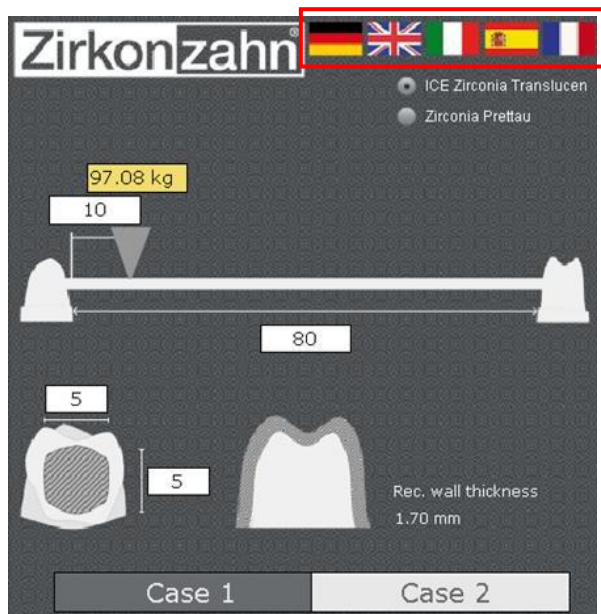


Instruction calculation tool



Please select your language by clicking on the corresponding flag on the top.

Using the calculation tool of Zirkonzahn helps you to prove easily:

- the resistance of the planned bridge,
- if the cross section of the connector is correct and
- which wall thickness is recommended for the die.

The calculation provides important information which can be passed to your dentist and patients.



Please decide which type of zirconia you will use top right and click on one of the cases below.



Case 1 simulates a free space between two dies.



Case 2 simulates two or more dies side by side which are followed by a self-supporting bridge.

CASE 1: Application



- 1) Fix the dimension area between the two dies in mm by filling in the number directly in field **a** or by holding one of the two **dies** with the left mouse button and by moving it until the appropriate distance.
- 2) Enter the distance in mm into field **b**, namely the distance from the first die until the point where the power affects (depending on the relative bridge construction).
- 3) Enter the cross section of the connector: into field **c** the width and into field **d** the height.

CASE 1: Interpretation

After all these steps there can occur three different cases: Field **e**, where the loading weight is calculated automatically when filled in all fields, is coloured **green**, **orange** or **red**.

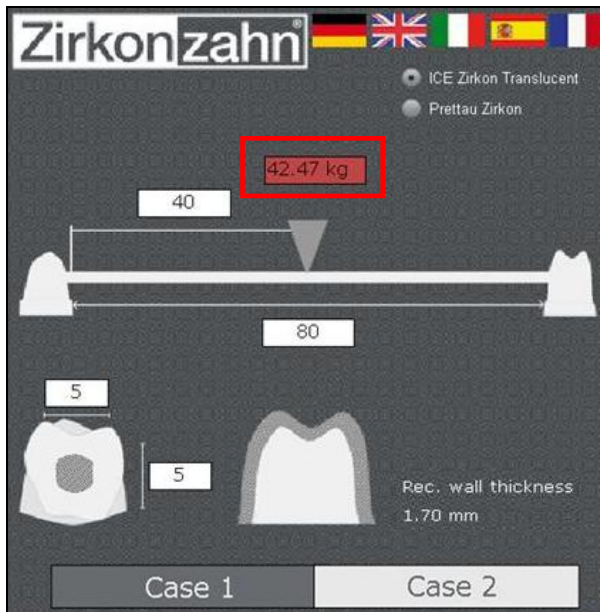
On the right-hand side below on the picture you can see the recommended wall thickness, which depends on the distance between the two dies.



Green: The bridge resists for sure. You can realise it.



Orange: The bridge may resist but it cannot be guaranteed. A modification of the cross section in field **c** and **d** is recommended.



Red: The bridge does not resist. A modification of the connector's cross section is necessary.