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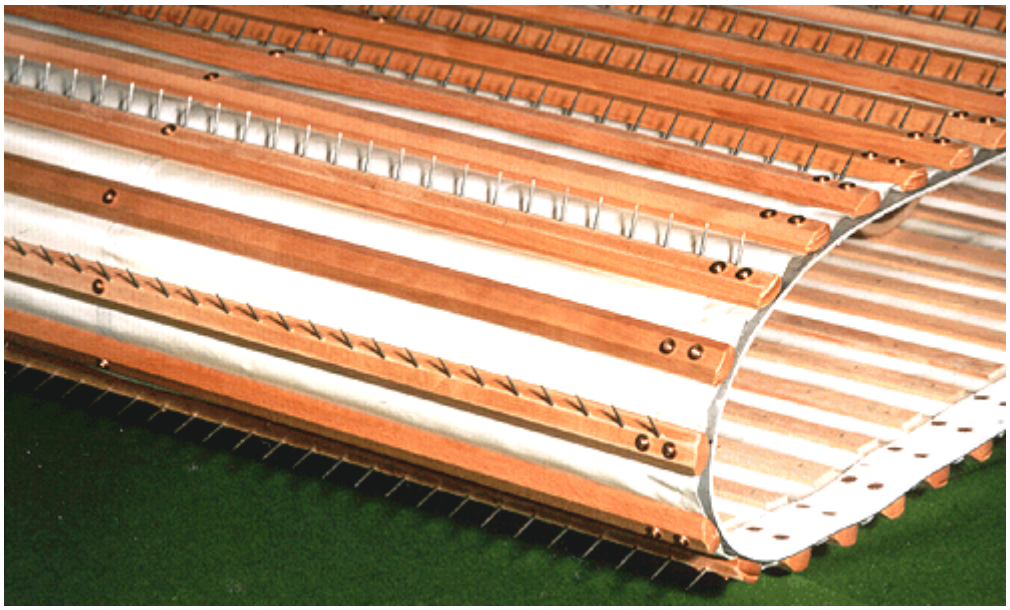
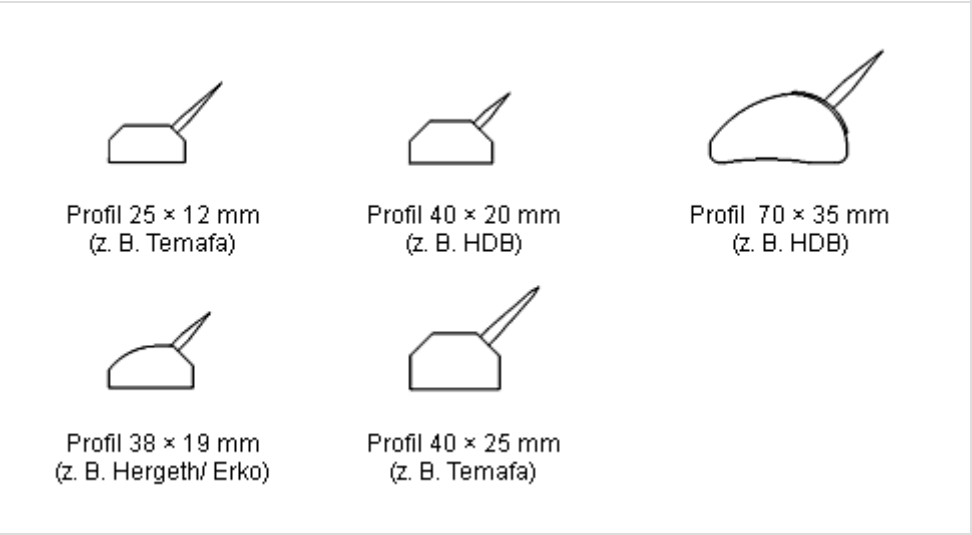
Machine Ref: A1-GEK107
Description: Spiked Lattice Standard
Manufacturer: German

Spiked Lattice Standard



Our standard spiked lattices consist of beech or laminated beech laths which are screwed or riveted on belts. This construction method allows for infinite variety so that the appropriate spiked lattice can be constructed for each machine.

Lath



Under normal conditions, beech laths are adequately stable. Massive laminated laths should be chosen if the work load is heavier. The spiked lath profile depends upon the chosen pins.

Fastening

Most belts are riveted for cost reasons. 4 mm copper rivets and washers are used. If heavier work loads are expected or laths with larger cross-sections are used, then the laths should be screwed. We stock adequate numbers of M5, M6 and M8 screws and nuts.

Pins

Apart from the standard pin dimensions given in our list, we stock many other pins allowing almost all individual needs to catered for. We advice choosing galvanized pins when sending spiked lattices overseas or when the lattice pins could be subjected to possible rusting. Galvanized pins are supplied with standardized galvanization only because these have proved to be highly durable.

Fabric support

It is generally advisable to use a fabric support to keep the belt interior as clean as possible. The fabric is fastened to the underside of the laths using cover strips to stop material building up between the lath and fabric.

Belts

Polychrome belts have proved themselves over decades. This is a polyamide tension belt in leather to ensure friction and give enough material for fastening. These belts have the advantage of having high tensile strength when taut so that they undergo very little stretch when the load is increased. This belt, however, is only suitable for dry operation.

For damp and wet operation, a PVC coated polyester web belt should be chosen such as the Transilon belts from Siegling. We also stock chains for diverse machines.

Endless connection

Endless belt bonding is optimal in terms of durability. Because belt installation is sometimes difficult, the belt can also be supplied unconnected with fastening hooks or a screwed overlapping connection. A hook connection makes installation very easy but is subject to wear which normally makes on overlapping connection the better choice. The countersunk screws are squared so that they cannot be turned. Lock-nuts, cap nuts or special nuts are used. The latter give a smooth lath surface.