

# Symmetrical Fittings - Guillemin, DSP, Express

Demi-raccord symétrique (symmetrical half coupling) is the French-origin type of couplings for quick disconnection in the transfer of fluids at a pressuring rate PN 6~16. We provide Guillemin, DSP & AR, and express fittings made of aluminum, brass alloy, stainless steel and polypropylene.

The half couplings are available with hose shank for hose assembly, connecting adapter, blind end. Guillemin is in the range from DN 15~150, DSP from DN 40~100 and Express fittings ¼" ~ 1¼".

The series are designed and produced in accordance with NF standard or tailored dimensions as required by clients.



## Guillemin Type Tests

Guillemin couplings are symmetrical fittings with claw joints. Two half couplings are closed with soft sealing by making the locking ring a quarter turn that sends the chamfered lugs into the claws.

Therefore the claws must stay perfectly intact whenever the case, especially like one hitting the floor; or commonly upon the lateral tensile force that keeps rising from the connecting hose. On-spot inspection with a roundness caliber is made randomly to check the claw specs.

Furtherly we made type tests in order to make sure the claws are strong enough against impacts from all directions in use.

In flaring test, we use a 45 ° steel cone probe of hardness greater than 250HB lying between the claws. We test the claws by progressing the probe further and further to expand them till the breakage at either side.

And in shrinking test, a cone plate of a 135 ° touching angle is lifted high through a guidance pole. It is then dropped to cap the claws at the force of gravity. The process will be repeated for over a hundred of times before before the claws' inner side turns over. Cleavage at bottom of the claws would be visualized.



