



RISE ESCALATOR

**ELEVATING
THE FUTURE**

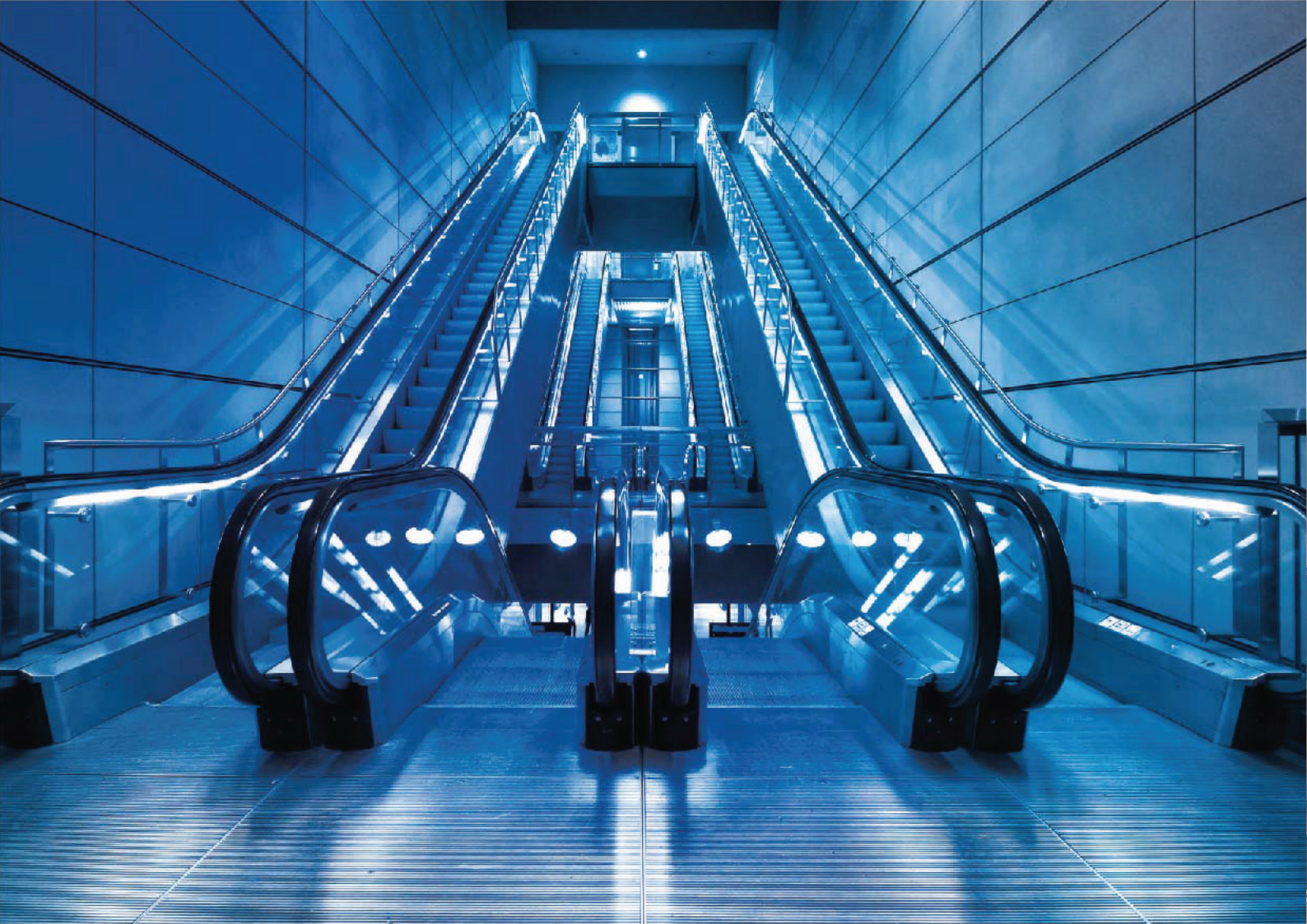
Your Safety Demand
Our Quality



Regd. Office: 239, Dheeraj Heritage, S.V Road, Santacruz (West), Mumbai - 400 054

Call : +91 9987029222 / +91-22-65757114

Email : escalator@riseindustries.in | www.riseindustries.in





RISE ESCALATOR

WELCOME

RISE Escalator was incorporated in 2013 and is a registered licensed elevator company.

RISE Escalator is engaged in trade, installation, maintenance, repair & modernisation of elevators, escalators and car parking systems.

RISE Escalator is associated with various well-known brands such as Asia Fuji, Köhler, Biofial, Aybey Elektronik and uses quality components like Montanari, Usha Martin, GMV and others.

GOAL

To be the pre-eminent brand of elevator presented in India by constant improvement and customer satisfaction.

POLICY

To offer not only the best products but also before & after sale service at very affordable price. To provide personal, reliable and honest service WITHOUT COMPROMISING ON QUALITY AND SAFETY.

SAFETY

We believe that safety and reliability are core factors of vertical transportation. All the Elevators, Escalators and Moving Walkways are installed with utmost safety as per Government norms.

PWD

We are well versed with PWD rules and regulations to ensure faster erection & installation of Elevators and to get Lift Operation License.

WE ARE OFFERING OUR CUSTOMERS
Escalator
Moving Walk



Asia Fuji

Professional Elevator
Packaging Solution Supplier

Escalator

Asia Fuji escalators fully apply the novel materials and the advanced domestic and overseas technology for design and manufacture. The escalators have the consummate structure, elaborate stairway, delicate belt, attractive outline, they are widely applicable for large passenger flow areas such as the shopping centers, supermarkets, subways, airports etc. It adds a charming mobile view for vast construction.

Our Main Products

SCF30H Escalator Series

SCF35H Escalator Series

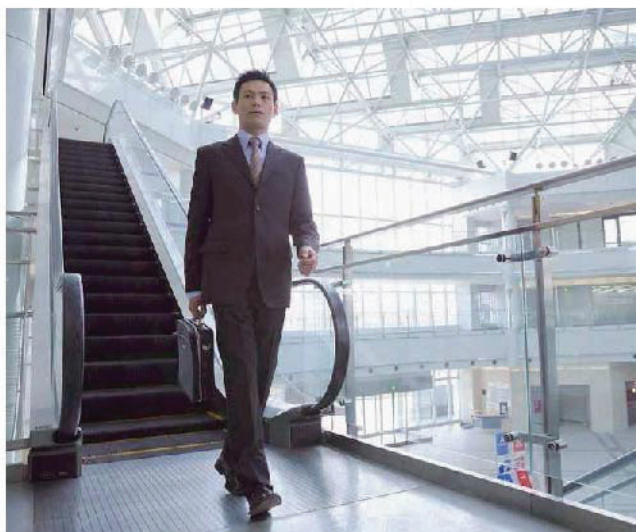
SF30H(S) Highter Escalator Series

SCFW30 Outdoor Escalator Series

SCFW35 Outdoor Escalator Series

SFW30H(S) Outdoor Highter Escalator Series

SCFG Bus Escalator Series





Asia Fuji

Professional Elevator
Packaging Solution Supplier

紧握扶手
Hold the hand

Moving Walk

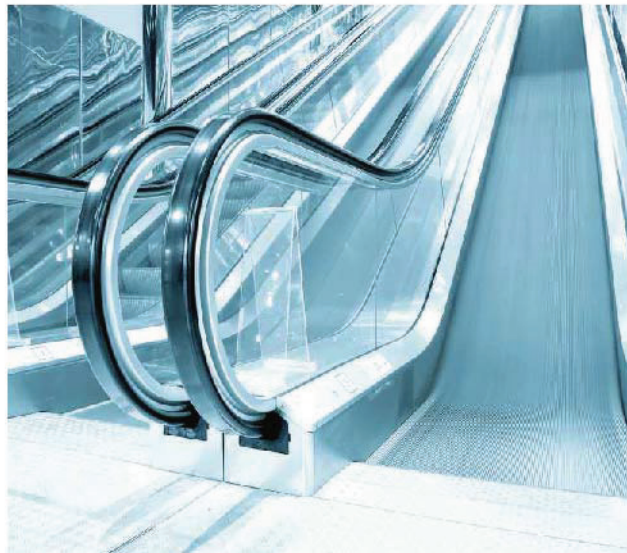
Auto-walk elevates the shopping to a newly concise and comfortable realm, it not only satisfies the conveying problem of large passenger flow, but also meets the requirements of long-distance walk, carrying luggage cart, baby's cart, shopping cart, the vehicle for the handicapped etc, it is greatly convenient for people's outing and shopping.

It adapts modern new technique, fastness, comfort and safety. Satisfy the growing traffic needs of modern city. Carefully processed hairless stainless steel panel adds the sense of Moving. Tiny stainless steel handrail guiding orbit has compact structure. It lets the passengers have the feeling of sliding on the window.

Our Main Products

SCRXB Passenger Conveyor Series

SCRXBW Passenger Conveyor Series



WHY CHOOSE US?

International Quality

Uncompromising Reliability



Asia Fuji

Professional Elevator
Packaging Solution Supplier

International Quality

- Our PLC contactor relays adopt international famous brand,durable.
- Using the well-known brand escalator machine,the machine with high operation effective. low noise, stable performance, energy-saving and environmental protection.



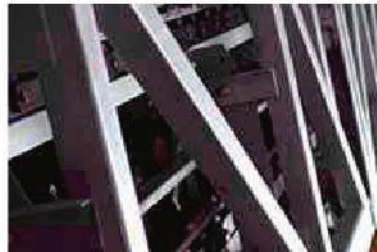
Electrical component



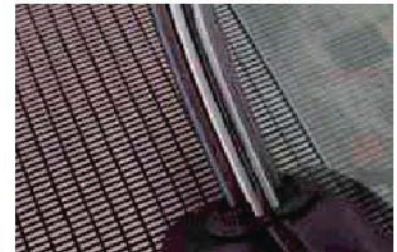
Machine

Uncompromising Reliability

- Respectively by means of 120 *120 and 100*60 rectangular tube, the high quality of the production process, than angle structure high strength, strong stability, avoid truss shaking.
- Using heavy duty type 35 crmo alloy steel chain plate,the breaking strength is 180KN and long life. the polyurethane roller with rolling bearing can reduce operation noise effectively, and the escalator runing more smoothly and quieter.
- The Main drive chain too tighten or too loosen will affect the escalator operation intimacy. through adjusting the main drive tension device, it can make the main drive chain to the best tightness state.
- Adopt stainless steel material, to improve the appearance of the escalator texture.
- The material for bracket as #430 stainless steel. it can reduce the friction factor between handrail and handrail guide.
- Multi-DMC structure, frictional wrap angle up to 140~160°. Handrail belt with smooth walking curve, wear well. Higher depth of parallelism,can not be effected by the elastic deformation of truss.
- Automatic oiling and lubricating system fulfills the ideal automatic lubrication to the transmission chain during the running process of the escalator, it not only reduces the daily repair and maintenance work load, but also prolongs the service life of the driving mechanism.
- Usually there are three heating devices installed in each escalator, the upper, middle and bottom.the upper one is installed near the motor to heat the motor room, the middle one is installed in the middle of escalator and the bottom one is installed in the bottom motor room to heat the whole escalator.



Truss structure



Handrail guide rail



Escalator step chain



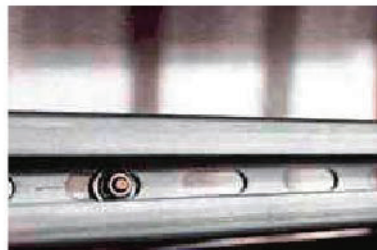
Elastic larger friction wheel handrail drives(optional)



Main drive chain tension device



Automatic oiling



Skirting panel



heating device(optional)

WHY CHOOSE US?

Energy Saving

Melt into the Environments



Eco-efficiency

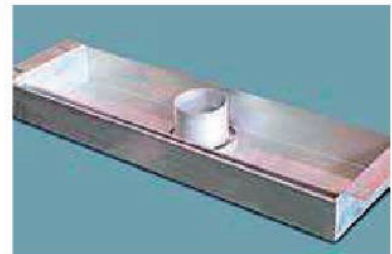
Light sensors are installed in the panel of escalator(moving walk) entrances, when no passengers take the escalator (moving walk) in certain time, it will stop automatically to save energy.

It separates the escalator oil from water, exhausts the rain water and cleans the oil spot regularly for environment protection purpose.

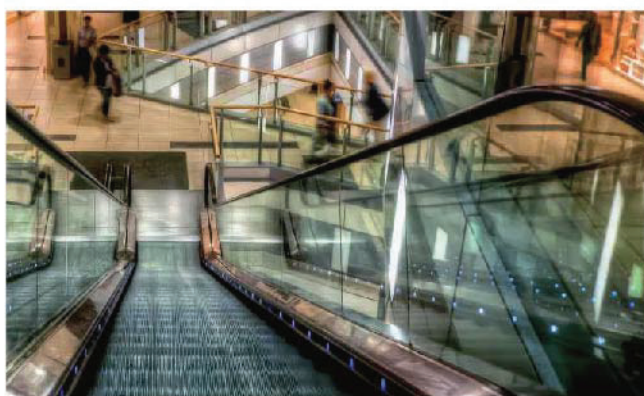
It can adopt variable frequency control or the automatic starting mode to fulfill the energy-saving.



Intermittent operation
(frequency conversion)



Oil-water separator
(for outdoor type)



Melt into the Environments

- Novel, luxurious and elegant design for handing elevator. Meanwhile, it has smooth and sprightly sense of rhythm. With outstanding performance, Safety and reliability, Elegant appearance, it can be widely used in various business and public traffic places.
- Carefully processed hairless stainless steel panel adds the sense of Moving. Tiny stainlee steel handrail guiding orbit has compact structure. It lets the passengers have the feeling of sliding on the window.



Light brown



orange



shallow bluish green



red



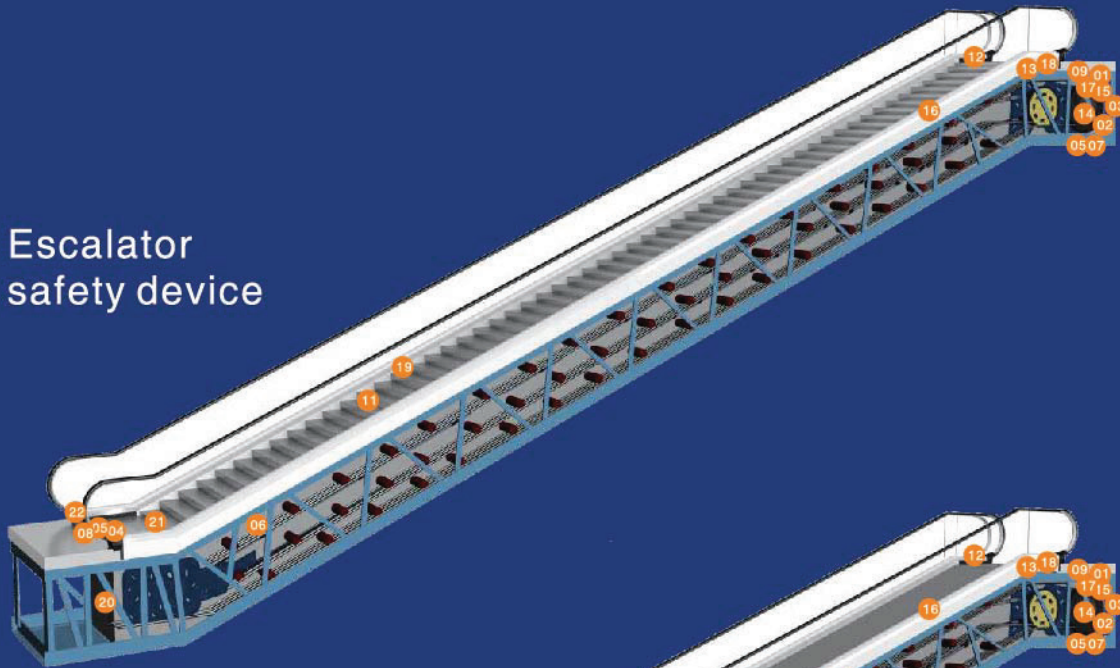
blue



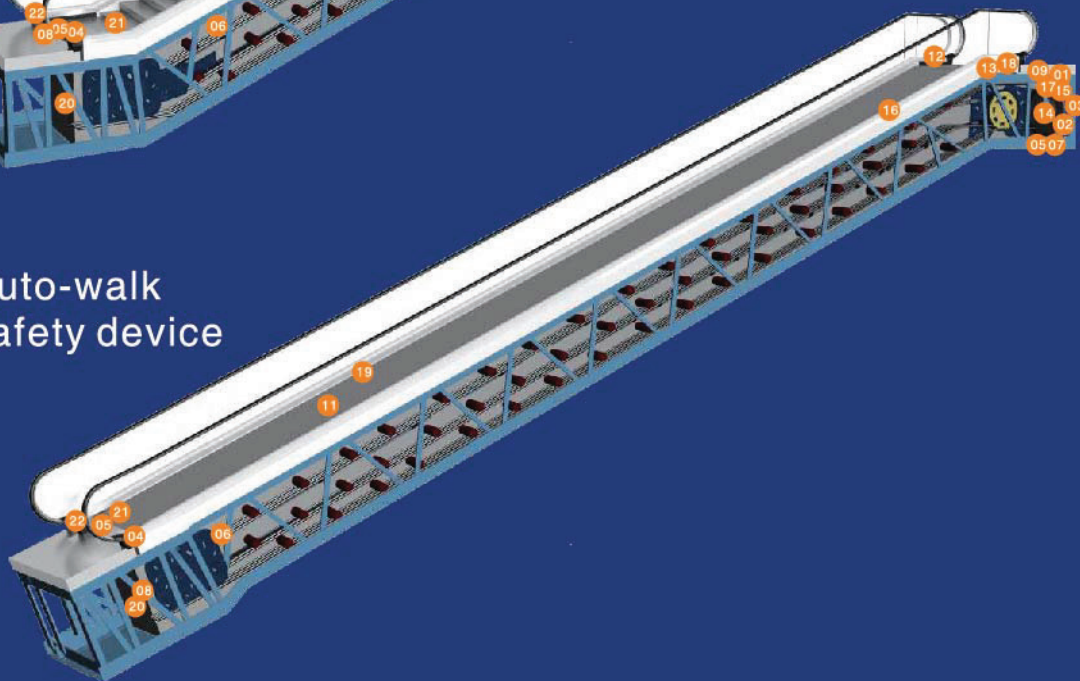
gray

Safety Devices

Escalator
safety device

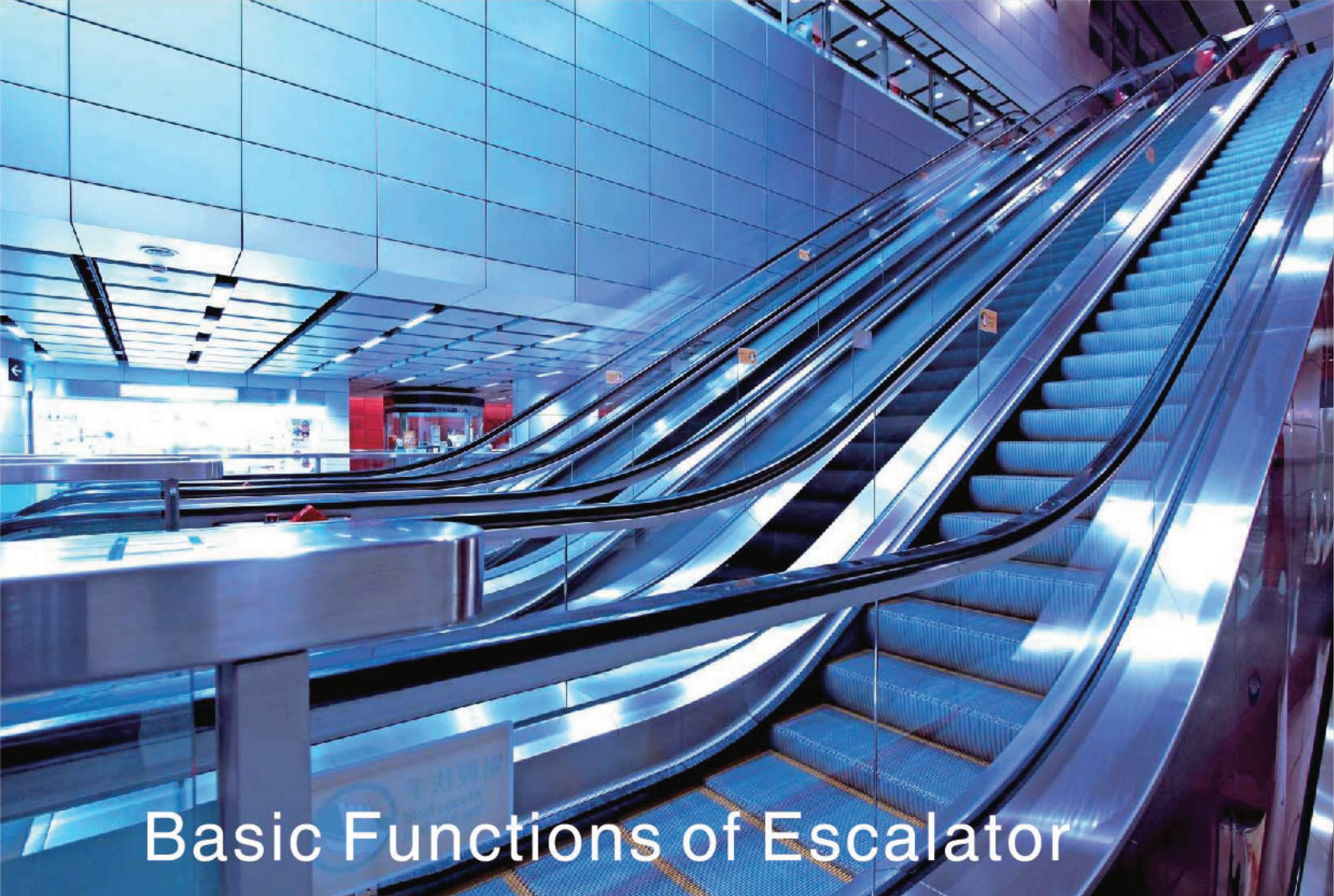


Auto-walk
safety device



- | | |
|---|--|
| 1. lack of phase,error phase protection | 12. emergency button |
| 2. motor over-load protection | 13. skirt panel protection |
| 3. electrical appliance loop protection | 14. brake protection |
| 4. handrail inlet protection | 15. safety inspection switch |
| 5. comb plate safety device | 16. warning lights |
| 6. step sagging protection device | 17. alarm bell starting device |
| 7. broken drive-chain safety device | 18. control device for handrail breakage |
| 8. broken step chain protection | 19. skirt panel brush |
| 9. over-speed protection | 20. conversion function |
| 10. direction reversal protection | 21. comb illumination |
| 11. security line | 22. handrail speed monitor |

	Safety Devices	Function description
1	Lack Of Phase,error Phase Protection	If lack phase or error phase has been checked out, the escalator (auto-Walk) will automatically stop the operation.
2	Motor Over-load Protection	When the current exceeds 15% of the current rating, the escalator will automatically stop the operation.
3	Electrical Appliance Loop Protection	It offers the automatic circuit disconnecting device to protect the circuit and mains components of the escalator(auto-walk).
4	Handrail Inlet Protection	When some foreign substance has clipped in the handrail inlet, the escalator (auto-walk) will automatically stop the operation.
5	Comb Plate Safety Device	When some foreign substance has been clipped in or between the combs, the escalator (auto-walk) will automatically stop the operation.
6	Step Sagging Protection Device	When there is abnormal step bending, the escalator (auto-walk) will stop the operation before the step entering into the comb plate.
7	Broken Drive-chain Safety Device	When the drive-chain has been over-stretched or it is broken, the escalator(auto-walk) will automatically stop the operation.
8	Broken Step Chain Protection	When the step (pallet) chain has been over-stretched or it is broken, the escalator (auto-walk) will automatically stop the operation.
9	Over-speed Protection	When there is over-speed to the escalator (auto-walk), it will automatically stop the operation.
10	Direction Reversal Protection	When it comes the unintentional reversal of the direction of travel, the escalator (auto-walk) will automatically stop the operation.
11	Security Line	The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in-between the edge of the adjacent step and the lift group lengthened skirt panel, the security line on both sides of the step is higher than tread surface, (the auto-walk) offers the selective yellow spray-painted security line.
12	Emergency Button	When the button has been pressed down, the escalator(auto-walk) will stop the operation.
13	Skirt Panel Protection	When some foreign substance has been clipped in or between the skirt panel and the step, the escalator(auto-walk) will automatically stop the operation.
14	Brake Protection	When the electric force falls short of supply or is acts any of the safety device, the brake function goes into effect by the safety device through the spring resilience action, in this way, the escalator(auto-walk)stops the operation.
15	Safety Inspection Switch	It is a safety device to prevent the escalator from starting during the inspection and maintenance.
16	Warning Lights	Illumination exists in the upper and lower ends of the escalator. It's in the lower part of the step, in order to remind the passengers of the security matters.
17	Alarm Bell Starting Device	The alarm bell rings when it starts the escalator in order to remind the passengers of the security matters.
18	Control Device For Handrail Breakage	When the handrail is broken, the escalator will automatically stop the operation.
19	Skirt Panel Brush	The brush that has been installed between the skirt panel and the step will prevent the passengers from touching the skirt panel, (it is not merely restricted to the escalator).
20	Conversion Function	It can adopt variable frequency control or the automatic starting mode to fulfill the energy-saving.
21	Comb Illumination	The illumination has been installed in the skirt panel near the comb plate, it offers the lighting for the step and the comb plate, it is more convenient for the passengers to up and down the escalator.
22	Handrail Speed Monitor	When the handrail speed versus step is slower than certain percentage, the escalator (auto-walk) will stop the operation.



Basic Functions of Escalator

Static electricity protection

remove static electricity raised from running of steps

Skirting protection

protection against risk of foreign matters being jammed into clearance between steps and skirting

Main drive chains safety protection

protection against risk of drive chains being breakage or over long

Under-speed protection

protection against risk of speed less than 80% of rated speed

Lack of phase, error phase protection

protection against risk of phase failure

Over-load protection

protection against risk of motor continually over-load

Step chains safety protection

protection against risk of step chains being breakage or over long

Emergency stop button

push the emergency stop button to stop the escalator/passenger conveyor in an emergency

Handrail entry safety protection

protection against risk of foreign matters being jammed into handrail entry

Door zone secondary anti-pitch function

protection against risk of speed being over 20% of rated speed

Un-intentional reversal protection

protection against risk of unintentional reversal protection

Short-circuit protection

protection against risk of short circuit

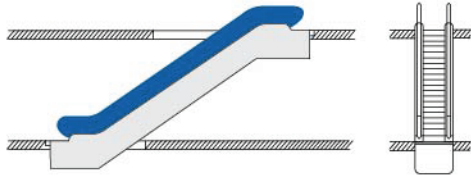
Step sagging protection

protection against risk of steps being breakage and sagging

Comb safety guard

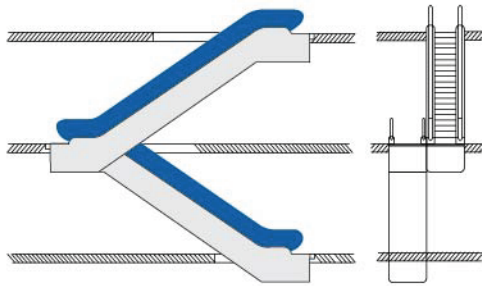
protection against risk of foreign matters being trapped into comb teeth of steps(pallet)

Escalator Arrangements Planning Guide



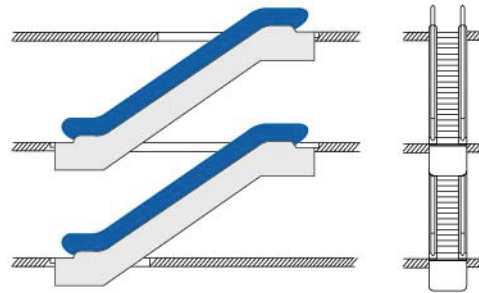
Single unit arrangement

Particularly suitable for transporting passengers between two floor levels, where passenger flow is in one direction, while on-demand starting can be utilized to allow travel in both two directions, (e.g, up in the morning and down in the evening)



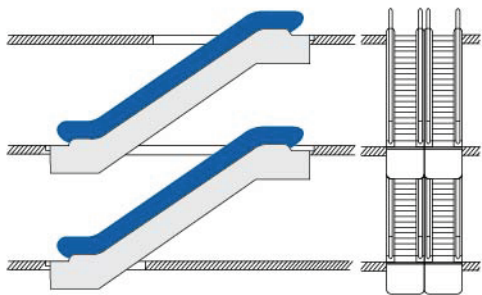
Continuous arrangement (one travel direction)

Mainly suitable for small department stores, between three sales floor levels, more space required than the interrupted arrangement.



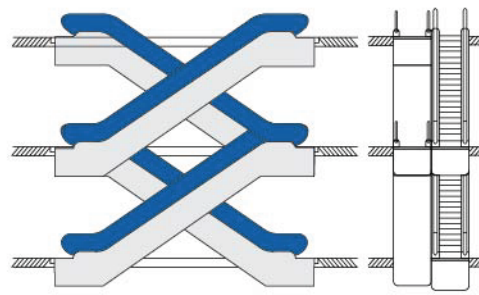
Interrupted arrangement (one travel direction)

Passengers have to make a short detour to the next escalator. Strategically displaying goods alongside the route of this detour can help to increase sales by encouraging impulse buying.



Multi-level parallel arrangement (interrupted traffic, two travel directions)

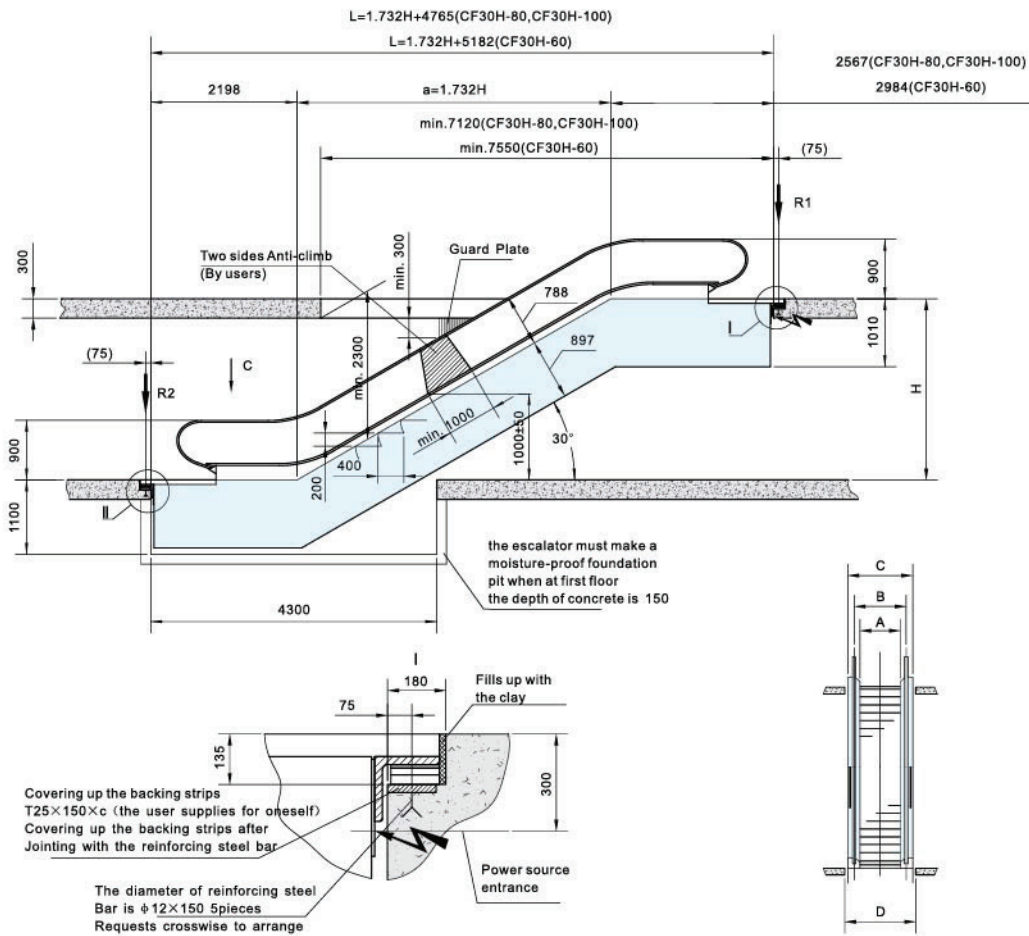
Mainly used in department stores and public buildings with a heavy traffic flow, when there are three or more escalators. It has the possibility to reverse the direction of travel of both escalators depending on the usage or traffic flow. This arrangement is economical, since no decorative truss cladding is required.



Multi-level cross-cross arrangement (continuous traffic flow, two travel directions)

Mainly used in major department stores, public buildings and public transport buildings, reducing congestion at the landing area by separating the upwards and downwards travelling passengers.

SCF30H ESCALATOR SERIES



Technical Speed (mm)	Self-weight (KN)	Support counterforce (KN)	
H	G	R1	R2
3000	65.0	61.0	55.0
3100	65.8	62.0	55.8
3200	66.6	63.0	56.6
3300	67.4	64.0	57.4
3400	68.2	65.0	58.2
3500	69.0	66.0	59.0
3600	70.0	66.8	59.8
3700	70.8	67.6	60.6
3800	71.6	68.4	61.4
3900	72.2	69.2	62.2
4000	73.0	70.0	63.0
4100	73.9	71.1	63.8
4200	74.7	72.0	64.6
4300	75.6	73.0	65.4
4400	76.3	74.0	66.2
4500	77.0	75.0	67.0

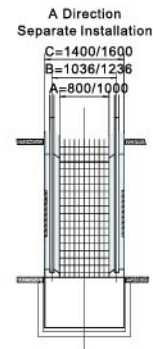
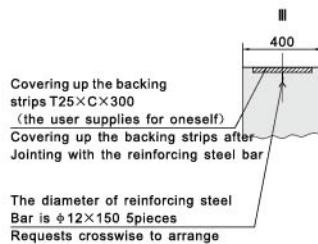
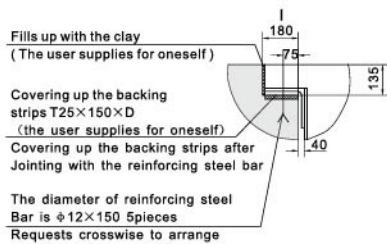
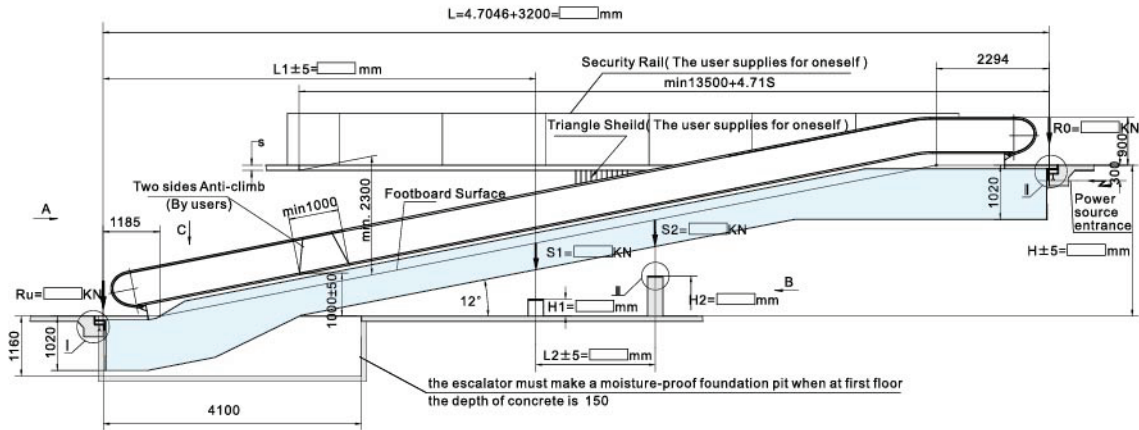
Technical Speed (mm)	Self-weight (KN)	Support counterforce (KN)	
H	G	R1	R2
4600	77.8	76.2	68.2
4700	78.7	77.4	69.4
4800	79.5	78.6	70.6
4900	80.2	79.8	71.8
5000	81.0	81.0	73.0
5100	81.8	82.0	73.8
5200	82.6	83.0	74.6
5300	83.3	84.0	75.4
5400	84.1	85.0	76.2
5500	85.0	86.0	77.0
5600	85.6	86.8	77.8
5700	86.3	87.6	78.6
5800	86.9	88.4	79.4
5900	87.4	89.2	80.2
6000	88.0	90.0	81.0

size code	SCF30H-60	SCF30H-80	SCF30H-100
A	600	800	1000
B	836	1036	1236
C	1200	1400	1600
D	1260	1460	1660
E	1910	2110	2310
F	2660	2860	3260
G	3310	3510	3910

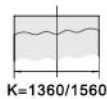
In the table G,R1,R2,R3 are the SCF30H-100 escalators self-weight and supporting reaction; SCF30H-80 escalators self-weight and supporting reaction for table in value 90%. SCF30H-60 escalator self-welf-weight and supporting reaction for table in value 80%.

The schematic drawing of civil work is for reference only

SCRXB PASSENGER CONVEYOR SERIES



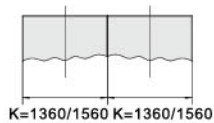
B Direction Separate Installation



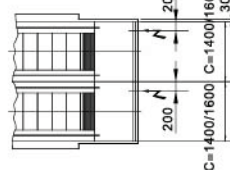
B Direction Separate Installation



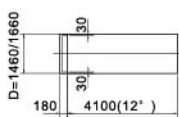
Parallel Installation



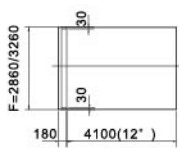
Parallel Installation



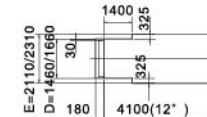
C Direction Separate Installation Pit Plan



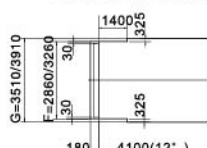
Parallel Installation Pit Plan



C Direction Separate Installation Down Part Floor Hole Plan View



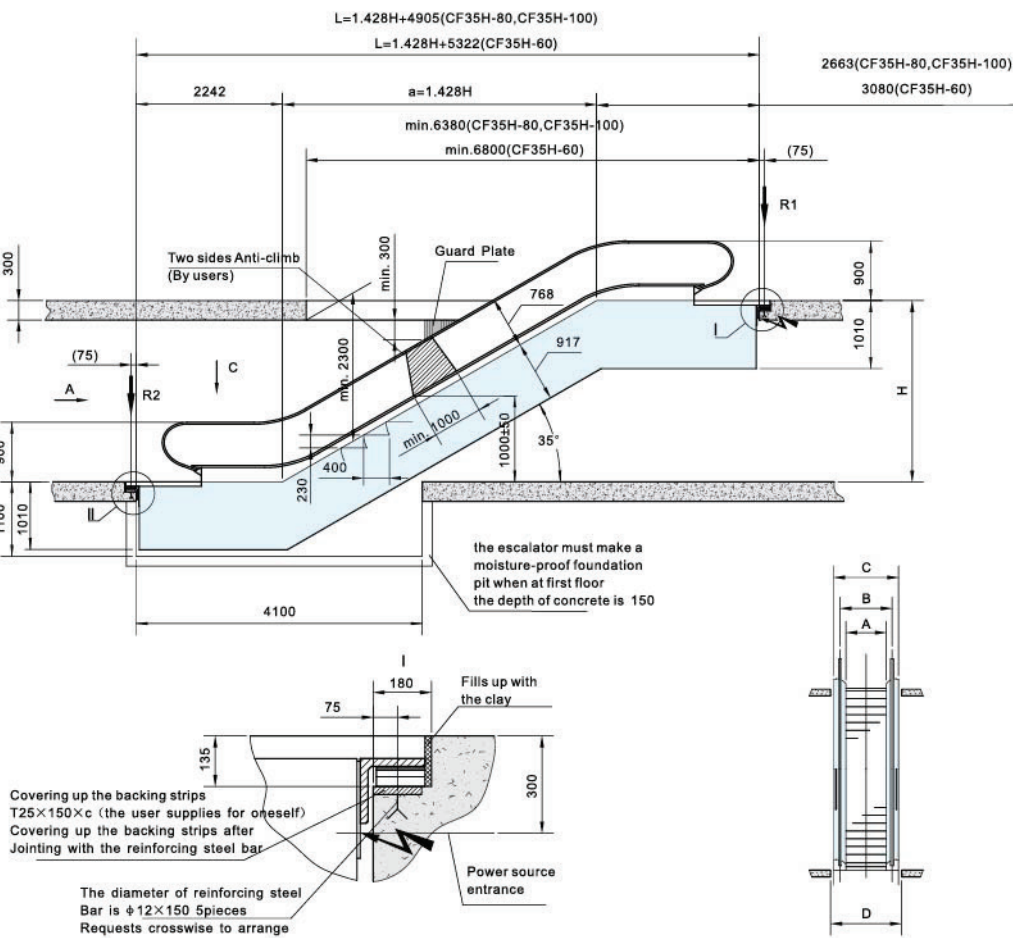
Parallel Installation Down Part Floor Hole Plan View



Technical Request:

1. I and II have the same structure, but the directions are opposite, when constructing according to the request
2. Both sides bolsters the structure and other sizes, can guarantee to withstand the load situation and independently design
3. If installed in the first floor, should provide the sump and the freeing port, so the users can control it themselves
4. When parallelly installed, the up and down end girder, the middle supporting prebury two backing strips individually
5. The level distance between the handrail with edge and other obstacles does not have to be smaller than 80mm in any situations. This distance should maintain to the escalator stair above 2.1 meters high place
6. The supplied power is the 380V, the 5CHZ alternating current, The users self control the load switch (LS-32) and the overhaul illumination switch (LA-3h), two switches meets the external power separately, its wire should
7. If surpassing the specification, please contact this company

The schematic drawing of civil work is for reference only



Technical Speed (mm)	Self-weight (KN)	Support counterforce (KN)	
H	G	R1	R2
3000	62.0	53.2	47.9
3100	62.8	54.0	48.6
3200	63.6	54.9	49.3
3300	64.4	55.8	50.0
3400	65.2	56.7	50.7
3500	66.0	57.5	51.4
3600	66.6	58.2	52.1
3700	67.3	58.9	52.8
3800	67.9	59.6	53.5
3900	68.5	60.3	54.2
4000	69.0	61.0	54.9
4100	69.8	61.9	55.6
4200	70.6	62.8	56.3
4300	71.4	63.6	57.0
4400	72.2	64.5	57.7
4500	73.0	65.4	58.4

Technical Speed (mm)	Self-weight (KN)	Support counterforce (KN)	
H	G	R1	R2
4600	73.8	66.4	59.4
4700	74.6	67.5	60.5
4800	75.4	68.5	61.5
4900	76.2	69.6	62.6
5000	77.0	70.6	63.6
5100	77.6	71.5	64.4
5200	78.2	72.4	65.0
5300	78.8	73.2	65.7
5400	79.4	74.1	66.4
5500	80.0	75.0	67.1
5600	80.8	75.7	67.8
5700	81.6	76.4	68.5
5800	82.4	77.1	69.2
5900	83.2	77.8	69.9
6000	84.0	78.4	70.6

size code	SCF35H-60	SCF35H-80	SCF35H-100
A	600	800	1000
B	836	1036	1236
C	1200	1400	1600
D	1260	1460	1660
E	1910	2110	2310
F	2660	2860	3260
G	3310	3510	3910

In the table G,R1,R2,R3 are the SCF35H-100 escalators self-weight and supporting reaction; SCF35H-80 escalators self-weight and supporting reaction for table in value 90%. SCF35H-60 escalator self-weight and supporting reaction for table in value 80%.

The schematic drawing of civil work is for reference only

Technical Parameter

Technical Speed H(mm)	10°				11°				12°				SCRXB-80 Power (kw)	SCRXB-100 Power (kw)
	Ro (KN)	Ru (KN)	S1 (KN)	S2 (KN)	Ro (KN)	Ru (KN)	S1 (KN)	S2 (KN)	Ro (KN)	Ru (KN)	S1 (KN)	S2 (KN)		
2500	54	48	110		54		101		48	41	94		8	8
2600	57	48	114		57		104		50	41	96		8	8
2700	59	48	117		52	48	107		53	41	99		8	8
2800	62	48	121		54	48	111		55	41	102		8	8
2900	65	48	124		57	48	114		57	41	105		8	8
3000	67	48	128		59	48	117		59	41	108		8	8
3100	63	55	131		62	48	120		54	48	111		8	8
3200	66	55	136		64	48	123		57	48	114		8	8
3300	68	55	138		66	48	126		59	48	117		8	8
3400	71	55	142		62	54.6	129		61	48	119		8	8
3500	74	55	145		64	54.6	133		63	48	122		8	8
3600	69	62	148		67	54.6	136		66	48	125		8	11
3700	72	62	152		69	54.6	139		68	48	128		8	11
3800	75	62	155		71	54.6	142		63	55	131		8	11
3900	77	62	159		74	54.6	145		65	55	134		8	11
4000	80	62	162		69	62	148		67	55	137		8	11
4100	76	69	166		72	62	151		70	55	140		8	11
4200	78	69	169		74	62	155		72	55	142		8	11
4300	81	69	173		77	62	158		74	55	145		8	11
4400	77	76	176		79	62	161		69	62	148		8	11
4500	79	76	180		74	69	164		71	62	151		8	11
4600	82	76	83		77	69	167		74	62	154		8	11
4700	52	52	134	125	79	69	170		76	62	157		8	11
4800	54	52	134	129	82	69	173		78	62	160		8	11
4900	57	52	134	132	77	76	177		80	62	163		11	11
5000	60	52	134	136	79	76	180		75	69	165		11	11
5100	62	52	134	139	82	76	183		78	69	168		11	11
5200	65	52	134	143	51	52	134	125	80	69	171		11	11
5300	68	52	134	146	54	52	134	128	82	69	174		11	11
5400	70	52	134	150	56	52	134	131	77	76	177		11	11
5500	73	52	134	153	59	52	134	134	79	76	180		11	11
5600	76	52	134	157	61	52	134	138	82	76	183		11	11
5700	74	52	141	160	63	52	134	141	51	52	134	124	11	11
5800	76	52	141	164	66	52	134	144	53	52	134	127	11	11
5900	79	52	141	167	68	52	134	147	55	52	134	130	11	11
6000	82	52	141	171	71	52	134	150	58	52	134	133	11	11

Technical Speed H(mm)	10°				Technical Speed H(mm)	11°				Technical Speed H(mm)	12°			
	L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)		L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)		L1 (mm)	L2 (mm)	H1 (mm)	H2 (mm)
2000~2400	8000		282		2000~2600	7500		330		2500~3000	7500		466	
2500~3600	9000		459		2700~3300	9000		622		3100~3700	9000		785	
3100~3500	10500		723		3400~3900	10500		913		3800~4300	10500		1104	
3600~4000	12000		988		4000~4400	12000		1205		4400~4900	12000		1423	
4100~4300	13500		1252		4500~4800	13500		1496		5000~5300	13500		1742	
4400~4600	15000		1516		4900~5100	15000		1788		5400~5600	15000		2061	
4700~5600	10000	12000	635	2751	5200~6000	10000	12000	813	3148	5700~6000	10000	12000	998	3549
5700~6000	10000	13000	417	2927										

Size Code	A	B	C	D	E	F	G	K
SCRXB-80	800	1036	1400	1460	2110	2860	3510	1360
SCRXB-100	1000	1236	1600	1660	2310	3260	3910	1560

