



Photo: Rigging Services, UK. Project Galleries Lafayette

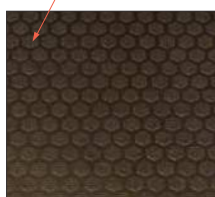
StageDex is based on a special extruded aluminium profile. The top board is bolted and glued to the frame to reduce noise and vibration. All decks are available in metric and imperial sizes.

TOP LINE FRAME

- Internal reinforcement of corner
- Standard spigot entry on the topside of the deck to attach EasyRail system
- Birch plywood, special water resistant quality

BASIC LINE FRAME

- Birch plywood, unfinished, indoor use only.
- Birch plywood, clear varnish, indoor use only.
- Birch plywood, black coating, indoor use only.



Birch plywood, anti skidding top layer, non permanent outdoor use



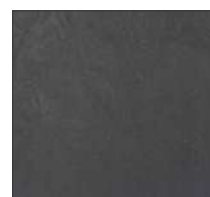
Top line frame, reinforcement corner



Birch plywood, unfinished, indoor use only



Birch plywood, clear varnish, indoor use only



Birch plywood, black coating, indoor use only

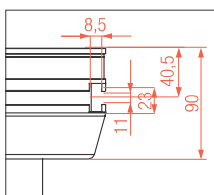


Photo: Extreme, Jordan

SPECIAL TOPPING

- Luxurious transparent decks for special applications. The transparent top board is made from durable, scratch-resistant Acrylic.
- High load resistance, 500 kg/m²
- Can be combined with regular StageDex.
- Clear / acrylic
- Frosted / acrylic
- Maximum allowable temperature 70°C

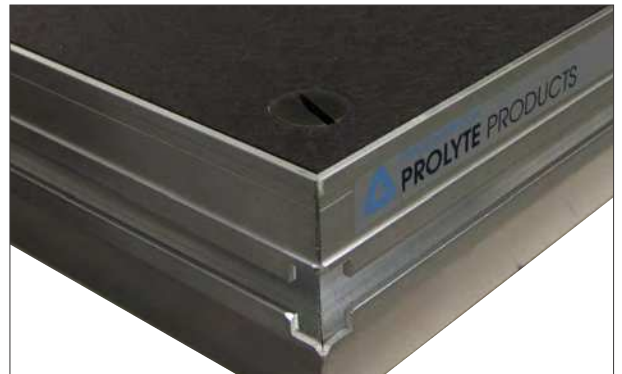
For both StageDex types different types of top board can be supplied on request. Contact our Internal Sales department for more information.



Clear / Frosted

CLEVER PARTS THAT MAKE THE DIFFERENCE

1. Choose a top line frame to have the advantages of a top-based spigot entry, which allows simple and efficient mounting of handrails.



2. The universal leg fitting can hold square as well as round types of legs and fixates with one simple handle. The multifunctional profile offers several add-ons.



TECHNICAL SPECIFICATIONS AND ALLOWABLE LOADS

DEFINITION

Currently there are no strict definitions for a stage as used in the entertainment market. A stage or stage floor as discussed here is essentially a temporary raised platform to accommodate performances of any kind at public or private events.

APPLICATION

Stages, stage floors, raised floors and raised seating areas are used in the event, hotel and exhibition market, a broad business sector that encompasses (but is not restricted to) all activities for leisure and sports, arts and cultural performances, amusement, or the presentation of products.

Allowable loading for different leg types

LEG TYPES	UNIFORMLY DISTRIBUTED LOAD kg/m ²				
STAGE HEIGHT IN CM	80 cm	100 cm	120 cm	160 cm	180 cm
Tube 48,3 x 4 (EN AW 6060 T5)	500	500	350	350	n.a.
Tube 48,3 x 3 (EN AW 6082 T6)	750	500	500	350	n.a.
Tube 48,3 x 4 (EN AW 6082 T6)	750	750	500	500	350
Tube 48,3 x 3 (ST37)	750	750	500	500	500
Profile 40 x 40 x 3 (EN AW 6082 T6)	500	500	500	350	n.a.
Profile 40 x 40 x 2 (ST 37)	500	500	500	350	350
Telescopic leg	stage height 450 mm - 1400 mm 750 - 350 kg/m ²				
	450 < 800 mm	800 < 1200 mm	1200 < 1400 mm		
	750 kg	500 kg	350 kg		

n.a. = not allowed = Prolyte standard tube
all data based on a standard deck of 2 x 1 m

Calculated with 1/10 of the vertical load transferred into a horizontal load (conform DIN 4112 / EN 13814)

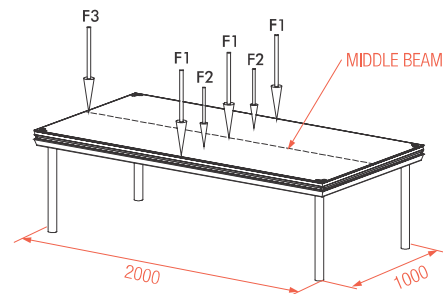
Loading types

Uniformly distributed load	750 kg/m ²
Pointload F1	350 kg
Pointload F2	210 kg
Pointload F3	500 kg

The pointload should be applied to a minimum area of 50 x 50 mm.
Pointload to be placed as indicated on drawing. 1 pointload total allowed.

Technical Specifications

Types	standard, standard arched, basic
Frame	Aluminium (EN AW 6005A T6)
Top board	Plywood
Legs	48,3 x 3 mm (EN AW 6082 T6)
Legs with adjustable feet	48,3 x 3 mm (EN AW 6082 T6), with steel spindle on pvc base
Telescopic leg	48,3 x 4 / 60 x 5 mm (EN AW 6082 T6)
Maximum load	750 kg/m ² UDL
Self weight	35,6 kg



DO

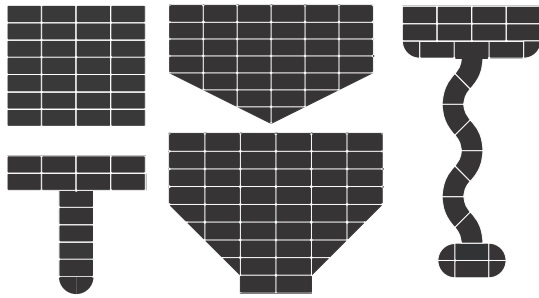
- Check to ensure the stage floor is properly aligned and completely level.
- Check the application conditions of your stage, as the type of use is directly related to safety issues like handrails.
- Brace your staging legs when needed for stability.
- Make sure all stage elements are interconnected.
- Take notice of local regulations for stages and allowed purposes.
- Store StageDex upside down to decrease setup time.
- Maintain your StageDex at regular intervals.
- Inform your crew beforehand on safety procedures (like evacuation procedures) in case of emergency situations.
- Make sure your construction is properly grounded.

DO NOT

- Use materials in poor condition, the payload might be reduced substantially.
- Apply loads before knowing their exact weight and size.
- Exceed the maximum allowable load.
- Use unfinished StageDex top board in outside conditions.
- Exceed the maximum building height of the stage or its support frame.
- Use the hang-on profile without reducing the maximum allowable payload.
- Build your stage on unstable ground.
- Use StageDex elements as ballast for your roof without using the proper support frame.

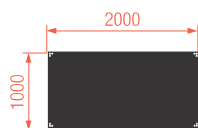
NEED TO KNOW MORE?

Please go to www.prolyte.com for more technical information on StageDex systems, manuals and loading tables. In the Prolyte BlackBook (technical background information) we provide more in-depth technical knowledge on stages and stage floors.

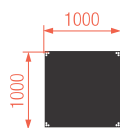


USE YOUR IMAGINATION

The system's flexibility lets you apply your imagination to create individual staging constructions. StageDex can be transformed quickly and easily, often without the need for tools. StageDex comes in a variety of standard sizes and shapes, so every imaginable stage can be constructed.



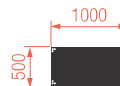
SM-DL-T-200100



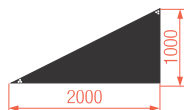
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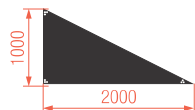
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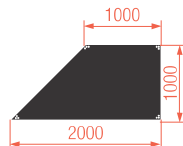
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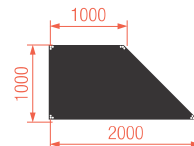
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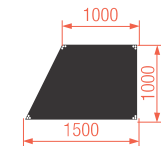
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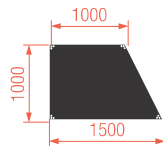
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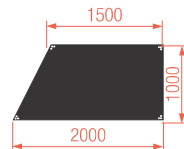
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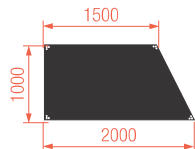
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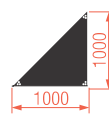
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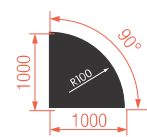
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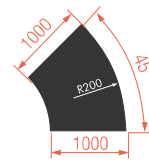
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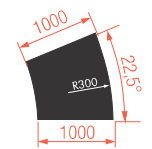
SM-DL-T-9



SM-DL-T-R100



SM-DL-T-R200



SM-DL-T-R300

CIRCULAR STAGES

The Prolyte Group is able to fabricate circular stages that are actually based on curved segments. Each section or segment is handbuilt by our craftsmen, therefore small differences in size and shape may occur.



STANDARDS

Standards that apply to stages and temporary constructions:

EN 13814 Fairground and amusement park machinery and structures Safety.

DIN 4113 Parts 1, 2, and 3 Aluminium constructions under predominantly static loading.

DIN 4112 Temporary structures, fairground amusements, directives for dimensioning and construction.

DIN 1055 Action on structures

DIN 18800 Steel structures.

DIN 15920 Stage and studio set-up: Safety regulations for practicals, ramps, steps, stairs and railings.



Photo: Decima SRL, Padova, Italy, Scenographer Santucci Claudio