pedestal: 4 kg
- 1 arm: 1.5 kg
- Beam: 4.5 kg/m

#### Armrests

- The length of the bench is not extended
   when adding external armrests
- Per internal armrest plus 5 cm

#### Center to center

- Without internal armrest 59 cm
- With internal armrest 64 cm

#### **Dimensions of the benches**

- Length of the beam
- 1 seater bench: 67 cm
- 2 seater bench: 125 cm
- 3 seater bench: 185 cm
- 4 seater bench: 245 cm The glides stick out by 1.5 cm;
- add  $2 \times 1.5$  cm to get overall dimensions
- Benches cannot be stacked







<sup>1</sup> 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.

Dimensions in cm

#### Benches, PU shells

#### Weights

- 1 seat shell: approx. 9.7 kg
- 1 supporting pedestal: 4 kg
- 1 arm: 1.5 kg
- Beam: 4.5 kg/m

#### Armrests

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

#### Center to center

- Without internal armrest 59 cm
- With internal armrest 59 cm

#### Dimensions of the benches

- Length of the beam
  1 seater bench: 68 cm
  2 seater bench: 126 cm
  3 seater bench: 185 cm
  4 seater bench: 244 cm
  The glides stick out by 1.5 cm;
  add 2 × 1.5 cm to get overall dimensions
- Benches cannot be stacked







## Dimensions

#### **PRM** Seating

- Raised seat: seat height 49 cm
- Raised armt height by 5 cm on request (only for models 7100/5, 7130/5)

Metal shells



PU shells



<sup>1</sup> 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.
<sup>2</sup> metal seat shell (models 7100/5)
<sup>3</sup> PU foamed seat shell (models 7150/5)

Dimensions in cm

## Fire Prevention

#### Frame with perforated steel seat shell

We are happy to provide a so-called Construction Materials Classification Certificate for the variations 7100/5. They meet the requirements of A2 non-combustible acc. to DIN 4102.

#### PU foamed seat shells

This 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
- Europe: DIN EN 1021 Teil 2
- ,

Please contact us if you wish to receive the test reports.

Please contact us to receive further information.



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 Terminal 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)
- EN 1728:2010 with UNI 10977 Level 5

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)



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



#### **Dynamic load**

#### DIN EN 16139 Level 1 DIN EN 16139 Level 2





## 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

#### Argentina

· Aeropuerto Internacional Ministro Pistarini, Buenos Aires/Ezeiza

#### Bangladesh

· Hazret Shahjalal International Airport, Dhaka

#### Belgium

· Brussels South Charleroi Airport

#### Brunei

 Brunei International Airport, Bandar Seri Begawan

#### Chile

· Aeródromo Maquehue, Temuco

#### **Republic of the Congo**

· Aéroport de Djambala

#### **Czech Republic**

· Václav Havel Airport Prague

#### Egypt

Cairo International Airport

#### France

- · Paris Aéroport Charles de Gaulle
- · Paris Aéroport Orly

#### Germany

 Düsseldorf International Airport Stuttgart Airport

## Ireland

• Dublin Airport

#### Italy

- · Aeroporto di Milano Malpensa
- · Aeroporto Leonardo da Vinci, Rome-Fiumicino

#### Morocco

Aéroport Fès Saïss

#### Norway

Svalbard Airport, Longyearbyen

Portugal Faro Airport

#### Russia

- Sheremetyevo International Airport, Moscow
- Vnukovo International Airport, Moscow

#### Saudi Arabia

- King Abdulaziz International Airport, Jedda
- King Fahd International Airport, Dammam
- Prince Mohammad Bin Abdulaziz International Airport, Madinah

#### **Republic of Slovakia**

• M. R. Štefánik Airport, Bratislava

#### South Africa

- · King Shaka International Airport, Durban
- OR Tambo International Airport, Johannesburg

#### Spain

· Aeropuerto de Valencia

#### Switzerland

Zurich Airport

#### Tunisia

· Aéroport International de Tunis Carthage

#### Ukraine

Boryspil International Airport, Kiev

#### United Arab Emirates

Abu Dhabi Cruise Terminal

#### USA

• St. Louis Lambert International Airport

#### Zambia

· Kenneth Kaunda International Airport, Lusaka





M. R. Štefánik Airport, Bratislava







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