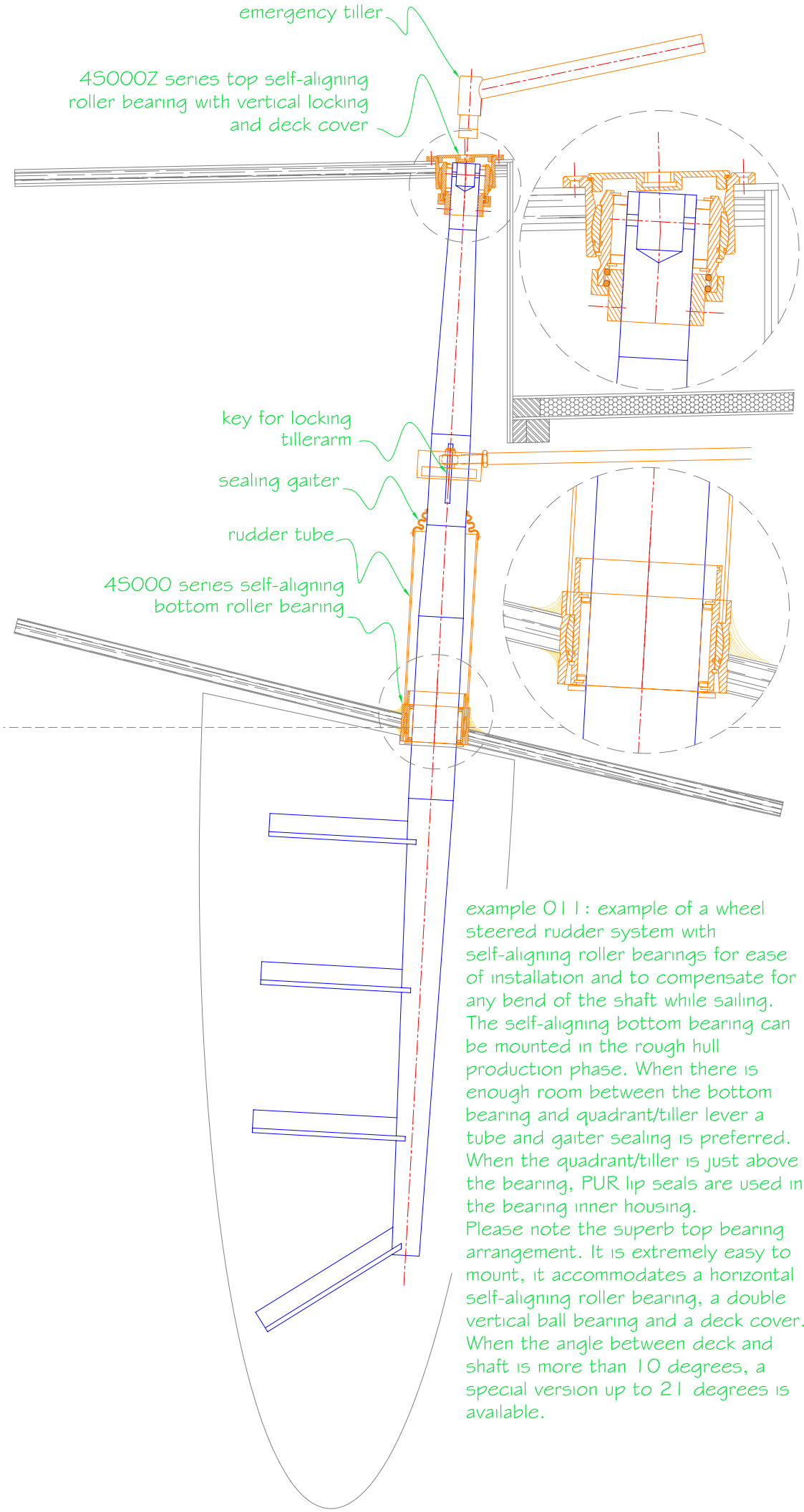
solution with self-aligning roller bearings



example 011: example of a wheel steered rudder system with self-aligning roller bearings for ease of installation and to compensate for any bend of the shaft while sailing. The self-aligning bottom bearing can be mounted in the rough hull production phase. When there is enough room between the bottom bearing and quadrant/tiller lever a tube and gaiter sealing is preferred. When the quadrant/tiller is just above the bearing, PUR lip seals are used in the bearing inner housing.
Please note the superb top bearing arrangement. It is extremely easy to mount, it accommodates a horizontal self-aligning roller bearing, a double vertical ball bearing and a deck cover. When the angle between deck and shaft is more than 10 degrees, a special version up to 21 degrees is available.