

THE COMPLETE SOLUTION

BERGVIK



Our mission is to provide clients with the best possible solutions while ensuring market-leading quality. We pride ourselves on not only providing a service or product, but building lasting relationships with our clients. A result of this belief is that Bergvik's Iso Floor and Iso Flex-Grid are recognized as the strongest and most flexible solutions on the market. Complementing the Bergvik solutions is the range of Starline products, which focuses on building a better way to provide power to any mission critical, industrial retail or lab environment.

ISO FLOOR & ISO COMPACT FLOOR

Data Centres, Substations, Transformer Stations, Control Rooms, Electrical Equipment Rooms

Bergvik works in conjunction with the client's professional teams to provide an optimally designed floor and supplies a complete array of materials, including all raised floor accessories. We will install the floor in accordance with the approved design and supply all after-market requirements to the client, meaning there is one less item you need to worry about.

HEAVY EQUIPMENT? NO PROBLEM!

At the initial design stage, the Iso Floor sub-structure and floor panels can be adapted to the various electrical equipment. Iso Floor's fully modular design allows for static loads up to to 50 kN/m². To accommodate the heavy equipment and/or enable open bottom access to the relevant equipment, a 38x38mm SHS steel frame can be constructed and fixed directly onto the ISO Floor structure. In areas where transformers up to 14 000kg are placed, the floor is complemented with an integrated modular transformer stand and a reinforced transformer transportation path. The integrated stand prevents any vibrations to the Iso Floor and can be complemented with Air Grills.



Features:

- Full stability from 200 - 2100mm finished floor height
- Can be installed in two deployments due to self-supporting steel sub-structure. Panels can be installed at a later stage
- To achieve an optimized equipment layout and full access to the under-floor area, we offer panel sizes from 315 - 1220x600mm
- All heavy electrical equipment is supported directly by the rigid and self-supporting sub-structure. This allows the end user extra time to negotiate the purchasing of high cost equipment such as Switchgears, UPS's and Transformers
- The rigid sub-structure provides full stability even if all panels are removed. No other raised floor offers this added value
- Up to 1200mm between pedestals, meaning up to 70% fewer pedestals than with conventional 600x600mm grid access floors. This provides maximum void space in the under-floor plenum for cable management
- Allows for optimized equipment layout and full access in service aisles to electrical and data services, plumbing and ventilation in the underfloor plenum
- Quick and easy installation due to its fully modular design
- Easy to handle due to its light weight panels
- Bergvik laminate is antistatic, extremely durable and easy to clean
- Electrically isolated panel for high personal safety
- High mechanical strength, with negligible permanent deflection after lengthy rolling loads
- Environmentally friendly and fully recyclable
- Up to 25% more equipment on the same floor space
- 5 year standard warranty – priceless

Standard Compliance

Tested and approved in accordance with EN 12825
Fulfills all requirements according to ASTM E-84 / UL 723 / NFPA 266
Tested and approved according to European norm EN 12825
Antistatic Floor covering properties: EN14041,2004
Wear resistant to >6000 cycles: EN438-2:6 1991



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INDUSTRIES

Renewable Energy | Power Generation | Industrial Plants | Saw mills | Paper Plants | Refineries | Mining | Transport | Healthcare | Banking | Insurance | Data Centres | Telecommunication | Contact/Call Centres | Education | Water Treatment Plants

APPLICATIONS

Control rooms | Switchgear rooms | MCC/Low/high voltage rooms | Cable Cellars | Transformer rooms | Energy centres | Substations | White Spaces / Data Halls / Server Rooms / Network Rooms

HIGH QUALITY FLOOR PANELS WITH DURABLE FINISH

As standard, we offer three laminate finishes; M335 Granite, H818 Alder and A0040 Oak.



CUSTOM-MADE SOLUTIONS WITH THE HIGHEST QUALITY

Bergvik was founded in 1970. For nearly 50 years we have exported our floors to more than 100 countries around the world. Today we design and deliver fully modular and technical floors like Iso Floor, HiFlex Floor, Tech Floor and our proven, secure Seismic Bracing Frames. Bergvik's Iso Floor is known in the market as the premier solution for Power Transmission & Distribution Substations and all other types of Electrical rooms with heavy equipment. Iso Floor is a superior raised flooring system that can be adapted to the conditions you have within your project and has the ability to accommodate most heavy loads. Bergvik takes full responsibility – from production, project documentation and management, CAD/Revit design, material delivery and installation – all the way to final inspection. This means providing 100% control throughout each and every project.



We are very impressed by Bergvik as a supplier of raised flooring. CAD drawings or Revit layout models, material deliveries, installations and project documentation – everything works perfectly. We also know from experience that Bergvik's high quality products last for many years to come. It's a good investment to buy raised floors from Bergvik.

Caj Lundqvist,
SYDVATTEN, SWEDEN

ISO FLEX-GRID STRUCTURAL CEILING

An engineered structural ceiling system that acts as both a dropped return air ceiling plenum and a support grid, providing a cost effective solution for use in Data Centres, clean rooms, labs and other environments.



INDUSTRIES

Healthcare | Retail Space | Banking | Insurance | Data Centre | Telecommunication | Contact/Call Centres | Education

APPLICATIONS

Commercial spaces | Hospitals | Clinics | White Spaces / Data Halls / Server Rooms / Network Rooms | Control Rooms | Security Rooms

Load and system data

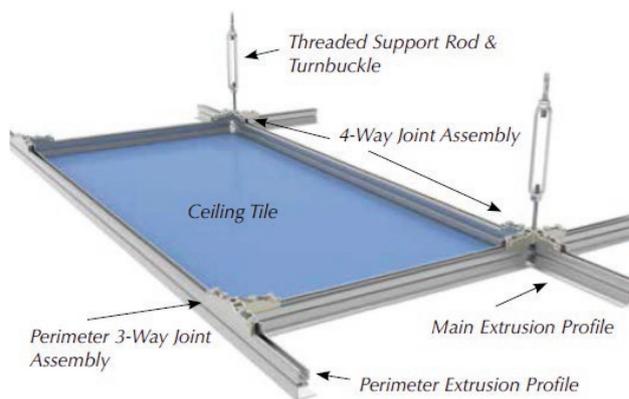
Extrusion Material	Extruded aluminium
Extrusion Alloy	6106 unit
Temper	T1
Weight	1 kg per lineal metre
Connector material	Zinc aluminium alloy
Connector Alloy	Zamak 5
Turnbuckle material	304 stainless steel

Point load ratings at L/250 (span/250)

- 63kg at the center of a 1200mm span
- 89kg at 300mm from a supported connector
- 300kg and more directly under a supported connector

Features:

- Variable ceiling grid
- Natural anodised aluminium finish as standard, with optional powder coating finishes to client specifications
- The ceiling tiles can be secured to the grid if preferred, creating a pressurised plenum.
- The Iso Flex-Grid can be adapted to your equipment layout for optimal access in all aisles.
- Ongoing changes can also be supported, allowing you to continue to take advantage of its flexibility for years to come.
- With all the equipment supported directly either below or above the Iso Flex-Grid, no struts or other supports will need to penetrate the ceiling tiles, reducing air leakage to a minimum.
- With the M10 threaded slot in the grid extrusion, it is easy to add, change, or remove any installations, saving time, material and labour costs for the life of the system.
- Provides a platform for future installations and changes
- Support structure for hot/cold aisle containments



Apart from the numerous advantages and cost savings the Iso Flex-Grid provides us, it's also an aesthetically good-looking product, coupled with Bergvik's excellent design coordination and installation teams. This is a must for Teraco, being Africa's largest Data Centre and Colocation company, serving a wide variety of esteemed international and domestic clients. I can therefore highly recommend Bergvik's Iso Flex-Grid Structural Ceiling System.



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Gys Geysler,
TERACO DATA ENVIRONMENT, SA

STARLINE TRACK BUSWAY

A Legacy of Power Distribution

DISTRIBUTING POWER. REMOVING LIMITATIONS

We've built a better way to provide power to any mission critical, industrial, retail or lab environment. With Starline Track Busway, easy installation means faster expansions and additions, plus the lower cost of ownership. Our flexible and scalable busway system allows you to relocate power anywhere you need it, and at anytime without shutting down power. The unique, turn-n-lock connection method used for the plug-in units, is the key to our busway's reliability. By inserting the plug head anywhere along the busway and rotating it 90 degrees, you get a constant, locked in, reliable connection – eliminating power interruptions caused by overheating or loss of connections.



APPLICATIONS

Data Centres/Mission Critical | Retail | Industrial | Universities and Labs

Features:

- Reduced Facility Construction Costs
- Faster Installation
- Flexibility for the Future
- Environmentally Friendly
- Scalable and customizable lengths, sizes and configurations
- A variety of plug-in units and Starline's monitoring capabilities



BUSWAY SYSTEMS

Our most popular, powerful and productive systems feature 250, 400, 800, and 1200 Amp options for power. Most importantly, our plug-in units can fit any of these busways so that your investment is protected as your power needs change. Starline Track Busway is the simple, versatile, fast and economical solution for supplying power to electrical loads. Our cutting-edge engineering gives you the unique ability to instantly tap into the busway at any location, with a variety of plug-in units.

System No.	Amp	Volts (MAX)	Neutral	ISO GRD.	Size
100T3CG	100A	600/415	100%	YES	106mm x 60mm
250T5CG	250A	600/415	100%	YES	128mm x 111mm
400T5CG	400A	600/415	100%	YES	128mm x 147mm
800T5CG	800A	600/415	100%	YES	128mm x 163mm
1200T5CG	1200A	480	100%	YES	220mm x 129mm

All items above can have either Isolated or dedicated earth.
The 100Amp - 400Amp ranges can also be fitted with a 200% Neutral



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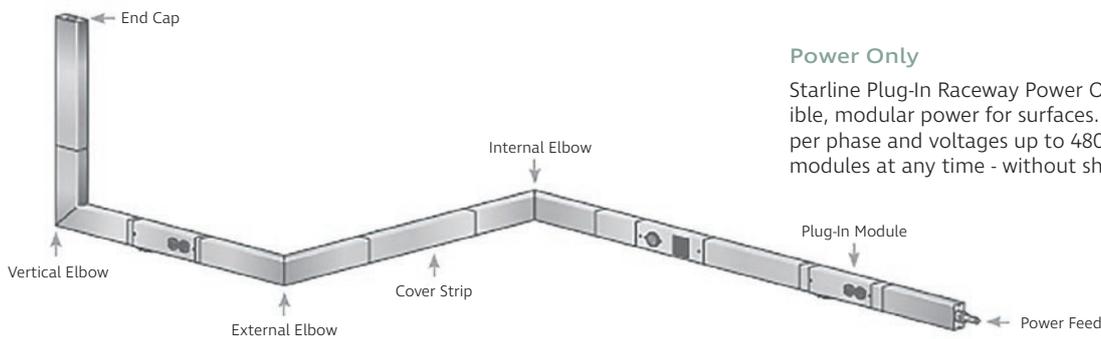
STARLINE PLUG-IN RACEWAY

Next generation raceway for today's power needs

Starline Plug-In Raceway was created to meet the ever-changing power distribution and datacom needs of healthcare, education, industrial, Data Centre and retail applications. Though it may look like other raceway products, Starline Plug-In Raceway has the fastest install times in the industry. It also has the unique ability to add or relocate plug-in modules anywhere on the raceway quickly and easily, even after installation. When changing or repositioning power receptacles, you simply snap the pre-assembled plug-in modules into place on the raceway backplane. The connection to power is made automatically without having to interrupt power.

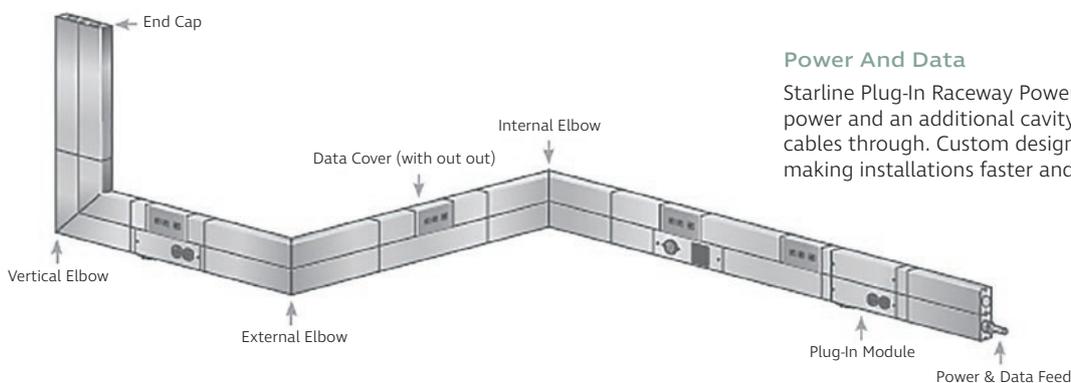
Features:

- Safe, fingerproof design allows end users to add plug-in modules without cutting power
- Low installation costs due to its patented prewired bus-type raceway design
- Flexible design allows receptacle plug-in modules to be added or relocated anywhere on the raceway quickly and easily
- Breaker and non-breaker single phase and three phase plug-in modules (up to 30 amps)
- Power feeds, elbows, and metering options available
- Datacom channel for data, video and audio applications available
- Custom colour and finishes available



Power Only

Starline Plug-In Raceway Power Only system provides flexible, modular power for surfaces. Rated at 20 or 60 amps per phase and voltages up to 480V. Move or add plug-in modules at any time - without shutting down the power.



Power And Data

Starline Plug-In Raceway Power and Data system provides power and an additional cavity to pull data and fiber cables through. Custom designed covers can assist in making installations faster and easier.



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COMPLETE RANGE OF ACCESSORIES

Bergvik offers a complete range of accessories for all our solutions including:

CABLE SEALS AND GROMMETS

Air / Cable Seal products help prevent air loss in plenum cooled floors when access holes are required for cable routing through the floor. It significantly minimizes cool air loss while improving the static pressure to cool Data Centre equipment, which helps prevent expensive electrical equipment from overheating. The brushes seal the floor openings, preventing debris from entering the air plenum and causing damage to sensitive electronic equipment.



Hole size:
183x163mm



Hole size:
265x115 mm



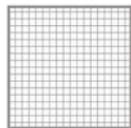
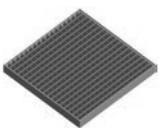
Hole size:
152mm



Hole size:
190x560 mm
190x600 mm

AIR GRILLS FOR FLOORING

- Interchangeable with Bergvik Laminate Panels
- Ranges from 39% - 80% open free area
- Airflow direction (static) available in 15°, 30° and straight upward
- Panel sizes: 600mm x 150/500/600/900mm special alternate sizes on request
- Panel height: 38 mm (1.5")
- Panel weight: +11 kg (24 lbs) for 600x600mm panel
- Available with or without dampers
- The Damper can be adjusted from the top to restrict airflow by up to 100%

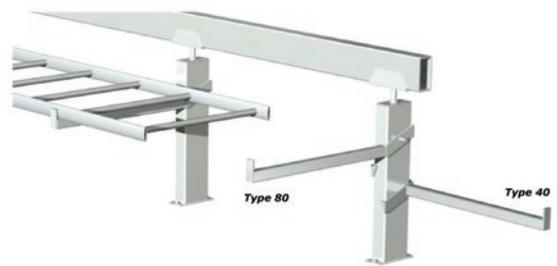


STAIRS, RAILINGS, RAMPS, BORDER FASCIA PANELS

This ensures proper, neat and safe access onto your Bergvik raised access floor.

HOLDER CLAMP

This quickly mounts to the pedestals, providing many options for installation of cable ladder brackets, chiller piping, fire suppressant piping, smoke detectors etc.

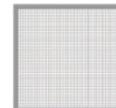


RETURN GRILLS FOR CEILING

575x575mm to line up with floor grid or 595x595mm.



With replaceable filter



Without filter

OTHER

Panel Lifters



PVC Flexible Skirting





Bergvik's African footprint



Clients / End users:



Main Office & Experience Centre
Unit 6, Capital Hill 65 · Cnr K101 & Le Roux Ave · Midrand, 1685 Johannesburg
Phone +27 11 312 7901 · www.bergvik.com