



## JIGS, FIXTURES AND TOOLS

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Machining Dynamic Elements

General Tools

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- For rapid and precise profile machining
- Simple handling on pillar drills

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### T-Slot Opener 8N

- For opening closed grooves quickly and carefully
- For Profiles 8 and X 8 with removable groove covering

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### T-Slot Deburrer 8N

- For smoothing the edges of grooves that have been opened
- Adjustable shaft length for ergonomic working practices

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- The easy and reliable way to press Lip Seals into place
- Suitable roller size for a range of profile sizes

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- For adjusting the eccentrics on roller guides and C-Rail Guides
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- Designed specifically for use with profiles and fastening elements from item
- Also models suitable for difficult-to-reach screws

593



### Key Insert

- For checking the tightening torque of screw fastenings under heavy loads

595



### Security L-Key Set

- For all security fastenings using item's special bolts

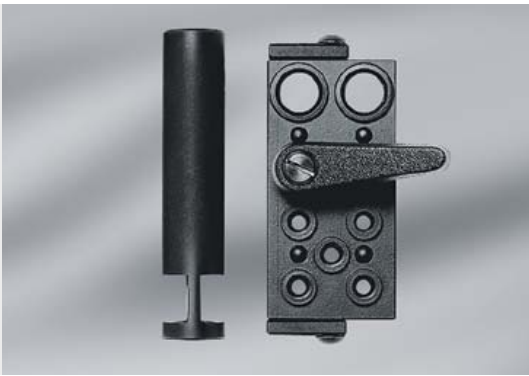
596



### Multi-Purpose Pliers

- For cutting plastic, rubber, wood and thin aluminium
- The easy way to cut Cover Profile PP to length

596

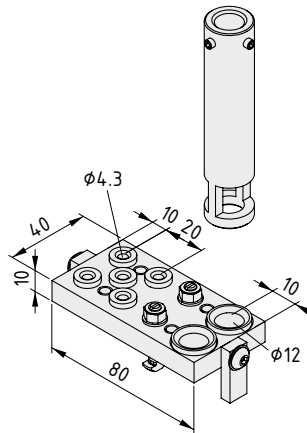


## Drilling Jigs and Step Drills Standard Connection and Universal Connection

- For rapid and precise profile machining
- Simple handling on pillar drills



Drilling Jigs for precisely positioned machining of profiles with the required through holes for Standard Fasteners and Universal Fasteners.



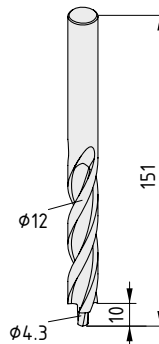
### Drilling Jig 5



St, black  
 Drill bushes, St, hardened and polished  
 Slewable longitudinal limit stop  
 Clamp attachment on the profile  
 Depth limit stop for the Step Drill  
 m = 390.0 g

1 pce.

0.0.370.19



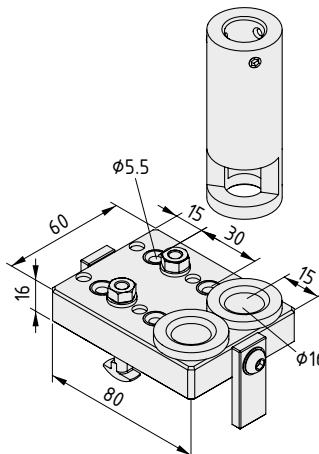
### Step Drill, Universal Connection 5



High-performance, high-speed steel  
 Shaft:  $\varnothing$  12 mm  
 m = 80.0 g

1 pce.

0.0.370.35



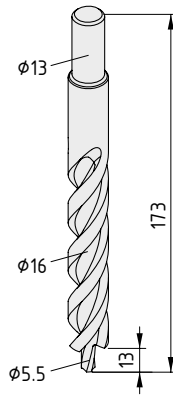
### Drilling Jig 6



St, black  
 Drill bushes, St, hardened and polished  
 Slewable longitudinal limit stop  
 Clamp attachment on the profile  
 Depth limit stop for the Step Drill  
 m = 832.0 g

1 pce.

0.0.434.25

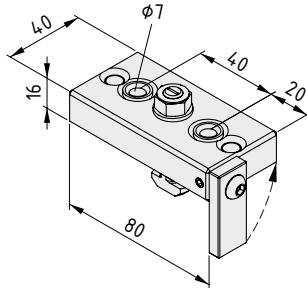


**Step Drill, Universal Connection 6**



High-performance, high-speed steel  
 Shaft:  $\varnothing$  13 mm  
 m = 150.0 g

1 pce. 0.0.431.19

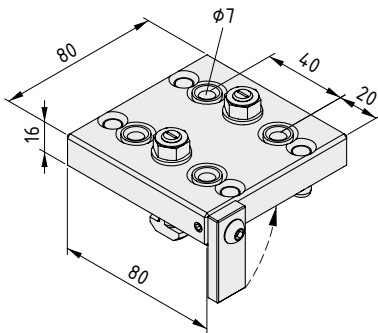


**Drilling Jig 8, small, Standard Connection 8**



St, black  
 Drill bushes, St, hardened and polished  
 Slewable longitudinal limit stop  
 Clamp attachment on the profile  
 m = 420.0 g

1 pce. 0.0.026.09

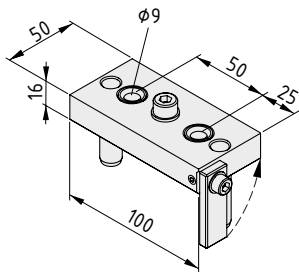


**Drilling Jig 8, large, Standard Connection 8**



St, black  
 Drill bushes, St, hardened and polished  
 Slewable longitudinal limit stop  
 Clamp attachment on the profile  
 m = 810.0 g

1 pce. 0.0.026.19

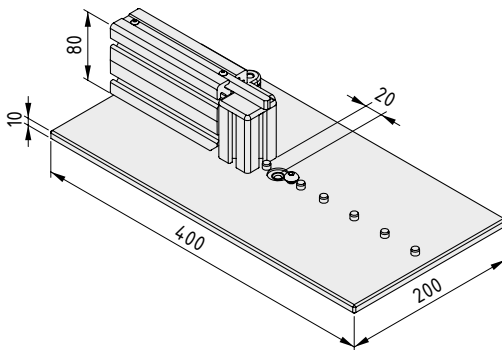


**Drilling Jig 10, small, Standard Connection 10**



St, black  
 Drill bushes, St, hardened and ground  
 Fold-out longitudinal limit stop  
 Clamp fastening for profile  
 m = 662.0 g

1 pce. 0.0.632.12

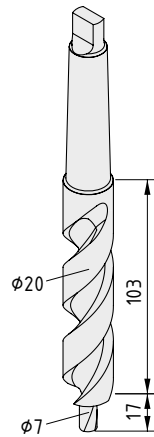


**Drilling Jig 8**



Base plate, plastic, green  
 Profile, Al, anodized, natural  
 Drill bush, St, hardened and polished  
 Slewable stop  
 Profile-guide elements  
 m = 2.3 kg

1 pce. 0.0.026.91

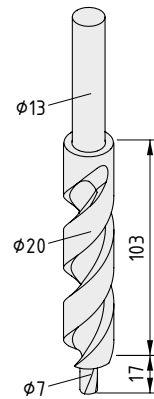


**Step Drill, Universal Connection 8, MT2**



High-performance, high-speed steel  
Taper shank: MT 2  
m = 260.0 g

1 pce. 0.0.026.90

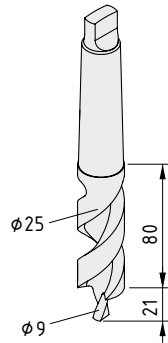


**Step Drill, Universal Connection 8, D13**



High-performance, high-speed steel  
Shaft: Ø 13 mm  
m = 240.0 g

1 pce. 0.0.465.90

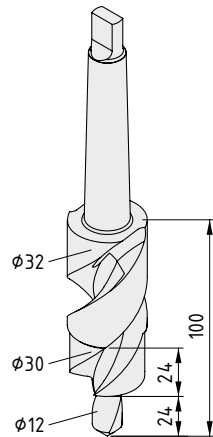


**Step Drill, Universal Connection 10**



High-performance, high-speed steel  
Taper shank: MT 3  
m = 431.0 g

1 pce. 0.0.632.09



**Step Drill with tapered countersink, Universal Connection 12**



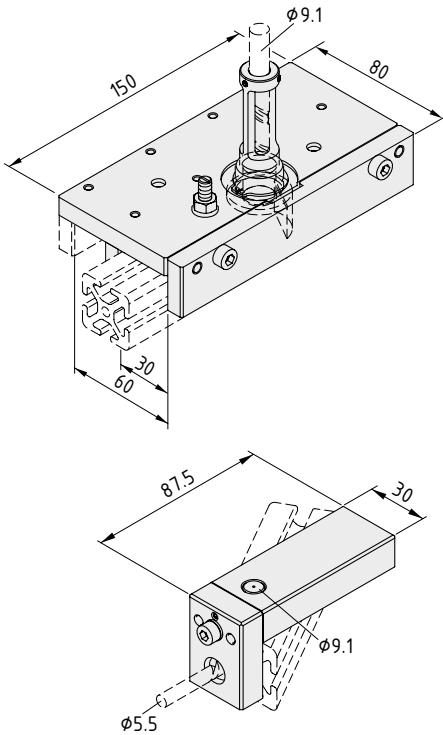
High-performance, high-speed steel  
Taper shank: MT3  
m = 550.0 g

1 pce. 0.0.014.03



## Drilling Jig and Step Drill Mitre Connection and Central Fastening

- Straightforward profile machining for Mitre-Fastening Set and Central-Fastening Set
- Suitable for any mitre angle
- For cutting the correct bore in the cut profile



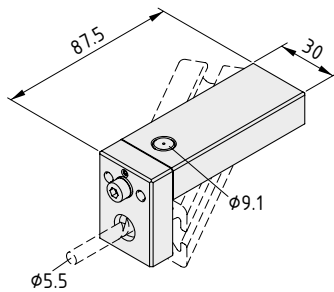
### Drilling Jig, Mitre Connection 6 D9.1



St, black  
Depth limit stop  
Notes on Use and Installation  
m = 1.3 kg

1 pce.

0.0.616.77



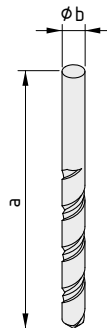
### Drilling Jig, Mitre Connection 6 D5.5



St, black  
Depth limit stop  
Notes on Use and Installation  
m = 390.0 g

1 pce.

0.0.616.89



### Drill D9.1

High-performance, high-speed steel  
a = 125 mm    b = 9.1 mm    m = 63.0 g

1 pce.

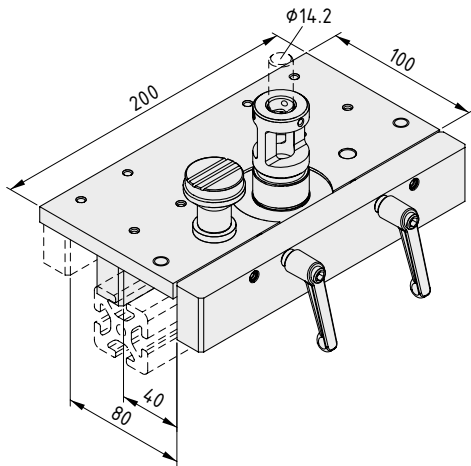
0.0.628.25

### Drill D5.5

High-performance, high-speed steel  
a = 93 mm    b = 5.5 mm    m = 18.0 g

1 pce.

0.0.628.55

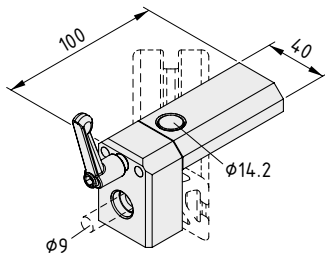


**Drilling Jig Mitre Connection 8 D14.2**



St, black  
 Depth limit stop  
 Notes on Use and Installation  
 m = 1.8 kg

1 pce. 0.0.493.72

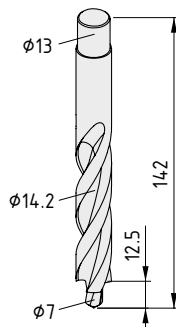


**Drilling Jig Mitre Connection 8 D9**



St, black  
 Notes on Use and Installation  
 m = 0.8 kg

1 pce. 0.0.493.71

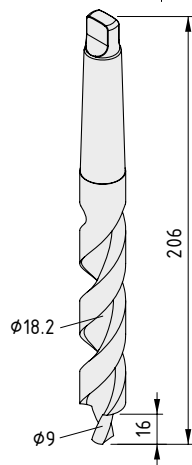


**Step Drill, Mitre Connection 8**



High-performance, high-speed steel  
 m = 104.0 g

1 pce. 0.0.492.60



**Step Drill Central-Fastening Set 10**



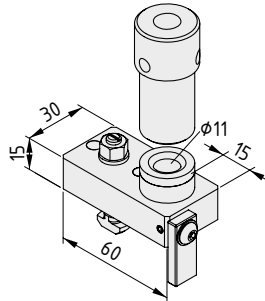
High-performance, high-speed steel  
 Taper shank DIN 228-MK-B2 AT6  
 m = 244.0 g

1 pce. 0.0.632.75



## Drilling Jigs and Step Drills Clamp Profiles

- For machining profiles when creating a 90° connection between Clamp Profiles 6 30x30 and 8 40x40



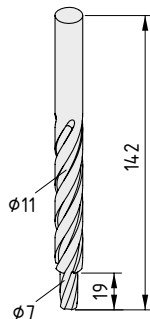
### Drilling Jig 6, Clamp Profile 6 30x30



St, black  
Drill bush, St, hardened and polished  
Slewable longitudinal limit stop  
Clamp attachment on the profile  
Depth limit stop for the Step Drill  
m = 388.0 g

1 pce.

0.0.434.23



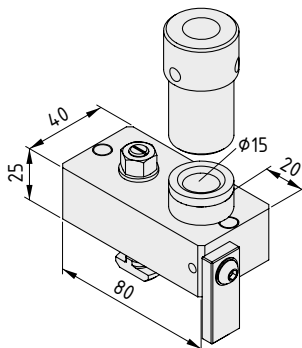
### Step Drill, Clamp Profile 6 30x30



High-performance, high-speed steel  
Shaft:  $\varnothing$  11 mm  
m = 63.0 g

1 pce.

0.0.431.20



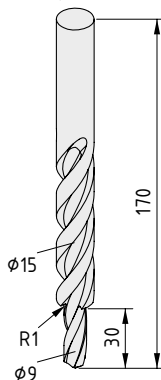
### Drilling Jig 8, Clamp Profile 8 40x40



St, black  
Drill bush, St, hardened and polished  
Slewable longitudinal limit stop  
Clamp attachment on the profile  
Depth limit stop for the Step Drill  
m = 880.0 g

1 pce.

0.0.265.22



### Step Drill, Clamp Profile 8 40x40



High-performance, high-speed steel  
Shaft:  $\varnothing$  15 mm  
m = 150.0 g

1 pce.

0.0.265.21





## Drilling Unit

**Straightforward profile machining on site**

- Drilling Stands for simplified profile machining without a pillar drill
- Fasten direct to the profile
- Adapter for various profile lines



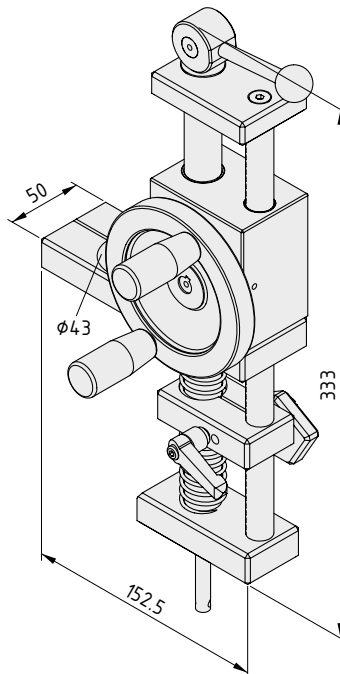
Stepped bore for the Universal-Fastening Set.



Through hole and thread for the Standard-Fastening Set.



The Drilling Unit can be operated with a commercially available drilling machine with European mount ( $\varnothing$  43 mm). A machine with electronic speed control, R/L operation and 2-speed gearing is recommended.

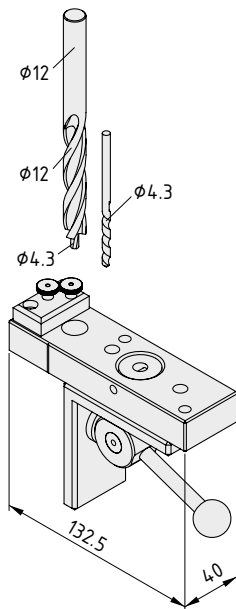


### Drilling Unit, Drilling Stand

St  
Notes on Use and Installation  
m = 3.0 kg

1 pce.

0.0.465.88



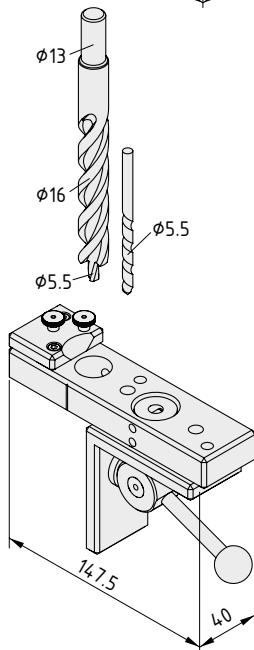
### Drilling Unit, Drilling Adapter Set 5



Adapter Plate, St, black  
 Angle Bracket, St, black  
 Step Drill, Universal Connection 5, high-performance, high-speed steel  
 Drill Ø 4.3 DIN 338, high-performance, high-speed steel  
 m = 1.2 kg

1 set

0.0.464.30



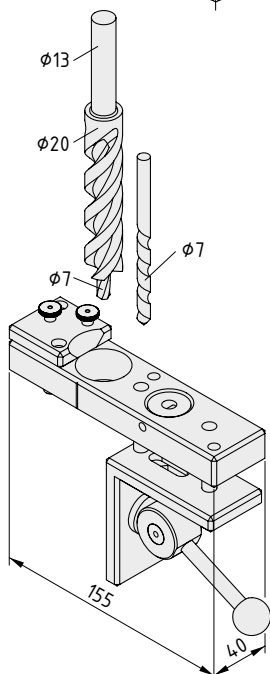
### Drilling Unit, Drilling Adapter Set 6



Adapter Plate, St, black  
 Angle Bracket, St, black  
 Step Drill, Universal Connection 6, high-performance, high-speed steel  
 Drill Ø 5.5 DIN 338, high-performance, high-speed steel  
 m = 1.3 kg

1 set

0.0.459.33



### Drilling Unit, Drilling Adapter Set 8



Adapter Plate, St, black  
 Angle Bracket, St, black  
 Step Drill, Universal Connection 8, high-performance, high-speed steel  
 Drill Ø 7 DIN 338, high-performance, high-speed steel  
 m = 1.3 kg

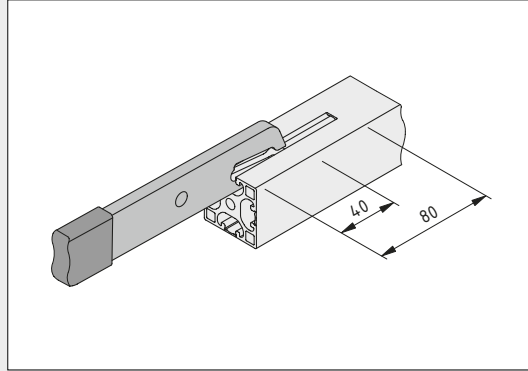
1 set

0.0.465.89



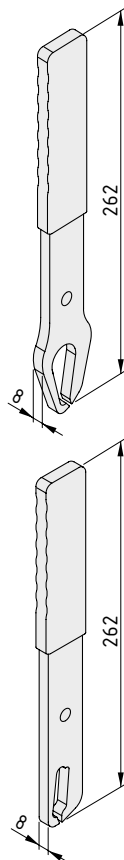
## T-Slot Opener 8N

- For opening closed grooves quickly and carefully
- For Profiles 8 and X 8 with removable groove covering



T-Slot Opener 8N is used to remove the groove cover over any length beginning from the end face of the profile or any other opening of sufficient size. If the opening does not extend to the end of the profile, the end of the opening must be defined with a hole of  $\varnothing$  9.2 mm.

T-Slot Opener 8N for Standard-Fastening Set:  
Each levering movement will open the profile groove over the length of a Standard-Fastening Set 8.



### T-Slot Opener 8N



St, galvanized  
Handle, PVC  
m = 580.0 g

1 pce.

0.0.612.88

### T-Slot Opener 8N for Standard-Fastening Set



St, galvanized  
Handle, PVC  
m = 500.0 g

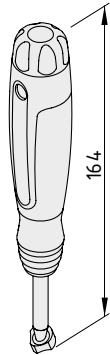
1 pce.

0.0.612.89



### T-Slot Deburrer 8N

- For smoothing the edges of grooves that have been opened
- Adjustable shaft length for ergonomic working practices



#### T-Slot Deburrer 8N



m = 88.0 g

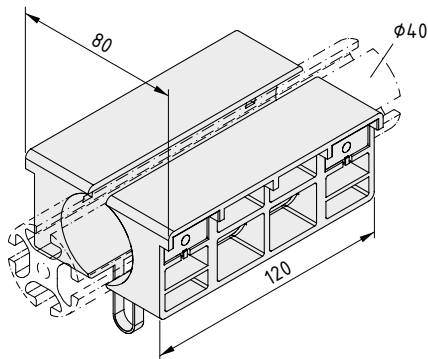
1 pce.

0.0.612.47



### Clamping Jaws D40

- For careful machining of profiles with the cylindrical D40 cross-section
- Simple and rapid clamping in a vice



#### Clamping Jaws D40

PA  
4 magnetic inserts  
m = 185.0 g

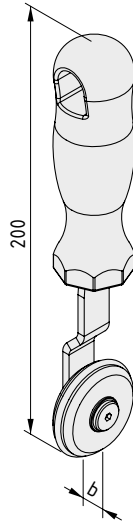
1 pce.

1.0.003.75



## Assembly Tool Lip Seal

- The easy and reliable way to press Lip Seals into place
- Suitable roller size for a range of profile sizes



### Assembly Tool Lip Seal 5



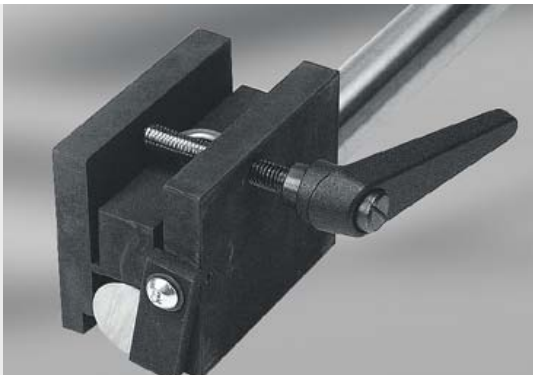
Roller, PA  
 Bolt, St  
 Button-Head Screw ISO 7380-M5x10  
 Handle, PA  
 b = 11 mm      m = 85.0 g

1 pce. 0.0.484.40

### Lip Seal Assembly Tool 6-12

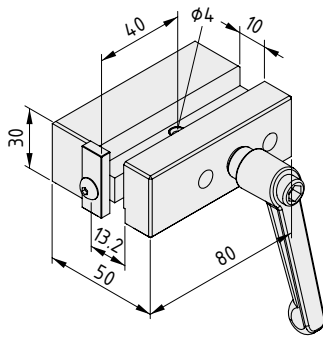
Roller, PA  
 Bolt, St  
 Button-Head Screw ISO 7380-M5x10  
 Handle, PA  
 b = 8 mm      m = 81.0 g

1 pce. 0.0.493.28



## Combination Drilling Jigs

- For easier machining of Shafts, Shaft-Clamp Profiles and Support Profiles
- For cutting precisely positioned fixing bores



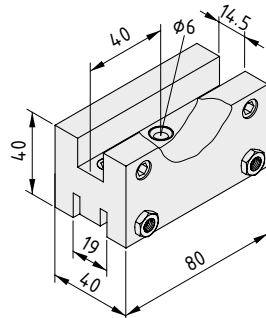
### Combination Drilling Jig for Shaft D10



St, black  
 Drill bush, St, hardened and polished  
 Clamp lever  
 Slewable longitudinal limit stop  
 m = 715.0 g

1 pce.

0.0.444.68



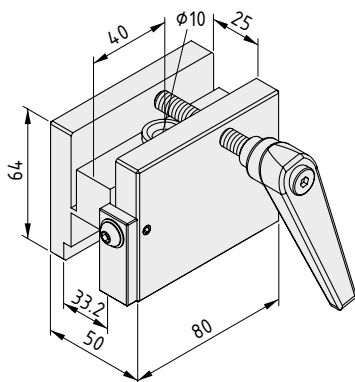
### Combination Drilling Jig for Shaft D14



St, black  
 Drill bush, St, hardened and polished  
 Clamp attachment  
 m = 780.0 g

1 pce.

0.0.373.55



### Combination Drilling Jig for Shaft D25



St, black  
 Drill bush, St, hardened and polished  
 Clamping lever  
 Slewable longitudinal limit stop  
 m = 1.4 kg

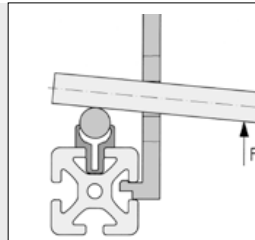
1 pce.

0.0.373.15

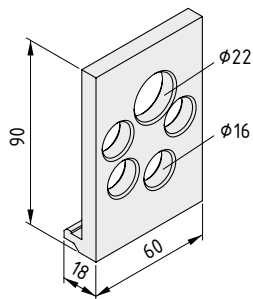


## Mounting Aid

■ The easy way to press Shafts into Shaft-Clamp Profiles



Using a round steel bar to press guiding shafts into place



### Mounting Aid for Shaft D6/D14/D25

St  
m = 270.0 g  
black, 1 pce.

0.0.265.38

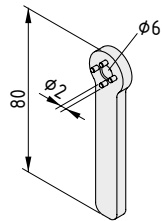


## Pin Spanners

- For adjusting the eccentrics on roller guides and C-Rail Guides



For tightening lock nuts in the Bearing Units of Roller Guides 5 D6, 8 D10, 8 D14 and 8 D25.



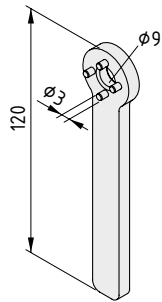
Pin Spanner 5 D6, 8 D10



St  
m = 40.0 g

black, 1 pce.

0.0.390.13



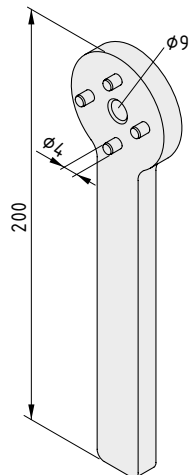
Pin Spanner 8 D14



St  
m = 90.0 g

black, 1 pce.

0.0.294.41



Pin Spanner 8 D25



St  
m = 430.0 g

black, 1 pce.

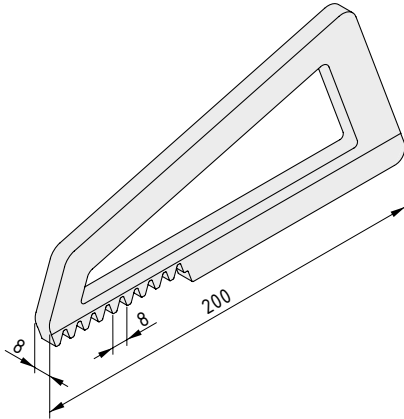
0.0.350.30





## Rack 8 Assembly Tool

- For connecting together the rack segments of a rack drive



### Rack 8 Assembly Tool



St, stainless  
m = 451.0 g

1 pce.

0.0.625.39



## Track Oil for Linear Guides Oil Can for Linear Guides Assembly Paste

- High-quality oils increase the service life of linear slides
- Ideal for product maintenance and care
- Assembly Paste reduces friction when assembling structures

The maintenance and care products from item are the perfect complement to our high-quality components. Linear slides need to be lubricated on a regular basis and fully synthetic Track Oil is the ideal product. It spreads out evenly and does not tend to gum up. The Oil Can enables you to access difficult-to-reach lubricating points.

Components made from stainless steel are extremely strong but, due to high levels of friction, can often be difficult to position during assembly. item Assembly Paste ensures that screws and profiles slot easily into position.

Track Oil and Assembly Paste are approved for contact with foodstuffs.



The special Track Oil for Linear Guides is entirely synthetic and approved for contact with foodstuffs. It is used to maintain oil-lubricated guide tracks.

Assembly Paste helps ensure screws and profiles made from stainless steel glide more easily into position. This makes it far easier to adjust components so that they are flush-mounted.

<b>Track Oil for Linear Guides</b>	
Synthetic lubrication oil ISO VG 460 Content: 250 ml (bottle) m = 285.0 g	
1 pce.	0.0.612.75
<b>Oil Can for Linear Guides</b>	
Pump-action oil dispenser Al with pointed tip Content: 200 ml m = 600.0 g	
1 pce.	0.0.612.74
<b>Assembly Paste</b>	
Contents: 100 g (tube) m = 115.0 g	
1 pce.	1.0.003.61
<b>Grease for Linear Guide Carriage Units</b>	
Contents: 250 g (tube) m = 300.0 g	
1 pce.	0.0.644.87
<b>Grease Gun for Linear Guide Carriage Unit D14</b>	
Conical adapter with needle mouthpiece Contents: 50 ml m = 150.0 g	
1 pce.	0.0.644.88



## Keys

- Designed specifically for use with profiles and fastening elements from item
- Also models suitable for difficult-to-reach screws

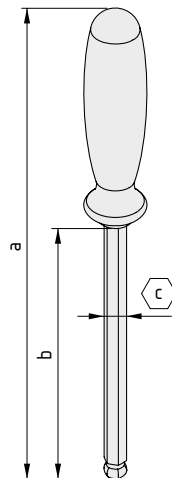
Ball-Headed Keys are particularly suitable for initial tightening and for screws which are difficult to reach (tightening angles up to 25°).

Keys with T-Handle and L-Keys are suitable for the maximum tightening torques of the various screws.

L-Keys are particularly suitable for tightening the screws of Universal Connections.

A special L-Key 5 A/F N is used for the Automatic-Fastening Sets 8 N.

The keys are made of high-grade chrome-vanadium steel, matt-chrome plated. The ergonomic plastic handles have an elastic coating of TPE.



Ball-Headed Key 1.5 A/F			
a [mm]	b [mm]	c [mm]	m [g]
179	75	1.5	29.0
1 pce.			0.0.473.79

Ball-Headed Key 2 A/F			
a [mm]	b [mm]	c [mm]	m [g]
204	100	2	30.0
1 pce.			0.0.473.78

Ball-Headed Key 3 A/F			
a [mm]	b [mm]	c [mm]	m [g]
204	100	3	30.0
1 pce.			0.0.370.58

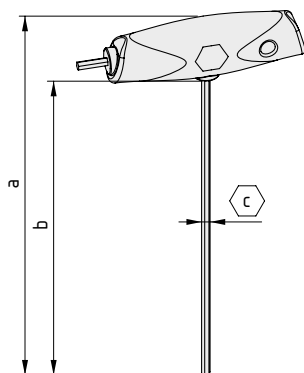
Ball-Headed Key 4 A/F			
a [mm]	b [mm]	c [mm]	m [g]
211	100	4	54.0
1 pce.			0.0.406.60

Ball-Headed Key 5 A/F			
a [mm]	b [mm]	c [mm]	m [g]
211	100	5	64.0
1 pce.			0.0.026.54

Ball-Headed Key 6 A/F			
a [mm]	b [mm]	c [mm]	m [g]
243	125	6	105.0
1 pce.			0.0.406.61

Ball-Headed Key 8 A/F			
a [mm]	b [mm]	c [mm]	m [g]
268	150	8	150.0
1 pce.			0.0.480.34

Ball-Headed Key 10 A/F			
a [mm]	b [mm]	c [mm]	m [g]
271	150	10	211.0
1 pce.			0.0.480.35



Key with T-Handle 3 A/F			
a [mm]	b [mm]	c [mm]	m [g]
170	145	3	33.0
1 pce.			0.0.370.59

Key with T-Handle 4 A/F			
a [mm]	b [mm]	c [mm]	m [g]
170	145	4	45.0
1 pce.			0.0.406.39

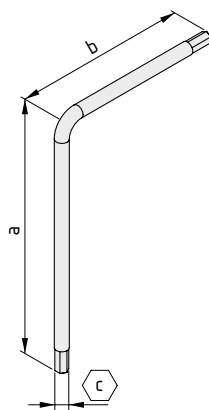
Key with T-Handle 5 A/F			
a [mm]	b [mm]	c [mm]	m [g]
230	195	5	90.0
1 pce.			0.0.026.29

Key with T-Handle 6 A/F			
a [mm]	b [mm]	c [mm]	m [g]
230	195	6	110.0
1 pce.			0.0.406.38

Key with T-Handle 8 A/F			
a [mm]	b [mm]	c [mm]	m [g]
330	295	8	200.0
1 pce.			0.0.480.36

Key with T-Handle 10 A/F			
a [mm]	b [mm]	c [mm]	m [g]
330	295	10	320.0
1 pce.			0.0.480.37

Materials used in all the following products:  
 Chrome vanadium steel, matt chrome-plated



L-Key 3 A/F			
a [mm]	b [mm]	c [mm]	m [g]
93	66	3	9.0
1 pce.			0.0.440.73

L-Key 4 A/F			
a [mm]	b [mm]	c [mm]	m [g]
109	74	4	19.0
1 pce.			0.0.440.74

L-Key 5 A/F			
a [mm]	b [mm]	c [mm]	m [g]
125	85	5	34.0
1 pce.			0.0.026.89

L-Key 5 A/F N			
a [mm]	b [mm]	c [mm]	m [g]
163	20	5	30.0
1 pce.			0.0.492.59

L-Key 6 A/F			
a [mm]	b [mm]	c [mm]	m [g]
200	160	6	150.0
1 pce.			0.0.007.01

L-Key 8 A/F			
a [mm]	b [mm]	c [mm]	m [g]
300	200	8	300.0
1 pce.			0.0.007.12



## Key Inserts

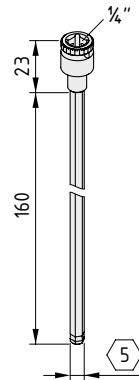
- For checking the tightening torque of screw fastenings under heavy loads



The key insert 5 is suitable for item profile fastenings with 5 A/F hexagon sockets (e.g. Universal-Fastening Sets 8 and Automatic-Fastening Sets 8). The special shape of the tip enables users to turn the key from outside the groove, thereby ensuring that tightening our best fasteners is effortless.

With a 1/4" square drive for use with torque wrenches.

Key insert 8 A/F-1/2" enables the use of a torque wrench with 1/2" square drive to check the tightening torques of Universal Connections 12.



### Key Insert 5 A/F-1/4"

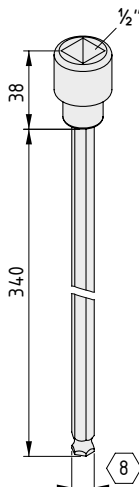


Chrome vanadium steel, matt chrome-plated

m = 39,0 g

chrome-plated, 1 pce.

0.0.644.68



### Key Insert 8 A/F-1/2"



Chrome vanadium steel, matt chrome-plated

m = 320,0 g

1 pce.

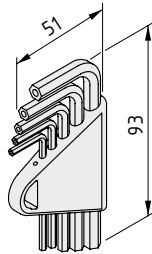
0.0.007.47



## Security L-Key Set 2.5-6 A/F

- For all security fastenings using item's special bolts

For all item security bolts: L-Keys that give authorized personnel the access they need.



### Security L-Key Set 2.5-6 A/F

Chrome vanadium steel, black  
In plastic holder, black  
m = 75.0 g

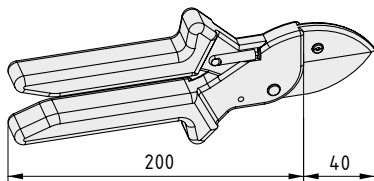
1 set

0.0.627.48



## Multi-Purpose Pliers

Pliers for cutting Cover Profiles or similar elements made from rubber, leather, plastic, wood or aluminium.



### Multi-Purpose Pliers

Scissor body, sheet steel, bright nickel-plated  
Blade, special steel  
Anvil, light steel  
Handle plastic-coated, non-slip design  
m = 300.0 g

1 pce.

0.0.265.63