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**TECHNICAL AND EXAMINATION INSTITUTE OF
CONSTRUCTION PRAGUE, s.p.**

Technical and Test Institute for Construction Prague

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Branch plant EXPERIMENTAL INSTITUTE OF LIGHT INDUSTRY

Branch Office Test Institute of the Light Industries

Nemanická 441/8, 370 10 České Budějovice

Authorised person 204 according to ÚNMZ Decision No. 3/2015

Published by

according to the provisions of Act No. 22/1997 Coll., on Technical Requirements for Products and on Amendments and
Supplements to Certain Acts,
173/1997 Coll., establishing selected products for conformity assessment,
as amended

TYPE CERTIFICATE

No. 100-06 7349

Product:

**Permanently installed play equipment and public playground elements
and combinations thereof, listed in Annex 1**

Applicant:

Hřiště Hrou s.r.o.

ID: 03673073
Address: Sobotecká 810, 511 01 Turnov
Manufacturer: Hřiště Hrou s.r.o.
ID: 03673073
Address: Hnanice 35, 512 63 Hnanice
Order: Z100240012

Authorized person 204 certifies by this certificate that he has found the sample of the product in question to be in conformity with the basic requirements of Government Regulation No. 173/1997 Coll., which establishes selected products for conformity assessment, as amended, specified:

ČSN EN 1176-1 ed.2: 2018 Playground equipment and surfaces - Part 1: General safety requirements and test methods, ČSN EN 1176-2 ed.2: 2018 Playground equipment and surfaces - Part 2: Additional specific and safety requirements and test methods for swings, ČSN EN 1176-3 ed.2: 2018 Playground equipment and surfaces - Part 3: Additional specific and safety requirements and test methods for slides, ČSN EN 1176-4 ed. 2: 2019 Playground equipment and surfaces - Part 4: Additional specific and safety requirements and test methods for ropeways, EN 1176-5: 2020 Playground equipment and surfaces - Part 5: Additional specific and safety requirements and test methods for carousels, EN 1176-6 ed. 2: 2018 Playground equipment and surfaces - Part 6: Further specific and safety requirements and test methods for rockings, EN 1176-11:2015 Playground equipment and surfaces - Part 11: Further specific and safety requirements and test methods for 3D nets

This certificate is issued on the basis of the protocol on the result of product certification No. 100-067348 dated 07.03.2024 issued by TZÚS Praha, s.p. - a branch office of ZÚLP České Budějovice, which is handed over to the applicant. The protocol contains the conclusions of the survey and the conditions of validity of the certificate.

The certificate is issued for the purpose of issuing a declaration of conformity of the applicant's product with the above mentioned technical regulations.

The certificate has 2 annexes (7 pages), which are an integral part of the certificate.

Certificate valid until 06.03.2027

České Budějovice, 07.03.2024



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Annex No 1 to type certificate No 100-067349**List of main groups of game elements**

2024-1-01 CLIMBING SETS and their combinations	2024-1-08 ROPE CLIMBING AND WALKING SYSTEMS and their combinations	2024-5-00 CAROUSELS and their combinations
2024-1-02 WALKING AND CLIMBING LOG STRUCTURES and their combinations	2024-1-09 PARALLEL AND HORIZONTAL BARS and their combinations	2024-6-00 ROCKING EQUIPMENT and its combinations
2024-1-03 INTERACTIVE ELEMENTS and their combinations	2024-1-10 NETS AND THROW-IN ELEMENTS and their combinations	2024-7-00 CLIMBING SETS - PLANED PLANK PROGRAMME and their combinations
2024-1-04 SANDPITS and their combinations	2024-1-11 WIRE COMPONENTS and their combinations	2024-8-00 BALANCING AND DYNAMIC COMPONENTS and their combinations
2024-1-05 BRIDGES and their combinations	2024-2-00 SUSPENSION SWING "A" and its combinations	2024-9-00 3D NETS and their combinations
2024-1-06 MONKEY BARS and their combinations	2024-3-00 SLIDES and their combinations	2024-10-01 WALL FILLINGS AND EQUIPMENT
2024-1-07 TUNNELS AND TUNNEL ASSEMBLIES and their combinations	2024-4-00 ROPEWAYS and their combinations	2024-10-02 SWINGING HANGERS AND EQUIPMENT

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List of subgroups of game elements

No.	Group name	No.	Name of subgroup	No.	Category	Basic dimensional parameters min./max. w x d x h (mm)
1	General assemblies and their combinations	1	Climbing sets and their combinations	_01	With one centre rack	1000x1000x1500 / 6000x6000x6000
				_02	With multiple racks	1000x1000x1500 / 20000x20000x10000
				_03	Type A construction	2500x2000x1800 / 12000x4000x6000
				_04	Suspended structures	500x500x500 / 3000x3000x3000
				_05	With a roof (tented, gabled, shed roof, only spars or arched)	1000x1000x1500 / 6000x6000x6000
				_06	Without roof	1000x1000x1500 / 6000x6000x6000
				_07	Connected to the tree	1500x1500x3000 / 3500x3500x5500
				_08	On ground	1000x1000x1000 / 2500x2500x2500
				_09	Variations of design (log, plank, slat walls, walls made of bent slats)	1000x1000x1500 / 8000x8000x9000
		2	Walking and climbing log structures and their combinations	_01	Horizontal	1000x100x100 / 5000x1000x2000
				_02	Transversal	1000x1000x100 / 6000x1000x2000
				_03	Vertical (totems)	200x200x1000 / 1000x1000x5000
				_04	Balancing (swivel structures)	500x200x400 / 3000x1500x4000
				_05	Suspended	1000x1500x2000 / 3000x6000x4000
				_06	Equipment (smooth, with notches, with foot steps, without handles, with handles)	according to the dimensions of the basic structure
		3	Interactive elements and their combinations	_01	Painting boards	800x100x800 / 3000x500x2000
				_02	Counters	800x100x800 / 2000x500x2000
				_03	Rotating cubes and plates	800x100x800 / 2000x500x2000
				_04	Puzzles	500x500x200 / 2000x2000x1000
				_05	Xylophones, dendrophones	800x200x1000 / 3000x500x2500
				_06	Tubular ear canals	150x150x600 / 500x500x2000
				_07	Interactive water equipment	800x200x1000 / 10000x10000x3000
				_08	Ball tracks	800x100x1000 / 4000x500x2500
				_09	Ball mazes	300x300x500 / 1500x1500x1200
				_10	Interactive educational elements with pendulums and pulleys	500x800x1200 / 2500x4000x3500
				_11	Interactive mobile elements	500x200x500 / 2500x1000x2500
				_12	Interactive elements with ropes	500x100x500 / 2500x3000x2500

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České Budějovice, 07.03.2024



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No.	Group name	No.	Name of subgroup	No.	Category	Basic dimensional parameters min./max. w x d x h (mm)
1	General assemblies and their combinations	4	Sandpits and their combinations	_01	Fence only (plank, log, palisade)	1000x1000x100 / 15000x15000x1000
				_02	Fence with seat	1000x1000x100 / 15000x15000x1000
				_03	Fence with sliding lid	1000x1000x300 / 2000x4000x500
				_04	With a shade structure with a cover or wooden roof	1000x1000x1500 / 15000x15000x3500
				_05	Sheating of concrete sandpits	1000x1000x200 / 15000x15000x3500
				_06	Overground tables with fence	1000x500x500 / 4000x4000x800
				_07	Sandpits equipment pulleys, riddles, conveyor belts, conveyor tracks, hods, fillers, buckets or pipes	According to the dimensions of the construction
		5	Bridges and their combinations	_01	From nets/from ropes	1000x500x200 / 8000x2000x2000
				_02	Fixed bridges	1000x500x200 / 5000x2000x2000
				_03	Bridge from slats	1000x500x200 / 5000x2000x2000
				_04	Prismatic / log bridge	1000x500x200 / 5000x2000x2000
				_05	Heavy suspended beams, ropes	1000x500x100 / 5000x2000x2000
				_06	Suspended logs	1000x500x200 / 5000x2000x2000
				_07	Tunnels (PE, stainless steel, net)	Pr. min. 400x1000 / pr. 750x10000
		6	Monkey bars and their combinations	_01	Monkey bar	1000x500x1500 / 6000x2500x4000
				_02	Handle	1000x500x1500 / 6000x2500x4000
				_03	Rope	1000x500x1500 / 6000x2500x4000
		7	Tunnels and tunnel assemblies and their combinations	_01	Overground uncovered	Pr. min. 400x1000 / pr. 750x10000
				_02	Overground landed up	Pr. min. 400x1000 / pr. 750x10000
				_03	Underground	Pr. min. 400x1000 / pr. 750x10000
				_04	With circular (ellipsoidal) intersection	Pr. min. 400x1000 / pr. 750x10000
				_05	With square (rectangular) intersection	Pr. min. 400x1000 / pr. 750x10000
		8	Rope climbing and walking systems and their combinations	_01	Construction for standing trees	2000x150x1000 / 50000x50000x3000
				_02	On separate stakes	2000x150x1000 / 50000x50000x3000
				_03	Without platform	2000x150x1000 / 50000x50000x3000
				_04	With plank platform	2000x600x1000 / 50000x50000x3000
				_05	With logs	2000x500x1000 / 50000x50000x3000
				_06	Low	2000x150x1000 / 50000x50000x3000
				_07	High, multilevel with protective nets	5000x5000x3000 / 50000x50000x14000
				_08	Rope systems equipment (equipment is horizontal, vertical or inclined and includes bridges, ropes, ladders, walking logs, walking beams, suspended plank platforms, suspended beams, suspended logs, nets, skips, tyres, balancing elements, suspended balloons, conveyor rubber crossings, tunnels (wire, plastic, net) or rims	According to the dimension of the ropeway

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No.	Group name	No.	Name of subgroup	No.	Category	Basic dimensional parameters min./max. w x d x h (mm)
1	General assemblies and their combinations	9	Parallel and horizontal bars and combinations	_01	Parallel bars	800x1500x200 / 2000x2000x3500
				_02	Horizontal bars	500x500x200 / 2000x2000x2500
				-	-	-
		10	Nets and throw-in elements and their combinations	_01	Goals	500x500x500 / 7500x2500x2500
				_02	Throw-in elements	500x500x150 / 3500x2000x3000
				-	-	-
		11	Wire components and combinations	_01	Tunnels	400x400x1000 / 1000x1000x10000
				_02	Voluminous spatial formations (wire cylinders, spheres, blocks)	1000x1000x1500 / 20000x20000x10000
		-	-	-	-	-
2	Suspension swings and their combinations	-	-	_01	Swing type A	2500x2000x1800 / 6000x4000x6000
				_02	Swing on vertical stakes	2500x400x1800 / 6000x2000x6000
				_03	Swing with one-point suspension	1000x1500x2000 / 3000x6000x4000
				_04	Single swing	2500x2000x1800 / 6000x4000x6000
				_05	Multiple swing	2500x2500x1800 / 8000x8000x6000
				_06	Connected to the structure	2500x2000x1800 / 6000x4000x6000
3	Slides and their combinations	-	-	_01	Stainless	1000x450x700 / 7000x1000x3500 (slope.)
				_02	With wooden sides	1000x550x700 / 7000x1000x3500 (slope.)
				_03	From plastic or laminate	1000x450x700 / 7000x1000x3500 (slope.)
				_04	Sliding ramp	500x500x500 / 3000x1000x1500
				_05	Spiral swing	Hmin 1000 / Hmax 3000
				_06	Tunnel swing	Diameter 780 Length by design
4	Ropeways and their combinations	-	-	_01	With start from a tower or other structure	10000x200x2800 / 35000x70000x5000
				_02	Design A-A	10000x2500x2500 / 35000x8000x5000
				_03	Design with 3 stakes	10000x1500x2500 / 35000x4000x5000
				_04	Vertical stake	10000x200x2800 / 35000x1500x5000
				_05	Suspended seat	10000x200x2800 / 35000x70000x5000
				_06	Suspended bar	10000x200x2800 / 35000x70000x5000
5	Carousels and their combinations	-	-	_01	Carousel type B - smooth plate	500x500x500 / 2500x2500x800
				_02	Carousel type B - with seats	1200x1200x800 / 2500x2500x2000
				_03	Carousel type B - with handles (for standing)	500x500x1000 / 2500x2500x2000
				_04	Carousel type E	500x500x500 / 2000x2000x1000

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No.	Group name	No.	Name of subgroup	No.	Category	Basic dimensional parameters min./max. w x d x h (mm)
6	Rocking equipment and their combinations	-	-	_01	Rocker (for sitting, standing)	2000x500x1000 / 4000x3000x3000
				_02	With spring single-pointed with movement in the main direction (astride, seat with side plates)	500x400x500 / 1500x1000x1200
				_03	With spring single-pointed with movement in several directions	500x500x500 / 1500x1500x1500
				_04	With spring multi-pointed with movement in several directions	80x800x400 / 3000x6000x3000
				_05	With cradling movement	1000x500x1200 / 3000x1000x2000
				_06	Spring balancing	400x400x400 / 4000x1000x3000
				_07	Bulk objects on springs	400x400x400 / 8000x8000x5000
				_08	Hanging rocker	1500x1500x2000 / 4000x4000x3000
7	Climbing sets – planned plank programme and their combinations	-	-	_01	Walls	1000x1000x250 / 6000x1000x6000
				_02	Spatial construction vertical	1000x1000x1500 / 20000x20000x10000
				_03	Spatial construction arched	2500x2000x1800 / 12000x4000x6000
				_04	With a roof (tented, gabled, shed roof, only spars or arched)	1000x1000x1500 / 6000x6000x6000
				_05	Without a roof	1000x1000x1500 / 6000x6000x6000
8	Balancing and dynamic components and their combinations	-	-	_01	Freestanding	1000x1000x1000 / 6000x4000x3000
				_02	Integrated into the exact space in the interior	Dimension defined by the designed space
				_03	Slides and water slides	1000x450x700 / 7000x1000x3500 (slope.)
				_04	Ball pools	1000x1000x100 / 8000x8000x600
				_05	Design characteristics identical to GROUP 1	1000x1000x1500 / 6000x6000x9000
				_06	Variants (prism, log, plank, slat walls, plywood)	1000x1000x1500 / 6000x6000x9000
9	3D nets and their combinations	-	-	_01	PP ropes with steel core	Constr. with nets mesh 120x120 / 600x600
				_02	Strength protection nets	Constr. with nets mesh 30x30 / 120x120
				_03	Cargo nets	Constr. with nets mesh 30x30 / 120x120
				_04	Chain nets	Constr. with nets mesh 120x120 / 600x600
				_05	Fixed to the structure	According to the dimensions of the construction
				_06	Fixed to live trees	According to the dimensions of the construction

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No.	Group name	No.	Name of subgroup	No.	Category	Basic dimensional parameters min./max. w x d x h (mm)
10	Gaming components and their combinations	1	Wall panels and equipment and their combinations	_01	Fitting of wall elements (fence, solid walls, board walls with gaps, horizontal boards, vertical boards, log infill, loghouse, with window, with entrance opening, with or without infill, with interactive element)	According to the dimensions of the construction
				_02	Other equipment (floor, benches, tables)	According to the dimensions of the construction
				_03	Enters (net, ladders, climbing wall with holds, climbing wall with holes, fixed ladder, hanging ladder, full wall, wall with window, wall with entrance hole and door, wall with entrance, painting board, wooden handrail (slat), metal handrail, rope or chain railing, low fence, slide, spiral or climbing bar, stairs, ramp, slide ramp, suspended rope, racking tube, tire ramps, barriers with an opening up to 500 mm wide or with an opening over 500 mm wide, wall with a throw-in device)	According to the dimensions of the construction
				_04	Additional components	According to the dimensions of the construction
				_05	Motion and sound components	According to the dimensions of the construction
		2	Swinging hangers and equipment and their combinations	_01	Seat for small children	According to the dimensions of the construction
				_02	Seat for bigger children	According to the dimensions of the construction
				_03	Seat for disabled children	According to the dimensions of the construction
				_04	Combi seat for parent and child	According to the dimensions of the construction
				_05	Bird's nest seat	According to the dimensions of the construction
				_06	Tire seat horizontal or vertical	According to the dimensions of the construction
				_07	Hanging rope	According to the dimensions of the construction
				_08	Hanging ladder	According to the dimensions of the construction
				_09	Rope-end swing	According to the dimensions of the construction
				_10	Hanging balloon or grape	According to the dimensions of the construction
				_11	Hanging climbing element or net	According to the dimensions of the construction
				_12	Circular seat cushion	According to the dimensions of the construction

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Annex 2 to type certificate No 100-067349

Terms of validity and use of the certificate

1. Type certificate may be used only for the purposes for which it was issued.
2. The certificate holder is obliged to:
 - a) inform the certification body of any changes:
modification of the product(s) or production process
material changes that affect the conformity of the certified product(s);
 - b) notify the certification body of changes in ownership, structure or management;
 - c) keep records of all complaints concerning non-conformity of the certified product(s) with the requirements of the relevant standard, technical regulation;
 - d) take appropriate action to rectify the non-conformity and document the action taken;
 - e) expose the above complaint records to the certification body on request.
3. The certification body shall re-evaluate the product(s) in the event of changes affecting product characteristics, changes to a standard, technical regulation or significant changes in the ownership, structure or management of the organisation.
4. The applicant has the right to appeal against this certificate to TZÚS Praha, s.p. within 15 days from the date of delivery of the certificate.

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