



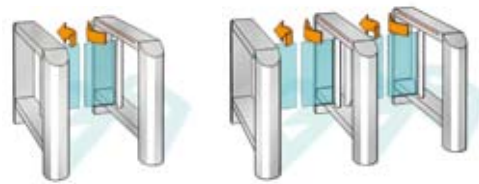
**KABA®**

Product Facts Argus  
HSB Half-Height Sensor Barriers  
HSG Half-Height Sensor Gates

## Half-height Sensor Barriers HSB

### Basic equipment

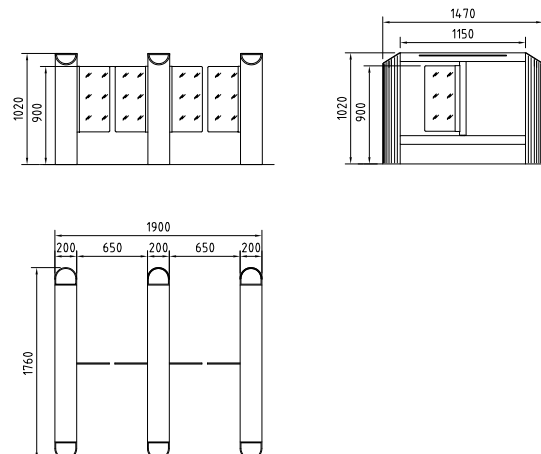
#### HSB-E10



<b>Note</b>		description of single unit
<b>Construction</b>	interlock height	1020
	interlock length	1470
	passage width	650
	total width	1050
	housing, base columns, guiding elements	stainless steel AISI 304
	barrier elements	door wings made of transparent polycarbonate rotation angle monitored by singeling out sensors
<b>Finish</b>		stainless steel satin finish
<b>Function</b>		type 2*
	drives	integrated in the rotating tube
		security level 0 entrance sector monitored by simple sensor system in short overall length (simple level of single passage regulation in both directions)
	operation modes	open or closed **
<b>Electrical components</b>		ETS 21, control system and power supply integrated in the unit
		power supply 110 - 230 VAC, 50/60 Hz
		standby power consumption 17 VA
	standard adjustment in case of power failure	barrier elements can be moved freely
<b>Installation</b>		dowelled on finished floor level FFL
		not suitable for outdoor installation!

\* type 2: power assisted motion; two servo-positioning drives/ electrically controlled in both directions

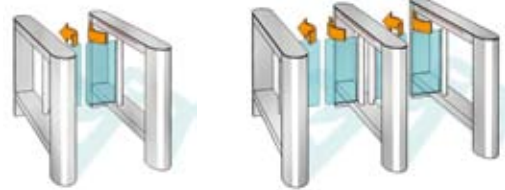
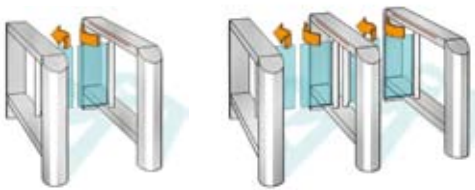
\*\* Basic position open „day-operation“: the barrier elements close automatically, if somebody tries to pass without authorisation. Basic position closed „night-operation“: The barrier elements open automatically for authorised persons in the passage direction and then close again after passage.



All dimensions in mm

**HSB-E02**

**Option**



description of single unit

1020

1760 (with elliptic base columns 1840)

650

1050

stainless steel AISI 304

door wings made of transparent polycarbonate

rotation angle monitored by singeling out sensors

stainless steel satin finish

type 2\*

integrated in the rotating tube

security level 1

entrance sector monitored by basic sensor system in

compact overall length (ground level of

single passage regulation in both directions)

open or closed \*\*

ETS 21, control system and power supply integrated in the unit

power supply 110 - 230 VAC, 50/60 Hz

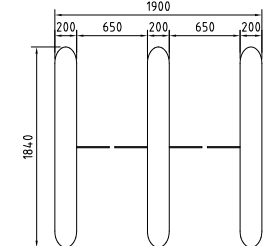
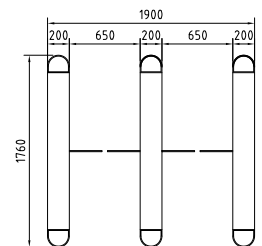
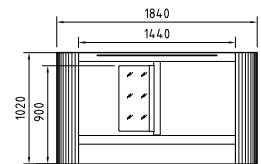
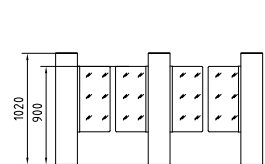
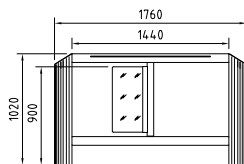
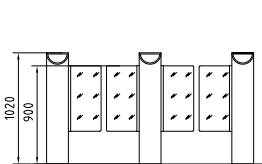
standby power consumption 17 VA

barrier elements can be moved freely

dowelled on finished floor level FFL

not suitable for outdoor installation!

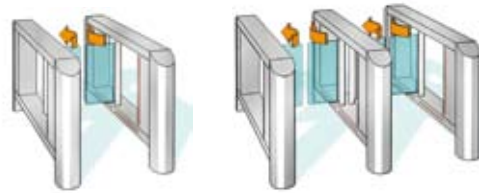
HSB-E02 with option  
"elliptic base columns"



## Half-height Sensor Barriers HSB

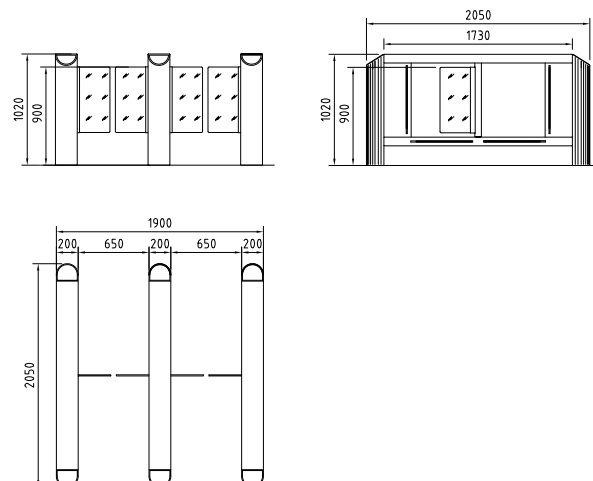
### Basic equipment

#### HSB-E04



<b>Note</b>		description of single unit
<b>Construction</b>	interlock height	1020
	interlock length	2050 (with elliptic base columns 2130)
	passage width	650
	total width	1050
	housing, base columns, guiding elements	stainless steel AISI 304
	barrier elements	door wings made of transparent polycarbonate
<b>Finish</b>		rotation angle monitored by singeling out sensors stainless steel satin finish
<b>Function</b>		type 2*
	drives	integrated in the rotating tube security level 2 entrance sector monitored by enhanced sensor system in optimised overall length and adjustment (increased level of single passage regulation in both directions). Integrated protection against entry from below, identification of trollies, detection of children
	operation modes	open or closed **
<b>Electrical components</b>		ETS 21, control system and power supply integrated in the unit power supply 110 - 230 VAC, 50/60 Hz standby power consumption 17 VA
	standard adjustment in case of power failure	barrier elements can be moved freely
<b>Installation</b>		dowelled on finished floor level FFL not suitable for outdoor installation!
<b>Protection class</b>		

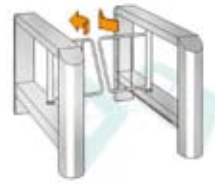
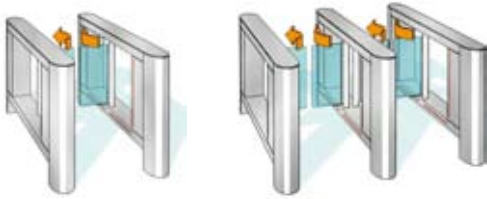
- \* type 2: power assisted motion; two servo-positioning drives/ electrically controlled in both directions
- \*\* Basic position open „day-operation“: the barrier elements close automatically, if somebody tries to pass without authorisation. Basic position closed „night-operation“: The barrier elements open automatically for authorised persons in the passage direction and then close again after passage.



All dimensions in mm

**Option**

**HSB-M01**



HSB-E04 with option  
"elliptic base columns"

description of single unit

1020

1760

900

1300

stainless steel AISI 304

curved stainless steel tubes AISI 304 Ø26,9 mm

with vertical bars 10 mm

rotation angle monitored by a light curtain

stainless steel satin finish

type 2\*

integrated in the rotating tube

security level 1

Passage area monitored by sensors beneath the barrier elements and inductions loops embedded in the floor (single passage regulation with bike in both directions)

closed \*\*

ETS 21, control system and power supply integrated in the unit

power supply 110 - 230 VAC, 50/60 Hz

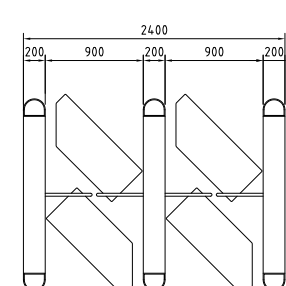
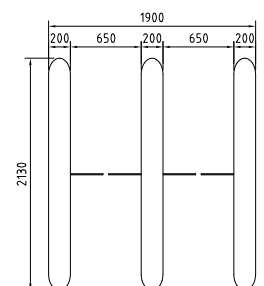
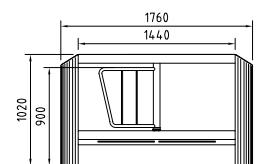
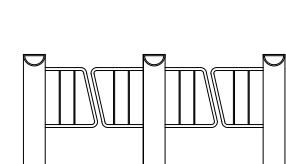
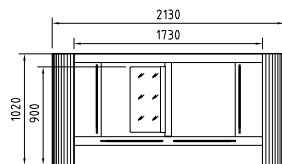
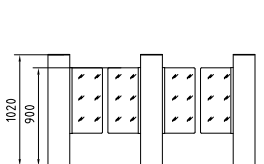
standby power consumption 17 VA

barrier elements can be moved freely

dowelled on finished floor level FFL

suitable for outdoor installation

housing IP 33, components conducting supply voltage IP 43

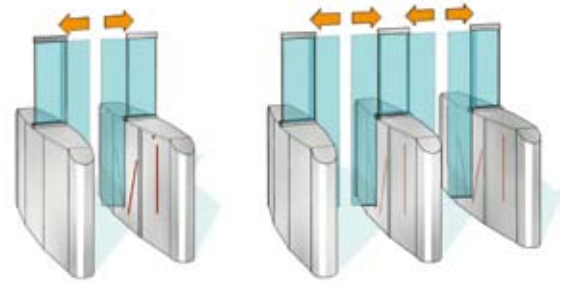


## Half-height Sensor Gates HSG and Sensor Barriers HSB

### Basic equipment

HSG-E01

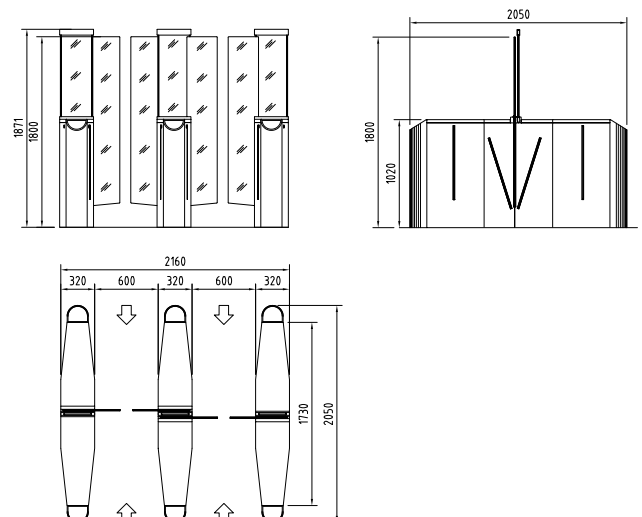
to be ordered as of  
01.01.2009



<b>Note</b>		description of single unit
<b>Construction</b>	interlock height	1020
	interlock length	2050
	passage width	600
	total width	1240
	housing, base columns, guiding elements	stainless steel AISI 304
	barrier elements	toughened glass motor-driven sliding motion of door wings into the housing range of movement is monitored by a light curtain
<b>Finish</b>		stainless steel satin finish
<b>Function</b>		type 2*
	drives	integrated in housing security level 2 entrance sector monitored by enhanced sensor system in optimised overall length and adjustment (increased level of single passage regulation in both directions). Integrated protection against entry from below, identification of trolleys, detection of children
	operation modes	open or closed **
<b>Electrical components</b>		ETS 21, control system and power supply integrated in the unit power supply 110 - 230 VAC, 50/60 Hz standby power consumption 17 VA
	standard adjustment in case of power failure	barrier elements open, powered by batteries
<b>Installation</b>		dowelled on finished floor level FFL not suitable for outdoor installation!

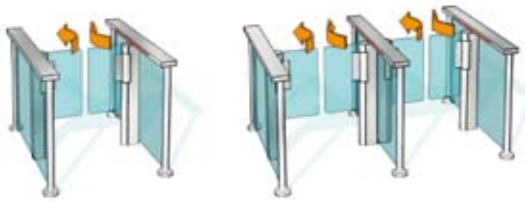
\* type 2: power assisted motion; two servo-positioning drives/ electrically controlled in both directions

\*\* Basic position open „day-operation“: the barrier elements close automatically, if somebody tries to pass without authorisation. Basic position closed „night-operation“: The barrier elements open automatically for authorised persons in the passage direction and then close again after passage.



All dimensions in mm

**HSB-E11**



description of single unit

945

1290

650

1070

stainless steel tube AISI 304 Ø 60 mm with 10 mm toughened glass panel and stainless steel bar handle AISI 304 with integrated sensor system door wings made of transparent polycarbonate

rotation angle monitored by singeling out sensors

stainless steel satin finish

type 2\*

integrated in the rotating tube

security level 0

entrance sector monitored by simple sensor system in short overall length (simple level of single passage regulation in both directions)

open or closed \*\*

ETS 21, control system and power supply integrated in the unit

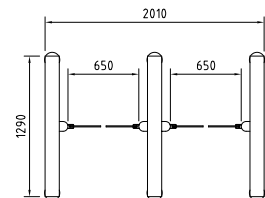
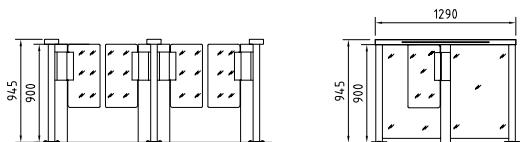
power supply 110 - 230 VAC, 50/60 Hz

standby power consumption 17 VA

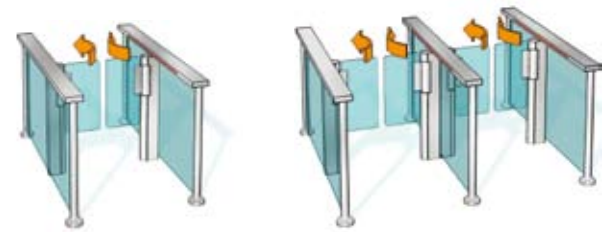
barrier elements can be moved freely

dowelled on finished floor level FFL

not suitable for outdoor installation!



**HSB-E07**



description of single unit

945

1660

650

1070

stainless steel tube AISI 304 Ø 60 mm with 10 mm toughened glass panel and stainless steel bar handle AISI 304 with integrated sensor system door wings made of transparent polycarbonate

rotation angle monitored by singeling out sensors

stainless steel satin finish

type 2\*

integrated in the rotating tube

security level 1

entrance sector monitored by basic sensor system in compact overall length (ground level of single passage regulation in both directions)

open or closed \*\*

ETS 21, control system and power supply integrated in the unit

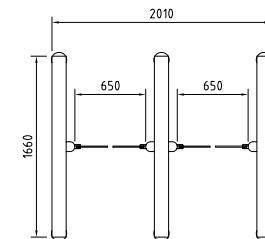
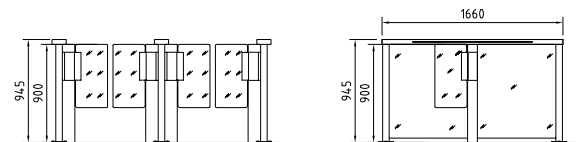
power supply 110 - 230 VAC, 50/60 Hz

standby power consumption 17 VA

barrier elements can be moved freely

dowelled on finished floor level FFL

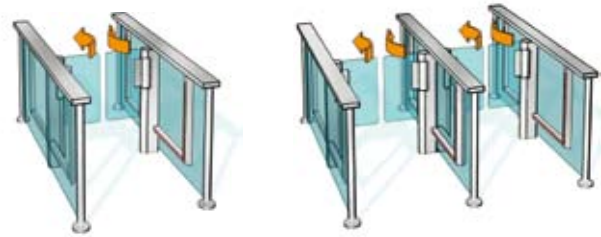
not suitable for outdoor installation!



## Half-height Sensor Barriers HSB

### Basic equipment

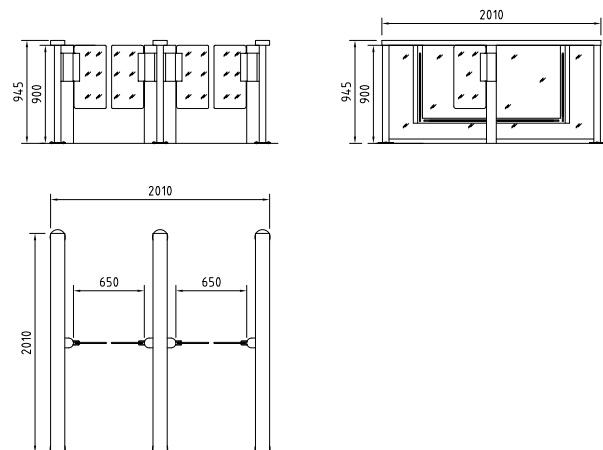
#### HSB-E08



<b>Note</b>		description of single unit
<b>Construction</b>	interlock height	945
	interlock length	2010
	passage width	650
	total width	1070
	housing, base columns, guiding elements	stainless steel tube AISI 304 Ø 60 mm with 10 mm toughened glass panel and stainless steel bar handle AISI 304 as well as vertical and horizontal sensors mounted on the guiding elements
	barrier elements	door wings made of transparent polycarbonate rotation angle monitored by singeling out sensors
<b>Finish</b>		stainless steel satin finish
<b>Function</b>		type 2*
	drives	integrated in the rotating tube security level 2 entrance sector monitored by enhanced sensor system in optimised overall length and adjustment (increased level of single passage regulation in both directions). Integrated protection against entry from below, identification of trollies, detection of children
	operation modes	open or closed **
<b>Electrical components</b>		ETS 21, control system and power supply integrated in the unit power supply 110 - 230 VAC, 50/60 Hz standby power consumption 17 VA
	standard adjustment in case of power failure	barrier elements can be moved freely
<b>Installation</b>		dowelled on finished floor level FFL not suitable for outdoor installation!

\* type 2: power assisted motion; two servo-positioning drives/ electrically controlled in both directions

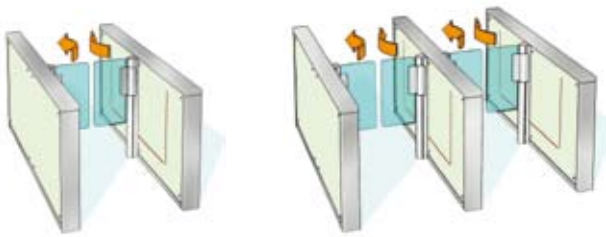
\*\* Basic position open „day-operation“: the barrier elements close automatically, if somebody tries to pass without authorisation. Basic position closed „night-operation“: The barrier elements open automatically for authorised persons in the passage direction and then close again after passage.



All dimensions in mm



## HSB-S05



description of single unit

945

2010

650

1070

rectangular stainless steel posts AISI 304 with 10 mm toughened satined glass panel and stainless steel bar handle AISI 304 as well as vertical and horizontal sensors mounted on the guiding elements

door wings made of transparent polycarbonate

rotation angle monitored by singeling out sensors

stainless steel satin finish

type 2\*

integrated in the rotating tube

security level 2

entrance sector monitored by enhanced sensor system in optimised overall length and adjustment (increased level of single passage regulation in both directions). Integrated protection against entry from below, identification of trollies, detection of children

open or closed \*\*

ETS 21, control system and power supply integrated in the unit

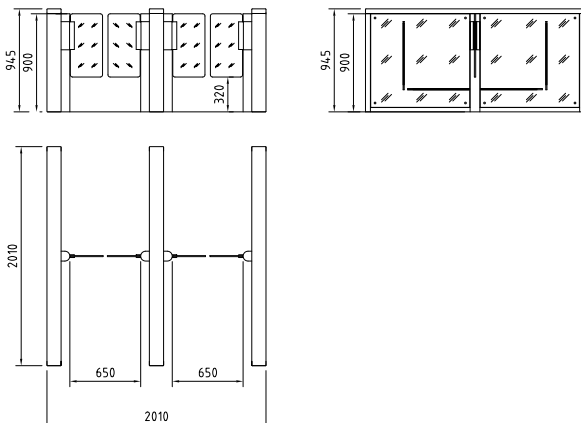
power supply 110 - 230 VAC, 50/60 Hz

standby power consumption 17 VA

barrier elements can be moved freely

dowelled on finished floor level FFL

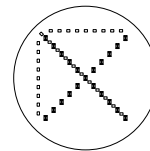
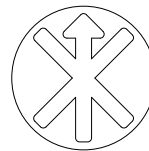
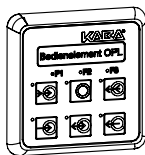
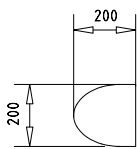
not suitable for outdoor installation!



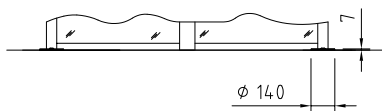
## Options for all HSB and HSG types

	HSB-E02	HSB-E04	HSB-M01	HSG-E01	HSB-E07	HSB-E08
<b>Construction</b>						
• cover plate in wood	•	•		•	•	•
• extended swing door (entrance width 900 mm) for persons with reduced mobility and for transit of goods	•	•			•	•
• elliptic base columns	•	•				
• angular base columns				•		
• back wall made of AISI 304	•	•	•			
• closed base (AISI 304)	•	•				
• barrier elements coloured, not transparent	•	•			•	•
• stainless steel bows $\varnothing$ 26,9 mm as barrier elements	•	•				
• extended barrier elements to a height of 1200 mm instead of 900 mm						•
<b>Function</b>						
• induction loops embedded in concrete stones			•			
• emergency module with emergency push-button, additional emergency push-button available	•	•	•		•	•
<b>Electrical components</b>						
• installation preparation on flat surface or on mounting plate (surface installation) for on-site components	•	•	•	•	•	•
• Installation preparation for LEGIC-antennas (plastic cover plate instead of stainless steel plate for installation of antennas available)					•	•
• push-button for manual single release	•	•	•	•		
• protection against creeping underneath or surpassing	•	•	•	•	•	•
• operating panels and frames or housings for surface installation	•	•	•	•	•	•
• additional I/O boards to expand existing inputs and outputs	•	•	•	•	•	•
• miscellaneous signal devices	•	•	•	•	•	•
<b>Installation</b>						
• palette with stainless steel ramp with norament rubber covering, palette height 32 mm	•	•		•	•	•
• on adjustable mounting plate X = 80 - 180 mm for structural floor level	•	•	•	•	•	•
• with cast in clamping sleeves and rosettes for structural floor level					•	•

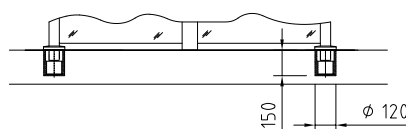
elliptic base columns      operating panel OPL 05      signal device LED arrow-cross (installed in the housing or in the cover plate of both sides)



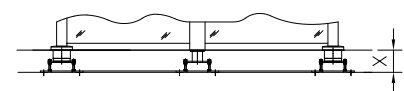
installation HSB-E07, -E08, -E11  
dowelled on finished floor level FFL



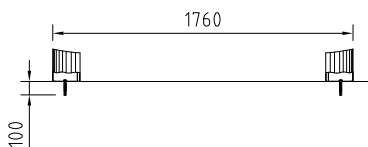
cast in with clamping sleeves



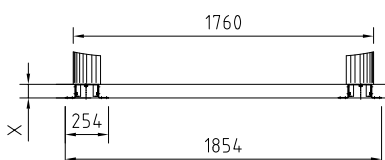
on structural floor level SFL with mounting plate



installation HSB-E02, -E04, -E10, -M01  
dowelled on finished floor level FFL

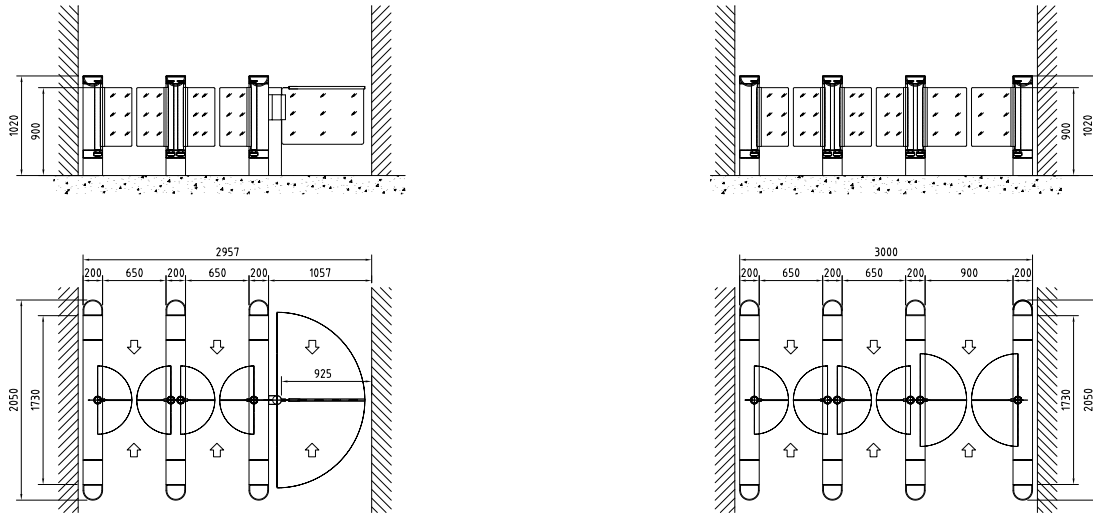


on structural floor level SFL with mounting plate

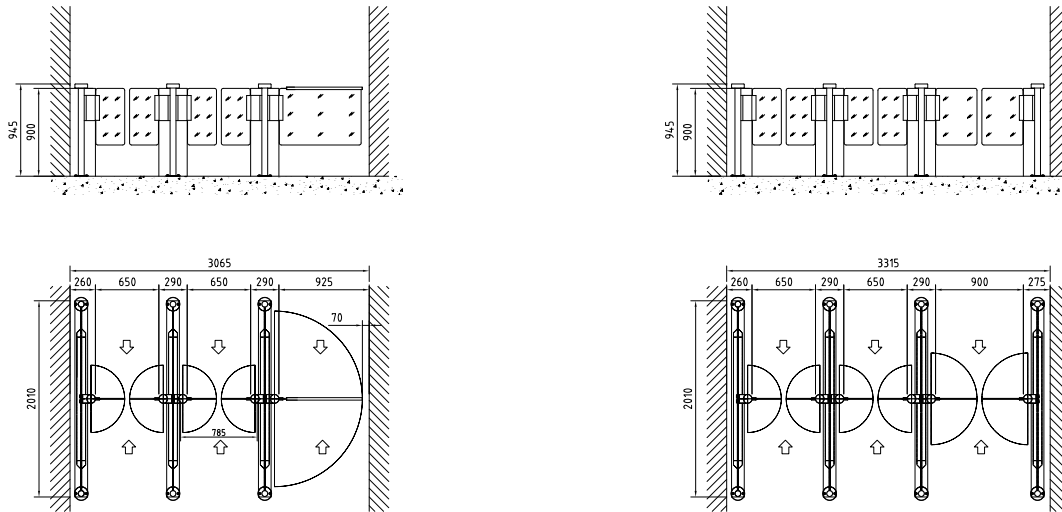


**Assembly diagram**

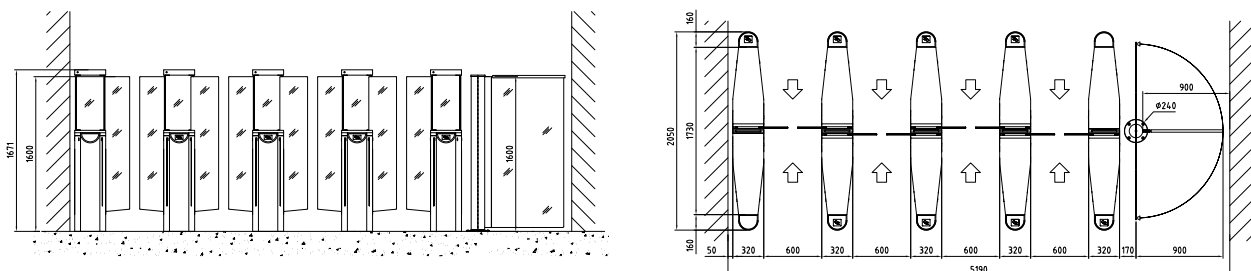
for instance HSB-E04



for instance HSB-E08



for instance HSG-E01



The logo for KABA, featuring the word "KABA" in a bold, stylized, sans-serif font. The letters are white with a dark outline, and a registered trademark symbol (®) is positioned to the upper right of the letter "A".

**KABA®**

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