

PJC

Pendulum Jaws for Quick Jaw Change Chucks

ECONOMICAL

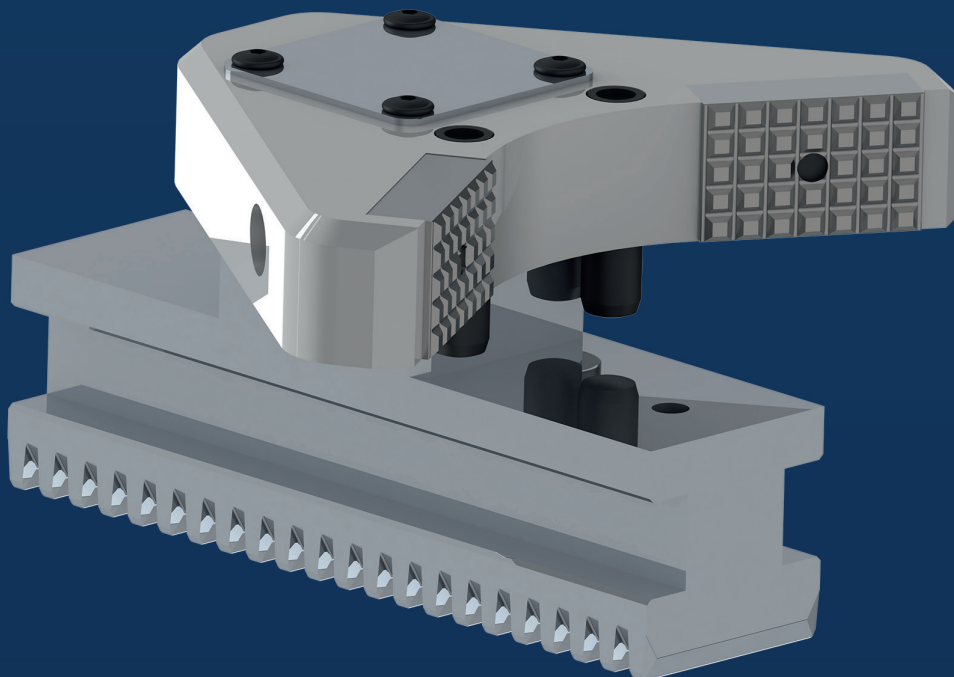
- Rapid changing times
- Large clamping diameters
- Cost-efficient solution
- Available from stock

PRECISE

- Constant high quality due to highest accuracy

LOW MAINTENANCE

- Sealed: protected against the penetration of dust and dirt



PJC Modular Design

Protection cover against the penetration of dust and swarf

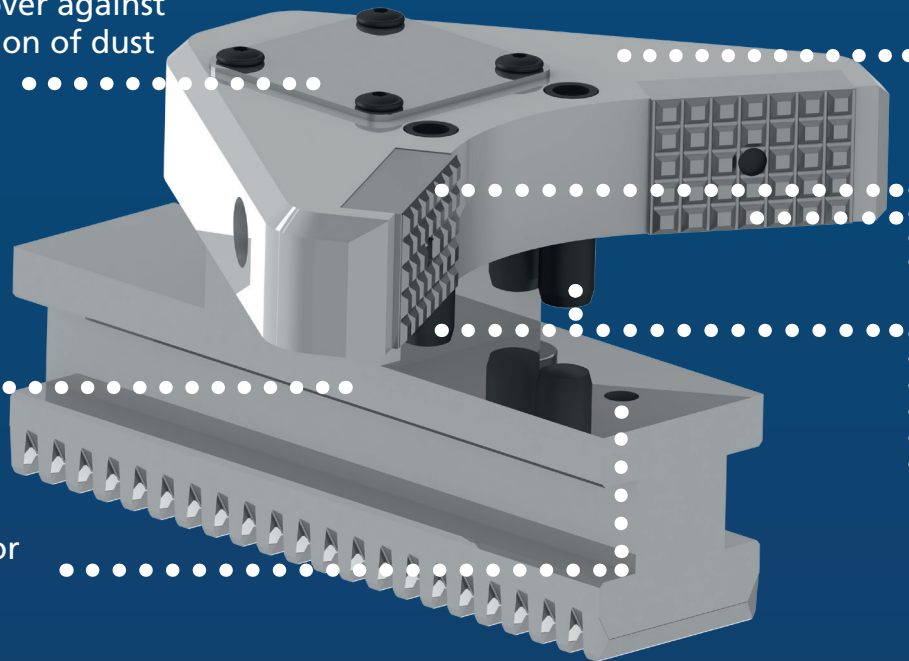
Base jaw hardened

Thread M6 for stop pins

Parts can be combined in various configurations for different clamping diameters (see table)

Clamping inserts (hard or soft to be bored on the chuck for OP 20)

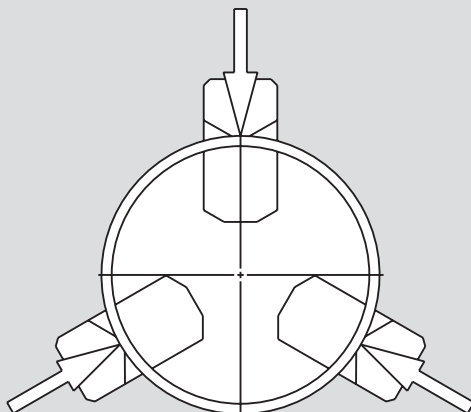
Pins to clamp a boring ring to bore the pendulum jaw soft clamping inserts



- ▶ For thin walled or deformation sensitive components
- ▶ Cost-efficient solution
- ▶ Short set up times: from 3-point to 6-point clamping
- ▶ Modular design: all parts interchangeable

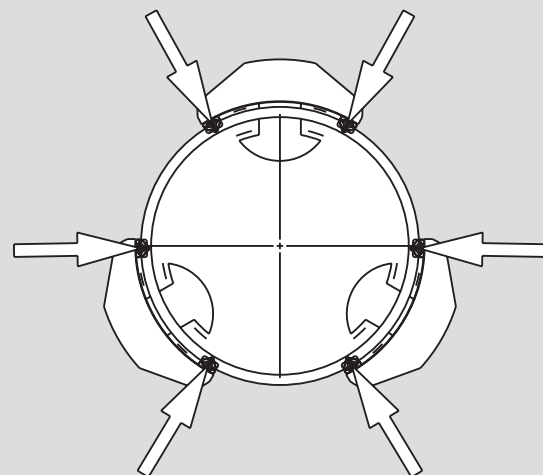
Example: Deformation of the workpiece at 3-point and 6-point clamping

Workpiece: Pipe section, 30mm length, Outside diameter 100mm, Inside diameter 90mm
Material: 16MnCr5
Clamping force: 50 kN



3-point clamping

Deformation 1,097



6-point clamping

Deformation 0,063

Improvement of factor 17

SMW-AUTOBLOK Type	Size	Clamping range	Pendulum jaw cpl.	Pendulum jaw cpl.	Base jaw cpl.	Pendulum segment cpl.	Clamping insert hard cpl. *	Clamping insert soft cpl. *
		mm	Id. No. for 1 set = 3 pieces	Id. No. for 1 piece	Id. No. for 1 piece	Id. No. for 1 piece	Id. No. for 1 piece	Id. No. for 1 piece
KNCS-N	210	50 - 90	5306638	5306271	5306368	5306370	5306373	5306374
		85 - 140	5306639	5306272	5306369	5306371	5305807	5306421
		135 - 170	5306640	5306273	5306969	5306372	5305807	5306421
KNCS-N	225	50 - 90	5306638	5306271	5306368	5306370	5306373	5306374
		85 - 155	5306639	5306272	5306369	5306371	5305807	5306421
		120 - 175	5306640	5306273	5306969	5306372	5305807	5306421
KNCS-N	260	60 - 100	5306641	5302901	5305802	5305803	5305804	5306420
		95 - 140	5306642	5302902	5305802	5305806	5305807	5306421
		135 - 170	5306643	5302903	5305808	5305809	5305807	5306421
KNCS-N	275	65 - 115	5306641	5302901	5305802	5305803	5305804	5306420
		100 - 155	5306642	5302902	5305802	5305806	5305807	5306421
		140 - 185	5306643	5302903	5305808	5305809	5305807	5306421
KNCS-N	325	75 - 115	5306644	5303962	5305810	5305811	5305804	5306420
		100 - 160	5306645	5303963	5305810	5305813	5305807	5306421
		145 - 215	5306646	5303964	5305815	5305816	5305807	5306421
		180 - 248	5306647	5303970	5305815	5305817	5305807	5306421
HG-N	210	50 - 90	5306638	5306271	5306368	5306370	5306373	5306374
		85 - 135	5306639	5306272	5306369	5306371	5305807	5306421
		128 - 160	5306640	5306273	5306969	5306372	5305807	5306421
HG-N	260	60 - 100	5306641	5302901	5305802	5305803	5305804	5306420
		85 - 126	5306642	5302902	5305802	5305806	5305807	5306421
		122 - 151	5306643	5302903	5305808	5305809	5305807	5306421
HG-N	315	80 - 120	5306644	5303962	5305810	5305811	5305804	5306420
		115 - 164	5306645	5303963	5305810	5305813	5305807	5306421
		160 - 207	5306646	5303964	5305815	5305816	5305807	5306421
		200 - 242	5306647	5303970	5305815	5305817	5305807	5306421

* 2 pieces per jaw ≈ 6 pieces per set

Design of the pendulum jaw complete

Scope of delivery

B Protection cover incl. mounting screws

A Mounting bolt for pendulum segment

A O-Ring

A Bushing

B Swivel

A Centering pin

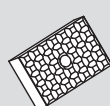
B O-Ring for swivel return

A Base jaw

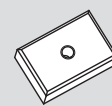
A Base jaw

B Pendulum segment

C Clamping insert (hard)



Clamping insert Hard (standard)



Clamping insert Soft (optional)

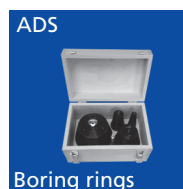
C Clamping inserts including mounting screws (standard are hard clamping inserts)

B Pins to clamp a boring ring

Accessories and other information

Accessories see jaw catalogue. Use the free Jaw Finder application to search for jaws quick and easy.

Further information on smw-autoblok.de



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