

## Spacer Coupling

In mechanics, spacer coupling is a component that connects the electrical motor shaft to the pump shaft for the rotational motion from one shaft to the other on the same axis.

In fire boosters, spacer coupling enables replacement of the impeller or the mechanical seal easily while keeping the pump connected to the installation when the end-suction pumps in line with EN 12845 and NFPA 20 standards.

**Spacer coupling is composed of 5 parts:**

- 1- Female
- 2- Male
- 3- Extension Spacer
- 4- Chock
- 5- Rubber

The coupling is GG25 cast iron. It is classified based on motor power and speed.



## Booster Chassis and Panel Stand

Booster chassis can be used for one to four pump boosters. Its thickness ranges from 3mm to 8mm. It is made of HRP sheet metal. Following passivation, it is painted with electrostatic spray painting.

The panel stand is used to mount the panels of one to four pump boosters onto the chassis. It is made of square profile or steel pipe. Following passivation, it is painted with electrostatic spray painting.



## Collectors

- Collectors can be used for two to four pump boosters.
- Their sizes range from 1¼" to ND 250 depending on the capacity of the booster.
- They are manufactured using special forming and coating methods.
- Leakage test are applied to all collectors.
- They are made of ST 37 carbon steel, AISI 304 and 316 stainless steel pipes.
- ST 37 carbon steel collectors are treated with special chemicals and chrome coated against corrosion.
- Stainless collectors are electro-polished for resistance to corrosion.

