

# MaxLoad

- Developed for heavy loads
- Earthquake-proof (Zone 4)



## Knürr Innovation

The packing density of server and storage racks in computer centres continues to grow unremittingly. This not only leads to new challenges with regard to thermal and cable management, but rather also demands especially high support capabilities for heavy loads for special applications.

Knürr have once again put their innovative powerhouse to the test, and with the MaxLoad, have constructed a practical answer to the demand for a platform that meets the requirements of heavy duty loading of up to 1,000 kilograms.

The required rigidity is achieved with an appropriately well-thought through, intelligent extrusion geometry. Numerous fixing points within the MaxLoad structure enable the highest level of flexibility possible with the rack equipping. As solid as the design is, it nonetheless ensures sufficient space for good accessibility and truly advanced cable management.

In addition to its high loading capacity, the MaxLoad can also withstand stresses imposed in the event of an earthquake.

In accordance with the FEM Method, vibrations were simulated in Knürr test labs that guarantee earthquake stability of zone 4 with a load of up to 450 kilograms in compliance with the Bellcore Standard!

The Knürr MaxLoad is a modular rack system that delivers stability for heavy load requirements and earthquake stresses and strains.

Typical Knürr. Better Knürr!



MIR20203

Freely accessible: Solid base fixing in accordance with **Bellcore Standard**.



MIR20200

High rigidity achieved with an intelligent **extrusion geometry**.

Flexibility with installation provided by numerous **fixing points**. Designed for metric and 19" technology.



MIR20202

Solid construction quality plus **accessibility** for built-in units and generous **cabling space**.



MIR20207a

## Stability for Heavy Loads and Earthquakes

- Heavy load system for static loads of up to 1000 kg\*
- Seismic stresses in accordance with Bellcore, Zone 4 up to 450 kg\*

**MaxLoad**, the new rack platform for heavy load requirements from Knürr, guarantees problem-free equipping with loads of **up to 1,000 kg\***.

With systems that are fully equipped with 1 HU servers or heavy storage units, loads of this magnitude are quickly reached. By using the new **MaxLoad** from Knürr, available space in computer centres can be used far more cost-effectively.



The Knürr **MaxLoad** provides the proven modularity and flexibility of this platform, as, for example:

- Positioning freedom of the 19" level in the depth
- Availability of various rack depths
- Availability of a comprehensive modular system with cover panels



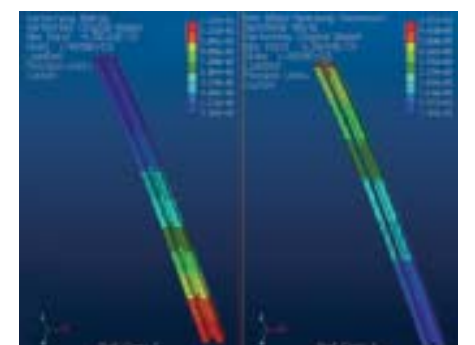
Statistic tensile tests

MIR20213



Dynamic seismic test in accordance with Bellcore Standard.

MIR20215



Simulation, FEM Method

MIR20214

\* The values provided have been tried, tested, proven and verified in corresponding tests and simulations.

The **MaxLoad** provides sufficient stability for applications in earthquake prone regions with **seismic stresses** ranging up to zone 4 (Bellcore Standard)

In such applications, a **rack loading of up to 450 kg\*** is possible.



The premium grade of the internal structure is accentuated by the **design and engineering** of the cover panels.

MIR20212

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... and close to  
the customer



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