Experiences with Different Constructions of Superconducting Corrector Magnets for the LHC, A. IJSPEERT, J. SALMINEN, CERN - In the framework of the LHC magnet development program, CERN has tested different design principles on superconducting corrector magnet prototypes. In this paper we review experiences with the manufacturing and testing of sextupole and decapole spool-pieces and Landau damping octupoles featuring cosine-theta type of coils, made of double width in order to half the number of the coils. The two-layer racetrack coils have been wound from a rectangular NbTi-wire without using any end spacers. The coils are mounted without any azimuthal pre-stress inside an iron tube acting as a yoke. The expected performance from the calculations has been compared with the measured training of the magnets both at 4.2 K and 1.9 K.