

■ Clamping pins 1 piece

Workpiece positioning system



Type A

Type B

Type C

Application/customer benefits

- Fixation and positioning on the clamping system WPS
- Wear-resistant due to an extra hard protective coating
- Large entry radius of the clamping pins for easy and safe loading

Technical features

- Centering pin Type A (Standard)
- Sword pin Type B (Positioning pin)
- Clamping pin Type C (with centering play 0.1 mm)

Standard equipment

Clamping pin with mounting screw

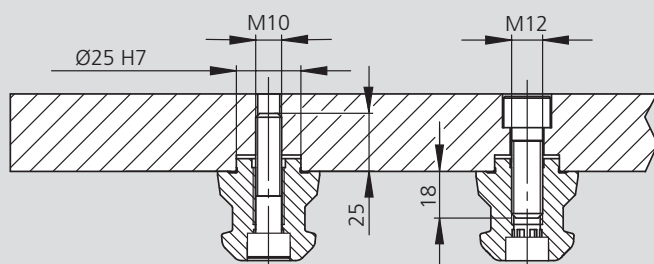
Clamping pin with thread M12

Type A-C

*ISO 4762 M10x45 / 12.9

Type A-C

ISO 4762 M12 / 12.9



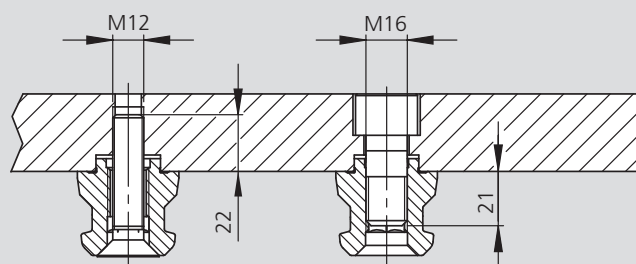
Clamping pin with thread M16

Type A-C

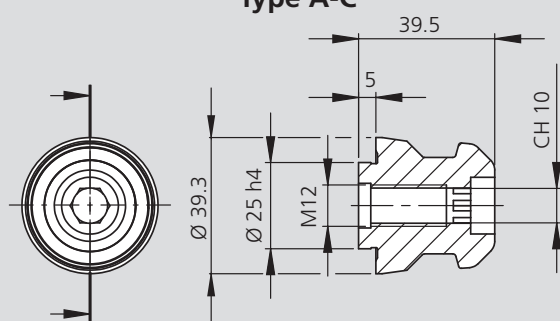
*ISO 10642 M12x55 / 10.9

Type A-C

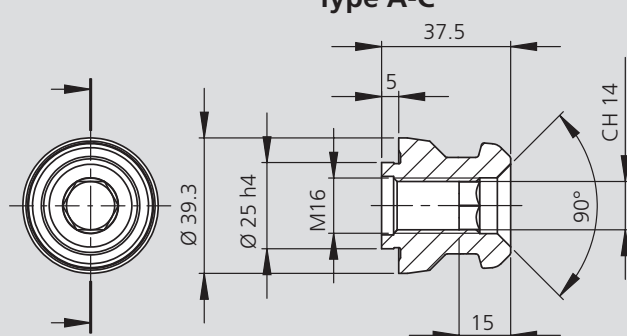
ISO 4762 M16 / 12.9



Type A-C



Type A-C



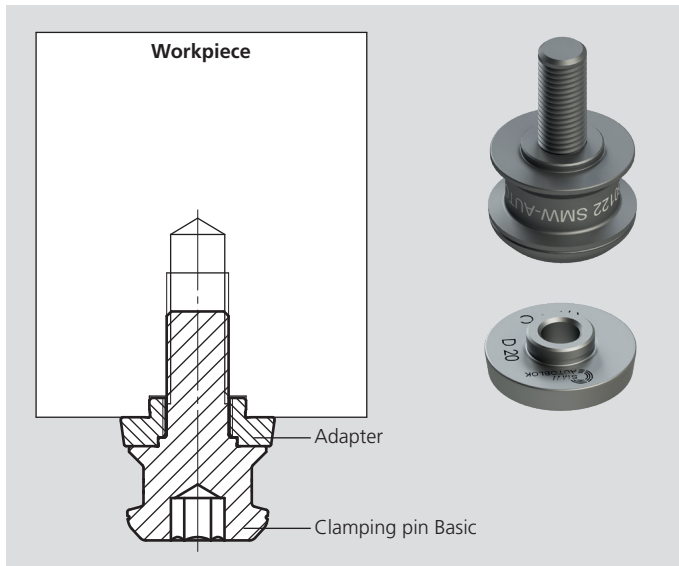
* included in delivery.

Subject to technical changes.

Order review

Type	Thread	Type A Id. No.	Type B Id. No.	Type C Id. No.	Weight [kg]
Clamping pin WPS	M12	46162355	46162356	46162357	0.3
Clamping pin WPS	M16	46162455	46162456	46162457	0.3

Clamping pin WPS for workpieces



Clamping pins Basic WPS 2-pieces

Clamping pins	Id. No.
Clamping pins Basic M12 (without adapter)	460122
Clamping pins Basic M16 (without adapter)	460123
Clamping pins Basic 7/16" (without adapter)	460108
Clamping pins Basic 5/8" (without adapter)	460109

Adapter

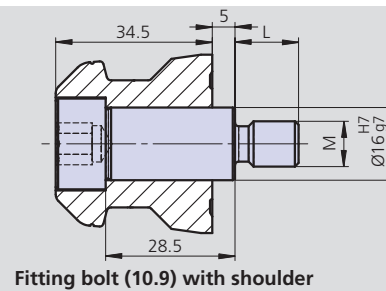
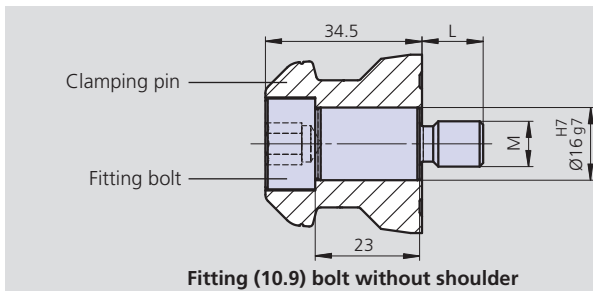
Ø	Type	Id.-No.	Type	Id.-No.	Type	Id.-No.
18*	A	460124	B	460341	C	460129
20	A	460125	B	460342	C	460130
22	A	460126	B	460343	C	460131
24	A	460127	B	460344	C	460132
25	A	460128	B	460345	C	460133

Centering pin Type A (Standard)

Sword pin Type B (Positioning pin)

Clamping pin Type C (with centering play 0.1 mm)

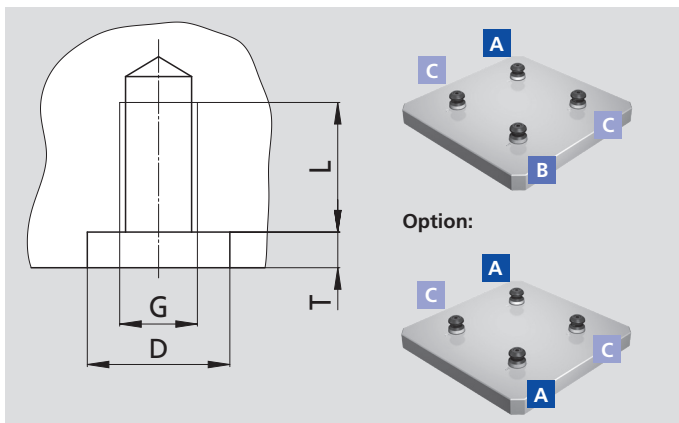
Clamping pin without shoulder



Id. No.	Id. No. Description	M	L
460093	Fitting bolt D16	M10	14
460091	Fitting bolt D16	M12	17
460096	Fitting bolt D16	M16	20
460258	Fitting bolt D16 with shoulder	M10	14
460259	Fitting bolt D16 with shoulder	M12	17
460260	Fitting bolt D16 with shoulder	M16	20
460176	Clamping pin without shoulder Type A	-	-
460208	Clamping pin without shoulder Type C*	-	-

* Centering play 0.1 mm

Interface dimensions for clamping pins in the workpiece

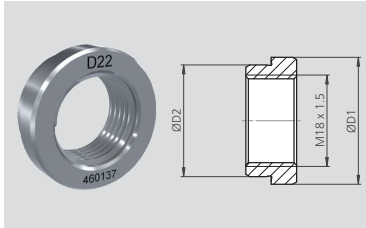


SMW-AUTOBLOK Type	D ^{H7}	G	L	T ^{+0.2}
Clamping pin Basic M12				
Adapter Ø18	18	M12	20	5.5
Adapter Ø20	20	M12	20	5.5
Adapter Ø22	22	M12	20	5.5
Adapter Ø24	24	M12	20	5.5
Adapter Ø25	25	M12	20	5.5
Clamping pin Basic M16				
Adapter Ø20	20	M16	25	5.5
Adapter Ø22	22	M16	25	5.5
Adapter Ø24	24	M16	25	5.5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

Note: Id. No. clamping pins see page 81.

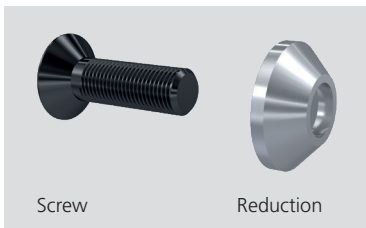
Please download the 3D data for customer integration from our website www.stationary-workholding.com.

Adaption washer Ø 25h7 on [D] pass diameter



Adaption washer Ø		Id. No.
D1 (h7)	D2 (h7)	
Ø 25	Ø 18	460135
Ø 25	Ø 20	460136
Ø 25	Ø 22	460137
Ø 25	Ø 24	460138
Ø 25	Ø 25	460139

Mounting screws with reduction for WPS installation for the use of M10 and M12 screws



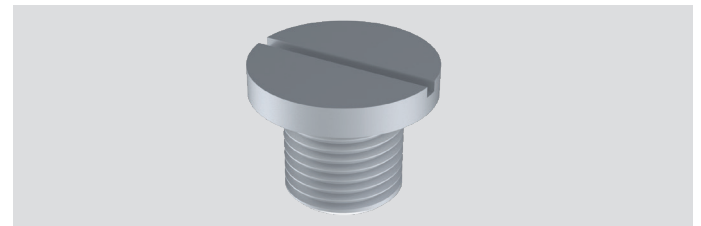
Mounting screw / reduction for M10 and M12	Screw M10	Reduction M10	Screw M12	Reduction M12
WPS height 60 mm, bolt length 40 mm	207780	460206	207779	460207
WPS height 80 mm, bolt length 50 mm	010814	460204	010212	460205
WPS height 100 mm, bolt length 70 mm	on request	on request	on request	on request
WPS height 160 mm, bolt length 130 mm	019363	460204	010599	460205

Cover plug with O-ring for grid plates



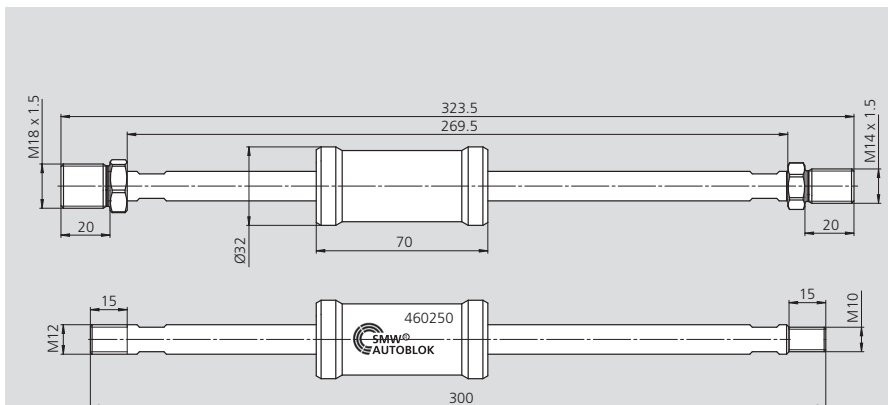
Type	Id. No.
Cover plug D=18	460163
Cover plug D=20	460255
Cover plug D=22	460256
Cover plug D=24	460257
Cover plug D=25	460164

Aluminium threaded plug for grid plates



Type	Id. No.
Aluminium threaded plug Ø 25 M16	57602397

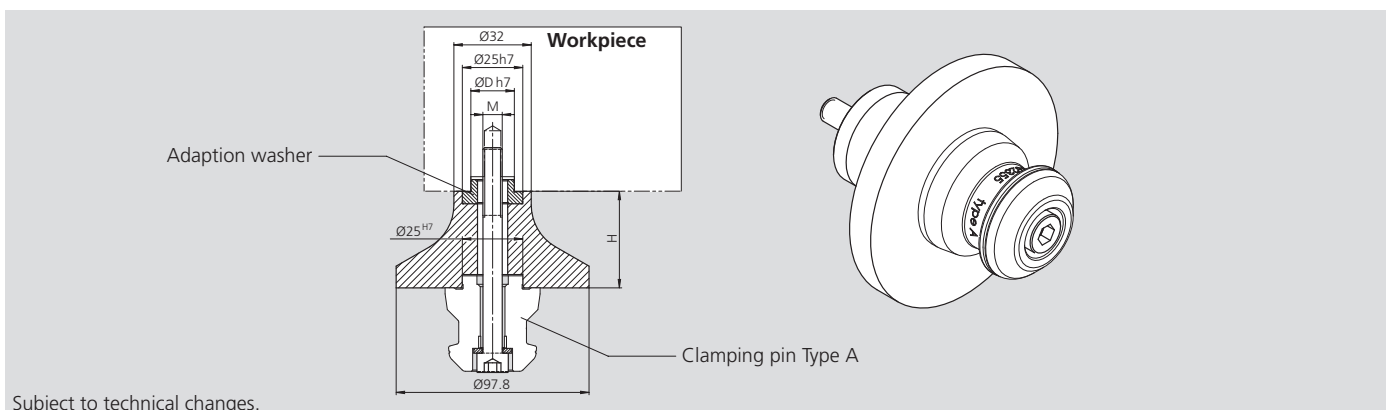
Extractor for adapter rings and clamping pin, Id. No. 460250



Subject to technical changes.

Extractor	Id. No.
for adapter rings and clamping pins	460250

Reduction D32 for WPS 080

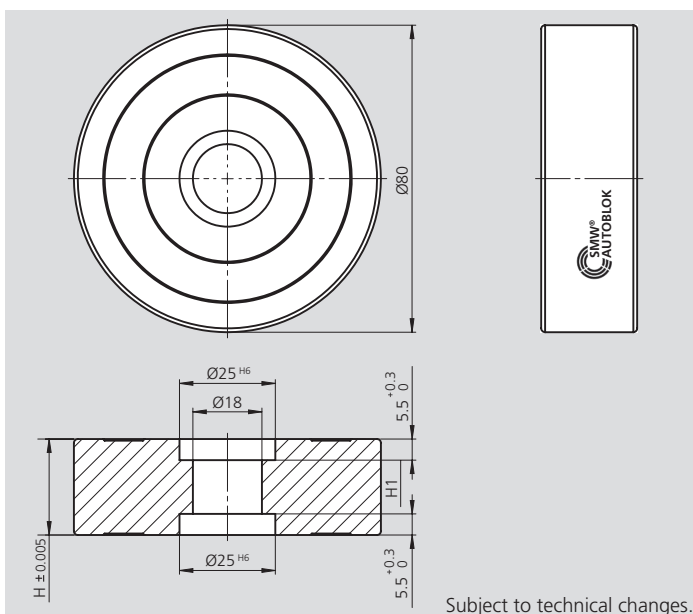


Subject to technical changes.

Reduction Thread [M]	Id. No.	
	Height 40 mm [H]	Height 80 mm [H]
M 08	460216	460219
M 10	460217	460220
M 12	460218	460221
M 16	460365	460366

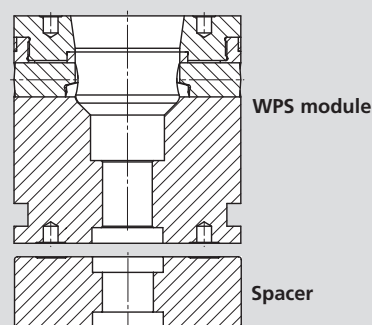
Note: Id. No. Adaption washers from Ø 25h7 to [D] (not included) see page 83

Spacers for WPS modules



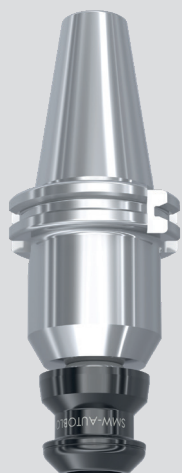
Subject to technical changes.

Example:



Id. No.	H	H1
460224	10	0
460225	15	4
460226	20	9
460227	25	14
460236	45	34

Attention: Standard mounting bolt can not be used anymore.
Please check for correct thread engagement.



Application/customer benefits

- Simply use of WPS modules on T-slot machine tables
- Easy and high precise grid-free positioning of WPS clamping modules on the machine table
- The positioning set will be mounted on a tool holder provided by the customer

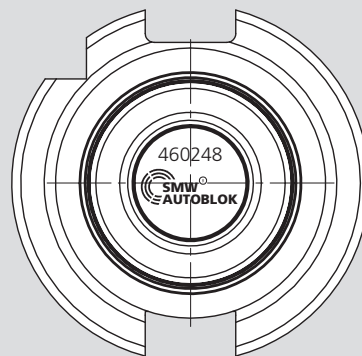
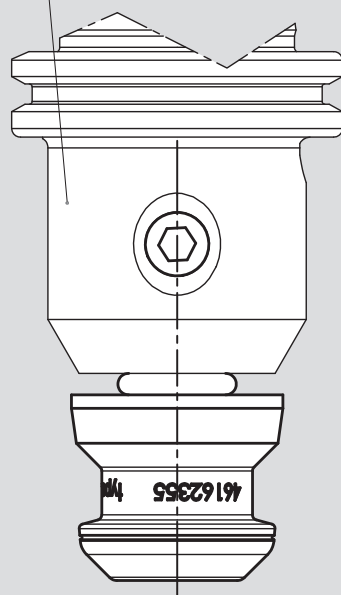
Technical features

- Compatible to all common tool holders
- Positioning of the module ± 0.03 (depending of tool holder)
- The WPS modules may be actuated with max. 2 Nm (instead of 15 Nm) by using the WPS positioning system, otherwise there is a risk of damage!

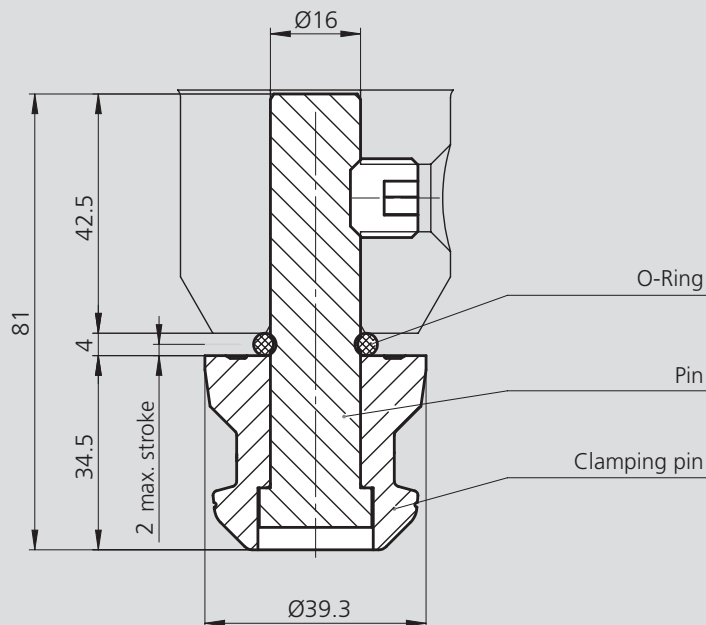
Standard equipment

Positioning set without tool holder

Customers tool holder:
- Weldon mounting
- ER collets
- Hydro expansion chuck

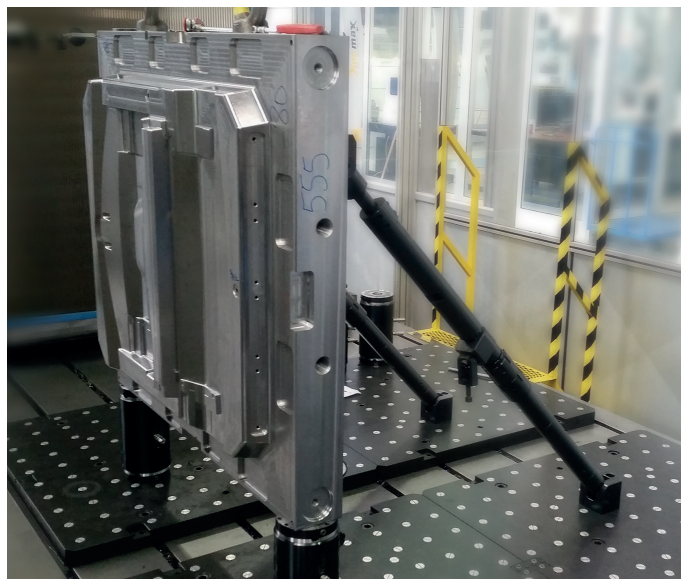


SCHNITT / SECTION A-A



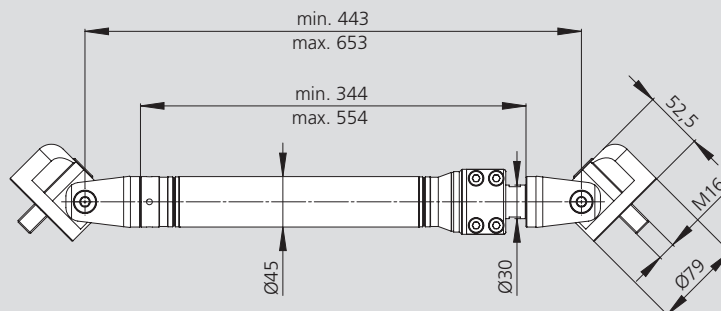
Subject to technical changes.

Workpiece stabilizer with telescope



Workpiece stabilizer WS-210

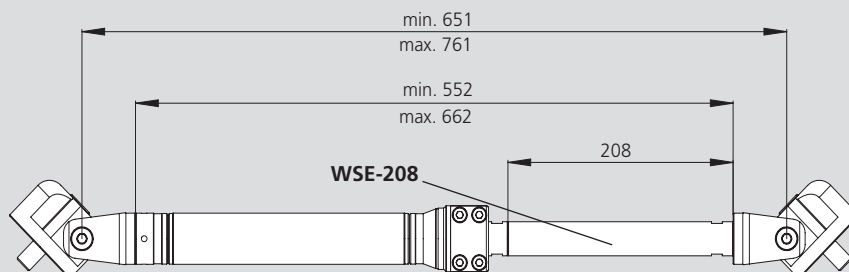
- Stroke 210 mm
- Optional fine adjustment



Subject to technical changes.

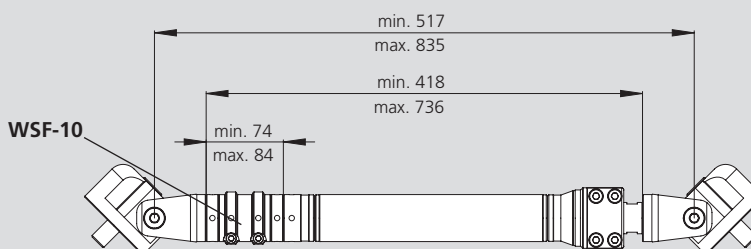
Workpiece stabilizer WS-210 with extension WSE-208

- Max. 2 pcs. of the extensions



Subject to technical changes.

Workpiece stabilizer WS-210 with fine adjustment WSF-10



Subject to technical changes.

Type	Id. No.
Workpiece stabilizer WS-210	460395
Extension WSE-208	460354
Fine adjustment WSF-10	460336