CANTILEVER **RACKS**

PRO MAN®

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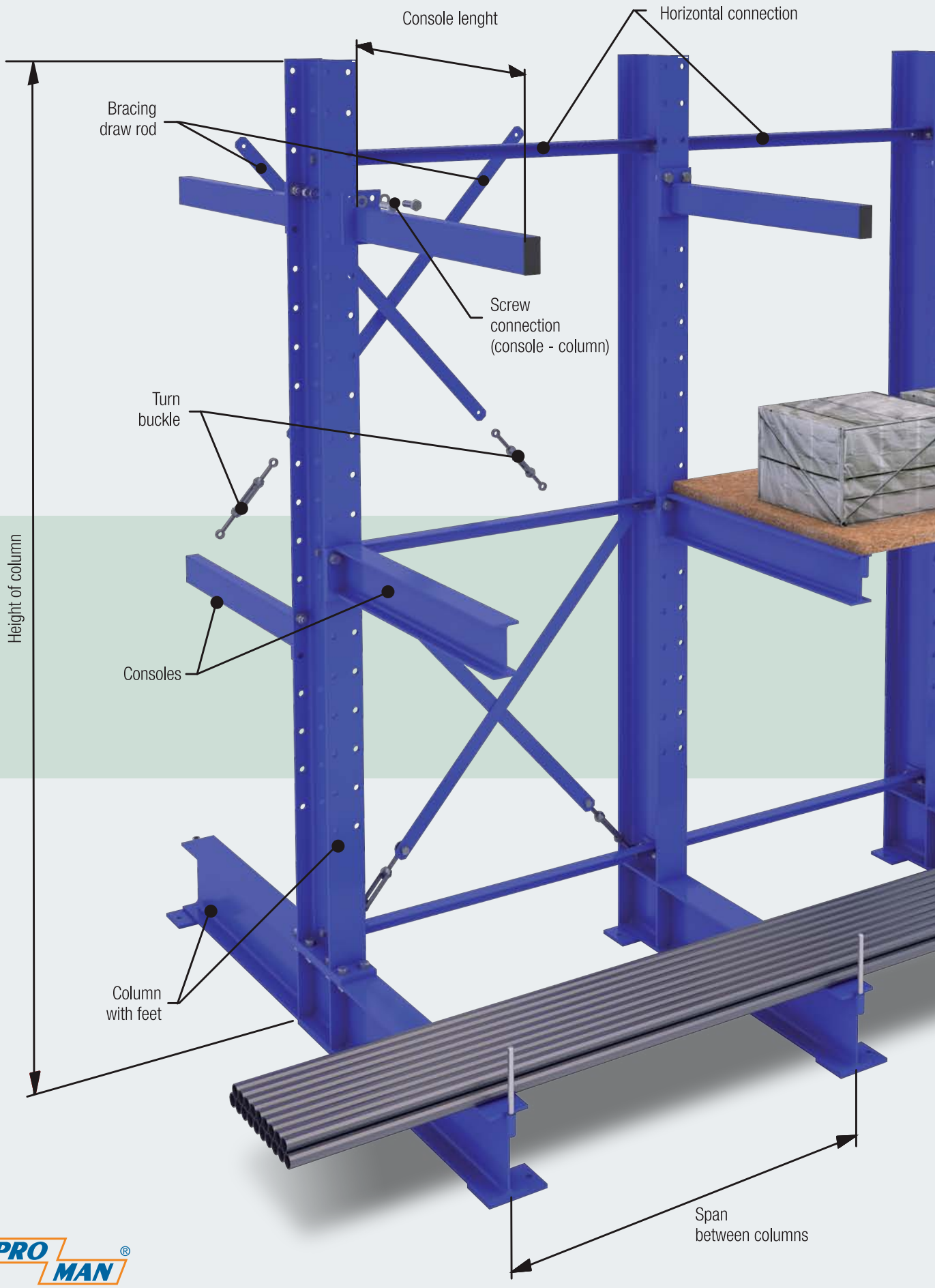
Cantilever racking system is designed as an ideal solution for storing different kinds of rod or plate material (such as bars, pipes, rods, coils, plates, sheets, etc.), if one dimension of the stored material significantly exceeds the normal standard size for storage in pallet racking.

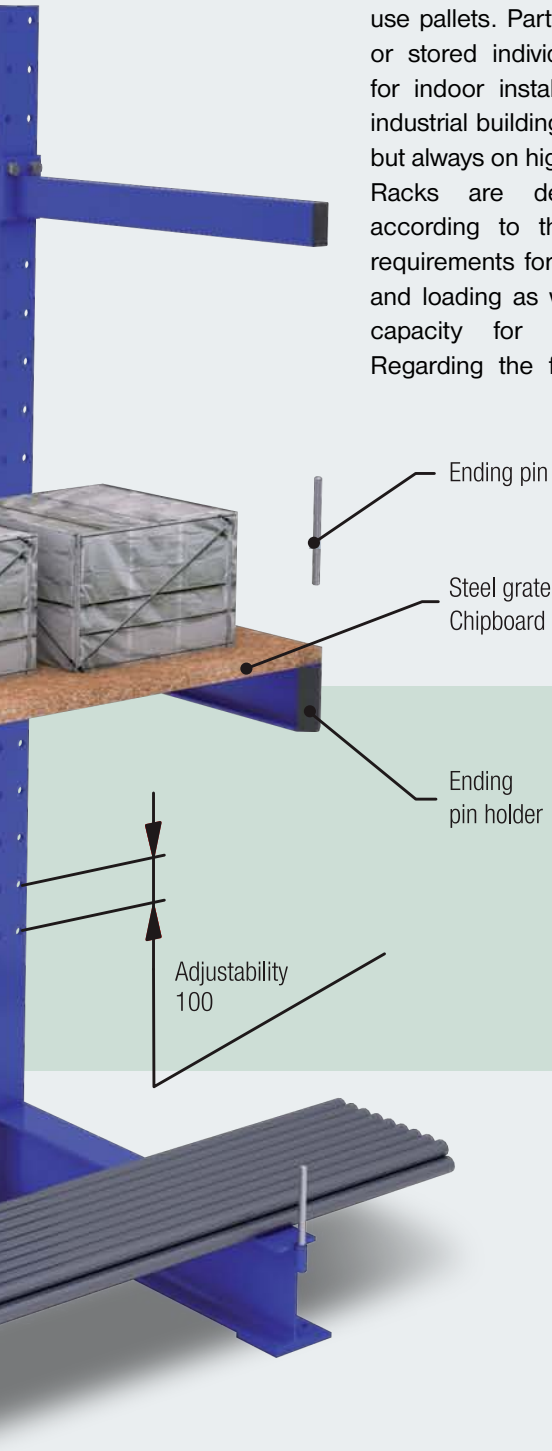
Its advantage is the ability to accommodate different lengths, shapes, and dimensions of the stored material, as well as to ensure a high storage loading capacity of each level and prompt access to the stored material.

The most common use of a cantilever racking system is in the warehouses of metallurgical material, in the manufacturing processes, or as an input tray of material before production lines.

The rack system from Proman includes a free offer, including a project based on consideration of the input space and handling requirements, transportation and assembly, the possibility of checking inspections, warranty and post-warranty service.

As a matter of course, the products have certificates of the state engineering testing institute and meet the demanding conditions of European standards.


Console lenght
Horizontal connection
Bracing
draw rod
Screw
connection
(console - column)
Turn
buckle
Height of column
Consoles
Column
with feet
Span
between columns



Cantilever racks are used mostly for the storage of long parts without the need to use pallets. Parts can be packed to bundles or stored individually. Racks are designed for indoor installation to storage halls and industrial buildings, as well as to the outside, but always on high-quality concrete floor.

Racks are designed and constructed according to the customers' wishes and requirements for the way of material storage and loading as well as the required loading capacity for particular loading levels. Regarding the fact that those wishes and requirements of users are various (spacing of columns, column length, length of storage consoles, the number of storage consoles, console loading capacity, additional equipment rack by shelves, etc.), each cantilever rack is solved as a separate unit particularly designed to meet each customer's needs.

Cantilever racks are self-supporting prefabricated structures of partially welded parts. They are made of conventional steel rolled profiles, which are reinforced by using of horizontal connections and bracing rods with belt tensioners.

DESCRIPTION OF THE SYSTEM

The rack delivery includes:

- ❒ Column with legs including anchoring
- ❒ Consoles including connecting material
- ❒ Horizontal and vertical bracing
- ❒ Loading capacity table
- ❒ An optional roof and wall construction, side rails for forklift

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TECHNICAL DETAILS

Cantilever racks

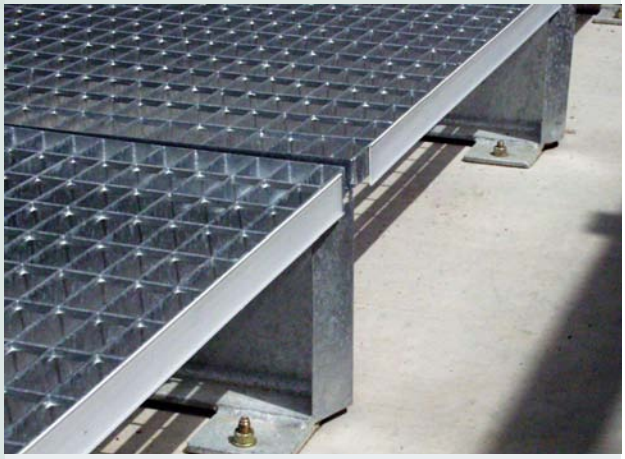
Cantilever racks are usually designed to a loading of individual consoles from 50 kg to 2000 kg, length of storage consoles from 500 mm to 2000 mm, spaced columns according to the length of the material stored and its weight, and the column height from 2000 mm according to the number of storage consoles.

Columns

The columns of cantilever racks with feet are made of steel rolled profiles of the IPE type. The connections of the columns with the supporting foot are designed as a bolted or welded. The front sides of the columns have holes used to fasten the storage consoles in the height-adjustable spacing of 100 mm. The column profile is designed differently depending on the required load, and its height is determined by the number of storage consoles.

Storage consoles

Storage consoles are mostly made of steel rolled profiles of the IPE or TR4HR type. Consoles are fastened via a metal foot plate by screw connection on the column. At the ends the consoles can be equipped with a fixture for the ending pins used against rolling of the material stored.



Surface finish

The surface finish of the cantilever rack is standardly made by spraying paint in the required RAL color shade for indoor use, or by hot dip galvanizing for outdoor use.

Solution for you. **PROMAN.**

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ISO 14001 : 2004
BS OHSAS 18001 : 2007

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