CLAIMS

1. A composite washer (100) for force indication and preventing a fastener from loosening, the composite washer comprising,

a top part (120) which has a circumferential extension around an axis (A),

an elastic part (130) which has a circumferential extension around the axis,

a base part (140) which has a circumferential extension around the axis,

wherein the top part, the elastic part and the base part are connected to each other,

wherein the elastic part is arranged in-between the top part and the base part, wherein there is a central opening (102) which has an extension along the axis throughout the top part, the elastic part and the base part,

wherein the composite washer is arranged to be in a primary state where the elastic part is visible at a lateral surface thereof, and

wherein the composite washer is arranged to be in a secondary state where the elastic part is compressed by the top part and base part such that the elastic part is hidden by at least one of the top part and the base part, at the lateral surface thereof.

2. A composite washer (200) according to claim 1 wherein the elastic part (230) has a longitudinal extension along the axis (A), from an upper portion (231), via a mid-portion (232), to a lower portion (233) thereof, wherein, when the elastic part is uncompressed, a first inner diameter (D1) at the upper portion is different from a second inner diameter (D2) at the mid-portion.

3. A composite washer (200) according to claim 2 wherein the first inner diameter (D1) is smaller than the second inner diameter (D2).

4. A composite washer (300) according to any preceding claim wherein the elastic part (330) comprises a groove (334) circumferentially extending around an inner surface of the elastic part (330) facing the axis (A).

5. A composite washer (100) according to any preceding claim wherein the elastic part (130) is made by the material polyurethan.

6. A composite washer (100) according to any preceding claim, wherein the top part (120) comprises an outer top wall portion (121) which circumferentially extends around the axis (A), wherein the outer top wall portion has a longitudinal extension towards the base part (140), wherein the base part comprises an outer base wall portion (141) which circumferentially extends around the axis, and wherein the outer base wall portion has a longitudinal extension towards the top part.

7. A composite washer (400) according to any preceding claim, wherein the top part (420) comprises a top engagement portion (422) which is engaged with the elastic part (430) such that the connection between the elastic part and the top part is maintained, and wherein and the base part (440) comprises a base engagement portion (442), which is engaged with the elastic part such that the connection between the elastic part and the base part is maintained.

8. A composite washer (400) according to claim 7, wherein the top engagement portion (422) comprises a first inclined surface (423) which circumferentially extends around the axis (A) and wherein the first inclined surface faces away from the axis and towards the base part (440) and wherein the base engagement portion (442) comprises a second inclined surface (443) which circumferentially extends around the axis (A) wherein the second inclined surface faces away from the axis and towards the top part (420).

9. A composite washer (500) according any preceding claim wherein the top part (520) comprises a first contact portion (525) and the base part (540) comprises a second contact portion (545) wherein the first contact portion is in direct contact with the second contact portion.

10. A composite washer (500) according to claim 9 wherein the first contact portion (525) restricts the second contact portion (545) from transversal movement in a plane perpendicular to the axis (A).

11. A composite washer (600) according to claim 9 or 10 wherein the first contact portion (625) comprises a first locking element (624) and the second contact portion (645) comprises a second locking element (644) wherein the first locking element is engaged with the second locking element such that the connection between the first contact portion and the second contact portion is maintained.

12. A composite washer (700) according to any preceding claim wherein at least one of the top part (720) and the base part (740) comprises inner recesses in an inner surface being in contact with the elastic part (730).

13. A composite washer (700) according to any preceding claim wherein at least one of the top part (720) and the base part (740) comprises an outer surface which is perpendicular to the axis (A) and faces away from the elastic part (730) wherein the outer surface comprises outer recesses (727).

14. A system (900) for anchoring a post for a fence to a building construction, comprising a composite washer (100) according to any preceding claim.

15. A system (1100) for indicating safe lifting force comprising:

a composite washer (100) according to any of claims 1-13;

a lower lifting pin (1110) comprising a lower flat portion (1111) and a lifting portion (1112); and

an upper lifting pin (1120) comprising an upper flat portion (1121) and a carrier portion (1122), wherein the lifting portion is arranged for being lifted and the carrier portion is arranged for carrying a load,

wherein the washer (100) is arranged between the lifting portion and the carrier portion such that when the system is lifted and carries a load, the lower flat portion and the upper flat portion is arranged to compress the composite washer along the axis (A).