
Tools for pressing — Heel guidings in large stamping and forming dies

Outils de presse — Plaques de frottement latérales pour grands outils d'emboutissage et de formage

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This document was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

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Introduction

This document was developed on basis of Guideline VDI 3387 “Sliding elements in large stamping die”.

Heel guidings are used in medium and large stamping and forming dies for guiding the upper die towards the lower die.

The heel guidings offer a simple and affordable guidance system which is widely used in medium and large stamping and forming dies made from casting and steel plate in complement of round guiding pillars and bushes.

Heel guidings are designed to guide the upper and lower die to facilitate tool set-up and try out and to retain the clearance (bending or drawing gap) during the service life.

Unlike round guides, guiding plates can also absorb lateral shear forces, see also [Figure 1](#).

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