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**Amusement Devices Code Name**

游乐设施代号

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# Amusement Devices Code Name

## 1 Scope

This standard specifies the code name of amusement devices.

The code name specified in this standard is applicable to the amusement devices for adult and children amusement and sightseeing, but not the racing sports facilities and fitness facilities.

## 2 Amusement Devices Code Name

X - DY RY VY HY QY SZ

## 3 Explanation of Code Name

**3.1** X represents the digits of different movement modes of amusement devices.

Where,

01 - The amusement device with passenger cabin rotating around horizontal spindle

Example: wonder wheel, pirate ship, space ship, flying carpet, bola, etc.

02 - The amusement device with passenger cabin rotating and lifting around vertical spindle

Example: astro fighter, octopus, super swing, merry-go-round, wave rolling of pearl, etc.

03 - The amusement device with passenger cabin rotating around the spindle of variable incidence

Example: gyroscope, double flying, brave turntable, leaning on wall in flying, etc.

04 - The amusement device with the passenger cabin hanged by the flexible member and rotating and lifting around vertical spindle

Example: fly tower, rotary chair in air, tourist tower, frog jump, etc.

05 - The amusement device running along overhead track

Example: roller coaster, crazy mouse, dragon slide, monorail elevated train, overhead bicycle, etc.

06 - The amusement device running on ground

Example: bumper car, racing car, battery car, fairy train, etc.

07 - The amusement device running in specific waters

Example: water slide, canyon rafting, water bicycle, bumper boat, all kinds of amusement pools, etc.

08 - The amusement device falling (swinging) freely after catapulting or lifting

Example: sounding shuttle, flying trapeze, etc.

09 - No power type of amusement devices

Example: all kinds of swinging machines, bungee, human-powered turn plate, fun dazzle, trampoline, inflatable bounce, rock climbing, etc.

10 - Other types of amusement devices

### 3.2 Meaning of other letters are as follows:

D - The code name of maximum turning diameter of amusement device

R - The code name of maximum turning radius of amusement device

V - The code name of maximum running speed of the passenger cabin of amusement device

H - The code name of maximum height to the ground from the passenger cabin of amusement device

Q - The code name of maximum variable incidence of the passenger cabin of amusement device

S - The code name of liftable passenger cabin of amusement device

Z - The code name of auto-rotatable passenger cabin of amusement device

Y - The maximum turning diameter, maximum turning radius, maximum running speed of passenger cabin, maximum height from passenger cabin to the ground and maximum variable incidence of passenger cabin respectively.

[The unit of diameter, radius and height is m; circumference and lifting speed, m/min; running speed on track, ground and in water, km/h; and inclination, (°).]

## 4 Code Example

### 4.1 The amusement device rotating around horizontal spindle

Code name: 04-D10V50H60S

- Fly tower: the maximum turning diameter is 10m; the maximum running speed is 300m/min; the maximum height from passenger cabin to the ground is 8m and the passenger cabin is liftable.

Code name: 04-D10V300H8S

#### 4.5 The amusement device running along the track

- Roller coaster: the maximum running speed is 75km/h and the maximum height from passenger cabin to the ground is 30m.

Code name: 05-V75H30

- Dragon slide: the running speed is 20km/h and the maximum height from passenger cabin to the ground is 5m.

Code name: 05-V20H5

#### 4.6 The amusement device running on the ground

- Bumper car: the maximum running speed is 6km/h.

Code name: 06-V6

- Battery car: the maximum running speed is 4km/h.

Code name: 06-V4

#### 4.7 The amusement device running in specific waters

- Water slide: the maximum down-sliding speed is 15km/h and the maximum height is 10m.

Code name: 07-V15H10

- Canyon rafting: the maximum drift velocity is 6km/h and the maximum height is 4m.

Code name: 07-V6H4

#### 4.8 The amusement device with the passenger cabin falling (swinging) freely after catapulting or lifting

- Sounding shuttle: the maximum catapulting speed is 1,800 m/min and the maximum height from passenger cabin to the ground is 50m.

Code name: 08-V1800H50

- Flying trapeze: The maximum flying speed is 300m/min and the maximum flying height

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