

Welcome to

TORINO

ELEVATOR

The first name in the world of

Elevators.

TORINO ELEVATORS

“The price of success: dedication, hard work, and an unremitting devotion to the things you want to see happen ”



LOCATIONS OF THE Company & Branches





TORINO ELEVATORS

WHO WE ARE ?

Torino Elevators is a company specialized in the sale, supply, installation and maintenance of high quality electric and hydraulic elevators and escalators in accordance with European standards.

The company was incorporated in the Kingdom of Saudi Arabia and has taken care to fully comply with the public safety standards and conditions and seek and as a result. It has been officially approved by the General Department of Civil Defense as a company that add here to the security and safety standards set by the department.

The Torino Elevator Company presented everything that is new and innovative in the world of elevators. It has become one of the most important companies operating in the Middle East, as it opened branches in most of the Gulf countries (Saudi Arabia, UAE). And a branch in the Arab Republic of Egypt.

As part of the company›s expansion and modernization of its products. The company has signed commercial representation agreements with major global elevator companies. Working with partners around the world for years. The company has provided high quality products to the community.

The work of Torino elevators depends on the strategy of diversifying its elevators according to international quality standards and providing them with modern aesthetic standards that meet the tastes of its customers.

Thanks to God and then to a team of experts with extensive experience. TORINO Elevators has achieved great achievements. such as the installation of more than 4000 elevators with high quality specifications in government facilities, commercial complexes, residential buildings. restaurants hotels. villas and palaces .



تـــورينـــو للمصـــاعـــد

من نحن؟

شركة تورينو للمصاعد هي شركة متخصصة في بيع وتوريد وتركيب وصيانة المصاعد والسلالم المتحركة الكهربائية والهيدروليكية عالية الجودة وفقًا للمعايير الأوروبية.

تأسست الشركة في المملكة العربية السعودية وقد حرصت على الامتثال الكامل لمعايير وشروط السلامة العامة والتماس ونتيجة لذلك. وقد تم اعتمادها رسمياً من قبل الإدارة العامة بالدفاع المدني كشركة تلتزم بمعايير الأمن والسلامة التي وضعتها الدائرة.

قدمت شركة تورينو للمصاعد كل ما هو جديد ومبتكر في عالم المصاعد. وقد أصبحت من أهم الشركات العاملة في الشرق الاوسط ، حيث فتحت فروعًا في معظم دول الخليج (السعودية ، الامارات) .وفرع في جمهورية مصر العربية

كجزء من توسعة الشركة وتحديث منتجاتها. وقعت الشركة اتفاقيات تمثيل تجاري مع كبرى شركات المصاعد العالمية. العمل مع شركاء حول العالم لسنوات. قدمت الشركة منتجات عالية الجودة للمجتمع.

يعتمد عمل مصاعد تورينو على إستراتيجية تنويع مصاعدها وفق معايير الجودة العالمية وتزويدها بمعايير جمالية حديثة تلبي أذواق عملائها.

الحمد لله وبعد ذلك فريق من الخبراء ذوي الخبرة الواسعة. حققت تورينو للمصاعد إنجازات عظيمة. مثل تركيب أكثر من ٤٠٠٠ مصعد بمواصفات عالية الجودة في المنشآت الحكومية والمجمعات التجارية والعمارات السكنية. مطاعم الفنادق. فيلات وقصور.



Maintenance service:

Maintenance and after-sales services are what distinguishes TORINO Elevators from other competitors Given the importance of these services in ensuring the safety and security of elevator users and maintaining the elevators themselves to operate with the highest efficiency and longer life, TORINO Elevators has given utmost importance through Continuous training and development for teams of maintenance engineers and technicians vans who are capable of repairing all faults and performing emergency and periodic maintenance works.

The maintenance department is considered one of the general and vital departments in the company. An Integrated management team works via an advanced electronic system to receive customer calls on a -24hour hotline, direct technical teams and organize work to complete maintenance tasks as soon as possible to ensure the safety of customers and gain their satisfaction. Lion and trust.

To ensure a faster response to emergency calls, the company has established hoed maintenance centers in most areas. and has provided maintenance teams with the latest satellite-related technologies or easy access to addresses.



خـدمـــة الصيـــانـــة:

خدمات الصيانة وما بعد البيع هي ما يميز تورينو للمصاعد عن المنافسين الآخرين نظرًا لأهمية هذه الخدمات في ضمان سلامة وأمن مستخدمي المصاعد والحفاظ على المصاعد نفسها للعمل بأعلى كفاءة وعمر أطول ، فقد أولت شركة تورينو للمصاعد أهمية قصوى من خلال التدريب والتطوير المستمر لفرق من مهندسي وفنيي الصيانة القادرين على إصلاح جميع الأعطال وأداء أعمال الصيانة الطارئة والدورية.

يعتبر قسم الصيانة من الأقسام العامة والحيوية في الشركة. يعمل فريق إدارة متكامل عبر نظام إلكتروني متطور لاستقبال مكالمات العملاء على الخط الساخن على مدار ٢٤ ساعة وتوجيه الفرق الفنية وتنظيم العمل لإتمام مهام الصيانة في أسرع وقت ممكن لضمان سلامة العملاء وكسب رضاهم. الأسد والثقة.

لضمان استجابة أسرع لمكالمات الطوارئ، أنشأت الشركة مراكز صيانة في معظم المناطق. وقد زود فرق الصيانة بأحدث التقنيات المتعلقة بالأقمار الصناعية أو سهولة الوصول إلى العناوين.



Maintenance service:

Periodic maintenance teams are technical teams specialized in scheduled periodic maintenance. They carefully inspect all parts of the elevator to determine the technical validity and quality of work of each piece of the elevator, in addition to preventive maintenance work such as lubrication, changing machine oils, gears, railways, and others.

Troubleshooting learns that the task of these teams is to repair all faults efficiently and to ensure that the lift returns to normal operation as quickly as possible.

Emergency maintenance team. Teams that respond very quickly to all emergency errors that require an immediate, high-speed response, the elevator, and the safety and security of their users. These teams operate 24 hours a day throughout the year, including holidays and public holidays. All maintenance teams include engineers and technicians from different nationalities to ensure good communication with customers.



خـدمـــة الصيـــانـــة:

فرق الصيانة الدورية هي فرق فنية متخصصة في أعمال الصيانة الدورية المجدولة، وتقوم بالفحص الفني لجميع أجزاء المصعد بعناية لتحديد صلاحية وجودة عمل كل قطعة من المصعد فنياً، بالإضافة إلى أعمال الصيانة الوقائية مثل التشحيم وتغيير زيوت الماكينة والتروس والسكك الحديدية وغيرها.

تعلم صيانة الأعطال أن مهمة هذه الفرق هي إصلاح جميع الأعطال بكفاءة عالية والتأكد من عودة المصعد للعمل بشكل طبيعي في أسرع وقت ممكن.

فريق صيانة الطوارئ. الفرق التي تستجيب بسرعة كبيرة لجميع أخطاء الطوارئ التي تتطلب استجابة فورية وعالية السرعة والمصعد وسلامة وأمن مستخدميها. تعمل هذه الفرق ٢٤ ساعة في اليوم على مدار العام، بما في ذلك الإجازات والأعياد الرسمية. تضم جميع فرق الصيانة مهندسين وفنيين من جنسيات مختلفة لضمان التواصل الجيد مع العملاء.

TORINO Tracking System:

We strive to achieve the best in our work on a program developed according to international standards.

Features of TORINO Tracking System:

Locate and save the addresses and locations of our customers on the map.

- » Follow-up of technicians and maintenance teams via satellite.
- » Find the nearest emergency technician to ensure the fastest arrival of the customer’s location.
- » Sending periodic maintenance requests through a special program automatically and regularly to ensure the accuracy of the appointments
- » Detailed elevator status reports with photos.
- » Inform the customer of the periodic maintenance times via e-mail, text messages and WhatsApp application.

Regular maintenance ensures that the elevator is efficient and meets all safety and security requirements of usage.



نظام التتبع في تورينو:

نسعى جاهدين لتحقيق الأفضل في عملنا على برنامج تم تطويره وفقًا للمعايير الدولية.

ميزات نظام التتبع في تورينو:

تحديد وحفظ عناوين ومواقع عملائنا على الخريطة.

- متابعة الفنيين وفرق الصيانة عبر الأقمار الصناعية.
- ابحث عن أقرب فني طوارئ لضمان أسرع وصول لموقع العميل.
- إرسال طلبات الصيانة الدورية من خلال برنامج خاص بشكل آلي ومنتظم للتأكد من دقة المواعيد
- تقارير مفصلة عن حالة المصعد مع الصور.
- إبلاغ العميل بمواعيد الصيانة الدورية عبر البريد الإلكتروني والرسائل النصية وتطبيق الواتساب.

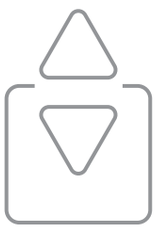
تضمن الصيانة المنتظمة أن المصعد فعال ويلبي جميع متطلبات السلامة والأمان للاستخدام.

Types of elevators:

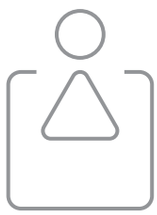
- Personnel Lifts
- Cargo Elevators
- Complex Elevators
- Hospital Elevators
- Panorama Elevators
- Car Lifts
- Elevators Without Machine Room
- Home Elevators
- Elevators For The Disabled
- Electric Lifts
- Escalators

أنواع المصاعد:

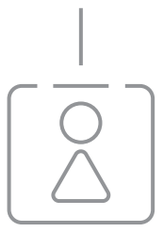
- مصاعد الأفراد
- مصاعد البضائع
- مصاعد المجمعات
- مصاعد المستشفيات
- مصاعد بانوراما
- مصاعد سيارات
- المصاعد بدون غرفة الماكينة
- مصاعد المنازل
- مصاعد للمعاقين
- مصاعد كهربائية
- سلالم متحركة



Elevators.



Passenger's lift



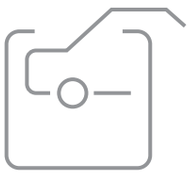
Panoramic lift



Home Lift



Hospital Lifts.



Car lifts



Cargo's lifts



Escalators



Moving Walks



Parking system

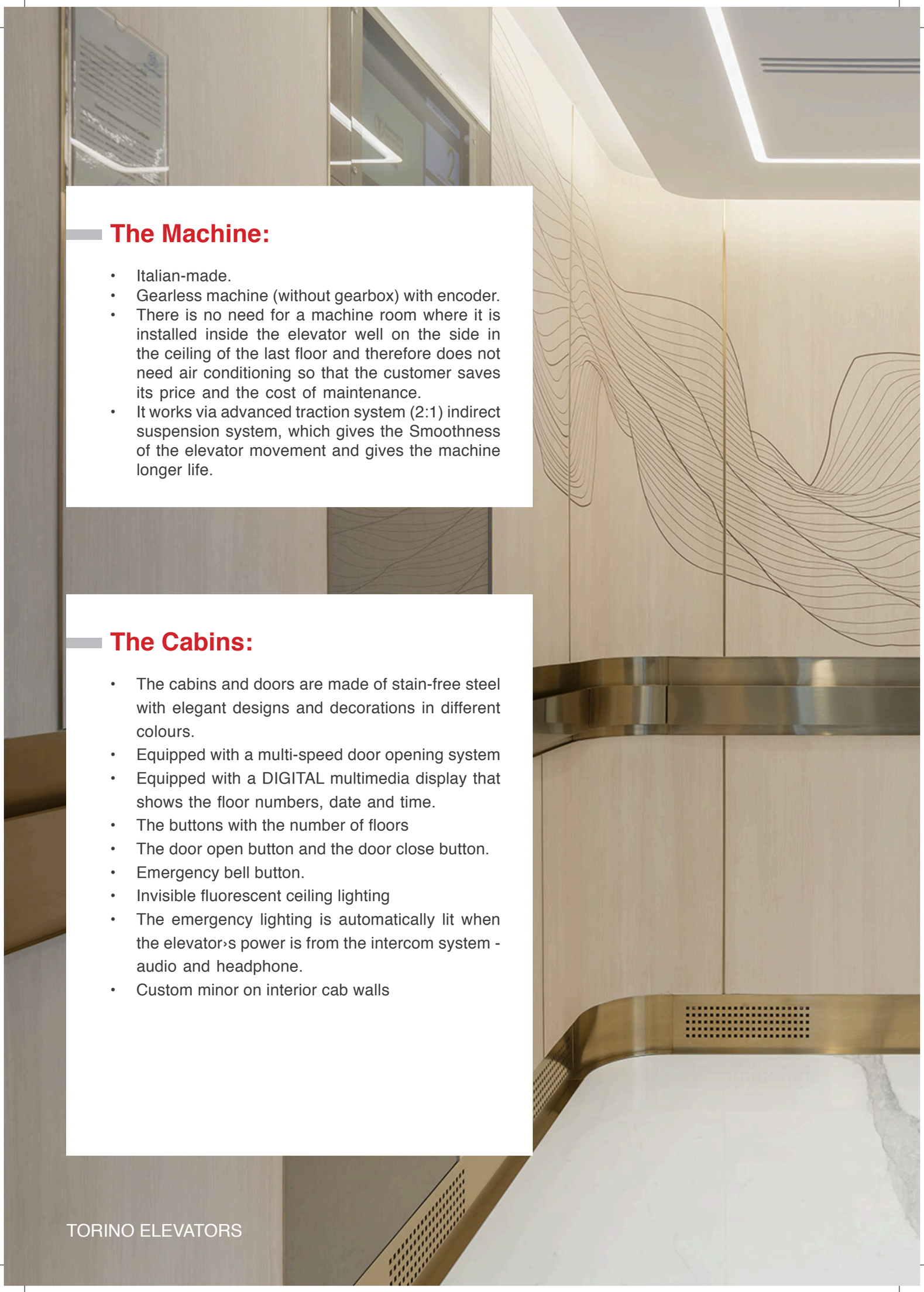
TORINO Plus:

As part of its permanent plans to develop its products. after extensive studies carried out by TORINO elevators company for all the problems faced by elevator users In terms of security, safety, smoothness, easy movement and annoying sounds, the company reached a special design called “TORINO Plus” elevator through which all the problems mentioned previously were treated and created perfect solutions, and added a lot of special specifications and accessories and elegant touches and high-end cabins ands and took into account all the requirements and standards of European security and safety

تـــورينـــو بـلـس:

كجـزء مـن خططهـا الدائمـة لتطويـر منتجاتهـا. بعـد دراسـات مسـتفيضة أجرتهـا شـركة تورينـو للمصاعـد لجميـع المشـاكل التـي تواجـه مسـتخدمي المصاعـد مـن حيـث الأمـن والسـلامة والنعومـة وسـهولة الحركـة والأصـوات المزعجـة ، توصلـت الشـركة إلـى تصميـم خـاص يسـمى مصعـد تورينـو بلـس يتـم مـن خلالـه ذكـر جميـع المشـاكل سـابقاً تمـت معالجتهـا وإنشـاء حلـول مثاليـة ، وإضافـة الكثيـر مـن المواصفـات والإكسسـوارات الخاصـة واللمسـات الأنيقـة والكبائـن والكبائـن الراقيـة ومراعـاة جميـع متطلبـات ومعاييـر الأمـن والسـلامة الأوروبيـة

التوجيـه الأوروبي / 2/33/2014 / EN81-1



The Machine:

- Italian-made.
- Gearless machine (without gearbox) with encoder.
- There is no need for a machine room where it is installed inside the elevator well on the side in the ceiling of the last floor and therefore does not need air conditioning so that the customer saves its price and the cost of maintenance.
- It works via advanced traction system (2:1) indirect suspension system, which gives the Smoothness of the elevator movement and gives the machine longer life.

The Cabins:

- The cabins and doors are made of stain-free steel with elegant designs and decorations in different colours.
- Equipped with a multi-speed door opening system
- Equipped with a DIGITAL multimedia display that shows the floor numbers, date and time.
- The buttons with the number of floors
- The door open button and the door close button.
- Emergency bell button.
- Invisible fluorescent ceiling lighting
- The emergency lighting is automatically lit when the elevator›s power is from the intercom system - audio and headphone.
- Custom minor on interior cab walls



الماكينه:

- صناعة إيطالية.
- آلة بدون تروس (بدون علبة تروس) مع جهاز تشفير.
- لا داعي لوجود غرفة ماكينات حيث يتم تركيبها داخل بئر المصعد على الجانب في سقف الطابق الأخير وبالتالي لا تحتاج إلى تكييف
- يعمل من خلال نظام الجر المتقدم (١:٢) نظام التعليق غير المباشر ، والذي يعطي نعومة لحركة المصعد ويمنح الماكينة عمرًا أطول وعزم اكبر

الكبائن:

- الكبائن والأبواب مصنوعة من الفولاذ الخالي من البقع بتصميمات وديكورات أنيقة بألوان مختلفة.
- مزود بنظام فتح باب متعدد السرعات
- مزود بشاشة رقمية DIGITAL متعددة الوسائط وتظهر ارقام الطوابق والتاريخ والوقت.
- الأزرار مع عدد الطوابق
- زر فتح الباب وزر إغلاق الباب.
- زر جرس الطوارئ.
- إضاءة السقف الفلورية الخفية
- تضاء إضاءة الطوارئ تلقائيًا عندما تكون طاقة المصعد من نظام الاتصال الداخلي – صوت وسماعة رأس.
- طفيفة مخصصة على جدران الكابينة الداخلية

TORINO

MACHINE



TORINO ELEVATORS



TORINO ELEVATORS

ARGANO
TRACTION MACHINE
TO 450

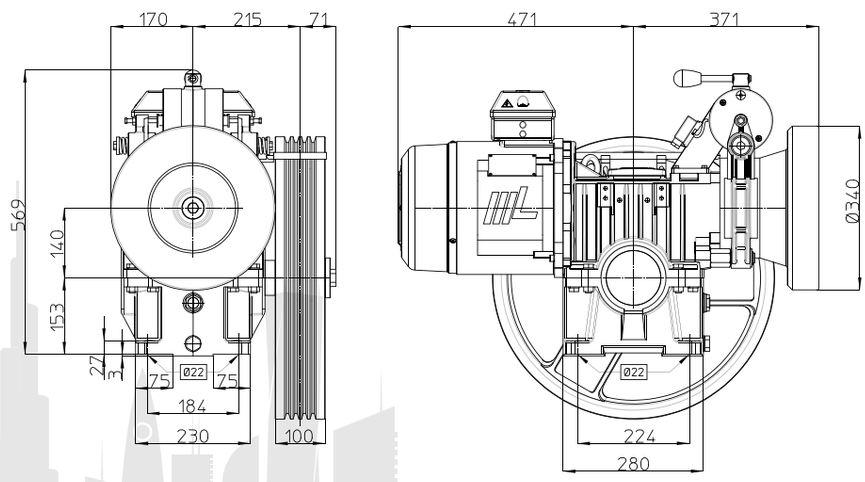
Progettato e costruito in accordo
alla Direttiva Europea 2014/33/UE - EN 81.20

Designed and manufactured in compliance
with European Lift Directive 2014/33/UE - EN 81.20



Argano di nuova concezione per impianti 550kg – 630kg con velocità fino a 1 m/s. È costruito con materiale e componenti di nuova concezione a garanzia di prestazioni ottimali e stabili nel tempo. Si caratterizza dalla vantaggiosa posizione del volano sul lato opposto al motore, con il rotore calettato direttamente sull'albero della vite senza fine, senza giunti di collegamento. Ha una carcassa divisa (superiore ed inferiore), la vite senza fine posizionata su bronzine e cuscinetti assiali SKF di precisione, l'albero lento su nuovi cuscinetti di precisione. Sia la vite senza fine che l'albero lento sono in acciaio speciale legato e controllato ad ultrasuoni. In particolare la vite senza fine, cementata e temprata, viene costruita con un innovativo procedimento per minimizzarne la rugosità superficiale dei fianchi. La corona è in bronzo al nichel centrifugato e la puleggia di trazione è in ghisa sferoidale (EN-GJS-700-2 UNI EN 1563) con durezza minima pari a 240 HB (altissima resistenza all'usura). È dotato di ventilatore per un ottimale raffreddamento, olio sintetico poliglicolico e verniciatura ad alta resistenza. È facilimente smontabile (motore Motorlift, volano, freno e puleggia) per un facile trasporto in sala macchine ed installazione su impanto. Altre caratteristiche tecniche che pongono il nuovo argano MG630 al vertice della tecnologia degli argani per ascensori e montacarichi sono: livello di rumorosità compreso tra 52dB e 54dB in normali condizioni di utilizzo ed inferiore ai 60dB con ventola di raffreddamento in azione (IEC 39-4; CEI EN 60034-9), vibrazioni orizzontali inferiori a 0,7 mm/s (IEC 34-14; CEI 2-23), freno elettromagnetico a doppia azione indipendente (anche elettrica/doppia bobina), facile manutenzione. L'argano MG630 è disponibile anche con supporto esterno auto allineante per i maggiori carichi statici).

New concept traction machine for 550kg-630kg duty loads with speed up to 1 m/s. Compact design, built with avant-guarde materials and components to guarantee superior performance and durability over the time. It has rotor (Motorlift) directly mounted on worm shaft, without connection fittings (A4) and flywheel placed opposite to the motor. The body of the gear box is made into two parts: upper and lower. Worm shaft is carbon hardened and is running on high precision bronze bushings and on utmost quality ball bearings. Worm wheel, running on roller bearings, is made by special alloy (centrifuged bronze with nickel) and sheave is made by spheroid cast iron (EN-GJS-700-2 UNI EN 1563). MG630 is complete with synthetic oil (3,5 litres) and electric fan for optimal airflow cooling. Its user-friendly design is assuring extremely easy disassembly of the MG630 machine: Motorlift stator and rotor, flywheel, brake and traction sheave, allowing wasy transport and handling into machine rooms, even when located in not easily accessible places. Other technical features that set MG630 at the top of traction machines technology are: noise level between 52dB and 54dB in normal conditions of use, less than 60dB also with cooling fan in action (IEC 39-4; CEI EN 60034-9); horizontal vibrations level minor than 0.7 mm/s (complying with IEC 34-14; CEI 2-23); electromagnetic brake with independent double action (double coil); high resistance painting.The gearbox MG630 is also available with self-levelling external support, for higher static loads.



ARGANO / TRACTION MACHINE TO 450

DATI TECNICI - TECHNICAL DATA

Interasse - Distance between slow and fast shafts	**140 mm**
Carico statico max. - Max static load	**3.200 Kg** (senza supporto esterno)(without external support) **3.850Kg** (con supporto esterno)(with external support)
Coppia massima in uscita - Max output torque	**1.425 Nm**
Rapporti di riduzione - Reduction ratio	**1/53 - 1/44 - 37/1 - 43/2**
Potenza motore max. - Max motor power	**6.8 KWasy (AC2) - 8.1 KWasy (VVVF)**
Tipo motore - Motor type	**AC2, VVVF**
Efficienza media riduttore - Average gear efficiency	**0.75**
Diametri pulegge di trazione - Diameter of traction sheave	**mm 480, mm 560, mm 600**
Elettromagnete freno - Electromagnetic brake	**24V, 48V, 60V, 110V, 200V**
Olio sintetico - Synthetic oil	**3,5 lt** (lubrificato a vita) - (lubricated for life)
Peso medio argano - Average weight of the machine	**260 Kg**

ESEMPI DI PRESTAZIONI E DATI TECNICI - SAMPLE PERFORMANCE AND TECHNICAL DATA

	Portata Load (Kg)	Velocità Speed (m/s)	Rapporto di riduzione Reduction ratio	Diametro puleggia Sheave diameter (mm)	Potenza motore AC2 Motor power AC2 KWasy (Hp)	Potenza motore VVVF Motor power VVVF KWasy (Hp)
50 Hz	**630**	**0.83**	**53/1**	**560**	**6.1 (9.0 Hp)**	**6.1 (9.0 Hp)**
	630	**1.00**	**44/1**	**560**	**6.8 (10.0 Hp)**	**6.8 (10.0 Hp)**
	630	**1.75**	**43/2**	**480**	**-**	**10.1 (15.0 Hp)**
	750	**1.02**	**37/1**	**480**	**-**	**7.6 (11.0 Hp)**
	800	**1.02**	**37/1**	**480**	**-**	**8.1 (12.0 Hp)**
60 Hz	**630**	**0.85**	**53/1**	**480**	**6.1 (9.0 Hp)**	**6.1 (9.0 Hp)**
	630	**1.00**	**53/1**	**560**	**6.8 (10.0 Hp)**	**6.8 (10.0 Hp)**
	630	**1.20**	**44/1**	**560**	**-**	**8.1 (12.0 Hp)**
	630	**2.00**	**43/2**	**480**	**-**	**11.5 (17.0 Hp)**
	750	**1.02**	**44/1**	**480**	**-**	**7.6 (11.0 Hp)**
	800	**1.02**	**44/1**	**480**	**-**	**8.1 (12.0 Hp)**

SUMMARY

MEGA MG630

Carcassa compatta divisa in due metà (superiore ed inferiore), completo di motore, freno, puleggia senza suporto esterno, massino carico statico pari a 3.200 Kg.

Compact body divided into upper and lower parts, complete with motor, brake, traction sheave without external support, 3.200 Kg max static load.

MEGA MG630S

Carcassa compatta divisa in due metà (superiore ed inferiore), completo di motore, freno, puleggia con suporto esterno in ghisa per massino carico statico pari a 3.850 Kg.

Compact body divided into upper and lower parts, complete with motor, brake and traction sheave with cast iron external support, up to 3.850kg max static load.



ZA top SM180 - Gearless elevator machine

ZAtop SM180 – Gearless elevator machine for smallest shaft dimensions

Narrow design and compact installation width of 256mm designed for smallest shaft dimensions. With traction sheaves of ٢٠٠ mm to ٢٤٠ mm and it´s combination with steel ropes, the ZAtop SM١٨٠ is the optimum solution for the typical load range of ٤٥٠ to ١,٠٥٠ kg.This is how technology looks to the future. www.ziehl-abegg.com

Your advantages:

- Simple to install
- Installation between car and wall
- Machine width of only 256 mm
- In case of distance ≤ ٣٠٠ mm between car and wall, no balustrade required
- Smallest possible shaft head
- Mechanical hand release as an option
- Bowden wire for brake release as an option
- Reliable calculation with ZIEHL-ABEGG ZAlift calculation software



The distinction of the Royal League represents the highest of quality standards

Our products fulfil extremely high quality standards, are inspected to ensure they are of the highest quality and are certified by independent test institutes.Each individual product leaves our factory following a stringent quality control process after which they can be given the distinction "The Royal League".



ZAlift - Calculation software

The best program to help you to configure our drive package for your elevator. Using your input, ZAlift selects the perfect combination of drive motor and frequency inverter.

ZAlift additionally offer great features to ease your design work for installation, operation and acceptance.

ZAlift functions

- Component selection for drive package
- Calculation for acceptance
- Information for installation
- Comprehensive rope database
- Backup of your calculation data

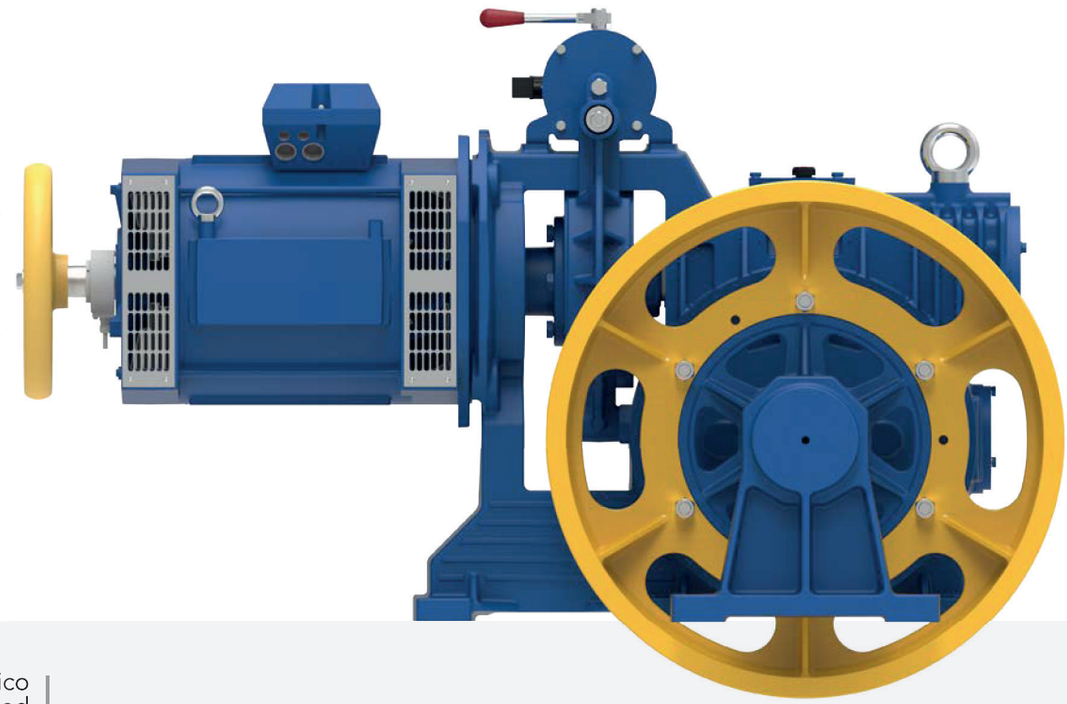


Montanari Group
GEARLESS&GEARBOX
TRACTION MACHINES

ARGANO
GEARBOX
TREUIL
GETRIEBE
REDUCTOR

RANGE
M98

TOP
SELLER
1250 - 1600 kg
1,6 - 1 m/s
T.S. 520 - 580 mm

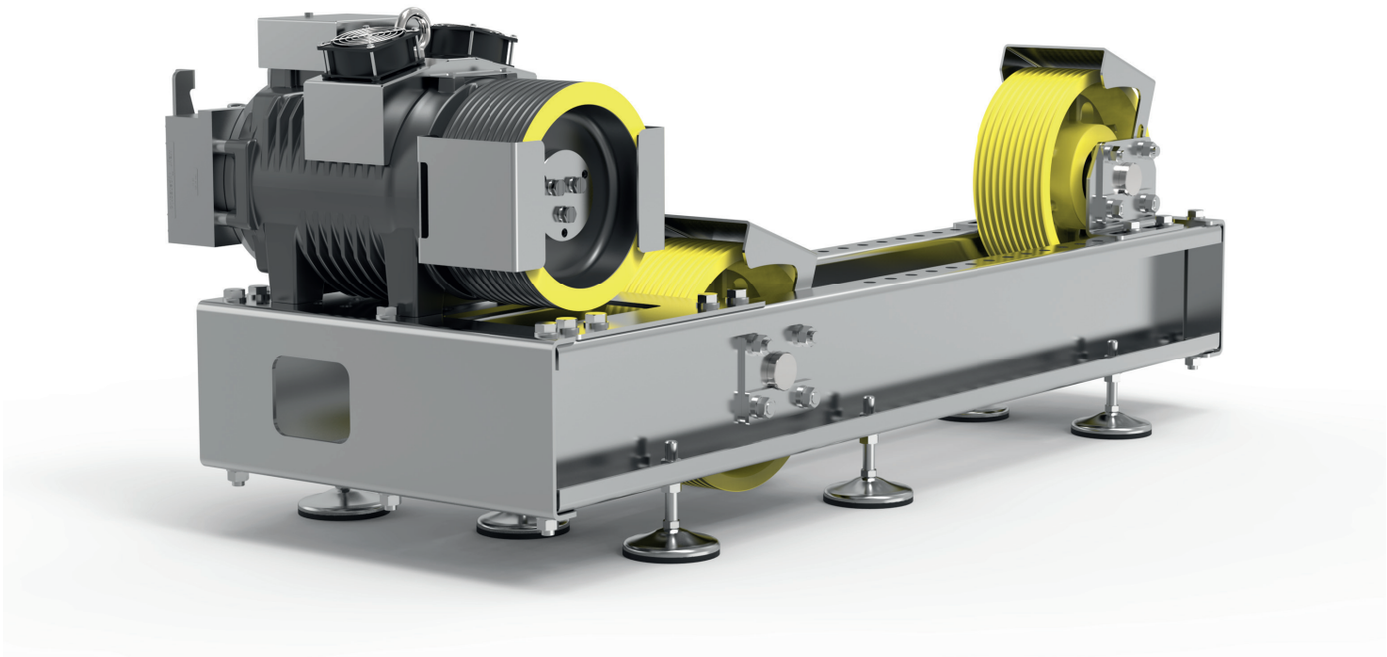


Carico Statico Static Load Charge Statique Statische Belastung Carga Estática	**M98/M98H/M98HB** - 7000 kg **M98HAL** - 5100 kg
Motori Motor Moteurs Motoren Motores	VVVF 4 - 6 P AC2 4/16 - 6/24 P
Peso Riduttore Reductor Weight Poids Reducteur Getriebe Gewicht Peso Reductor	M98 - 480 kg M98H/HB - 402 kg M98HAL - 460 kg
Capacità Olio Oil Capacity Capacité Huile Ölmenge Capacidad Aceite	M98 - 9 l M98H - 12 l

Rapporti Ratio Rapport Übersetzung Reducción	Momento torcente Torque Moment Moment de Torsion Torsionsmoment Par de Torsion	Rendimento Efficiency Rendement Wirkungsgrad Rendimiento	
	Nm	1500/1800 RPM	1000/1200 RPM
1/65	3350	0.70	0.63
1/52	3593	0.72	0.67
1/47	3343	0.73	0.69
1/37	3501	0.76	0.72
2/61	3013	0.81	0.80
2/49	3146	0.83	0.79
4/57	2141	0.89	0.87

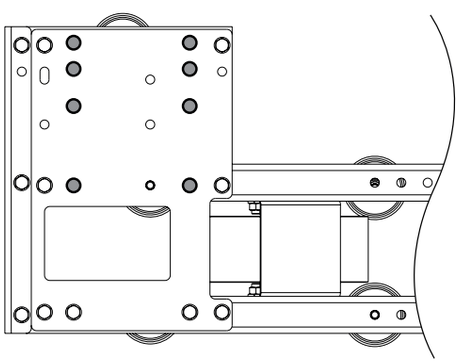
Telaio & Protezioni
Bedplate & Safety guards
Chassis & Protections
Maschinenrahmen & Seilschützbügeln
Bancada & Protecciónes

#107-109



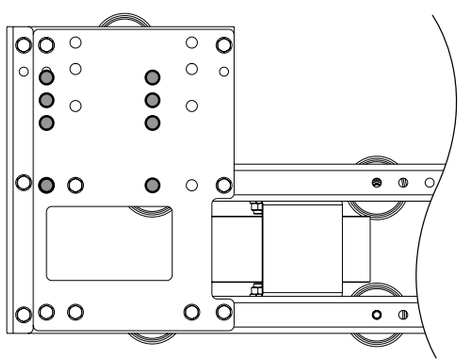
Fori di fissaggio telaio XTE2062 per:
Fixing holes XTE2062 bedplate for:

SG40HF, SG48



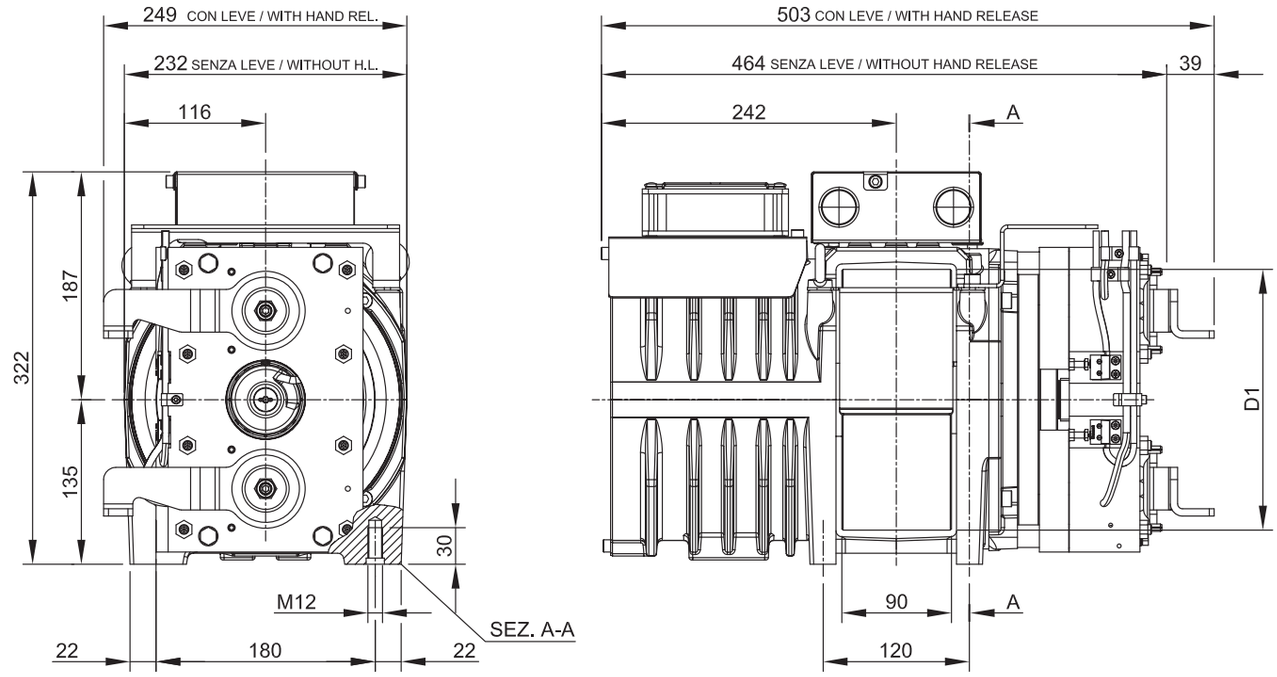
Fori di fissaggio telaio XTE2062 per:
Fixing holes XTE2062 bedplate for:

SG10, SG15, SG22, SG30



GAMMA PULEGGE COMPATIBILI CON IL TELAIO
RANGE OF COMPATIBLE PULLEYS WITH THE FRAME

Puleggia di Deviazione *Diverting Pulley* D[mm]	E[mm]	n°gole x D *n°grooves x D*	Ø Funi *Ø Ropes*	Interasse Gole *Grooves Distance* I[mm]
160	125	max 10	6 - 6,2 - 6,5 - 6,7 - 8	12
240	125			
320	125			



Modello *Model*	Ø D1 [mm]	Peso Massimo *Max Weight* [kg]	Inerzia *Inertia* [kgm²]	Sistema Avvolgimento *Roping System*	Coppia *Torque* S3 40% [Nm]	Carico Statico Max *Max Static Load* [kN - kg]	Potenza Massima ** *Max Power* ** [kW]
SGS4135B	120	95	0,05	CSW *	90	19,6 - 2000	2,9
	160		0,06				
	200		0,10				
	210		0,13				

Specifiche Freno *Brake Specifications*		
Coppia Frenante *Braking Torque*	2x180	[Nm]
Tensione di Alimentazione Standard *Standard Supply Voltage*	207	[V DC]
Potenza *Power*	2x68	[W]
Grado di Protezione *Degree of Protection*	IP10	

Specifiche Encoder Standard *Standard Encoder Data*		
Tipo *Type*	Absolute EnDat	
Modello *Model*	Heidenhain ECN 1313	
Risoluzione *Postions values/rev*	2048 imp/giro 13 bits	
Grado di Protezione *Degree of Protection*	IP40	
Lunghezza Cavi Standard *Standard Cable Length*	10	[m]

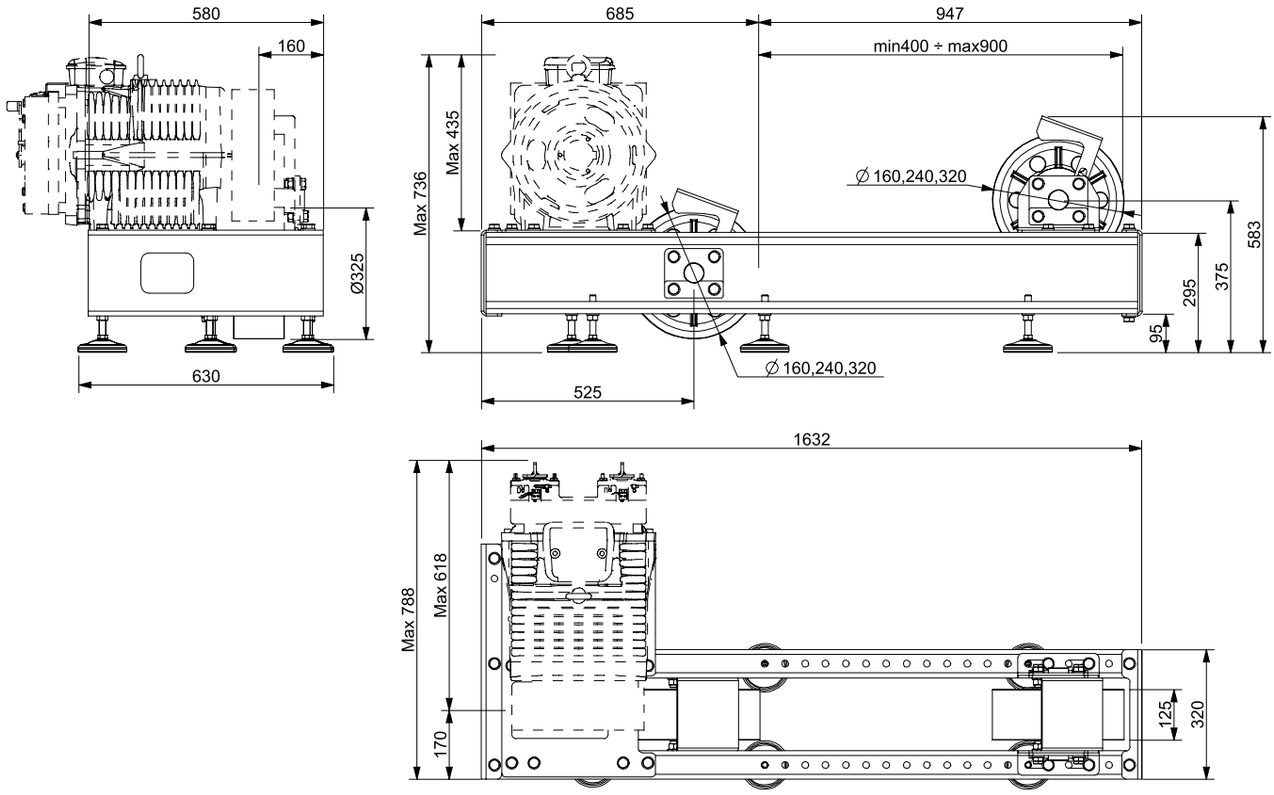
Dati ventilazione *Ventilation data*		
Tensione *Voltage*	[V]	230
Potenza *Power*	[W]	1x16

*) CSW : Sistema di avvolgimento convenzionale.

) CSW : Conventional single wrap.

***) Dati esemplificativi; per valutazioni più dettagliate si consiglia l'utilizzo del nostro configuratore prodotto.*

***) Sample data; for more detailed evaluations we recommend our product configurator.*



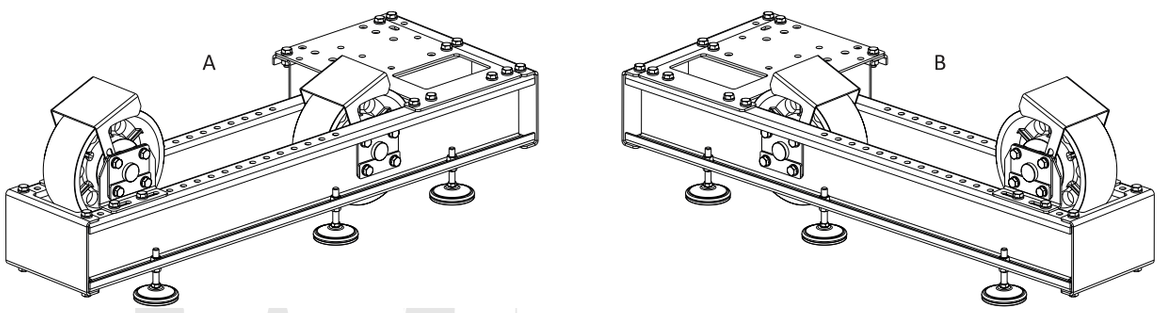
Telaio codici:
XTE2062 (SG10/SG15/SG22/SG30/SG40HF/SG48)
Telaio comprende i tamponi antivibranti
Peso del telaio: 158 kg

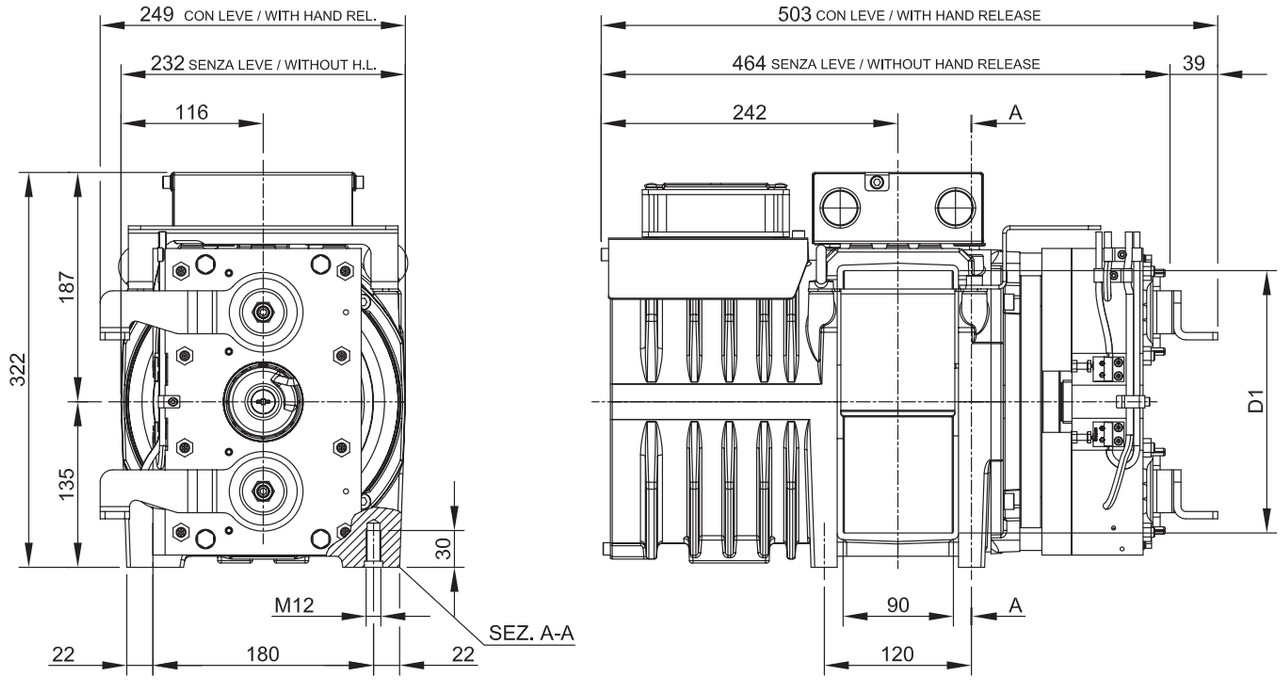
XTE5481 (SG38)
Telaio comprende i tamponi antivibranti
Peso del telaio: 162 kg

Machine Bedplate codes:
XTE2062 (SG10/SG15/SG22/SG30/SG40HF/SG48)
The bedplate includes vibration dampers
Bedplate weight: 158 kg

XTE5481 (SG38)
The bedplate includes vibration dampers
Bedplate weight: 162 kg

Posizione di installazione
Installation Position





Modello *Model*	Ø D1 [mm]	Peso Massimo *Max Weight* [kg]	Inerzia *Inertia* [kgm²]	Sistema Avvolgimento *Roping System*	Coppia *Torque* S3 40% [Nm]	Carico Statico Max *Max Static Load* [kN - kg]	Potenza Massima ** *Max Power* ** [kW]
SGS6135B	120	100	0,07	CSW *	145	19,6 - 2000	4,8
	160		0,08				
	200		0,12				
	210		0,15				

Specifiche Freno *Brake Specifications*		
Coppia Frenante *Braking Torque*	2x180	[Nm]
Tensione di Alimentazione Standard *Standard Supply Voltage*	207	[V DC]
Potenza *Power*	2x68	[W]
Grado di Protezione *Degree of Protection*	IP10	

Specifiche Encoder Standard *Standard Encoder Data*		
Tipo *Type*	Absolute EnDat	
Modello *Model*	Heidenhain ECN 1313	
Risoluzione *Postions values/rev*	2048 imp/giro 13 bits	
Grado di Protezione *Degree of Protection*	IP40	
Lunghezza Cavi Standard *Standard Cable Length*	10	[m]

Dati ventilazione *Ventilation data*		
Tensione *Voltage*	[V]	230
Potenza *Power*	[W]	1x16

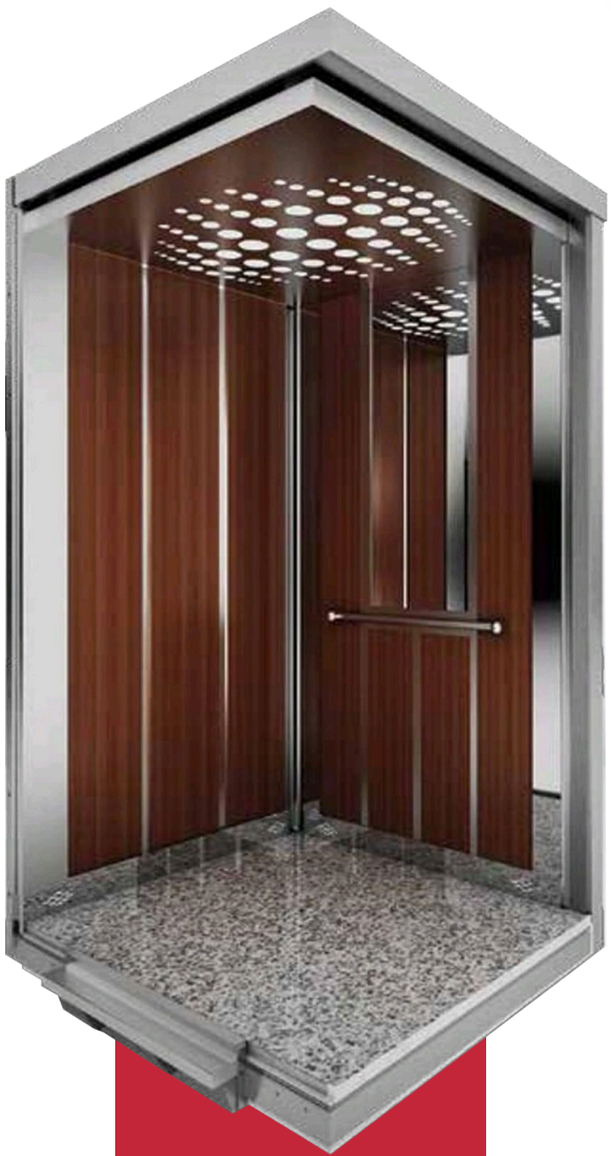
*) CSW : Sistema di avvolgimento convenzionale.

) CSW : Conventional single wrap.

***) Dati esemplificativi; per valutazioni più dettagliate si consiglia l'utilizzo del nostro configuratore prodotto.*

***) Sample data; for more detailed evaluations we recommend our product configurator.*

تصميم الكبائن



تتميز شركة مصاعد تورينو

بوجود احدث التصميمات العالمية والمحلية والتي يمكن للعميل الاختيار منها علي نطاق واسع وفق احدث التقنيات الحديثة والتي تتميز بوجود احدث مكاين الليزر في التصميم واستخدام الدهان الحراري في جميع مراحل المصعد والذي يتميز بمقاومة الصدا اضعاف الدهان العادي ووجود اختيارات مختلفة في انواع الرخام واسقف الليزر.

يتم تصميم الكابينه على الاختيارات الاتيه

- اختيار ديكور الخشب او الاستيل
- اختيار نوع الاستيل فضى او ذهبى
- اختيار نقشة الاستيل او تصميم الخشب
- اختيار شكل الرخام وشكل السقف
- اختيار شكل الطلب الداخلى والخارجى

TORINO ELEVATORS

CATEGORY
OF ELEVATOR



TO-001



TO-002



TO-003



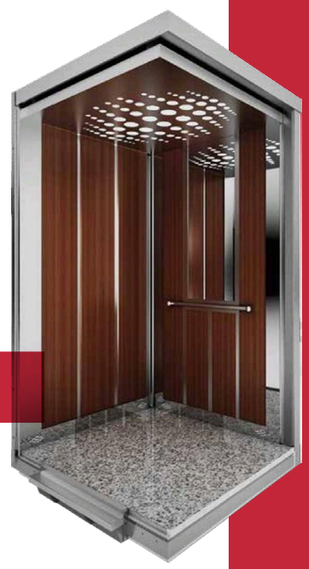
TO-004



TO-005



TO-006



TO-007



TO-008



TO-009



TO-010



TO-011



TO-012



TO-019



TO-020



TO-021



TO-022



TO-023



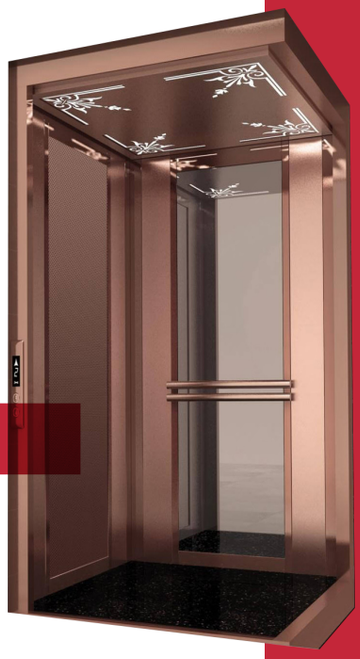
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TO-031



TO-032



TO-033



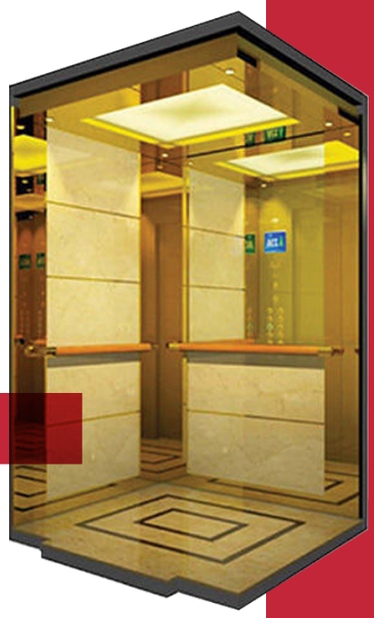
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TO-035



TO-036



TO-037



TO-038



TO-039



TO-040



TO-041

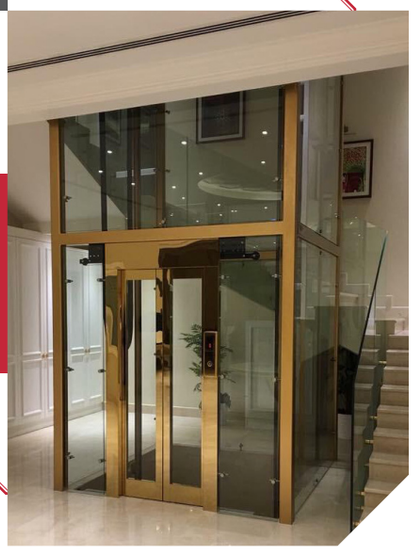


TO-042



PANORAMA

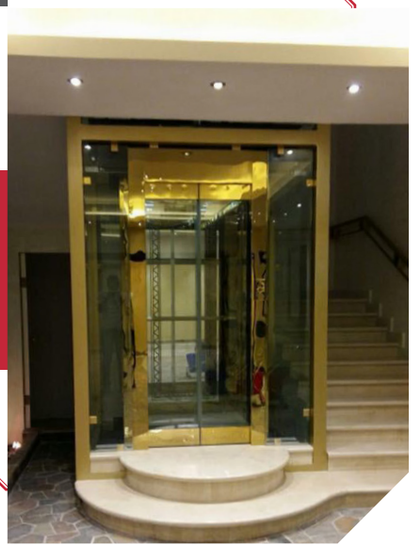
elevators



PANORAMA
001



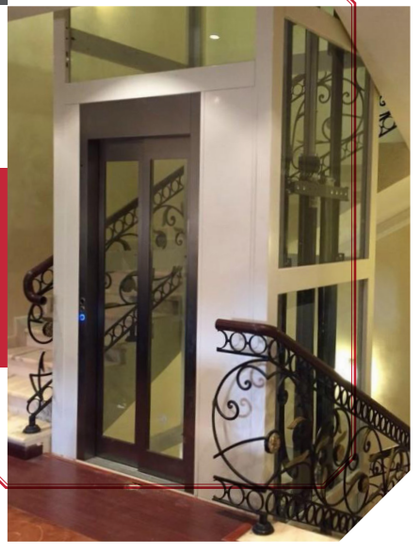
PANORAMA
002



PANORAMA
003



PANORAMA
004



PANORAMA
005

لوحة طلبات إيطالي



لوحة طلبات فرنسي



VENICE TOUCH

Pulsantiera in vetro specchiato per piano e cabina.
Mirrored glass car & landing operating panel.

CARATTERISTICHE PRINCIPALI / MAIN FEATURES

- Spessore vetro STOPSOL: 4mm.
- Classe vetro 2B2: trattamento con vernice di sicurezza (Gp-safe) conforme alle norme EN12600:2004.
- Predisposizione con nuovi pulsanti touch (PUL1000) disponibili nelle versioni: bianchi e rosso/blu.
- Scatola e piastra di supporto in metallo.
- Possibilità di personalizzazione.

- Thickness of STOPSOL glass: 4mm.
- Glass class 2B2: manufacturing process of plastic protection (Gp-Safe) in compliance with EN12600:2004.
- Suitable for new touch push buttons (PUL1000) in white, red and blue colour.
- Back box and support plate in metal.
- Available in customizable models.

FINITURE DISPONIBILI / AVAILABLE FINISHING

Bianco float / Float white

Bianco light / Light white

Nero / Black

Specchiato bronzo / Mirrored bronze

Specchiato champagne / Mirrored champagne



VENICE

Pulsantiera in vetro per piano e cabina.
Glass car and landing operating panel.



CARATTERISTICHE PRINCIPALI / MAIN FEATURES

- Spessore vetro: 4mm.
- Classe vetro 2B2: trattamento per plastica protettiva (Gp-safe) conforme alle norme EN12600:2004.
- Scatola e piastra di supporto in metallo.
- Predisposta per il montaggio dei pulsanti ACHILLE.
- Possibilità di personalizzazione.

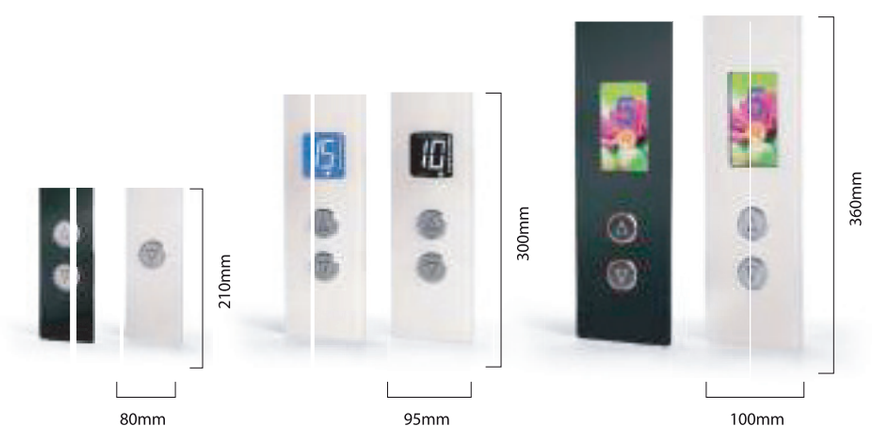
- Glass thickness: 4mm.
- Glass class 2B2: manufacturing process of plastic protection (Gp-Safe) in compliance with EN12600:2004.
- Back box and support plate in metal.
- Suitable for ACHILLE push buttons mounting.
- Available in customizable models.

FINITURE DISPONIBILI / AVAILABLE FINISHING

Bianco float / Float white

Bianco light / Light white

Nero / Black

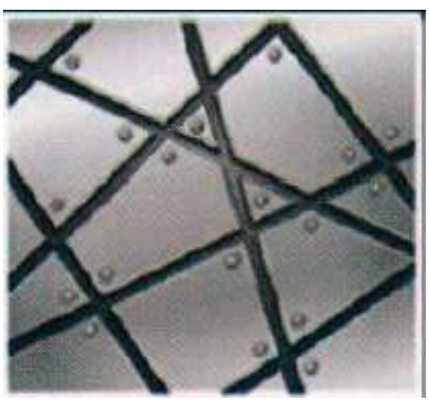




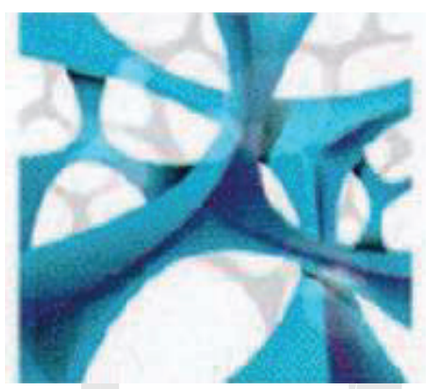
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Statement	PVC elevator mat 1.3*1.3m/pc *Thickness:* 2.2mm
Unit	Pcs



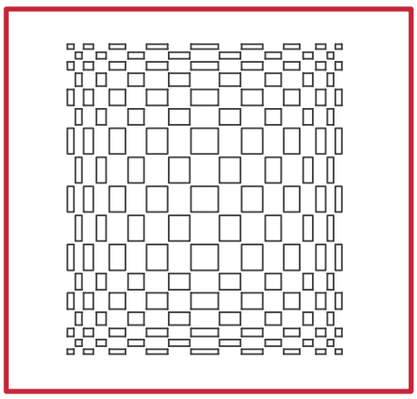
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Unit	Pcs



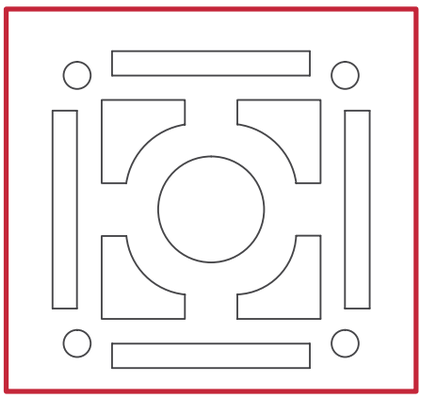
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Unit	



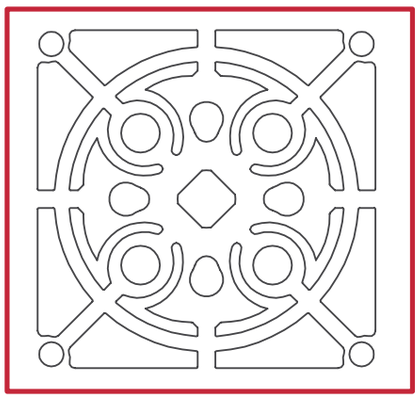
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Unit	



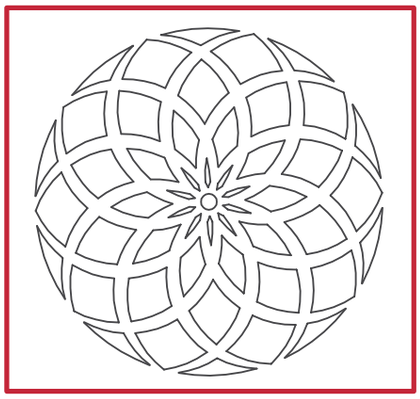
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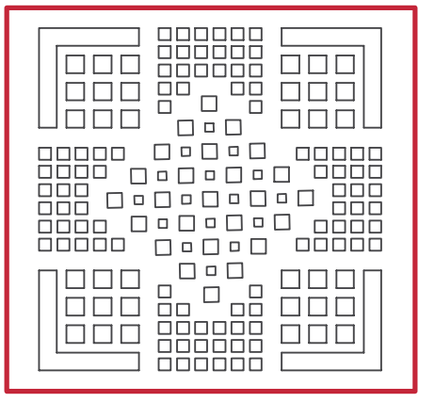
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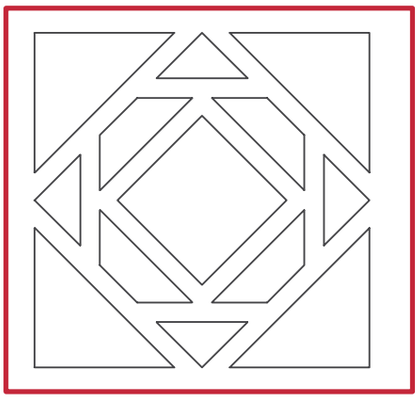
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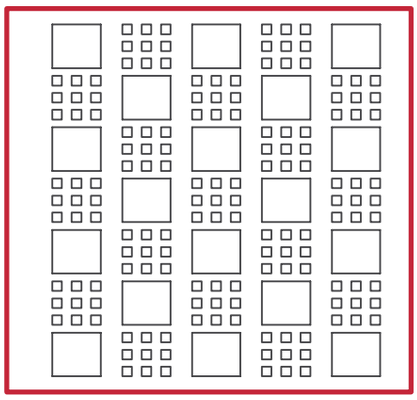
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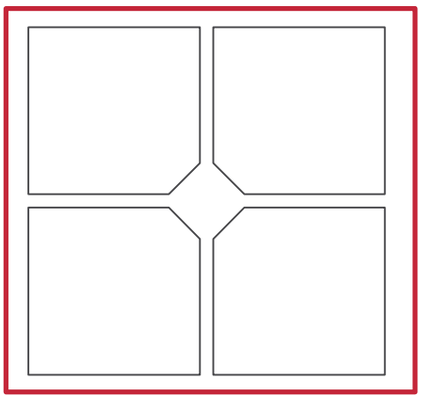
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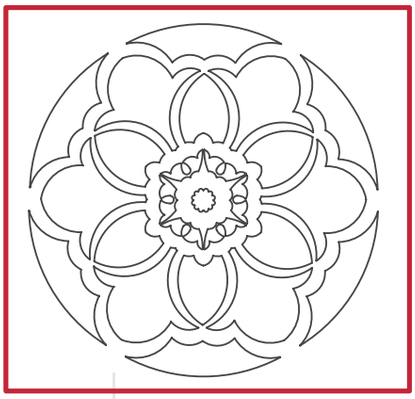
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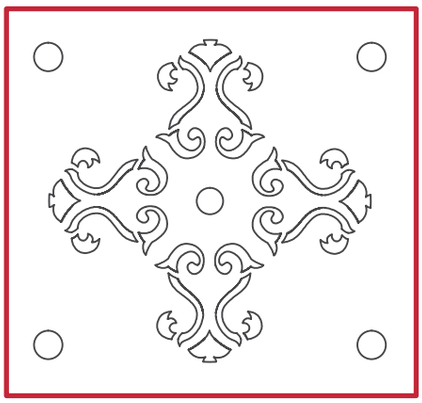
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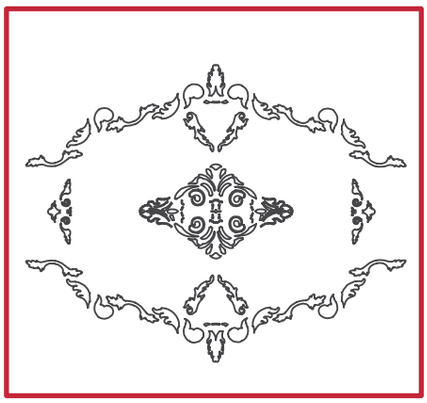
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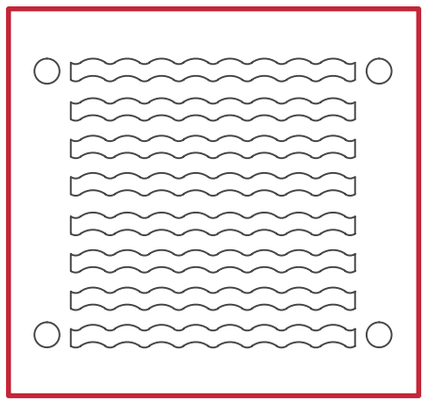
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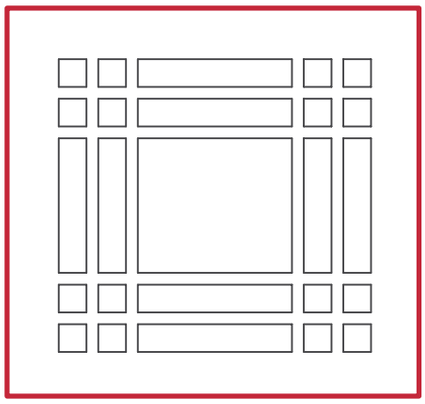
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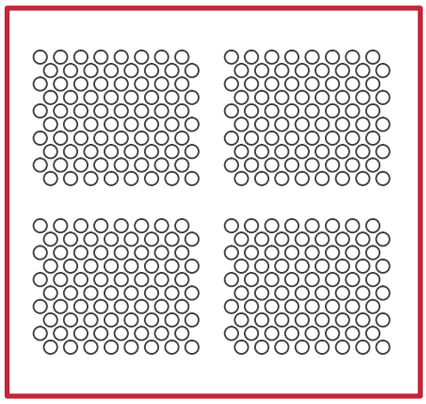
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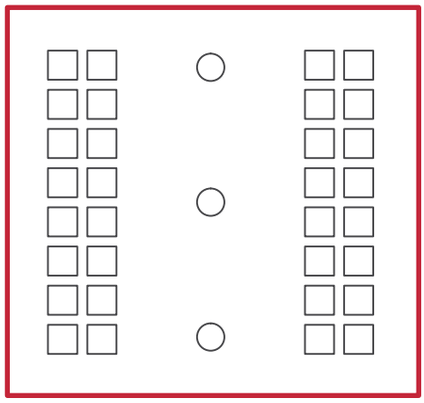
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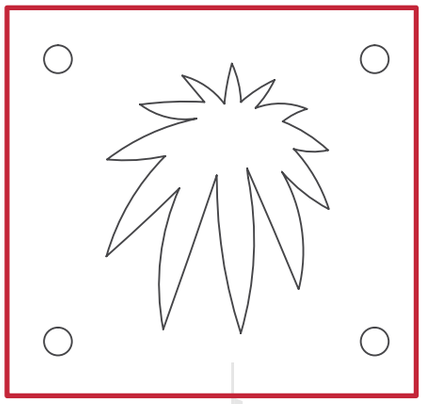
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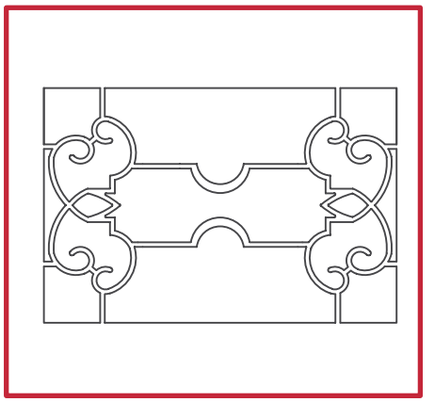
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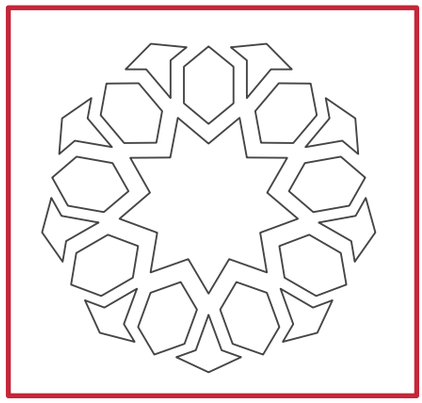
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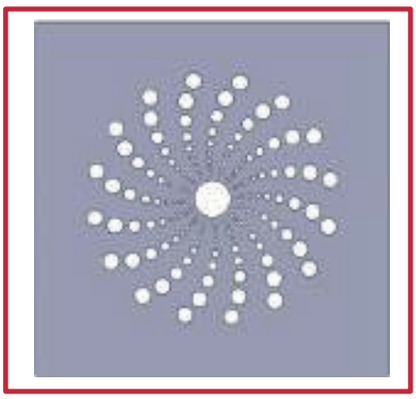
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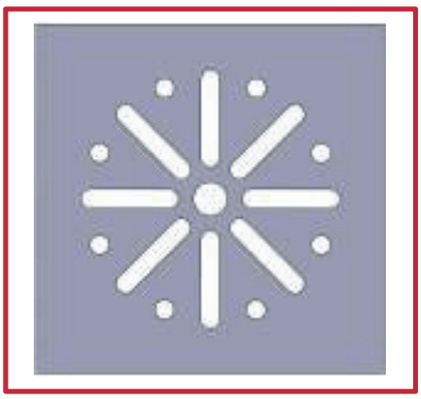


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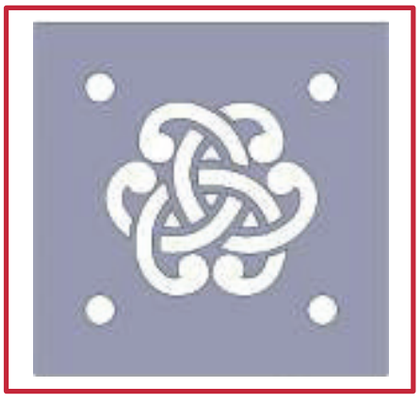


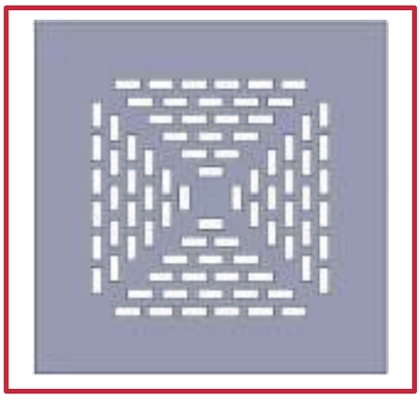
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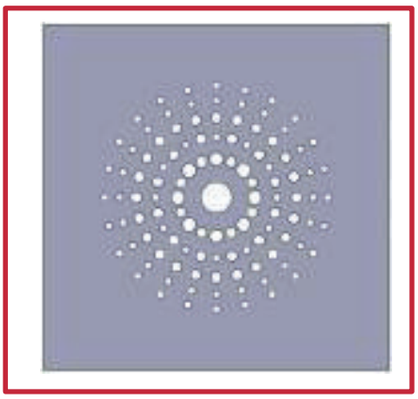

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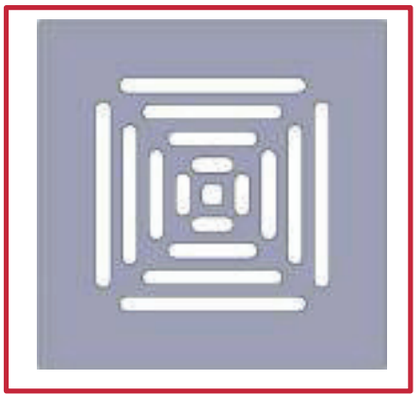

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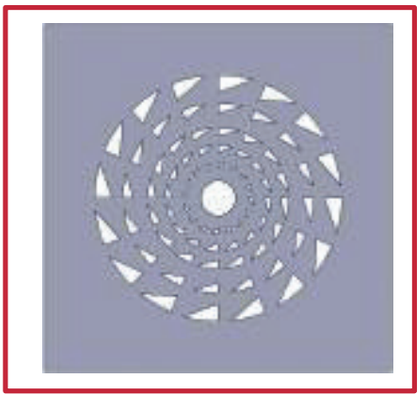

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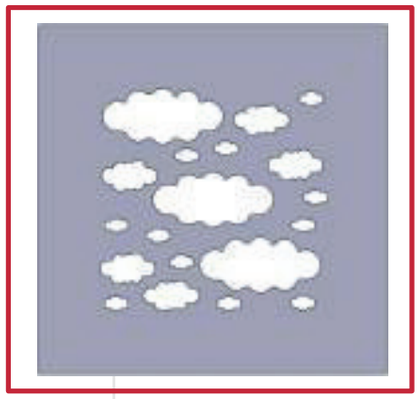

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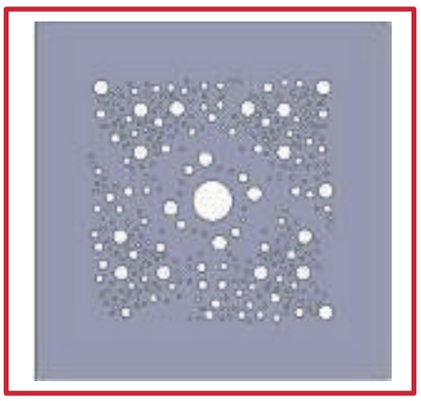

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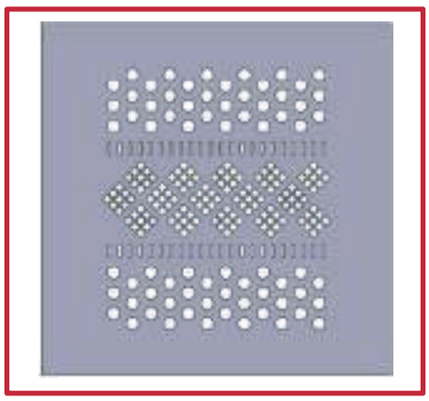

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0017

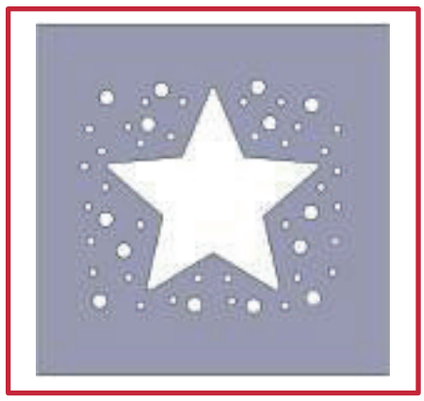

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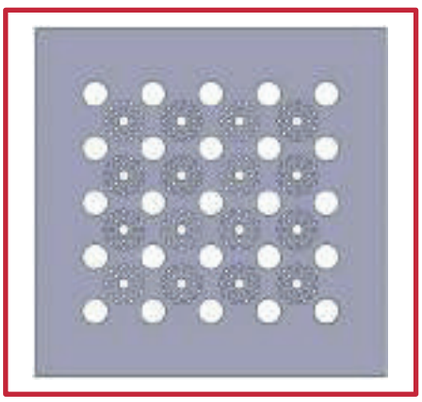
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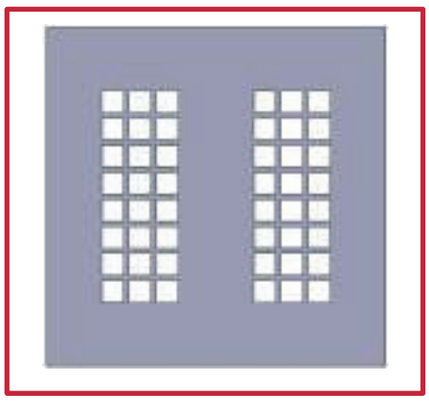
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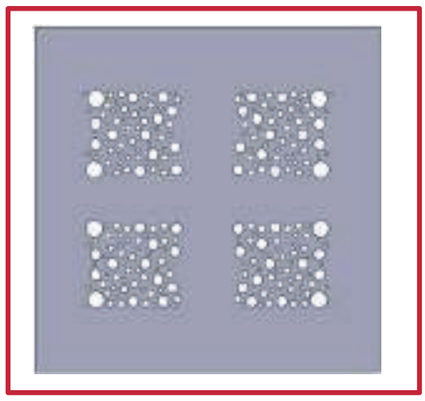
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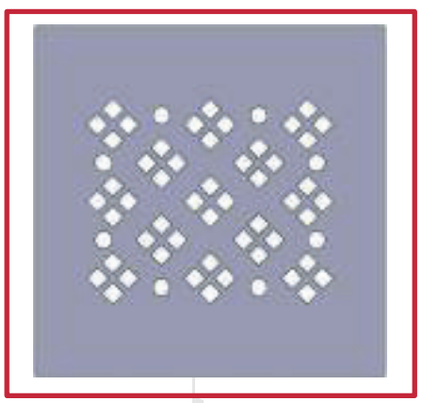
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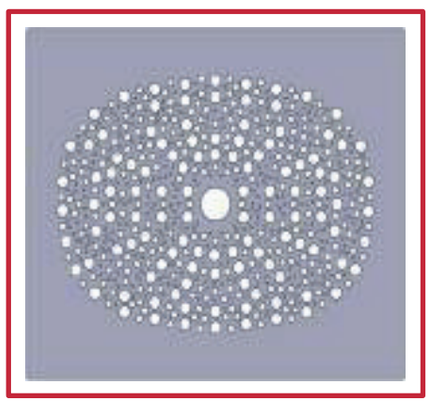
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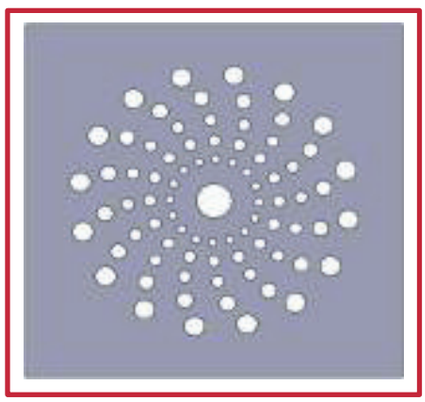
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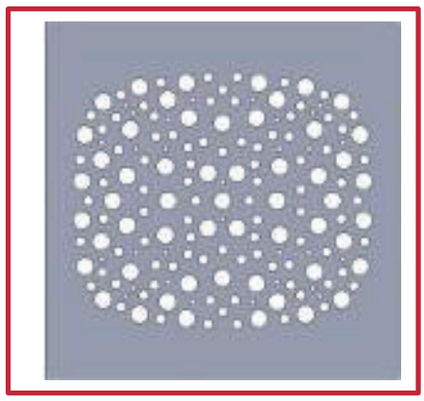
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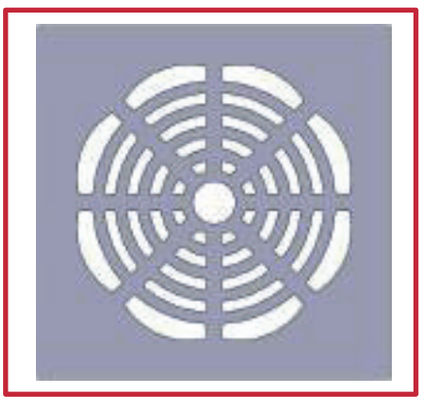


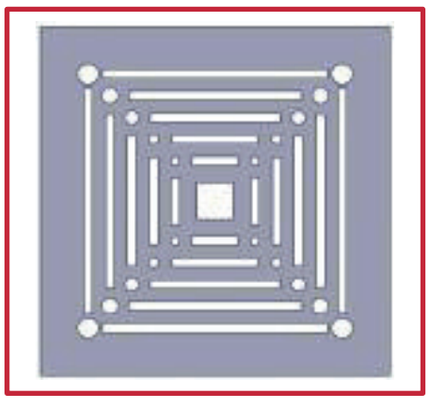
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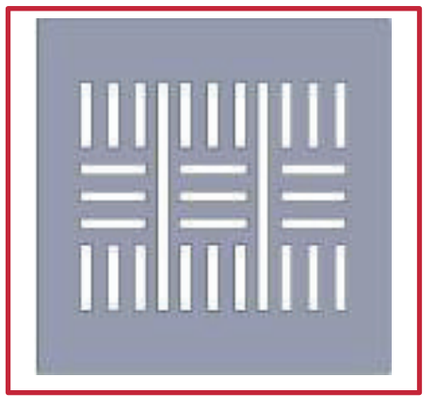

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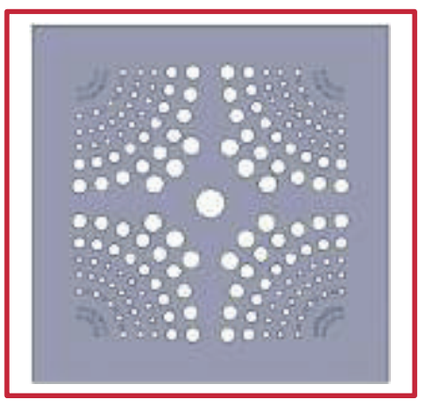

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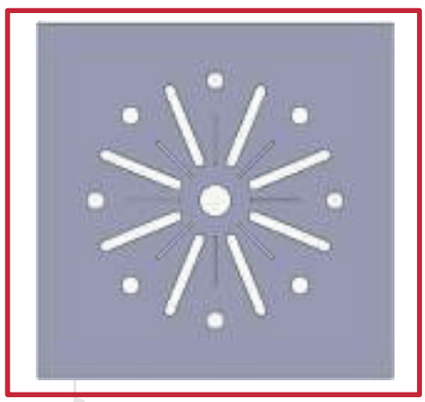

0004


0005


0006


0007


0008


0009



501039
مسكة فضي 38x60سم
RS9020



300198
مسكة فضي 50 سم كود S
5010



501019
مسكة فضي 80x50 سم
RS104



501037
مسكة فضي 80x50 سم
RS9035



501023
مسكة فضي 80x60 سم
RS9030



501041
مسكة فضي 80x60 سم
RS9024



501035
مسكة فضي 80x60 سم
RS190



501026
مسكة نحاس 80x60 سم
RS832



501040
مسكة ذهبي 38x60سم
RS9020



300199
مسكة ذهبي 50 سم كود S
G5010



501020
مسكة ذهبي 80x50 سم
RS104



501038
مسكة ذهبي 80x50 سم
RS9035



501024
مسكة ذهبي 80x60 سم
RS9030



501042
مسكة ذهبي 80x60 سم
RS9024



501036
مسكة ذهبي 80x60 سم
RS190



501013
مسكة نحاس 80x60 سم
RS836

Doors



WITTUR

SELCOM





TO-013



TO-014



TO-015



TO-016



TO-017



TO-018



TO-025



TO-026



TO-027



TO-028



TO-029



TO-030

Doors

WITTUR

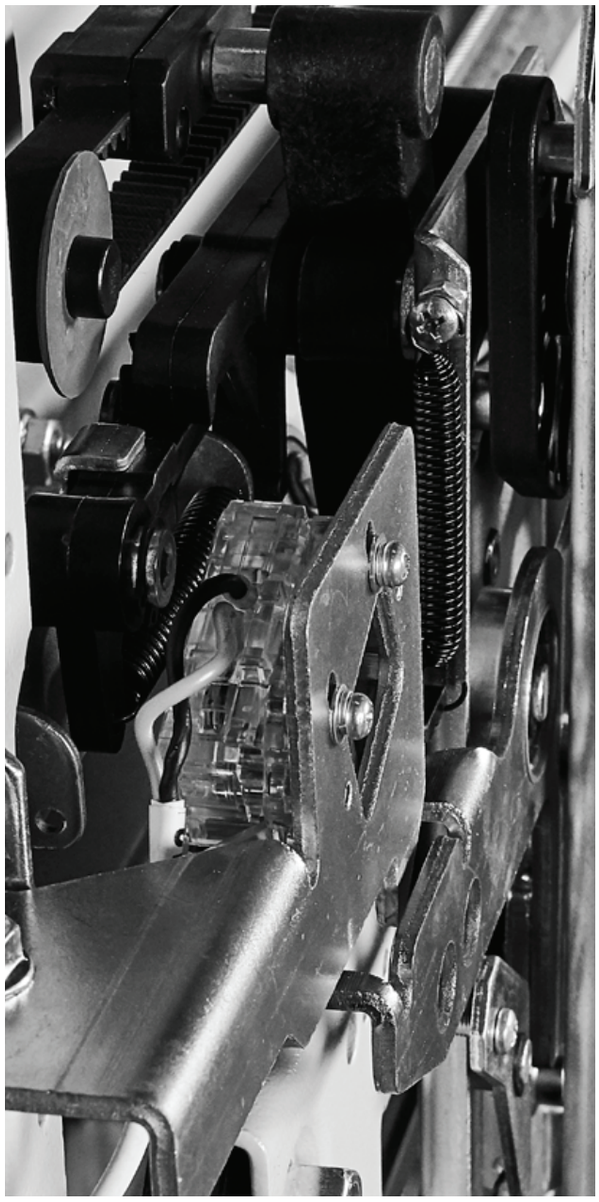
SELCOM

2 panel side opening
Unparalleled robustness. Less breakdowns.

AUTOMATIC LANDING DOOR

- Sheet thickness 1.5 mm
- Reinforced mechanism with solid steel guide rail
- Mounting plate thickness : 3 mm
- Reinforced door panel
- Panels are linked by spring closers





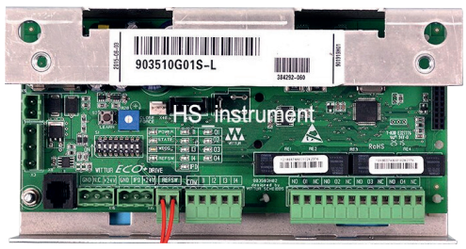
Automatic landing door dimensions 2VOL

ALL DIMENSIONS IN MM

	Clear opening (CO)	700	800	900	1000	1100	1200	1300
	Height (H)	2000 - 2100 -2200 - 2300						
Modernization	Header height	210						
Modernization	Reduced frame size	1000	1100	1200	1300	1400	1500	1600
Modernization	Full-front entrance size	1300	1450	1550	1700	1850	2000	2150
Creation	Overall structural opening width with reduced frame	1050	1150	1250	1350	1450	1550	1650
Creation	Full-front structural opening width	1350	1500	1600	1750	1900	2050	2200
Creation	Structural opening height	HL + 240						









WITTUR

SELCOM

key features

What makes the door SD20, the most robust lift door available at the best price ?

1. **EN 81-20 / 50 as a guideline for its design.**
2. **Expectations of our customers to design a product made to last.**
3. **The quietest operation.**
4. **Finishes that guarantee flawless aesthetics and using AISI 304 stainless steel as standard for the door skins.**
5. **Very easy maintenance.**
6. **Reliability to guarantee the correct running of our SD20 door.**
7. **Stock availability of the core range. No more stress, no more risks.**
8. **Fire resistant for 120 minutes**



EN 81-20
EN 81-71
EN 81-58 E120





Doors

WITTUR

SELCOM

2 Panel central opening car door

AUTOMATIC LANDING DOOR

- Sheet thickness 1.5mm
- Reinforced mechanism with solid steel guide rail
- Mounting plate thickness: 3mm
- Reinforced door panels
- Panels are linked by spring closers



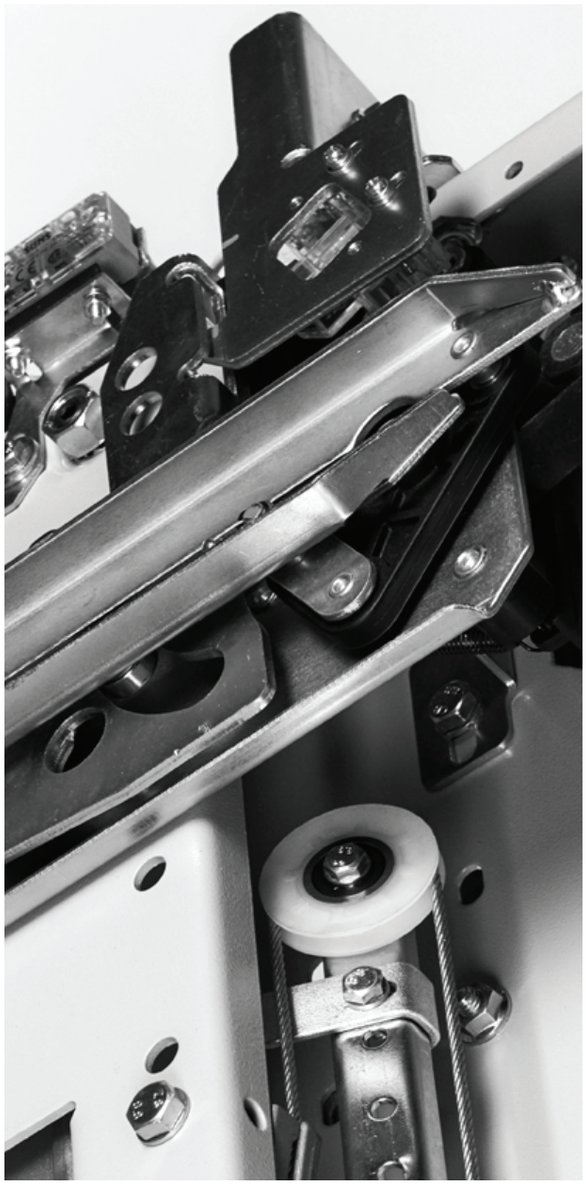


Automatic landing door dimensions 2VOC

ALL DIMENSIONS IN MM

	Clear opening (CO)	700	800	900	1000	1100	1200
	Height (H)	2000 - 2100 -2200 - 2300					
Modernization	Header height	210					
Modernization	Reduced frame size	1000	1100	1200	1300	1400	1500
Modernization	Full-front entrance size	1600	1740	1900	2100	2300	2500
Creation	Overall structural opening width with reduced frame	1050	1150	1250	1350	1450	1550
Creation	Full-front structural opening width	1650	1790	1950	2150	2350	2550
Creation	Structural opening height	HL + 240					





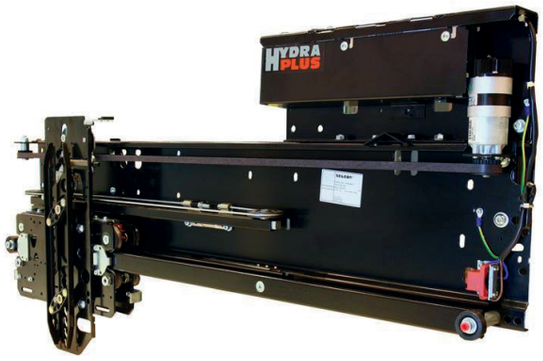
WITTUR

SELCOM

2 panel side opening

AUTOMATIC CAR DOOR

- Reduced door operator heigh
- Reinforced panel thickness 1.5mm
- Reinforced mounting plate thickness: 3mm
- Reinforced mechanism with solid steel guide rail
- Mechanical locking device
- PM motor
- Belt driven
- Number of annual cycles: > 3,000,000
- Number of starts hours: > 360



Car door dimensions 2VOL

ALL DIMENSIONS IN MM

Clear opening (CO)	700	800	900	1000	1100	1200	
Height (H)	2000 - 2100 -2200 - 2300						
Operator width	1100	1250	1400	1550	1700	1850	
Overall width with mechanical locking device	1157	1307	1457	1607	1757	1907	
Operator height	400						
Height above drive	HL + 240						
Track width	90						



CATEGORY

OF FOOD ELEVATOR

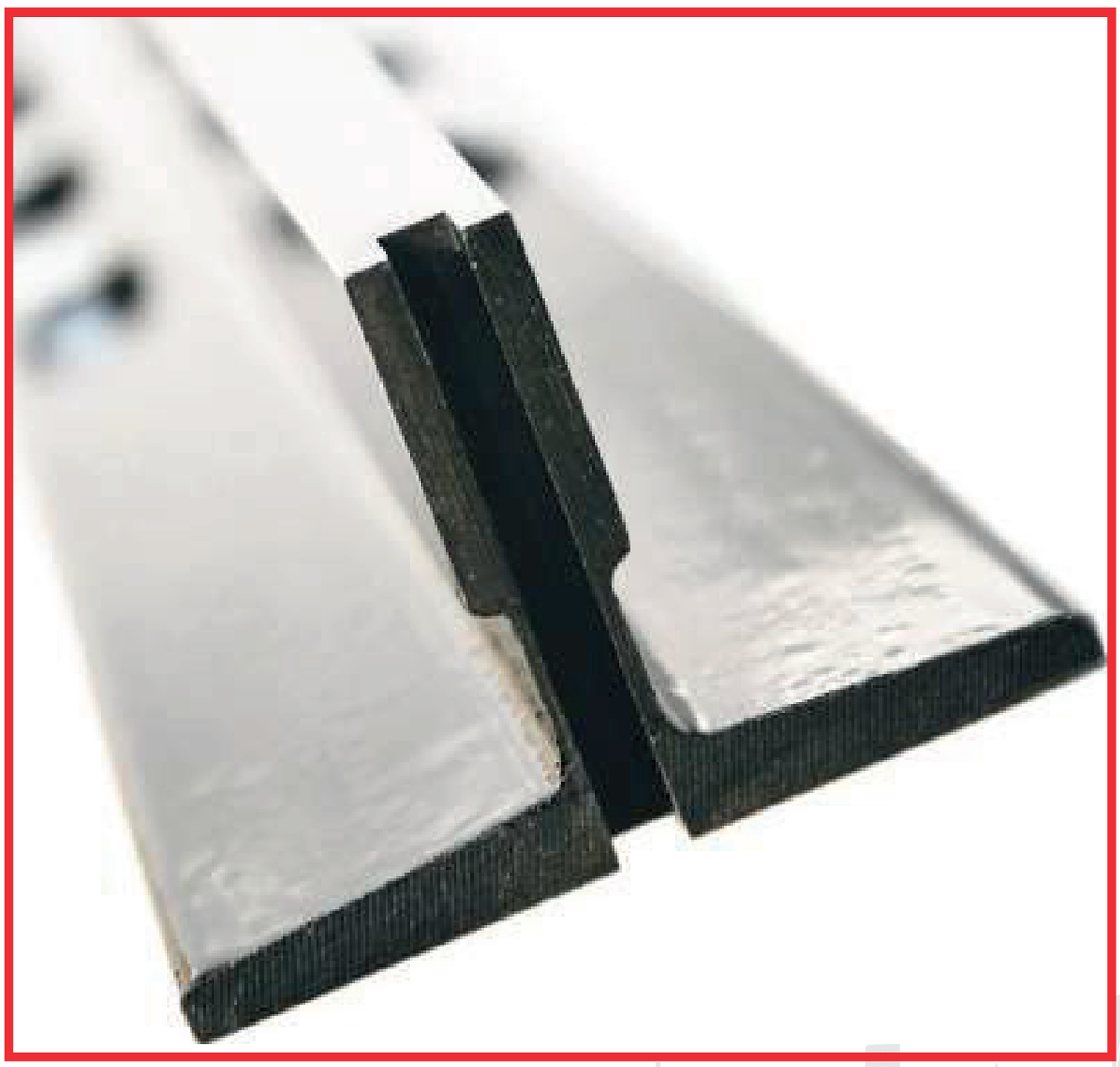






For all major sizes of machined guide rails according to ISO, JIS and other standards as well as for Customer specific standard, reduced tolerances and special requirements are offered based on ride comfort and elevator speed application.

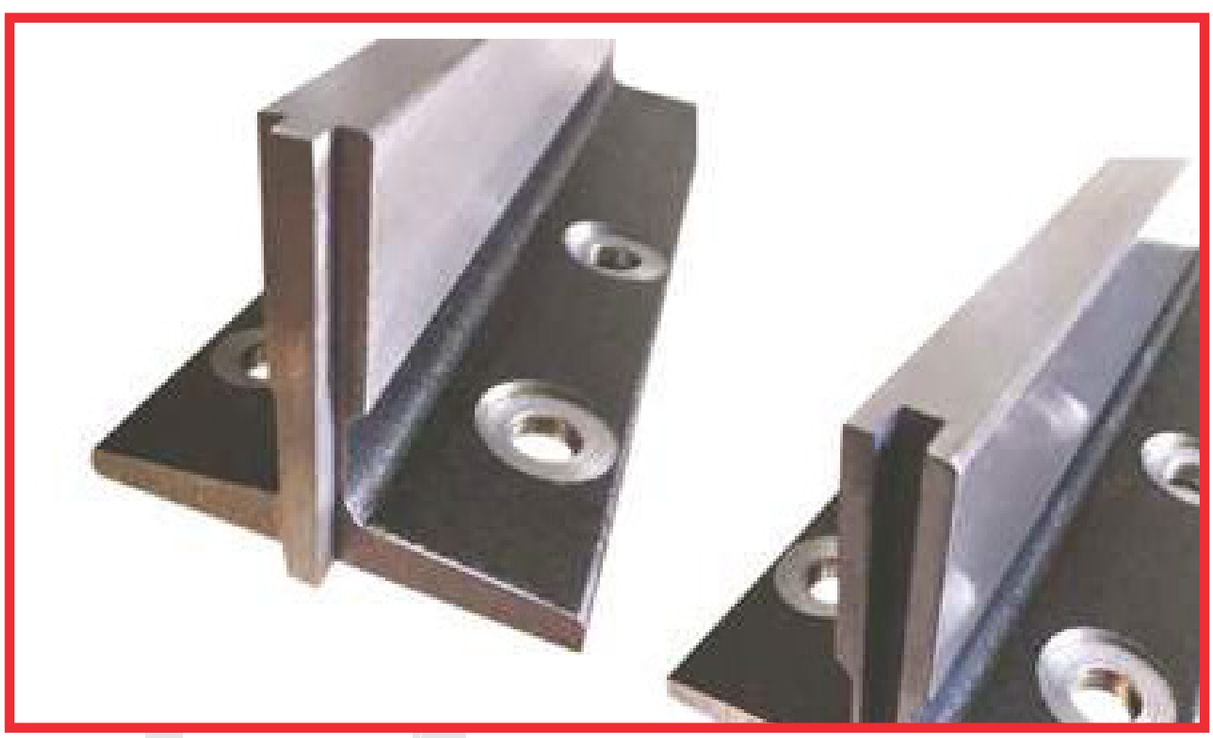
HIGH QUALITY GUIDE RAILS



MONTEFERRO is the complete market source for elevator guide rails solutions, in accordance with International and Customer specific standards.
MONTEFERRO offers the widest range of cold drawn and machined guide rails, guide rails for high speed application and a complete line of components and accessories to form the integrated hoist-way systems.
Guide rails are vital for proper elevator ride comfort and safety. Their development represents a specific and unique product whose manufacturing technology and process results from years of study, research and industry experience.
The highquality and superior performance of MONTEFERRO products are a testament to the company's continuous pursuit of manufacturing excellence.

STANDARD COLD DRAWN GUIDE RAILS

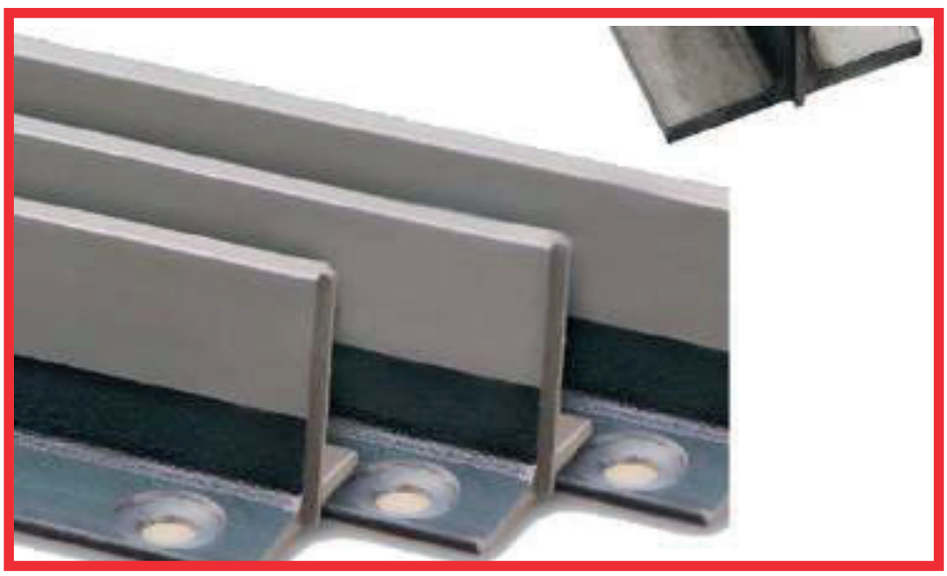
MONTEFERRO introduced cold drawn processing into the guide rail market at the end of the 40's. Through continuous improvements and optimization in co-operation with the rolling mill, today on the market is available a complete range of cold drawn guide rails from 3 Kg/mt to 14 Kg/mt.

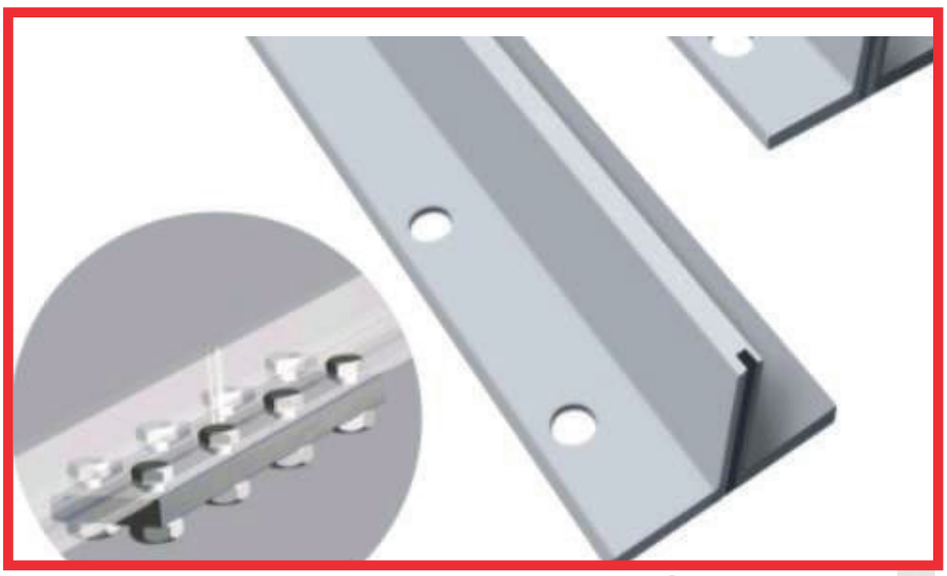


Fishplates are supplied in accordance with International and Customer specific standards. Special application fishplates such as Extra Thick, T-Plates, Minimum Clearance Seismic Plates (in accordance to ASME A17.1 for earthquake zone requirements) and the Ultra System are supplied to enhance joint performances on high speed application in conjunction with High Quality and Match guide rails. Clips including forged clips, sliding clips and special fastening systems as well as guide rail fixing systems, are supplied according to the various global code and Customer requirements.

FISHPLATES

ACCESSORIES





CLIPS

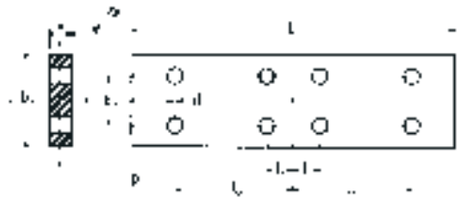
Monteferro fishplate range also include:

Threaded (tapped) fishplates, minimum clearances seismic fishplate, special fishplate for High Speed application.

COLD DRAWN GUIDE RAIL FISHPLATES

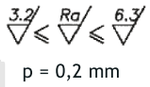
Monteferro Code	d mm	b_2 mm	b_3 mm	l_1 mm	l_2 mm	l_3 mm	v mm	W_{xx} cm^3	W_{yy} cm^3	weight kg/pcs	bolt size
Tolerance		±1,5	±0,2	±1,5	±0,2	±0,2	0/+2				
RT40	9	40	23	200	85	15	6	1,60	0,24	0,35	M 8x25
RT45	9	50	25	160	65	15	8	3,33	0,53	0,50	M 8x25
RT50	9	50	30	200	75	25	8	3,33	0,53	0,60	M 8x25
RT70	13	70	42	250	105	25	10	8,17	1,17	1,29	M 12x35
RT80	13	80	42	250	105	25	10	10,67	1,33	1,49	M 12x35
RF50	9	50	30	200	75	25	8	3,33	0,53	0,60	M 8x25
RF65	10	70	40	160	65	15	10	8,17	1,17	0,83	M 10x30
RF70	13	70	42	250	105	25	10	8,17	1,17	1,29	M 12x35
RF70-9	13	75	43	240	90	30	10	9,38	1,25	1,33	M 12x35
RF75	13	75	43	240	90	30	10	9,38	1,25	1,33	M 12x35
RF82	13	80	50,8	216	81	27	10	10,67	1,33	1,27	M 12x35
RF89	13	90	57,2	305	114,3	38,1	10	13,50	1,50	2,07	M 12x35
RF90	13	90	57,2	305	114,3	38,1	10	13,50	1,50	2,07	M 12x35

p = 0,2 mm

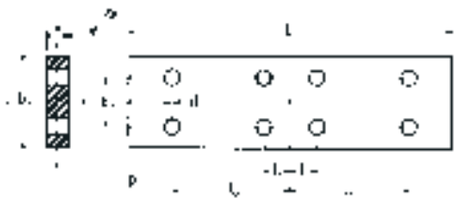


MACHINED GUIDE RAIL FISHPLATES

Monteferro Code	d mm	b_2 mm	b_3 mm	l_1 mm	l_2 mm	l_3 mm	v mm	W_{xx} cm^3	W_{yy} cm^3	weight kg/pc	bolt size
Tolerance		±1,5	±0,2	±1,5	±0,2	±0,2	0/+3				
RP75	13	75	43	240	90	30	10	9,38	1,25	1,33	M 12x35
RP78	13	75	43	240	90	30	10	9,38	1,25	1,33	M 12x35
RP82	13	80	50,8	216	81	27	10	10,67	1,33	1,27	M 12x35
RP89	13	90	57,2	305	114,3	38,1	13	17,55	2,54	2,70	M 12x35
RP90	13	90	57,2	305	114,3	38,1	13	17,55	2,54	2,70	M 12x35
RP114	17	130	79,4	305	114,3	38,1	17/18	47,88	6,26	5,00	M 16x50
RP125	17	130	79,4	305	114,3	38,1	17/18	47,88	6,26	5,00	M 16x50
RP127-1	17	130	79,4	305	114,3	38,1	17/18	47,88	6,26	5,00	M 16x50
RP127-2	17	130	79,4	305	114,3	38,1	17/18	47,88	6,26	5,00	M 16x50
RP 127-2 c 14	17	130	79,4	305	114,3	38,1	17/18	47,88	6,26	5,00	M 16x50
RP140-1	21	140	92,1	380	152,4	31,8	25	81,67	14,58	11,00	M 20x65
RP140-2	21	140	92,1	380	152,4	31,8	25	81,67	14,58	11,00	M 20x65
RP140-3	21	140	92,1	380	152,4	31,8	30	98,00	21,00	13,20	M 20x80

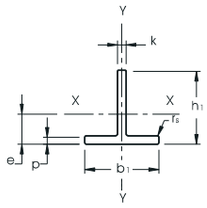


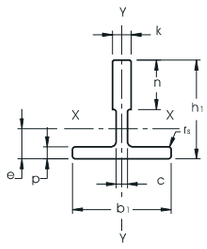
p = 0,2 mm

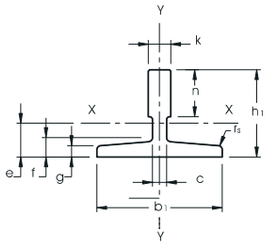


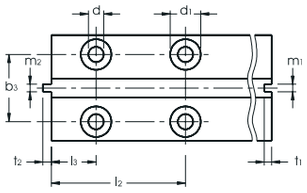
Reference Norm: ISO 7465. Raw material: E 235 B (ISO 630: 1995). Guide rail length: 5,000 mm ± 2mm. Different length according to Customer's requirements Different guide railssections and specifications: according to definition with Customers.

DIMENSIONS









Monteferro Code	ISO Code	b_1 mm	h_1 mm	k mm	n mm
Tolerances		±0,5	±0,2	±0,15	
RT 40	––	40	40	5	
RT 45	T 45/A	45	45	5	
RT 45 M/F	––	45	45	5	
RT 50	T 50/A	50	50	5	
RT 50 M/F	––	50	50	5	
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RT 70	T 70-2/A	70	70	8	
RT 80	––	80	80	9	
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RF 50	––	50	50	9	35
RF 70	T 70-1/A	70	65	9	34
RF 70.9	––	70	70	9	35
RF 75	T 75-3/A	75	62	10	30
Tolerances		±1,5	±0,1	+0,1/0	+3/0
RF 65	––	65	54	7,9	20
RF 82	T 82/A	82,5	68,25	9	25,4
RF 89	T 89/A	89	62	15,88	33,4
RF 90	T 90/A	90	75	16	42

KEY FACTORS

Blade roughness



longitudinal $1,6 \le R_a \le 6,3\mu$
transversal $1,6 \le R_a \le 6,3\mu$

Straightness



B/A = 0.001
B_{max} (5 m) = 2 mm
B_{1m} = 0,5 mm

Twisting



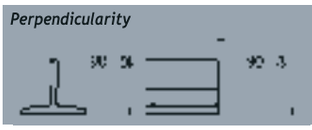
γ = 40'/m

Parallelism



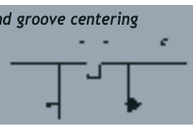
p = 0,15 mm

Perpendicularity



α = 10'
β = 15'

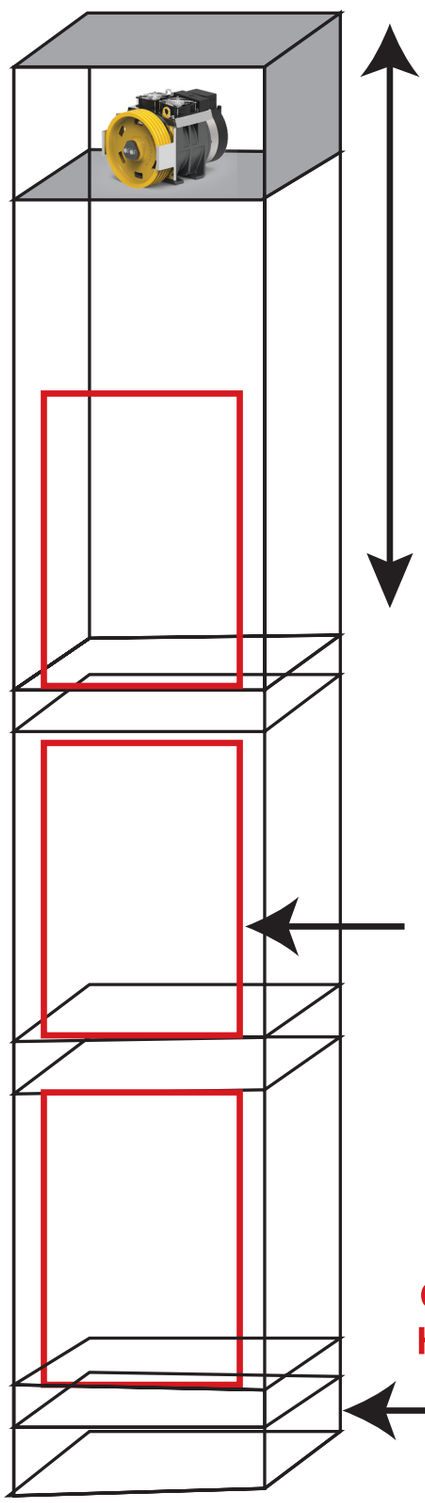
Tongue and groove centering



c = 0,1 mm


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Elevator Diagram



Last Floor Height

__ 4m __

Doors Height

__ 2.2m __

Ground Level Height of tiles

_ 1.2m _

Materials









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Your safety first





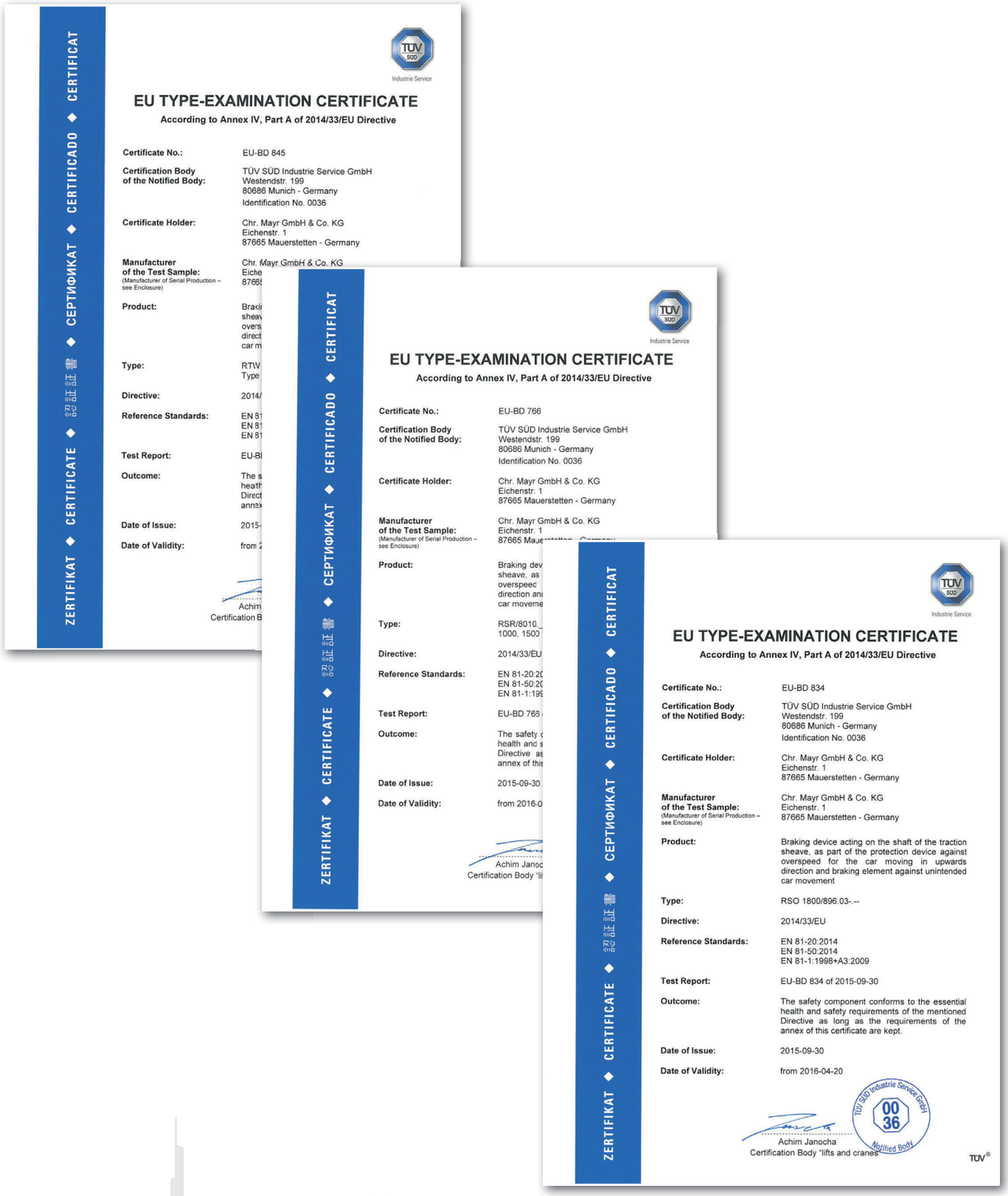




CERTIFICATI / *CERTIFICATES*



CERTIFICATI FRENI - *BRAKES CERTIFICATES*



ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Industrie Service

EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-BD 845
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich - Germany Identification No. 0036
Certificate Holder:	Chr. Mayr GmbH & Co. KG Eichenstr. 1 87665 Mauerstetten - Germany
Manufacturer of the Test Sample: (Manufacturer of Serial Production – see Enclosure)	Chr. Mayr GmbH & Co. KG Eiche 8766
Product:	Brak sheav overs direct car m
Type:	RTV Type
Directive:	2014/
Reference Standards:	EN 81 EN 81 EN 81
Test Report:	EU-B
Outcome:	The s health Direct annex
Date of Issue:	2015-
Date of Validity:	from 2

Achim
Certification B

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Industrie Service

EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-BD 766
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich - Germany Identification No. 0036
Certificate Holder:	Chr. Mayr GmbH & Co. KG Eichenstr. 1 87665 Mauerstetten - Germany
Manufacturer of the Test Sample: (Manufacturer of Serial Production – see Enclosure)	Chr. Mayr GmbH & Co. KG Eichenstr. 1 87665 Mauerstetten - Germany
Product:	Braking dev sheave, as overspeed direction an car moveme
Type:	RSR/8010. 1000, 1500
Directive:	2014/33/EU
Reference Standards:	EN 81-20:20 EN 81-50:20 EN 81-1:19
Test Report:	EU-BD 768
Outcome:	The safety health and s Directive as annex of this
Date of Issue:	2015-09-30
Date of Validity:	from 2016-0

Achim Janoc
Certification Body "li

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Industrie Service

EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-BD 834
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich - Germany Identification No. 0036
Certificate Holder:	Chr. Mayr GmbH & Co. KG Eichenstr. 1 87665 Mauerstetten - Germany
Manufacturer of the Test Sample: (Manufacturer of Serial Production – see Enclosure)	Chr. Mayr GmbH & Co. KG Eichenstr. 1 87665 Mauerstetten - Germany
Product:	Braking device acting on the shaft of the traction sheave, as part of the protection device against overspeed for the car moving in upwards direction and braking element against unintended car movement
Type:	RSO 1800/896.03-.--
Directive:	2014/33/EU
Reference Standards:	EN 81-20:2014 EN 81-50:2014 EN 81-1:1998+A3:2009
Test Report:	EU-BD 834 of 2015-09-30
Outcome:	The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.
Date of Issue:	2015-09-30
Date of Validity:	from 2016-04-20

TÜV SÜD Industrie Service GmbH 00 36 Notified Body

Achim Janocha
Certification Body "lifts and cranes"

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24 Hours Service

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Website

Location