

## Piping for ships

DHF's induction bending has been approved by the Nippon Kaiji Kyokai, known as ClassNK and used for shipbuilding.

The design of piping layout must be considered effectively since the inside space of ships are strictly limited.

To meet such requirements, DHF provides 1DR radius induction bends which are equivalent to Short Elbow.



Cargo oil line



Piping in a ship

### Bending specifications

<b>Pipe material</b>	carbon steel, alloyed steel, stainless steel, 1% Cr-steel etc
<b>Outside Diameter</b>	1" ~ 48"
<b>Wall thickness</b>	2mm ~ 130mm
<b>Radius</b>	1DR ~ 3DR
<b>Angle</b>	max 180°



S-shaped bends



1DR bends

### Type of ship

• Bulk carrier

• LNG carrier

• LPG carrier

• Product tanker

• Aframax tanker

• Chemical tanker

• Car carrier

• Container vessel

• FPSO

• Naval vessel