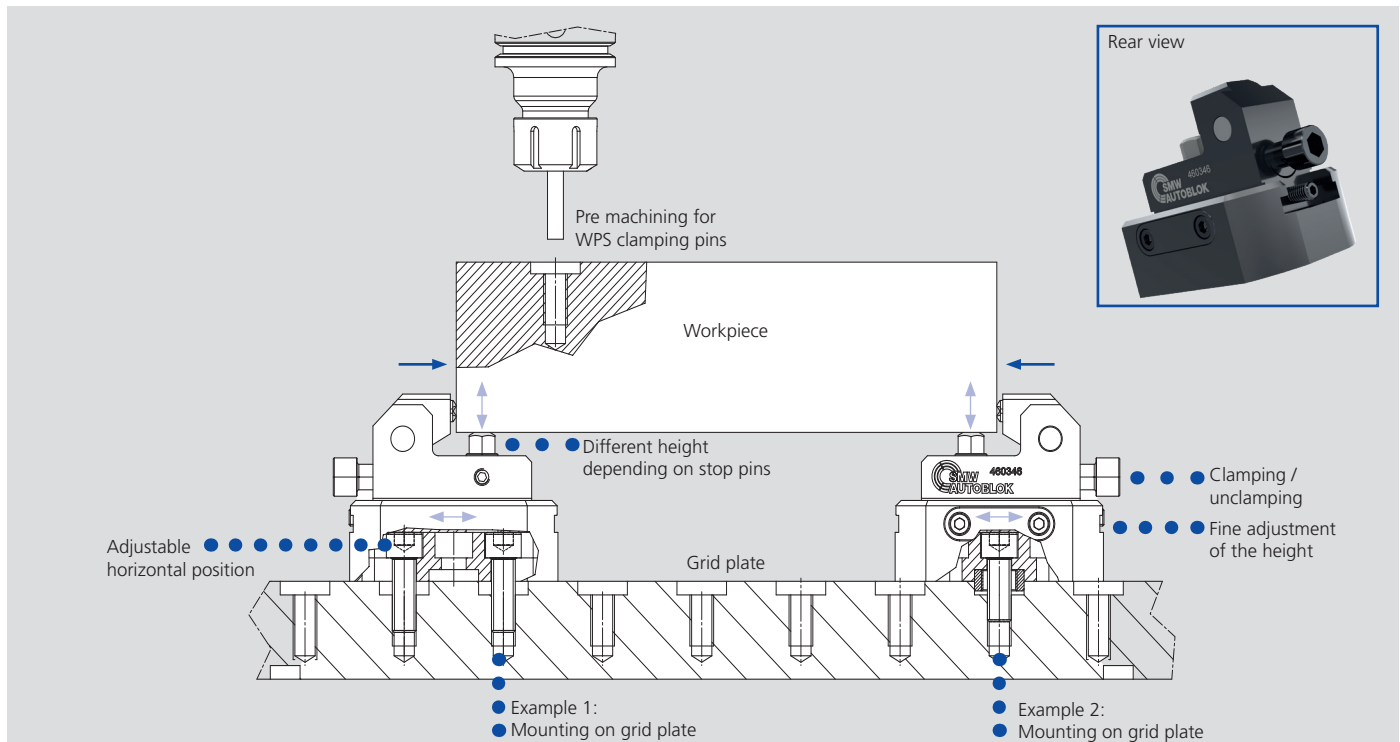


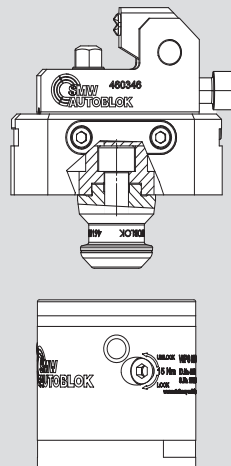
- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system

Mounting on Grip plate



Mounting of a clamping pin for zero point system APS / WPS / ZeroAct:

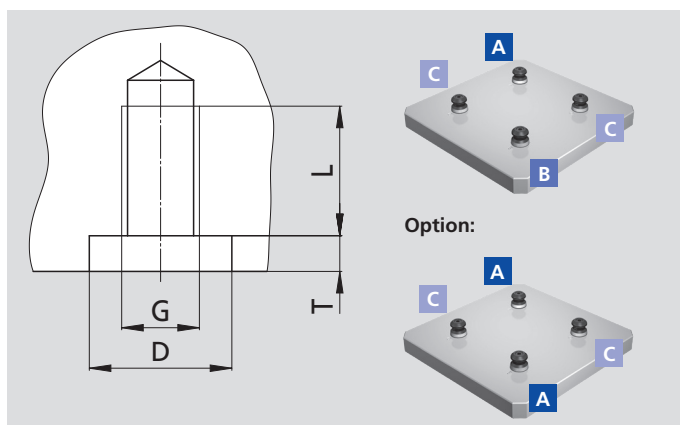
Example



Example 3:
Mounting of clamping pin
(only WPS-PPD 12)

WPS (max height 80 mm)

Interface dimensions for clamping pins in the workpiece



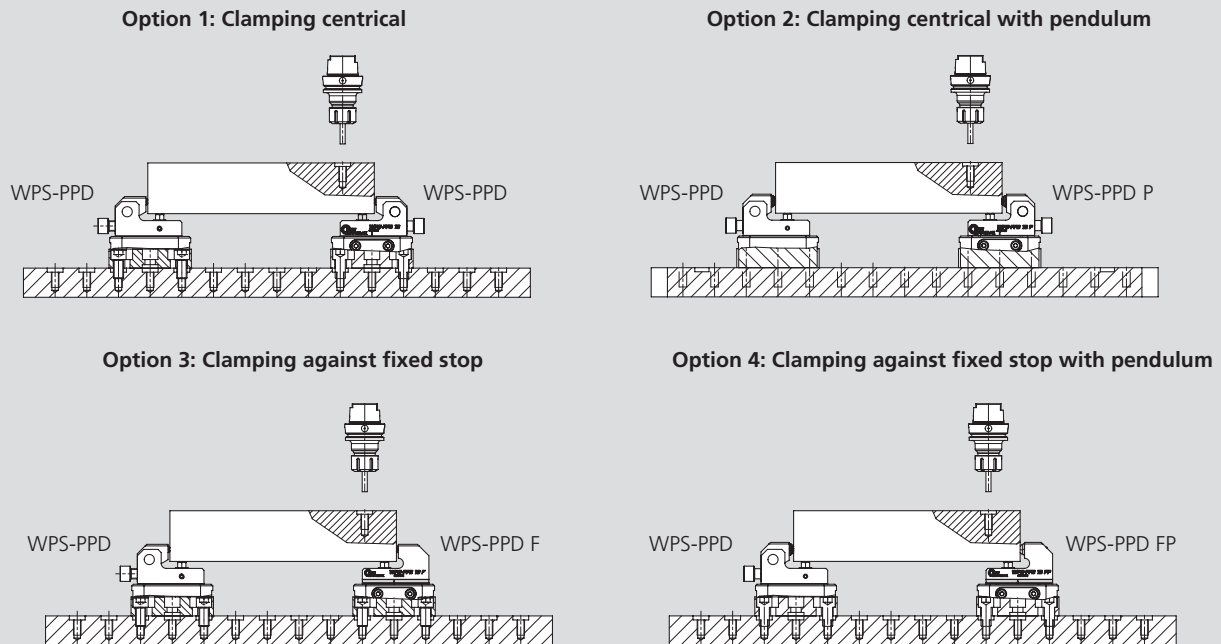
SMW-AUTOBLOK Type	D ^{H7}	G	L	T ^{+0.2}
Clamping pin Basic M12				
Adapter Ø18	18	M12	20	5.5
Adapter Ø20	20	M12	20	5.5
Adapter Ø22	22	M12	20	5.5
Adapter Ø24	24	M12	20	5.5
Adapter Ø25	25	M12	20	5.5
Clamping pin Basic M16				
Adapter Ø20	20	M16	25	5.5
Adapter Ø22	22	M16	25	5.5
Adapter Ø24	24	M16	25	5.5
Adapter Ø25	25	M16	25	5.5

Note: Id. No. clamping pins see page 81

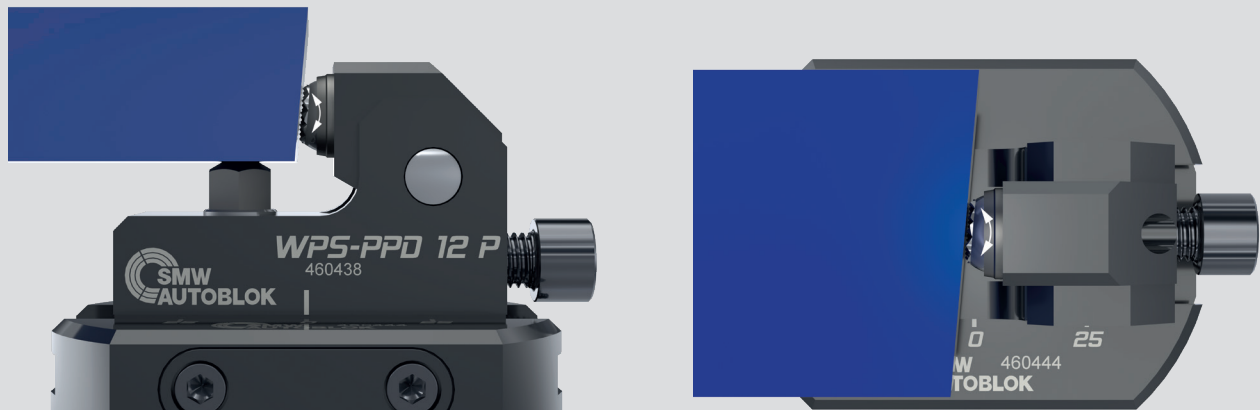
Please download the 3D data for customer integration from our website www.stationary-workholding.com.

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system

Application examples



Pendulum feature WPS-PPD P and FP



- Due to the integrated pendulum mechanism, the clamping position adjusts itself to the workpiece geometry automatically.
- Therefore, also not angular workpiece areas can be clamped fast and safe.
- Thanks to 4 different pendulum inserts, the clamping devices are very flexible in use.

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system



Application/customer benefits

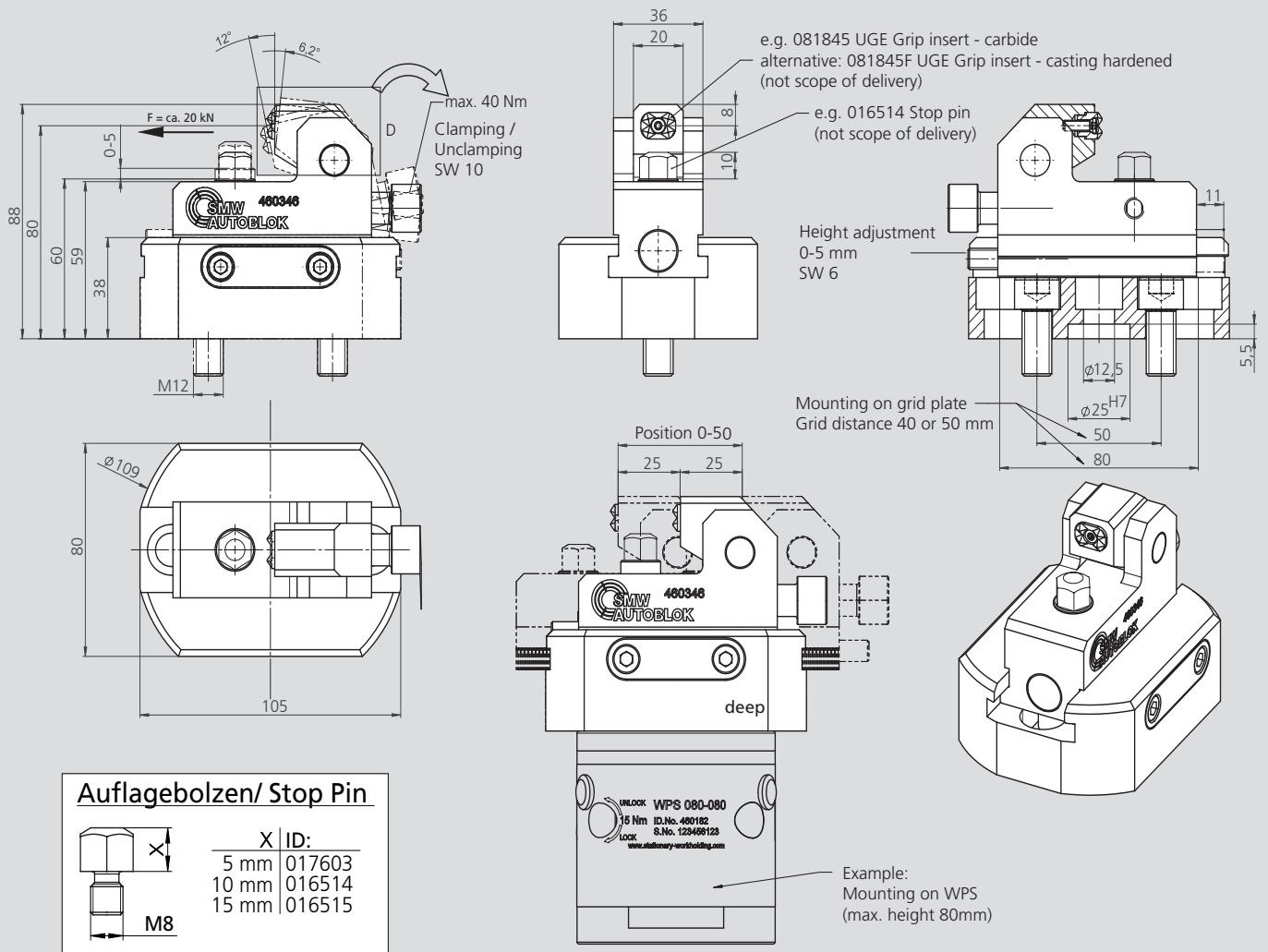
- Ideal for OP 10: Preparation of the workpiece for WPS
- Very strong and compact design for best accessibility
- Clamping height of the workpiece adjustable
- Easy and flexible mounting
- Direct interface for grid dimension 40 / 50 mm and interface for zero point system APS / WPS / ZeroAct as a standard

Technical features

- Manual actuation (SW 10)
- Horizontal position adjustable (0 - 50 mm)
- Position lockable clamping
- Pull-down effect
- Clamping force up to 20 kN (40 Nm)
- Different heights for the workpiece support by means of different stop pins
- Fine adjustment of the clamping height (0 - 5 mm)

Standard equipment

WPS-PPD with UGE Grip insert - carbide without stop pin



Subject to technical changes.

Order review

Type		Id. No.
WPS-PPD 12 Workpiece preparation device		460346
Stop Pin ALB	5 mm	017603
Stop Pin ALB	10 mm	016514
Stop Pin ALB	15 mm	016515
UGE Grip Insert	casting hardened	081845F

WPS-PPD 12 F/FP

Workpiece preparation device - fixed stop

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system



Application/customer benefits

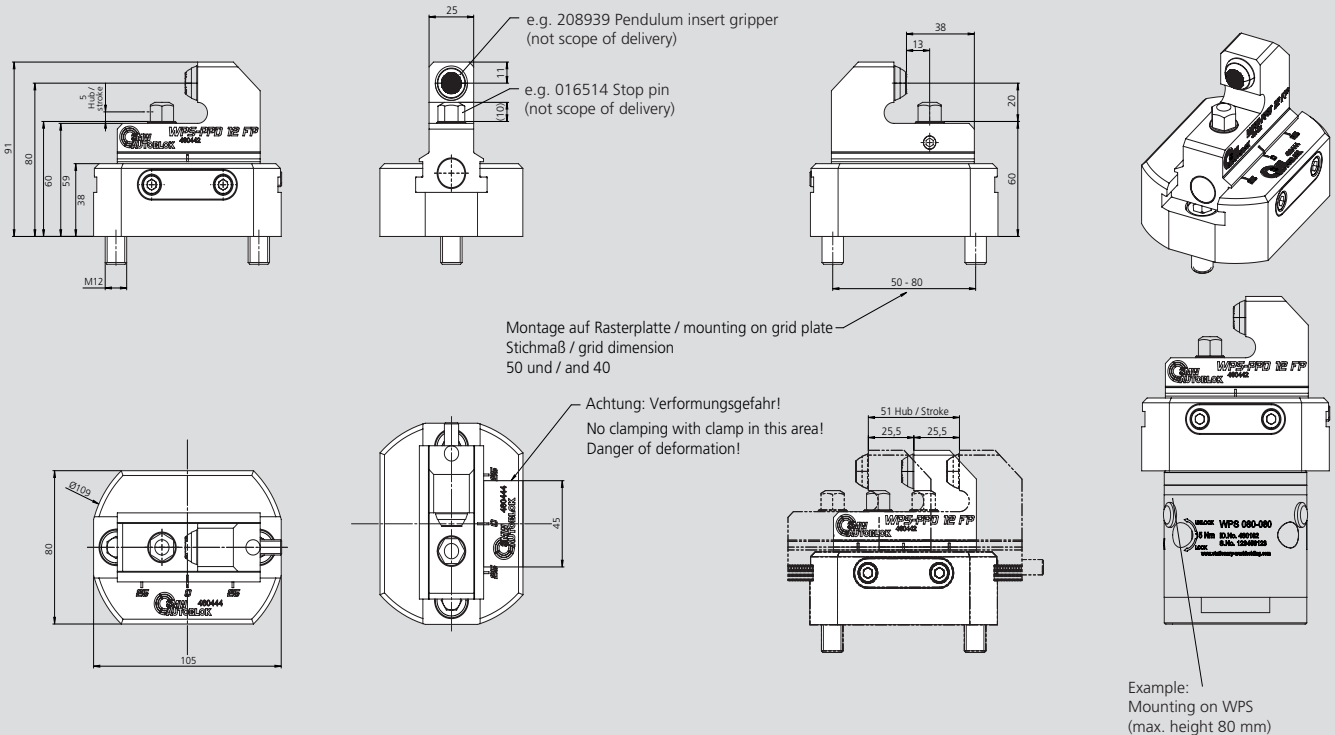
- F: Fixed stop without pendulum
- FP: Fixed stop with pendulum
- Ideal for OP 10: Preparation of the workpiece for WPS
- Very strong and compact design for best accessibility
- Clamping height of the workpiece adjustable
- Easy and flexible mounting
- Direct interface for grid dimension 40 / 50 mm and interface for zero point system APS / WPS / ZeroAct as a standard

Technical features

- Horizontal position adjustable (0-50 mm)
- Position lockable clamping
- Pendulum angle of the inserts: $\pm 9^\circ$
- Different heights for the workpiece support by means of different stop pins
- Fine adjustment of the clamping height (0-5 mm)

Standard equipment

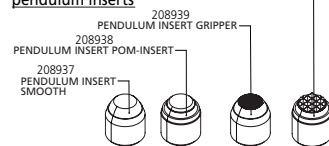
WPS-PPD 12 F with UGE Grip insert hard metal, without stop pin
WPS-PPD 12 FP without pendulum inserts and stop pin



Auflagebolzen / Stop Pin

X	ID:
5 mm	017603
10 mm	016514
15 mm	016515

Pendeleinsätze / pendulum inserts



Subject to technical changes.

Order review

Type		Id. No.
WPS-PPD 12 F Workpiece preparation device (w/o pendulum)	UGE Grip insert HM scope of delivery	460432
WPS-PPD 12 FP Workpiece preparation device (with pendulum)		460434
Stop Pin ALB	5 mm	017603
Stop Pin ALB	10 mm	016514
Stop Pin ALB	15 mm	016515
Pendulum insert smooth		208937
Pendulum insert POM-Insert		208938
Pendulum insert gripper		208939
Pendulum insert HM-Gripper		208940
UGE Grip insert	casting hardened	081845F

WPS-PPD 16 P

Workpiece preparation device with pendulum

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system



Application/customer benefits

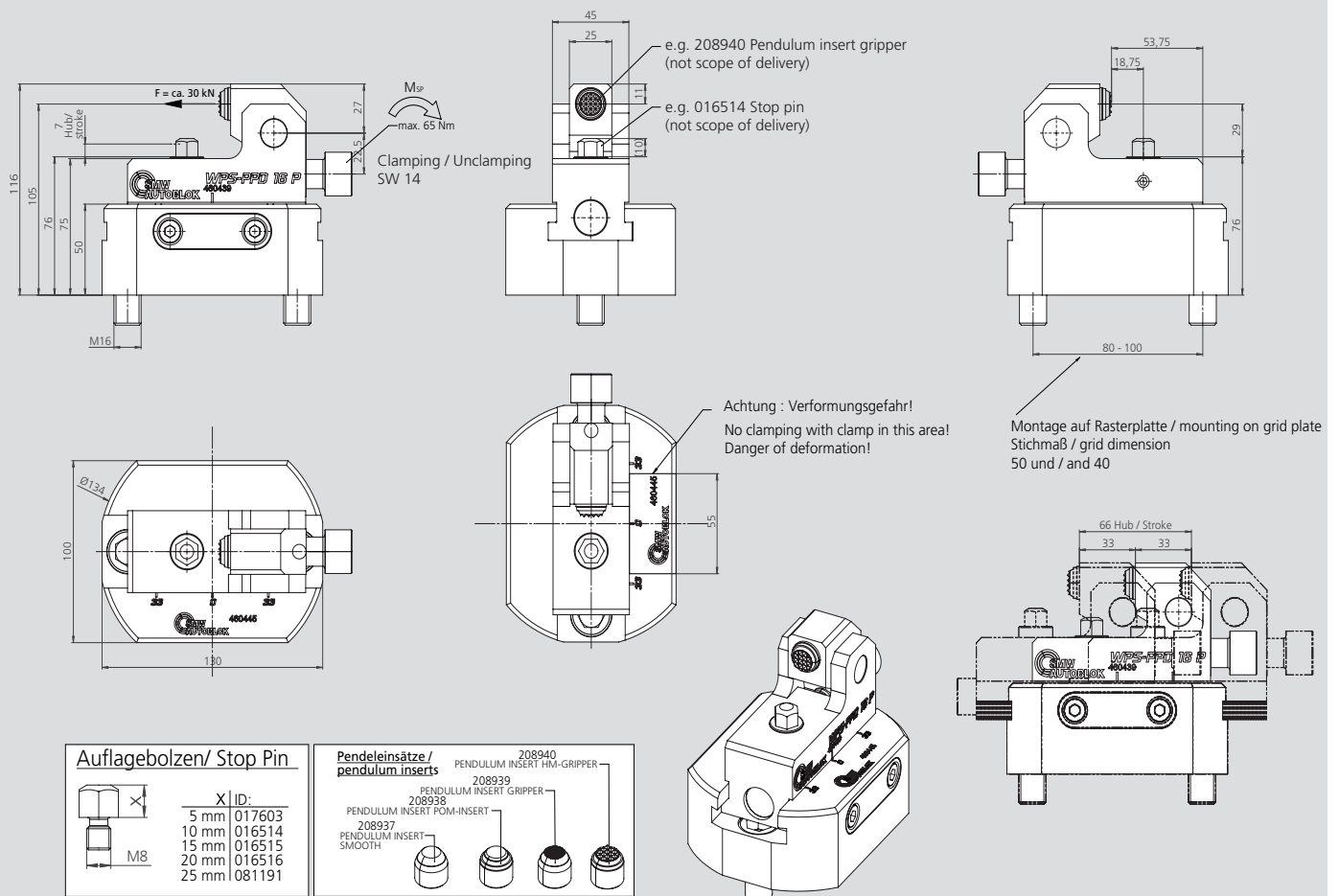
- Ideal for OP 10: Preparation of the workpiece for WPS
- Very strong and compact design for best accessibility
- Clamping height of the workpiece adjustable
- Easy and flexible mounting
- Direct interface for grid dimension 40 / 50 mm and interface for zero point system APS / WPS / ZeroAct as a standard

Technical features

- Manual actuation (SW 14)
- Horizontal position adjustable (0 - 50 mm)
- Position lockable clamping
- Pull-down effect
- Pendulum angle of the inserts: $\pm 9^\circ$
- Clamping force up to 30 kN (65 Nm)
- Different heights for the workpiece support by means of different stop pins
- Fine adjustment of the clamping height (0 - 7 mm)

Standard equipment

WPS-PPD 16 P without pendulum inserts and stop pin



Subject to technical changes.

Order review

Type		Id. No.
WPS-PPD 16 P Workpiece preparation device		460431
Stop Pin ALB	5 mm	017603
Stop Pin ALB	10 mm	016514
Stop Pin ALB	15 mm	016515
Stop Pin ALB	20 mm	016516
Stop Pin ALB	25 mm	081191
Pendulum insert smooth		208937
Pendulum insert POM-Insert		208938
Pendulum insert gripper		208939
Pendulum insert HM-Gripper		208940

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system



Application/customer benefits

- F: Fixed stop without pendulum
- FP: Fixed stop with pendulum
- Ideal for OP 10: Preparation of the workpiece for WPS
- Very strong and compact design for best accessibility
- Clamping height of the workpiece adjustable
- Easy and flexible mounting
- Direct interface for grid dimension 40 / 50 mm and interface for zero point system APS / WPS / ZeroAct as a standard

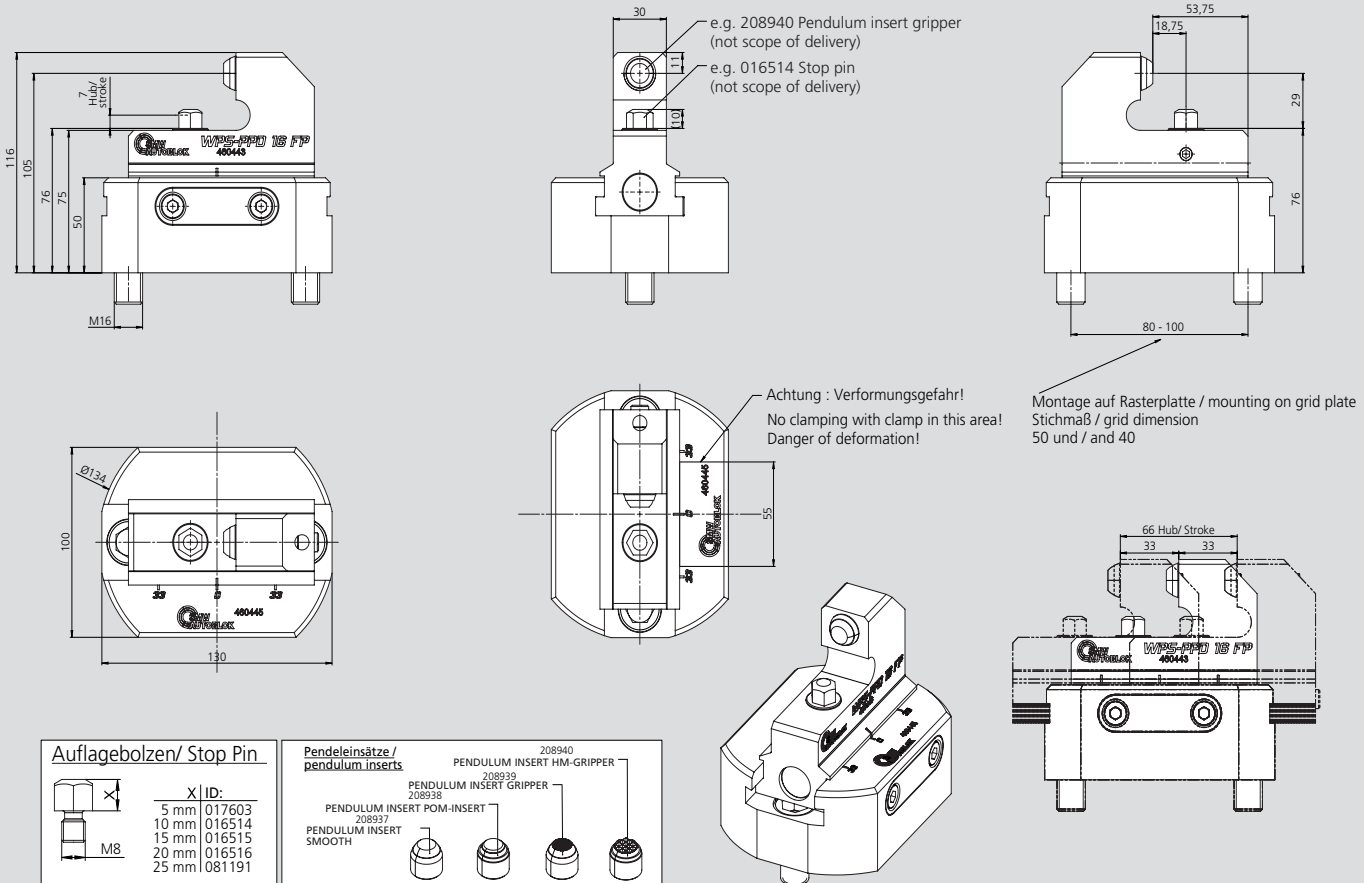
Technical features

- Manual actuation (SW 14)
- Horizontal position adjustable (0 - 50 mm)
- Position lockable clamping
- Pull-down effect
- Pendulum angle of the inserts: $\pm 9^\circ$
- Different heights for the workpiece support by means of different stop pins
- Fine adjustment of the clamping height (0 - 7 mm)

Standard equipment

WPS-PPD 16 F with grip insert hard metal, without stop pin

WPS-PPD 16 FP without pendulum inserts and stop pin



Subject to technical changes.

Order review

Type		Id. No.
WPS-PPD 16 F Workpiece preparation device (w/o pendulum)	UGE Grip insert HM scope of delivery	460433
WPS-PPD 16 FP Workpiece preparation device (with pendulum)		460435
Stop Pin ALB	5 mm	017603
Stop Pin ALB	10 mm	016514
Stop Pin ALB	15 mm	016515
Stop Pin ALB	20 mm	016516
Stop Pin ALB	25 mm	081191
Pendulum insert smooth		208937
Pendulum insert POM-Insert		208938
Pendulum insert gripper		208939
Pendulum insert HM-Gripper		208940
UGE Grip insert	casting hardened	081845F

- Ideal for OP 10: Preparation of the workpiece for WPS
- Flexible system

Application/customer benefits

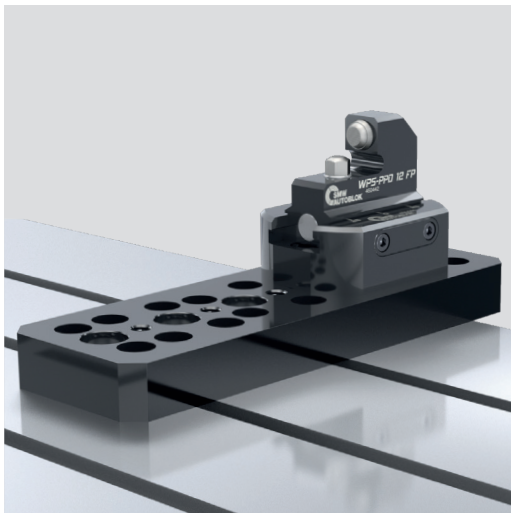
- Easy and flexible use of WPS-PPD direct clamping devices
- Fine adjustment on T-slot tables
- Mounting of WPS-PPD on grid plates between two row of holes possible
- Protected against corrosion
- Very strong version
- Undrilled version for customized finish machining

Technical features

- Dimensions 100 x 300 mm
- Height 30 mm

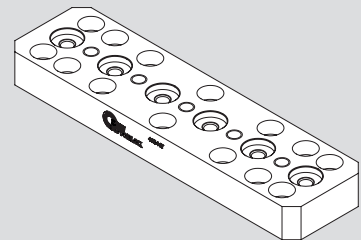
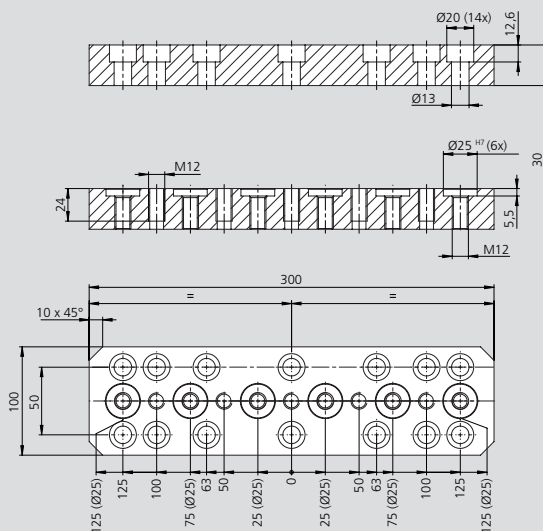
Standard equipment

Clamping bar WPS-PPD



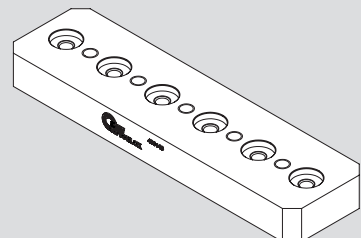
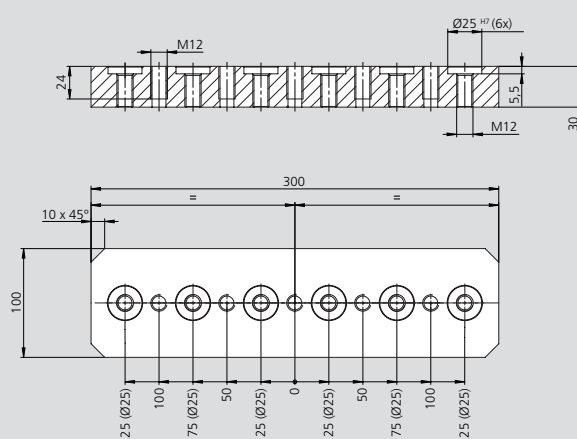
Options:

Clamping bar WPS-PPD
(drilled)



Subject to technical changes.

Clamping bar WPS-PPD
(undrilled)



Subject to technical changes.

Order review

Type	Id. No.
Clamping bar WPS-PPD (drilled)	460447
Clamping bar WPS-PPD (undrilled)	460448