

OUR RANGE OF CHAINS AND FITTINGS:

1) NAVAL DEFENCE, MARITIME SECURITY:

➔ **STUD LINK/STUDLESS ANCHOR CHAINS FROM 14 MM DIAMETRE WITH CORRESPONDING ANCHORS & FITTINGS IN STAINLESS STEEL (316L OR DUPLEX UNS S31803) OR HIGH TENSILE NON MAGNETIC STEEL WITH LOW MAGNETIC PERMEABILITY ($\mu = 1.1$) WITH CLASS CERTIFICATION BY BV & LRS**



☞ **FOR NAVIES, MILITARY SHIPYARDS, MINISTRIES OF DEFENCE**

- **USED ON WARSHIPS, MINE HUNTERS, FRIGATES, CORVETTES, DESTROYERS, AIRCRAFT CARRIERS, COMMAND SHIPS...**



☞ **FOR COAST GUARDS:**

- **USED ON OFFSHORE & COASTAL PATROL VESSELS, MULTI-MISSION VESSELS...**



2) CIVIL/COMMERCIAL SHIPYARDS AND SHIPREPAIR YARDS:

➔ **STUD LINK/STUDLESS ANCHOR CHAINS FROM 14 MM DIAMETRE UP TO 135 MM IN GRADE 2 & 3 (CARBONE MANGANESE STEEL) WITH FITTINGS (KENTER SHACKLES, JOINING SHACKLES, SWIVELS) AND ANCHORS (HALL, SPECK, HIGH HOLDING POWER ANCHORS, AC 14, DANFORTH,**)



For:

➔ **SHIPBUILDING AND SHIPREPAIRING YARDS /SHIOWNERS**



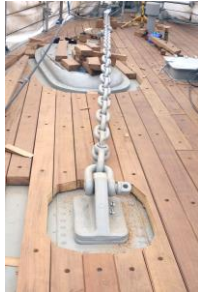
3) YACHTING

➔ **HIGH QUALITY STUDLINK OR OPEN LINK CHAINS FROM 14 MM UP TO 44 MM WITH CORRESPONDING FITTINGS AND HHP ANCHORS :**

**- MADE FROM STAINLESS STEEL (AISI 316 L, OR DUPLEX UNS S31803)
MIRROR POLISHED**



- OR MADE FROM GRADE 3 MATERIAL AND WITH HOT DIP GALVANIZED FINISH



CERTIFIED BY LRS, BV, OR RINA

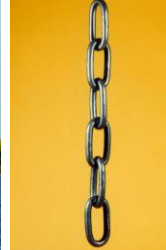


For:

→ LUXURY YACHTS / SUPER YACHTS/ MEGA YACHTS SUPPLIED BY YACHTS OR SHIP CHANDLERS

4) PORTS AUTHORITIES AND MARITIME ADMINISTRATIONS:

→ OPEN LINK CHAINS FOR ANCHORING AND MOORING MADE OF SHORT LINKS OR LONG LINKS IN GRADE 40, 50 OR 60, WITH CORRESPONDING ANCHORS AND FITTINGS.



For:

→ LIGHTHOUSES AND MARITIME ADMINISTRATIONS

➔ **FENDER CHAINS FROM 18 MM TO 50 MM MADE WITH SHORT OR LONG LINKS IN MILD STEEL (GRADE 40), OR IN HIGH RESISTANCE STEEL (GRADE 60), EITHER HOT DIP GALVANISED, ZINKED OR IN STAINLESS STEEL.**

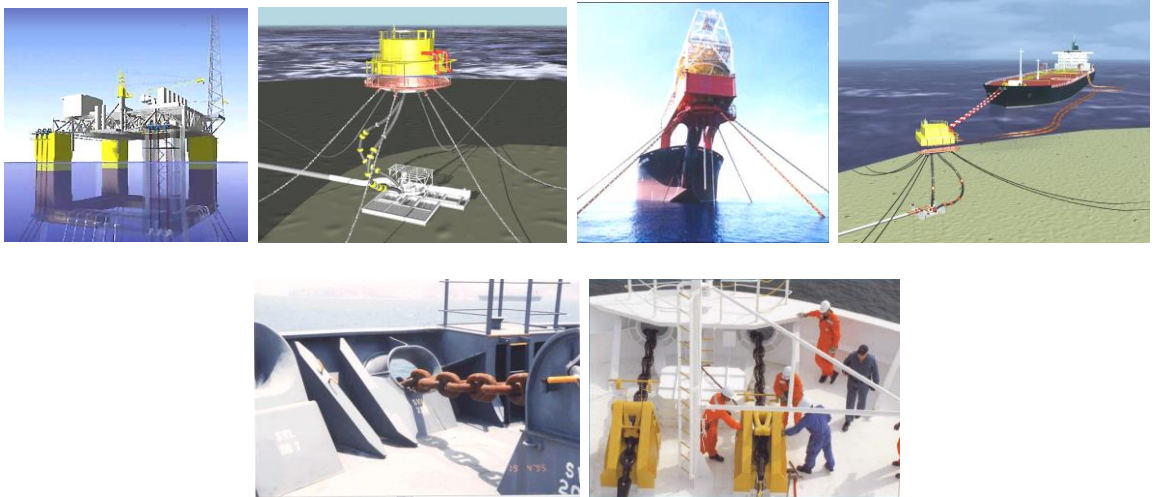


☞ **For:**

- ⇒ **PORTS AUTHORITIES**
- ⇒ **FABRICATORS/ SUPPLIERS OF RUBBER FENDERS**

5) OIL AND GAS INDUSTRY:

➔ **OFFSHORE MOORING CHAINS (STUD LINK & STUDLESS) up to 157 mm in grade R3, R3S, R4 & R5 (Alloy Steel)**



➔ **FITTINGS MOUNTED ON OFFSHORE MOORING CHAINS: LTM SHACKLES, H SHACKLES, SLIM KENTER SHACKLES, CLOSED SWIVELS, LLC LINKS, PLATES ...**





→ OUR APPROVALS:

- **ISO 9001 APPROVED BY TUV **
- **APPROVED BY BV FOR 316 L STAINLESS STEEL & NON MAGNETIC CHAINS**
- **APPROVED BY LRS FOR DUPLEX STAINLESS UNS S31803**
- **APPROVED BY BV, LRS, ABS, RINA FOR CHAINS IN GRADE 2, 3 (MARINE APPLICATION) ORQ, R3 & R4 (OFFSHORE APPLICATION)**



→ SOME REFERENCES IN THE NAVAL DEFENCE/MARITIME SECURITY:

NAVIES/MINISTRIES OF DEFENSE:

NAVAL GROUP FAR EAST PTE LTD - SINGAPORE
ITALIAN NAVY
ROYAL NAVY OF OMAN
BOUSTEAD DCNS NAVAL CORPORATION Sdn Bhd for Malaysian Royal Navy
MINISTERIO DA DEFESA NACIONAL – Portugal
MINISTERE DE LA DEFENSE NATIONALE – TUNISIA
CHILEAN NAVY
LA DEFENSE – DIRECTION GENERALE – BELGIUM
FRENCH NAVY: anchor chains on Aircraft Carrier “Charles De Gaulle”
FRENCH NAVY: Non Magnetic chains on Tripartite Minehunters “CEPHEE” ...

SHIPYARDS OR CUSTOMERS:

NAVAL GROUP FAR EAST Pte Ltd – SINGAPORE
ARSENAL DO ALFEITE – NRP SAGRES NAVY SCHOOL SHIP - PORTUGAL
MAZAGON DOCK SHIPBUILDERS LTD: Anchor chains for SCORPENE P75 SUBMARINES for Indian Navy
NAVANTIA SHIPYARD: Nonmagnetic chains for Minesweepers to the Spanish Navy
KETTENFABRIK UNNA – Germany: Nonmagnetic chains
SHIPYARD ATG GIURGIU - ROMANIA
SERVICIOS INDUSTRIALES DE LA MARINA – PERU
CHANTIERS DE L’ATLANTIQUE (STX) – FRANCE
PIRIOU NAVAL SERVICE – FRANCE
SOCARENAM – FRANCE....