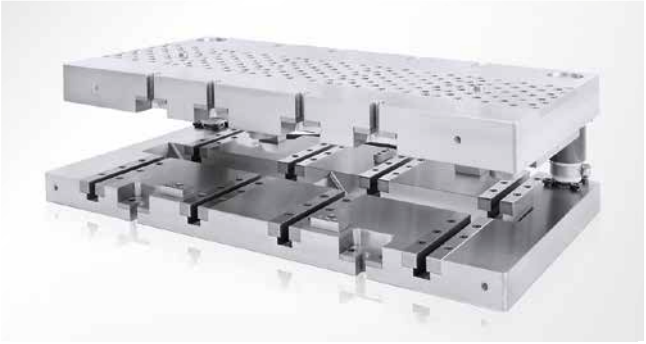
Standardised module systems

General

The modular tool system from STEINEL consists of a machine-specific basic structure, a tool-specific adapter plate and standardised tool modules.

The machine-specific basic structure



The basic structure is optimally designed for the production facility and the maximum bandwidth, and it includes:

- rear standing guides
- Pre-loaded spring packs for the creation of blank holder forces in 50 mm grid
- Positioning and mounting points for the adapter plate
- Hold points for the standardised tool modules

The tool-specific adapter plate

The adapter plate is installed on the lower plate and provides the positioning and mounting points for the individual tool modules. Additional tool-specific mechanisms and functions may also be implemented, for example:

- Band inlet
- Feed control
- Chopping station
- Specific waste material and part contours

The standardised tool modules

The quickly changeable tool modules are available in two widths and six lengths. They include completely machined plates for the fixture of:

- Guide units
- Pressure springs
- Distance collars
- Screws
- etc.

In addition, complete modules as well as spare parts and assembly groups can also be purchased.

All that remains to be done is to complete the inductions for the installation of the active elements at the standardised tool modules. Upon request, STEINEL will also complete this step for you.

Tool modules

The tool modules are available from stock in two widths (200 and 250 mm) and six lengths (100 to 350 mm). Depending on their size, the modules are equipped with two or four ball guides.

The following applies to all tool modules

- mechanical protection against torsion
- optical protection against torsion via chamfer 5 x 45° over the overall height of the plates, chamfer right rear
- maximum press stroke 45 mm
- corresponds to the standardised guide stroke (6 mm) at the time of delivery

Modules guided with two pillars are pre-equipped with four receiving points for the blank holder forces, while modules guided with four pillars have eight. The force application always takes place via the guide pillars, as well as the thrust pieces that are installed in an equal number. For additional receiving points, STEINEL will deliver six thrust bolts for each module.

STEP data is available for the processing of the modules.

Max. bandwidth	Width	Height (UT)	Guides	Blank holder force receiving points		Length
				Middle mount shoulder pillars	Spacers	
65	200	120		2	2	100
						150
				4	4	200
						250
						300
						350
115	250	120		2	2	100
						150
				4	4	200
						250
						300
						350