

versatīle



Projekt:

Paré:

HŘIŠTĚ JANKOVICE

Místo:

Jasmínová
288 02, Nymburk

Parc. č., k. ú.:

1062/30
Nymburk [708232]

Investor:

Město Nymburk
Náměstí Přemyslovců 163/20, 288 02 Nymburk

IČ: 002 39 500

Stupeň dokumentace:

Dokumentace pro provedení stavby

Část dokumentace:

SO01 Architektonicko-stavební řešení

Autor:

Versatile s.r.o.
Vínohradská 1188/58, 130 00 Praha 3

IČ: 066 64 164

Zodpovědný projektant:

Ing.arch. Daniel Pružina

ČKA 04 618

Vypracoval:

Ing. arch. Tereza Césarová

Dokument/Výkres:

Koncepce založení prvků

Měřítko:

Datum:

15.03.2021

Objekt:

Číslo výkresu:

SO01.21

A1 - HRACÍ CHALOUPKA SE SCHODY A SKLUZAVKOU

Safety zone in accordance with EN 1176

Sicherheitsabstand gemäß EN 1176

Espace d'évolution selon EN 1176

Zona de seguridad según EN 1176

Distanze di sicurezza in conformità con lo standard EN 1176

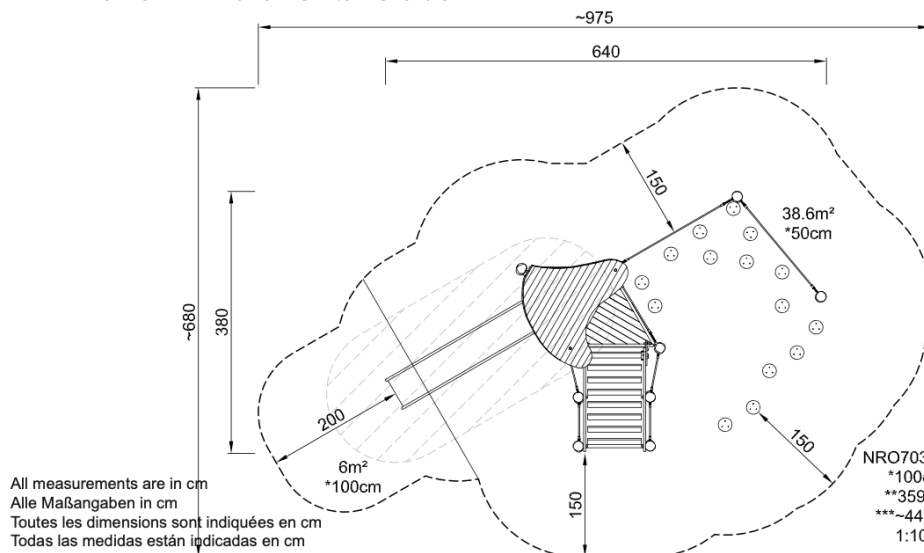
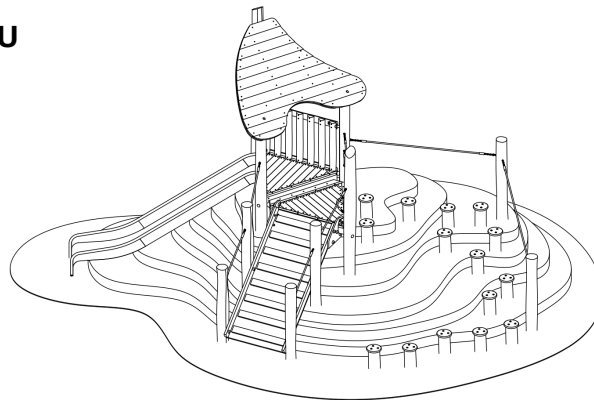
Veiligheidsgebied in overeenstemming met EN 1176

Säkerhetsområde enl EN 1176

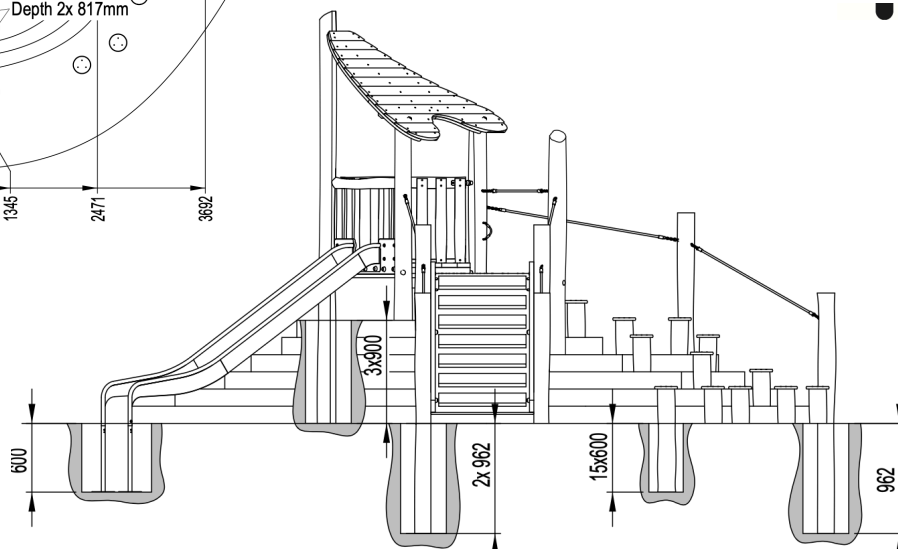
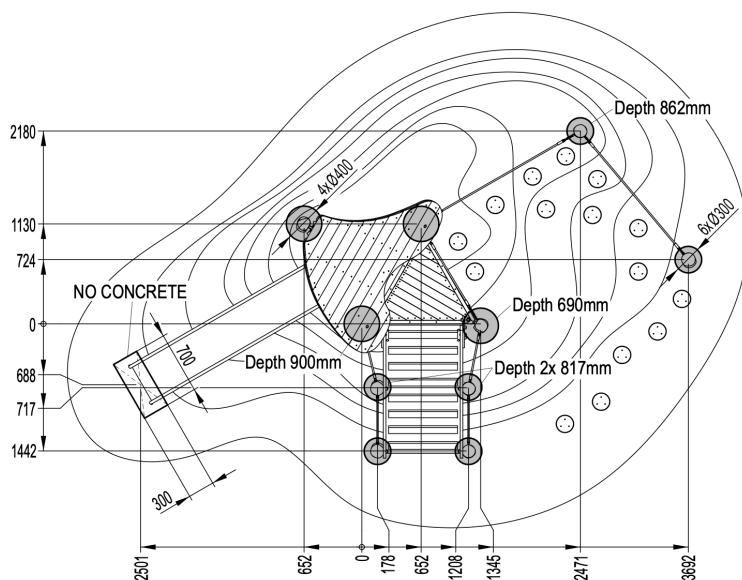
Sikkerhedsareal iht. EN 1176

Зона безопасности в соответствии с EN 1176

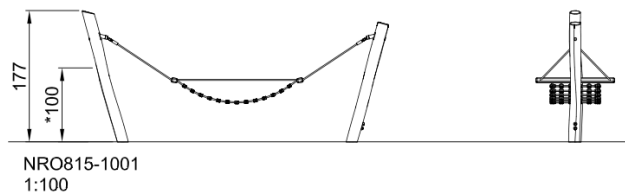
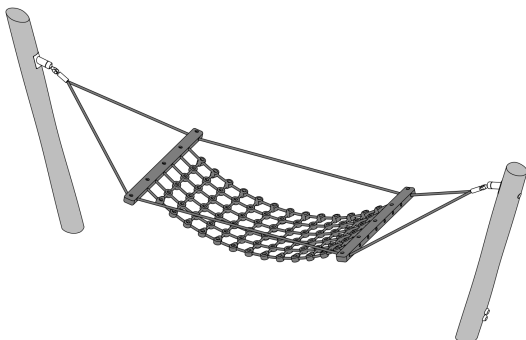
EN1176-normin mukainen turva-alue



* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



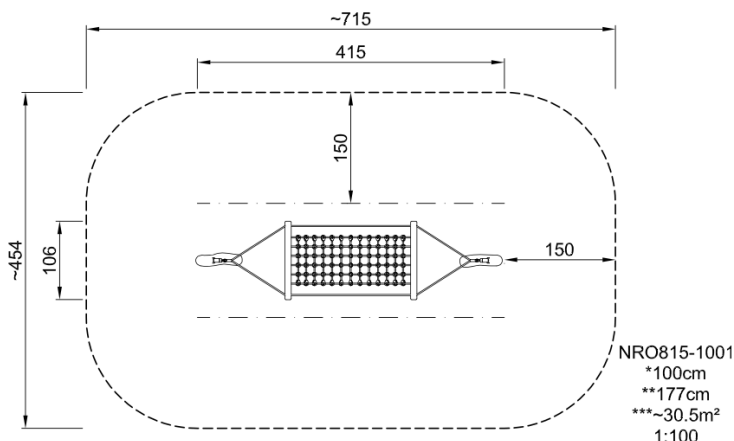
A2 - HOUPACÍ SÍŤ



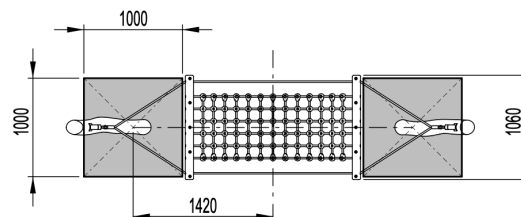
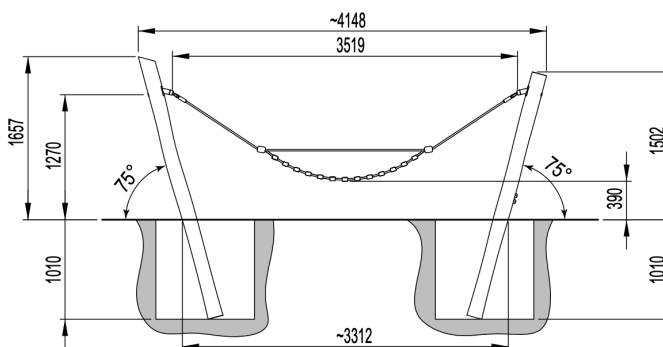
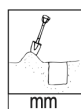
Safety zone in accordance with EN 1176

* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus

All measurements are in cm
 Alle Maßangaben in cm
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 Tutte le misure sono in cm
 Alle afmetingen zijn in cm
 Alla mått är angivna i cm
 Alle mål er angivet i cm
 Все измерения в см.
 Kaikki ohjeissa mainitut mitat ovat senttimetrejä.



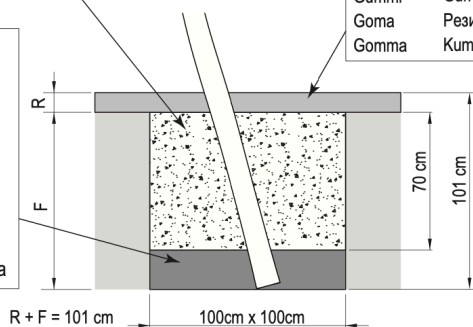
Important! The concrete must be sufficiently hardened before the play item may be used.
 Total volume of concrete: Min 1,376 m³



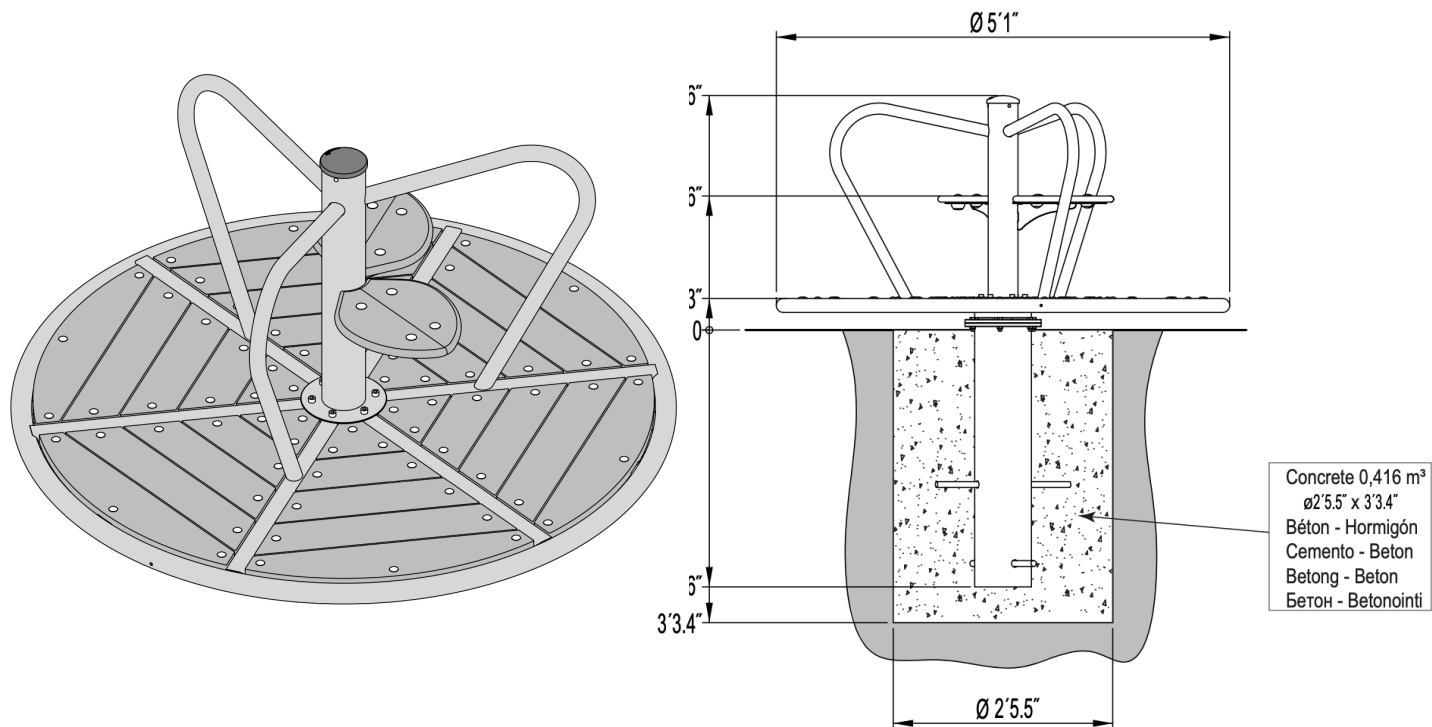
Concrete 0,688 m³
 100 x 100 x 70cm
 Béton - Hormigón
 Cemento - Beton
 Betong - Beton
 Бетон - Betonointi

Rubber Gummi
 Sol couté Gummi
 Gummi Gummi
 Goma Резина
 Gomma Kumi

Compacted soil/ hard ground
 Terre compactée / Grave
 Terreno compactado
 Terreno compattato
 Komprimerad jord/ fast underlag
 Komprimeret jord / fast underlag
 aangestampte grond / vaste grond
 Verdichtetes Bodenmaterial
 Tiivistetty maa-aines
 утрамбованный грунт/твёрдая почва

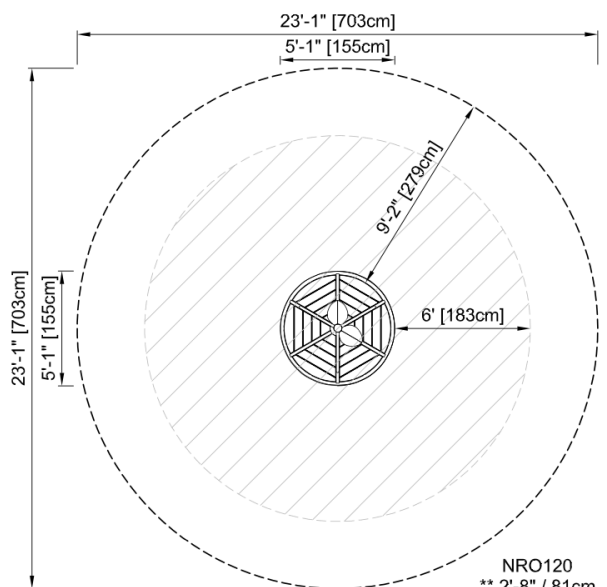
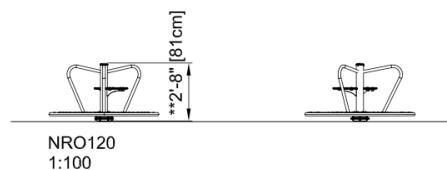


A3 - KOLOTOČ SE SEDÁKY



Important! The concrete must be sufficiently hardened before the play item may be used.
Total volume of concrete: Min 0,416 m³

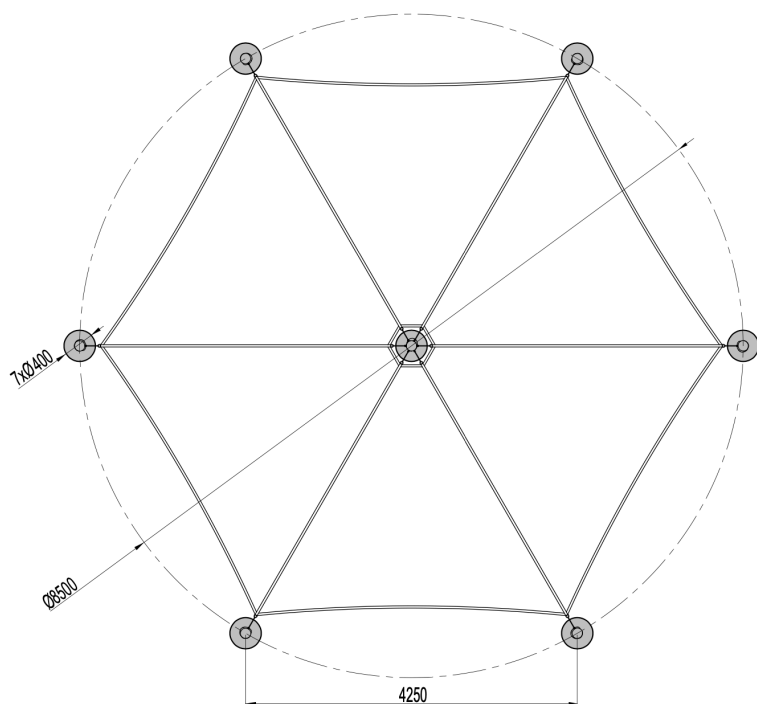
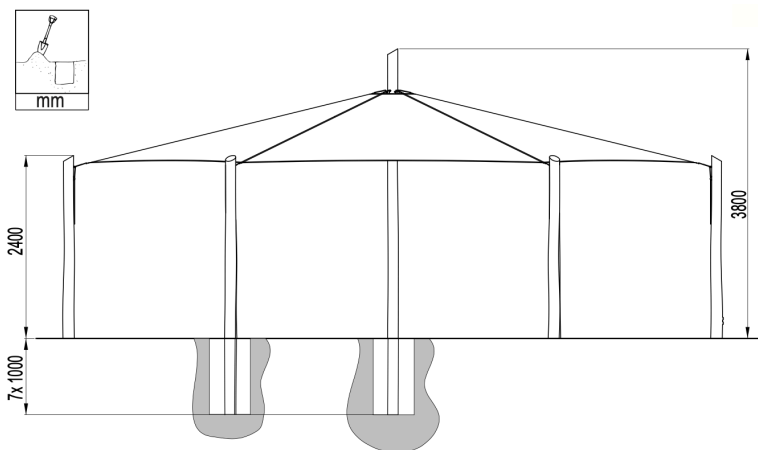
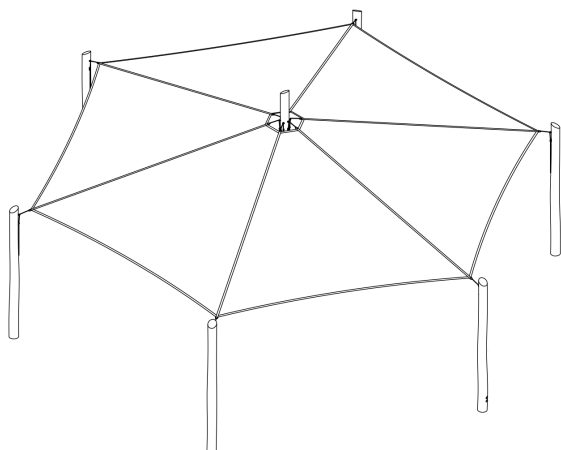
Safety zone in accordance with ASTM 1487
Sicherheitsabstand gemäß ASTM 1487
Espace d'évolution selon ASTM 1487
Zona de seguridad según ASTM 1487
Distanze di sicurezza in conformità con lo standard ASTM 1487
Veiligheidsgebied in overeenstemming met ASTM 1487
Säkerhetsområde enl ASTM 1487
Sikkerhedsareal iht. ASTM 1487
Зона безопасности в соответствии с ASTM 1487
ASTM 1487-normin mukainen turva-alue



* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

NRO120
** 2'-8" / 81cm
** 2'-8" / 81cm
*** 419.8ft² / 39m²
1/8" = 1'-0"

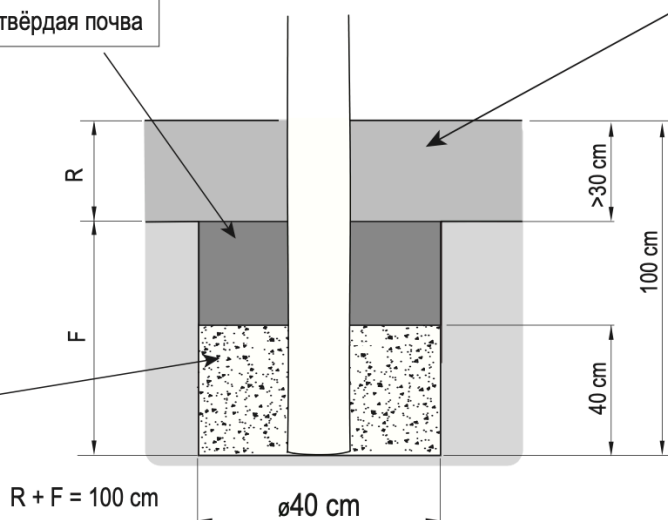
A4 - MARKÝZA SE SEDMI SLOUPKY



Compacted soil/ hard ground
Terre compactée / Grave
Terreno compactado
Terreno compattato
Komprimerad jord/ fast underlag
Komprimeret jord / fast underlag
aangestampte grond / vaste grond
Verdichtetes Bodenmaterial
Tiivistetty maa-aines
утрамбованный грунт/твёрдая почва

Loose fill
Matériaux fluents
Lockers material
Material suelto
Materiale sciolto
Lös fyllningsmaterial
Løst påfyldningsmateriale
Losse bodemmaterialen
Irtomateriaali
Амортизационный
сыпучий материал

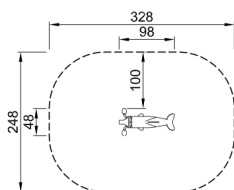
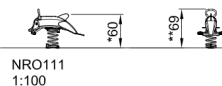
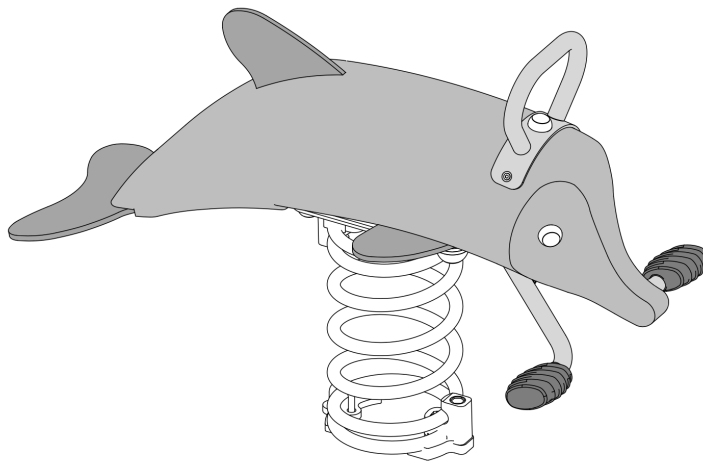
Concrete 0,050 m³
ø40 x 40cm
Béton - Hormigón
Cemento - Beton
Betong - Beton
Бетон - Betonointi



Important! The concrete must be sufficiently hardened before the play item may be used.
Total volume of concrete: Min 0,350 m³

A5 - PRUŽINOVÉ HOUPADLO

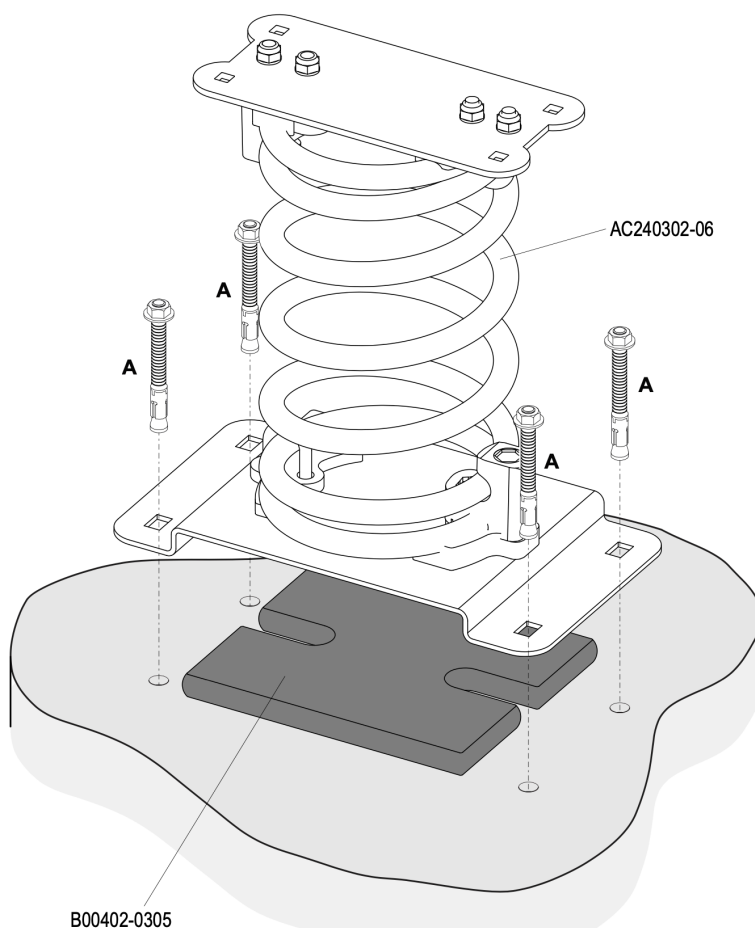
Safety zone in accordance with EN 1176
 Sicherheitsabstand gemäß EN 1176
 Espace d'évolution selon EN 1176
 Zona de seguridad según EN 1176
 Distanze di sicurezza in conformità con lo standard EN 1176
 Veiligheidsgebied in overeenstemming met EN 1176
 Säkerhetsområde enl EN 1176
 Sikkerhedsareal iht. EN 1176
 Зона безопасности в соответствии с EN 1176
 EN1176-normin mukainen turva-alue



All measurements are in cm
 Alle Maßangaben in cm
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 Tutte le misure sono in cm
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 Alla mätt är angivna i cm
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 Все измерения в см.
 Kaikki ohjeissa mainitut mitat ovat senttimetrejä.

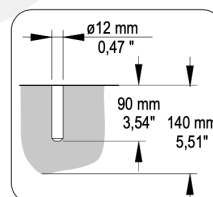
NRO111-xx01
 *60cm
 **69cm
 ***7.3m²
 1:100

* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



M12x100
 400317

400317 - 12 mm:



B1 - DVOUMÍSTNÁ HOUPAČKA

Safety zone in accordance with EN 1176

Sicherheitsabstand gemäß EN 1176

Espace d'évolution selon EN 1176

Zona de seguridad según EN 1176

Distanze di sicurezza in conformità con lo standard EN 1176

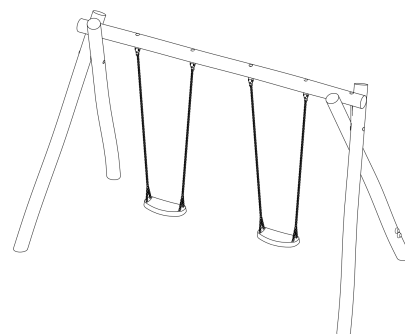
Veiligheidsgebied in overeenstemming met EN 1176

Säkerhetsområde enl EN 1176

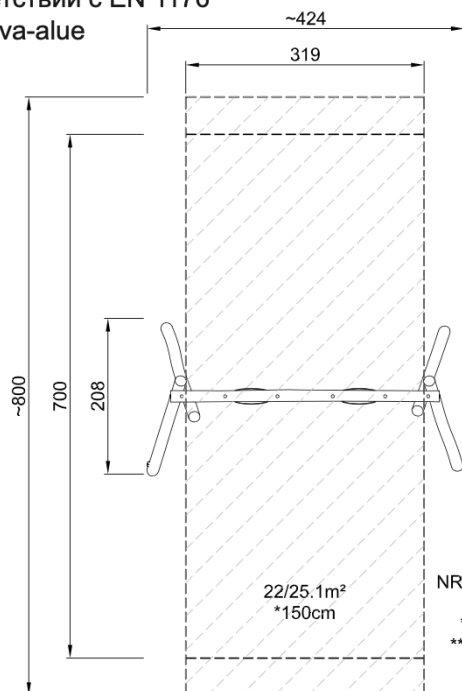
Sikkerhedsareal iht. EN 1176

Зона безопасности в соответствии с EN 1176

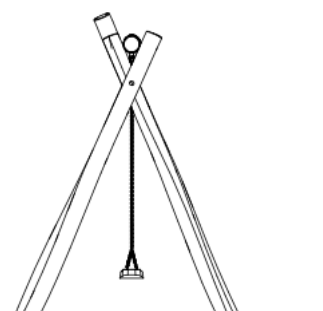
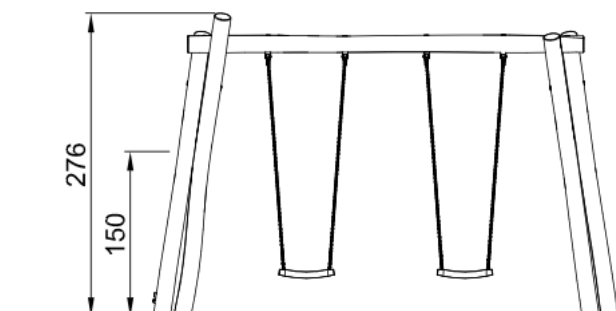
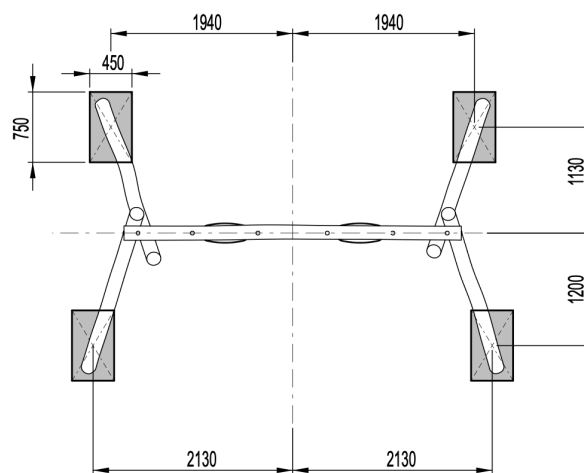
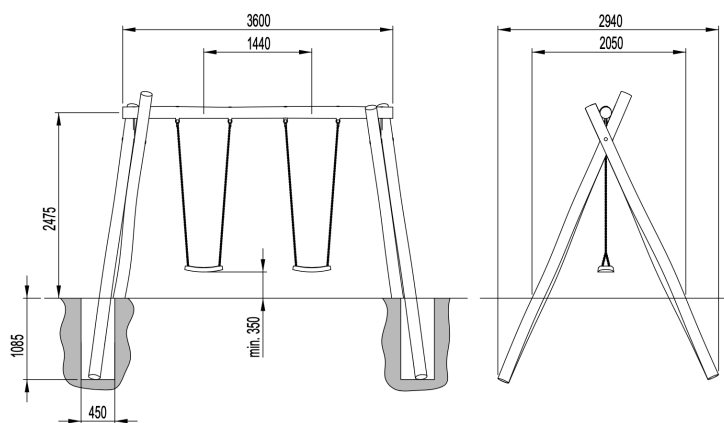
EN1176-normin mukainen turva-alue



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 Все измерения в см.
 Kaikki ohjeessa mainitut mitat ovat senttimetrejä.



* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



B2 - DVĚ VĚŽE S RUČKOVACÍM MODULEM

Safety zone in accordance with EN 1176

Sicherheitsabstand gemäß EN 1176

Espace d'évolution selon EN 1176

Zona de seguridad según EN 1176

Distanze di sicurezza in conformità con lo standard EN 1176

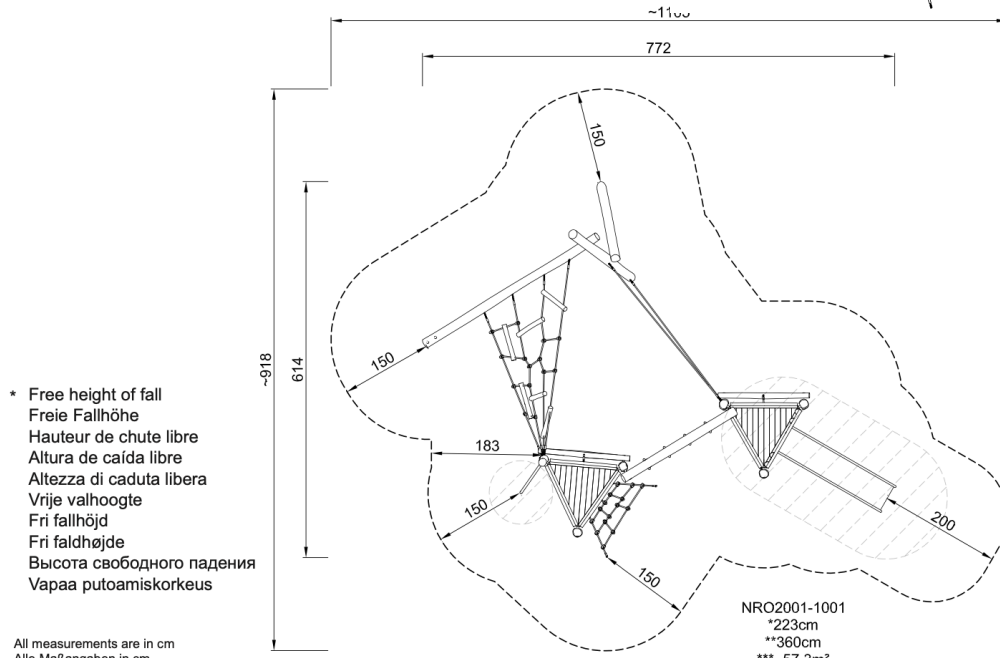
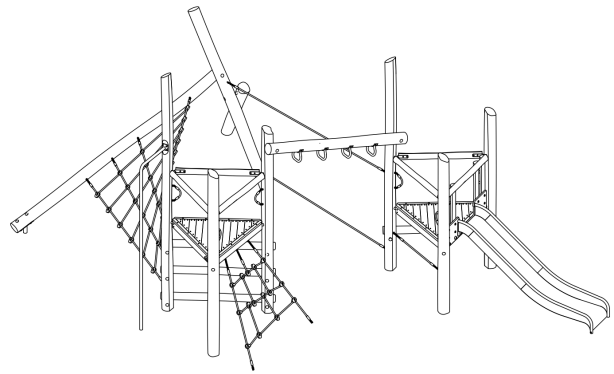
Veiligheidsgebied in overeenstemming met EN 1176

Säkerhetsområde enl EN 1176

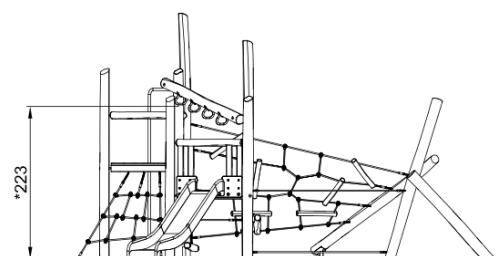
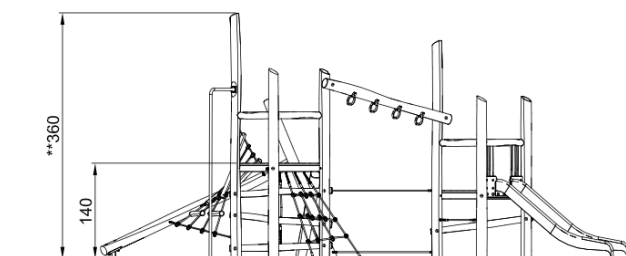
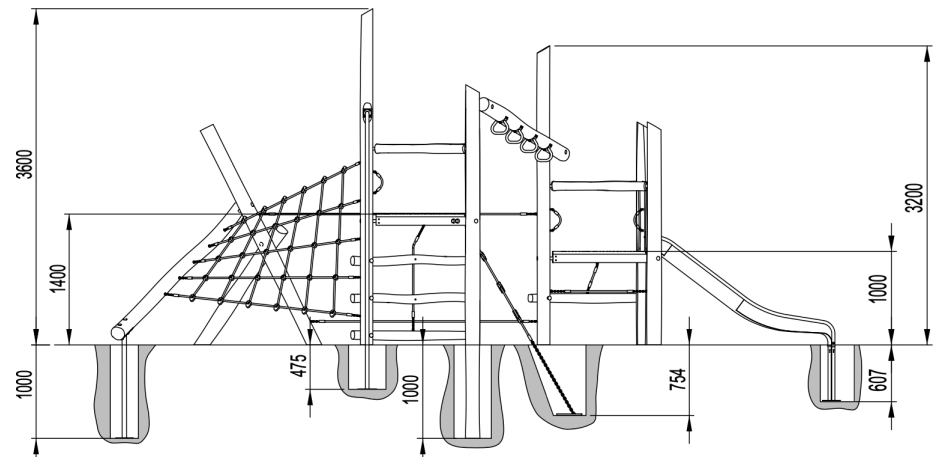
Sikkerhedsareal iht. EN 1176

Зона безопасности в соответствии с EN 1176

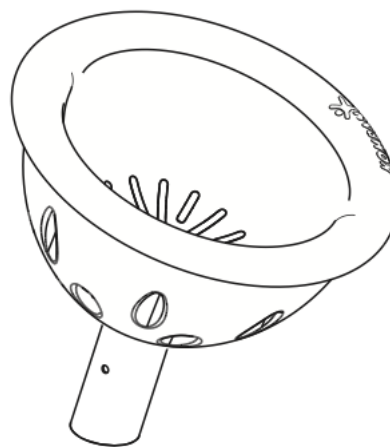
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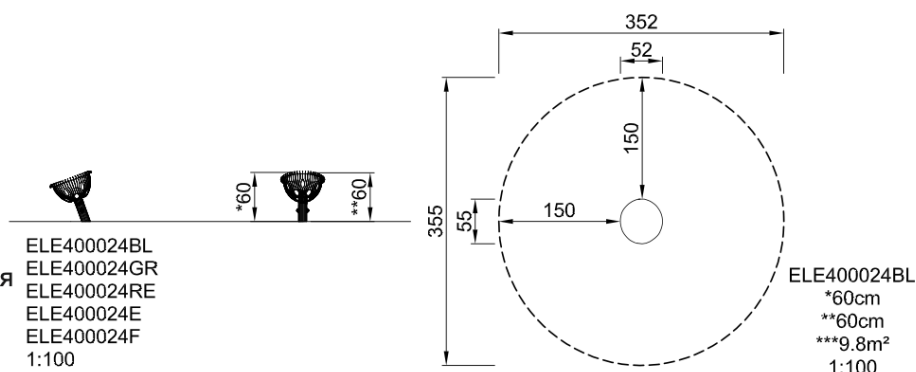
B3 - BALANČNÍ TOČIDLO



Safety zone in accordance with EN 1176
 Sicherheitsabstand gemäß EN 1176
 Espace d'évolution selon EN 1176
 Zona de seguridad según EN 1176
 Distanze di sicurezza in conformità con lo standard EN 1176
 Veiligheidsgebied in overeenstemming met EN 1176
 Säkerhetsområde enl EN 1176
 Sikkerhedsareal iht. EN 1176
 Зона безопасности в соответствии с EN 1176
 EN1176-normin mukainen turva-alue

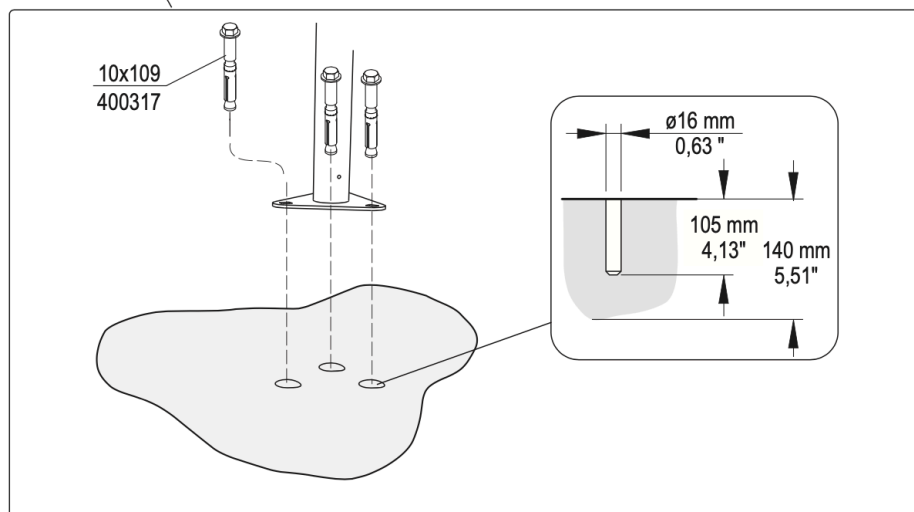
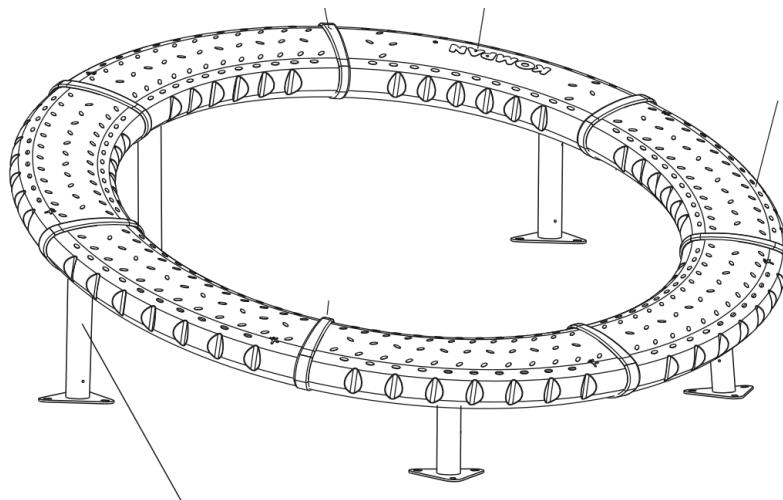
* Free height of fall

Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhøjde
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



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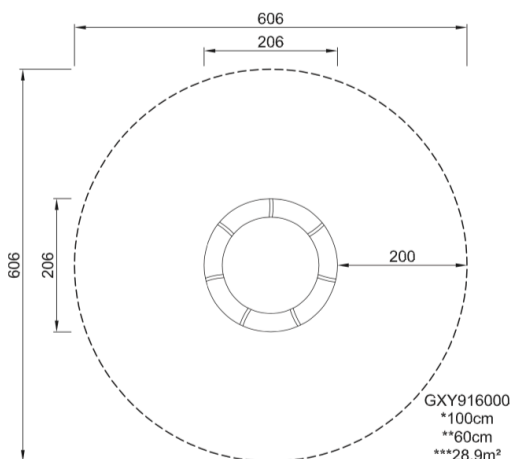
B4 - BALANČNÍ PRSTENEC / KOLOTOČ



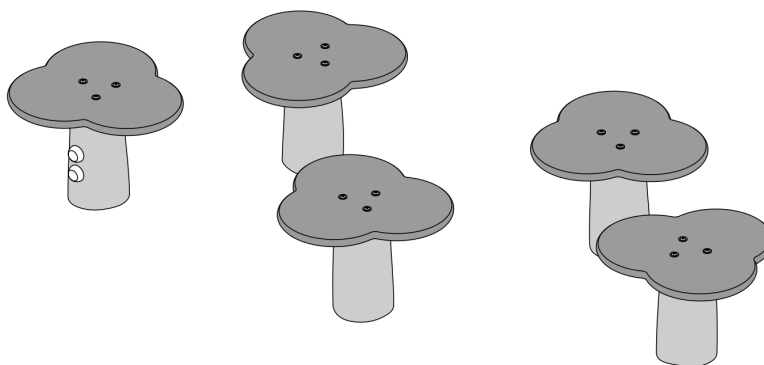
Safety zone in accordance with EN 1176
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 EN1176-normin mukainen turva-alue

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 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
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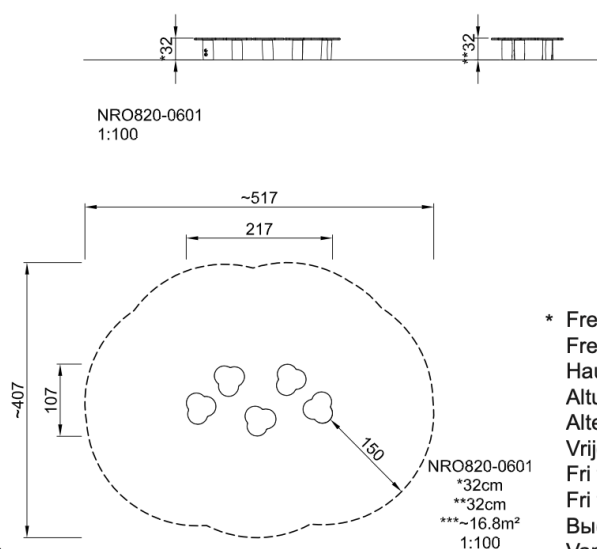


B5 - KÜLY K BALANCOVÁNÍ

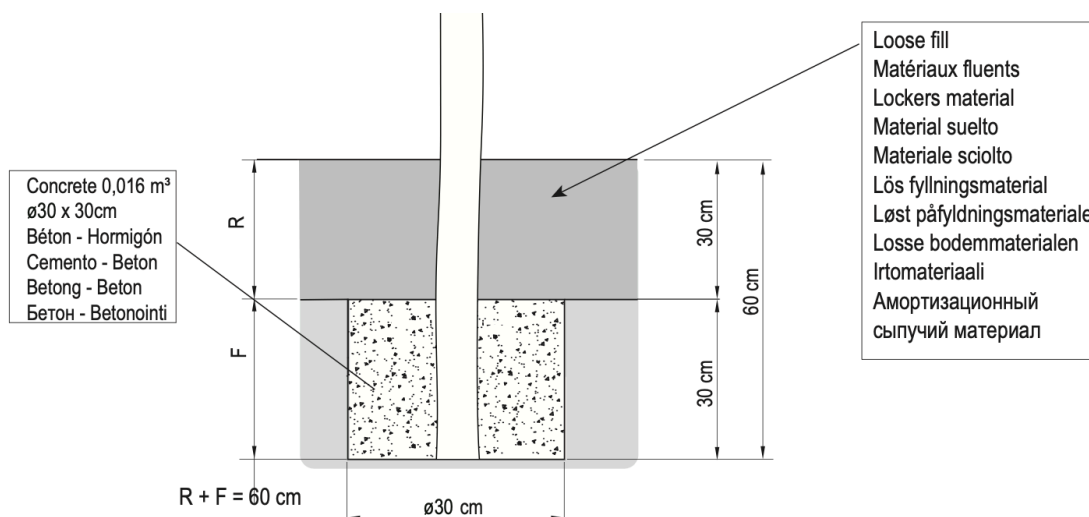


Safety zone in accordance with EN 1176
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 Distanze di sicurezza in conformità con lo standard EN 1176
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 Säkerhetsområde enl EN 1176
 Sikkerhedsareal iht. EN 1176
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All measurements are in cm
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 Kaikki ohjeissa mainitut mitat ovat senttimetrejä.



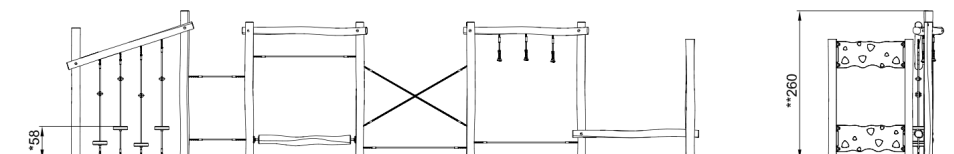
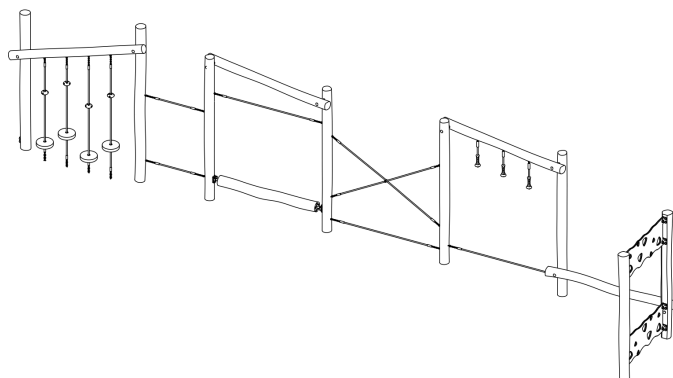
* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



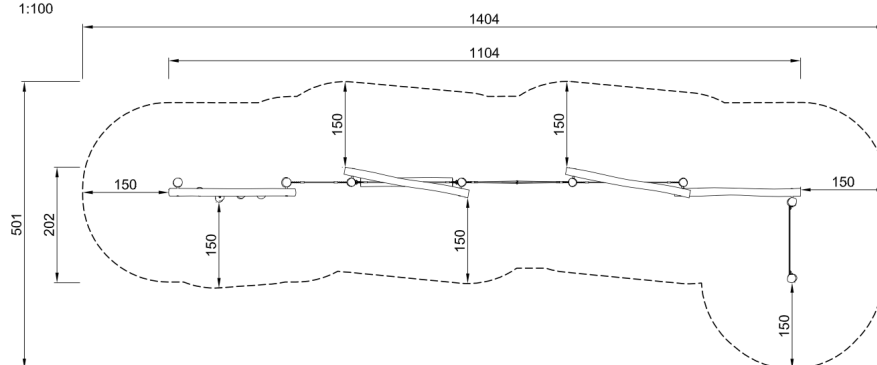
Loose fill
 Matériaux fluents
 Lockers material
 Material suelto
 Materiale sciolto
 Lös fyllningsmaterial
 Løst påfyldningsmateriale
 Losse bodemmaterialen
 Irtomateriaali
 Амортизационный сыпучий материал

B6 - HBITOSTNÍ DRÁHA

Safety zone in accordance with EN 1176
 Sicherheitsabstand gemäß EN 1176
 Espace d'évolution selon EN 1176
 Zona de seguridad según EN 1176
 Distanze di sicurezza in conformità con lo standard EN 1176
 Veiligheidsgebied in overeenstemming met EN 1176
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 Зона безопасности в соответствии с EN 1176
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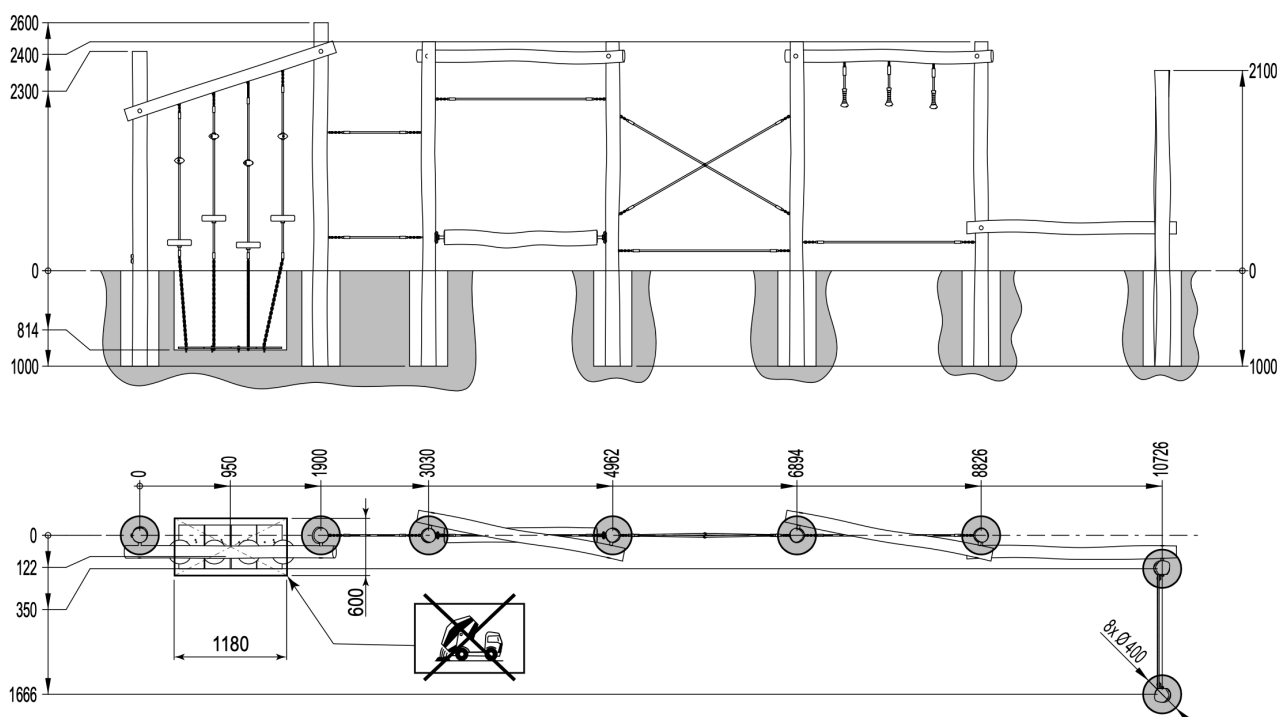
NRO863-1001
 1:100



NRO863
 *58cm
 **260cm
 ***47.5m²
 1:100

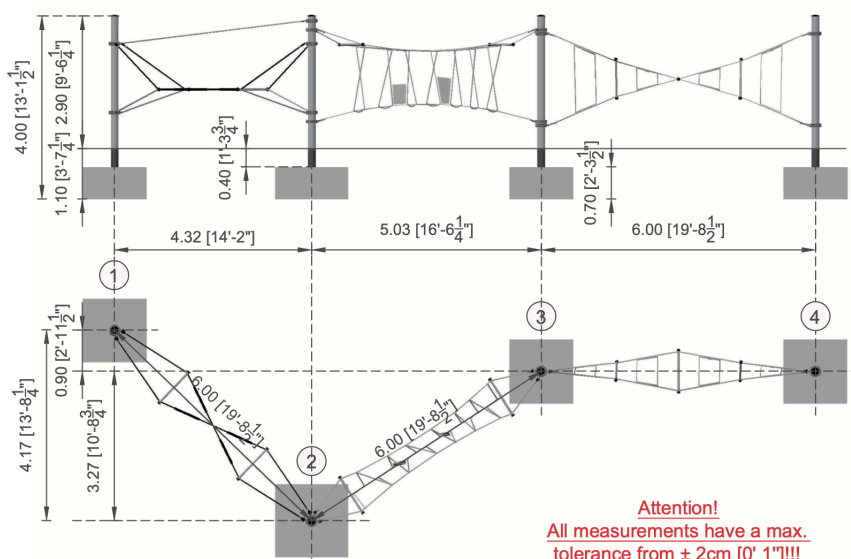
All measurements are in cm
 Alle Maßangaben in cm
 Toutes les dimensions sont indiquées en cm
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 Alle afmetingen zijn in cm
 Alla mätt är angivna i cm
 Alle mät er angivet i cm
 Все измерения в см.
 Kaikki ohjeissa mainitut mitat ovat senttimetrejä.

* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhøjde
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



C1 - HBITOSTNÍ SESTAVA

Foundation plan



Foundations:

- 2 = $1,60 \times 1,60 \times 0,70 \text{ m}$ [$5' 3'' \times 5' 3'' \times 2' 3 \frac{1}{2}''$] (1x)
 1,3,4 = $1,40 \times 1,40 \times 0,70 \text{ m}$ [$4' 7'' \times 4' 7'' \times 2' 3 \frac{1}{2}''$] (3x)

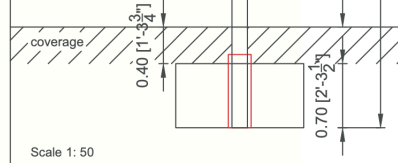
Posts:

- 1-4 = $\varnothing 168,3 \times 6,3 \times 4000 \text{ mm}$ [$\varnothing 0' 6 \frac{3}{4}'' \times 0,25'' \times 13' 1 \frac{1}{2}''$] (4x)

The surface of all foundations are 40 cm [$1' 3 \frac{3}{4}''$] below the ground level!

Post $\varnothing 168.3\text{mm}$ [0' 6 $\frac{3}{4}''$]

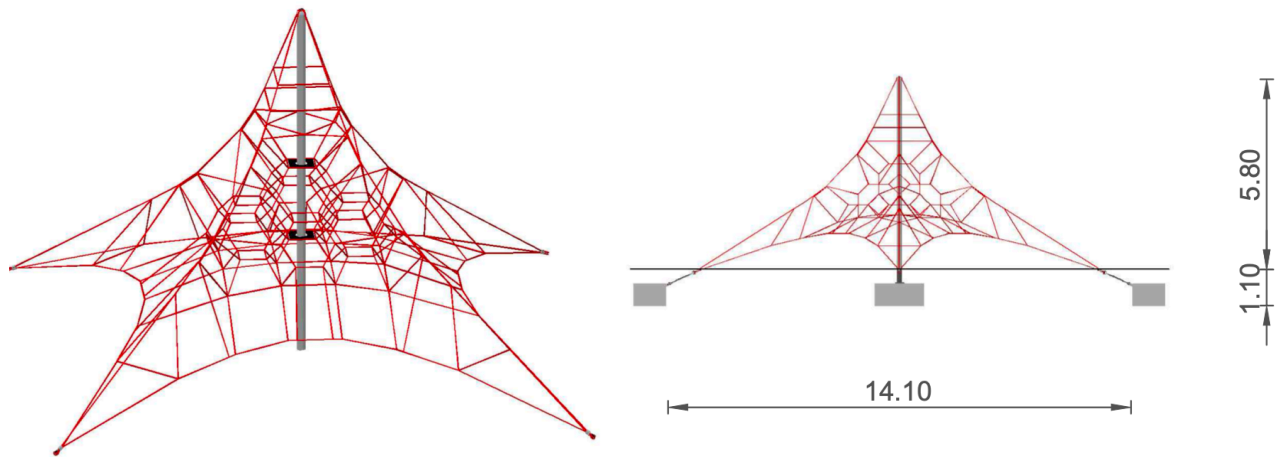
Optionally set an empty PE tube (e.g. DN250 $l=800\text{mm}$ [$2' 7 \frac{1}{2}''$]) as placeholder vertically into the center of the foundation block. Cover temporarily against dirt. Subsequently set the steel posts into the tubes and fill space up with concrete.



Quality of concrete:

C25 / 30

C2 - SÍŤ

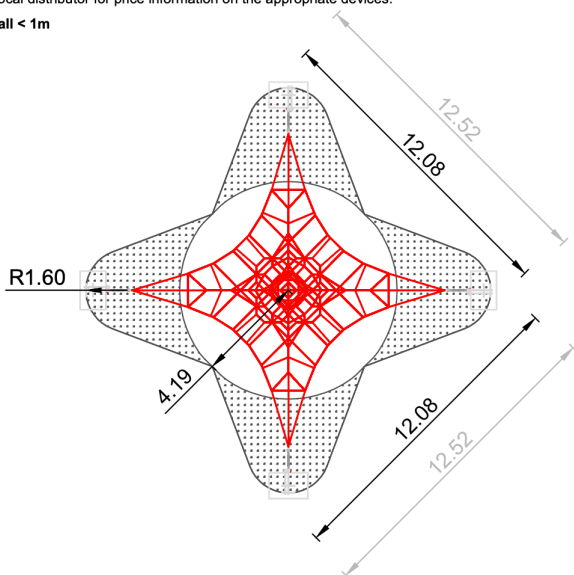


Impact Area
with Free Height of Fall

Impact Area (EN 1176-1)

Equipment with turnbuckles / installation on synthetic surfacing:
Equipment with turnbuckles, when installed on synthetic surfacing should be used with revision boxes. Technical data sheets will be provided on request or can be found on our webpage www.corocord.com. Please ask your local distributor for price information on the appropriate devices.

Free Height of Fall < 1m



max. Free Height of Fall: 1,85m
applies at a coverage of the foundations of 40 cm
Area: 56.1 m² (> 1m) / 57.2 m² (EN 1177)

Mast foundation

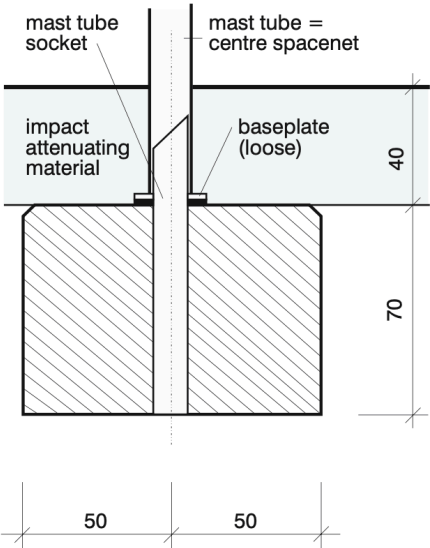
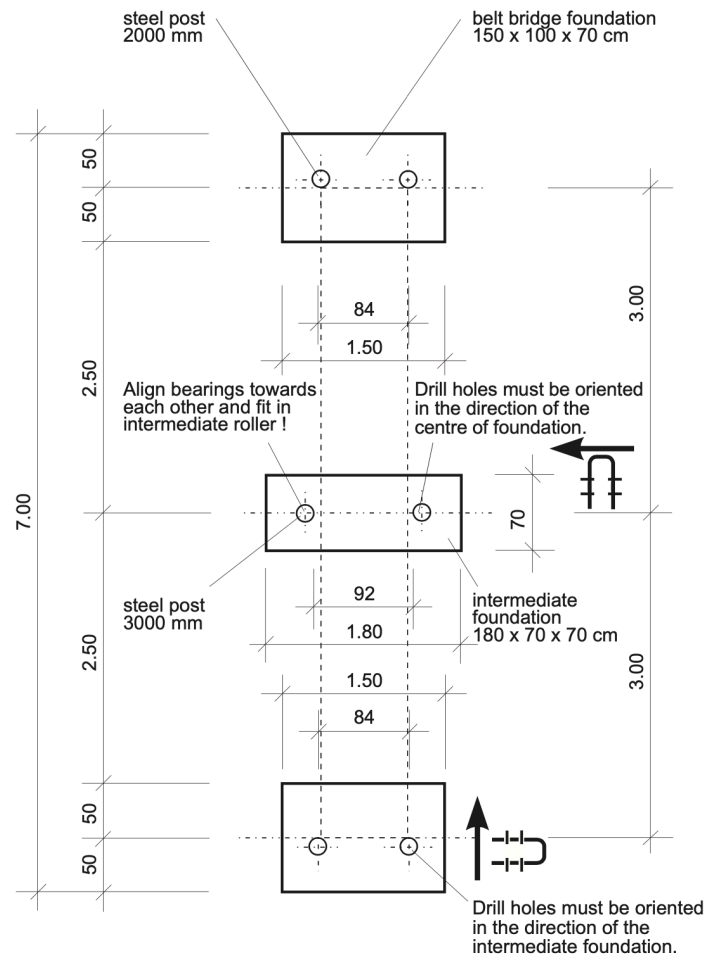
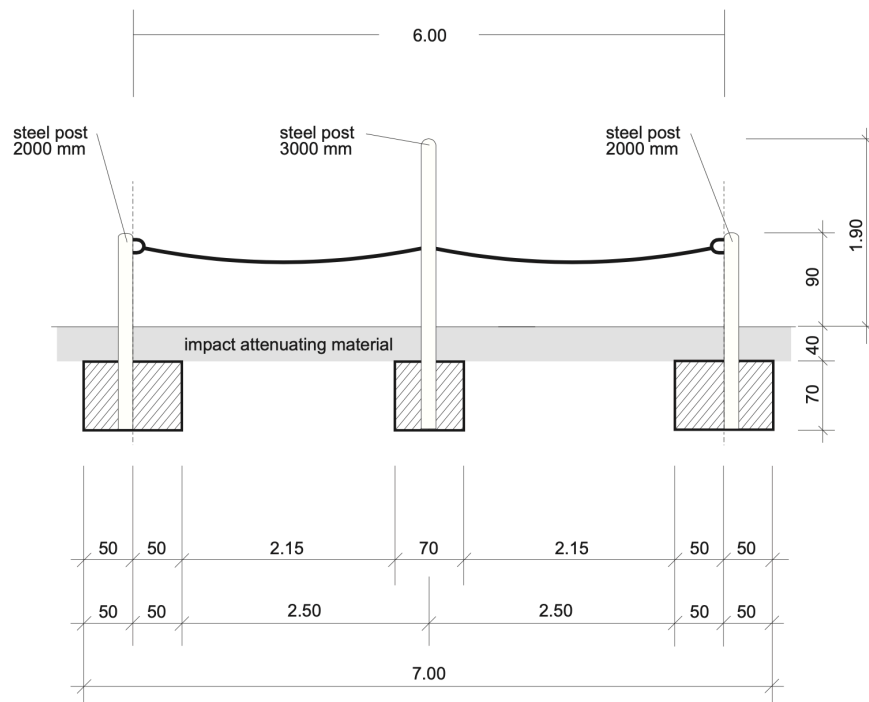


Table 4: Examples of commonly used impact attenuating materials, layer thicknesses and corresponding critical fall heights			
Material ^a	Description	Minimum layer thickness ^b [mm]	Critical fall height [mm]
Turf/topsoil			≤ 1.000 ^d
Bark	grain size 20 to 80 mm	200 300	≤ 2.000 ≤ 3.000
Woodchip	grain size 5 to 30 mm	200 300	≤ 2.000 ≤ 3.000
Sand ^c	grain size 0.2 to 2 mm	200 300	≤ 2.000 ≤ 3.000
Gravel ^c	grain size 2 to 8 mm	200 300	≤ 2.000 ≤ 3.000
Other ground materials and other layer thicknesses	checked according to HIC (see EN 1177)		critical fall height as tested

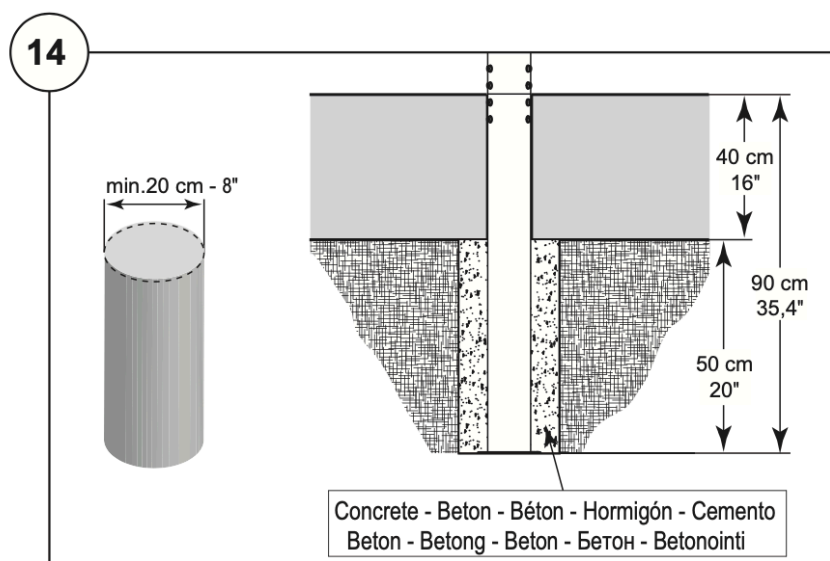
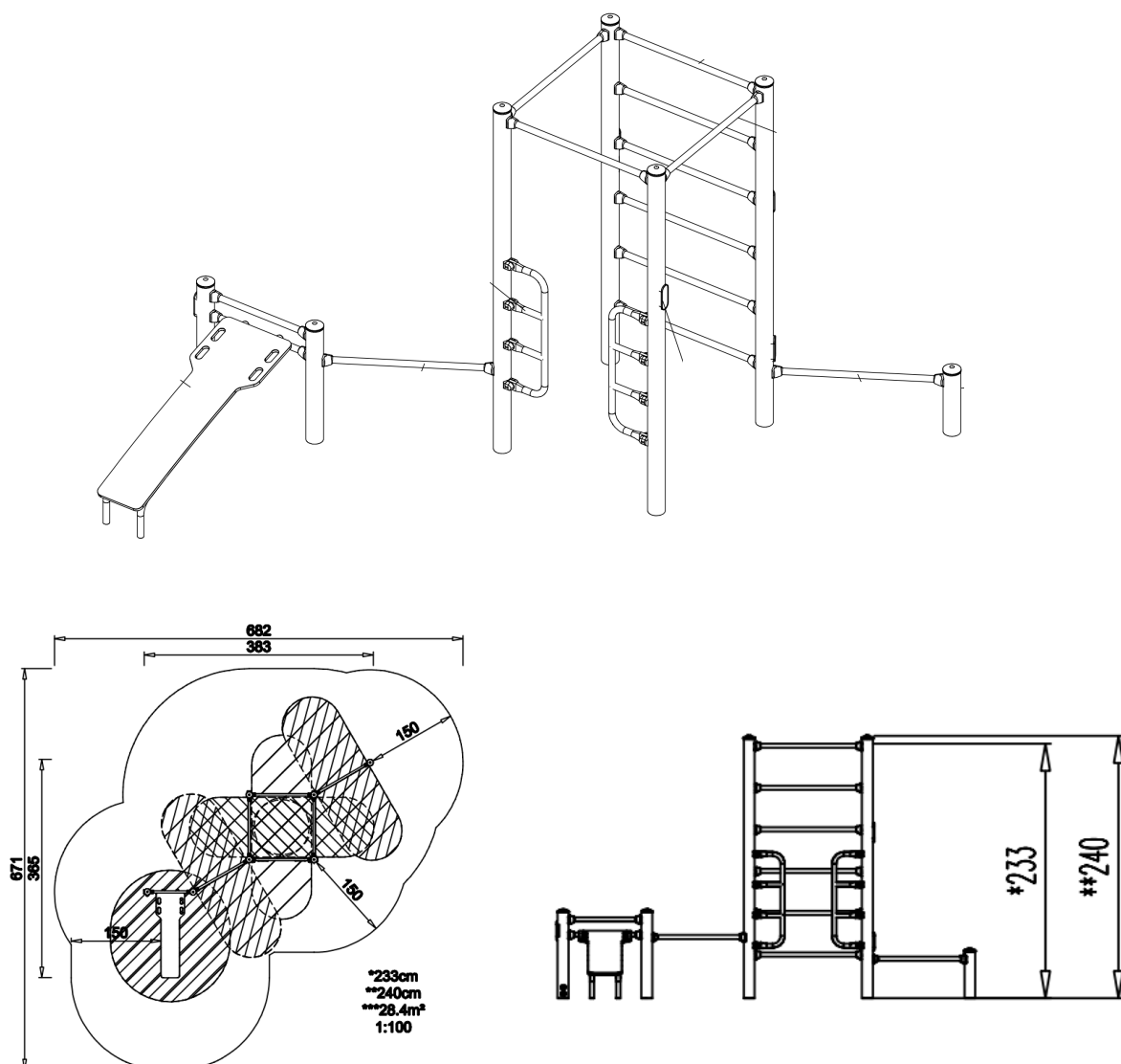
^a Ground materials prepared applicable for use in children's playgrounds
^b In the case of loose fill material, a minimum layer thickness of 100 mm must be added, in order to compensate for reduction of the surface as a result of play (see EN 1176-1:2008, clause 4.2.8.5.1)
^c Apart from silty or clay sections, grain size can be determined by a sieve test, as specified in EN 933-1
^d See EN 1176-1:2008, note 1 in clause 4.2.8.5.2

C3 - SKÁKACÍ LÁVKA

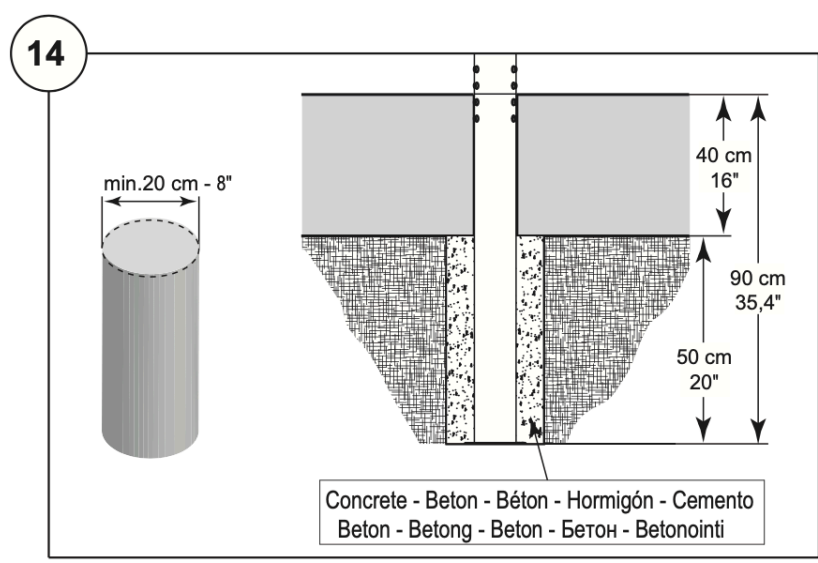
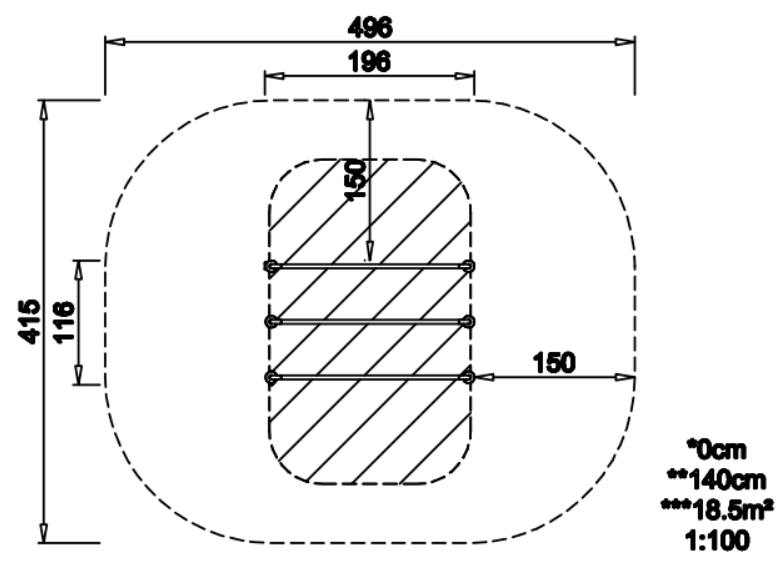
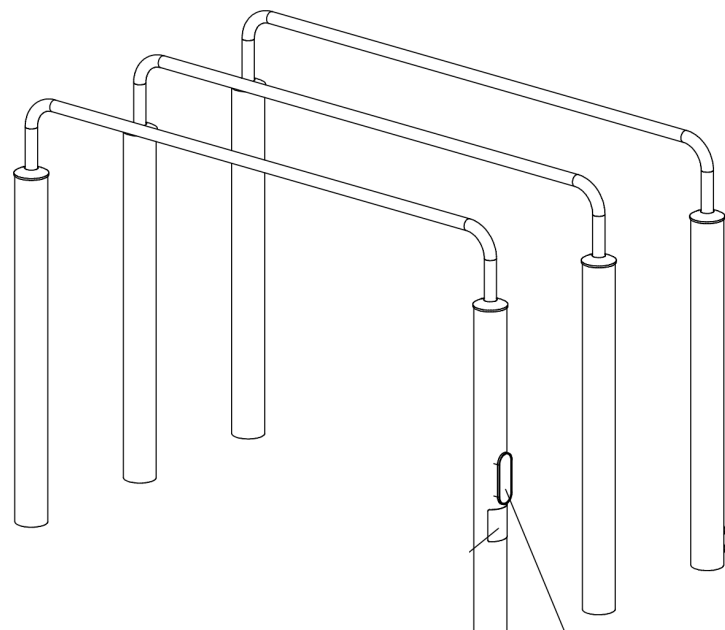
Section drawing



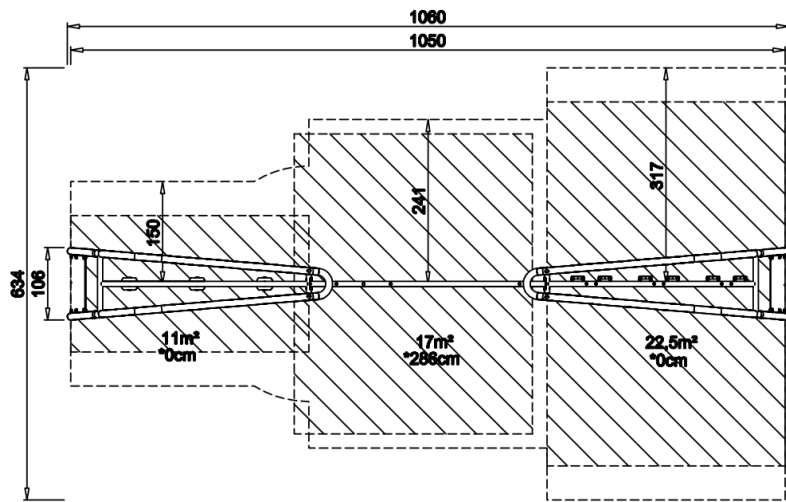
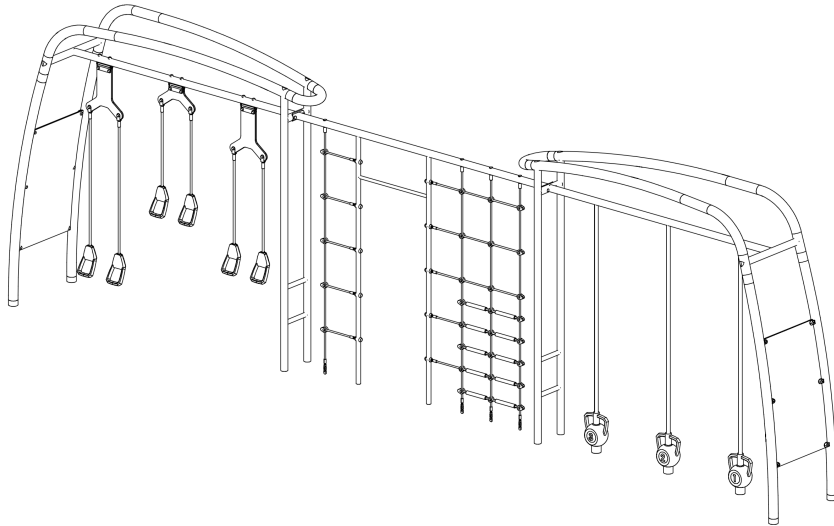
D1 - STREET WORKOUTOVÁ SESTAVA



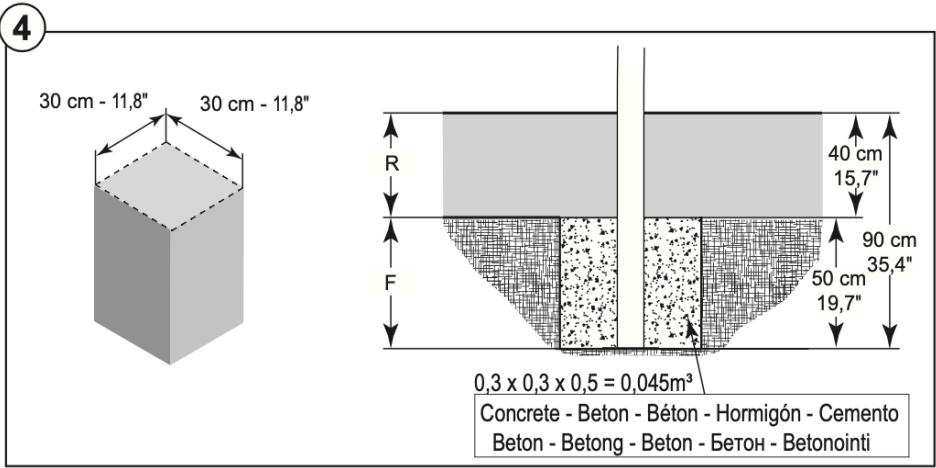
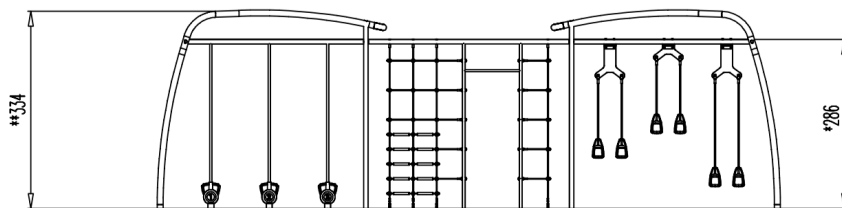
D2 -TROJBRADLA



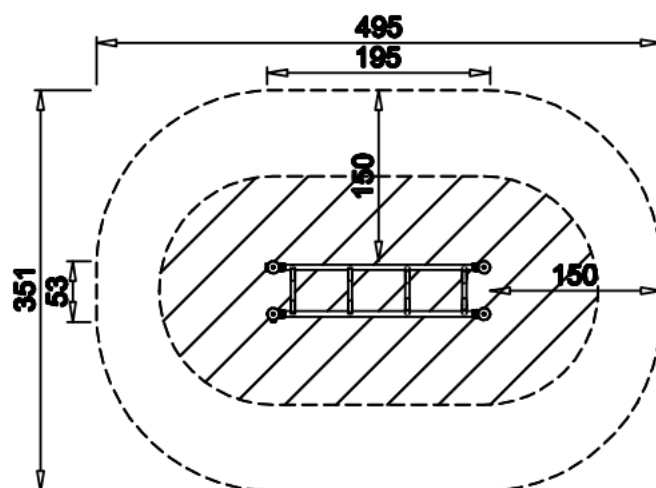
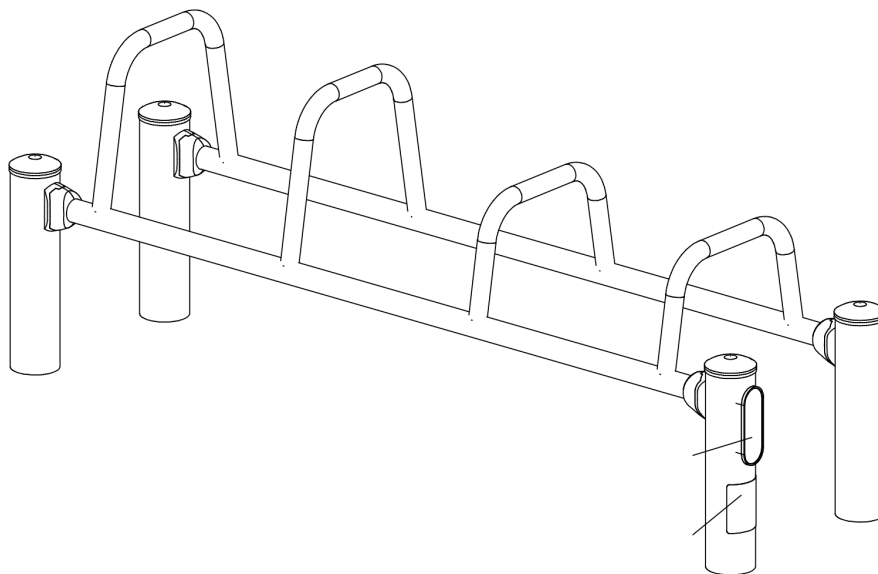
D3 - CROSSFITNESS SESTAVA



FAZ20100
*286cm
**334cm
***50m²
1:100



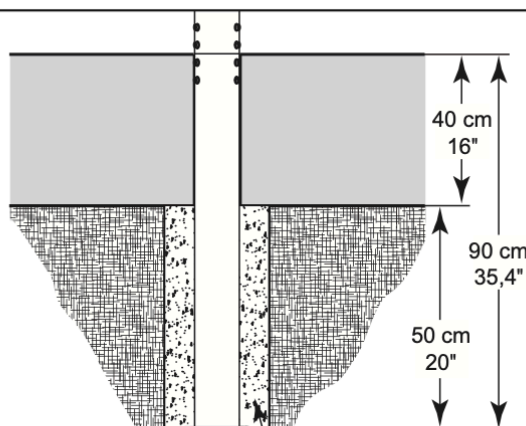
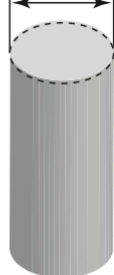
D4 - LAVIČKA NA KLIKY



*73cm
**73cm
***15.5m²
1:100

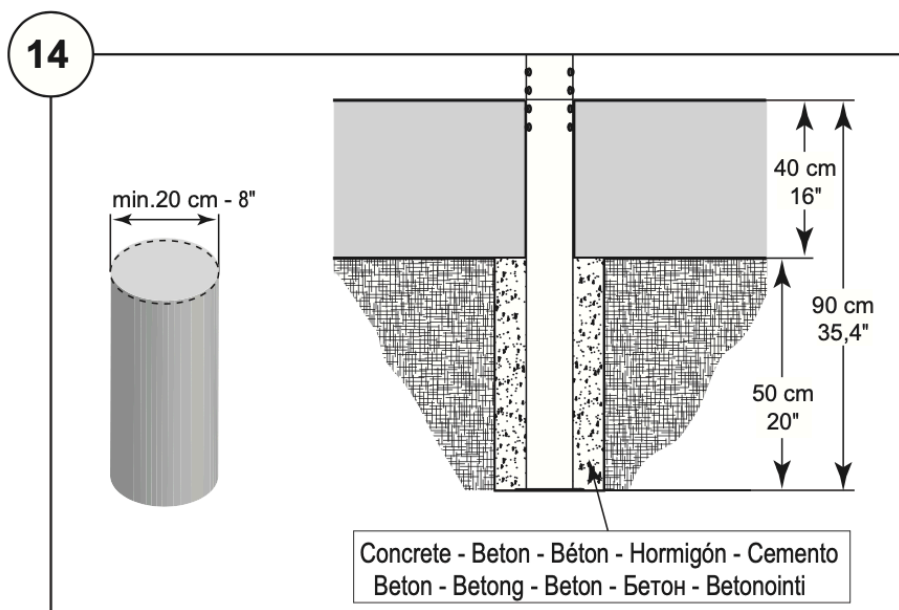
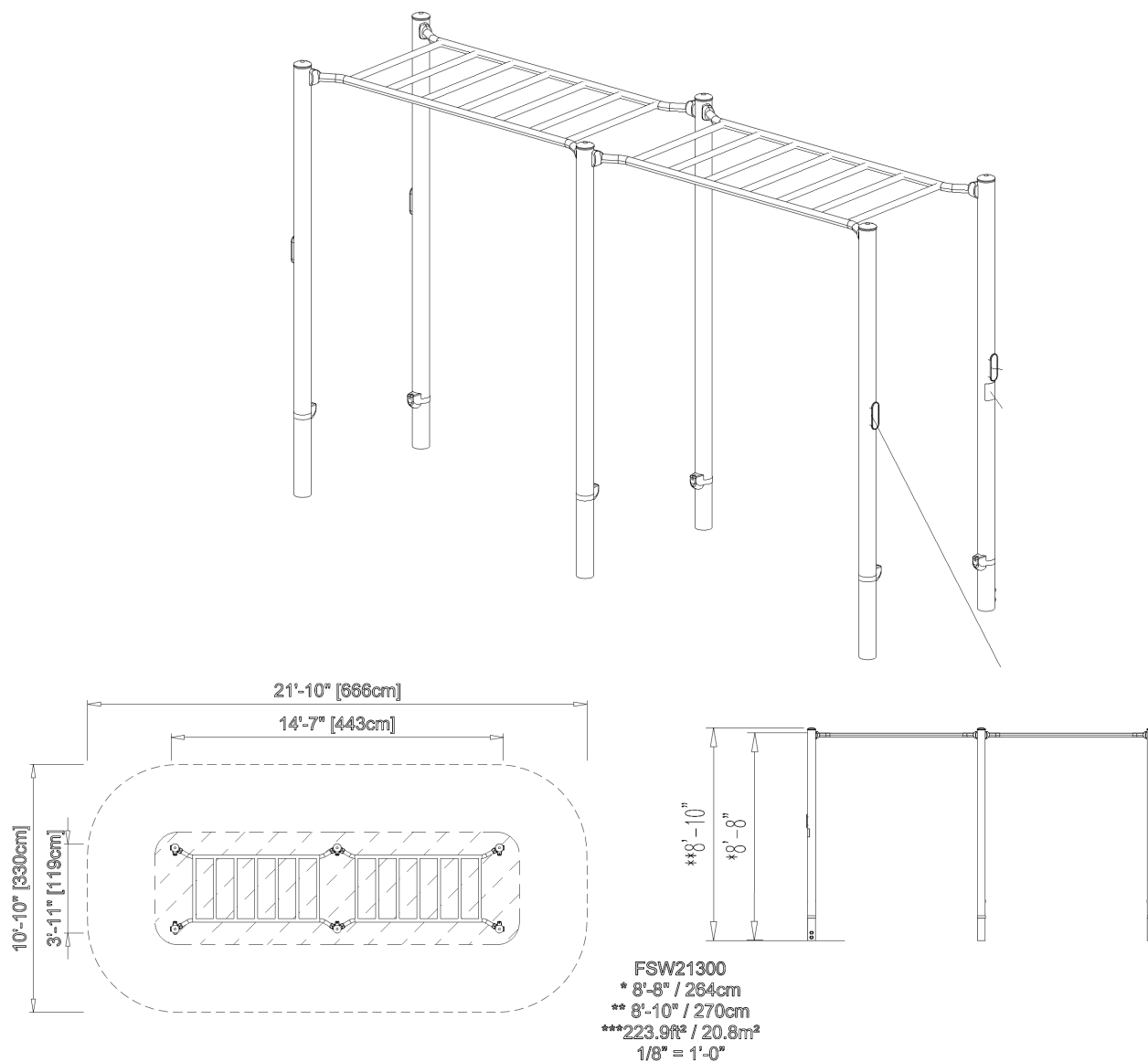
14

min.20 cm - 8"

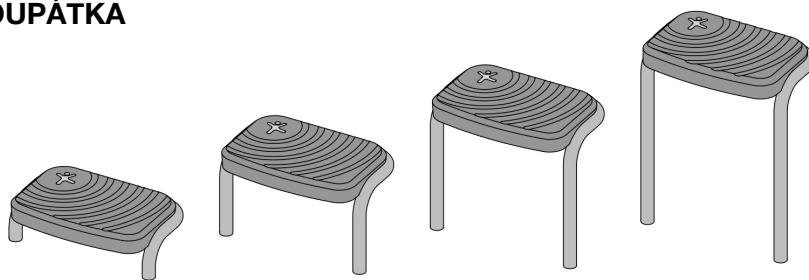


Concrete - Beton - Béton - Hormigón - Cemento
Beton - Betong - Beton - Бетон - Betonointi

D5 - DVOJITÝ RUČKOVACÍ ŽEBŘÍK



D6-D8 - STOUPÁTKA



Safety zone in accordance with EN 16630

Sicherheitsabstand gemäß EN 16630

Espace d'évolution selon EN 16630

Zona de seguridad según EN 16630

Distanze di sicurezza in conformità con lo standard EN 16630

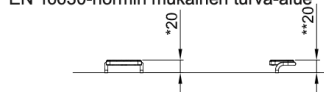
Veiligheidsgebied in overeenstemming met EN 16630

Säkerhetsområde enl EN 16630

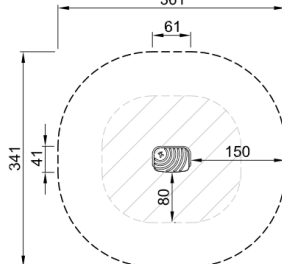
Sikkerhedsareal iht. EN 16630

Зона безопасности в соответствии с EN 16630

EN 16630-normin mukainen turva-alue



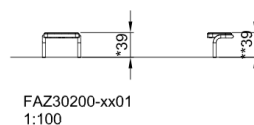
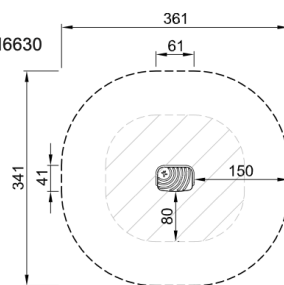
FAZ30100-xx01
1:100



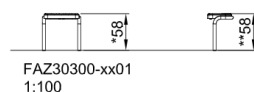
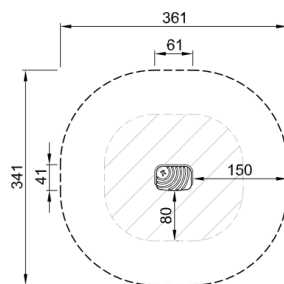
FAZ30100
*20cm
**20cm
***10.4cm
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

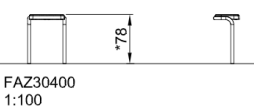
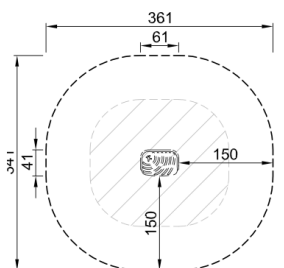
All measurements are in cm
Alle Maßangaben in cm
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Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mätt är angivna i cm
Alle mät er angivet i cm
Все измерения в см.
Kaikki ohjeissa mainitut mitat ovat senttimetrejä.



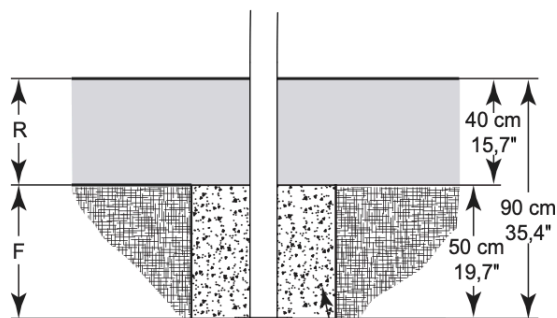
FAZ30200
*39cm
**39cm
***10.4cm
1:100



FAZ30300
*58cm
**58cm
***10.4cm
1:100



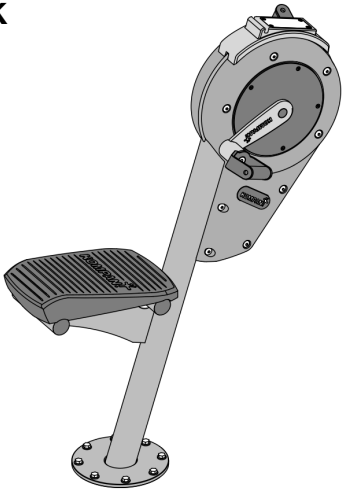
FAZ30400-xx01
*78cm
**78cm
***10.5m²
1:100



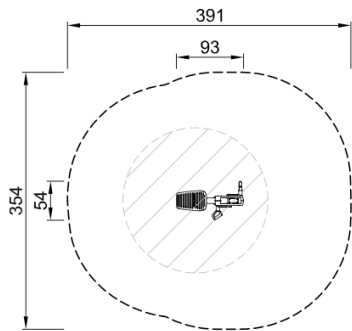
$$\emptyset 0,3 \times 0,5 = 0,034 \text{ m}^3$$

Concrete - Beton - Béton - Hormigón - Cemento
Beton - Betong - Beton - Бетон - Betonointi

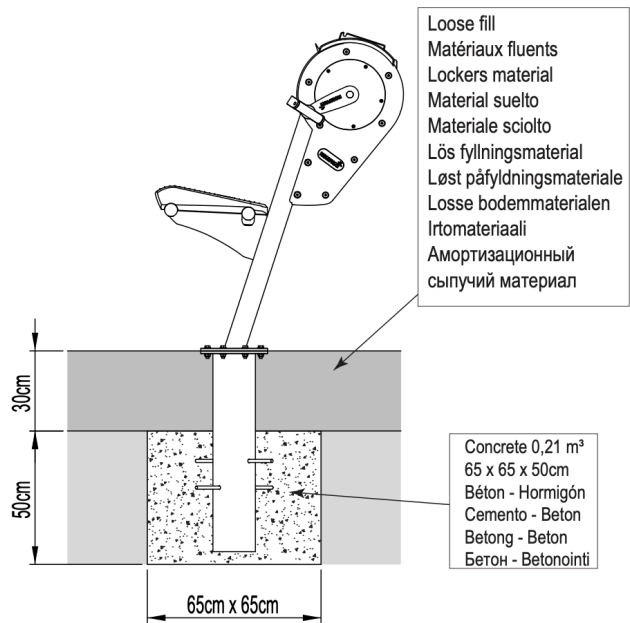
E1 - CROSSFITNESS PRVEK



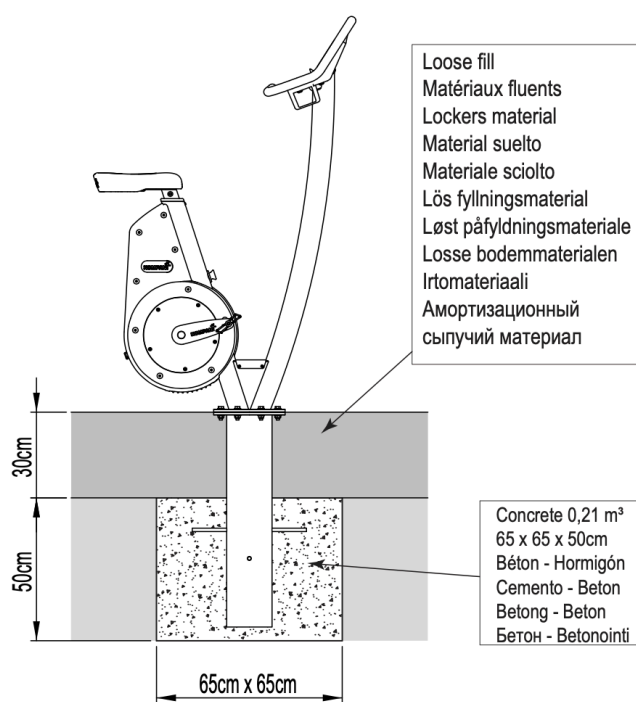
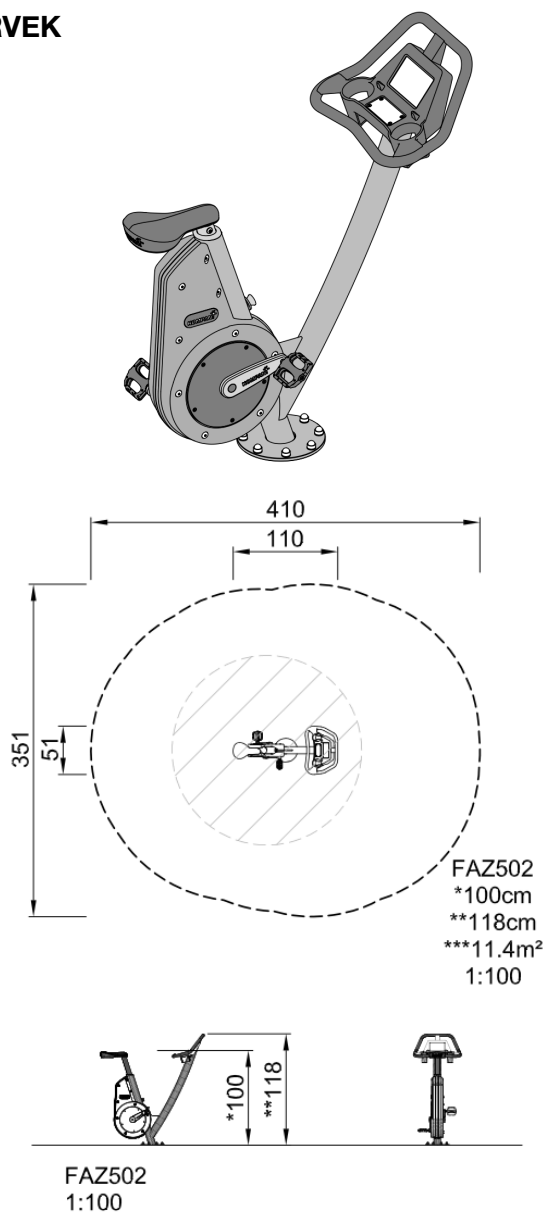
FAZ51100
1:100



FAZ51100
*62cm
**120cm
***11.3m²
1:100

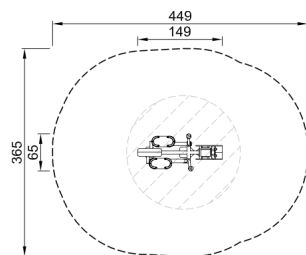
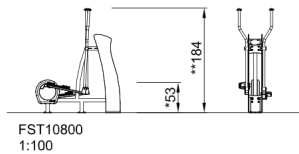


E2 - CROSSFITNESS PRVEK



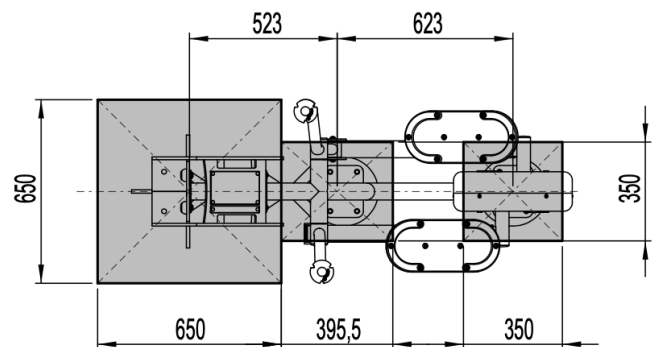
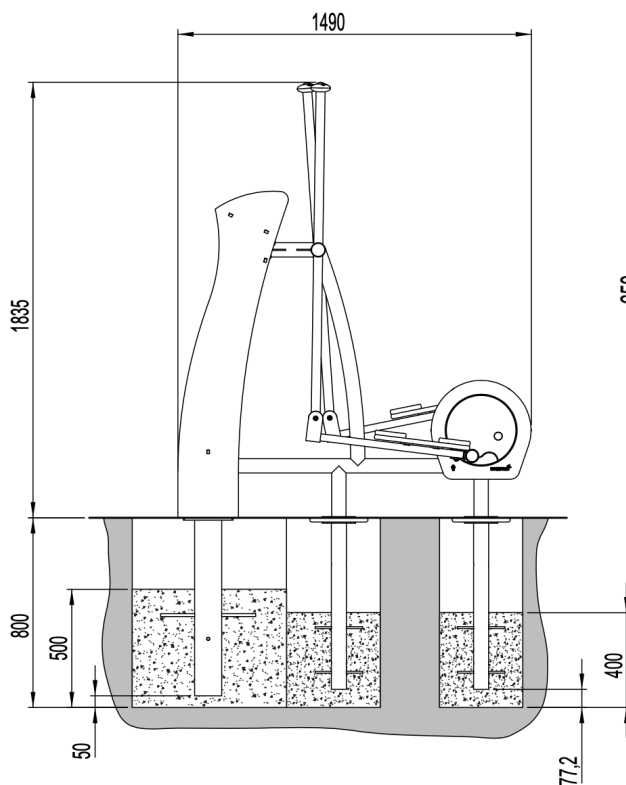
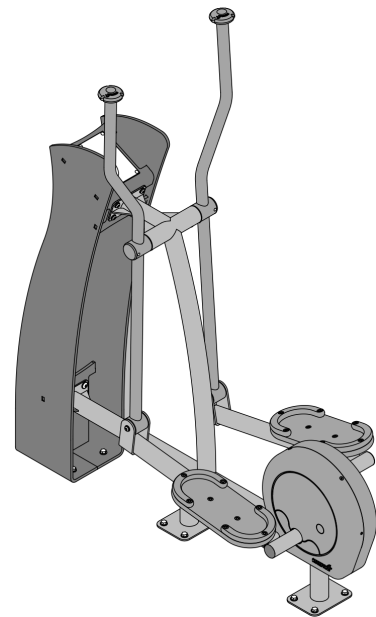
E3 - CROSSTRAINER

Safety zone in accordance with EN 16630
 Sicherheitsabstand gemäß EN 16630
 Espace d'évolution selon EN 16630
 Zona de seguridad según EN 16630
 Distanza di sicurezza in conformità con lo standard EN 16630
 Veiligheidsgebied in overeenstemming met EN 16630
 Säkerhetsområde enligt EN 16630
 Sikkerhedsareal iht. EN 16630
 Зона безопасности в соответствии с EN 16630
 EN16630-normin mukainen turva-alue



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 Alle mål er angivet i cm
 Все измерения в см.
 Kaikki ohjeissa mainitut mitat ovat senttimetrejä.

* Free height of fall
 Freie Fallhöhe
 Hauteur de chute libre
 Altura de caída libre
 Altezza di caduta libera
 Vrije valhoogte
 Fri fallhöjd
 Fri faldhøjde
 Высота свободного падения
 Vapaa putoamiskorkeus



Important! The concrete must be sufficiently hardened before the play item may be used.
 Total volume of concrete: Min 0,289 m³.