Our main worldwide references

**Shipyards**

- JURONG, PPL, KFELS (Singapore)
- LETOURNEAU, FRIEDE & GOLDMAN (USA)
- HYUNDAI (South Korea)
- DSOC (China)
  (Dalian shipbuilding Offshore Co.)
- ABG shipyard (India)...

**Designs**

- FRIEDE & GOLDMAN: JU2000E, SUPER M2, JU2000A...
- BMC: PACIFIC CLASS 375
- MSC: CJ70, CJ46...
- KFELS: Mod V, Mod VI
- Technip: TPG 500

Photos published with company authorization: Letourneau, PPL, Technip, TotalFinaElf
Leg components
for jack-up rigs
Welded elements for jack-up rigs

Industeel has worldwide experience of more than 20 years on the jack-up market and is recognized as one of the few major suppliers.

Industeel produces welded elements for jack-up leg manufacture. These elements are assembled from cut racks and hot pressed chords welded on both sides of each rack.

Your needs, our products, A project team at your service

Racks

These pieces are flame-cut from very high quality quenched and tempered plates:

- Very high tensile properties (YS ≥ 690 MPa / 100 ksi) and very high levels of toughness at low temperature (−60°C / −76°F) with improved weldability.
- Very tight tolerances which give to these products a geometry comparable to machined parts with in particular stringent guarantees on squareness.
Our special steel grades

High quality quenched and tempered steel:

**SUPERELSO® 690 CR**
- YS = 690 MPa (100 Ksi)
- KV = 50 J ave. @ -60°C

**Key points:**
- Good weldability
- Tough HAZ in as welded conditions
- Used without PWHT
- Resistant to hydrogen embrittlement under cathodic protection

**Also available for your projects:**
- SUPERELSO® 400
- SUPERELSO® 450
- SUPERELSO® 500
- SUPERELSO® 550
- SUPERELSO® 600

And for improved design:

**SUPERELSO® 830 CR**

**Chords**

- Hot pressed chords up to 5 inches in thickness with extra tight dimensional tolerances and identical mechanical properties to the racks.
The technical requirements of each project are studied by our research center. We are able to document all the specifications and to provide the technical assistance required.

Our offer

Racks:
- Thickness up to about 8” (210 mm)
- Weight up to 25.5 st (23 mt)
- Length up to 49 ft (15 meters)

Chords:
- Thickness up to 5” (127 mm)

Welded pieces:
- Weight up to 77.6 st (70 mt)
- Length up to 74.7 ft (24.5 meters)

Rack chocks for fixation systems:
- Thickness up to 10” (254 mm)
- Grades up to HY 120

Welded elements

- **Welded elements** assembled from racks and chords with an exceptional size range in one piece.

  **Usual sizes**:
  - Length: 39/43 ft (12/13 m)
  - Weight: 16/22 st (15/20 mt)

- **The tolerances** of flatness and camber chord twist guaranteed on finished welded elements are also exceptional.

- **The properties** in weld deposit metal and Heat Affected Zone are strictly homogeneous with the base metal.