



Minimally invasive preparation

Minimally invasive cavity preparation

Special tasks require special instruments. D+Z has got them. Small working parts/instrument heads and long instrument necks offer a range of advantages. Beside a special diamond grit, a particularly high tensile steel was used, thus providing even these filigree instruments with high a resistance to breakage.

These special instruments are particularly recommended for the precise yet gentle preparation of cavities and cavity margins in case of fissure, cervical and proximal caries whilst preserving the sound tooth substance.

The long slim instrument necks ensure excellent vision on the preparation site.

The use of magnifying glasses or a microscope further improves safety during preparation.

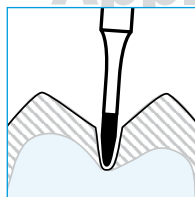
Be on the safe side – these specialised instruments are the optimal choice if you wish to ensure gentle and minimally invasive preparation.

Recommendations for use:

- Recommended speed: 160 000 rpm
- Use sufficient coolant (min. 50 ml/min)
- Apply low contact pressure in order to avoid instrument breakage (< 2N – 200g)



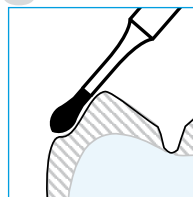
Applications



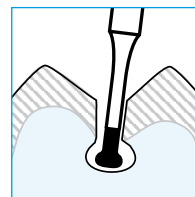
❶ For the preparation of fissure caries and for opening larger, deep defects, we recommend the use of instruments **889B**, **838B** and **830RB**.



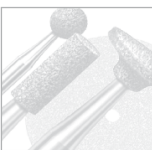
❷ Whenever the realization of an undercut is essential during preparation, the instruments **830B/953B** and **953AB** are the best choice. These instruments were especially designed for this purpose and are provided with a diamond-coated neck.



❸ Rounded preparation margins reduce tension between restoration and enamel/dentin. Thanks to its pear shape, the instrument **830B** is perfectly suited for this purpose.



❹ In case of undermining caries, the instruments **953B/953AB** permit the ampoule-shaped opening of cavities.





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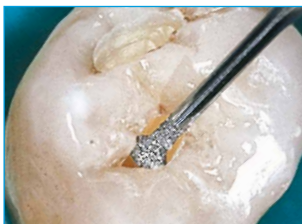
1 Initial situation:
Undermining fissure caries and proximal caries



2 Minimally invasive opening and detection of the size of the carious defect with instrument 889B.007



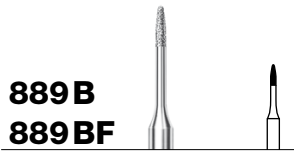
3 Excavation of minimally undermining fissure caries with the pear-shaped instrument 830RB.009



4 Optimal vision even in deep areas due to the extremely thin instrument necks permitting good flow of coolant. Preparation with instrument 953B.014



5 Aesthetic and anatomically perfect composite restoration



889 B
889 BF

| | | |
|-----|---|-----------------------|
| REF | ■ | 889 B |
| ISO | | 806.314....524... 007 |
| REF | ■ | 889 BF |
| ISO | | 806.314....514... 007 |



838 B
838 BF

| | | |
|-----|---|-----------------------|
| REF | ■ | 838 B |
| ISO | | 806.314....524... 007 |
| REF | ■ | 838 BF |
| ISO | | 806.314....514... 007 |



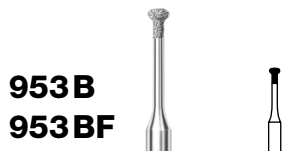
830 RB
830 RBF

| | | |
|-----|---|-----------------------|
| REF | ■ | 830 RB |
| ISO | | 806.314....524... 009 |
| REF | ■ | 830 RBF |
| ISO | | 806.314....514... 009 |



830 B
830 BF

| | | |
|-----|---|-----------------------|
| REF | ■ | 830 B |
| ISO | | 806.314....524... 012 |
| REF | ■ | 830 BF |
| ISO | | 806.314....514... 012 |



953 B
953 BF

| | | |
|-----|---|-----------------------|
| REF | ■ | 953 B |
| ISO | | 806.314....524... 014 |
| REF | ■ | 953 BF |
| ISO | | 806.314....514... 014 |



953 AB
953 ABF

| | | |
|-----|---|-----------------------|
| REF | ■ | 953 AB |
| ISO | | 806.314....524... 014 |
| REF | ■ | 953 ABF |
| ISO | | 806.314....514... 014 |

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