

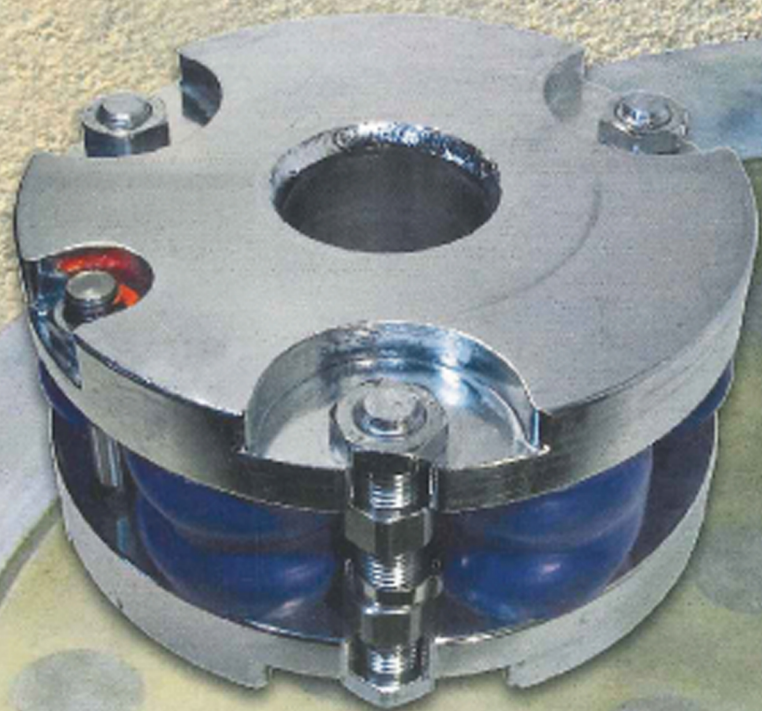


**Snamprogetti**

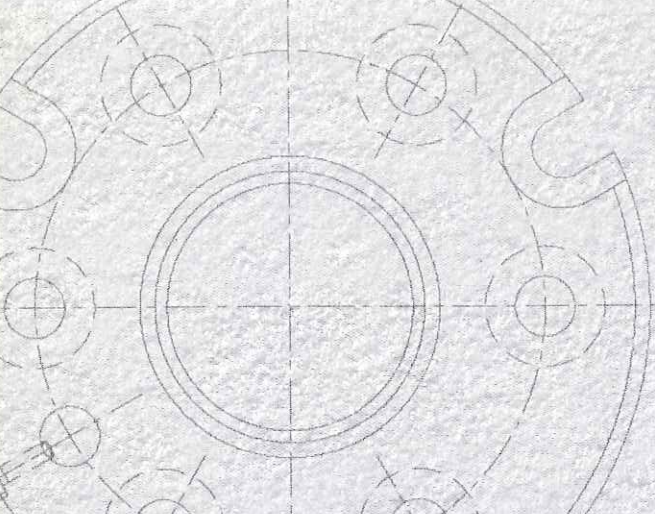
A company of Saipem

**CupDisk<sup>®</sup>**

***Technological Innovation***







## The Concept Lightweight Technology

CupDisk® is the product of many years of experience designing and constructing industrial plants and systems all over the world.

The basic design concept behind CupDisk® was to create a modular support with standardized dimensions, unlimited load capacity and maximum flexibility of application.

CupDisk® is a variable load spring support system. It has the following innovative features:

- Reduced size and weight
- Modular design
- Flexibility of application
- Highly standardized components.

The high level of efficiency of the CupDisk® system is demonstrated by the relationship between its size and its high load capacity which enables it to be used in many different fields – in the energy sector, in onshore/offshore installations and in marine applications.

CupDisk® is a simple, light, but extremely flexible piece of technology that will help speed up your design and installation process.



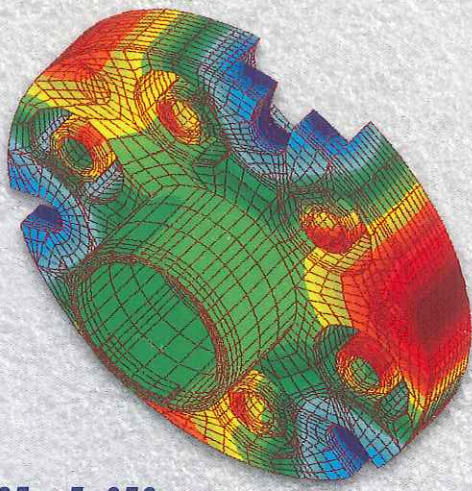
## The Advantages

Main advantages of using CupDisk®:

- weight and size: for the same load and travel, CupDisk® occupies less volume and is lighter than a coil spring support (at very high loads the advantage is significant)
- transport: CupDisk®'s reduced size and weight means lower transport costs
- design: system design is simplified because the overall dimensions and size of components do not depend on design loads, so a change in load does not mean a change in design
- supply time: available for immediate delivery
- modular design: CupDisk® can be installed in various combinations (in series and/or in parallel) to obtain many different load and travel conditions.







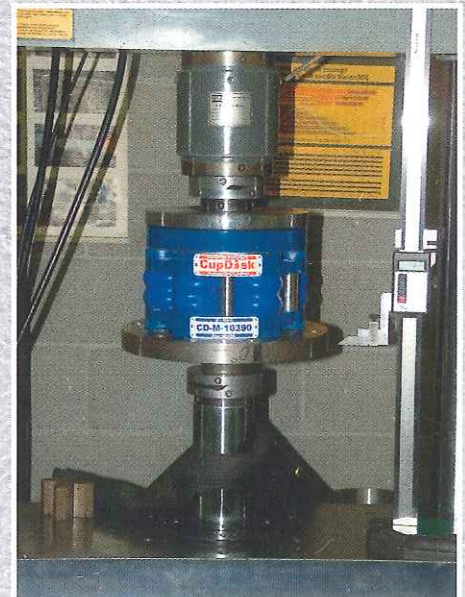
## The Availability

CupDisk® is available in three different sizes, each with different load ranges: the light L series, the medium M series and the heavy H series. In each series there are two versions with travel ranges of either 10 or 20 mm. The load range of the M series is from 500 kg to a maximum of 10,000 kg.

## The Flexibility

CupDisk® can be supplied as a single component or with interfaces that enable it to be used in multiple operating conditions (e.g. horizontal, vertical, supported or suspended). CupDisk® comes equipped with a series of standardized accessories that significantly increase its range of application.

A team of experts is available to help customers select the component that best meets their requirements.





# The Applications

## CupDisk®



Patent name: CupDisk®  
Category: Variable load elastic support  
Date of filing: 22.12.2005  
Date of publication: 28.06.2006

Patent n°: EP 1 674 777 A1  
Representative: Eni  
Inventor: Paolo Minola  
Company: Snamprogetti



**Power  
Stations**



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**Ships**

Owner



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