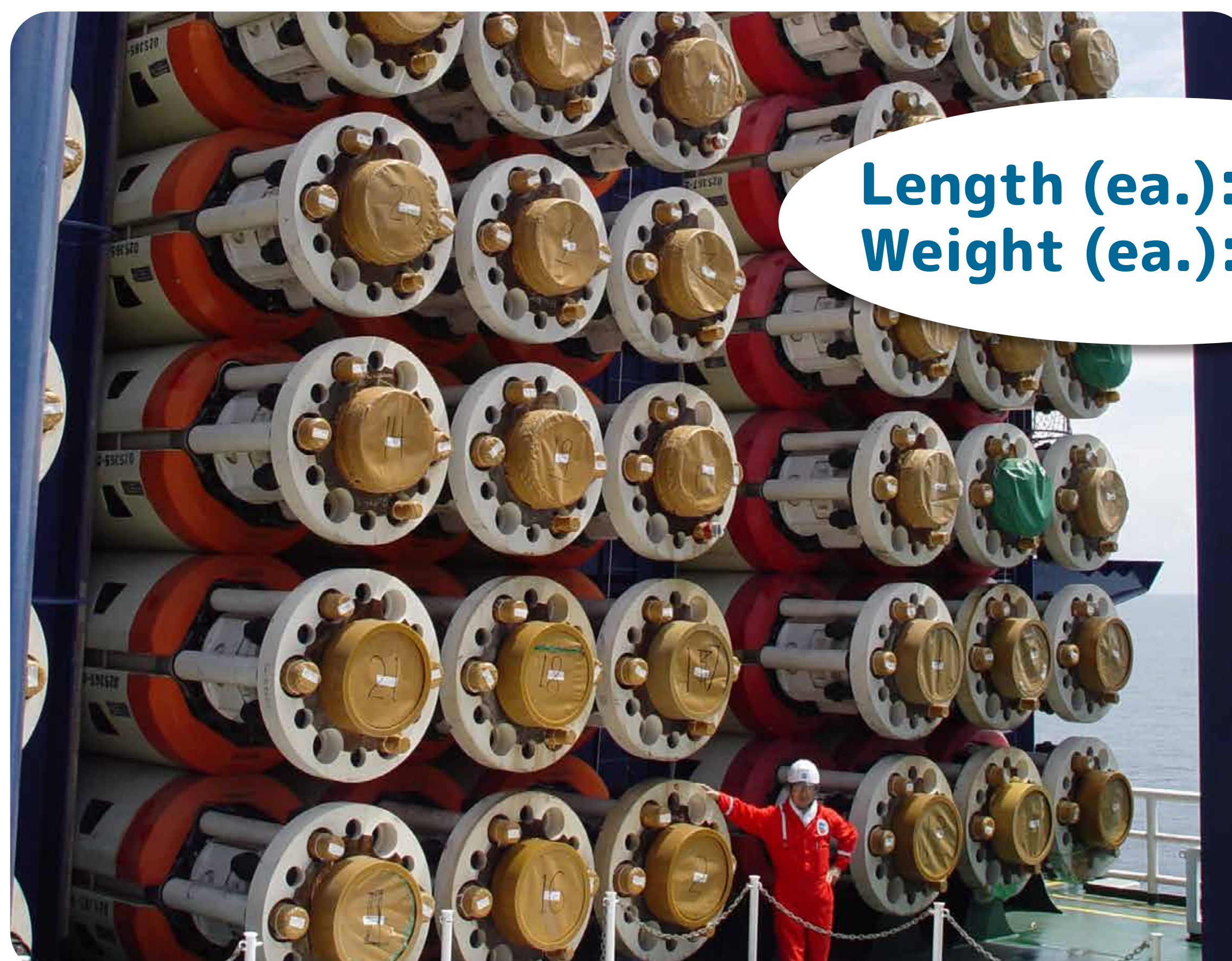


# Three kinds of pipes essential for *Chikyū* drilling

## Drilling Pipes

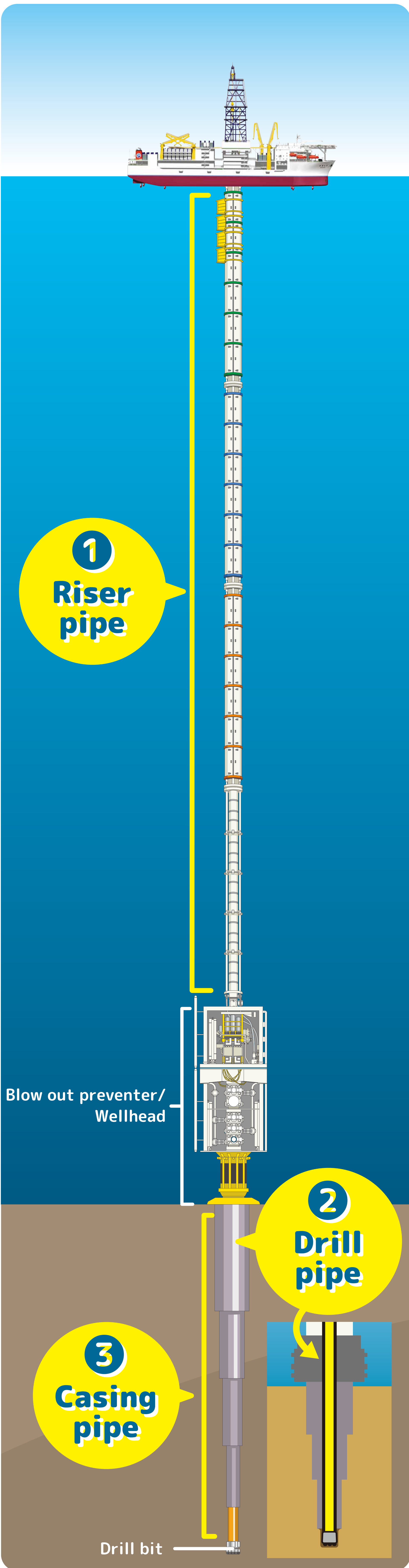
### ① Riser pipe

The riser pipe connects the ship to the BOP on the seabed, and the borehole below that. Drilling mud is cycled from the bottom of the borehole back to the ship through the riser pipe. The drill pipe also passes through the riser pipe.



Length (ea.): 27.4 m  
Weight (ea.): 27 ton

### ① Riser pipe



### ② Drill pipe

Drill pipe is used to drill the well, rotated by the top drive in the derrick. The drill bit at the end of the drill pipe "digs" the borehole. The drill pipe passes through the riser pipe and casing pipe.



Length (ea.): 9.5 m  
Weight (ea.): 350 kg

### ③ Casing pipe

Casing pipe prevents borehole collapse. The casing pipe is run into the borehole and cemented to the sediments or rock formations below the seabed.



### ③ Casing pipe

### ② Drill pipe

Drill bit