

TECHNICAL SPECIFICATIONS

DEFINITION

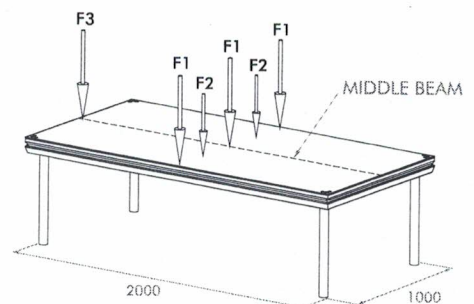
At this time there are no strict definitions known for a stage as used in the entertainment market. A stage or stage floor is essentially a temporary raised platform to accommodate performances of any kind at public or private events

APPLICATION

Stages, stage floors, raised floors and raised seating area's are used in the event, hotel and exhibition market, which can be defined as (but not restricted to) all activities for leisure and sports, arts and cultural performances, amusement, or presentation of products.

Stage Dex - 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
tube 40 x 40 x 3 (EN AW 6082 T6)	500	500	500	350	n.a.
tube 40 x 40 x 2 (ST 37)	500	500	500	350	350
Telescopic leg	stage height 450mm-1400mm 350-750 kg/m ²				
n.a. = not allowed all data based on a standard deck of 2 x 1m Calculated with 1/10 of the vertical load transfered 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 Stage Dex	
Types	standard, standard arched, basic
Frame	Aluminium (EN AW 6005A T6)
Topping	Plywood
Legs	48,3 x 3 mm (EN AW 6082 T6)
Legs with adustable 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)
Max. load	750 kg/m ² UDL
Self weight	37 kg



DO NOT

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

DO

- Check if the Stage Floor is properly aligned and completely level.
- Check the application conditions of your stage, the type of use is directly related to safety issues like handrails.
- Brace your staging legs when needed for stability reasons.
- Make sure all stage elements are interconnected.
- Take notice of local regulations for stages and their purposes.
- Store Stage DEX upside down to decrease set-up time.
- Maintain your Stage DEX on regular intervals.
- Inform your crew beforehand on safety procedures in case of emergency situations like evacuation procedures.
- Make sure your construction is properly grounded.

Need to know more?

Please go to www.prolyte.com for more technical information on Prolyte Stage DEX systems, manuals and loading tables.