



## Program summary

# Die clamping and changing systems

Hydraulic clamping elements



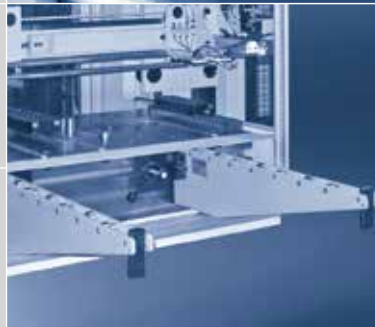
Electro-mechanical clamping elements

Mechanical clamping elements



Magnetic clamping technology

Changing technology







Hydraulic power units



## Program summary Die clamping and changing systems

Product group 2	
Hydraulic clamping elements stationary	
	
Clamping block sliding clamps	Wedge swing clamps
	
Clamping block angular clamps	Extending clamps
	
Clamping bars	Hollow piston cylinders
	
Double-T clamping bars	Spring clamping cylinders
	
Swing sink clamps for exterior clamping	Wedge clamps for tapered clamping edge
	
Swivel and pull clamps	Wedge clamps for flat clamping edge
	
Pivot and pull clamps	

Product group 3
Hydraulic clamping elements adjustable

Sliding clamps

Angular clamps

Hollow piston cylinders

Rapid clamping systems electrically or pneumatically adjustable

Product group 4

Hydraulic clamping elements  
*integrated*



Swing sink clamps



Swing clamps



Pull clamps



Pull clamps with T-slot



Built-in pistons



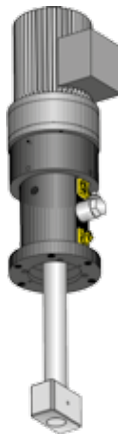
Grip rail couplings

Product group 5

Electro-mechanical clamping elements



Swivel and pull clamps



Swing clamps



Electric wedge clamps

Product group 6

Mechanical clamping elements



Sliding clamps  
with integral high-pressure spindle



Clamping nuts, mechanical  
without clamping force display



Clamping nuts, mechanical  
with clamping force display



Clamping nuts, hydro-mechanical  
with clamping force display



Product group 7

**Hydraulic power units**



Series D 8.0115  
3.5 l/min, 500 bar



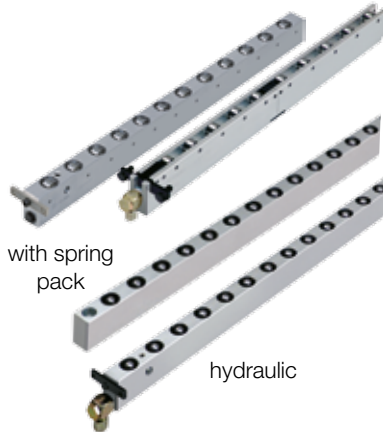
Power units in modular design  
0,9 to 12 l/min, 30 to 500 bar



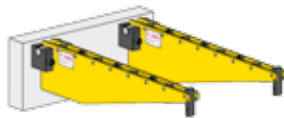
as per customer's request

Product group 8

**Changing technology**



Roller and ball bars or inserts



Carrying consoles, hanging



Carrying consoles, supported



Carrying consoles, driven



Die changing carts

Römheld Rivi

**Magnetic clamping technology**



Magnetic clamping systems M-TECS 80  
for sheet metal forming  
temperatures up to 80 °C



Magnetic clamping systems M-TECS 120  
for injection moulding machines  
temperatures up to 120 °C



Magnetic clamping systems M-TECS 240  
for the rubber and Duroplast industry  
temperatures up to 240 °C

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5-stage drop forge equipped with wedge clamps and directional control poppet valves to control the individual stages



Clamping bars installed in press bed and ram. Easy feeding of dies by die change consoles and roller bars installed in the T-slots of the press bed.



Swing sink clamps in a double-column press (tie rod extended in swing position)



Swing clamps in the press ram. Die change position; ram in upper position, swing clamp extended



Electrical rapid clamping system with push chain fixed to the press ram of a double-column press



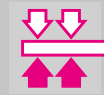
Sliding clamp with T-slot adapter in press bed and ram, roller bars and carrying consoles for tool insertion



Roller bars with hydraulic lifting integrated in a press bed



Die changing system adapted to the press



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**Magnetic clamping systems**



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