

Surface Challenge 3

FSW224



One of the major problems for elderly people is falling. These accidents often happen because the elderly person is not able to overcome or react to minor changes in the surface. The surface challenge gives the opportunity to, under safe conditions, train to overcome typical obstacles found in nature and urban environments. Some of the challenges here

focuses on the important toe-lift. Either on small obstacles or bigger ones like the curb. Other challenges focuses on ankle- and overall foot control. Finally, the different surfaces and materials stimulates sensory feedback which also enhances gait stability.

Item no. FSW22400-0902	
General Product Information	
Dimensions LxWxH	101x431x105 cm
Age group	13+
Play capacity (users)	5
Colour options	



See KOMPAN Fit app for more



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The Robinia bars are made from de-barked and sap free Robinia trunks in various dimensions. Robinia is a native European wood species with high strength and natural durability in various climatic conditions. KOMPAN uses wood from FSC-certified sources.



The stone surface is made from polymer concrete (polyester concrete), which is a mixture of sand, gravel and dust mixed with polyester. The material is five times stronger and more waterproof than ordinary concrete, which gives it a very long lifespan and very low maintenance.



Handrail intended as grips during exercises are made of hot-dip galvanised steel $\varnothing 38\text{mm}$, a great diameter for a good grip and to support the wrist. The height of the handrail is 940mm from the top of the HPL plate. The distance between the rails is 900mm.



All challenges are mounted on HPL plates of 1396x896x18mm. High-pressure laminate plates (HPL) have a moulded-in non-skid surface and HPL is a homogenous material with a very high wear resistance.



All KOMPAN fitness products are compliant with the ASTM F3101 & EN16630 Outdoor Fitness Standards. Load tests are performed as a static test by adding dynamic factors as well as safety factors to the specified load of 78kg per user. A product intended for 1 user is loaded with 420kg.



The information sign is made of a PA6 (Polyamide) and shows the most relevant exercise and a QR code. When scanned the QR code will link to an animated illustration of the exercise and offers the possibility of downloading the KOMPAN sport & fitness App, which will provide a large amount of exercises and workouts.

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Installation Information

Max. fall height	20 cm
Safety surfacing area	15.7 m ²
Total installation time	7.8
Excavation volume	0.23 m ³
Concrete volume	0.12 m ³
Footing depth (standard)	90 cm
Shipment weight	407 kg
Anchoring options	In-ground ✓ Surface ✓

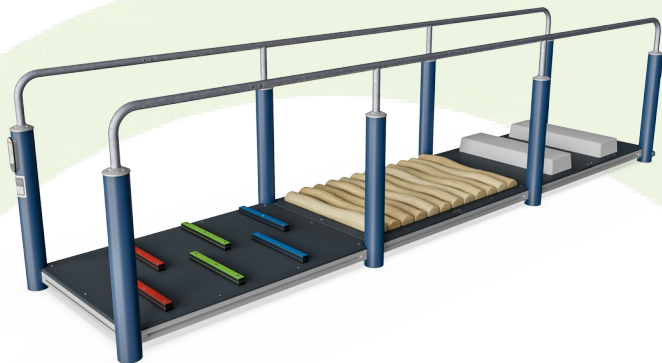
Warranty Information

Connectors	10 years
Hot dip galvanised steel	Lifetime
HPL decks	15 years
Post	10 years
Spare parts guaranteed	10 years

**ASTM
F3101
compliant**

Sustainability Data

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Cradle to Gate A1-A3	Total CO ₂ emission	CO ₂ e/kg	Recycled materials
	kg CO ₂ e	kg CO ₂ e/kg	%
FSW22400-0902	687.50	2.42	16.80

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

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Verification of CO₂ calculation of: Fitness



Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Fitness" represented by item no.: FAZ10100-0900.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

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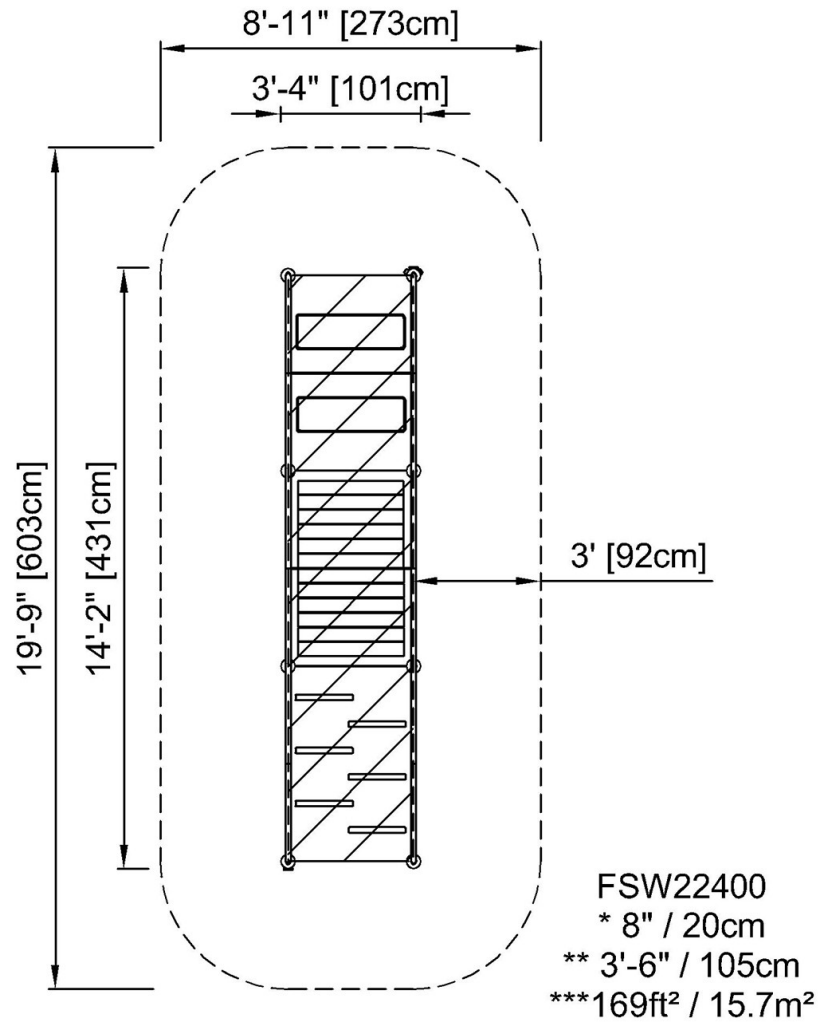


Surface Challenge 3

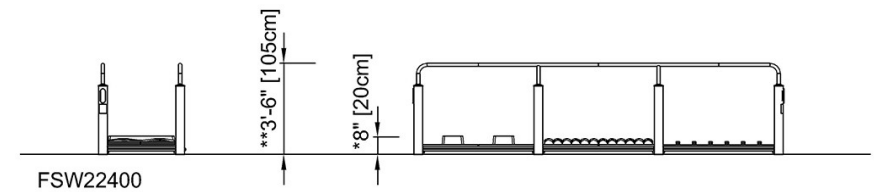
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* Max fall height | ** Total height | *** Safety surfacing area

* Max fall height | ** Total height



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[Click to see SIDE VIEW](#)