Claims

1. A bayonet fastening suitable for connecting two pipeline components, in particular connecting elements, wherein the pipeline components to be connected comprise a cylindrical receiving part (1) and the second pipeline component has an insertion part (2) which can be inserted in the receiving part (1), characterized in that a clamping ring (3), onto which the receiving part (1) can be slipped, is arranged on the outside diameter of the insertion part (2) and the bayonet fastening is lockable by rotating the receiving part (1) and the insertion part (2) in relation to one another.

2. The bayonet fastening as claims in claim 1, characterized in that the clamping ring (3) consists of at least two clamping segments (4).

3. The bayonet fastening as claimed in either of claims 1 or 2, characterized in that the clamping segment (4) has at least one latching lug (11).

4. The bayonet fastening as claimed in claim 3, characterized in that the latching lug (11) has a bar (27) which, in the latched-in position, has a positive radial fit with a latching opening (20) of the receiving part (1).

5. The bayonet fastening as claimed in one of claims 1 to 3, characterized in that the clamping segment (4) has connecting bars (8, 9) for connecting the individual clamping segments (4) to form a clamping ring (3).

6. The bayonet fastening as claimed in one of the preceding claims, characterized in that the clamping segments (4), which are joined together to form a clamping ring (3), are identical.

7. The bayonet fastening as claimed in one of the preceding claims, characterized in that the clamping segment (4) has a circle sector (12) in excess of 180°, which preferably lies within the range of 210° - 230°.

8. The bayonet fastening as claimed in one of the preceding claims, characterized in that the clamping segment (4) has at least one latching tooth (28) which interacts with the corresponding latching position on the insertion part (2).

9. The bayonet fastening as claimed in claim 8, characterized in that the latching tooth (28) is realized in a resilient manner.

10. The bayonet fastening as claimed in either of claims 8 or 9, characterized in that the latching tooth (28) extends into a recess (29) which is arranged on the circumference of the insertion part (2).

11. The bayonet fastening as claimed in claim 11, characterized in that several recesses (29) are arranged along the circumference of the insertion part (2) for aligning the bayonet fastening or the pipeline components in an individual manner.

12. The bayonet fastening as claimed in one of the preceding claims, characterized in that the clamping segment (4) is produced from plastics material, preferably from PPSU or polyamide.

13. The bayonet fastening as claimed in one of the preceding claims, characterized in that the pipeline components are connecting elements, preferably distributors (21).

14. The bayonet fastening as claimed in one of the preceding claims, characterized in that the pipeline components are produced from plastics material, preferably from PPSU or polyamide.

15. A ring (3) preferably consisting of segments suitable for connecting and for aligning pipeline components, in particular connecting elements, characterized in that the ring (3) has a latching tooth (28) which is preferably arranged in a resilient manner.

Claims

1. Bayonet fastening suitable for connecting two pipeline components, in particular connecting elements, wherein the pipeline components to be connected comprise a cylindrical receiving part (1) and the second pipeline component has an insertion part (2) which can be inserted in the receiving part (1), containing the receiving part (1) and the insertion part (2), wherein a clamping ring (3), onto which the receiving part (1) can be slipped, is arranged on the outside diameter of the insertion part (2) and the bayonet fastening is lockable by rotating the receiving part (1) and the insertion part (2) in relation to one another wherein the clamping ring (3) consists of at least two clamping segments (4), characterized in that the clamping segment (4) has at least one latching tooth (28) which interacts with the corresponding latching position on the insertion part (2).

2. Bayonet fastening according to Claim 1, characterized in that the clamping segment (4) has at least one latching lug (11).

3. Bayonet fastening according to Claim 2, characterized in that the latching lug (11) has a bar (27) which, in the latched-in position, has a positive radial fit with a latching opening (20) of the receiving part (1).

4. Bayonet fastening according to one of Claims 1 to 2, characterized in that the clamping segment (4) has connecting bars (8, 9) for connecting the individual clamping segments (4) to form a clamping ring (3).

5. Bayonet fastening according to one of the preceding claims, characterized in that the clamping segments (4), which are joined together to form a clamping ring (3), are identical.

6. Bayonet fastening according to one of the preceding claims, characterized in that the clamping segment (4) has a circle sector (12) in excess of 180°, which preferably lies within the range of 210° - 230°.

7. Bayonet fastening according to Claim 1, characterized in that the latching tooth (28) is realized in a resilient manner.

8. Bayonet fastening according to either of Claims 1 or 7, characterized in that the latching tooth (28) extends into a recess (29) which is arranged on the circumference of the insertion part (2).

9. Bayonet fastening according to Claim 8, characterized in that several recesses (29) are arranged along the circumference of the insertion part (2) for aligning the bayonet fastening or the pipeline components in an individual manner.

10. Bayonet fastening according to one of the preceding claims, characterized in that the clamping segment (4) is produced from plastics material, preferably from PPSU or polyamide.

11. Bayonet fastening according to one of the preceding claims, characterized in that the pipeline components are connecting elements, preferably distributors (21).

12. Bayonet fastening according to one of the preceding claims, characterized in that the pipeline components are produced from plastics material, preferably from PPSU or polyamide.