In the case of single-layer windings, three cases are considered.

- With consequent-pole (crown) windings, the elementary number of coils is q₁p, where q₁ is the number of slots per pole per phase and p is the number of pairs of poles. The number of parallel branches a is chosen so that q₁p/a is an integer.
- End-turns lying in two planes can be realized only with symmetric parallel branches if the ratio p/2a is an integer. It should be noted that a winding with an odd number p can be realized only with distorted coils, which are difficult to manufacture.
- 3. In the case of windings with end-turns in three planes, there are q₁/2 elementary coils in one coil group and the number of coil groups is 2p per phase. With a parallel connection, a number of elementary coils have to be placed in the parallel branches, and the resultant coil length has to be identical for total symmetry. If the ratios 2p/a and q₁p/a are both integers, the winding is totally symmetrical.

In the case of double-layer windings, the number of ele mentary coils is equal to the number of slots. There are fewer obstacles to creating parallel branches in this case.