



DOCTOR BLADES

Teca-Print offers five different types of doctor blades for the open inkwell system. All doctor blades are high quality blades made of hardened spring steel band. Whenever choosing the blade type, one has to consider the type of clichés required as well as the machine type. The pad printing machine must be equipped with the proper blade holder.

The different types of doctor blades vary in height and thickness. The length of the blades is cut according to customer's demand. For the most standard cliché sizes within our machine range, we make available pre-cut, prepared and packaged blade sets for 1-, 2-, 4-, 5-, or 6-color blades.

The package contents are

- 5 pieces for 1-colour doctor blades
- 10 pieces for 2-colour doctor blades
- 20 pieces for 4-colour doctor blades
- 25 pieces for 5-colour doctor blades
- 30 pieces for 6-colour doctor blades

Special lengths can be cut as required.

Two different types of doctor blades are available for the smaller machines (all smaller pad printing machines up to machines with the number "2" as the beginning of their number type (e.g. TPE 150, TPE 250, TPX 200 etc.). Both blade types have a height of 19,0 mm and are varying in the thickness, which is 0,25 mm for the blades used with plastic plates and 0,5 mm for the blades used with steel plates. We recommend to use the doctor blades with a thickness of 0,25 mm when using thin steel plates.

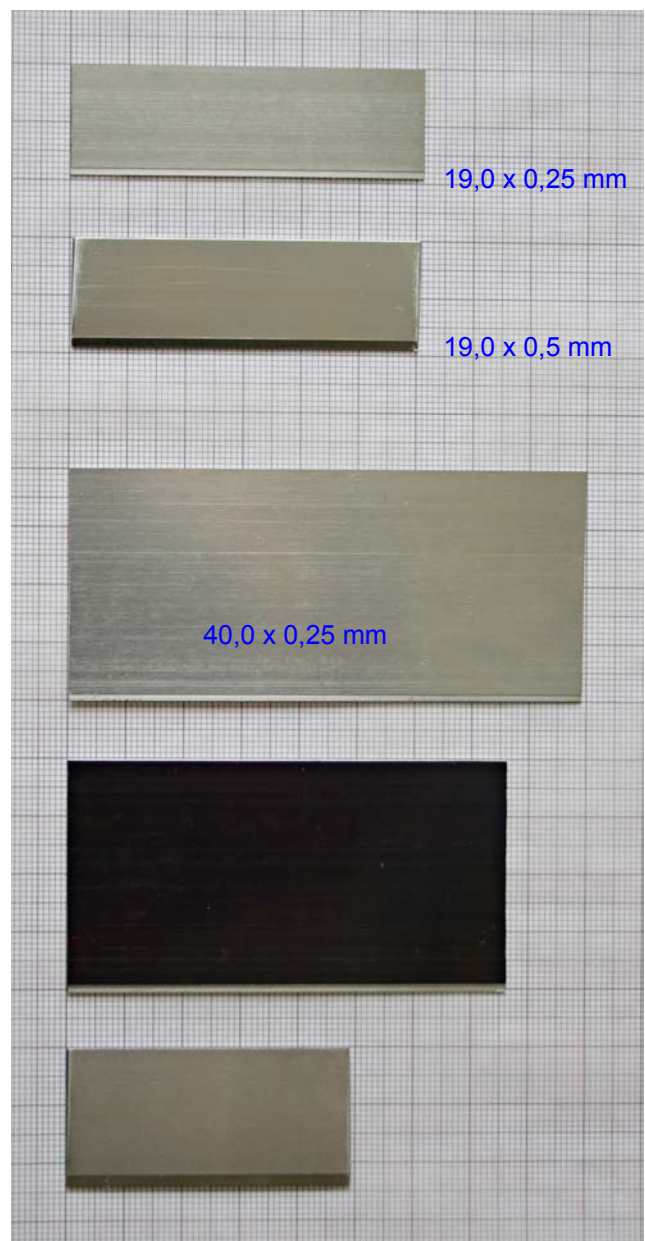
You choose between three different doctor blade types for the bigger sized machine types, i.e. machine types starting with a "3" or higher in its type name (e.g. TPX 300, TPX 350, TPX 550 etc.).

The doctor blade with a height of 40,0 mm and 0,25 mm thickness is available when using plastic plates.

We recommend our doctor blade with a height of 40,0 mm and a thickness of 0,38 mm, if thin steel plates are used. This blade type also can be used in connection with thick steel plates, if the steel plates are screened or have a small printing image.

The doctor blade with a height of 23,7 mm and a thickness of 0,7 mm should be used when working with thick steel plates which are unscreened or have big sized printing image.

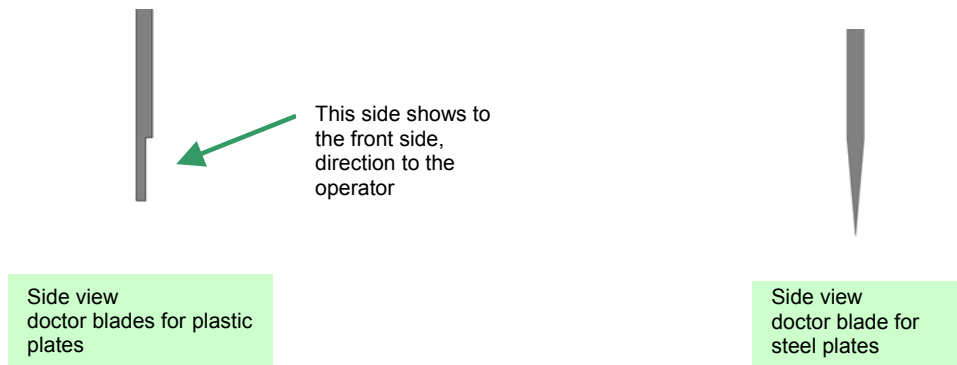
Doctor blade types



Please always use the blade holder suitable to the type of doctor blades and to the machine type. Please find the corresponding article numbers of the blade holders in the instruction sheet of the pad printing machine.

The doctor blade edge for plastic and thick steel plates is different, as shown in the following illustrations.

The blades for plastic plates are not symmetric. Please pay attention that the blades are mounted in the correct direction into the blade holder.



Important: The blade edges are very sharp. You will get injured, especially when touching the edges of either of the blade types for steel plates.

Tips for storage and care of our doctor blades:

- The doctor blades are cut at Teca-Print to the requested size and packed corresponding to their size. The blades only should be taken out of the package directly before using them, as the blades are oiled. Storing them in the original package is the best care.
- Before using a new doctor blade, the blade edge must be deburred. We recommend using our polishing cloth with the part number 99 01 11.
- Blades also are subject to a shelf-life and therefore should not remain in stock for several years. In general, blades have to be stored in a dry place. We recommend oiling the blade before storing it, if the blade is not inside the original package and will not be used for a longer time.