



Ramnäs
NOVA
CONNECTOR

The **New Star** among **Connectors**



With a new design the fatigue properties are considerable improved and higher peakloads are allowed. Adding a new Fast Lock system, Ramnäs NOVA Connector is designed to face the demands of the future offshore market.



Proactive R & D

To meet the tougher demands from the market by facilitate handling of the connectors offshore and by increasing fatigue properties, the new generation Ramnäs NOVA Connector has been developed.

The NOVA Connector is created by skilled and experienced personnel and with the most advanced design tools available. Thorough NDT tests and FEA analysis have been performed and the results are impressive.



RAMNÄS NOVA CONNECTOR

Fast Lock System

The new Fast Lock system enables safe operation with avoidance of loose items and no sledgehammer required. Another improvement to make the installation work easier is the replaceable center stud. Ramnäs NOVA Connector is easy to disassembly even after high loads and can therefore be reused several times.



Improved Fatigue Life

Ramnäs NOVA connector has been designed to improve fatigue life. The requirement to handle the risk of peak overloads during installation came from the market. The new design of connecting teeth of the NOVA Connector provides better stress distribution and has proved to stand higher loads; the stress in the locking areas is reduced significantly.



For Arctic Installations

There have been two types of tests performed; 1) Material tests in lower temperature environment (tensile and impact testing), all results were well within classification requirements (even at lower temperatures, -60°C/-76°F). 2) Full scale Minimum Breaking Load (MBL) tests at -25°C/-13°F, the MBL specified by the classes were exceeded.



Quick facts

Ramnäs Nova Connector has the same outside shape as a traditional Kenter joining and RF connector with an outside thickness (D) of 1.30 x d. The slim shape enables Ramnäs NOVA Connector to be used in every mooring system.

Ramnäs Nova Connectors are available in chain dimensions from 76 mm and up, in all offshore grades.

Key benefits

- Improved fatigue life
- Allows higher peakloads
- New Locking mechanism/Fast Lock system
- Tested for Arctic installations
- A designed spot for ID chip as standard
- Standardized production;
 - Robotized heat treatment process
 - CNC/DNC machined parts



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