CLAIMS

1. A lead-through for cables, wire or pipes comprising a cylindrical seal (4) and an outer diameter extender (1, 12, 24, 28) to increase the diameter range of the cylindrical seal, **characterized** in that the cylindrical seal (4) comprises a cylindrical compressible body (5, 5a), a front fitting (6, 6a), a rear fitting (7, 7a), screws (11) and nuts (8, 8a), wherein the front fitting (6, 6a) and the rear fitting (7, 7a) are placed on opposite ends of the cylindrical compressible body (5, 5a), wherein the screws goes through openings of the cylindrical compressible body (5, 5a), the front fitting (6, 6a) and the rear fitting (7, 7a) and wherein the cylindrical compressible body (5, 5a) has a central through opening adapted for receiving a cable, wire or pipe, and the outer diameter extender (1, 12, 24, 28) is adapted to be mounted on an outer surface of the cylindrical seal (4), that the outer diameter extender (1, 12, 24, 28) comprises two parts, wherein each of the two parts has at least one protruding part and at least one recess (3, 21, 27, 31), whereby the at least one protruding part of one of the two parts of the outer diameter extender (1, 12, 24, 28) is to be received in the at least one recess (3, 21, 27, 31) of the other part of the outer diameter extender (1, 12, 24, 28).

2. The lead-through of claim 1, wherein a number of peelable sheets (9, 9a) are placed on an inside of the central through opening of the compressible body (5, 5a) of the cylindrical seal (4).

3. The lead-through of any of the previous claims, wherein the at least one protruding part and the at least one recess (3, 21, 27, 31) of the outer diameter extender (1, 12, 24, 28) are extended in circumferential direction.

4. The lead-through of any of the previous claims, wherein the outer diameter extender (24, 28) is formed of a number of peelable sheets (25, 29) placed on top of each other.

5. The lead-through of any of the previous claims, wherein one or more protruding parts of each part of the outer diameter extender (1, 24, 28) is a tongue (2, 26, 30).

6. The lead-through of any of the previous claims, wherein the outer diameter extender (1, 24, 28) is fastened to the cylindrical seal (4) by means of an adhesive.

7. The lead-through of any of the claims 1-3, wherein the outer diameter extender (12) comprises a cylindrical part (13) and a flange (14) at one end of the cylindrical part (13) and that the flange (14) is perpendicular to the cylindrical part (13) and is directed inwards towards a centre of the outer diameter extender (12), wherein

the flange (14) has a number of through openings (17) and wherein the flange (14) extends along a circumference of the cylindrical part (13).

8. The lead-through of claim 7, wherein a hinge part (15) is arranged on the cylindrical part (13) between the two parts of the outer diameter extender (10).

9. The lead-through of claim 8, wherein the hinge part (15) has a form of a weakening extending in axial direction along an entire cylindrical part (13).

10. The lead-through of claim 8 or 9, wherein the cylindrical part (13) has a through gap opposite the hinge part (15), by which a first axial edge (18) and a second axial edge (19) is formed in the cylindrical part (13) and wherein the at least one protruding part of each part of the outer diameter extender part (10) has a number of fingers (16) extending circumferentially from respective first axial edge (18) and second axial edge (19) of the cylindrical part (13).

11. The lead-through of claim 10, wherein the at least one recess (21) of each part of the outer diameter extender (10) is formed by a distance between adjacent fingers (16), whereby the fingers (16) of one of the parts of the outer diameter extender (10) are received between the fingers (16) of the other part of the outer diameter extender (10).

12. The lead-through of claim 10 or 11, wherein each part of the outer diameter extender (10) has three fingers (16) extending from the first axial edge (18) and the second axial edge (19), respectively.

13. The lead-through of any of the claims 10-12, wherein the flange (14) ends in level with the second axial edge (19) of the cylindrical part (13) of the outer diameter extender (12) and wherein the flange (14) ends in level with a free outer end of the fingers (16) of the first axial edge (18) of the outer diameter extender (12).

14. The lead-through of any of the claims 7-13, wherein the flange (14) of the outer diameter extender (12) is adapted to be placed between the front fitting (6) or the rear fitting (7) and the compressible body (5) of the cylindrical seal (4) at one end of the seal (4) and, wherein the screws (11) of the seal (4) is to be received in the openings (17) of the flange (14).