Claims

1. Pipe connection (1) with a connection body (2), a nut (3) which can be screwed onto or into the connection body, wherein the nut has a conical bore (32) that is configured to widen in the direction of the connection body (2), and a pipe (4), which is guided through a bore (33) of the nut and which has an outwardly projecting formation (41) with two clamping surfaces (42, 43), of which a first clamping surface (42) is parallel to the end face (22) of the connection body (2) and, in the clamped state of the pipe connection (1), is supported at least in regions on the connection body (2), and the second clamping surface (43) is of conical design corresponding to the conical bore (32) of the nut (3) and is supported in the conical bore (32) of the nut (3), wherein the connection body (2) has a radially circumferential recess, through which a holding space (6) for a sealing ring (5) is formed, which is delimited by the first clamping surface (42), characterized in that the first clamping surface (42) of the pipe (4) merges into a connection surface (44), which tapers conically in the direction of the cylindrical end section (45) of the pipe (4), and in that the sealing ring (5) has a polygonal, symmetrical cross-section.

2. Pipe connection according to claim 1, characterized in that the recess is formed by a conical bore (23) extending up to the end face (22) of the connection body (2) and widening in the direction of the end face (22), which conical bore, at its smallest diameter, opens into a cylindrical bore (24) of the connection body (2), the inner diameter of which preferably corresponds substantially to the outer diameter of the end section of the pipe (4) received by the connection piece (2).

3. Pipe connection according to one of the preceding claims, characterized in that the cross-section of the sealing ring (5) is pentagonal or hexagonal.

4. Pipe connection according to claim 3, characterized in that the cross-section of the sealing ring (5) is hexagonal, wherein the cross-section is formed by two base sides, which are parallel to one another and angled outwards in the manner of a gabled roof, which base sides are connected to one another via two outer sides, which are shorter than the base sides.

5. Pipe connection according to claim 4, characterized in that the corners of the cross-section of the sealing ring (5) are rounded over a radius (54).