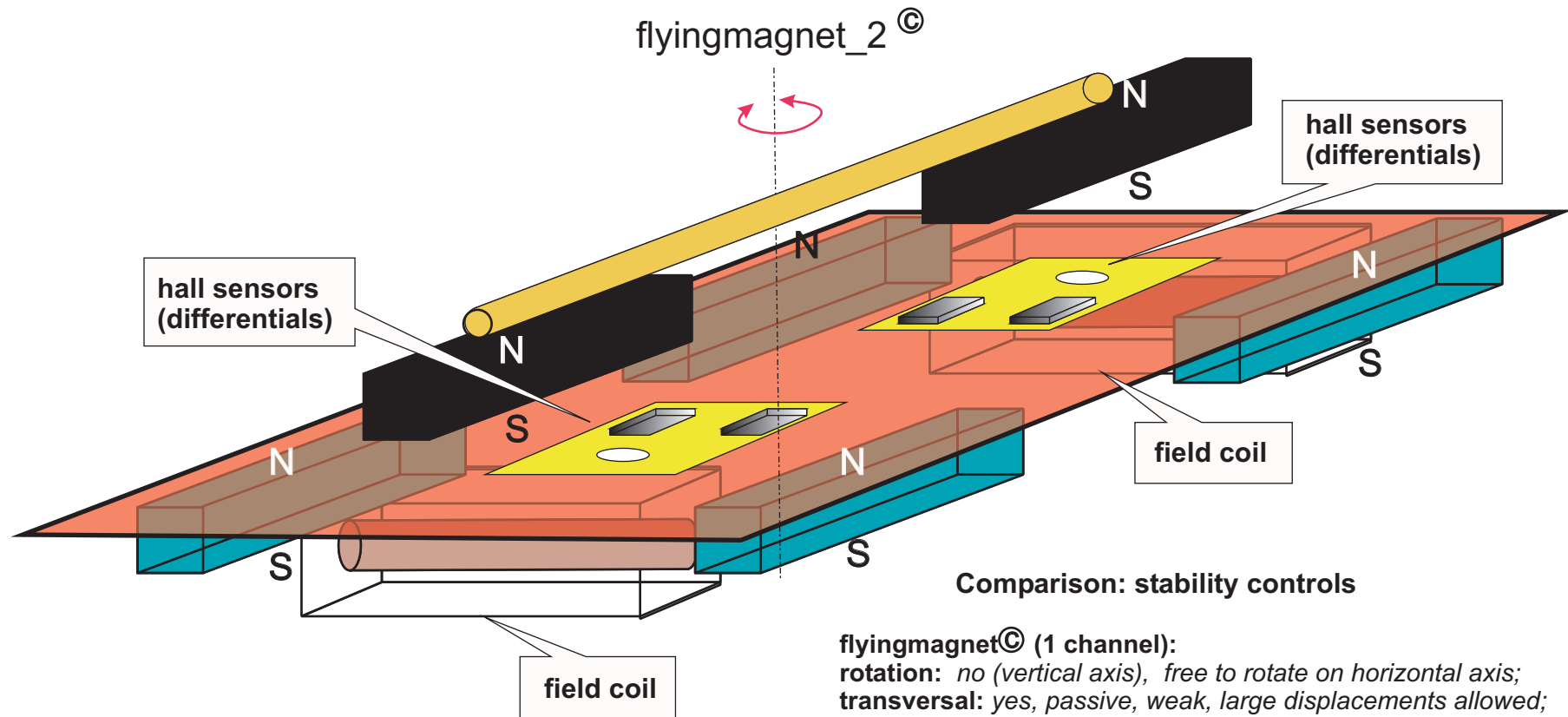


Deliberately misuse of one testjig to make of it a "false" Flyingmagnet

All magnet are same (aprox.: 9.2 x 9.2 x 47.5 mm)

It is better to give some freedom in rotation for at least one of floating magnet for avoid problem of oscillations dues to the interaction (coupling) between both sides.

This problem disappears if we reverse one of both sides magnets polarities : 2 magnets stuck together by one of their ends (NS/SN) and the 2 corresponding sustentation magnets



Comparison: stability controls

flyingmagnet© (1 channel):

rotation: no (vertical axis), free to rotate on horizontal axis;
transversal: yes, passive, weak, large displacements allowed;
longitudinal: active, solide position.

flyingmagnet_2 geometry© (2 channels):

rotation: yes, passive, solide, no rotation allowed on horizontal axis;
transversal: active, solide, no transverse displacement allowed
but limited angle **rotation** allowed if using moving magnet;
longitudinal: yes, passive, weak, large displacements allowed.

Flyingmagnet_2©

updated : 16 October 2012