

# Facile

~We will contribute to hydrogen based society through supplying Facile~

## Features

Under the conditions  
at high temperature and high pressure  
hydrogen

- High tensile strength equivalent to SUS304WPB
- High ductility and fatigue strength (more than SUS304WPB, SUS631J1)

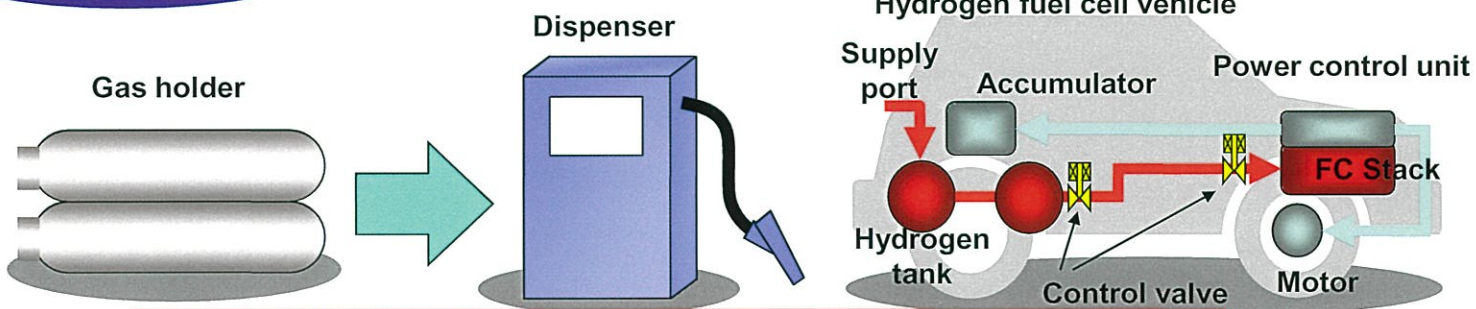
## Specifications

※Please feel free to inquire about other sizes

Diameter(mm)	TS (MPa)
0.50	1900~2150
1.00	1800~2050
1.50	1700~1950
2.00	1600~1850
2.50	1500~1750

## Application

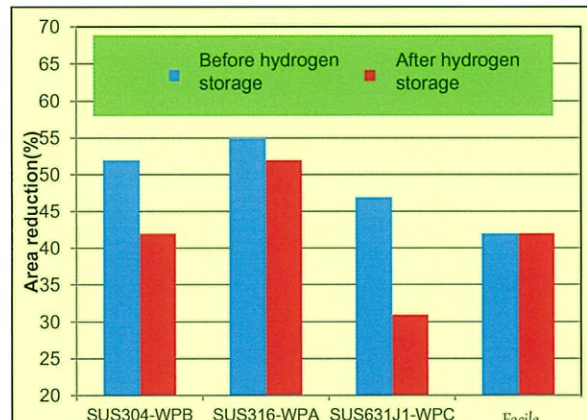
### Hydrogen fuel cell vehicle and hydrogen supply system



Facile is required in order to sustain the hydrogen based society

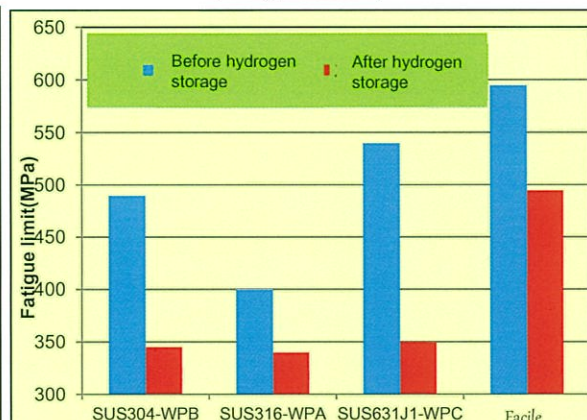
## Performance

### Results of ductility



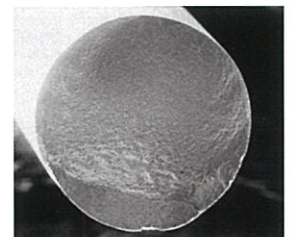
Facile keeps ductility

### Results of Rotating bending fatigue test

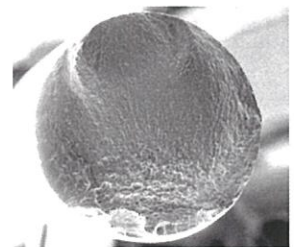


Facile is the minimum for reduction of fatigue limit

### Fracture surface with fatigue test



Before hydrogen storage



After hydrogen storage

Almost same before and after

Facile keeps high ductility and fatigue strength even after hydrogen storage