



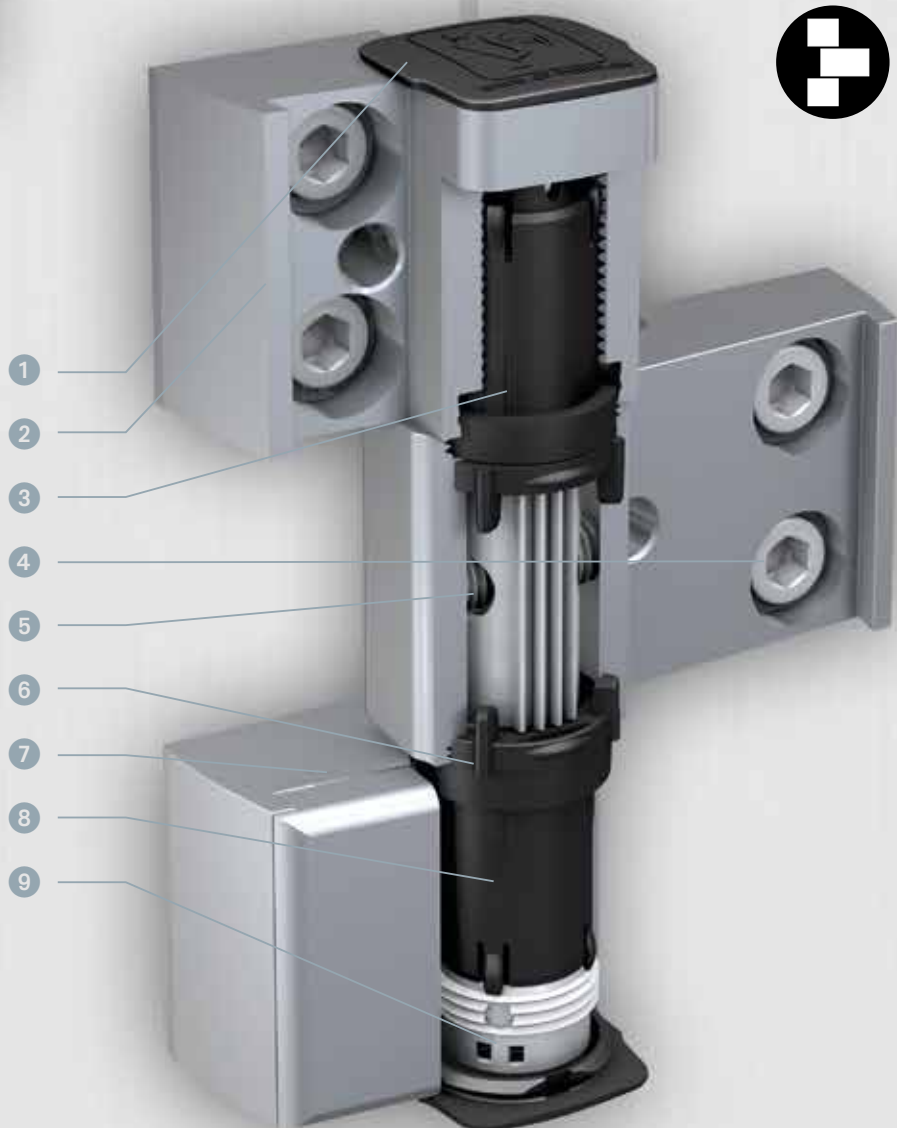
# Hahn Serie 60 AT

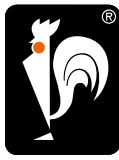
Universal hinge for versatile application



**MORE MODERN LOOK  
IMPROVED TECHNOLOGY**







# Hahn Serie 60 AT

For all doors made from metal profile sections

- 1 **NEW!** Uniform caps  
– now with long-term hold
- 2 **Screw-on hinge of extruded aluminium** – withstands significant pressure and tensile forces
- 3 **Split stainless steel pins**  
– for easier disassembly
- 4 **NEW!** Choose freely between Hahn fastening elements  
– suits every profile situation

## **NEW!** Larger setting range

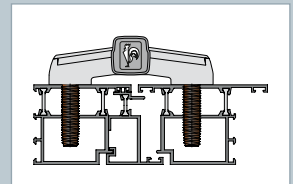
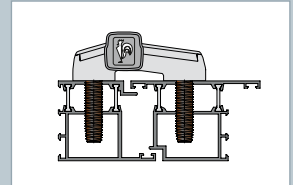
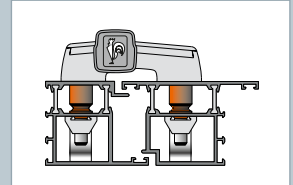
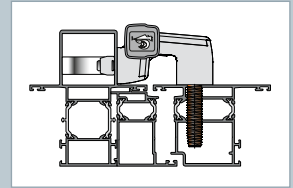
- 5 **Horizontal adjustment**  
 $\pm 2.5$  mm on installed doors  
– ensuring an optimum fit
- 6 **Both parts of the hinges are equipped with a synthetic sleeve offering**  
– improved antifriction property
- 7 **NEW!** Cover strip secured  
– for improved protection against break-ins

## **NEW!** Adjustable with door leaf installed

- 8 **Adjust sealing pressure**  
 $\pm 0.5$  mm (necessary to remove the door leaf for some variations)
- 9 **Height adjustment using integrated lifting and lowering spindle** – continually variable + 3 mm/–2 mm and easy adjustment

## Other advantages

- Adjustable in six directions while door leaf is mounted
- Capable of supporting up to 220 kg (3-piece) or 140 kg (2-piece) depending on the design of the profile sections
- Available for all common aluminium and steel profile sections
- The standard version comes with high corrosion resistance
- The hinge system offers a variety of possible combinations and mounting options for inward and outward opening doors with alternating profile and corner post construction
- Can be used on left or right
- Special designs for folding doors and intrusion-resistant doors
- Hinges available in anodised and RAL colours
- Bearing point maintenance-free – no lubrication necessary





Hahn Serie 60 AT ...

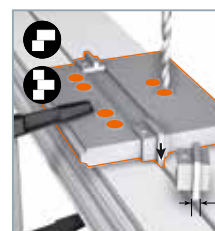


... more convenience  
for door makers

A hinge for (almost) every application:  
Hahn Serie 60 AT hinges are universally usable for almost all system profiles. They are durable and always remain stable even when subject to intensive use. Both parts of the hinge are equipped with a low-maintenance bearing bushing. That improves the antifriction properties for several hundred thousand cycles. Moreover, it can be adjusted in six directions – by one person and without having to loosen the fastening screws, and now even when the door leaf is already installed.

### Installation instructions

Fastening method anchor screw



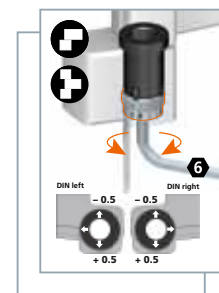
Drill 11 mm diameter holes.



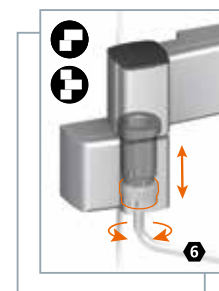
## Convenient and reliable

The cover strips are equipped with a tension bolt, which is fixed from behind and which prevents access to the fastening screws. To contribute to protection against break-ins, Hahn offers security sets as an accessory for doors that open outward. The hinge system offers a variety of possible combinations and mounting options for inward and outward opening doors with reversible profile and corner post construction.

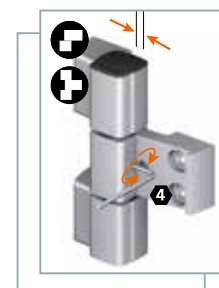
## Adjustment instructions



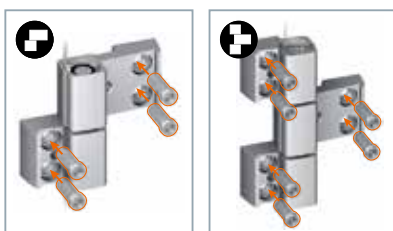
**Adjusting the sealing pressure**  
 Increase sealing pressure: + 0.5 mm, mark points towards the door. Decrease sealing pressure: - 0.5 mm, mark points away from the door.



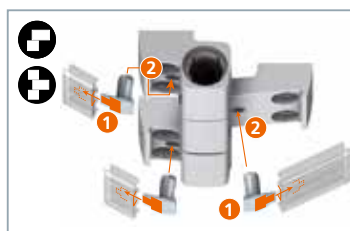
**Adjusting the height**  
 + 3/- 2 mm



**Horizontal adjustment**  
 ± 2.5 mm



Tighten screws of the hinge body (20–25 Nm).



Slide tension bolt into cover strip. Snap-on cover strip. Snap caps in place.



## For all doors made from metal profile sections











Be it main doors, side doors or functional doors, interior, exterior or entry doors, the Hahn Serie 60 AT is a door hinge that performs as expected for the long term. Before a Hahn hinge can be rolled out, the ready-for-production hinge is subjected to testing with over 200,000 opening cycles. In doing so, the hinge must also prove itself under unfavourable conditions. It is only after these tests have been completed successfully that the hinge can be released. This guarantees that a Hahn hinge is reliable over the long term, a benefit that is much appreciated by architects, system suppliers, door makers and building owners.

**MADE IN GERMANY**

## Including CE certificate

Both hinge versions of the Series 60 AT were tested by a testing laboratory with regard to a high load capacity. The 2-piece and 3-piece version have attained hinge class 14 – the currently highest rating available for single-axis door hinges. The 3-piece version with a borehole gauge of 125 mm has earned the hinge class 11 rating based on special testing criteria, whereby its high load capacity was also certified by the testing laboratory. The standard version of the Series 60 AT hinges is suited for their usability on smoke-resistant and fire safety doors within the framework of component testing.



								
	Service class	Durability	Weight of test door	Fire resistance	Security	Corrosion resistance	Intrusion protection	Hinge class
<b>SERIE 60 AT</b> 	4	7	7	0	1	4 (5*)	1	14
<b>SERIE 60 AT</b> 	3/4	7	4/7	0/1*	1	4 (5*)	0/1	11/14*

Suitable for installation on doors placed along emergency escape routes.

Position 4\*: Suitable for use on fire protection doors for hinges of class 14,

Certified by ift Rosenheim Nr. 16-003127-PRO 1 (PB-C04-01-de-02) dated 27.09.2016.

Position 6\*: class 5 in accordance with EN 1670:2007.

Position 8\*: item M781\_ fulfils the class 11.

**SERIE 60 AT**  EC certificate number **1309-CPR-0256**

The classification **4 7 7 0 1 5 1 14** means:

A door hinge for (4) very heavy usage, which has undergone endurance testing of (7) 200,000 cycles, for a door weighing up to (7) 160 kg, not suited for (0) fire and smoke protection, possesses a (5) corrosion resistance of 480 h and can be used on (1) anti-burglar doors.

In addition to that, testing was conducted based on 20 cycles with 320 kg and 5 cycles with 480 kg and successfully completed in accordance with EN 1935.

**SERIE 60 AT**  EC certificate number **1309-CPR-0257**

The classification **4 7 7 1 1 5 1 14** means:

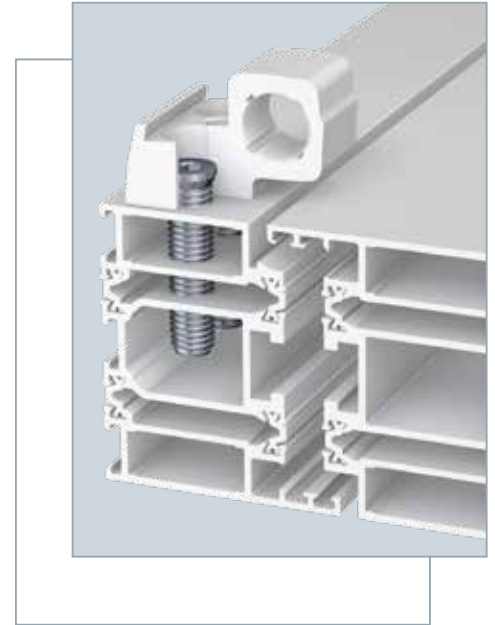
A door hinge for (4) very heavy usage, which has undergone endurance testing of (7) 200,000 cycles, for a door weighing up to (7) 160 kg, suited for (1) fire and smoke protection, possesses a (5) corrosion resistance of 480 h and can be used on (1) anti-burglar doors.

In addition to that, testing was conducted based on 20 cycles with 320 kg and 5 cycles with 480 kg and successfully completed in accordance with EN 1935. The product verifiably withstands a shear load of at least 15 kN.



## Hardly possible to be more universal

The requirements placed on hinge mounting are just as diverse as the system landscapes that hinges have to serve. For this reason, Dr. Hahn developed the Hahn screw anchor revolutionising hinge mounting in 2003. The Hahn anchor screw followed in 2007. Both fastening methods have now become permanent fixtures in the workshops of door installation firms world-wide. For the first time ever, a Hahn hinge can now utilise the entire range with the new Hahn Serie 60 AT. Of course, it depends on the door situation that the installer has to deal with. For hinges with a pivoting point of 20 mm, installers can decide on their own which mounting method they would like to order additionally for the hinge. Delivery of hinges with pivoting points other than 20 mm or 36 mm always take place completely in a box incl. fastening elements. As a result, the Hahn Serie 60 AT is able to satisfy a wide variety of situations and offers door installers maximum flexibility.



**NEW!** The Hahn Serie 60 AT is now also available for individual borehole gauges in a practical industry package of 24 hinges (2-piece) or 18 hinges (3-piece). Original Hahn fastening elements can also be ordered as needed (see page 16).

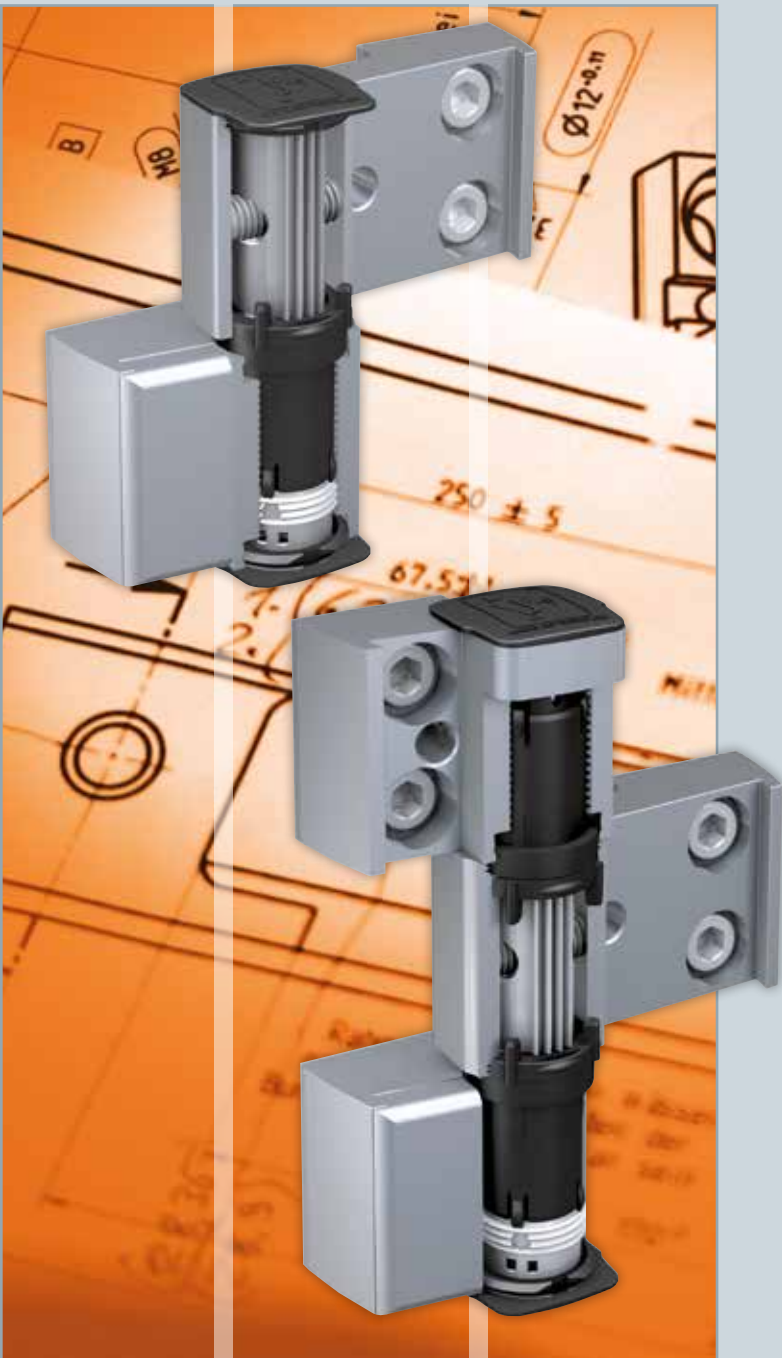




# Hahn Serie 60 AT

Universal hinge for metal doors

## SYSTEM

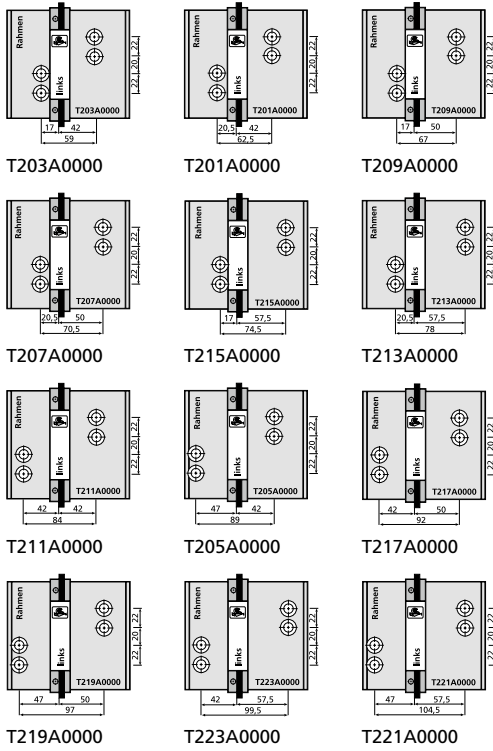


### System/Application

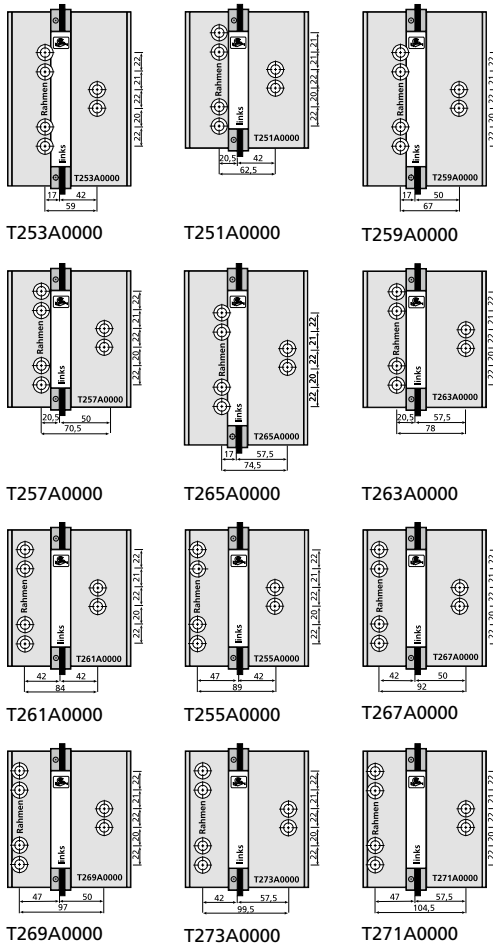
- **Material**  
Made of extruded aluminium
- **Fastening methods**  
Fastening using anchor screw, screw anchor or section reinforcement plates 15 and 21 mm
- **Versions**  
Two pivoting points: 20 mm and 36 mm
- **Load capacity**  
Depending on profile section design, max. 140 kg (2-piece), max. 220 kg (3-piece)
- **Adjustability**  
Door leaf adjustable in six directions:
  - Horizontal adjustment, variable up to  $\pm 2.5$  mm
  - Vertical adjustment using integrated lifting and lowering spindle, raising + 3 mm, lowering - 2 mm
  - Sealing pressure  $\pm 0.5$  mm
- **Colours**  
Hinges available in anodised and RAL colours
- **Doors open up to > 180°**
- **Bearing point maintenance-free**



## Drilling jigs



## Drilling jigs

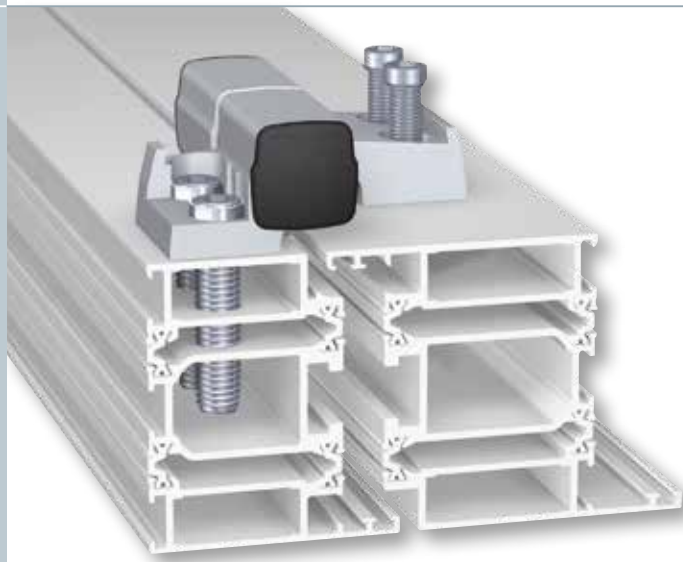


## General suggestions for hinge placement

The following design fundamentals are authoritative for hinge placement: size and weight of door, wall thickness of section, frame design, how the door opens, type of loading, hinge mounting. This information is essential for a precise design calculation.

	Object	Max. door size [mm]	Max. door weight [kg]	Upper door closer	Swing door drive mechanism	Closing sequence controller
Normal usage	Detached house	1,250 x 2,000	120			
	Detached house	1,250 x 2,000	140			
	Building with multiple dwellings	1,250 x 2,000	120			
	Building with multiple dwellings	1,250 x 2,000	140			
	Building with multiple dwellings	1,250 x 2,000	120	■		
	Building with multiple dwellings	1,250 x 2,000	140	■		
Heavy usage	Hospital, school, ...	1,250 x 2,000	120	■		
	Hospital, school, ...	1,250 x 2,000	140			
	Hospital, school, ...	1,250 x 2,000	120		■	
	Hospital, school, ...	1,250 x 2,000	140		■	
	Hospital, school, ...	1,250 x 2,000	120			■
	Hospital, school, ...	1,250 x 2,000	140			■

These general hinge placement suggestions take into account frame sections of normal width (approx. 45 mm) with wall thicknesses of approx. 2 mm. Since the individual door frame systems vary significantly in terms of projected widths and wall thicknesses and the mounting of hinges to the frame play a major role, we recommend that you make use of our free design calculation service, should you have any doubts. To determine the necessary placement of hinges, various information is required. Please request our questionnaire on hinge placement. **Please note:** All statements and calculations relate exclusively to Original Hahn hinges in conjunction with original Hahn fastening elements and take into account their specific characteristics.



**NEW!** Now with Hahn anchor screw for especially fast processing

Recommended hinge placement	Arrangement
2 units 2-piece	Distance from door edge approx. 150 mm
3 units 2-piece	Third hinge approx. 150 mm below the top hinge
2 units 3-piece	Distance from door edge approx. 150 mm
3 units 3-piece	Third hinge approx. 150 mm below the top hinge
3 units 3-piece	Third hinge approx. 150 mm below the top hinge
4 units 3-piece	Third hinge approx. 150 mm below the top hinge, fourth in middle
3 units 3-piece	Third hinge approx. 150 mm below the top hinge
4 units 3-piece	Third hinge approx. 150 mm below the top hinge, fourth in middle
3 units 3-piece	Third hinge approx. 150 mm below the top hinge
4 units 3-piece	Third hinge approx. 150 mm below the top hinge, fourth in middle
3 units 3-piece	Third hinge approx. 150 mm below the top hinge
4 units 3-piece	Third hinge approx. 150 mm below the top hinge, fourth in middle

### Versions for installation with all Hahn fastening elements

<p> M701 □ E000  M751 □ E000</p>	<p> M703 □ E000  M753 □ E000</p>	<p> M709 □ E000  M759 □ E000</p>
<p> M707 □ E000  M757 □ E000</p>	<p> M715 □ E000  M765 □ E000</p>	<p> M713 □ E000  M763 □ E000</p>
<p> M704 □ E000  M754 □ E000</p>	<p> M702 □ E000  M752 □ E000</p>	<p> M710 □ E000  M760 □ E000</p>
<p> M716 □ E000  M766 □ E000</p>	<p> M718 □ E000  M768 □ E000</p>	<p> M720 □ E000  M770 □ E000</p>

Many other applications available on request

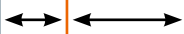
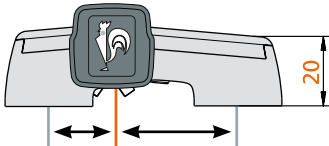


Bearing points made of maintenance-free plastic containing Teflon – do not lubricate!

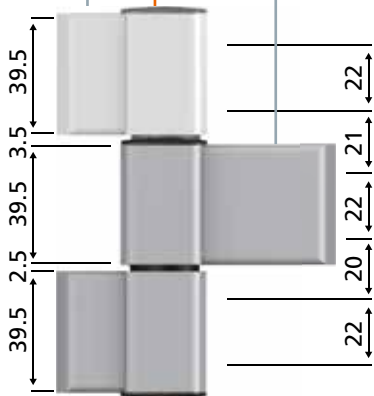


# Separate order of hinge and fastening elements

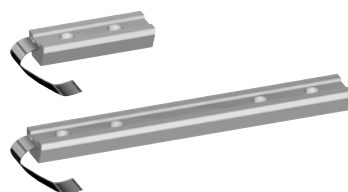
Pivoting point 20 mm



Bore hole gauge	Profile combination for inward opening doors (example)		Profile combination for outward opening doors (example)		Profile combination for inward opening doors with alternating section (example)	
	⊕	⊕	⊕	⊕	⊕	⊕
17 42 mm	M703	M753	M703	M753		
17 50 mm	M709	M759	M709	M759		
20.5 42 mm	M701	M751	M701	M751		
20.5 50 mm	M707	M757	M707	M757		
17 57.5 mm					M715	M765
20.5 57.5 mm					M713	M763
42 42 mm						
42 50 mm						
42 57.5 mm						
47 42 mm						
47 50 mm						
47 57.5 mm						



Mounting plates



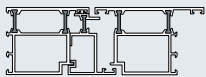
Anchor screws



For item numbers of fastening elements, see page 16



Profile combination for outward opening doors with alternating section (example)



### Colour key

Other colours available. Please indicate separately.

- 0 = unfinished, for anodisation
- 1 = EV1 anodised
- 2 = unfinished, for coating
- R = Electro-coated in matt brown
- 4 = RAL 9010 coated
- 5 = RAL 8077 coated
- 6 = RAL 9016 coated
- 9 = other colour as per specification

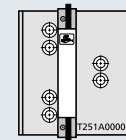
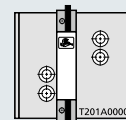
### Packing unit

- Single unit package PU = 1
- Industry package PU = 24
- Industry package PU = 18

### Your stock number

- Basic designation
- Colour number
- Packing unit

### Drilling jigs



### Item number

T □ □ □ A0000



Profile combination		Colour key							Packing unit			Your stock number			Drilling jigs										
		Other colours available. Please indicate separately.																							
		0 = unfinished, for anodisation 1 = EV1 anodised 2 = unfinished, for coating R = Electro-coated in matt brown 4 = RAL 9010 coated 5 = RAL 8077 coated 6 = RAL 9016 coated 9 = other colour as per specification							Single unit package PU = 1 Industry package PU = 24 Industry package PU = 18			Basic designation Colour number Packing unit			Item number T □ □ □ A0000										
		0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	2	0	3	2	5	3
		0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	209	259				
		0	1	2	R	4	5	6	9	E000	V000	V001	M7	□	□	□	□	□	□	201	251				
		0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	207	257				
		0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	215	265				
		0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	213	263				
M711	M761	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	211	261				
*)	M767	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	217	267				
*)	M773	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	223	273				
M705	M755	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	205	255				
*)	M769	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	219	269				
*)	M771	0	1	2	R	4	5	6	9	E000			M7	□	□	□	□	□	□	221	271				

\*) We recommend using a 3-piece variation

### Sample order

- 1 Hahn Universal Hinge Serie 60 AT  
3-piece  
Bore hole gauge 89 mm  
Pivoting point 20 mm

Assigned number as per product overview: M755\_

M755 □ □ □ □ □ □ □ □ □ □

- 2 Electro-coated in matt brown

M755R □ □ □ □ □ □ □ □ □ □

- 3 Single unit package

M755RE000

Alternative designs and combinations based on installation drawing or their description: Designs and combinations receive individual stock numbers.

### Screw anchor

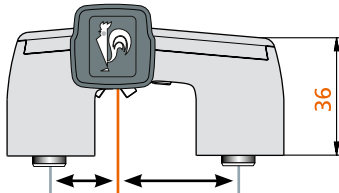


For item numbers of fastening elements, see page 16

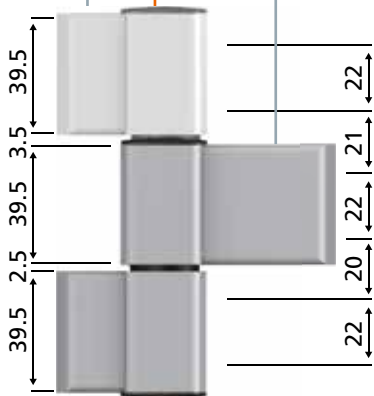


# Separate order of hinge and fastening elements

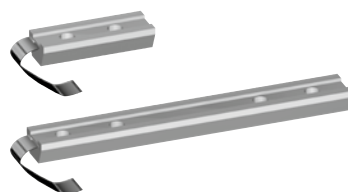
Pivoting point 36 mm



		Bore hole gauge	Profile combination for inward opening doors (example)		Profile combination for outward opening doors (example)		Profile combination for inward opening doors with alternating section (example)	
17	42 mm	59 mm	M704	M754	M704	M754		
17	50 mm	67 mm	M710	M760	M710	M760		
20.5	42 mm	62.5 mm	M702	M752	M702	M752		
20.5	50 mm	70.5 mm	M708	M758	M708	M758		
17	57.5 mm	74.5 mm					M716	M766
20.5	57.5 mm	78 mm					M714	M764
42	42 mm	84 mm						
42	50 mm	92 mm						
42	57.5 mm	99.5 mm						
47	42 mm	89 mm						
47	50 mm	97 mm						
47	57.5 mm	104.5 mm						
20.5	42 mm							
20.5	57.5 mm							



Mounting plates



Anchor screws



For item numbers of fastening elements, see page 16



Profile combination for outward opening doors with alternating section (example)		Profile combination for corner post construction (example)		Colour key	Packing unit			Your stock number	Drilling jigs	
				Other colours available. Please indicate separately 0 = unfinished, for anodisation 1 = EV1 anodised 2 = unfinished, for coating R = Electro-coated in matt brown 4 = RAL 9010 coated 5 = RAL 8077 coated 6 = RAL 9016 coated 9 = other colour as per specification	Single unit package PU = 1	Industry package PU = 24	Industry package PU = 18	Basic designation Colour number Packing unit	 	
										Item number T <input type="text"/> <input type="text"/> <input type="text"/> A0000
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
				0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
M712	M762			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
M718	M768			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
M724	M774			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
M706	M756			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
M720	M770			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
**)	M772			0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
	M749*)	M799*)		0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Please contact us for the article number of corner hinge combinations.	
	M748*)	M798*)		0 1 2 R 4 5 6 9				M7 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		

\*) When ordering corner post constructions, please indicate the profile section system and profile combination.  
 \*\*) Item number on request

Screw anchor



For item numbers of fastening elements, see page 16

Sample order

- 1 Hahn Universal Hinge Serie 60 AT  
 2-piece  
 Bore hole gauge 62.5 mm  
 Pivoting point 36 mm

*Assigned number as per product overview: M702* \_\_\_\_\_

M7 02
- 2 RAL 9010 coated



















































M7 02 4
- 3 Industry package PU = 24

M7 02 4  000



















































Alternative designs and combinations based on installation drawing or their description: Designs and combinations receive individual stock numbers.







## Anchor screw

Variation			Item number	PU for*	Variation			Item number	PU for*
	37.5 mm	Steel	VP02A0012	 1		37.5 mm	Stainless steel	VP02A0013	 1
			VP03A0012	 1				VP03A0013	 1
	Effective length		VP02B0012	 24		Effective length		VP02B0013	 24
			VP03C0012	 18				VP03C0013	 18
	48 mm	Steel	VP02A0014	 1		48 mm	Stainless steel	VP02A0015	 1
			VP03A0014	 1				VP03A0015	 1
	Effective length		VP02B0014	 24		Effective length		VP02B0015	 24
			VP03C0014	 18				VP03C0015	 18
	58 mm	Steel	VP02A0016	 1		58 mm	Stainless steel	VP02A0017	 1
			VP03A0016	 1				VP03A0017	 1
	Effective length		VP02B0016	 24		Effective length		VP02B0017	 24
			VP03C0016	 18				VP03C0017	 18
	74 mm	Steel	VP02A0019	 1		74 mm	Stainless steel	VP02A0020	 1
			VP03A0019	 1				VP03A0020	 1
	Effective length		VP02B0019	 24		Effective length		VP02B0020	 24
			VP03C0019	 18				VP03C0020	 18
	58 mm	For steel profiles	VP02A0018	 1		58 mm	For steel profiles	VP02A0018	 1
			VP03A0018	 1				VP03A0018	 1
	Effective length		VP02B0018	 24		Effective length		VP02B0018	 24
			VP03C0018	 18				VP03C0018	 18

## Screw anchor

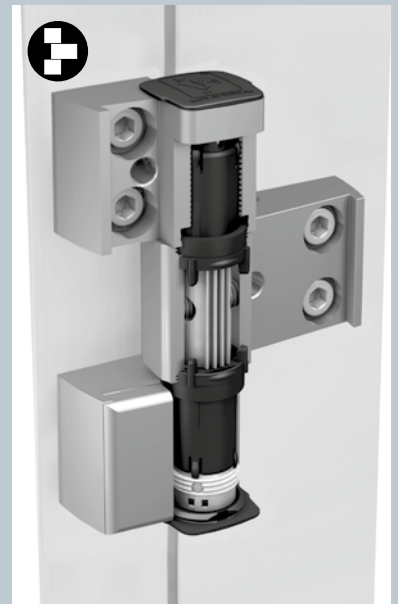
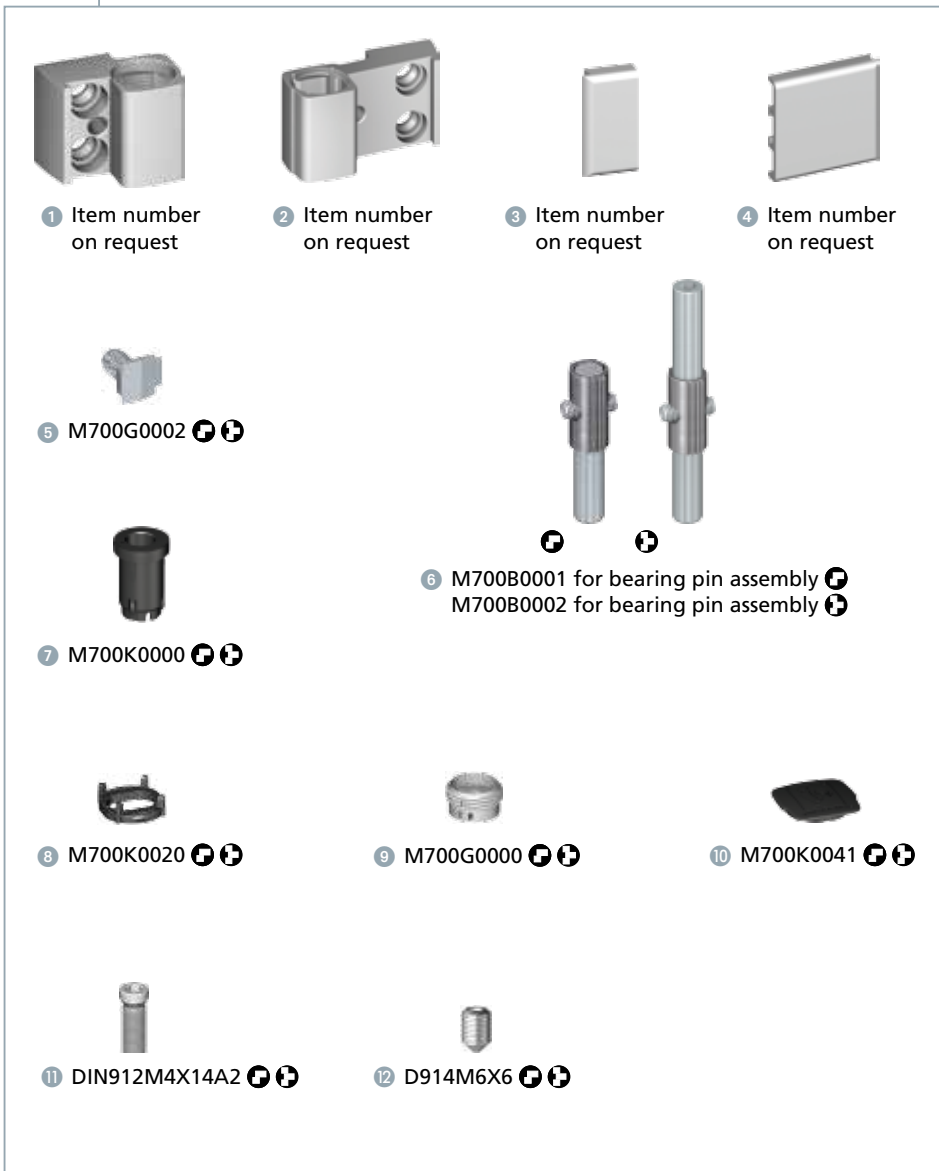
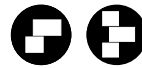
	36 mm	Steel	VP02A0003	 1		36 mm	Stainless steel	VP02A0004	 1
			VP03A0003	 1				VP03A0004	 1
	Effective length		VP02B0003	 24		Effective length		VP02B0004	 24
			VP03C0003	 18				VP03C0004	 18
	41 mm	Steel	VP02A0005	 1		41 mm	Stainless steel	VP02A0006	 1
			VP03A0005	 1				VP03A0006	 1
	Effective length		VP02B0005	 24		Effective length		VP02B0006	 24
			VP03C0005	 18				VP03C0006	 18
	51 mm	Steel	VP02A0007	 1		51 mm	Stainless steel	VP02A0008	 1
			VP03A0007	 1				VP03A0008	 1
	Effective length		VP02B0007	 24		Effective length		VP02B0008	 24
			VP03C0007	 18				VP03C0008	 18
	55 mm	Steel	VP02A0010	 1		55 mm	Stainless steel	VP02A0011	 1
			VP03A0010	 1				VP03A0011	 1
	Effective length		VP02B0010	 24		Effective length		VP02B0011	 24
			VP03C0010	 18				VP03C0011	 18
	51 mm	For steel profiles	VP02A0009	 1		51 mm	For steel profiles	VP02A0009	 1
			VP03A0009	 1				VP03A0009	 1
	Effective length		VP02B0009	 24		Effective length		VP02B0009	 24
			VP03C0009	 18				VP03C0009	 18

## Mounting plate

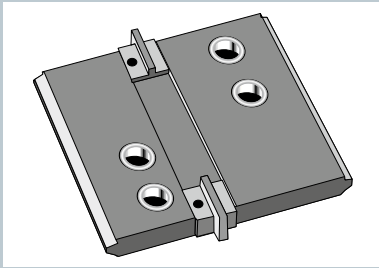
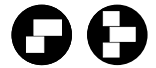
 15	VP02A0000	 1	 21	VP02A0001	 1
	VP03A0000	 1		VP03A0001	 1
	VP02B0000	 24		VP02B0001	 24
	VP03C0000	 18		VP03C0001	 18

\* PU for = Packing unit for indicated number of hinges





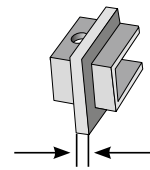
- ① Frame hinge blade
- ② Door hinge blade
- ③ Cover strip for frame hinge blade
- ④ Cover strip for door hinge blade
- ⑤ Tension bolt
- ⑥ Bearing pin
- ⑦ Bearing bushing
- ⑧ Upthrust washer
- ⑨ Lifting and lowering spindle
- ⑩ Cap
- ⑪ Screw M4 x 14
- ⑫ Set-screw M6 x 6



Drilling jig consisting of:

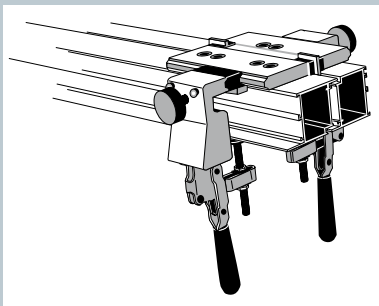
- 1 drill plate
- 3 pairs of spacers for shadow groove (4, 5 and 6 mm)
- 2 grooved pins Ø 5 mm for self-installation

Spacers



4 mm, 5 mm or 6 mm

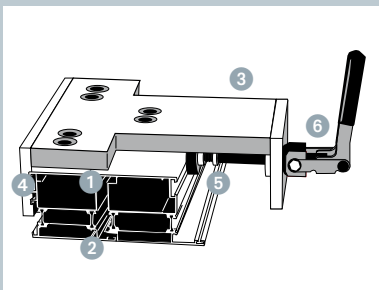
Item numbers see page 10



Add-on set for setting up a quick-clamping drilling jig consisting of:

- 2 clamping units
- 2 large spacers with 4 screws M6 x 75
- 1 small spacer with 2 screws M6 x 60
- 4 screws M6 x 40 (for installation without spacers)

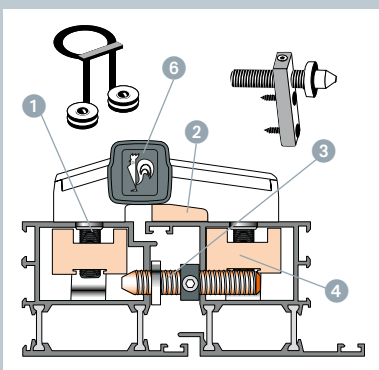
The add-on set is mounted on the existing drilling jig.  
The quick-clamping drilling jig is suited for projected widths up to approx. 90 mm (frame) or approx. 110 mm (leaf).



Quick-clamping drilling jig


- 1 Omission of spacers on the hinge side
- 2 No longer necessary to twist sections
- 3 Less clamping tools – no complicated fastening of drilling jig with screw clamps
- 4 Section-fitted mounting
- 5 Plastic pressure disk to prevent damage to section
- 6 Pretension adjustable to section tolerances

Please contact us if you would like to order a quick-clamping drilling jig.

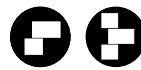


Special accessories for intrusion protection

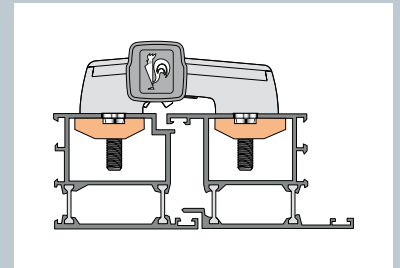
(Special design for intrusion-resistant doors)

- 1 Set of balls for securing the hexagon sockets of fastening screws for doors that open outwards
- 2 Plate to support the hinge blade on the section
- 3 Collared safety mandrel to prevent the door from being forced open
- 4 Section-based mounting plates
- 5 Snap-off screw 
- 6 Saw-resistant bearing pin

For item numbers see overleaf



Wide mounting plates for thin-walled steel sections



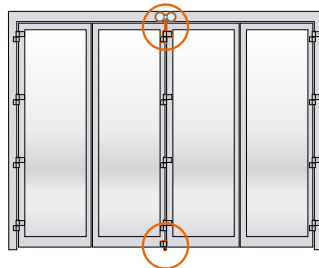
Special rust-proof version

Mounting plate



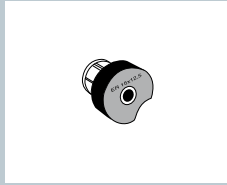
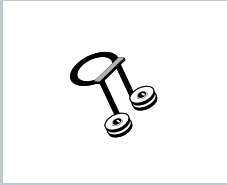
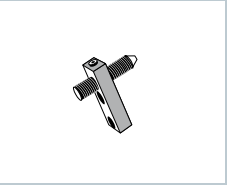
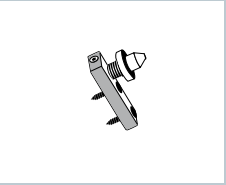
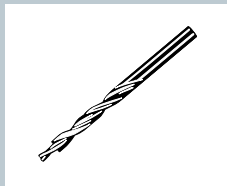


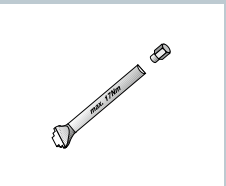

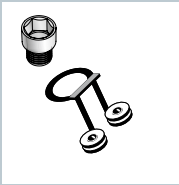
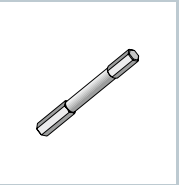
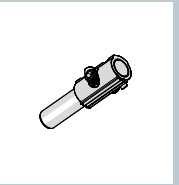
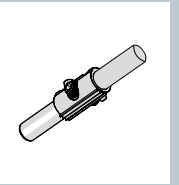
Folding door hinges

Hinge for roller unit,  
suitable for folding door hinges  
**M12 and M16**



# Hahn Serie 60 AT

## Item numbers Accessories

Slip-type drill bush 5 mm/11 mm	Ball set PU=40 balls, 2 each in special holder	Safety mandrel	Safety mandrel with collar	
				
A650A0056	A850A0011	A650A0017	A850A0000	
Step drill 11 mm diameter	Counterbore 11 mm/15 mm	Special screw driver for adjustable spacing collar	BIT screw driver for adjustable spacing collar	
				
A650A0035	A650A0033	A650A0036	A650A0037	
Drawing tool (for 3-piece hinges)	Security kit (for 3-piece hinges) PU=4 balls, 2 each in special holder	Special bit for screw anchors and fastening screws	Saw-resistant bearing pin (for 2-piece hinges) PU=24 pieces	Saw-resistant bearing pin (for 3-piece hinges) PU=24 pieces
				
A850A0015	A650A0107	A750A0027	M750A0023	M750A0024

In the standard delivery condition, Hahn Serie 60 AT is always delivered without fastening elements. Hahn hinge and Hahn fastening elements are ideally geared to each other. Please note that due to this, product warranty for the proper functionality of the products is subject to the use of both original products. Dr. Hahn does not assume liability if third-party products are used.

**Please note:** Hahn Serie 60 AT is offered with pivoting points up to 36 mm. If through any further processing higher pivoting points are achieved the producer's liability becomes void.