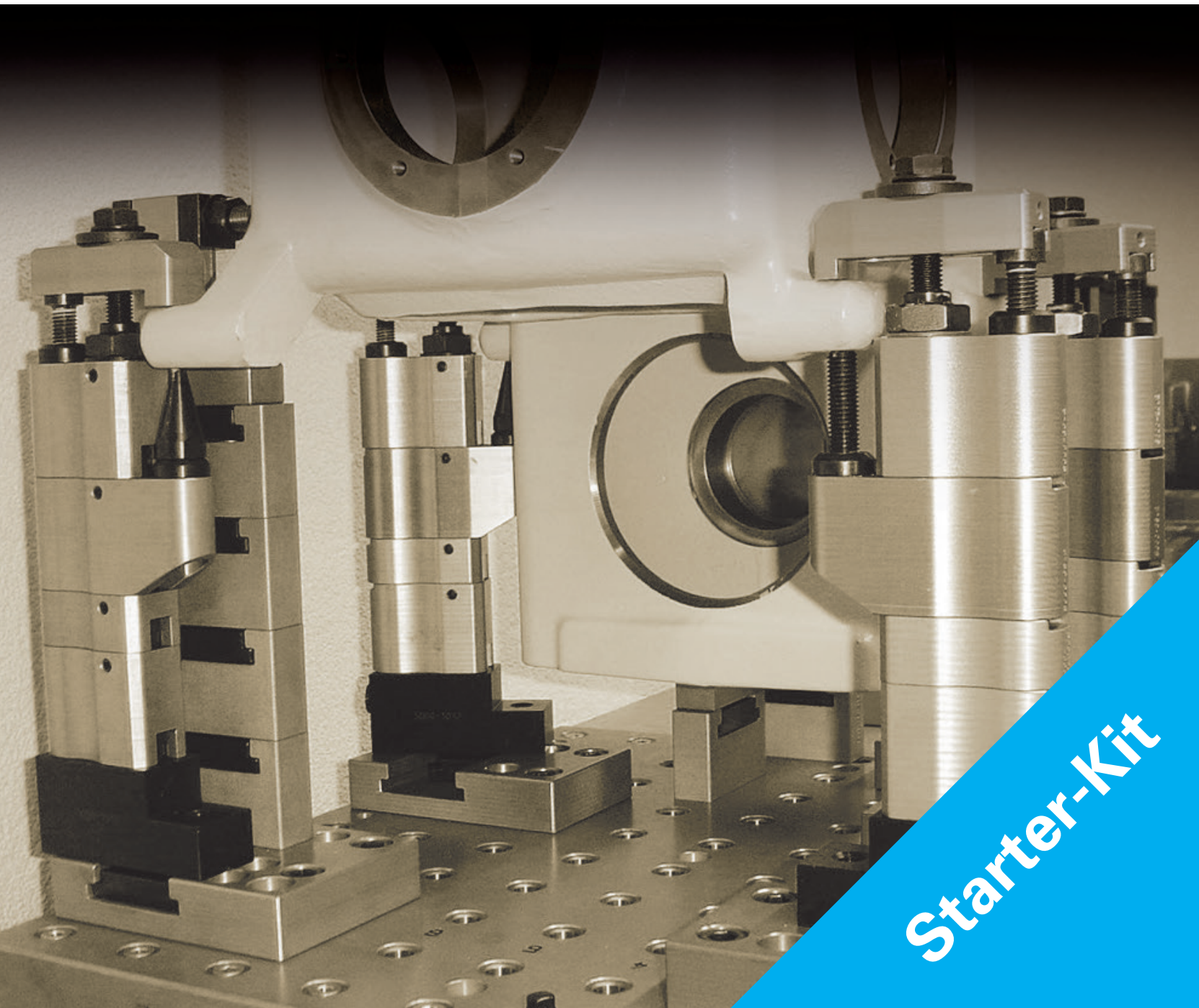


K5000

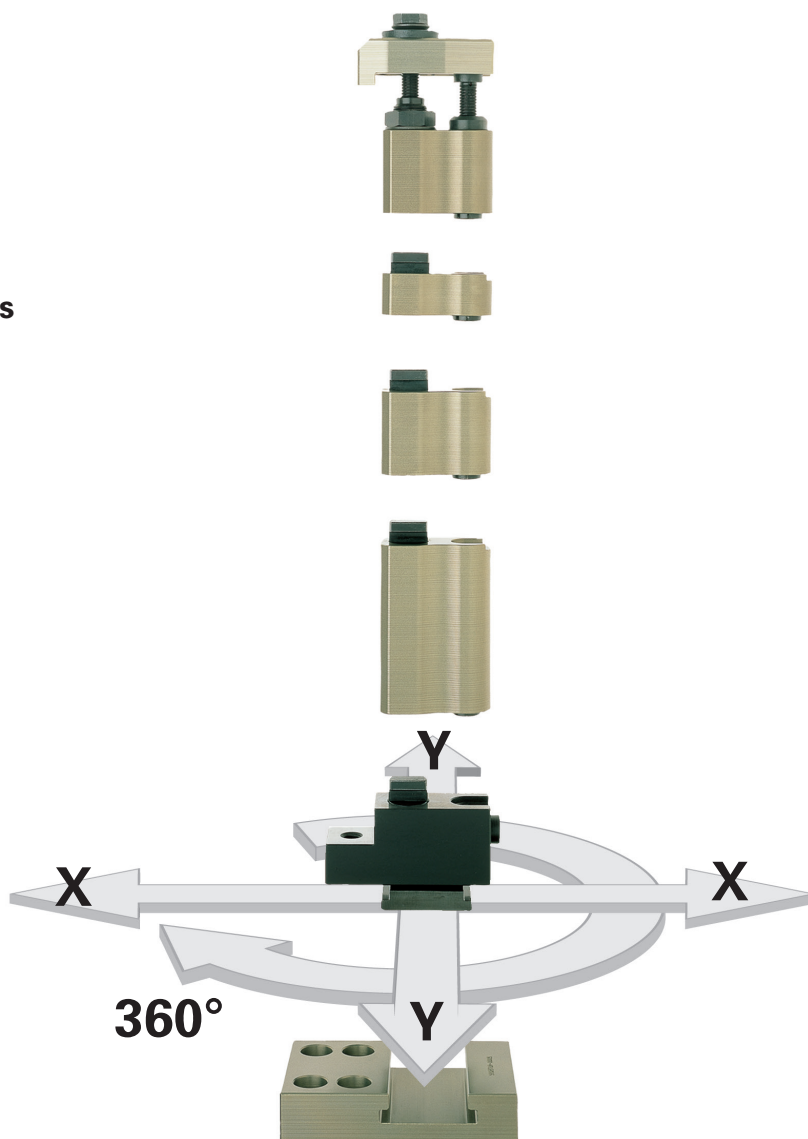
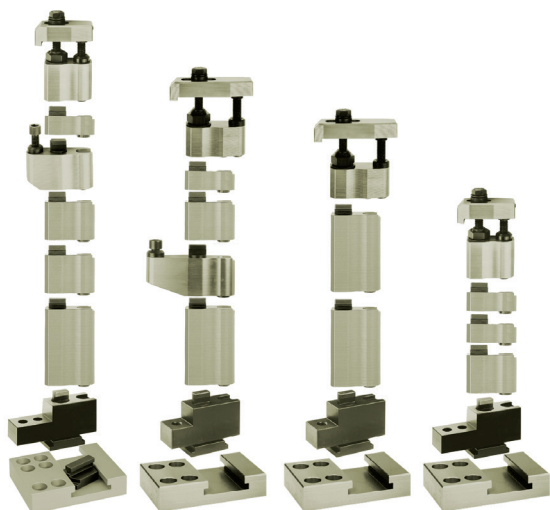
Modular clamping system



Starter-Kit

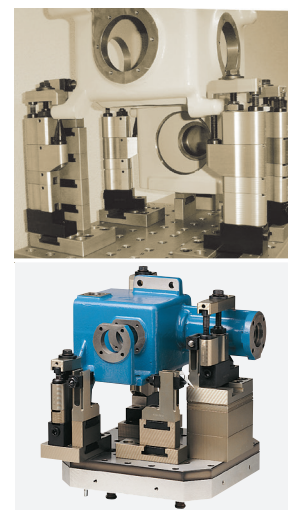
Starter-Kit

- Entire machining without reclamping
- Continuously adjustable on X and Y (patented)
- 360° rotation
- For hole matrices and T slot tables/pallets (also on **vb DOCKLOCK** clamping system)
- Replaces all special fixtures

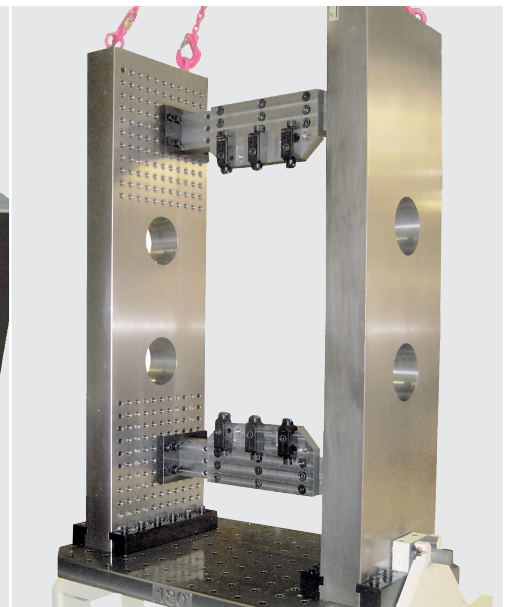
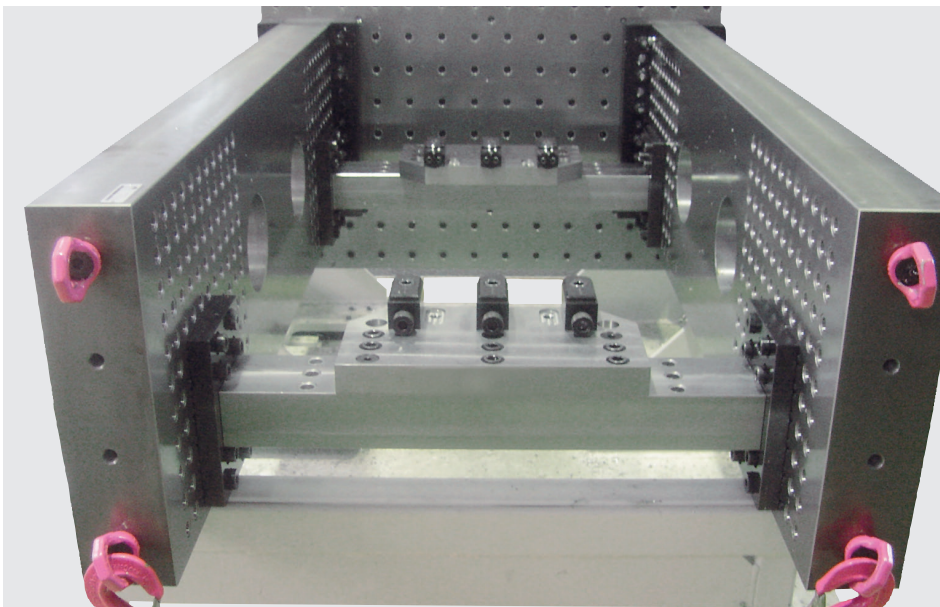
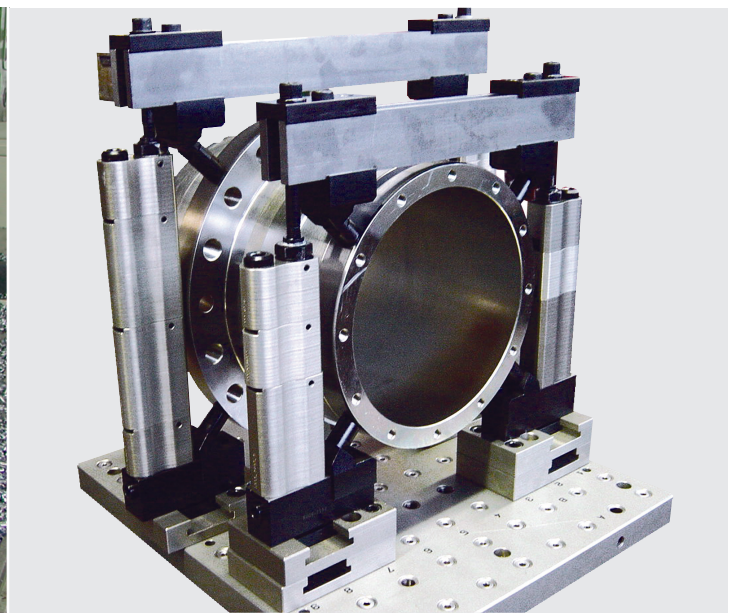
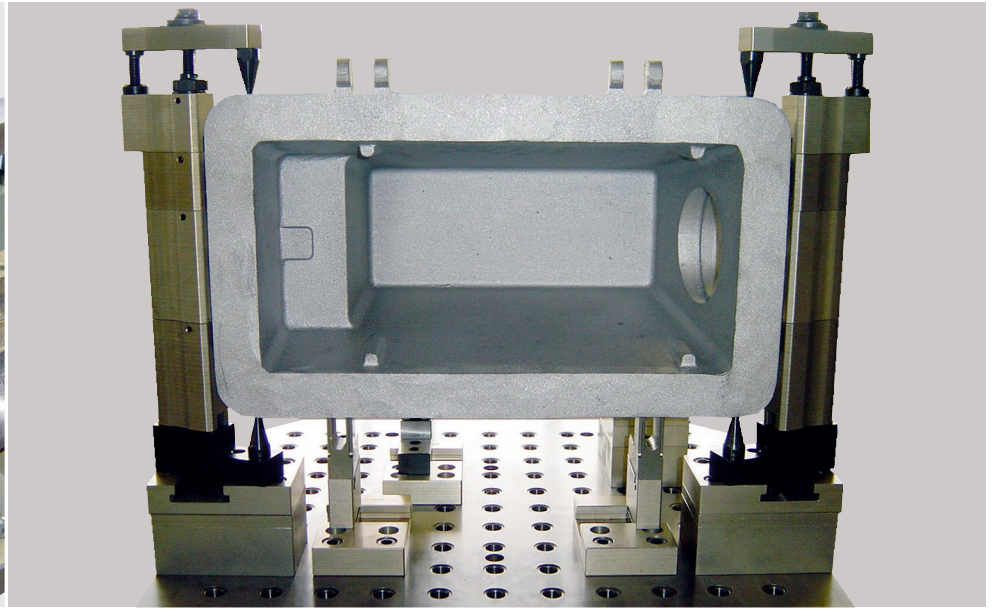
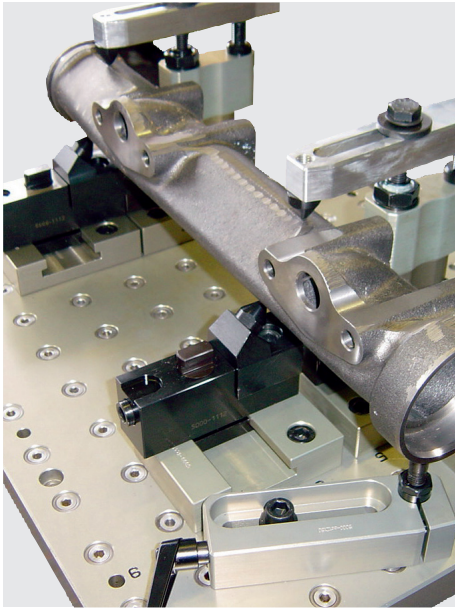


Entire machining without reclamping

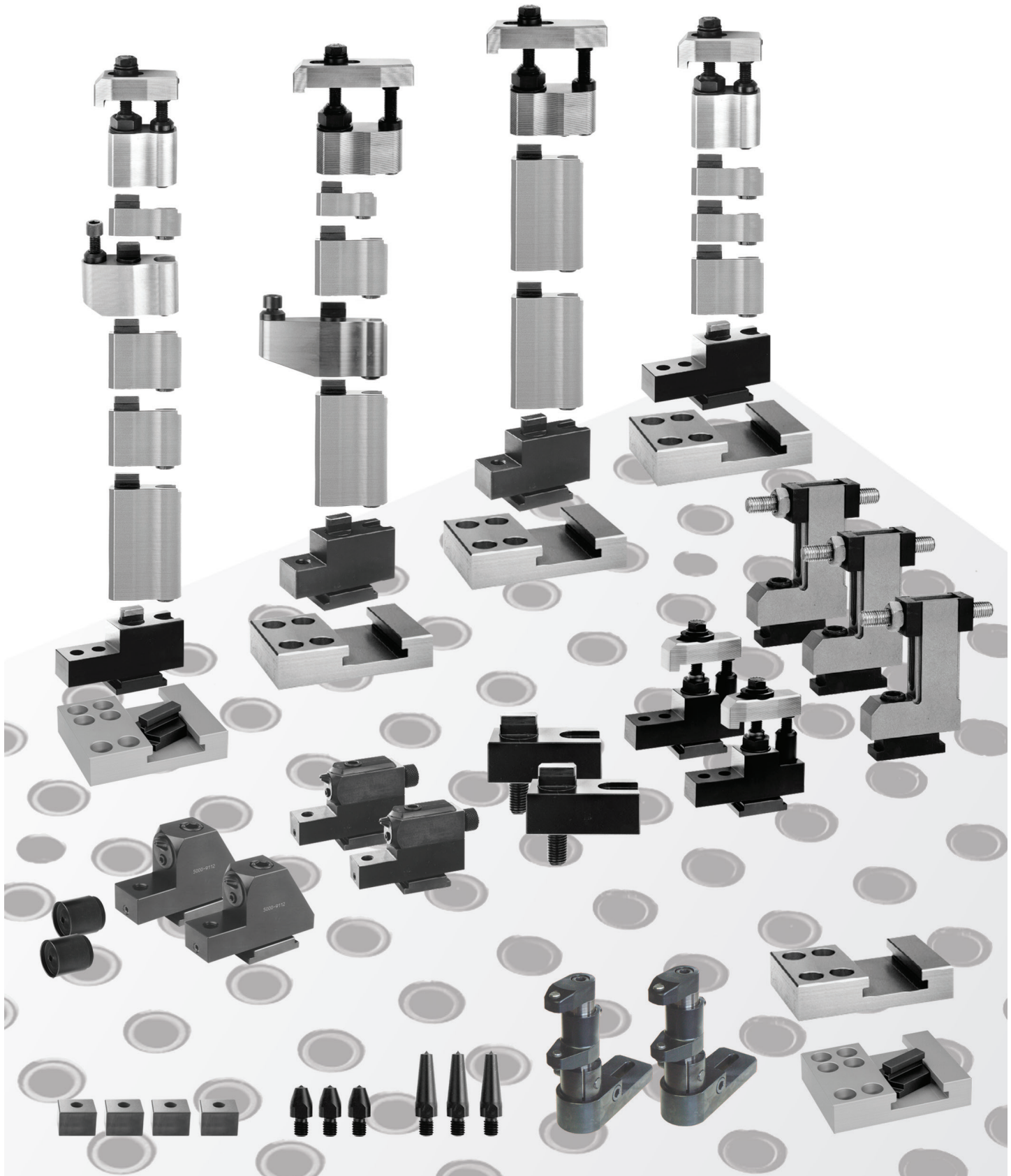
- Whenever great flexibility is essential
- For all fixture makers who place stringent demands on clamping systems.
- Highly suitable for 0 series, before the final special device is made.
- Ideal addition to the K5001 range (clamping between columns) entire machining without reclamping.
- Suitable for single workpieces and large series, also for multiple clamping; manual or hydraulic versions.

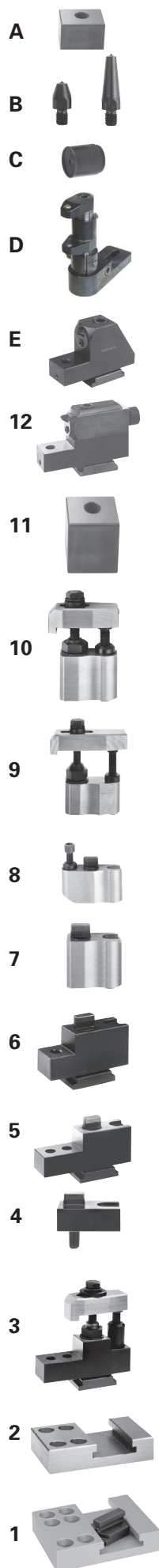


Examples of applications



Infinite range of variations



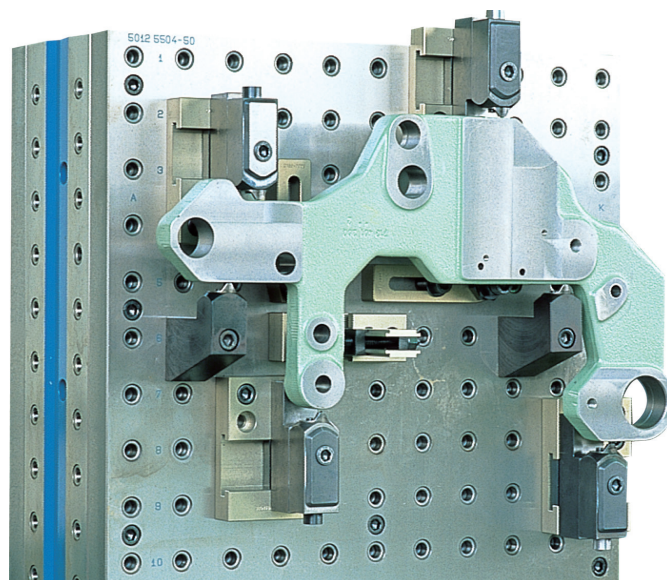
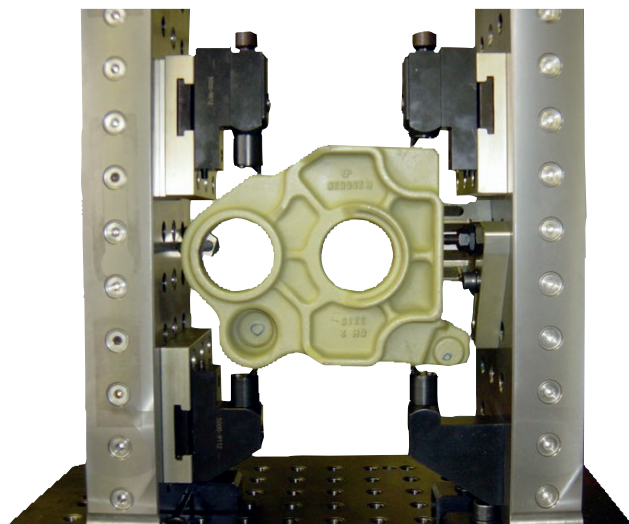


Part no.				Grid
5000-VB-SET M12 (Starter-Kit)				40/M12
Contents:				
Mounted parts				
12	5000-9012	Side clamp	2 pc.	
11	5000-7012	End stop, adjustable	3 Pc.	
10	5000-2012	Clamping unit, Form A	2 Pc.	
9	5000-2512	Clamping unit, extended Form A	2 Pc.	
8	5000-3512 (L97 mm)	Intermediate supports	1 Pc.	
8	5000-3612 (L144 mm)	Intermediate supports	1 Pc.	
7	5000-3012025 (H25 mm)	Height blocks	4 Pc.	
7	5000-3012050 (H50 mm)	Height blocks	4 Pc.	
7	5000-3012100 (H100 mm)	Height blocks	4 Pc.	
6	5000-1012	Base elements modular adjustable on X and Y through 50 mm	2 Pc.	
5	5000-1112	Base element modular, long adjustable on X and Y through 50 mm	2 Pc.	
4	5000-1712025	Basiselement	2 Pc.	
3	5000-0112	Clamp element mono long adjustable on X and Y through 50 mm	2 Pc.	
2	5000-4012075	Base plates	4 Pc.	
1	5000-4212	Base plates with T slot block, rotating, through 360°	2 Pc.	
Accessories				
A	5000-8012	soft supports	4 Pc.	
B	5000-8512125	clamping points, short	3 Pc. each	
B	5000-8812125	clamping points, long	3 Pc. each	
C	5000-9012028	extension for side clamp	2 Pc.	
D	5000-2712030	compensating clamp	2 Pc.	
E	5000-9112	adjustable support	2 Pc.	

Part no.				Grid
5000-VB-SET M16 (Starter-Kit)				50/M16
Contents:				
Mounted parts				
12	5000-9016	Side clamp	2 Pc.	
11	5000-7016	End stop, adjustable	3 Pc.	
10	5000-2016	Clamping unit, Form A	2 Pc.	
9	5000-2516	Clamping unit, extended Form A	2 Pc.	
8	5000-3516 (L119 mm)	Intermediate supports	1 Pc.	
8	5000-3616 (L144 mm)	Intermediate supports	1 Pc.	
7	5000-3016025 (H25 mm)	Height blocks	4 Pc.	
7	5000-3016050 (H50 mm)	Height blocks	4 Pc.	
7	5000-3016100 (H100 mm)	Height blocks	4 Pc.	
6	5000-1016	Base element modular, adjustable on X and Y through 50 mm	2 Pc.	
5	5000-1116	Base element modular, long adjustable on X and Y through 50 mm	2 Pc.	
4	5000-1716030	Base element	2 Pc.	
3	5000-0116	Clamp element mono long adjustable on X and Y through 50 mm	2 Pc.	
2	5000-4016095	Base plates	4 Pc.	
1	5000-4216	Base plates with T slot block, rotating through 360°	2 Pc.	
Accessories				
A	5000-8016	soft supports	4 Pc.	
B	5000-8516125	clamping points, short	3 Pc. each	
B	5000-8816125	clamping points, long	3 Pc. each	
C	5000-9016036	extension for side clamp	2 Pc.	
D	5000-2716050	compensating clamp	2 Pc.	
E	5000-9116	adjustable support	2 Pc.	

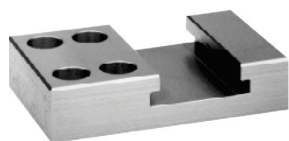
Side clamp Set

- Continuously adjustable in grid (X-Y)
- Form fit clamping
- Max. clamping force 25 KN

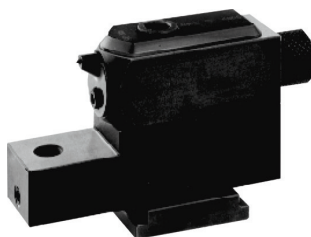


Part no.			Grid
5000-9012 Set M12			40 / M12
Contents:			
5000-4012075	Base plate	4 Pc.	
5000-9112	Support	2 Pc.	
5000-9012	Side clamp	2 Pc.	

Part no.	Grid	
5000-9016 Set M12	50 / M16	
Contents:		
5000-4016095	Base plate	4 Pc.
5000-9116	Support	2 Pc.
5000-9016	Side clamp	2 Pc.



Base plate



Side clamp



Support

Compensating clamp

Material:

All components made of steel.

Version:

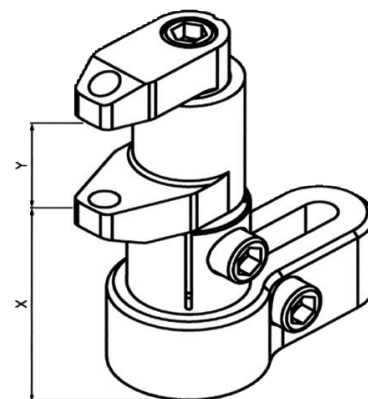
Hardened and burnished.

Notes:

Workpieces can be clamped without tension on 3 support points. If additional clamping points are needed, they must be tightened to zero warp with a dial gauge to ensure that there are no strains in the workpiece.

The compensating clamp is loose on the vertical axis. The workpiece can be clamped and the compensating clamp is self-adjusting. The vertical axis is then secured.

Note: the compensating clamp only absorbs some lateral pressure

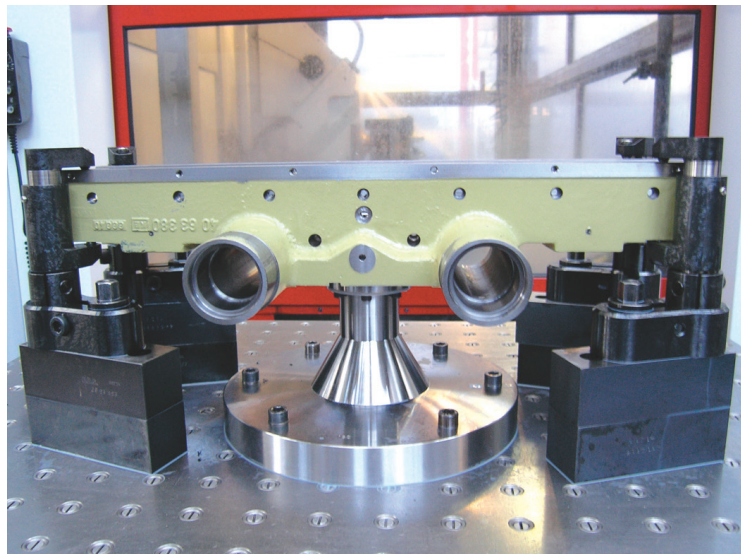
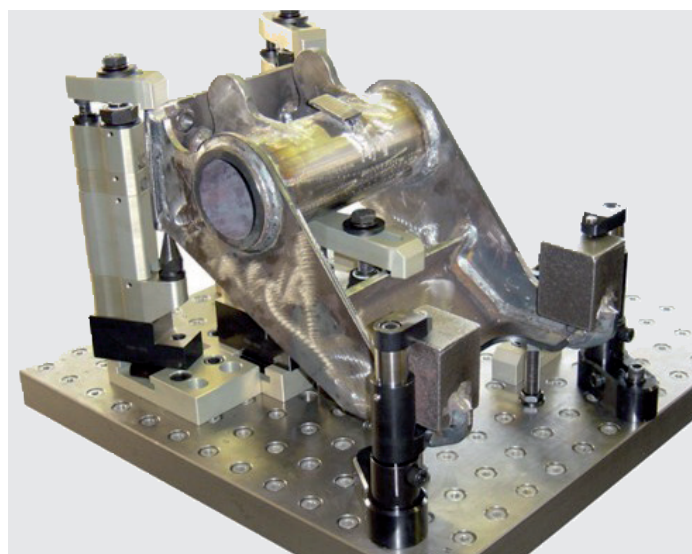


Part no.	Thread	Designation	Y	X
5000-2712030	M12	Clamping range 30-45	30-45	86-95
5000-2712040	M12	Clamping range 40-65	40-65	86-95
5000-2712060	M12	Clamping range 60-85	60-85	86-95
5000-2716050	M16	Clamping range 50-70	50-70	115-124
5000-2716070	M16	Clamping range 70-100	70-100	115-124
5000-2716100	M16	Clamping range 100-130	100-130	115-124

Height-raising Set



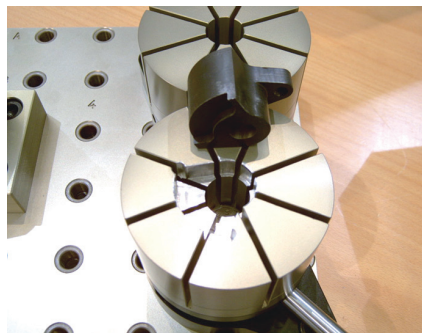
Part no.	Thread	Designation
5000-271200	M12	Height incr. 20, 40, 80 mm
5000-271600	M16	Height incr. 20, 40, 80 mm



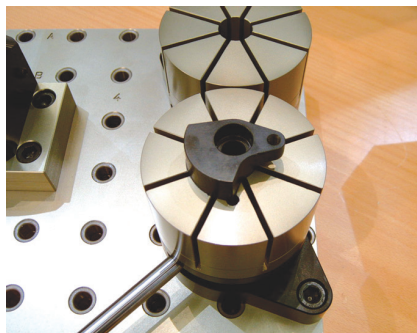
Compensating clamp, no workpiece distortion at the "4th clamping point"

External collet Set

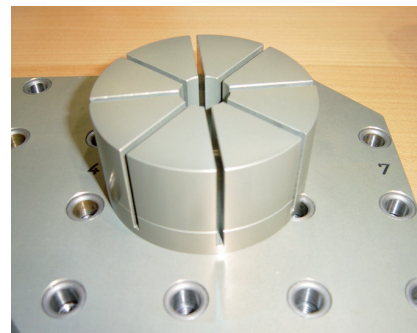
External collet Ø 99 mm (Ø 149)



Milled workpiece profile



Positive clamping

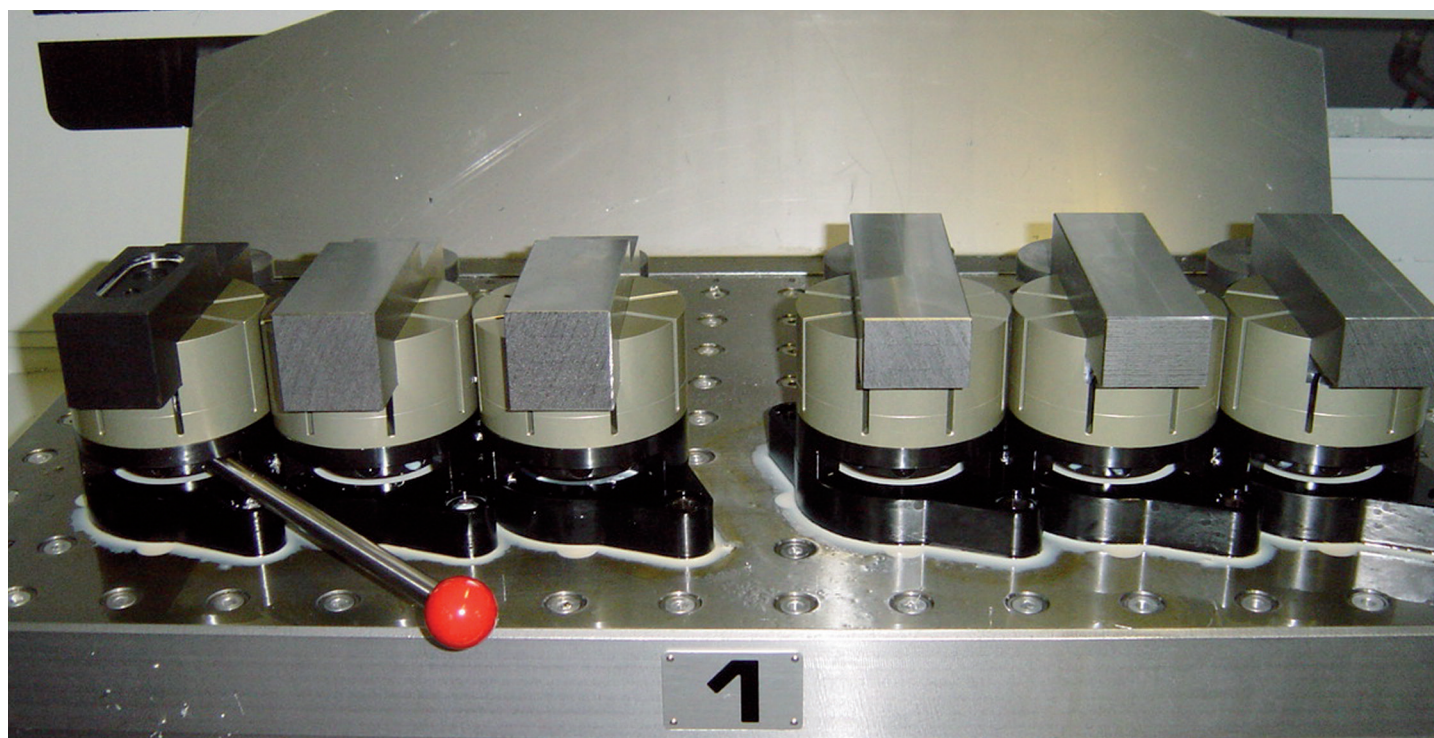


Replacement collet

Part no.	Grid
5000-7712410 Set	40 / M12
Contents:	
5000-7712410	Outer collet unit Ø 99 mm 1 pc.
5000-7712105	Outer collet 1 pc.

Part no.	Grid
5000-7712510 Set	50 / M16
Contents:	
5000-7712510	Outer collet unit Ø 99 mm 1 pc.
5000-7712105	Outer collet 1 pc.

Other sizes (grids) and versions for automation (mechanical / hydraulic for simple or multiple clamping up to 130 mm) on request.



changes reserved

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03.2019