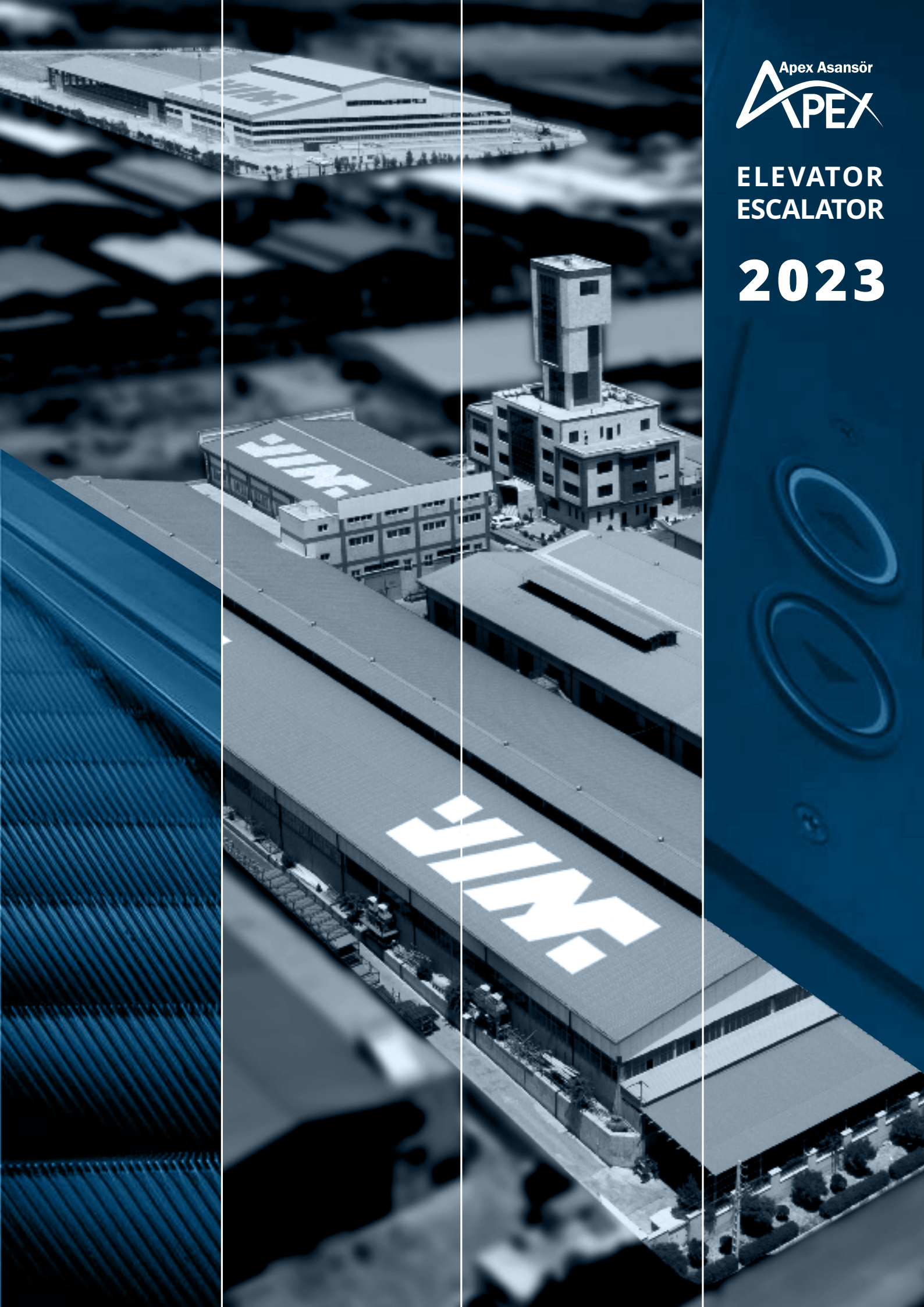
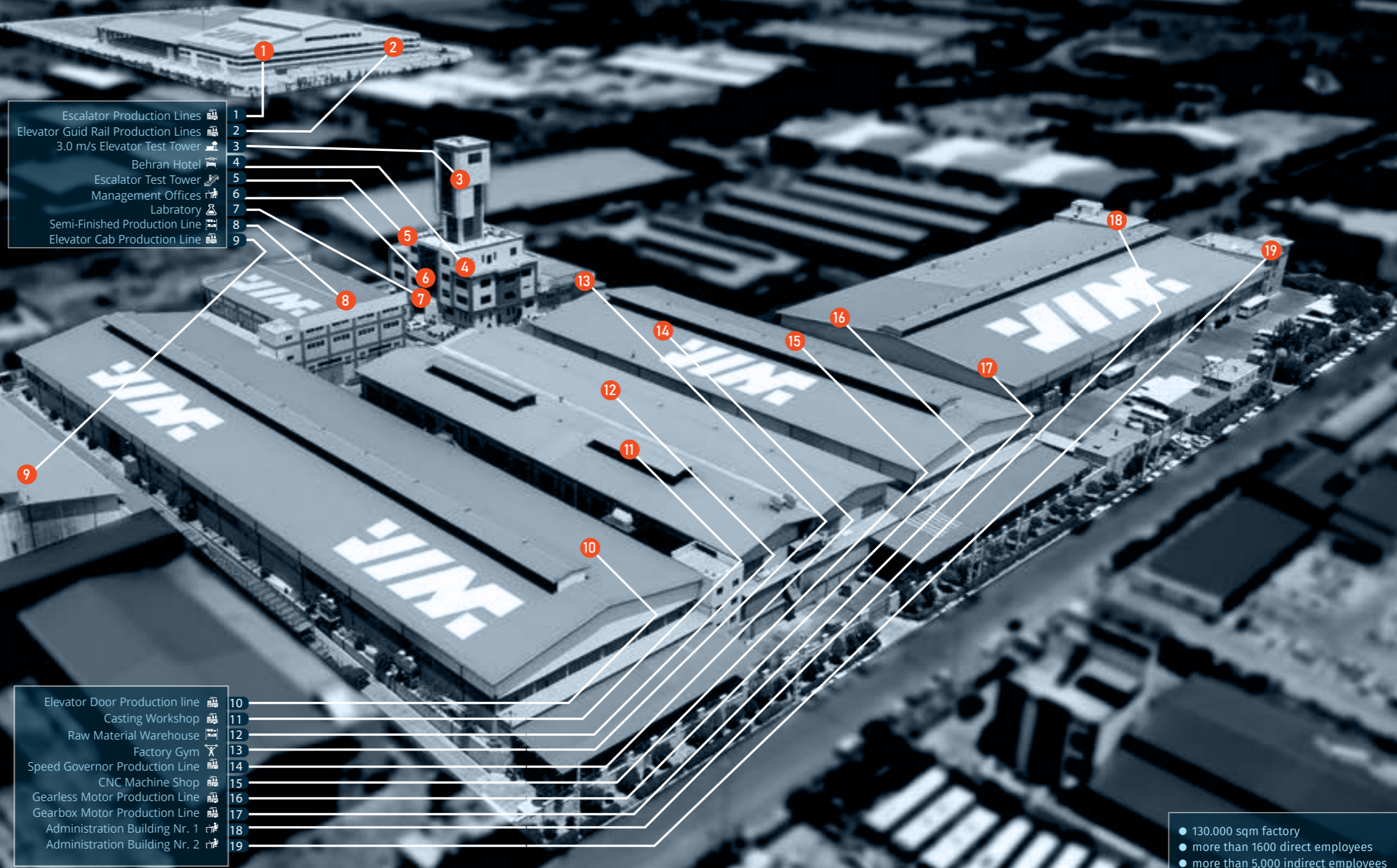




ELEVATOR
ESCALATOR

2023





- 130.000 sqm factory
- more than 1600 direct employees
- more than 5,000 indirect employees



History

With a deep focus on processes including the turning and repairing of elevator parts, Behran started its business operation in 1989 in a small 40-meter workshop in Tehran. Just four years later, in 1993, the company moved to a larger workshop with an area of 100 square meters in Tehran's Hashemi neighborhood. With an increase in their knowledge and experience, the company's founders developed their business scope in 1997 and this time they moved to a new workshop with an area of 250 square meters in Shad Abad Street in Tehran. In yet another development, the small company of Behran moved to a larger workshop (1300 square meter) located in the former Tehran-Karaj main highway. Here in this new workshop, the company's founders got down to the idea of implementation of their old notion of manufacturing elevator gearbox motor drive. This comes as they, step by step, also developed two more new ideas of production of gearless motor drive as well as the elevator parts and components, all carrying the brand name Behran. And this is the exact place of change; a date from which on Behran has doubled and even tripled its pace of change from a small company to a giant one in the elevator and escalator industrial section of Iran. An increase in the production lines of the elevator parts and components and consequently the need for a larger scale site for the company's business operation caused Behran to establish a factory with an area of 11,000 square meters in Parand Industrial Estate with the aim of transferring all its manufacturing industrial undertakings to this new vast venue. And now, after more than thirty years of effort and dynamism of the factories of Behran Industrial Group (Private Joint Stock Company) with an area of 120,000 square meters and more than 1600 active manpower, under the supervision and management of Mr. Mahmoud Shakeri, chairman of the board, Mr. Ahmad Shakeri CEO, Mr. Hossain Shakeri as factory Manager and the brothers, who are experts and influencers in this field, Behran is leading in the field of elevator and escalator industry in Iran in production of elevator and escalator parts and packages and on par with the top European companies, with active branches and agencies throughout Iran, meets the needs of domestic and international markets.



Chairman's Message

Crisis and constant challenges for success
We are all challenged in a world of production and business, and we certainly experience many struggles and failures on the path to success. In this way, the most important goal of successful individuals and groups is not necessarily winning and losing, but to continue moving forward, reaching new standards and creating a stable and focused process to build a better future. This practice brings each failed experiment one step closer to success.

According to this view, today Behran has changed from a small machining workshop to the largest elevator and escalator factories in the Middle East. This has not been possible without commitment, follow-up, learning from the failures and continuous efforts of managers, engineers, employees and workers of the Behran complex.

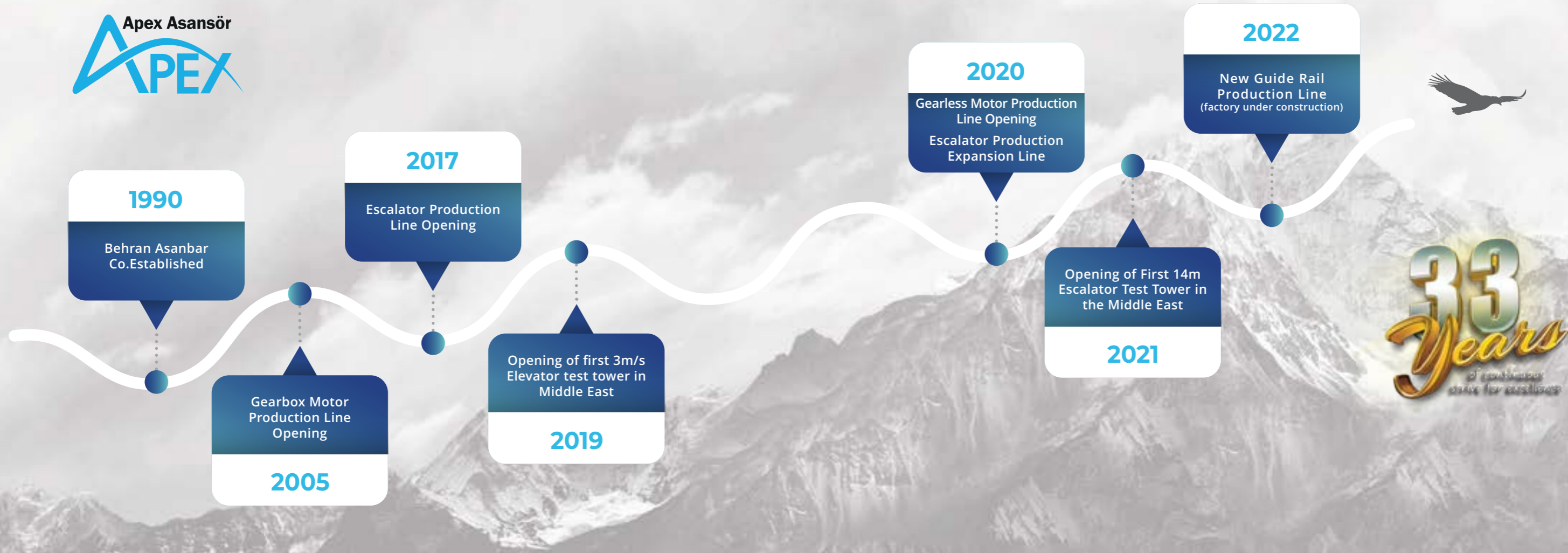
Behran Management is always trying to cultivate the expertise of its employees by relying on the basic skills and potential abilities. At the same time, the professional and ethical work culture of Behran Group makes employees prosper.

In Behran's work philosophy, everyone is a member of a team that leaves a legacy and is remembered for many years for what they have done in the field of development of the country.

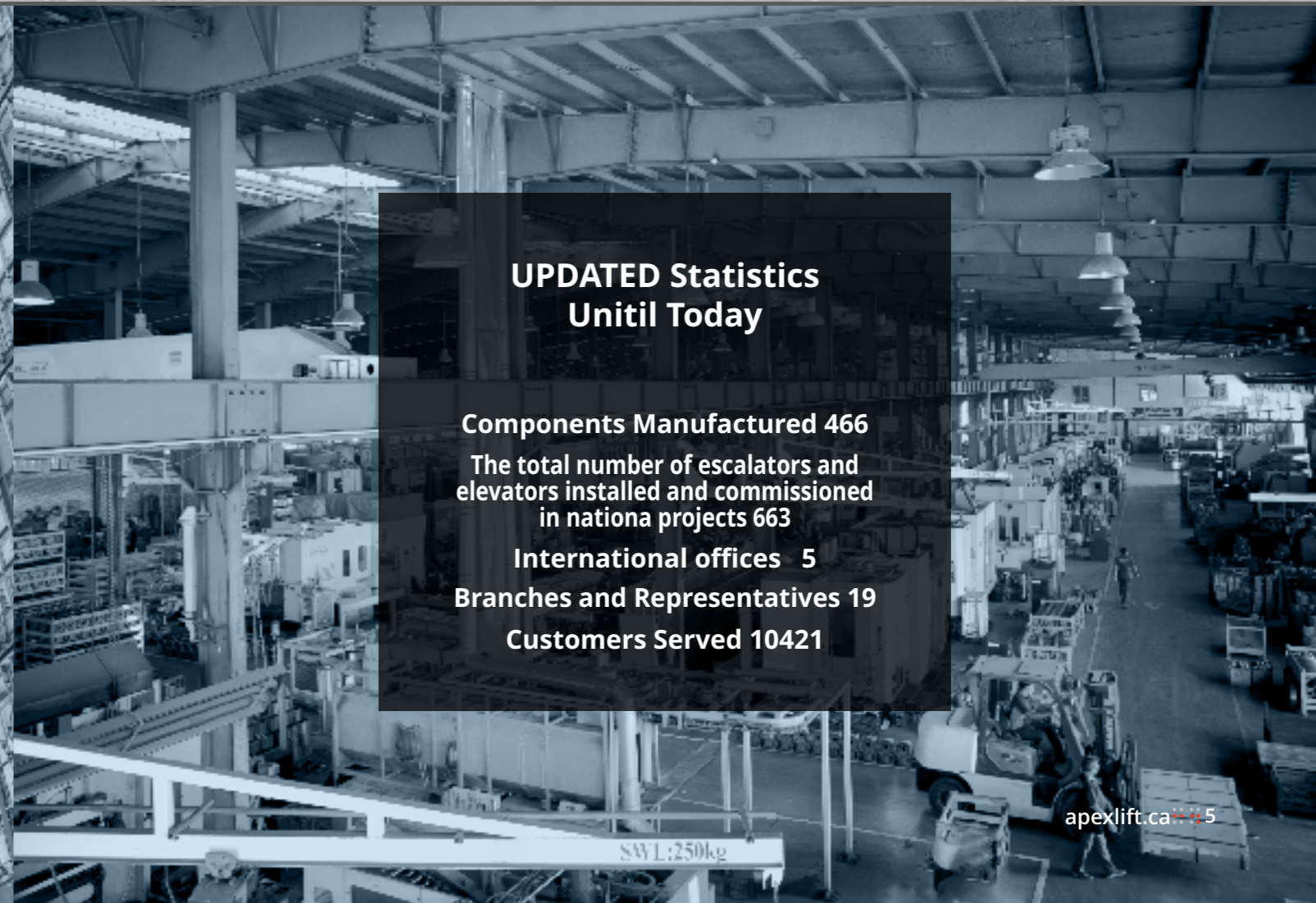
We are committed to creating new and progressive approaches to the quality of our products, operations and services in order to contribute to the development of the country and achieve customer satisfaction.

From the very beginning, we tried to be the highest quality manufacturer of elevators and escalators in the country. In this way, we failed many times, but we worked hard to succeed. Because the results of long-term success are far more important and more difficult than overcoming short-term problems.

Mahmoud Shakeri
Chairman



Switzerland	Germany	Italy	Turkey	Spain	China



UPDATED Statistics
Unitil Today

Components Manufactured 466
The total number of escalators and elevators installed and commissioned in nationa projects 663
International offices 5
Branches and Representatives 19
Customers Served 10421



Innovative Low-rise & Mid-rise solutions with high efficient Gearless and Geared traction machines



Behran elevators suitable for high traffic commercial and residential environments, meets the highest demands in terms of space flexibility, design and performance. Behran's proven technology results in a superb elevator system that benefits passengers and building owners



Quality versus Price

In addition to quality, customers naturally expect affordable products. The use of optimal technical and economic mechanisms increases product quality and, as a result, low cost in the long run.

Accordingly, the quality of products has made the Behran brand attractive and popular among customers.

- High Technology
- Smooth Comfortable Ride
- Space Saving
- Quiet Performance
- High Safety



Establish new standards in service delivery

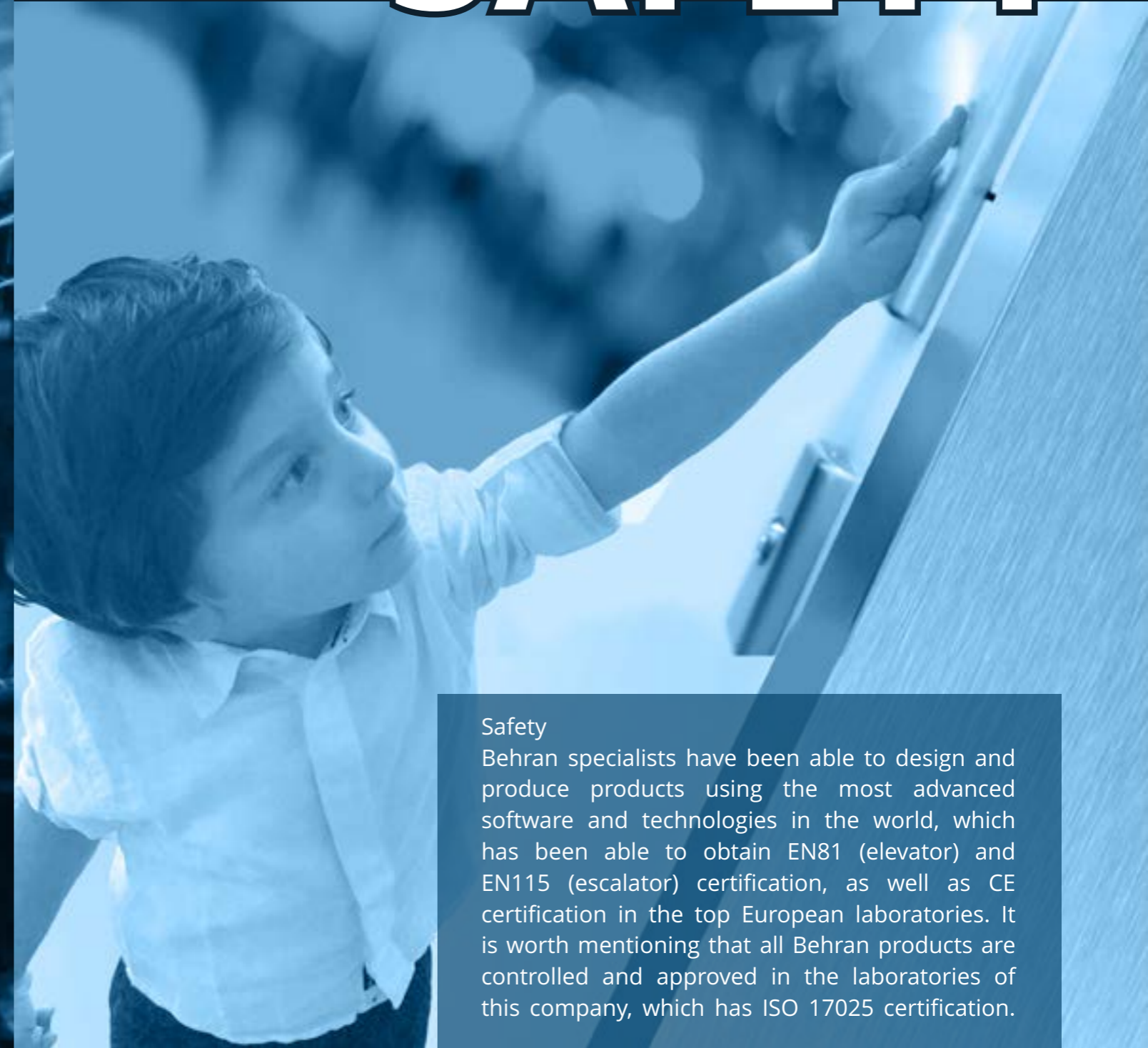
Behran Group uses innovative solutions to achieve the highest level of standards, including new management systems in production research, sales quality control, and after-sales service.

Behran Asanbar's achievements in the field of standards:

- 1- Obtaining **ISO17025** Standard Certificate
- 2- Obtaining European **CE** Standard Certificate for all types of locks, governors, buffers, gearbox motors and gearless motor
- 3- Obtaining the Iran National Standard Organization's best provincial manufacturer Award, **(2021-2020)**
- 4- Obtaining the Iran National Standard Organization's best national manufacturer Award, **(2021-2020)**
- 5- Obtaining EN115 Sta

Ensure product safety

Behran elevators and escalators are produced using the most advanced technology according to international standards and requirements to have the desired quality, safety, and long life.



Safety

Behran specialists have been able to design and produce products using the most advanced software and technologies in the world, which has been able to obtain EN81 (elevator) and EN115 (escalator) certification, as well as CE certification in the top European laboratories. It is worth mentioning that all Behran products are controlled and approved in the laboratories of this company, which has ISO 17025 certification.





Research and Development

Behran has expanded its technological knowledge by using authoritative scientific resources, articles of various experts, the world's top technologies, employing specialized personnel, advanced tools and software, as well as state-of-the-art laboratories, in order to apply the Knowledge required for the production of new products.

Therefore, the research of Behran Technology and Development Unit has a special place to increase the quality of products.

Based on this, Behran is a leader in Iranian industry and keeps pace with the best international brands.



Professional Research and Development Team





HIGH TECH. MANUFACTURING

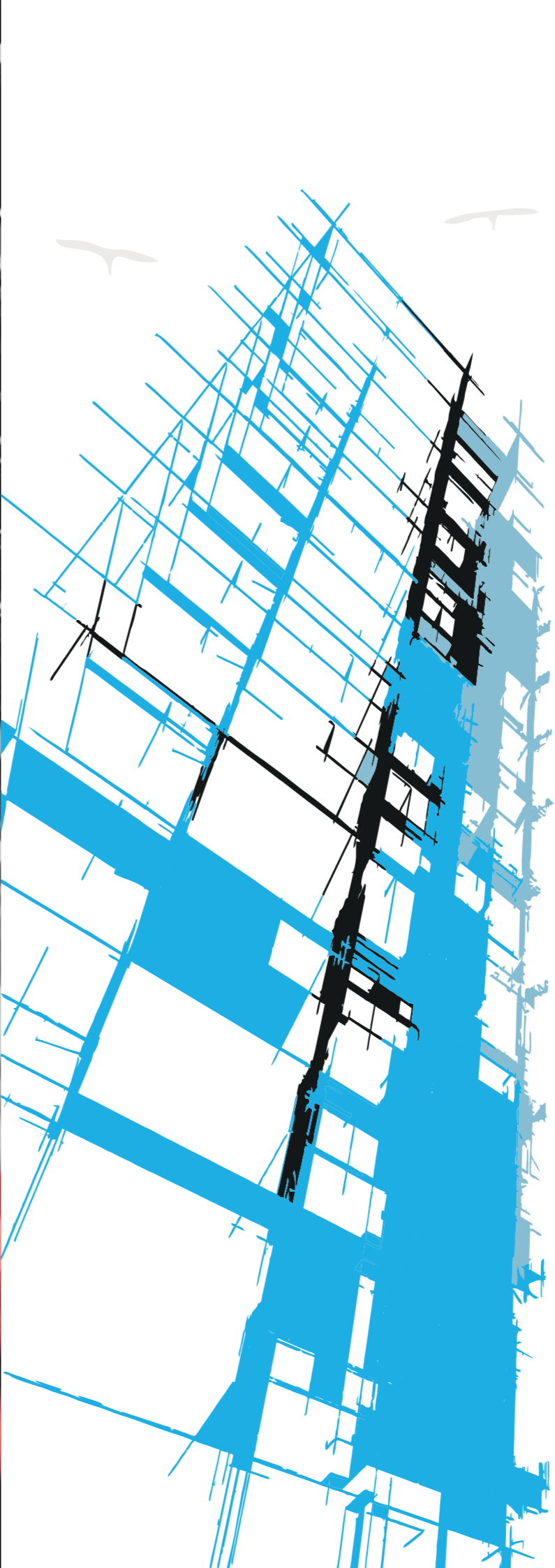


Production with new technology

In this regard, Behran Company, to increase the quality of its products, has made continuous investments to keep the technology used in production lines up to date, and by using new technology in the production and use of robotic systems, has maintained integrity in the quality of their products.

In addition to a professional workforce, world-class knowledge, and advanced machinery, which play a vital role in the production process, new technologies during the manufacturing process are essential for enhancing product quality.

We believe that selling, starting a commitment and after-sales service is an undeniable task. Considering that providing effective services in support requires the necessary facilities, Behran has provided this possibility and relying on the principle of customer orientation, in addition to guaranteeing all parts and packages of elevators and escalators, with Providing after-sales service for 10 years will also guarantee their useful performance.





Provide technical and professional advice to customers

Elevators and escalators as an industrial structure, according to the type of use and the requirements of the user, have unique features that must be designed technically and aesthetically, in accordance with certain principles. Behran technical experts, taking into account environmental parameters such as closed or open space and practical parameters such as traffic volume and type of use, proudly provide expert and technical advice on the principle of customer orientation in addition to considering cost-effectiveness, for customers to choose the best option to meet their needs.





Cabin Decorations





LX-G01

CEILING	CS- 08 (STS Ion Gold Hairline+LED)
CAR DOOR	STS Ion Gold Hairline+ Laser MARKING (LM-T2)
FRONT WALL	STS Ion Gold Hairline+Cl 13-x+COP- 03N (STS Gold plate)
SIDE WALL	STS Ion Gold Hairline+ Laser MARKING (LM-T2)
REAR WALL	STS Ion Gold Hairline+ Laser MARKING (LM-T2)
HANDRAIL	HR01- (STS Gold Polishing Pipe)
FLOOR	Marble (by Local)



The printcolor can be differnt front the axctual object



LX-G01

CEILING	Option Type (STS Ion Bronze Mirror + AcrylicPrinting+LED+LED Halogen)
CAR DOOR	STS Ion Bronze 3S Vibration
FRONT WALL	STS Ion Bronze 3S Vibration+CL-SW+COP03-N (STS Bronze Plate)
SIDE WALL	STS Ion Bronze Mirror +Marble+wood+LED Light
REAR WALL	STS Ion Bronze Mirror+Marble+Wood+LED Light
HANDRAIL	HR01- (STS Bronze Poishing Pipe)
FLOOR	Marble (by Local)



The printcolor can be differnt front the axctual object



Cabin Decorations





GP-G01

- CEILING** CS-S3 - STS Mirror+LTD+Steel painted black
- CAR DOOR** STS Mirror
- FRONT WALL** STS Champagne gold hairline -CL+SW+COP-02D (Champagne gold hair line)
- SIDE WALL** STS Champagne gold hairline+STS Mirror
- REAR WALL** STS Champagne gold hairline+Rigd metal Logo Laser marketing + Wall LE
- HANDRAIL** HR01- (STS gold hairline)
- FLOOR** Marble (by Local)



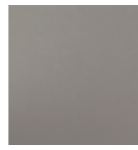
Rigid metal
(Champagne gold)

The printcolor can be differnt front the axctual object



GP-G02

- CEILING** BLACK Hairland SUS +Silver Hairlane SUS +LTE
- CAR DOOR** Silver Hairline SUS+Laser Marking
- FRONT WALL** BLACK Hairland SUS
- SIDE WALL** Silver Hairline SUS+Black Hairland Cop
- REAR WALL** White mirror +Black Hairline cop
- HANDRAIL** Black Hairline Flat Rall
- FLOOR** Black marble



The printcolor can be differnt front the axctual object



GP-G05

- CAR DOOR** Silver Hairland SUS +LED
- FRONTWALL** Silver Hairland SUS
- SIDE WALL** Stamped Silver Hairline SUS+Gold mirror sus
- REAR WALL** Stamped Silver Hairline SUS+Gold mirror sus+White Mirror
- HANDRAIL** Silver Hairline Flat Hand Rail
- FLOOR** Black Granit



The printcolor can be differnt front the axctual object



GP-G06

- CEILING** Option Type STS Inco Black Mirror+LED (LED Halogen+Steel Painted (white))
- CAR DOOR** STS Inco Black Hairline+Laser Marking (Pattern)
- FRONT WALL** STS Inco Black Hairline+ Cl+SB+COP+02-D(STS TiBlack Hairline)
- SIDE WALL** Wood+STS Gold Trim +STS Mirror
- REAR WALL** Wood+STS Gold Trim +STS Mirror
- HANDRAIL** HR-01(STS ion Gold Polishing Pipe)
- FLOOR** Marble (by local)



The printcolor can be differnt front the axctual object



GP-G03

- CEILING** Silver Hairland SUS+Blackmirror SUS+light line
- CAR DOOR** Silver Hairlane SUS
- FRONT WALL** Silver Hairlane SUS
- SIDE WALL** Silver Hairlane SUS+BLACK Glass
- REAR WALL** Silver Hairlane SUS+BLACK mirror
- HANDRAIL** Silver Hairlane SUS Round Hand Rall
- FLOOR** Black Granit



The printcolor can be differnt front the axctual object



GP-G04

- CEILING** BLACK Hairland SUS+light line
- CAR DOOR** BLACK Hairlane SUS+Laser Marking
- FRONT WALL** BLACK Hairlane SUS+Laser Marking
- SIDE WALL** BLACK Hairlane SUS+Laser Marking+cop
- REAR WALL** BLACK Hairlane +Black Glass
- HANDRAIL** Flat Black Hairline Hand Rall
- FLOOR** Black Star Galaxy Granit



The printcolor can be differnt front the axctual object



GP-G07

- CEILING** Non Standard (STS3S Vibration+Acrylic)
- CAR DOOR** STS 3S Vibration
- FRONT WALL** STS Mirror+CL-SB+COP-02D+STS3S Vibration (Transom)
- SIDE WALL** STS Mirror+STS3S Vibration Mirror Etching+Marble
- REAR WALL** STS Mirror+STS3S Vibration Mirror Etching+Marble
- HANDRAIL** Non Standard (Wood+LED light)
- FLOOR** Marble (by Local)



The printcolor can be differnt front the axctual object



GP-G08

- CEILING** Silver Hairline SUS+LED
- CAR DOOR** Silver Hairline SUS
- FRONT WALL** Silver Hairline SUS
- SIDE WALL** Silver Hairline SUS+Colored Mirror
- REAR WALL** Silver Hairline SUS+White Mirror
- HANDRAIL** Black Hairline Round Hand Rall on 3Walls
- FLOOR** Royal Blue Granite



The printcolor can be differnt front the axctual object



Cabin Decorations





GD-G01

- CEILING** BLACK Hairline SUS+LED
- CAR DOOR** BLACK Hairline SUS+Laser Marking
- FRONT WALL** BLACK Hairline SUS
- SIDE WALL** BLACK Hairline +Laser Marking+COP
- REAR WALL** BLACK Hairline SUS+White Mirror
- HANDRAIL** Solid Black Round Hand Rall
- FLOOR** Black Star Galaxy Granit

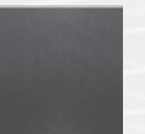


The printcolor can be differnt front the axctual object



GD-G01

- CEILING** CS-S1 HEIGHT:70mm, STS Polishing Mirror +STSHairline+LED
Blac Painted Stell
- CAR DOOR** PCM (Deep Grey)
- FRONT WALL** PCM (Deep Grey) +CL-SB+COP- 02D (Black)
- SIDE WALL** PCM (Deep Grey) +PCM(Sapiano)
- REAR WALL** PCM (Deep Grey) +PCM(Sapiano)+Laser Marking (Logo)
- HANDRAIL** HR-01 (STS Polishing Pipe)
- FLOOR** Deco tile (DT 17-)



The printcolor can be differnt front the axctual object

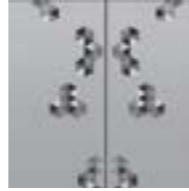


Cabin Decorations



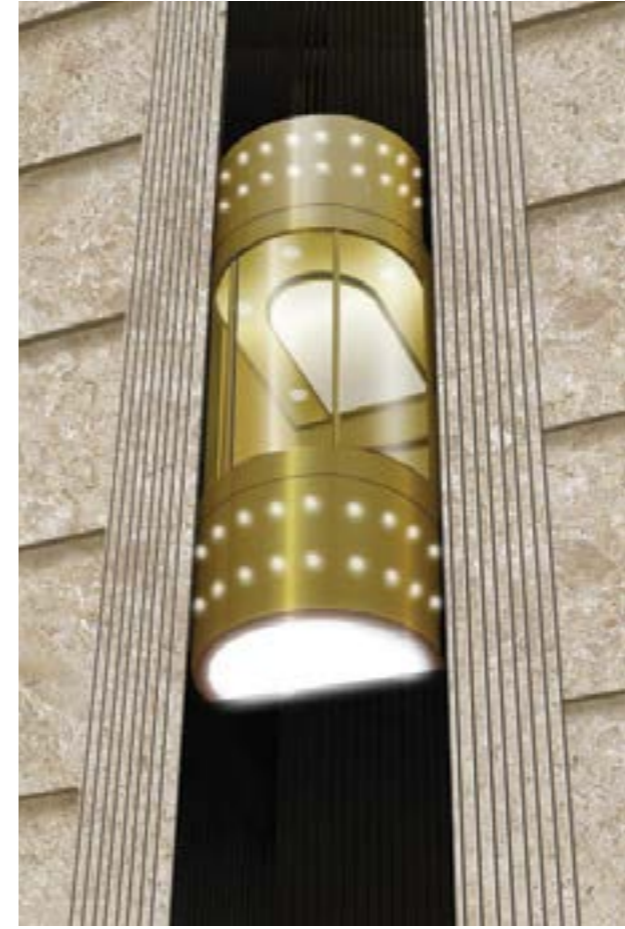


GS-G09
Laser Marking (LM-01)



CEILING	CS-04 (STS Hairline +Acrylic +LED)
CAR DOOR	STS Mirror +Laser Marking (LM01-)
FRONT WALL	STS1 Mirror1+COP- 02D
SIDE WALL	STS Mirror+Laser Marking (LM01-)+ Glass
REAR WALL	STSMirror+ Glass
HANDRAIL	HR01- (STS Polishing Pipe)
FLOOR	Deco tile (DM02-)

The printcolor can be differnt front the axctual object



GS-G08
Laser Marking (LM-05)



CEILING	Option Type (STS Ion Gold Mirror +Acrylic +LED)
CAR DOOR	STS Ion Gold Mirror +Laser Marking (LM05-)
FRONT WALL	STS Ion Gold Mirror +CI- 13X+COP- 03D
SIDE WALL	STS Ion Gold Mirror+Laser Marking (LM05-)
REAR WALL	STS Ion Gold Mirror+ Glass
HANDRAIL	HR-01 (STS Gold Polishing Pipe)
FLOOR	Marble (by Local)

The printcolor can be differnt front the axctual object





GS-G01



GS-G04



GS-G02



GS-G05



GS-G03



GS-G07



EP700 EP800 EP900 EP2300 EP1500 EP2000 EP1300



EP715 Dublex EP135 Dublex Classic Dublex EP145 Dublex EP7007 Dublex



EP7005 EP715 EP135 EP145 EP920 LCD EP920 7Segment EP995 EP1310 EP970 EP1550

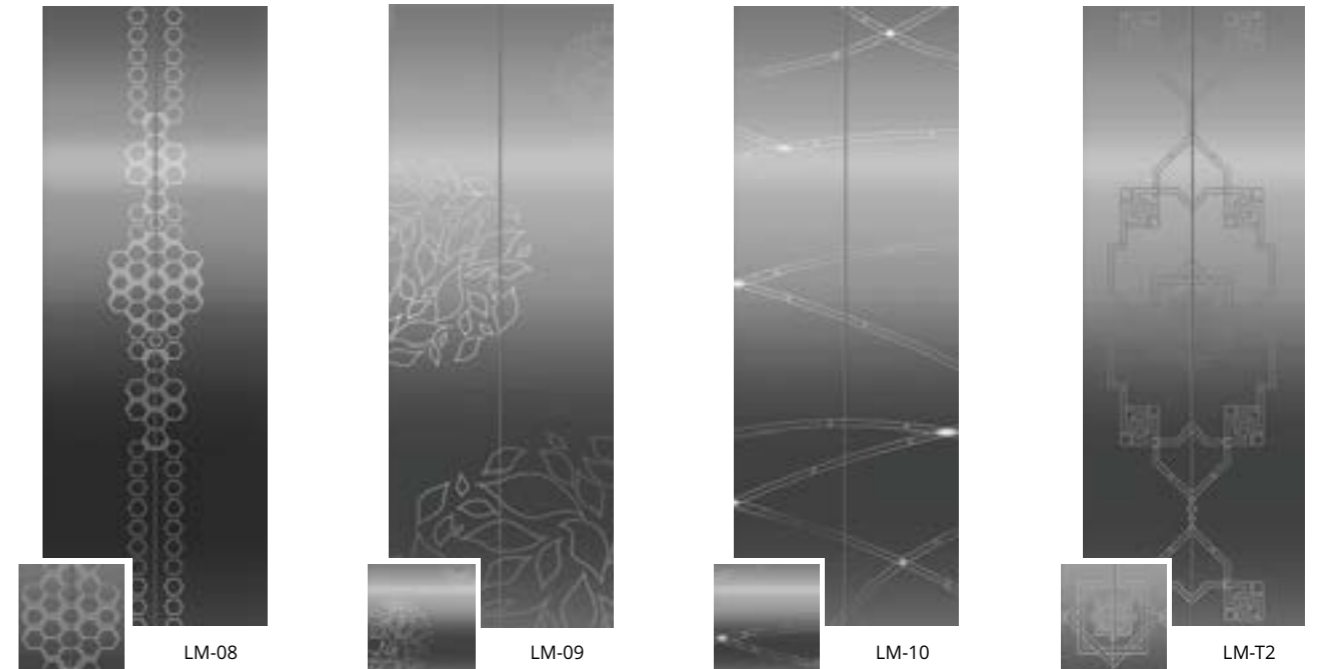
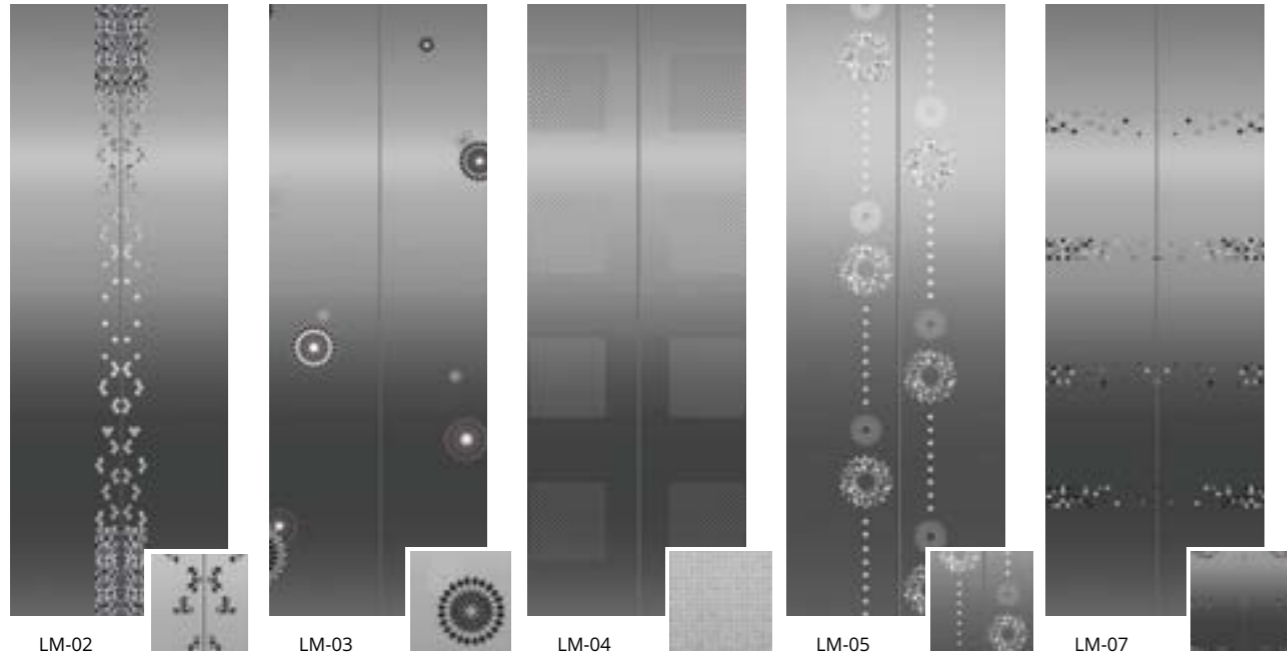


HALL DOOR	STS Hairline	HALL DOOR	STS Hairline +LM-T2	HALL DOOR	fabric Metal	HALL DOOR	PCM(wood)
JAMB	J-101(Narrow Jamb)	JAMB	J-301(Wide Jamb Without Transom Panel)	JAMB	J-101(Narrow Jamb)	JAMB	J-101(Narrow Jamb)
HALL BUTTON	HALL BUTTON	HALL BUTTON	HALL BUTTON	HALL BUTTON	HIB-SM2	HALL BUTTON	HIB-SW2

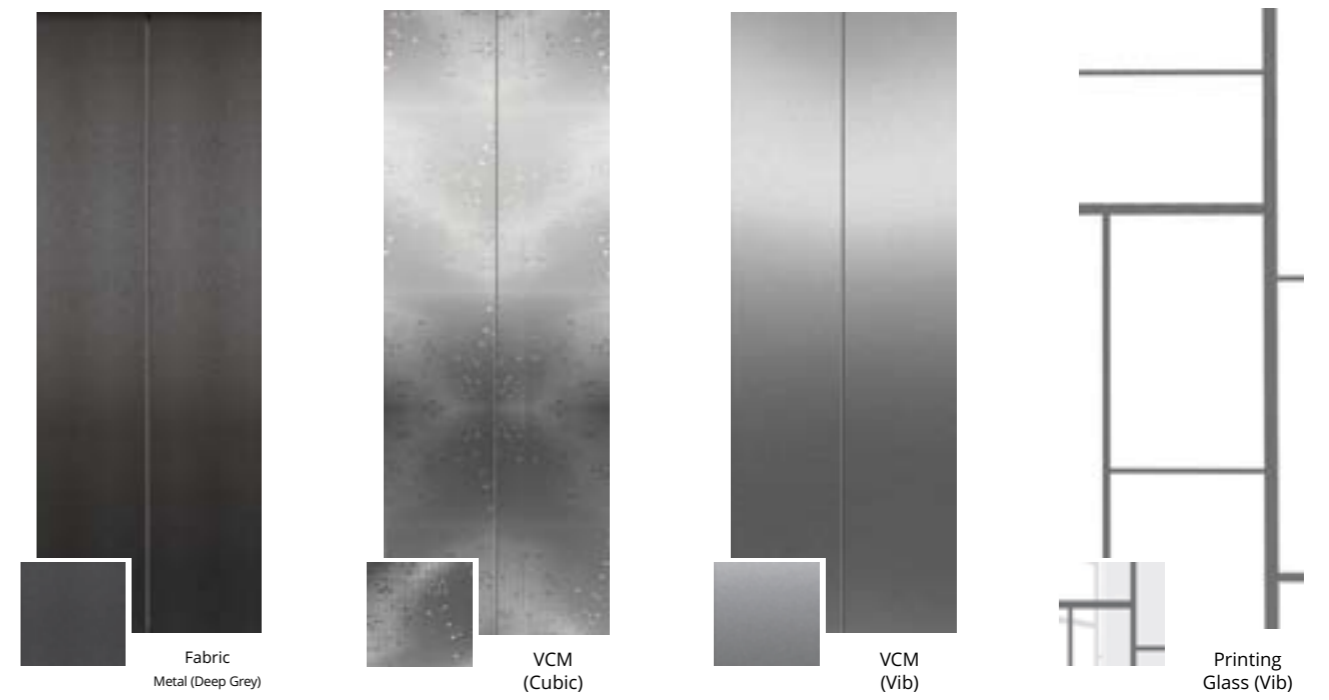
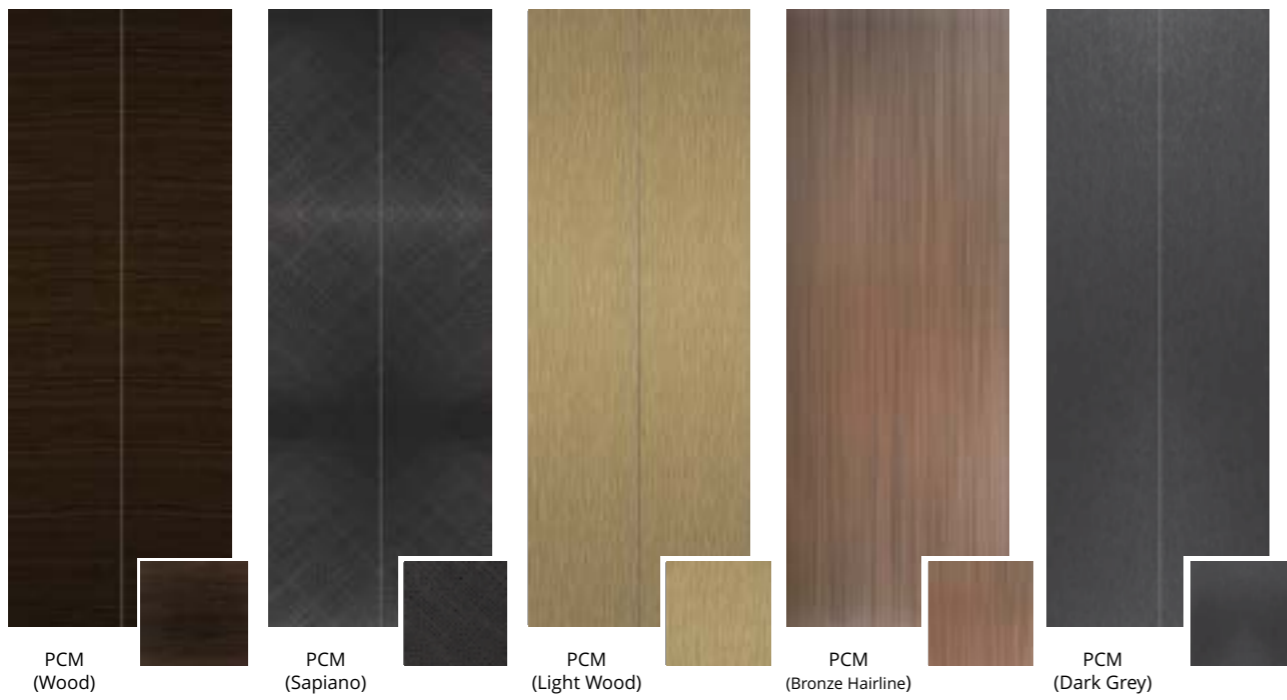


HALL DOOR	STS Hairline+LM-02	HALL DOOR	STS Inco Black Hairline + LM-03	HALL DOOR	STS Mirror + LM - 01
JAMB	J-311(Wide Jamb With Transom panel)	JAMB	J-311(Wide Jamb With Transom panel)	JAMB	J-Special (Wide Jamb With Transom panel)
CPI	HI-10X	CPI	HI-SB	CPI	HI-13X
HALL BUTTON	HB-02/Foot button	HALL BUTTON	HB-SB2 / Foot button(Ti Black)	HALL BUTTON	HB-02
				HALL LANTEAN	HIL-01R

■ Laser Marking



■ PCM





CS-05



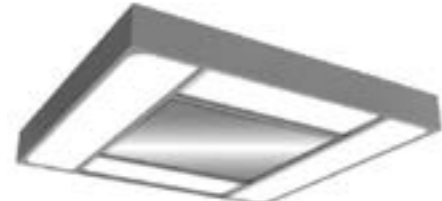
CS-06



CS-07



CS-08



CS-21



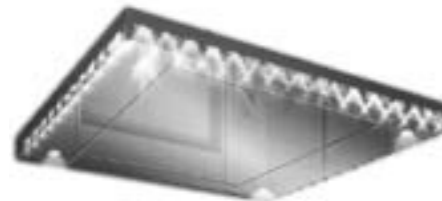
CS-23S
(RGB Color LED)



CS-92



CS-L2



CS-L3



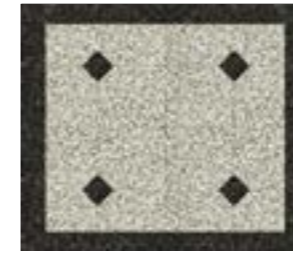
CS-S1
(Slim Type: 70mm)



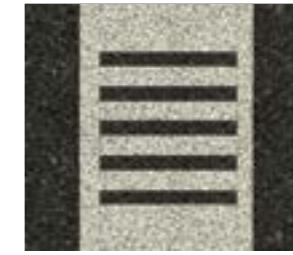
CS-S2
(Slim Type: 50mm)



CS-S3
(Slim Type: 70mm)



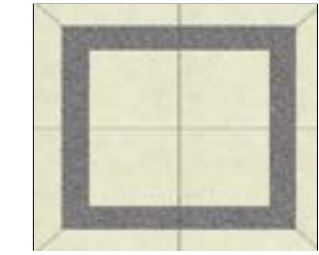
DM-01



DM-02



DM-03



DM-04



DM-05



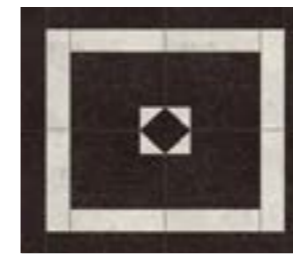
DM-07



DM-08



DT-07



DT-09



DT-10



DT-10



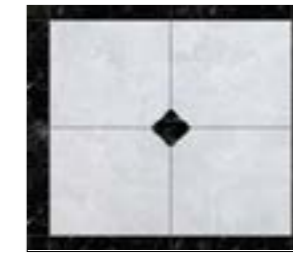
DT-13



DT-15



DT-16



DT-17



DT-18

Machine Room (MR) Lifts



We provide packages for machine room projects with different capacity ,speed and car travel. Now our experience and technical team allow us to develop every building with different purposes such as :Residential ,Commercial Buildings and Hospital

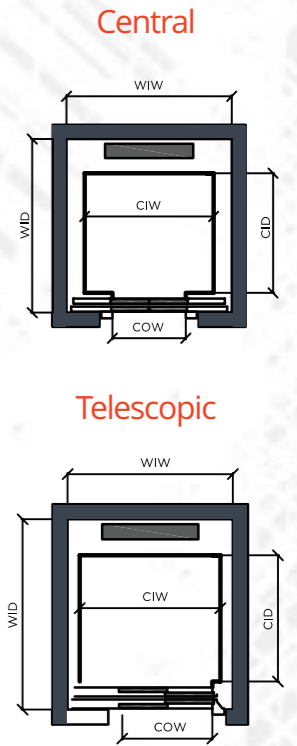
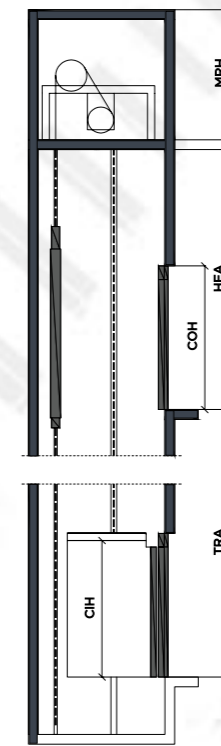
Behran MR Series Machine Room Complete System

Rated Load	Kg	320	450	630	800	1,000	1,350	1,600
Number of persons		4	6	8	10	13	18	21
Rated Speed	m/s	up to 3 m/s						
Machine Room		above the shaft						
Door Type		Telescopic, Right, Left, Central						
Nr. of Car Entrances		1 Entrance or 2 Entrances						
Door Clear Opening		800 / 900 / 1000 / 1100 / 1200 / 1300						
Door Clear Height		2000 / 2100 / 2200						
Max Nr. of Stops		35						
Max. Travel	cm	11500						
min. Headroom	cm	360						
min Pit Depth	cm	140						

Motor Options



Door Options



Behran MR General Dimensions

Machine Room Less (MRL) Lifts

Behran offers suitable solutions for using elevators in projects that can not provide sufficient and suitable space to build a machine room. Elevators with low, medium, high capacity and different speeds that can be used in residential and commercial projects.

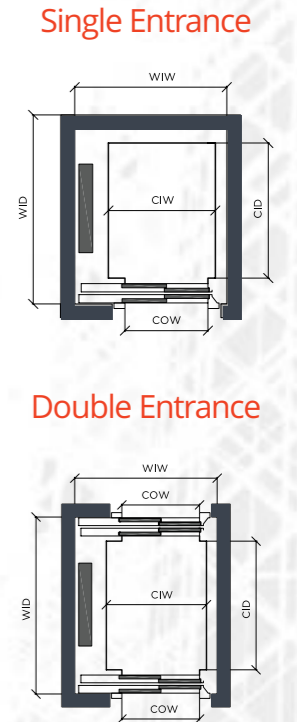
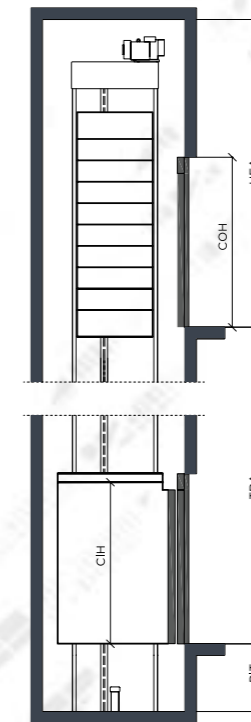
Behran MRL Series Machine Room-Less Complete System

Rated Load	Kg	320	450	630	800	1,000	1,350	1,600
Number of persons		4	6	8	10	13	18	21
Rated Speed	m/s	up to 3.0 m/s						
Machine Room		without						
Door Type		Telescopic, Right, Left, Central						
Nr. of Car Entrances		1 Entrance or 2 Entrances						
Door Clear Opening		800 / 900 / 1000 / 1100 / 1200 / 1300						
Door Clear Height		2000 / 2100 / 2200						
Max Nr. of Stops		35						
Max. Travel	cm	11500						
min. Overhead	cm	380						
min Pit Depth	cm	140						

Motor Options



Door Options



Behran MR General Dimensions



Elevator Gearbox Motors



SZUTEST 
Accredited Inspection Company

Superb Technical Features

Worm Shaft & Gear



5 Micron Ultra-Precision
CNC Machining

Shaft



Hardened Worm Shaft

Bearings



Heavy Duty Bearings
High Grade

Super Strength



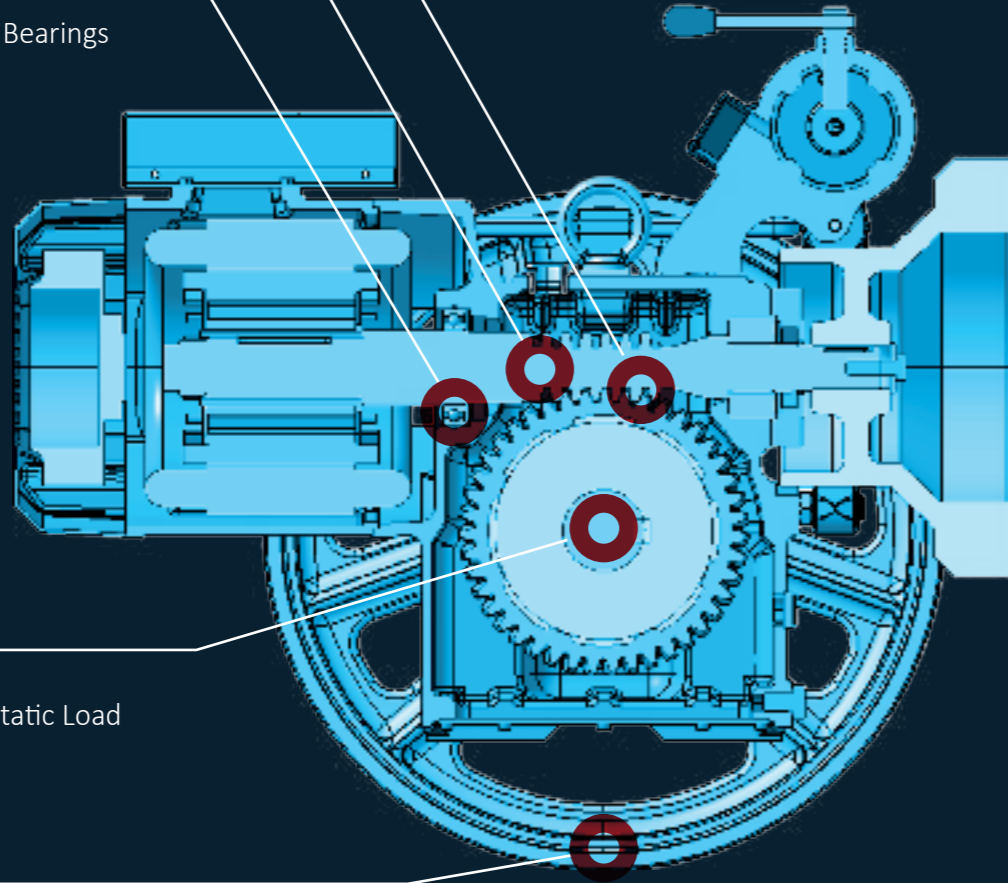
Ultra High Static Load

Motor Pulley



Special Impact/Wear/Fatigue-Resistant
Graphite-Rich Ductile Cast Iron

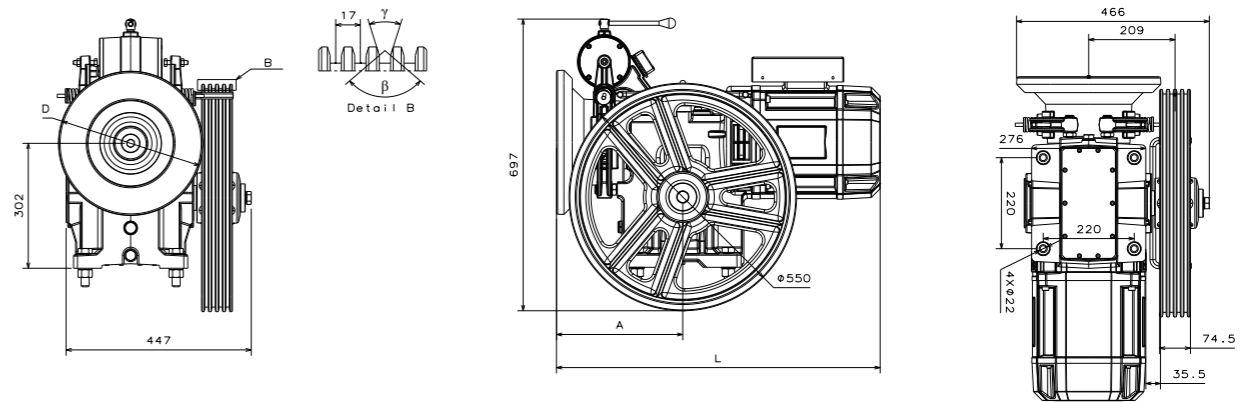
BL 240 Series
BL 245 Series
BL 260 Series
BL 265 Series
BL 280 Series



BL240 Series



Dimensions



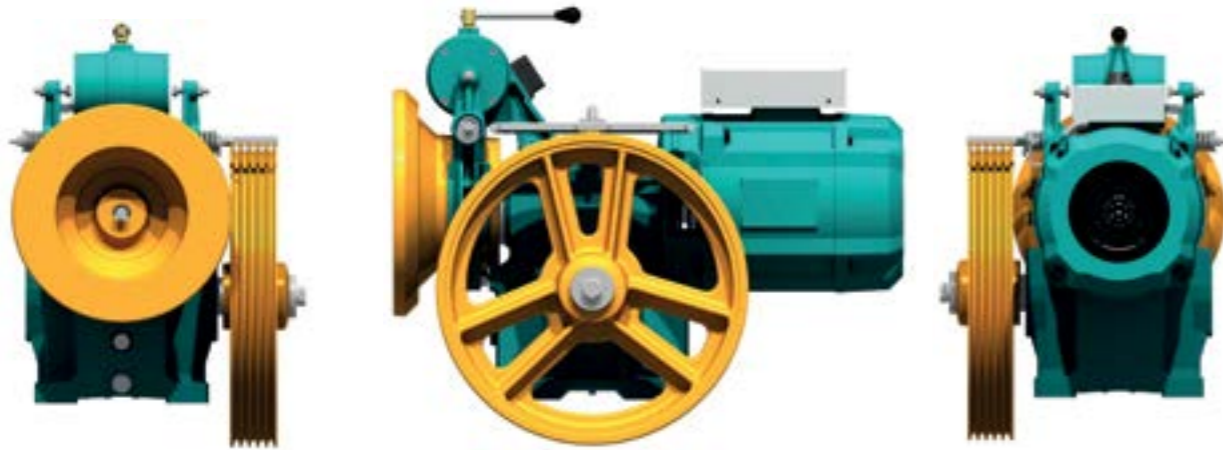
BL 240 Series

Type	Order No.	Motor Type	MOTOR SPECIFICATION													GEARBOX SPECIFICATION															
			Power (Kw)		Speed (rpm)		Current			Freq. (Hz)	Voltage (V)	Poles Qty.	ED%	Max. Start Per Hour	Load (kg)	Max. Speed (m/s)	Max. Static Load (kg)	Traction Sheave Dia. (mm)	Groove Angle (°)	Undercut Angle (°)	Rope Dia. (mm)	Rope Qty.	Gearbox Ratio	Efficiency %		L (mm)	A (mm)	D (mm)			
			low	high	low	high	In	Ist	Cos φ															Motor Efficiency (η _m)	Gearbox Efficiency (η _g)						
BL240	BE014155A110	AC2	5.5	300	1470	7.5	13.9	13	44.6	0.55	0.75	50	380	4/16	40	180	450	1	2700	550	35	103	10	4	1/43	75	80	806	329	Ø324	
	BE014161A110	AC2	6.1	310	1470	8.5	15	11.9	47.5	0.55	0.75	50	380	4/16	40	180	500	1	2700	550	35	103	10	4	1/43	75	80	806	329	Ø324	
	BE014155V110	VVVF	5.5		1470		10.8		68		0.81		50	380	4	40	240	450	1	2700	550	35	103	10	4	1/43	76	80	780	305	Ø349
	BE014161V110	VVVF	6.1		1470		12.2		74		0.81		50	380	4	40	240	500	1	2700	550	35	103	10	4	1/43	76	80	780	305	Ø349

● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

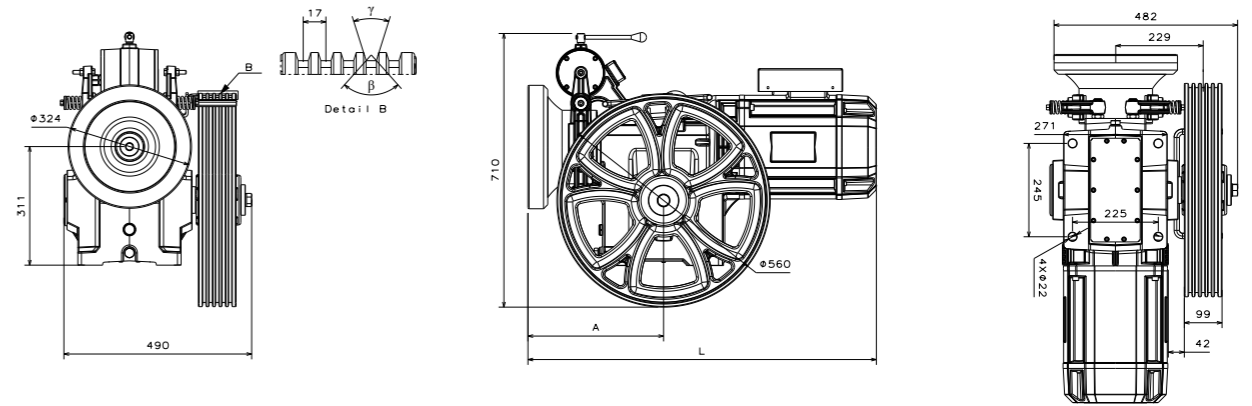
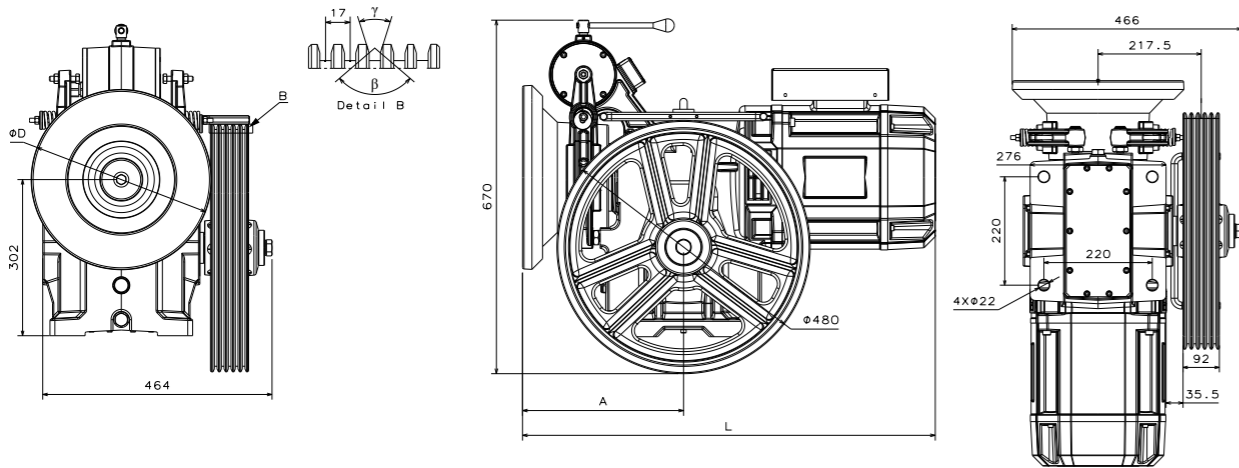
BL245 Series

BL260 Series



Dimensions

Dimensions



BL 245 Series

BL 260 Series

Type	Order No.	Motor Type	Power (Kw)	MOTOR SPECIFICATION										GEARBOX SPECIFICATION															
				Speed (rpm)		Current			Freq. (Hz)	Voltage (V)	Poles Qty.	ED%	Max. Start Per Hour	Load (Kg)	Max. Speed (m/s)	Max. Static Load (Kg)	Traction Sheave Dia. (mm)	Groove Angle (°)	Undercut Angle (°)	Rope Dia. (mm)	Rope Qty.	Gearbox Ratio	Efficiency %		L (mm)	A (mm)	D (mm)		
				low	high	In	Ist	Cosφ															Motor Efficiency(ηm)	Gearbox Efficiency(ηg)					
BL245	BE012161V110	VVVF	6.1	1460	12.2	74	0.81	50	380	4	40	240	525	1	2700	480	35	103	10	5	2/71	76	80	780	305	ø349			
	BE012161A110	AC2	6.1	310	1460	8.5	15	11.9	47.5	0.55	0.75	50	380	4/16	40	180	525	1	2700	480	35	103	10	5	2/71	75	80	806	329

Type	Order No.	Motor Type	Power (Kw)	MOTOR SPECIFICATION										GEARBOX SPECIFICATION															
				Speed (rpm)		Current			Freq. (Hz)	Voltage (V)	Poles Qty.	ED%	Max. Start Per Hour	Load (Kg)	Max. Speed (m/s)	Max. Static Load (Kg)	Traction Sheave Dia. (mm)	Groove Angle (°)	Undercut Angle (°)	Rope Dia. (mm)	Rope Qty.	Gearbox Ratio	Efficiency %		L (mm)	A (mm)			
				low	high	In	Ist	Cosφ															Motor Efficiency (ηm)	Gearbox Efficiency (ηg)					
BL260	BE016173A210	AC2	7.3	310	1470	11	18.5	16	64	0.55	0.8	50	380	4/16	40	180	630	1	3100	560	35	103	10	5	1/44	78	80	915	356
	BE016173V210	VVVF	7.3	1470	15	95	0.82	50	380	4	40	240	630	1	3100	560	35	103	10	5	1/44	80	80	834	332				
	BE016173V316	VVVF	7.3	1440	15	95	0.82	50	380	4	40	240	450	1.6	3100	560	35	103	10	5	2/53	80	89	891	332				
	BE016192V316	VVVF	9.2	1440	17.6	90	0.86	50	380	4	40	240	630	1.6	3100	560	35	97	11	5	2/53	81	89	891	332				

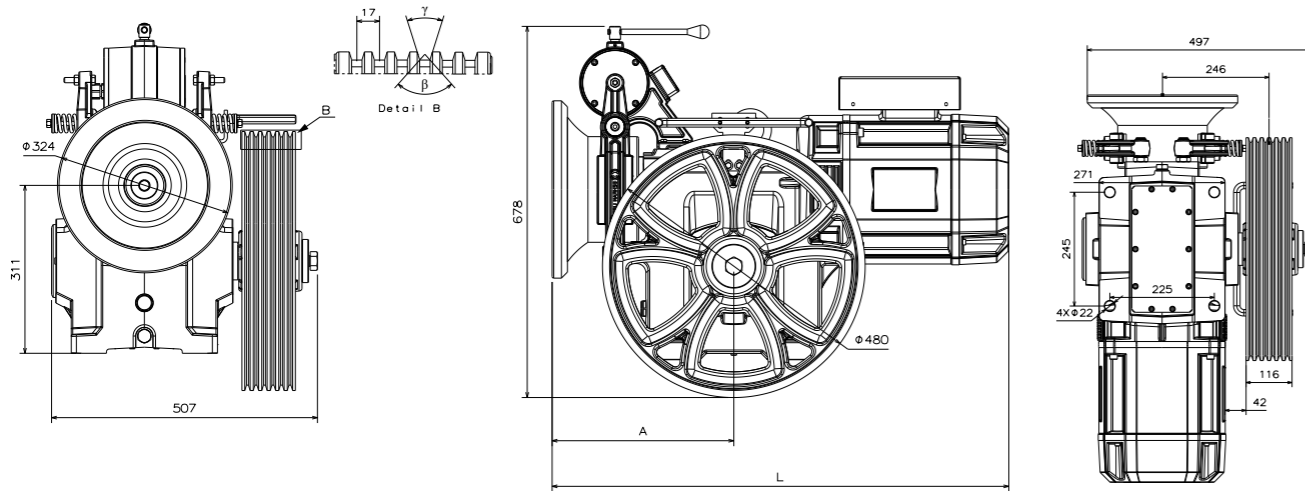
● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

BL265 Series



Dimensions



BL 265 Series

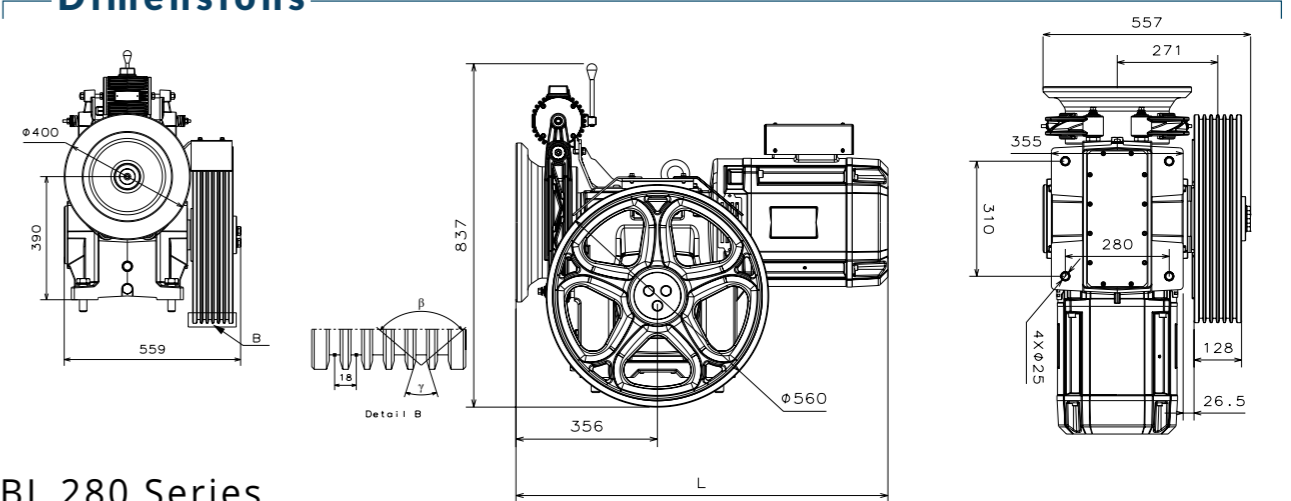
Type	Order No.	Motor Type	Power (Kw)	MOTOR SPECIFICATION										GEARBOX SPECIFICATION														
				Speed (rpm)		Current			Freq. (Hz)	Voltage (V)	Poles Qty.	ED%	Max. Start Per Hour	Load (Kg)	Max. Speed (m/s)	Max. Static Load (Kg)	Traction Sheave Dia. (mm)	Groove Angle (°)	Undercut Angle (°)	Rope Dia. (mm)	Rope Qty.	Gearbox Ratio	Motor Efficiency(ηm)	Gearbox Efficiency(ηg)	L (mm)	A (mm)		
				low	high	In	Ist	Cos φ																				
				low	high	low	high	low	high																			
BL265	BE011173V210	VVVF	7.3	1460	15	95	0.82	50	380	4	40	240	750	1	3300	480	35	103	11	6	2/71	80	80	834	332			
	BE011173A210	AC2	7.3	310	1460	11	18.5	16	64	0.55	0.8	50	380	4/16	40	180	750	1	3300	480	35	103	11	6	2/71	80	80	915

● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

BL280 Series



Dimensions



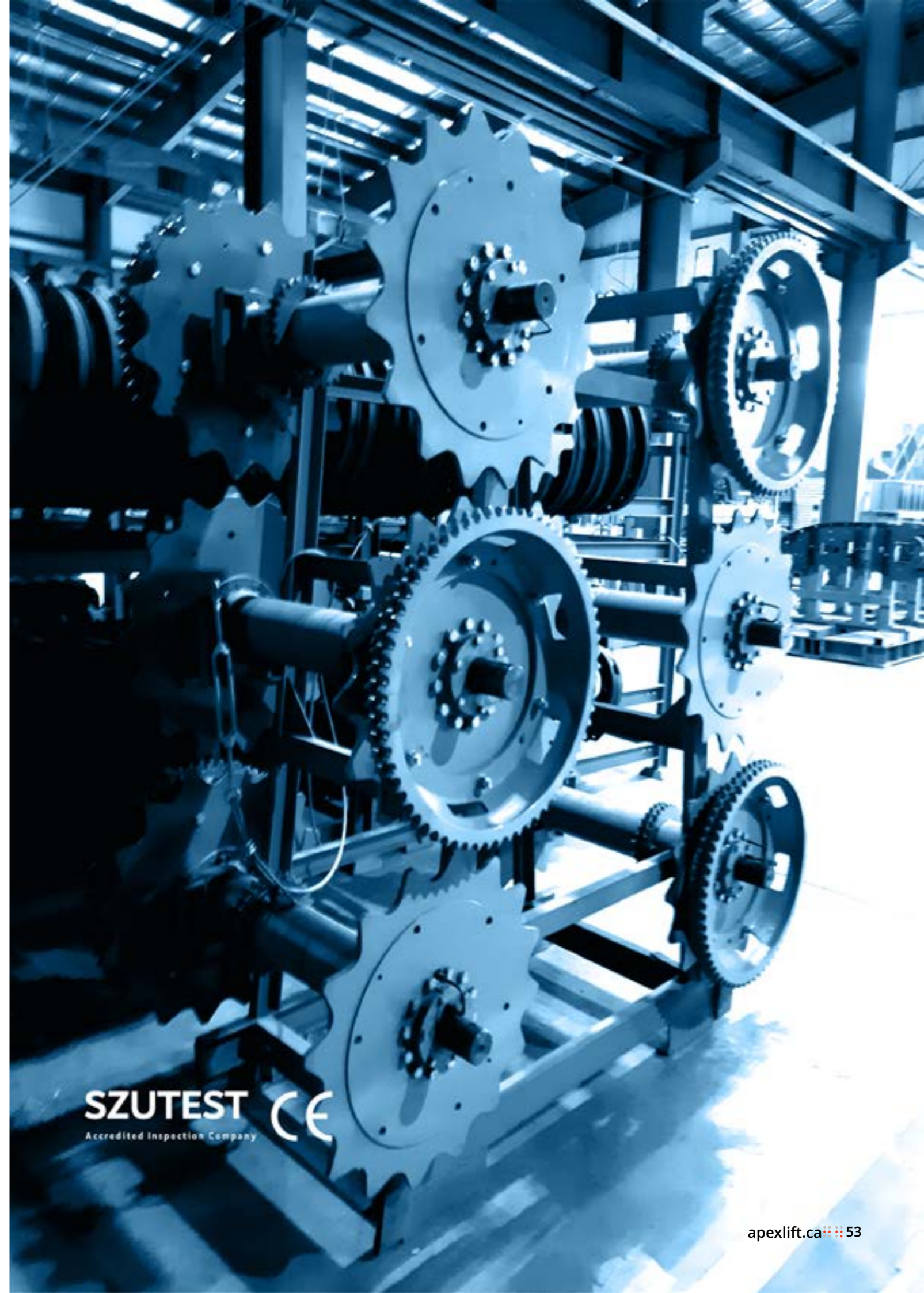
BL 280 Series

Type	Order No.	Motor Type	Power (kw)	MOTOR SPECIFICATION										GEARBOX SPECIFICATION											
				Speed (rpm)		Current			Freq. (Hz)	Voltage (V)	Poles Qty.	ED%	Max. Start Per Hour	Load (Kg)	Max. Speed (m/s)	Max. Static Load (Kg)	Traction Sheave Dia. (mm)	Groove Angle (°)	Undercut Angle (°)	Rope Dia. (mm)	Rope Qty.	Gearbox Ratio	Motor Efficiency (ηm)	Gearbox Efficiency (ηg)	L (mm)
				low	high	In	Ist	Cos φ																	
				low	high	low	high	low	high																
BL280	BE018192V210	VVVF	9.2	1470	17.6	90	0.86	50	380	4	40	240	975	1	5000	560	35	97	12	5	1/44	89	85	976	
	BE018182V210	VVVF	11.2	1470	22	90	0.88	50	380	4	40	240	1200	1	5000	560	35	97	12	6	1/44	89	85	976	
	BE018192V316	VVVF	9.2	1440	17.6	90	0.86	50	380	4	40	240	750	1.6	5000	560	35	97	12	5	2/53	89	89	976	
	BE018182V316	VVVF	11.2	1440	22	90	0.88	50	380	4	40	240	850	1.6	5000	560	35	97	12	5	2/53	89	89	976	
	BE0181D2V316	VVVF	13.2	1440	25	120	0.9	50	380	4	40	240	975	1.6	5000	560	35	97	12	5	2/53	89	89	976	
	BE0181F2V316	VVVF	15.2	1440	30	120	0.9	50	380	4	40	240	1200	1.6	5000	560	35	97	12	6	2/53	89	89	976	

● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability



Escalator Gearbox Motors



SZUTEST 
Accredited Inspection Company

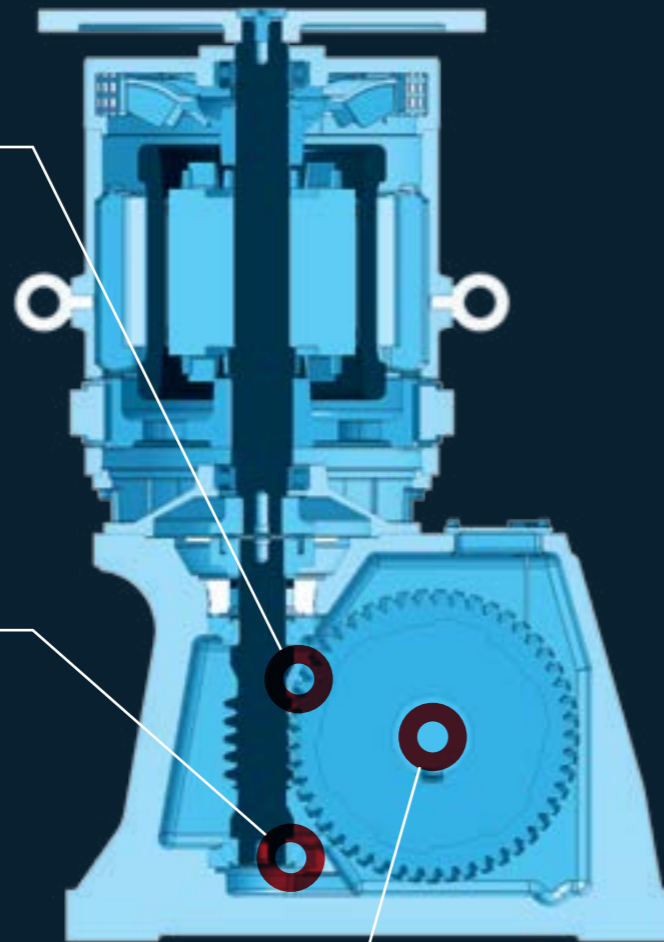
Superb Technical Features

BS140 Series
BS160 Series

Worm Shaft & Gear



5 Micron Ultra-Precision
CNC Machining



Bearings



Heavy Duty Bearings
High Grade

Super Strength

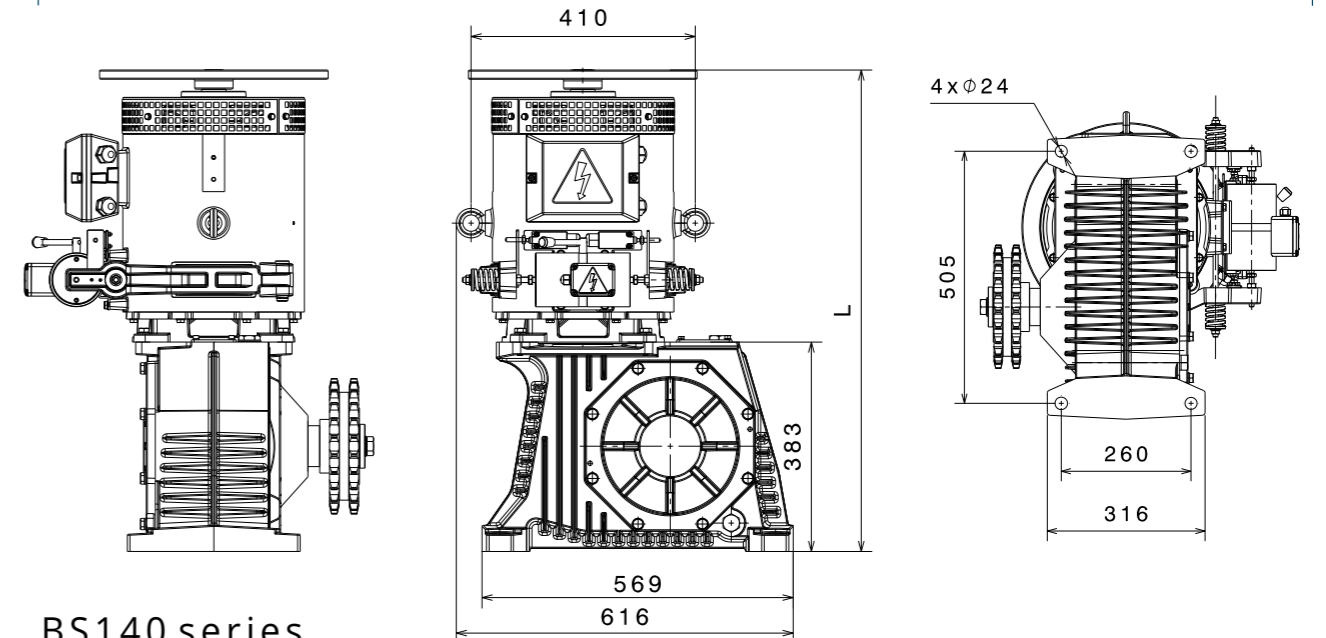


Ultra High Strength

BS140 Series



Dimensions



BS140 series

Order No.	Motor Type	Power (Kw)	Speed (rpm)	current			Freq. (Hz)	Voltage (V)	Poles Qty	ED%	Ins. Class	Brake Voltage (V)	IP
				In (A)	Ist (A)	Cos Φ							
				-	VVF	5.5							
BE031175AAXX	VVF	7.5	960	16	85	0.77	50	380	6	S1	F	AC220	21
BE0311B0AAXX	VVF	11	960	22	110	0.78	50	380	6	S1	F	AC220	21
-	VVF	15	960	31	129	0.81	50	380	6	S1	F	AC220	21

Dimension	
Power (kw)	L (mm)
5.5 - 7.5	881
11	915
15	-

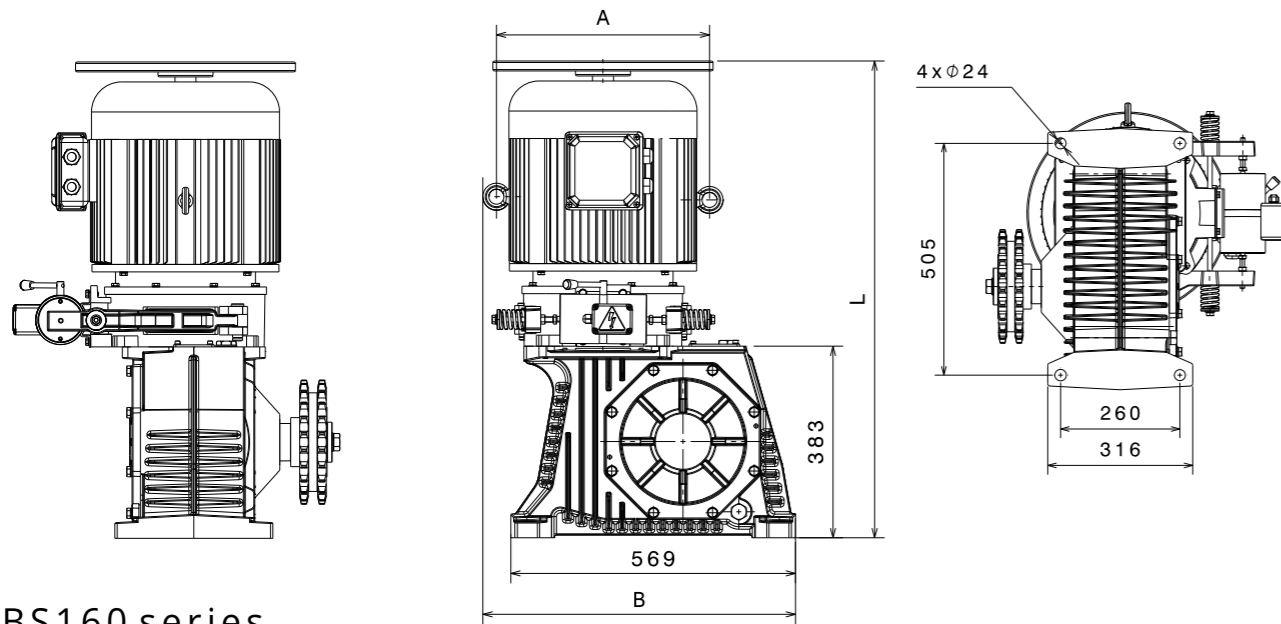
● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

BS160 Series

Elevator Gearless Motors



Dimensions



BS160 series

BS160													Dimensions				
Order No.	Motor Type	Power (Kw)	Speed (rpm)	current			Freq. (Hz)	Voltage (V)	Poles Qty	ED%	Ins. Class	Brake Voltage (V)	IP	Power (kw)	L (mm)	A (mm)	B (mm)
				In (A)	Ist (A)	Cosφ											
-	VVF	5.5	960	12	70	0.75	50	380	6	S1	F	AC220	55	5.5 - 7.5 - 11	861	340	580
-	VVF	7.5	960	16	85	0.77	50	380	6	S1	F	AC220	55	15	901	370	595
-	VVF	11	960	22	110	0.78	50	380	6	S1	F	AC220	55				
BE0321FOAAXX	VVF	15	960	31	129	0.81	50	380	6	S1	F	AC220	55				



- Quiet Operation
- Heavy-Duty construction
- Extreme Reliability



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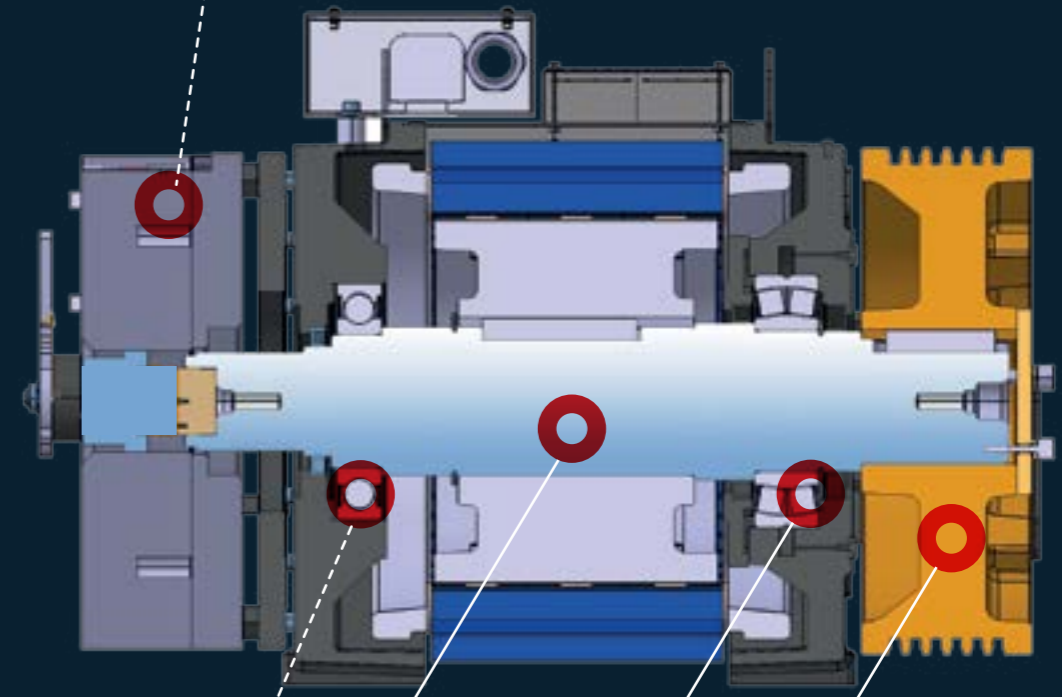
Superb Technical Features

Motor Brake

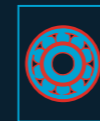


Reliable performance

BM 320 Series
BM 360 Series



Bearings



Heavy Duty Bearings
High Grade

Super Strength

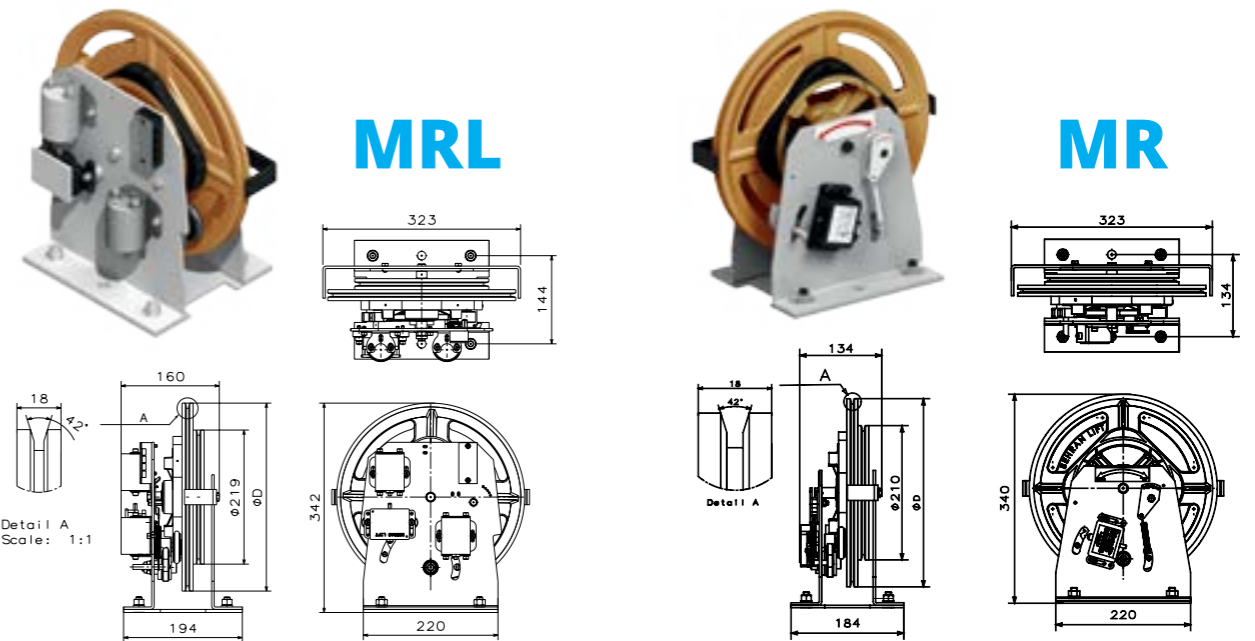


Ultra High Static Load

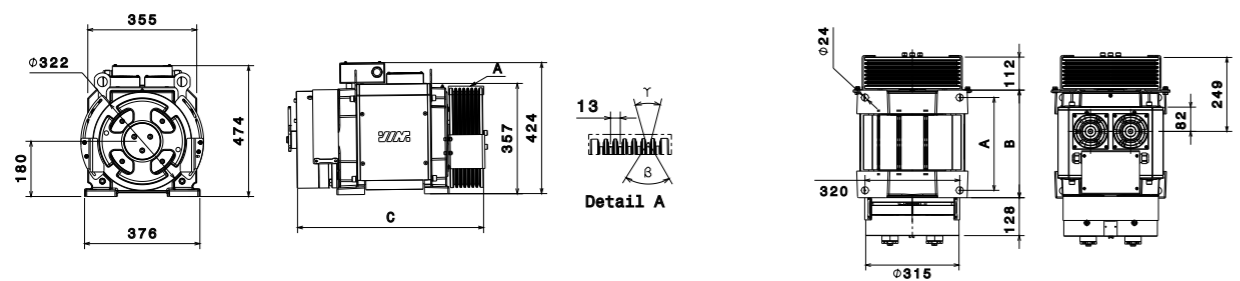
Motor Pulley



Special Impact/Wear/Fatigue-Resistant
Graphite-Rich Ductile Cast Iron



Dimensions



BM Series

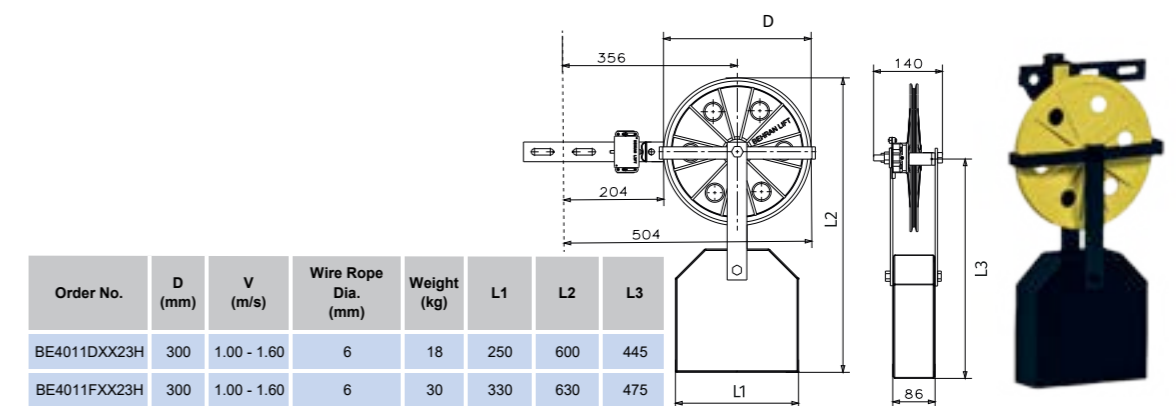
SERIES	Order number	Traction Ratio	Load (kg)	Max. axle load (kg)	Elevator Speed (m/s)	Rated Speed (RPM)	Rated Torque (N.m)	MOTOR				
								Power (Kw)	Voltage (V)	Current (A)	Poles (P)	Frequency (Hz)
BM320	BE0211351028	02:01	480	3500	1.0	119	281	3.5	380	8.8	10	19.8
	BE0211551627	02:01	450	3500	1.6	191	275	5.5	380	12.2	10	31.8
	BE0211451036	02:01	630	3500	1.0	119	361	4.5	380	11.2	10	19.8
	BE0211681634	02:01	630	3500	1.6	191	340	6.8	380	16.6	10	31.8
	BE0211561045	02:01	800	3500	1.0	119	450	5.6	380	12.0	10	19.8
BM360	BE0211891644	02:01	800	3500	1.6	191	445	8.9	380	19.9	10	31.8
	BE0221691055	02:01	1000	3500	1.0	119	554	6.9	380	14.8	10	19.8
	BE0221A81654	02:01	1000	3500	1.6	191	540	10.8	380	25.0	10	31.8

SERIES	MODEL	BRAKE		Sheave						Weight (Kg)	A	B	C
		Voltage (V)	Brake Torque (N.m)	Diameter (mm)	Rope Dia. (mm)	Rope Qty.	β angle (°)	γ angle (°)	Groove Pitch (mm)				
BM320	BE0211351028	DC 207	2x500	φ 320	φ8	5	95	U/30	13	305	315	365	654
	BE0211551627	DC 207	2x500	φ 320	φ8	5	95	U/30	13	305	315	365	654
	BE0211451036	DC 207	2x500	φ 320	φ8	5	95	U/30	13	305	315	365	654
	BE0211681634	DC 207	2x500	φ 320	φ8	5	95	U/30	13	305	315	365	654
	BE0211561045	DC 207	2x500	φ 320	φ8	6	95	U/30	13	305	315	365	654
BM360	BE0211891644	DC 207	2x500	φ 320	φ8	6	95	U/30	13	305	315	365	654
	BE0221691055	DC 207	2x800	φ 320	φ8	7	95	U/30	13	330	355	405	694
	BE0221A81654	DC 207	2x800	φ 320	φ8	7	95	U/30	13	330	355	405	694

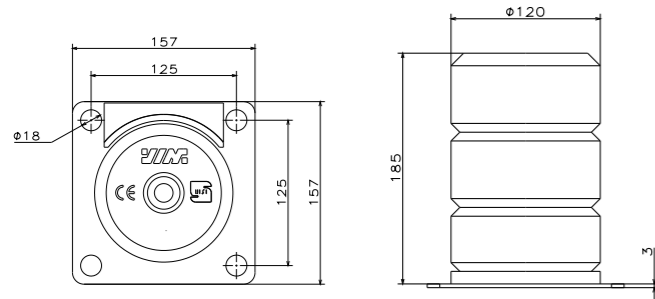
● Quiet Operation ● Heavy-Duty construction ● Extreme Reliability

order No		Operation	D (mm)	Vn (m/s)	Vtr (m/s)		Ve (m/s)		Wire Rope Dia.
MR	MRL				Down	Up	Down	Up	
BE4011UA1630	BE4011UL1630	Unidirectional	300	0.50	0.70	-	0.65	-	6
BE4011UA1730	BE4011UL1730	Unidirectional	300	0.8	0.99	-	0.93	-	6
BE4011UA1130	BE4011UL1130	Unidirectional	300	1.00	1.28	-	1.23	-	6
BE4011UA2130	BE4011UL2130	Bidirectional	300		1.28	1.28	1.23	1.23	6
BE4011UA1230	BE4011UL1230	Unidirectional	300	1.6	1.98	-	1.93	-	6
BE4011UA2230	BE4011UL2230	Bidirectional	300		1.98	1.98	1.93	1.93	6

OVER SPEED GOVERNOR TENTION DEVICE

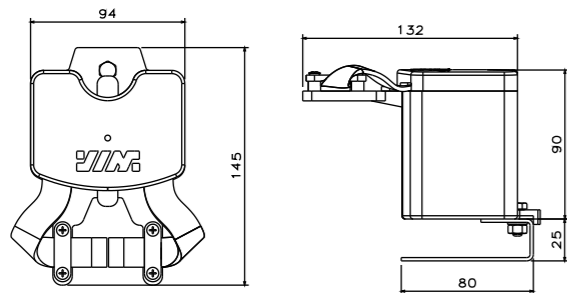


POLYURETHANE BUFFER



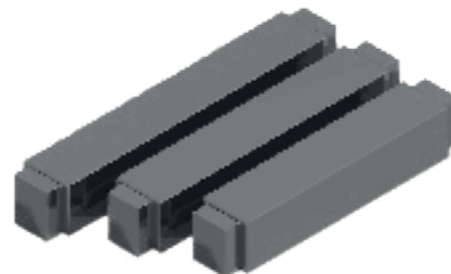
Order No.	P+Q (kg)		Vmax (m/s)
	Min.	Max.	
BE4111P41510	400	1500	1

RAIL LUBRICATOR



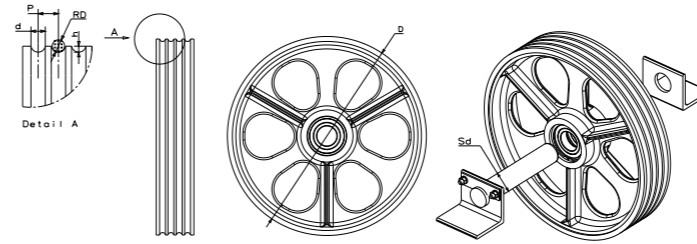
Order No. BE08614590XI

COUNTER WEIGHTS



Order No.	Size	Dimension (mm)				Net Weight (kg)
		L1	L2	H	W	
BE09113A6750	78	780	670	150	150	50
BE09113B7656	86	860	760	150	150	56
BE09113C8666	97	970	860	150	150	66

DEFLECTION PULLEY

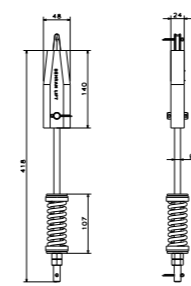


Order NO.	Rope Dia. (Ref)	D	Groove No. n	dh		Shaft Dia. (Std)
	mm					
BE0611XXCX24	6	240	5-6-7-8	7	3	55
BE0611XXCX33	8	320	5-6-7-8	9	4	55
BE0611XX4X40	10	400	4	11	5	40
BE0611XX5X40	10	400	5	11	5	40
BE0611XX5X40	11	440	5	12	5	40
BE0611XXAX44	11	440	4-6	12	5	40
BE0611XXBX48	12	480	4-5-6-7-8	13	6	55
BE0611XXBX52	13	520	4-5-6-7-8	14	6.5	55

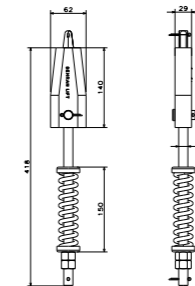
We provide you other size of deflection pulley as soon as possible

WIRE ROPE HOLDER

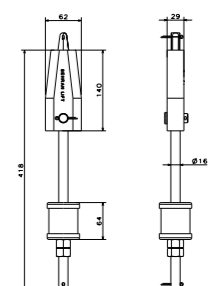
ORDER NO.	Wire Rope Dia. (mm)				Bolt Diameter	Nominal Weight (kg)	Max. Weight (kg)
	6	8	10	11			
BE20410608F1	✓	✓	-	-	M12	3000	4000
BE20411011F1	-	-	✓	✓	M16	6000	7700
BE20411011F2	-	-	✓	✓	M16	6000	7700



BE20410608F1



BE20411011F1

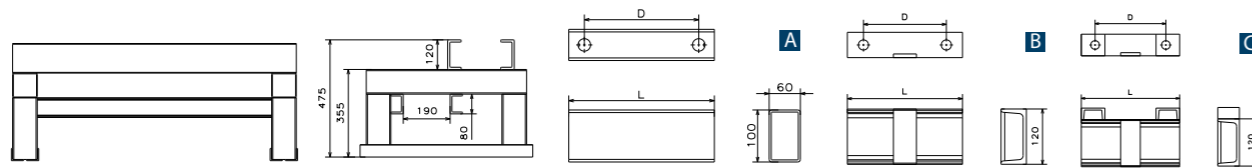
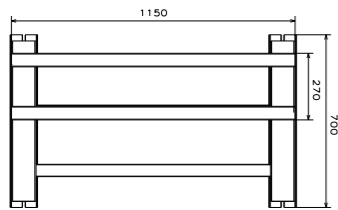


BE20411011F2

MACHINE FRAME

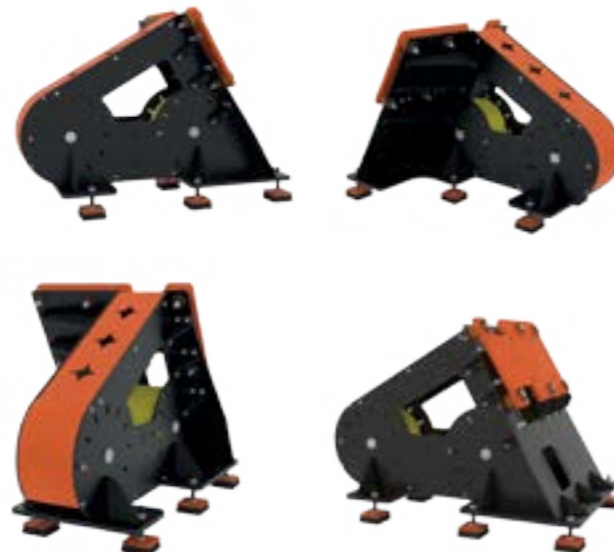
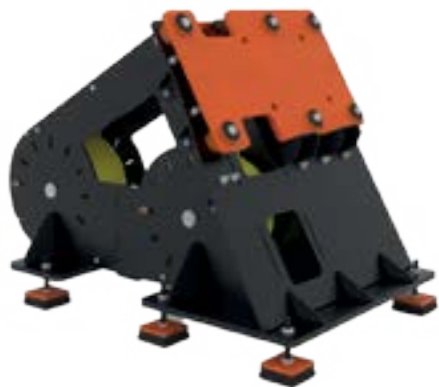


Order No.	Gearbox	Drawing Type	L (mm)	D (mm)																													
BE10201A1XXX	Behran BL240	A	280	220																													
BE10201A2XXX	Behran BL260	A	280	225																													
BE10201A3XXX	Behran BL280	A <td 360	280	BE10201GEXXX	GEM	A	250	180	BE10201SLXXX	SASSI LEO	B	250	150	BE10201SJXXX	SASSI JEKO	B	250	150	BE10201SMXXX	SASSI MF48	B	300	230	BE10201MOXXX	Montanari	B	280	220	BE10201SIXXX	Sicor (Eleccomp)	C	245	180
BE10201GEXXX	GEM	A	250	180																													
BE10201SLXXX	SASSI LEO	B	250	150																													
BE10201SJXXX	SASSI JEKO	B	250	150																													
BE10201SMXXX	SASSI MF48	B	300	230																													
BE10201MOXXX	Montanari	B	280	220																													
BE10201SIXXX	Sicor (Eleccomp)	C	245	180																													



ZIEHL-ABEGG GEARLESS MACHINE FRAME

Order No.	Product
BE10201ZIXXX	sam-machine-frame-product



ROLLER GUIDE SHOES



Order No. CC 08B1250010



Order No. CC 08A1250010



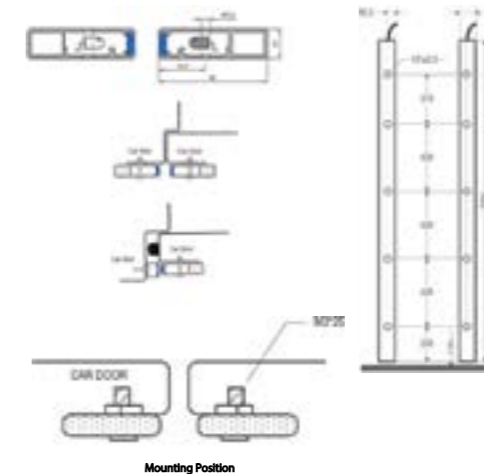
Order No. BE 08B19F0010



Order No. BE 08A19F0010

Roler Guide Shoes	Order Number	max. Nominal Speed		Allowable Gross Mass (kg)
		Cabin Side	CWT Side	
	BE08A19F0010	2.5 m/s	7.0m/s	1,600
	BE08B19F0010	4.0 m/s	7.0 m/s	2,000
	CC08A1250010	2.5 m/s	7.0 m/s	1,600
	CC08B1250010	4.0 m/s	7.0 m/s	2,000

ELEVATOR CAR DOOR DETECTOR



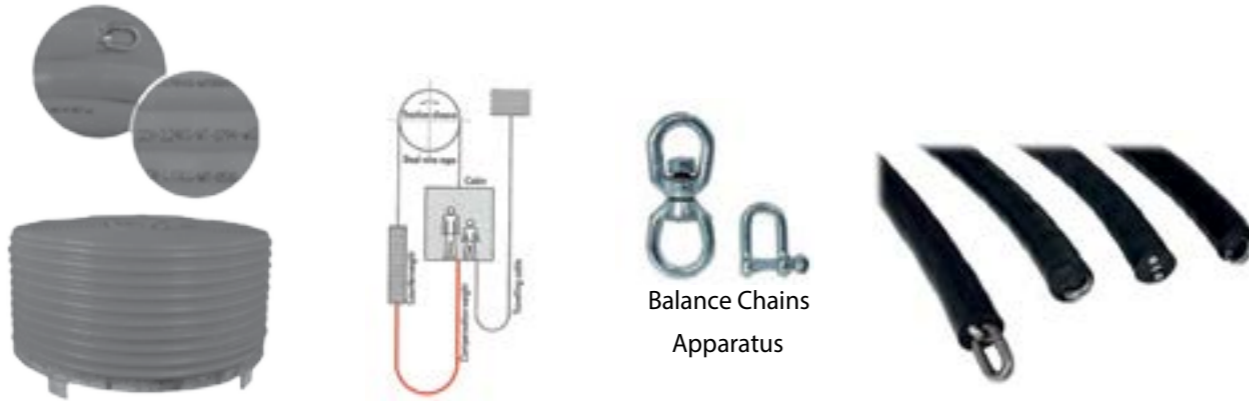
Elevator Car Door Detector -Model BL- B - 32	
Order No.	BE 9041320000
Number of Infrared Diodes	32
Supply Voltage	24V DC
Mechanical Dimensions	10*38*2000 mm
Operating Temperature	- 20 c ~ + 65 c
Detection Height	20 ~ + 1841mm
Scanning Beams	128 Beams
Protection Level	IP54
Detection Range	0 ~ 4m

TRAVELING CABLE



Order No.	Description
BE9012400000	24x0.75mm2
BE9012000000	20x0.75mm2
BE9011800000	18x0.75mm2
BE9011200000	12x0.75mm2
BE9011803010	18x0.75mm2 + 3 x 1.5mm2 + 1 x 0.75PX2

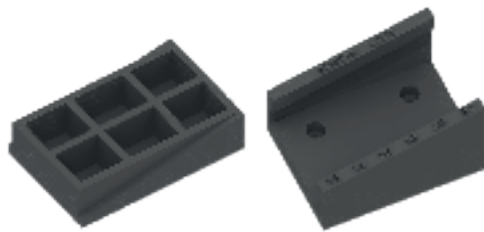
COMPENSATION CHAINS



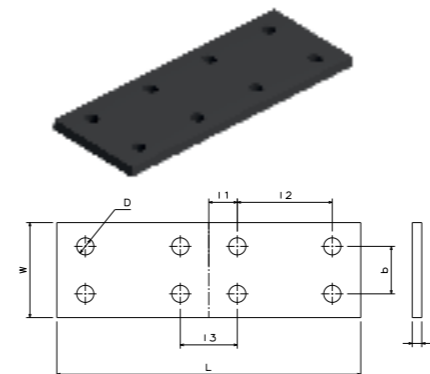
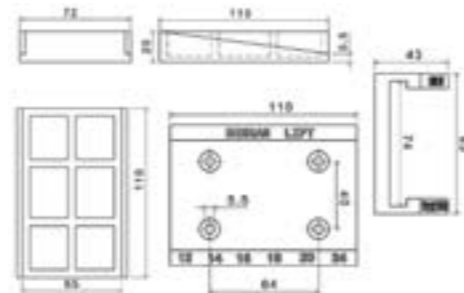
Balance Chains Apparatus

Order No.	type	Unit Weight (kg/m)	External Diameter (mm)	Bending Diameter (mm)	Diameter of Link (mm)	Breaking Load (Kg)	Maximum Hange (mm)
BE0911100224	QL150	2.24± 0.20	32.0±2.3	610.0	7.8± 0.5	≥23.68	130
BE0911200298	QL200	2.98± 0.20	38.0±2.5	660.0	9.5± 0.5	≥29.97	160
BE0911300373	QL250	3.73± 0.20	42.0±2.5	660.0	10.0± 0.5	≥37.00	142
BE0911400447	QL300	4.47± 0.20	44.0±2.5	660.0	11.0± 0.5	≥44.70	153

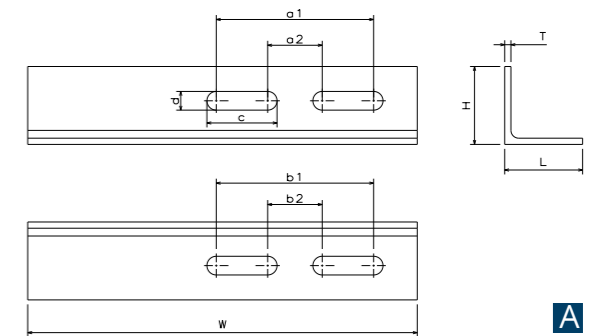
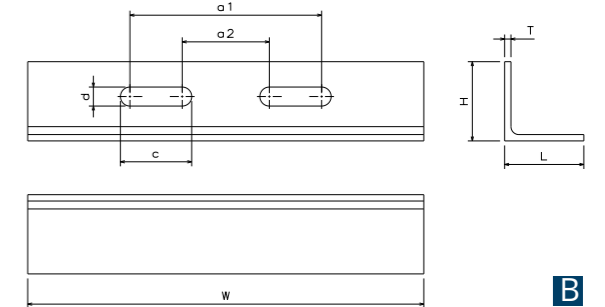
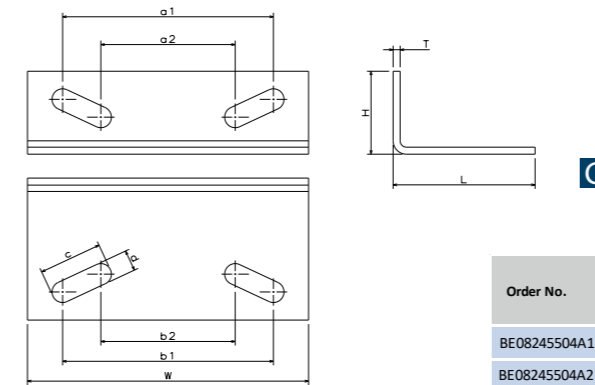
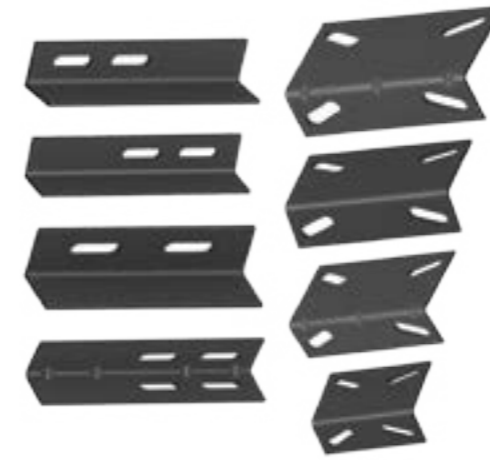
TRAVELING CABLE BRACKET(OS)



Order No.	BE 9021000000
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GUIDE RAIL BRACKETS



Order No.	Guide Rails	Dimension (mm)										Drawing Type
		T	W	L	H	d	c	a1	a2	b1	b2	
BE08245504A1	T45,T50	5	250	50	50	12.5	45	100	35	-	-	A
BE08245504A2	T45,T50	5	250	50	50	12.5	45	-	-	100	35	A
BE08245504A3	T45,T50	5	250	50	50	12.5	45	100	35	100	35	A
BE08270754B1	T70,T75	5	250	50	50	12.5	45	100	35	-	-	B
BE08270754C1	T70,T75	4	150	100	60	12.5	45	114	55	114	55	C
BE08270755C2	T70,T75	5	150	100	60	12.5	45	114	55	114	55	C
BE08289904C3	T89,T90	4	200	100	60	15	45	150	96	150	96	C
BE08289905C4	T89,T90	5	200	100	60	15	45	150	96	150	96	C

FISH PLATES

Order No.	Guide Rails /iso	Dimension (mm)								Screw Size
		T	L	W	D	I1	I2	I3	b	
BE08545XX2XX	T45	5	160	50	9	15	50	30	25	M8
BE08550XX2XX	T50	5	180	50	9	25	50	50	30	M8
BE08570XX2XX	T70 / A&B T75 / A&B	8	250	70	13	25	80	50	42	M12
BE08590XX2XX	T89 / A&B T90 / A&B	10	280	90	13	38.1	76.2	76.2	57.2	M12

CONNECTIVE RAIL BRACKET

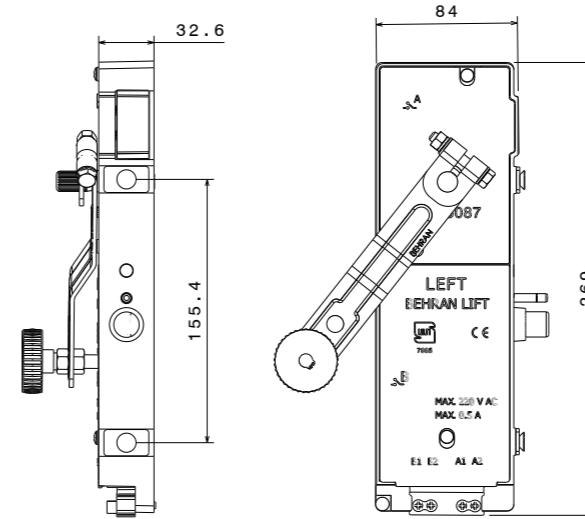


- No need for welding operation on elevator guide rails.
- Easy to replace in case of failure
- Higher accuracy in installation
- Providing higher control over guide rail operation
- More strength

Order No.	Product
BE08AL050XAB	AB-L50
BE08AL150XAB	AB-L150
BE08AJOLFXXX	JolfaBrackets
BE08A1702XCB	LGO-1702-CB
BE08A1702XCS	LGO-1702-CBS
BE08A1703XCB	LGO-1703-CB-a_s_sem
BE08AT090XNE	NE-cabin-T90-02
BE08ACWXXXNE	NE-CW
BE08ASCCWXNE	NE-suspit-C-CW



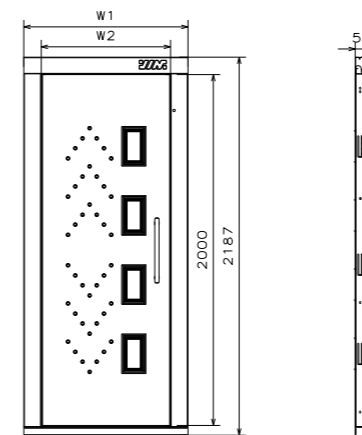
SWING DOOR LOCK



Order Number	Side
BE05GARXXXXX	Right
BE05GALXXXXX	Left

1.000.000 impact test  

SWING DOOR



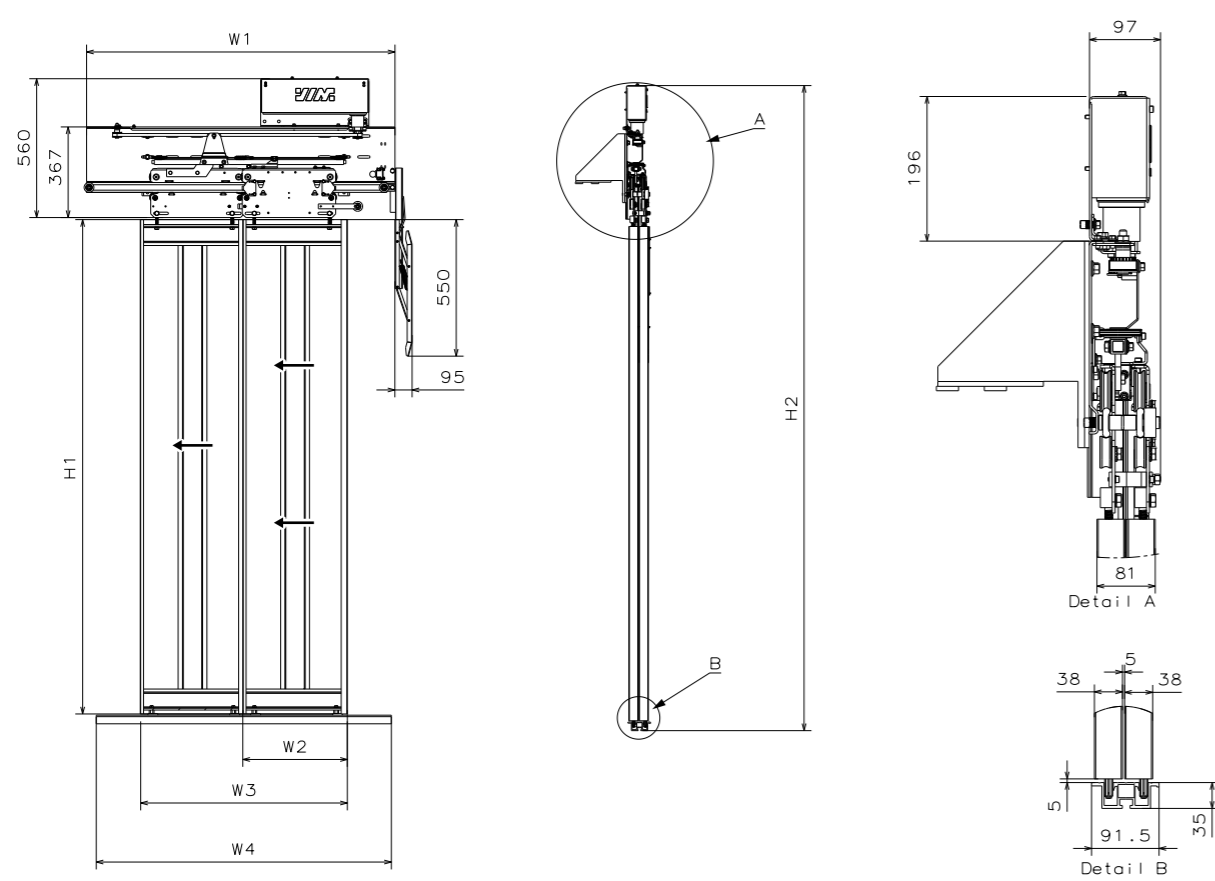
BW120 series

Order Number	Opening		Dimension (mm)	
	Size	Side	W1	W2
BE051AR170XX	70	Right	950	700
BE051AL170XX	70	Left	950	700
BE051AR180XX	80	Right	1050	800
BE051AL180XX	80	Left	1050	800
BE051AR190XX	90	Right	1150	900
BE051AL190XX	90	Left	1150	900

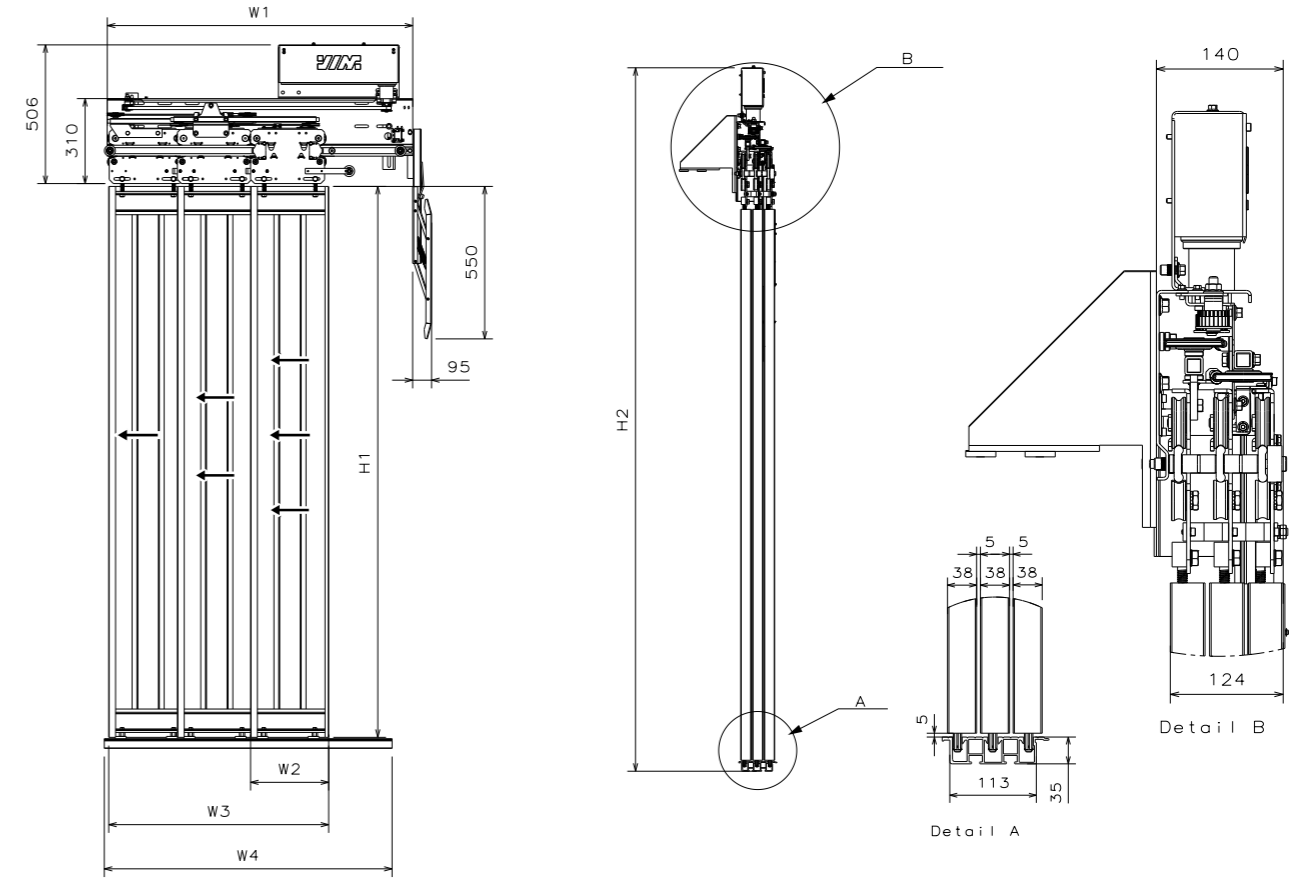
Hammer is produced in cream leather and copper colors



SEMI-AUTOMATIC CABIN DOOR-2 PANELS



SEMI-AUTOMATIC CABIN DOOR-3 PANELS



BN700 series

Order Number	Panels	Opening		Dimension (mm)				
		Size / Side	W1	W2	W3	W4	H1	H2
BE053AR270XX	70	Right	1104	375	700	1050	2110	2723
BE053AL270XX		Left						
BE053AR271XX		Right						
BE053AL271XX		Left						
BE053AR272XX	80	Right	1254	425	800	1200	2210	2823
BE053AL272XX		Left						
BE053AR280XX		Right						
BE053AL280XX		Left						
BE053AR281XX	90	Right	1405	475	900	1350	2110	2723
BE053AL281XX		Left						
BE053AR282XX		Right						
BE053AL282XX		Left						
BE053AR290XX	90	Right	1405	475	900	1350	2110	2623
BE053AL290XX		Left						
BE053AR291XX		Right						
BE053AL291XX		Left						
BE053AR292XX	90	Right	1405	475	900	1350	2210	2823
BE053AL292XX		Left						

It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)

BN750 series

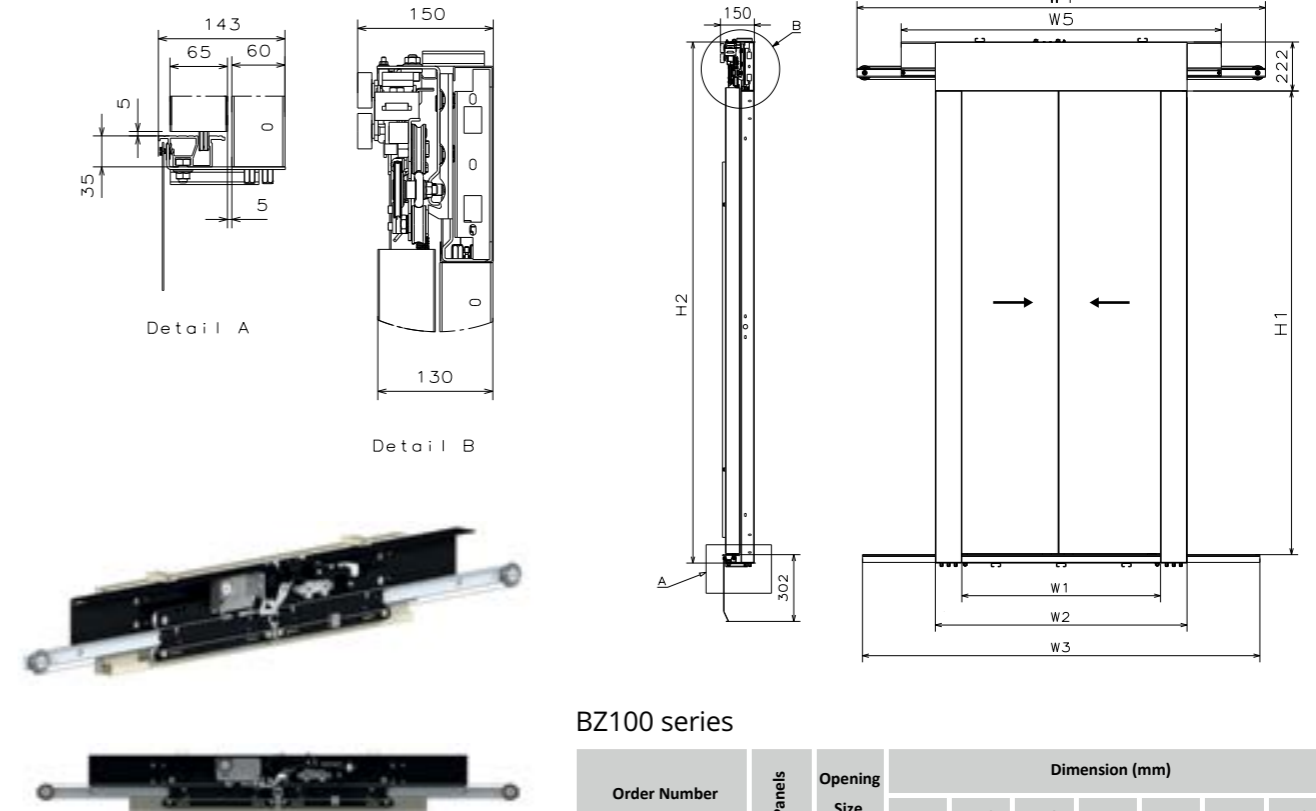
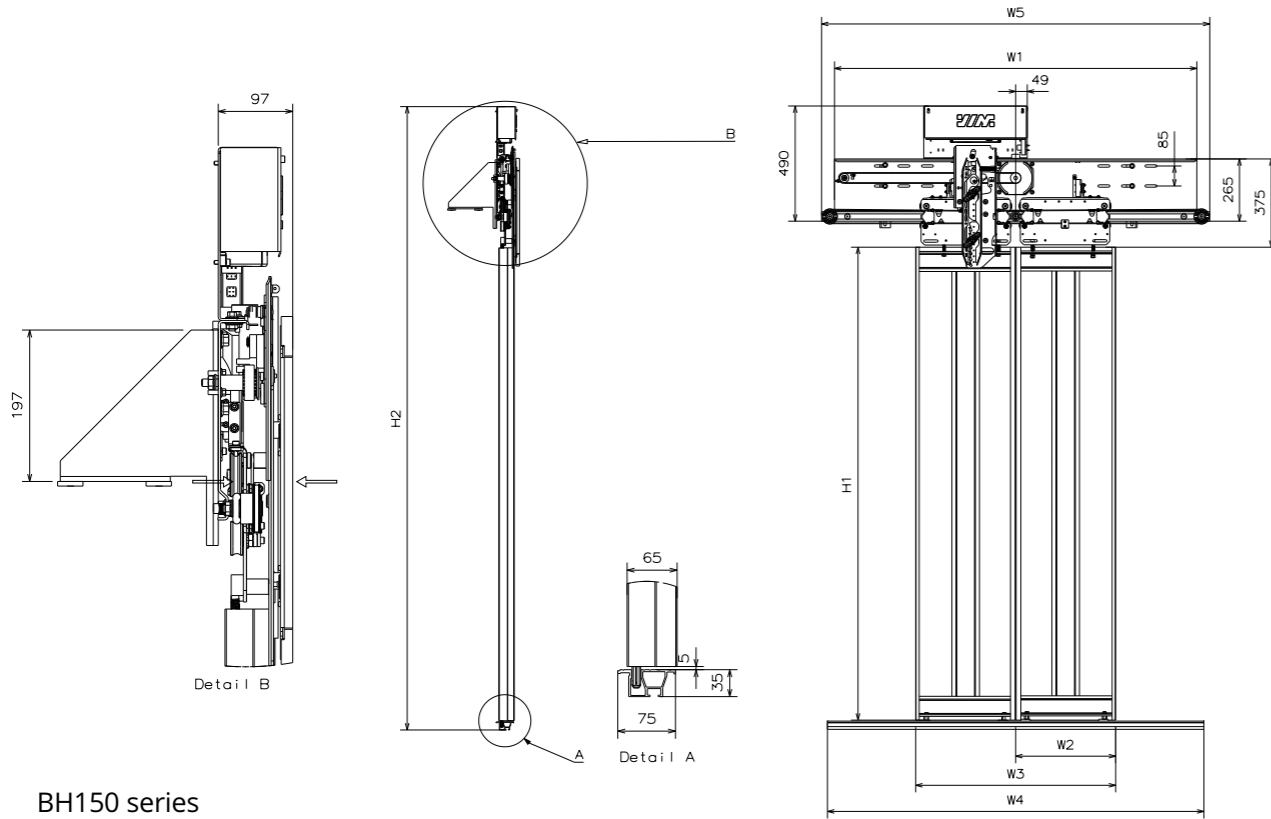
Order Number	Panels	Opening		Dimension (mm)				
		Size / Side	W1	W2	W3	W4	H1	H2
BE053AR380XX	80	Right	1115	285	800	1050	2110	2666
BE053AL380XX		Left						
BE053AR381XX		Right						
BE053AL381XX		Left						
BE053AR382XX	90	Right	1250	325	900	1200	2110	2666
BE053AL382XX		Left						
BE053AR390XX		Right						
BE053AL390XX		Left						
BE053AR391XX	90	Right	1250	325	900	1200	2210	2766
BE053AL391XX		Left						
BE053AR392XX		Right						
BE053AL392XX		Left						

It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)



AUTOMATIC CENTRAL Cabin DOOR-2 PANELS

Automatic Central Landing Door-2 PANELS



BH150 series

Order Number	Panels	Opening Size	Dimension (mm)							
			W1	W2	W3	W4	W5	H1	H2	
BE055AC270XX	2	70	1220	375	750	1400	1450	2010	2650	
BE055AC271XX								2110	2750	
BE055AC272XX								2210	2850	
BE055AC280XX								2010	2650	
BE055AC281XX		80	1540	425	850	1600	1650	2110	2750	
BE055AC282XX								2210	2850	
BE055AC290XX								2010	2650	
BE055AC291XX								2110	2750	
BE055AC292XX		90	1540	475	950	1800	1850	2210	2850	
BE055AC2A0XX								2010	2650	
BE055AC2A1XX								2110	2750	
BE055AC2A2XX								2210	2850	
BE055AC2B0XX		110	1900	575	1150	2200	2250	2010	2650	
BE055AC2B1XX								2110	2750	
BE055AC2B2XX								2210	2850	
BE055AC2C0XX								2010	2650	
BE055AC2C1XX		120	2280	625	1250	2400	2450	2110	2750	
BE055AC2C2XX								2210	2850	
BE055AC2D0XX								2010	2650	
BE055AC2D1XX								2110	2750	
BE055AC2D2XX	2210	2850								



It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)

BZ100 series

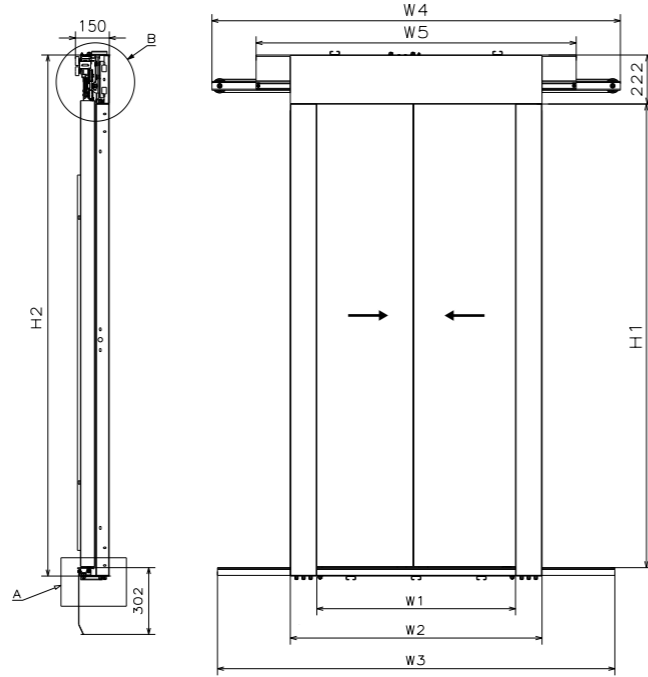
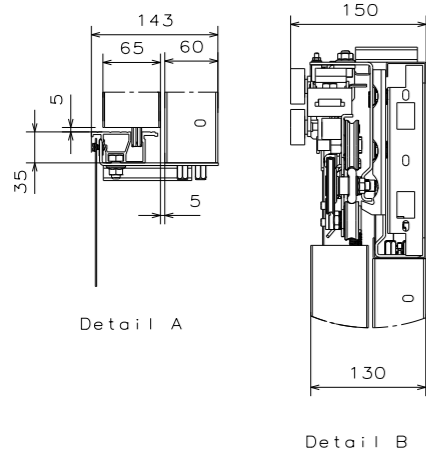
Order Number	Panels	Opening Size	Dimension (mm)							
			W1	W2	W3	W4	W5	H1	H2	
BE054AC270XX	2	70	700	940	1400	1450	1220	2000	2260	
BE054AC271XX								2100	2360	
BE054AC272XX								2200	2460	
BE054AC280XX								2000	2260	
BE054AC281XX		80	800	1040	1600	1650	1450	2100	2360	
BE054AC282XX								2200	2460	
BE054AC290XX								2000	2260	
BE054AC291XX								2100	2360	
BE054AC292XX		90	900	1140	1800	1850	1450	2200	2460	
BE054AC2A0XX								2000	2260	
BE054AC2A1XX								2100	2360	
BE054AC2A2XX								2200	2460	
BE054AC2B0XX		110	1100	1340	2200	2250	1900	2000	2260	
BE054AC2B1XX								2100	2360	
BE054AC2B2XX								2200	2460	
BE054AC2C0XX								2000	2260	
BE054AC2C1XX		120	1200	1440	2400	2450	2280	2100	2360	
BE054AC2C2XX								2200	2460	
BE054AC2D0XX								2000	2260	
BE054AC2D1XX								2100	2360	
BE054AC2D2XX	2200	2460								



It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)

Automatic Central Landing Door-2 PANELS

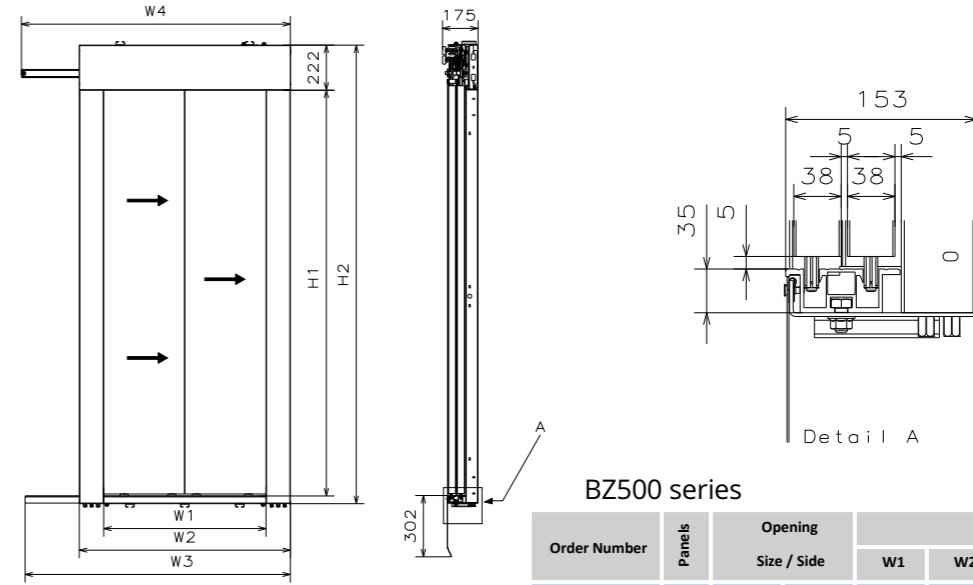
AUTOMATIC TELESCOPIC LANDING DOOR-2 PANELS



BZ100 series

Order Number	Panels	Opening Size	Dimension (mm)						H1	H2
			W1	W2	W3	W4	W5			
BE054AC270XX	2	70	700	940	1400	1450	1220	2000	2260	
BE054AC271XX								2100	2360	
BE054AC272XX			2200	2460						
BE054AC280XX			80	800	1040	1600	1650	1450	2000	2260
BE054AC281XX									2100	2360
BE054AC282XX				2200	2460					
BE054AC290XX		90	900	1140	1800	1850	1450	2000	2260	
BE054AC291XX								2100	2360	
BE054AC292XX			2200	2460						
BE054AC2A0XX			100	1000	1240	2000	2050	1900	2000	2260
BE054AC2A1XX									2100	2360
BE054AC2A2XX				2200	2460					
BE054AC2B0XX		110		1100	1340	2200	2250	1900	2000	2260
BE054AC2B1XX									2100	2360
BE054AC2B2XX				2200	2460					
BE054AC2C0XX		120	1200	1440	2400	2450	2280	2000	2260	
BE054AC2C1XX								2100	2360	
BE054AC2C2XX			2200	2460						
BE054AC2D0XX			130	1300	1550	2600	2650	2280	2000	2260
BE054AC2D1XX									2100	2360
BE054AC2D2XX				2200	2460					

It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)



BZ500 series

Order Number	Panels	Opening Size / Side	Dimension (mm)						
			W1	W2	W3	W4	H1	H2	
BE056AR270XX	2	70	Right	700	940	1158	1176	2000	2260
BE056AL270XX								Left	2100
BE056AR271XX			Right	700	940	1158	1176	2100	2360
BE056AL271XX									
BE056AR272XX			Right	700	940	1158	1176	2200	2460
BE056AL272XX									
BE056AR280XX		80	Right	800	1040	1308	1326	2000	2260
BE056AL280XX								Left	2100
BE056AR281XX			Right	800	1040	1308	1326	2100	2360
BE056AL281XX									
BE056AR282XX			Right	800	1040	1308	1326	2200	2460
BE056AL282XX									
BE056AR290XX		90	Right	900	1140	1458	1476	2000	2260
BE056AL290XX								Left	2100
BE056AR291XX			Right	900	1140	1458	1476	2100	2360
BE056AL291XX									
BE056AR292XX			Right	900	1140	1458	1476	2200	2460
BE056AL292XX									
BE056AR2A0XX		100	Right	1000	1240	1608	1626	2000	2260
BE056AL2A0XX								Left	2100
BE056AR2A1XX			Right	1000	1240	1608	1626	2100	2360
BE056AL2A1XX									
BE056AR2A2XX			Right	1000	1240	1608	1626	2200	2460
BE056AL2A2XX									
BE056AR2B0XX	110	Right	1100	1340	1758	1776	2000	2260	
BE056AL2B0XX							Left	2100	2360
BE056AR2B1XX		Right	1100	1340	1758	1776	2100	2360	
BE056AL2B1XX									Left
BE056AR2B2XX		Right	1100	1340	1758	1776	2200	2460	
BE056AL2B2XX									Left
BE056AR2C0XX	120	Right	1200	1440	1908	1926	2000	2260	
BE056AL2C0XX							Left	2100	2360
BE056AR2C1XX		Right	1200	1440	1908	1926	2100	2360	
BE056AL2C1XX									Left
BE056AR2C2XX		Right	1200	1440	1908	1926	2200	2460	
BE056AL2C2XX									Left
BE056AR2D0XX	130	Right	1300	1540	2070	2076	2000	2260	
BE056AL2D0XX							Left	2100	2360
BE056AR2D1XX		Right	1300	1540	2070	2076	2100	2360	
BE056AL2D1XX									Left
BE056AR2D2XX		Right	1300	1540	2070	2076	2200	2460	
BE056AL2D2XX									Left

It is possible for the customer to choose the color and material of the Panels and frame (glass, steel coating, etc.)





ELEVATOR GLASSDOORS

This product is custom made and the customer can order the size, type of material and color according to their needs.



Escalator

Today, with the increase of commercial centers, shops and urban development projects based on the expansion of roads and highways, escalators are considered as environmental components in the city that are most used in public places, subways, passenger terminals and department stores. The importance of this issue, as well as the lack of a system that is compatible with the weather and environmental conditions of Iran, led the large group of Behran to use its years of experience to design and produce escalators and moving sidewalks that are compatible with new global technologies.

Behran Elevator and Escalator Industrial Group has taken a safer step than ever before by using the best knowledge and technology in the world and benefiting from its experienced experts in research and development, by launching standard units and quality control. This caused Behran to gain more trust in the Iranian market for its products and to achieve the best quality in the field of escalator production in a short period of time. Design, production, installation and commissioning, as well as extensive support services, are the main areas on which Behran Industrial Group focuses. Behran escalators and moving sidewalks are produced in cooperation with the most reputable international companies and in accordance with EN115 standard.





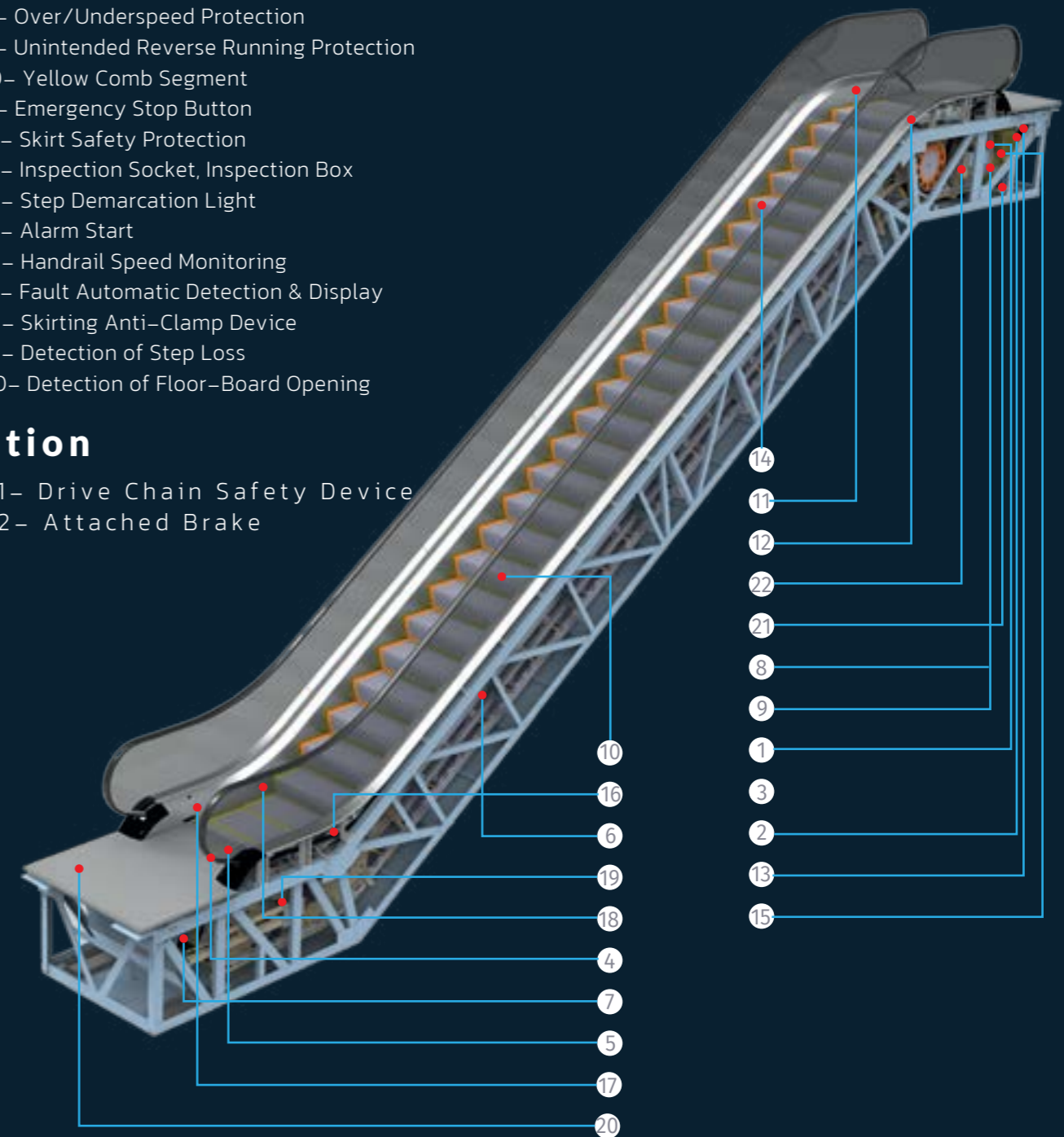
ESCALATOR

Standard

- 1- Phase Fault Protection
- 2- Motor Overload Protection
- 3- Electrical Circuit Protection
- 4- Handrail Entry Protection
- 5- comb Teeth Obstruction Device
- 6- Step Sagging Guard and Roller Rapture Protection
- 7- Broken step-Chain Device
- 8- Over/Underspeed Protection
- 9- Unintended Reverse Running Protection
- 10- Yellow Comb Segment
- 11- Emergency Stop Button
- 12- Skirt Safety Protection
- 13- Inspection Socket, Inspection Box
- 14- Step Demarcation Light
- 15- Alarm Start
- 16- Handrail Speed Monitoring
- 17- Fault Automatic Detection & Display
- 18- Skirting Anti-Clamp Device
- 19- Detection of Step Loss
- 20- Detection of Floor-Board Opening

Option

- 21- Drive Chain Safety Device
- 22- Attached Brake



Behran escalators are produced in different heights and designs with widths of 60, 80 and 100 cm with angles of 30 and 35 degrees. These products include the latest technologies in the escalator industry.

Behran moving autowalks are also offered to the market in different angles of 10, 11 and 12 degrees. Autowalks have widths of 80 and 100 cm and autowalks with zero degree angle have widths of 80, 100, 120 and 140 centimeters.

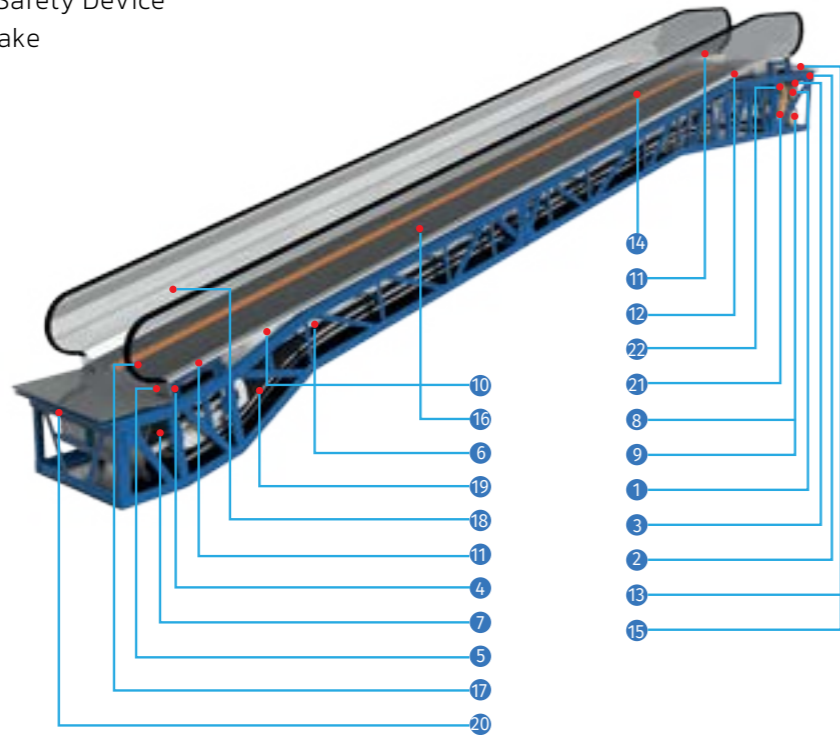
Behran escalators and moving autowalks can be used in both normal and full traffic modes in indoor and outdoor environments.

Standard

- 1- Phase Fault Protection
- 2- Motor Overload Protection
- 3- Electrical Circuit Protection
- 4- Handrail Entry Protection
- 5- comb Teeth Obstruction Device
- 6- Step Sagging Guard and Roller Rapture Protection
- 7- Broken step-Chain Device
- 8- Over/Underspeed Protection
- 9- Unintended Reverse Running Protection
- 10- Yellow Comb Segment
- 11- Emergency Stop Button
- 12- Skirt Safety Protection
- 13- Inspection Socket, Inspection Box
- 14- Step Demarcation Light
- 15- Alarm Start
- 16- Handrail Speed Monitoring
- 17- Fault Automatic Detection & Display
- 18- Skirting Anti-Clamp Device
- 19- Detection of Step Loss
- 20- Detection of Floor-Board Opening

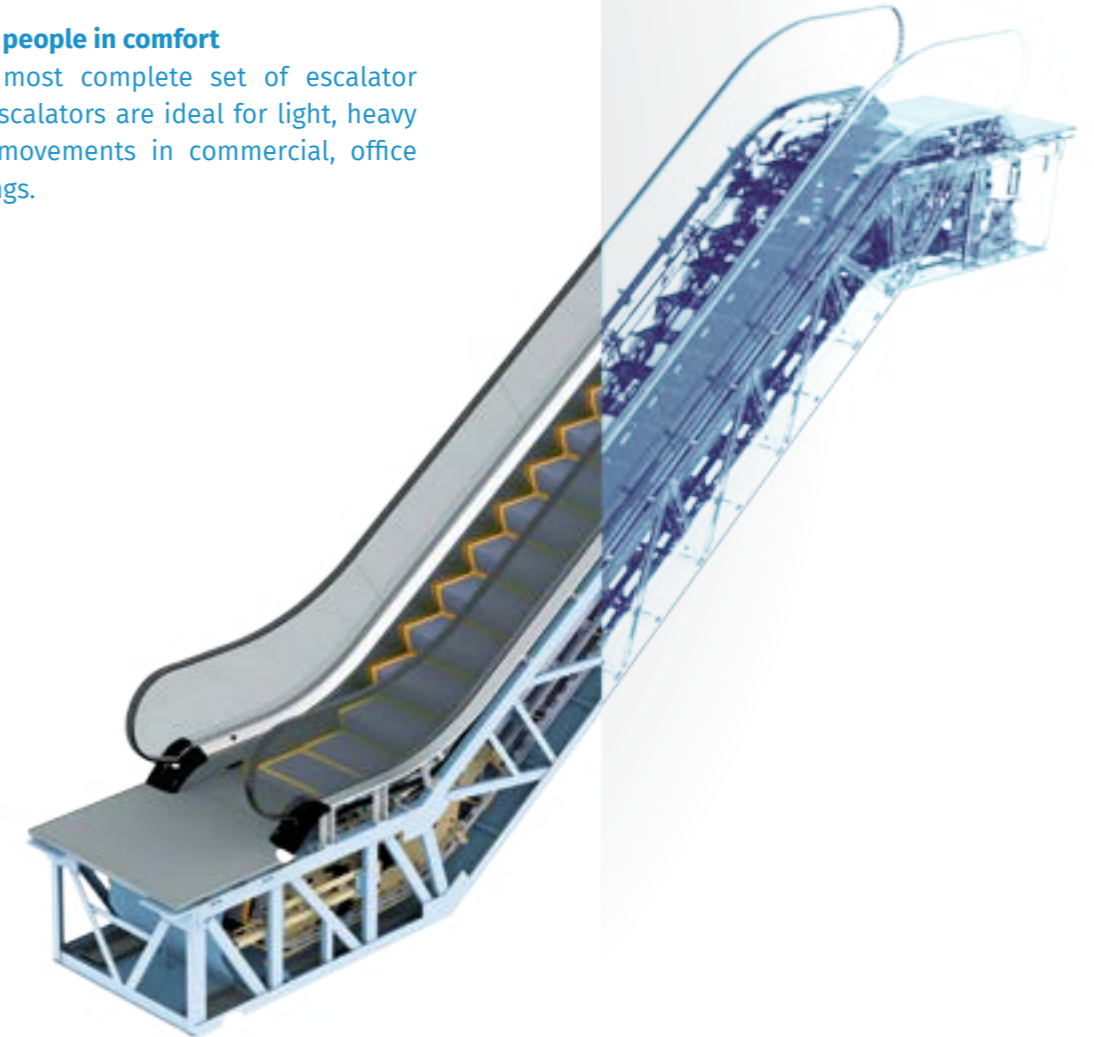
Option

- 21- Drive Chain Safety Device
- 22- Attached Brake



Transportation of people in comfort

Behran has the most complete set of escalator models. Behran escalators are ideal for light, heavy and ultra-heavy movements in commercial, office and public buildings.



Behran Escalator Family: ♦ Supreme Transit ♦ Mass Transit ♦ Mass Transit Plus
 Operating Environments: ♦ Indoor ♦ Outdoor

Supreme Transit (Commercial)

Due to their place of use and operating conditions, these types of escalators are designed based on a working interval of 12 to 16 hours, in addition to being cost-effective, to completely move people in commercial complexes. In this type of design, due to the small space in commercial complexes, it is mostly used at an angle of 35 degrees, but an angle of 30 degrees can also be produced. Due to the importance of beauty in this type of escalators, railings are made of heated glass with a thickness of 10 mm.

Mass Transit (Heavy Duty)

These types of escalators are designed for higher capacity and workload than the supreme type, so that they can work continuously for up to 20 hours a day. Due to the importance and high capacity of this type of escalator, it is mostly used for subway lines with steel railings and for airports, glass railings are used due to the importance of decorations in the airport. Due to the importance of high efficiency equipment, helical gearboxes have been used in this type of escalators.

Mass plus Transit (Ultra Heavy Duty)

This type of escalator is used as a type of escalator with external chains (roller outside chain) due to its extremely high capacity and 24-hour operating time or use at heights of more than 14 meters.

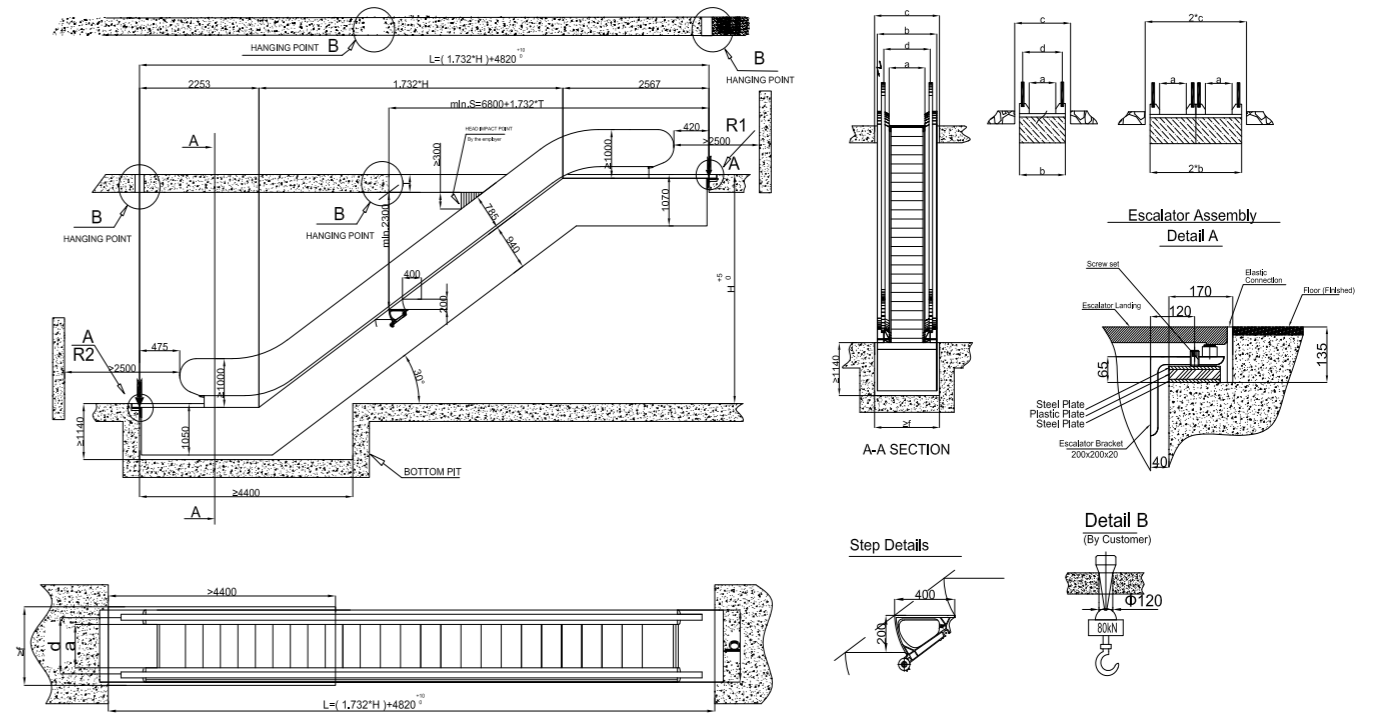
These types of escalators are made of steel railings depending on the place of use. And will have a chain safety factor of at least 6.

Also in Mass Plus Transit type, an angle of 30 degrees is designed.



Construction Parameter Layout

BLF -K-30°-Single | indoor
 2 Steps Flat - 0.5 m/s - Rise ≤ 6 m



For 600mm with / the upper truss should be increased 550mm

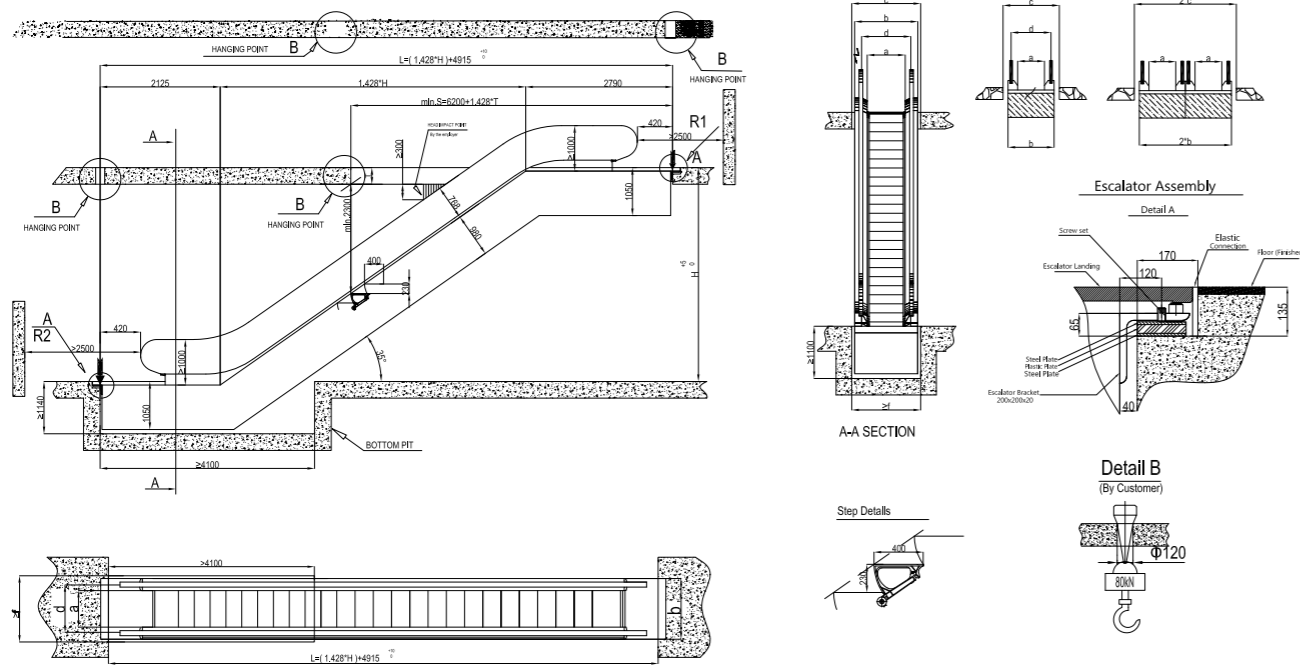
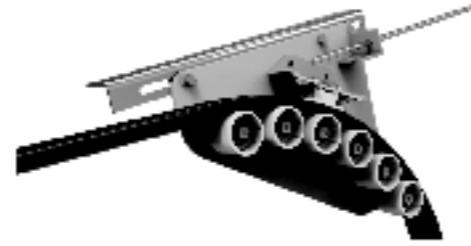
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
 Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Step width	600	800	1000	Remarks	
R1 (KN)	3.5*L+17.5	4*L+19	4.5*L+20.5	Lunit ism	
R2 (KN)	3.5*L+12	4*L+13	4.5*L+13.5		
Machine power	5.5 Kw	H≤6	H≤4	H≤3	Current
	8 Kw		4<H≤6	3<H≤4.9	
	11 Kw			4.9<H≤6	

Model	Symbols	BLF-60K-30	BLF-80K-30	BLF-100K-30
Step Width	a	600	800	1000
Decoration Width	b	1140	1340	1540
Construction layout opening Width	c	1260	1460	1660
Handrail Spencer	d	838	1038	1238
Safe construction layout opening Width	e	1800	2000	2200
construction layout opening Width	f	1260	1460	1660

Construction Parameter Layout

BLF -K-35°-Single | indoor
2 Steps Flat - 0.5 m/s - Rise ≤ 6 m



For 600mm with / the upper truss should be increased 550mm

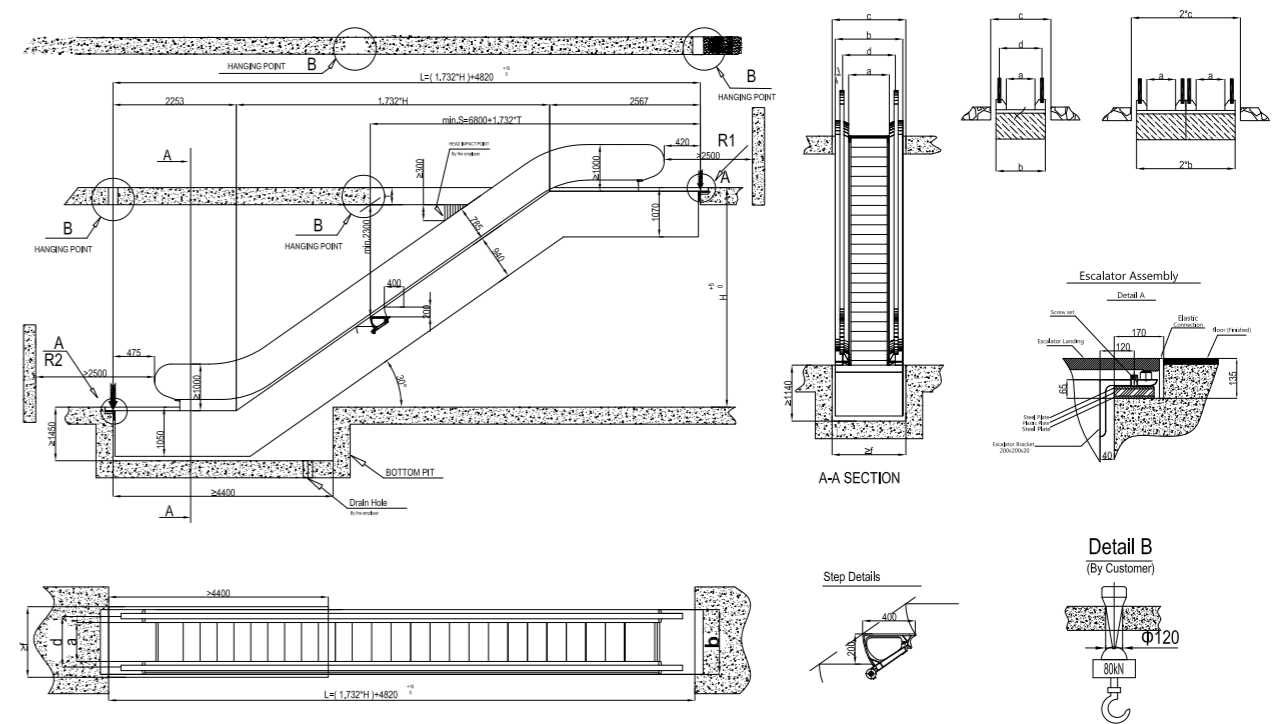
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Reaction force and power					
Step width	600	800	1000	Remarks	
R1 (KN)	3.5*L+16.5	4*L+18	4.5*L+19.5	L unit is m	
R2 (KN)	3.5*L+11	4*L+12	4.5*L+12.5		
Machine power	5.5 Kw	H≤6	H≤4.2	H≤3.2	13 A
	8 Kw		4.2<H≤6	3.2<H≤5.2	18 A
	11 Kw			5.2<H≤6	24 A
					Current

Standard Specification and size unit (mm)				
Model	Symbols	BLF-60K-35	BLF-80K-35	BLF-100K-35
Step Width	a	600	800	1000
Decoration Width	b	1140	1340	1540
Construction layout opening Width	c	1260	1460	1660
Handrail Spencer	d	838	1038	1238
Safe construction layout opening Width	e	1800	2000	2200
construction layout opening Width	f	1260	1460	1660

Construction Parameter Layout

BLF -K-30°-Single | outdoor
2 Steps Flat - 0.5 m/s - Rise ≤ 6 m



For 600mm with / the upper truss should be increased 550mm

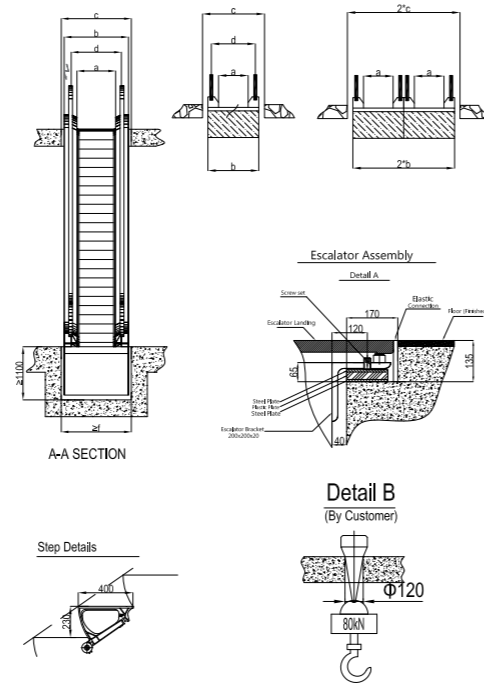
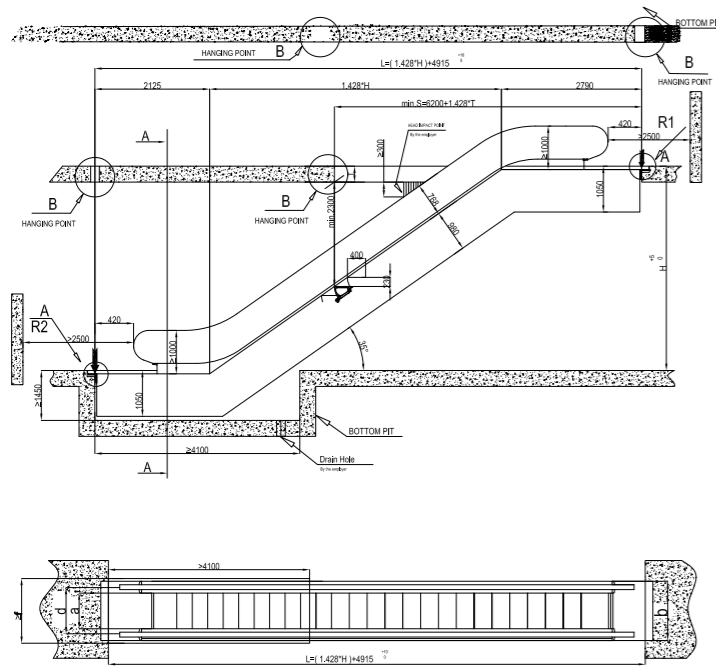
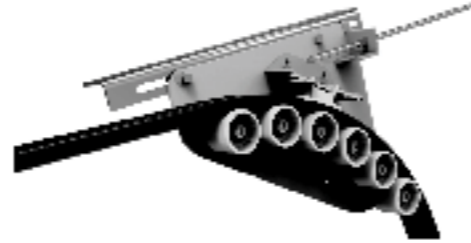
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Reaction force and power					
Step width	600	800	1000	Remarks	
R1 (KN)	3.5*L+18	4*L+19.5	4.5*L+21	L unit is m	
R2 (KN)	3.5*L+12.5	4*L+13.5	4.5*L+14		
Machine power	5.5 Kw	H≤6	3H≤4	H≤3.5	13 A
	8 Kw		4<H≤6	3.5<H≤4.8	18 A
	11 Kw			4.8<H≤6	24 A
					Current

Standard Specification and size unit (mm)				
Model	Symbols	BLF-60K-30	BLF-80K-30	BLF-100K-30
Step Width	a	600	800	1000
Decoration Width	b	1140	1340	1540
Construction layout opening Width	c	1260	1460	1660
Handrail Spencer	d	838	1038	1238
Safe construction layout opening Width	e	1800	2000	2200
construction layout opening Width	f	1260	1460	1660

Construction Parameter Layout

BLF -K-35° - Single | outdoor
2 Steps Flat - 0.5 m/s - Rise ≤ 6 m



For 600mm with / the upper truss should be increased 550mm

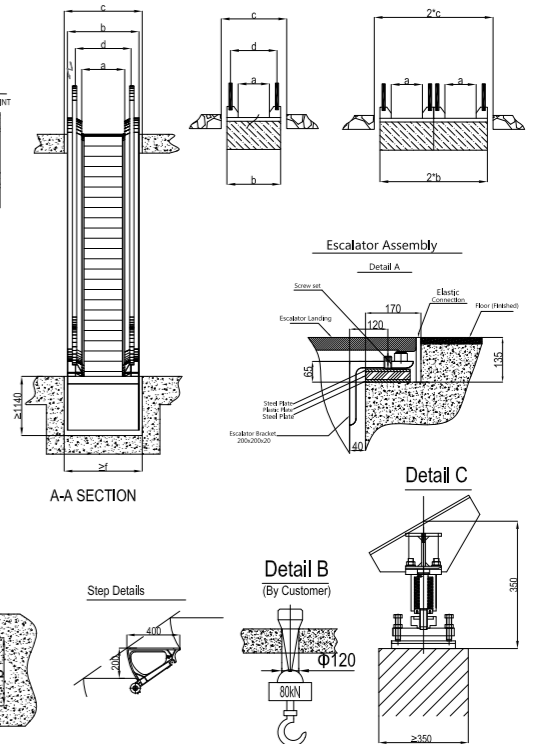
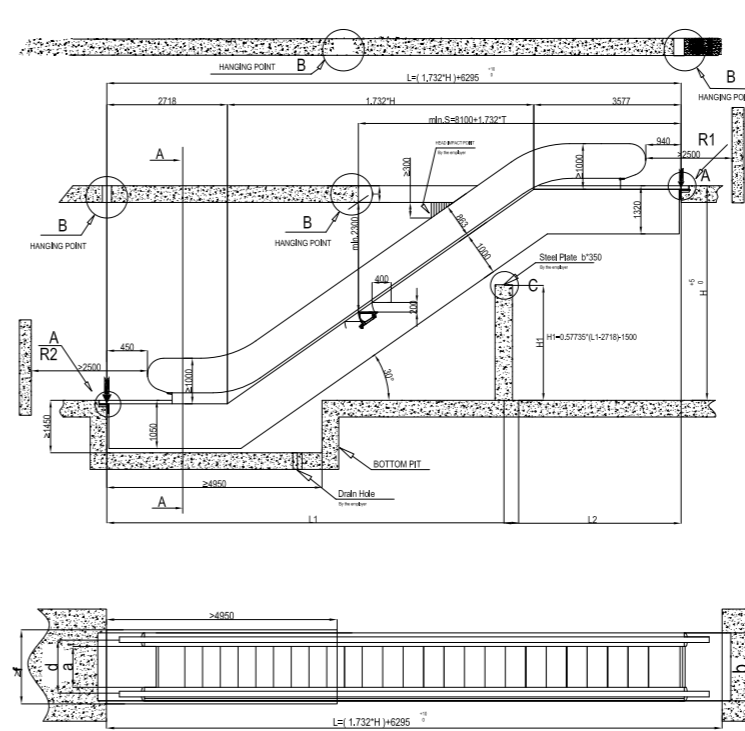
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Action force and power					
Step width	600	800	1000	Remarks	
R1 (KN)	3.5*L+17	4*L+18.5	4.5*L+20	L unit is m	
R2 (KN)	3.5*L+11.5	4*L+12.5	4.5*L+13	L unit is m	
Machine power	5.5 Kw	H≤6	3H≤5	H≤4	13 A
	8 Kw		5<H≤6	4<H≤5	18 A
	11 Kw			5<H≤6	24 A

Standard Specification and size unit (mm)					
Model	Symbols	BLF-60K-35	BLF-80K-35	BLF-100K-35	
Step Width	a	600	800	1000	
Decoration Width	b	1140	1340	1540	
Construction layout opening Width	c	1260	1460	1660	
Handrail Spencer	d	838	1038	1238	
Safe construction layout opening Width	e	1800	2000	2200	
construction layout opening Width	f	1260	1460	1660	

Construction Parameter Layout

BLF -M-30°-Single | indoor and outdoor
3 Steps Flat -0.5- 0.65 m/s - Rise ≤ 12 m



For 600mm with / the upper truss should be increased 550mm
Middle support is required for height more than 5.7m
TO add Y_A capability to a VVVF system, the length of the upper truss should meet a 300mm increase.

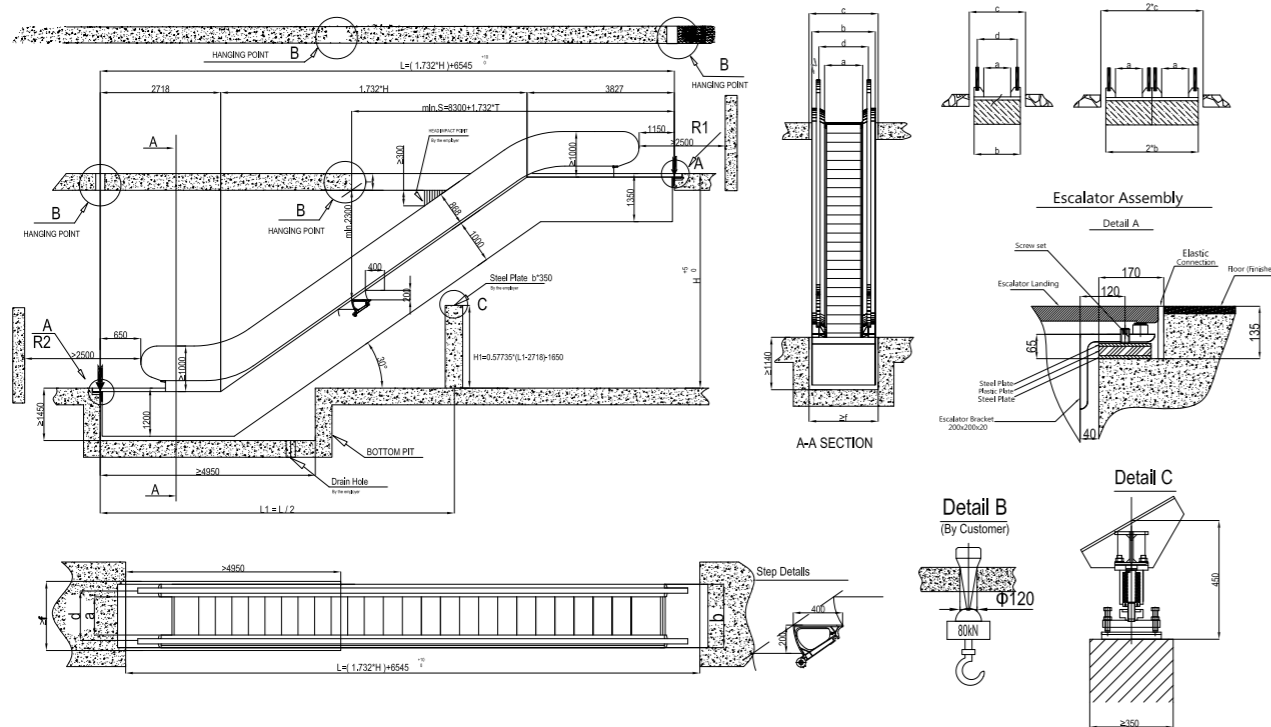
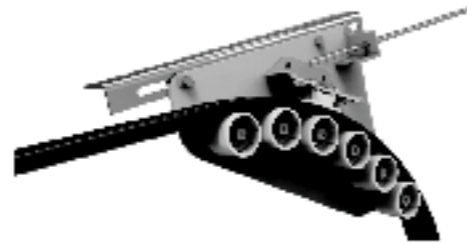
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Reaction force and power					
Step width	600	800	1000	Remarks	
R1 (KN)	4.1*L2+17.5	4.5*L2+18.1	5*L2+19.5	L1,L2 unit is m	
R2 (KN)	4.1*L1+9.8	4.5*L1+9.8	5*L1+10.5	L1,L2 are Less than 15m	
R3 (KN)	4.25*L+11.5	4.5*L+12.5	5.2*L+13.5		
Machine power	5.5 Kw	H≤5.6	H≤4	H≤3	13 A
	8 Kw	5.6<H≤9.2	4 <H≤6.4	3<H≤4.9	18 A
	11 Kw	9.2<H≤13	6.4<H≤9.3	4.9<H≤7.2	24 A
	15 Kw		9.3<H≤9.8	7.2<H≤7.9	32 A

Standard Specification and size unit (mm)					
Model	Symbols	BLF-60M-30	BLF-80M-30	BLF-100M-30	
Step Width	a	600	800	1000	
Decoration Width	b	1140	1340	1540	
Construction layout opening Width	c	1260	1460	1660	
Handrail Spencer	d	838	1038	1238	
Safe construction layout opening Width	e	1800	2000	2200	
construction layout opening Width	f	1260	1460	1660	

Construction Parameter Layout

BLXF -M-30°-Single | Indoor and outdoor
3 Steps Flat -0.5 - 0.65 m/s - Rise ≤ 10 m



For 600mm with / the upper truss should be increased 550mm
Middle support is required for height more than 5.7m
TO add Y_Δ capability to a VVVF system, the length of the upper truss should meet a 300mm increase.

Reaction force and power					
Step width	800	1000	Remarks		
R1 (KN)	4.5*L2+18.6	5.2*L2+20	L ₁ , L ₁ , L ₂ unit is m L ₁ , L ₂ are Less than 15m		
R2 (KN)	4.5*L1+10.3	5.2*L1+11			
R3 (KN)	4.5*L+13.5 5.7	5.2*L+14.5			
Machine power	8 Kw	H≤4.5	H≤3.2	18 A	
	11 Kw	4.5<H≤6	3.2<H≤4.3	24 A	
	15 Kw	5.7<H≤8	4.3<H≤6.1	32 A	
	18.5 Kw	8<H≤10	6.1<H≤8	40 A	
	2*11 Kw	10<H≤12.5	8<H≤9.2	48 A	
	2*15 Kw	12<H≤16.7	9.2<H≤12.7	64 A	
	2*18.5 Kw	16.7<H≤20	12.7<H≤15.3	80 A	

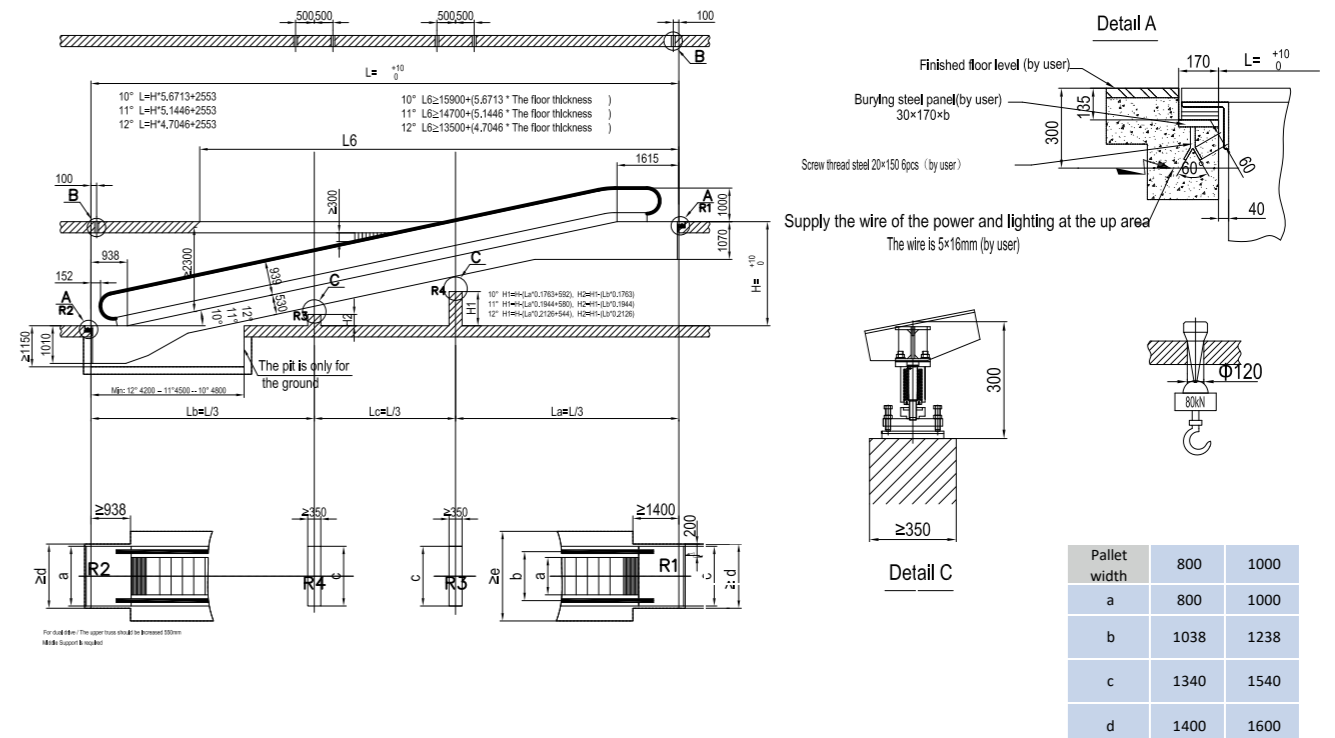
Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.

Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

Standard Specification and size unit (mm)			
Model	Symbols	BLXF-80M-30	BLXF-100M-30
Step Width	a	800	1000
Decoration Width	b	1400	1600
Construction layout opening Width	c	1460	1660
Handrail Spencer	d	1110	1310
Safe construction layout opening Width	e	2000	2200
construction layout opening Width	f	1460	1660

Construction Parameter Layout

BLRF / 10° 11° 12° Single | indoor
0.5 m/s - Rise ≤ 7m



Note1: A vertical anti-pinch plate that has no acute angle edge should be set on the handrail belt in the junction between escalator and floorslab. If the distance between the outer edge of the handrail belt and any obstruction is greater than 400mm, it does not have to install the anti-pinch plate.
Note2: There should be adequate flow area to accommodate passengers at the entrance and exit of the escalator. If the width of the area is more than twice the distance between outer edge of the handrail belt plus 160mm, its depth dimension is allowed to be less than 2 meters.

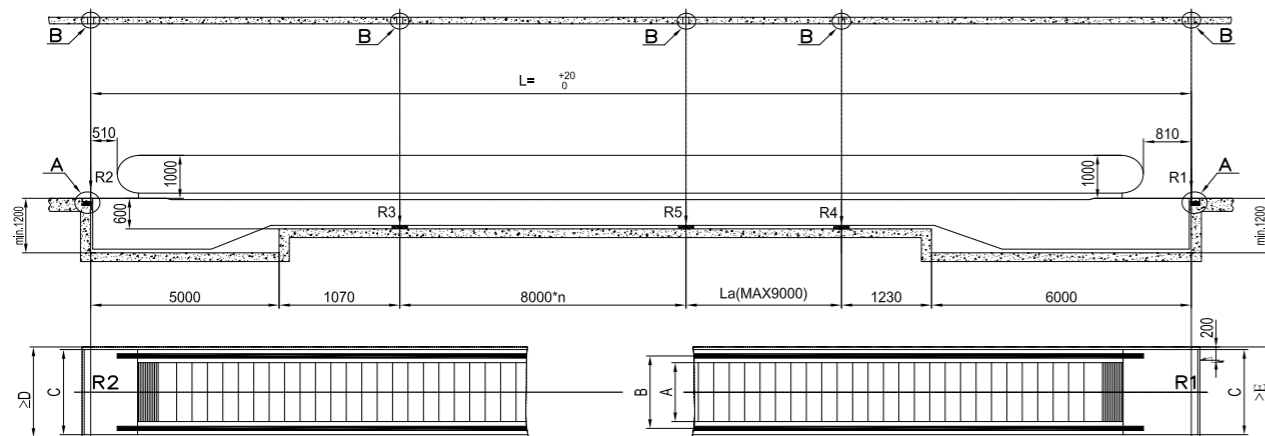
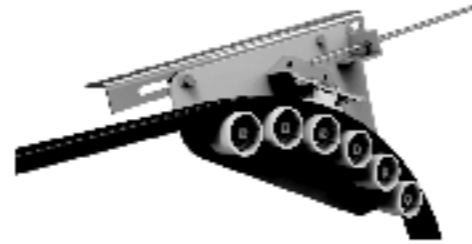
Power Table					
Rise/12°/0.5ms	5.5 Kw	8 Kw	11 Kw	15 Kw	
1000	H≤2.8	2.8<H≤4.5	4.5<H≤6	6<H≤7	
800	H≤3.5	3.5<H≤5.7	5.5<H≤7		
Notes					
L ₁ , L ₁ , L ₂ is m L ₁ , L ₂ are less than 15m					

Supporting force	q	M	N	e	1918	2118	
					f	1340	1540
800	0.0039	10.5	5.5	f	1340	1540	
1000	0.0045	12	6	g	5	6	
Angle	Rise		Middle supporting		La	Lb	Lc
	From	To	R3	R4			
10°	1297	2178	-	-	-	-	-
	2179	4823	1	-	L/2	L/2	-
	4824	6600	1	1	L/3	L/3	L/3
11°	1449	2420	-	-	-	-	-
	2421	5335	1	-	L/2	L/2	-
	5336	7300	1	1	L/3	L/3	L/3
12°	1601	2645	-	-	-	-	-
	2645	5830	1	-	L/2	L/2	-
	5830	8000	1	1	L/3	L/3	L/3

Supporting force		
Without middle supporting (KN)	With one middle supporting (KN)	With two middle supporting (KN)
R1=L*q + M	R1=La*q + M	R1=La*q + M
	R2=Lb*q + N	R2=Lb*q + N
R2=L*q + N	R3=(La+Lb)*q *1.3	R3=(La+Lc)*q *1.3
		R4=(Lb+Lc)*q *1.3

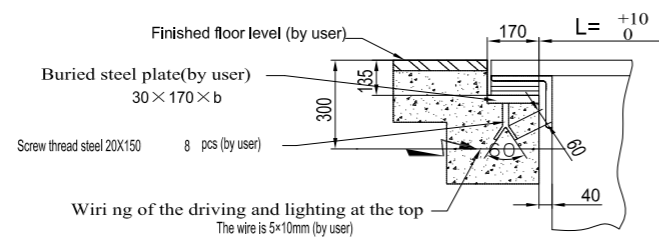
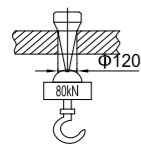
Parameter Construction Layout

BLRP / - 0 - Single | indoor
0.5 m/s - Length ≤ 100m



Detail A

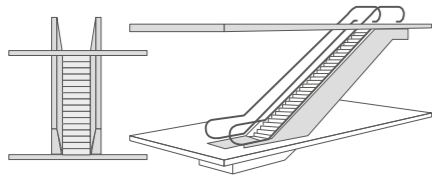
Detail B



Pallet width(mm)	800	1000	1200	1400
A	800	1000	1200	1400
B	1038	1238	1430	1648
C	1340	1540	1740	1950
D	1400	1600	1800	2010
E	1400	1600	1800	2010

Supporting force		
Without middle supporting (KN)	With one middle supporting (KN)	With two middle supporting (KN)
$R1=L*q + M$	$R1=La*q + M$	$R1=La*q + M$
	$R2=Lb*q + N$	$R2=Lb*q + N$
$R2=L*q + N$	$R3=(La+Lb)*q *1.3$	$R3=(La+Lc)*q *1.3$
		$R4=(Lb+Lc)*q *1.3$



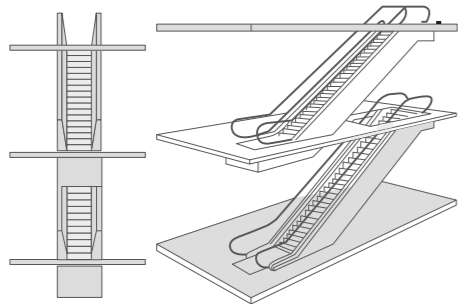
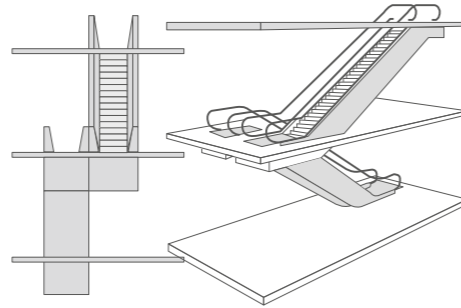


Single unit arrangement

Single link between two levels with one traffic direction. Change of escalator direction depending on traffic flow possible.

Continuous arrangement (one travel direction)

It is convenient for the passengers, but enough space is required and mainly used in small department stores.

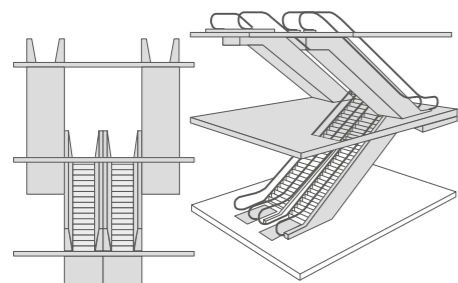
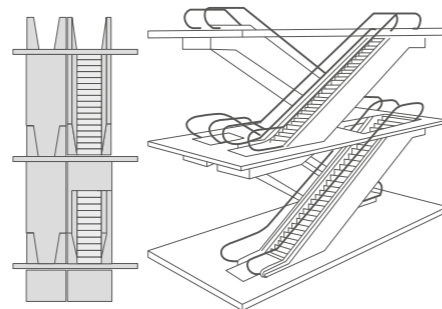


Interrupted arrangement (one travel direction)

Since customers attention can be attracted on the small detours, a bit inconvenient for the passengers, but less space consuming and favorable for the department store.

Crisscross, continuous arrangement (two way traffic)

Suitable for a minimum transportation time and highest capacity. Mainly used in major department stores, public buildings and public transportation areas.



Parallel, interrupted arrangement (two-way traffic)

Since no lateral claddings are required, it can be economically installed and since customers attention can be attracted on the small detours, it is favourable for the department store owners.



HANDRAIL COLOR



Black (Standard)



Gray (Optional)



Red (Optional)



Orange (Optional)



Blue (Optional)



Shallow Bluish Green (Optional)



Light Brown (Optional)



Yellow (Optional)

BALUSTRADE COLOR



Transparent (standard)



Gray

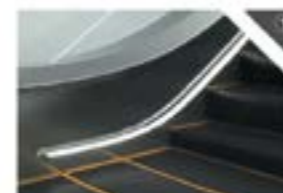


Bronze (Optional)

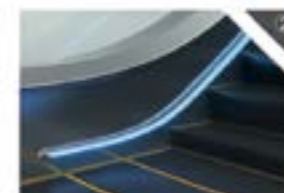


Transparent Silk Screen (Optional)

LIGHTING



White (Optional)



Blue (Optional)



Red (Optional)



Yellow (Optional)



STEP COLOR



Black Stainless Steel
(Standard Configuration for Indoor Escalator)



Silver Gray Aluminum Alloy
(Standard Configuration for outdoor Escalator)



Black Aluminum Alloy
(Optional)



Frame Spraying C-Type
(Optional)



Frame Yellow Plastic C-Type
(Optional)

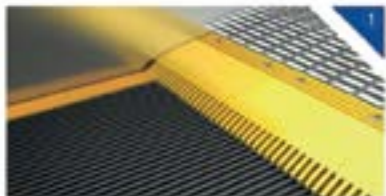


Frame Spraying E-Type
(Optional)

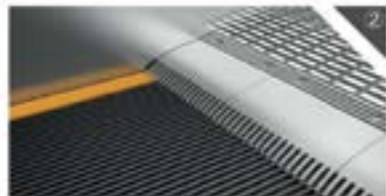


Frame Yellow Plastic E-Type
(Optional)

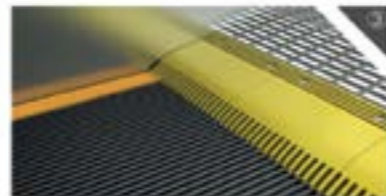
COMB TOOTH



Yellow Plastic
(Standard)



Aluminum
(Optional)



Aluminum Surface Yellow Paint
(Optional)

LANDING PLATE



Aluminum Patch
(Standard)



Stainless Steel Striped Patch
(Optional)

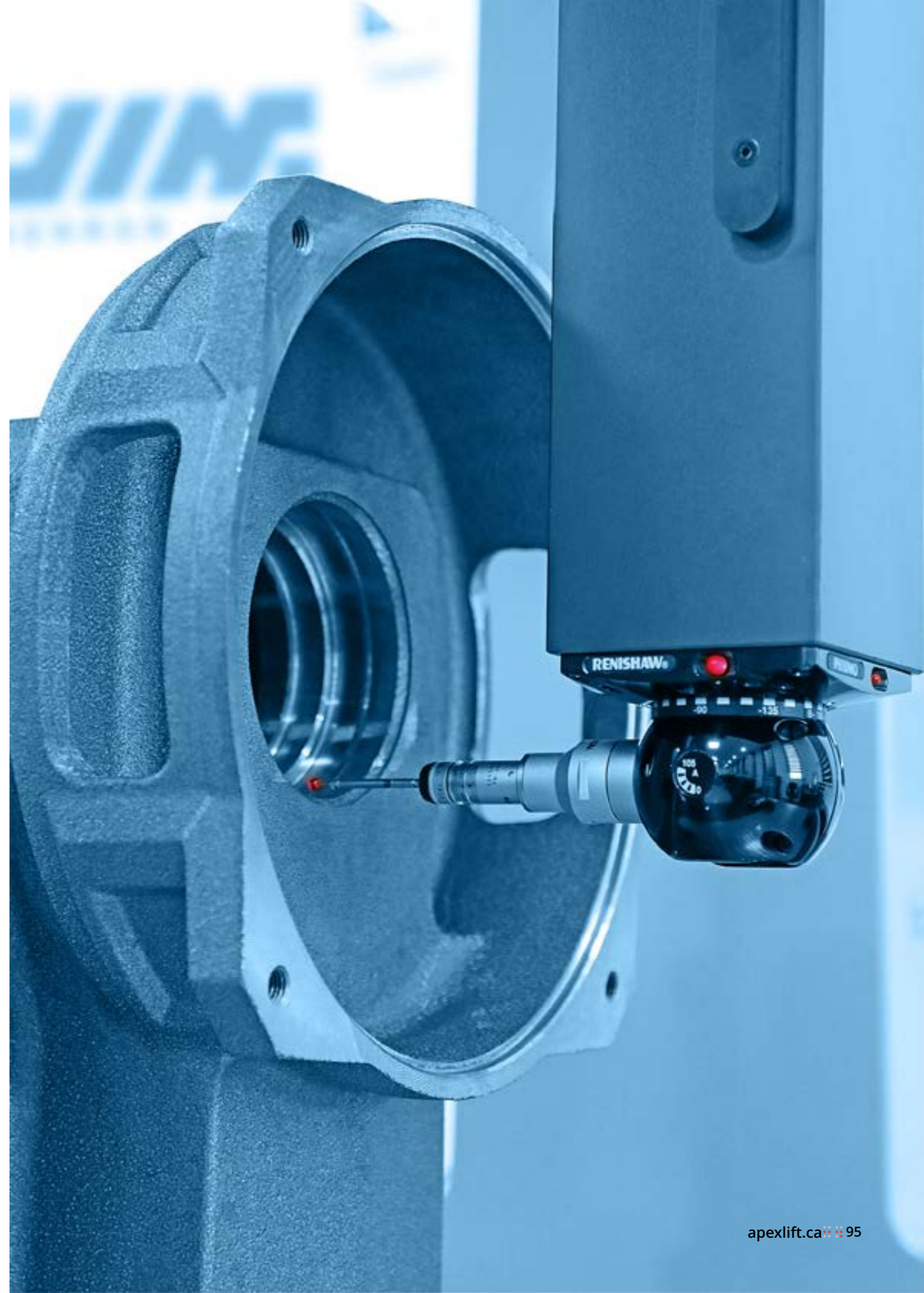


Transparent Plastic LED Display
(Optional)



Black Plastic Dot Matrix Display
(Optional)

INDICATOR



QUALITY CONTROL LABORATORY

Behran's advanced laboratory is equipped with the most modern testing and measuring equipment with the aim of ensuring quality and safety. In addition to this modern laboratory, Behran Industrial Group has used the necessary inspection methods in order to test its products in real conditions by setting up a 50 meter elevator test tower, having two test elevators with a maximum speed of 3 meters per second. Behran has also installed a 14 - meter - high Heavy - Duty escalator test tower in its premises which is the first in the Middle East. With these measures we have taken a major step toward improving the quality of our elevator & escalator products in line with European standards to be able to produce and market global quality products. Behran has set up a modern and in 2021 it has succeeded in obtaining the standard certificate ISO17025 as a reference laboratory from the national center for accreditation of Iran.



TOP STANDARD COMPANY OF 2021 & 2022



Behran Elevator and Escalator Industrial Group, in order to achieve its long-term goals, has always focused on the importance of the quality of its products. Therefore, with this attitude, Behran has been able to obtain the seal of approval and the standard mark of the National Standard Organization of Iran.

OTHER SUCCESSES



Standard Tuv intercert



European CE standard



National Standard of Iran



Standard MTIC intercert

SZUTEST

EN115 standard

SZUTEST

EN81-1standard

OTHER SUCCESSES

Increasing the production capacity of escalators by 2000 units per year
Expansion of 60,000 square meters of production space

Exploitation Spring of 2021

Exploitation Fall of 2021

prologue Fall of 2020

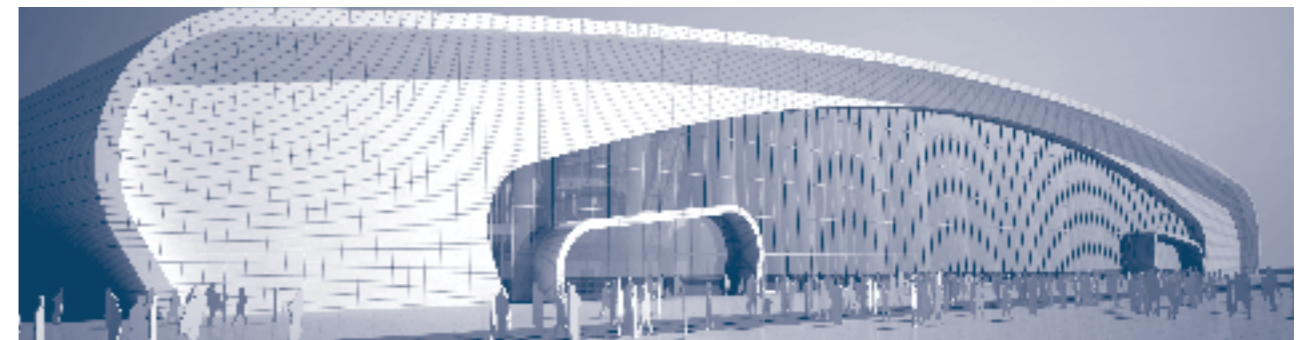
Tehran City

METRO | LINES 6 AND 7 OF TEHRAN



■ Elevator	■ Escalator
Metro Line 6 ----- 70 Units	Metro Line 6 ----- 98 Units
Metro Line 7 ----- 49 Units	Metro Line 7 ----- 177 Units

TEHRAN COMPLEXES



■ Elevator	■ Escalator
Parliament ----- 10 Units	Imam Khomeini Airport ----- 4 Units
Fayyaz Bakhsh Hosp ----- 24 Units	Refah chain store ----- 4 Units
Masih Daneshvari Hosp ----- 14 Units	



Railway of the Islamic Republic
of Iran-Tehran Station



Shemiran Center
Commercial Complex



Islamic Consultative
Assembly of Iran

All over IRAN



Ati Center Commercial Complex, Mashhad



IRI Railways Mashhad Station



Kourosh Center Commercial Complex, Kish Island



TABRIZ CITY



■ Elevator

- Tabriz World Trade Center --- 3 Units
- Tabriz Metro ----- 17 Units
- Great Mosque of Tabriz ---- 8 Units

■ Escalator

- Tabriz Metro ----- 83 Units

ALL OVER IRAN



■ Elevator

- Hashtgerd Metro ----- 8 Units
- Shemiran center ----- 7 Units
- Babolsar Aseman Tower ---- 4 Units
- Setareh Sarv complex ---- 6 Units

■ Escalator

- Mashhad Railway ----- 36 Units
- Kashan Municipality ----- 14 Units
- Shrine of Imam Masoumeh -- 2 Units
- Al-Zahra Society Institute --- 4 Units
- Omid Sepehr Mashhad ---- 10 Units
- Ati Center Mashhad Comp -- 4 Units
- Al-Bashir Company of Iraq -- 6 Units



Item	Project Name	City	Qty	Speed	Capacity	Stops	Type
1	Tabriz World Trade Tower	Tabriz	3	3	25	34	Passenger/Cargo
2	Shemiran Center Commercial and Administrative Complex	Tehran	6	2.5	13	22	Passenger/Cargo
3	Ofogh Ekbatan Residential and Commercial Complex	Tehran	37	2	13	19	Passenger/Cargo
4	Baharan Residential and Commercial Complex	Tehran	8	2	13	25	Passenger/Trolley Bed
5	Building of the Iranian Parliament	Tehran	10	1.6	13	13	Passenger/Cargo
6	Aseman Babolsar Residential Tower	Babolsar	4	2.5	13	31	Passenger/Cargo
7	Rozet, Kashani, Golestan	Tehran	18	2	21	20	Passenger
8	Ghadir residential complex	Tehran	3	2	21	25	Passenger
9	Firoozeh Shargh Mashhad Commercial and Administrative Complex	Mashhad	20	2	16	11	Passenger
10	Adima Residential Tower	Mazandaran	13	3	21	39	Passenger
11	Setaiesh Sari	Mazandaran	13	3	13	30	Passenger
12	Olympia Commercial Complex	Tehran	9	2	18	13	Passenger
13	Tetra Tower	Tabriz	14	2	13	23	Passenger
14	Rasht Stadium	Tehran	12	1.6	32	5	Passenger
15	LMall Shopping Center	Zanjan	13	1.6	30	11	Passenger/Cargo
16	Koorosh Brand Center Entertainment and Commercial Complex	Kish	2	1	13	5	Passenger
17	Adineh rasht commercial complex and multistorey car park	Rasht	9	1.6	20	14	Passenger
18	Masih Daneshvari Hospital	Tehran	14	1.6	27	12	Passenger/Trolley Bed
19	Ya Zahra of Dezful 400-bed hospital	Dezful	23	1.6	21	7	Passenger/Trolley Bed
20	Fayaz Bakhsh Hospital	Tehran	24	1.6	21	7	Passenger/Trolley Bed
21	200 bed vali-asr Hospital and Shahidzadeh Hospital	Bahbahan	11	1.6	26	5	Passenger/Trolley Bed
22	payambaran Hospital	Tehran	10	1.6	15	17	Trolley Bed
23	Urmia Women's Subspecialty Hospital	Aroumihyeh	10	1.6	21	9	Trolley Bed
24	Imam Reza (AS) Residential and Commercial Complex	Mashhad	6	2	18	22	Passenger
25	Tehran Mehrabad Airport	Tehran	1	1	13	2	Passenger
26	Refah Chain Store of Royal Park Building branch	Tehran	2	1.6	16	8	Passenger/Panorama
27	Sefid Tower	Mashhad	5	2.5	16	23	Passenger/Trolley Bed
28	TNT Complex	Mashhad	2	1.6	13	9	Passenger
29	Refah chain store of Zartosht and Qasredasht branches	Tehran	4	1	13	8	Passenger
30	Refah chain store of Jomhoori, molavi, khorasan square and Emam hossein(AS) branches	Tehran	4	0.8	26	5	Passenger



Item	Project Name	City	Qty	Speed	Capacity	Stops	Type
31	Salam building	Tehran	4	1.6	14	6	Passenger
32	Tehran Metro Line No. 6 elevators	Tehran	70	1.6	16	2	Passenger/Wheel Chair
33	Imam Khomeini Airport Metro Station	Tehran	8	1.6	18	3	Passenger/Wheel Chair
34	Tehran Metro Line No. 7 elevators	Tehran	49	1.6	16	2	Passenger
35	Elevators of Metro line No. 1 in Tabriz and its suburbs	Tabriz	17	1.6	16	2	Passenger
36	Shahre jadid Hashtgerd metro elevators	Tehran	8	1.6	21	2	Passenger
37	Refah Chain Store of Ghazvin branch	Qazvin	5	1	26	8	Passenger/Cargo
38	Mosalla mosque of Tabriz	Tabriz	8	1	16	3	Passenger
39	Mobina Rehabilitation Center	Tehran	3	1.6	14	14	Passenger
40	15 Khordad Qom residential complex	Qom	18	1	8	9	Passenger/Cargo
41	Pardisan Residential Complex - Mumtazin Qom	Qom	8	1	8	8	Passenger
42	Ahwaz Residential Complex	Qom	8	1	8	8	Passenger
43	Dezful residential complex	Qom	5	1	8	6	Passenger
44	Administrative building in Shiraz, Dezful, Ahvaz	Qom	6	1	8	4	Passenger
45	Kowsar Residential Complex - Phase No. 1	Aroumihyeh	22	1.6	13	17	Passenger
46	Kowsar Residential Complex - Phase No. 2	Aroumihyeh	14	1.6	13	16	Passenger
47	Gandhi and Jordan Towers	Tehran	3	1.6	14	14	Passenger
48	Mardas Commercial and Administrative Complex	Tehran	7	1.6	19	15	Passenger
49	Safir Commercial and Administrative Complex	Tabriz	7	1.6	16	9	Passenger
50	Matrix Administrative Complex (MSI)	Tehran	2	1.6	13	9	Passenger
51	River Side Commercial and Administrative Complex	Babolsar	2	1	13	5	Passenger
52	Hablend and Sadaf Commercial and Administrative Complex	Kish	1	1.6	16	8	Passenger
53	Mandegar Commercial and Administrative Complex	Aroumihyeh	4	2	21	15	Passenger
54	Imam Hussein (AS) Mosque in Qom	Qom	4	1	8	4	Passenger



Item	Project Name	Provice	No. of Escalators	Escalator Type
1	Tehran Metro Line Nr. 7	Tehran	177	Heavy Duty
2	Tehran Metro Line Nr. 6	Tehran	98	Heavy Duty
3	Imam Hossein main Meteor station, Line 6	Tehran	1	Heavy Duty
4	Imam Khomeini Airport City	Tehran	6	Heavy Duty
5	Tabriz Metro	East Azarbaizan	5	Heavy Duty
6	Tabriz Metro	East Azarbaizan	6	Heavy Duty
7	Tabriz Metro	East Azarbaizan	72	Heavy Duty
8	Tehran-Mashhad Rail way	Khorasan- Tehran	28	Heavy Duty
9	Merdas Project	Tehran	10	Commercial
10	Shamsolemareh Project	Tehran	8	Commercial
11	Alin Center	Tehran	8	Commercial
12	Toos Commercial Sports Complex	Tehran	6	Commercial
13	Saleh Abad Almas Project	Tehran	6	Commercial
14	Makrun Center	Tehran	6	Commercial
15	Ekbatan	Tehran	6	Commercial
16	Negin Cancer Specialists Center	Tehran	4	Commercial
17	Baharan Commercial Center	Tehran	2	Commercial
18	Pasargad Furniture Mall	Tehran	2	Commercial
19	Soldoosh Project	Tehran	2	Commercial
20	Aramis Tower	Tehran	4	Commercial
21	Atrim Complex	Tehran	6	Commercial
22	Remak Project	Tehran	8	Commercial
23	Bamdad Super Market	Tehran	2	Commercial
24	Gold Mall	Tehran	4	Commercial
25	Imam Khomeini Mosala	Tehran	2	Commercial
26	Meghvayee Hyper Market	Tehran	2	Commercial
27	Noor Commecial Complex	Tehran	6	Commercial
28	Paradis Commercial Complex	Tehran	6	Commercial



Item	Project Name	Provice	No. of Escalators	Escalator Type
29	Parand Mall	Tehran	3	Commercial
30	Ghazanfari Project	Tehran	2	Commercial
31	Ibrahim Mirzayee Commercial Complex	Tehran	2	Commercial
32	Mandegar	West Azarbaizan	6	Commercial
33	Ghanbaro Book Store	West Azarbaizan	2	Commercial
34	Part Hoter Commercial Complex	West Azarbaizan	4	Commercial
35	Lara Commercial Complex	East Azarbaizan	6	Commercial
36	Aipak Palace Commercial Complex	East Azarbaizan	4	Commercial
37	Imiam Khoemini Charity Foundation	East Azarbaizan	8	Commercial
38	Milad Commercial Complex	East Azarbaizan	4	Commercial
39	Miyabeh Commercial Complex	East Azarbaizan	1	Commercial
40	Arshad Commercial Complex	East Azarbaizan	2	Commercial
41	Agha Mall	Ardabil	4	Commercial
42	Reza Commercial Complex	Ardabil	8	Commercial
43	Forosha Commercial Complex	Alborz	6	Commercial
44	Karaj Municipality	Alborz	4	Commercial
45	Arya Nejad Commercial Complex	Alborz	4	Commercial
46	Palaris Store	Alborz	1	Commercial
47	Aras Mall Commercial Complex	Alborz	1	Commercial
48	Ice Mall Commercial Complex	Alborz	4	Commercial
49	Anahita Commercial Complex	Alborz	6	Commercial
50	Baran Commercial Complex	Alborz	2	Commercial
51	Sajadi Far Commercial Complex	Alborz	1	Commercial
52	City Centre	Isfahan	10	Commercial
53	Zarin Shahr City Center	Isfahan	8	Commercial
54	Aras Star Commercial Complex	Isfahan	2	Commercial
55	Alikhani metro Station	Isfahan	1	Commercial
56	Symbolic	Isfahan	6	Commercial



Item	Project Name	Provice	No. of Escalators	Escalator Type
57	parsian Commercial Complex	Booshehr	2	Commercial
58	Saebedaran City Center	Booshehr	2	Commercial
59	Morvarid Mall	Booshehr	2	Commercial
60	Ati Center	Khorasan Razavi	4	Commercial
61	Royal 1 Commercial Complex	Khorasan Razavi	1	Commercial
62	Azadi Parking	Khorasan Razavi	12	Commercial
63	Omid Sepehr Commercial Complex	Khorasan Razavi	10	Commercial
64	Hojat Mall	Khorasan Razavi	1	Commercial
65	Aseman Commercial Complex	khuzestan	6	Commercial
66	Setila Shopping Center	khuzestan	7	Commercial
67	Almas Shargh Commercial Complex	khuzestan	3	Commercial
68	Hendi Jun City Center	khuzestan	2	Commercial
69	Zanjan Al Mall	Zanjan	14	Commercial
70	Karballa Shrne	Najaf. Iraq	4	Commercial
71	Qoqnoos Tower	Semnam	4	Commercial
72	Galeh Dar Centrla Bazaar	Fars	5	Commercial
73	Negin Jahrom Shopping Center	Fars	2	Commercial
74	Niyayesh Qazvin Commercial Complex	Qazvin	4	Commercial
75	Qom Harir	Qom	9	Commercial
76	Ghasre-baneh Commercial Complex	Kordestan	6	Commercial
77	Star Commercial Complex	Kordestan	2	Commercial
78	Saqez Commercial Cultural Center	Kordestan	2	Commercial
79	Foroozeh Mal	Kerman	6	Commercial
80	Kerman Jooyar Commercial Complex	Kerman	2	Commercial
81	Hedayat Square Commercial Complex	Kermanshah	2	Commercial
82	Hubland	Kish	2	Commercial
83	Tala	Golestan	12	Commercial
84	Atlas Commercial Complex	Golestan	4	Commercial



Item	Project Name	Provice	No. of Escalators	Escalator Type
85	Galleria Commercial Complex	Golestan	4	Commercial
86	Rasht Golsar Commercial Complex	Gilan	2	Commercial
87	Hahijan Residantial Commercial Complex	Gilan	4	Commercial
88	Homafarn Commercial Complex	Mazandaran	6	Commercial
89	Oxin	Mazandaran	10	Commercial
90	Amin Commercial Complex	Mazandaran	3	Commercial
91	Hamedan Ati Center Commercial Complex	Hamedan	8	Commercial
92	Adineh rasht commercial complex and multi storey car park	Rasht	28	Commercial
93	Iran Complex in Farmaniyeh	Tehran	4	Commercial
94	Anahita Commercial Complex	Alborz	6	Commercial
95	Borje Sefid Investment Development Company	Khorasan Razavi	6	Commercial
96	Proma Commercial Complex	Tabriz	4	Commercial
97	Zarkam Industrial Research Company	Hashtgerd	3	Commercial
98	Ghasre Berelian	Semnam	2	Commercial
99	Ghoghnos Tower	Semnam	4	Commercial
100	Amol Memorial Commercial Complex	Amol	14	Commercial
101	Shiri Commercial Complex	Alborz	6	Commercial
102	Narenjestan Complex	Shiraz	2	Commercial
103	Dezful multi-storey car park	Dezful	6	Commercial
104	Ray Grand Bazaar	Shahr e Rey	2	Commercial
105	Ebrahim Mirzaei Commercial Complex	Pardis	2	Commercial
106	Rasht Stadium Commercial and Entertainment Complex	Rasht	23	Commercial
107	Everyad mall	West Azarbajjan	4	Commercial
108	Mahshahr Commercial and Administrative building	Mahshahr	6	Commercial
109	Baz Center Commercial and Administrative Complex	Alborz	8	Commercial
110	Armani TNT Commercial Complex	Alborz	8	Commercial



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