

TRUMPF power fasteners:

Fasten
faster
and cheaper.

Fastening





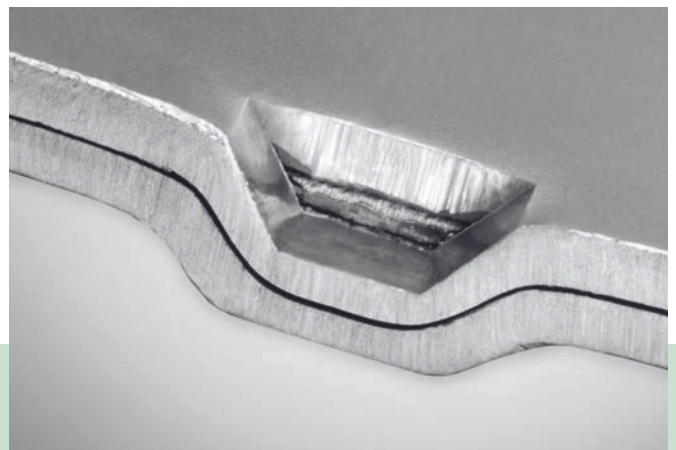
Whether in HVAC or in container and equipment construction, joining is probably the simplest and most cost-effective way to connect two metal parts. The TRUMPF power fastener uses a unique cold-forming technology to punch a small dimple into both sheets and immediately you have an astonishingly stable, long-lasting connection. No screws, no rivets, no emissions, no preparation or cleanup work.

Perfect: the tilting arm.

For special applications like all-around joining, such as in duct construction, the TRUMPF TruTool TF 350 power fastener has a tilting arm. That allows you simply to open the upper tool. It really doesn't get any easier.

Particular strengths:

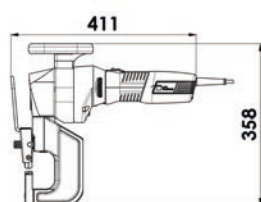
- For form-fitting, corrosion-resistant joining
- Replaces connecting fasteners like rivets and screws
- Unbeatably fast process
- Minimal setup time
- Joining of different materials, as well as coated and uncoated workpieces
- Can be used on construction sites or on the assembly line



Fastening

Power fasteners (power tools)

TruTool TF 350



- Rapid stroke rate – up to two joining points per second
- High tool life with correspondingly high efficiency
- Powerful 1400 Watt motor
- Can be ordered with or without tool

Technical Data TruTool TF 350

Max. sheet thickness		230 V	110 V
Steel 400 N/mm ²	mm	3.5	3.5
Steel 600 N/mm ²	mm	2.5	2.5
Aluminium 250 N/mm ²	mm	4	4
Minimum sheet thickness	mm	0.8	0.8
Locking power max.	kN	25	25
Max. stroke power	1/s	2	2
Edge clearance min.	mm	8	8
Edge clearance max.	mm	58	58
Flange height max.	mm	36	36
Rated input power	W	1400	1140
Weight without cable	kg	8.3	8.3

Accessories TruTool TF 350

Included accessories

Punch		integrated
Tilting arm for punch		0128748
Die arm fixed No. 3 (incl. die)	sheet thickness 3.1 – 3.5 mm	0118132
Stripper for straight sheets		integrated
Stripper for ducts		0112929
Hex head wrench	DIN 911-6	0067865
Hex head wrench	DIN 911-5	0067857
Hex head wrench	DIN 911-3	0067830
Grease gun (filled with «G1»)		1369906
*Battery Li (2 pieces)	28 V	integrated
*Battery charger CLi	220 – 240 V	1464702
*Battery charger CLi	120 V	1464703
*Carrying case		1470181

Available accessories

Punch	(1 piece, 1884902)	(set of 2, 1264160)
Die 1	Sheet thickness 0.8 – 1.5 mm	0111969
Die 2	Sheet thickness 1.6 – 2 mm	0111968
Die 2+	Sheet thickness 2.1 – 2.5 mm	0122272
Die 3–	Sheet thickness 2.6 – 3 mm	1884875
Die 3	Sheet thickness 3.1 – 3.5 mm	0111967
Stripper for straight sheets		0053649
*Battery Li (1 piece)	28 V	1464697

Further options

Tilting arm for die 1, complete	Sheet thickness 0.8 – 1.5 mm	0128792
Tilting arm for die 2, complete	Sheet thickness 1.6 – 2 mm	0128793
Tilting arm for die 2+, complete	Sheet thickness 2.1 – 2.5 mm	0129723
Tilting arm for die 3–, complete	Sheet thickness 2.6 – 3 mm	0129724
Tilting arm for die 3, complete	Sheet thickness 3.1 – 3.5 mm	0128794
Fixed arm for die 1	Sheet thickness 0.8 – 1.5 mm	0118130
Fixed arm for die 2	Sheet thickness 1.6 – 2 mm	0118131
Fixed arm for die 2+	Sheet thickness 2.1 – 2.5 mm	0129763
Fixed arm for die 3–	Sheet thickness 2.6 – 3 mm	0129764
Fixed arm for die 3	Sheet thickness 3.1 – 3.5 mm	0118132
Tilting arm for punch, complete		0128748
Fixed arm for punch		0118129
Plate spring		0030678
Spring element, complete		0249303
Plate		1884876
Plate for ducts		0243189
Punch and nibble oil for steel	500 ml bottle	0103387
Punch and nibble oil for aluminum	1000 ml bottle	0125874
Rotating assembly		0976671
Working station	for fixed machining	1224803
Grease «G1»	250 g	1446686
Grease «G1»	900 g	0139440

* for cordless version

Fastening Power fasteners (power tools)



Punch



Tilting arm for punch complete



Fixed punch arm



Die
According to the material thickness different dies are available



Tilting arm for die
Selectable with the desired die 1, 2, 2+, 3- or 3



Die fixed arm
Selectable with the desired die 1, 2, 2+, 3- or 3



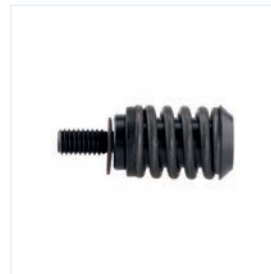
Plate for ducts
Facilitates connection with the flange profiles



Stripper for ducts



Stripper for straight sheets



Spring element complete
For tilting arm

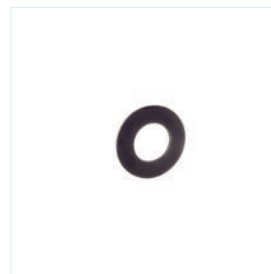


Plate spring



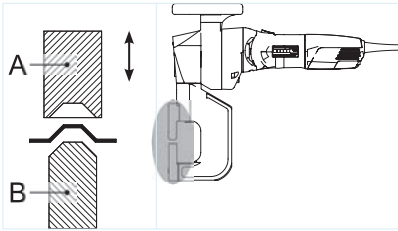
Rotating assembly
Hanger for TruTool TF 350.
Comfortable machining with maximum mobility.

Fastening

Power fasteners

Tool selection

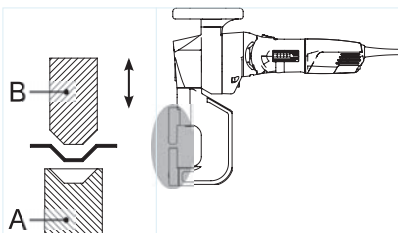
Depending on the application, the TruTool TF 350 can be fitted with tools in various ways.
 Depending on the material type and thickness, various material types are available.
 A special tool holder (= fixed arm or tilting arm) serving as the matrix receiver belongs to every matrix type.



A. Die
B. Punch

1. Select material
2. Select overall material thickness
3. Select tool above (A):
 - tilting arm for die complete or
 - fixed arm for die complete
4. Select tool below (B):
 - fixed arm for punch

Material	Sheet thickness in mm				
	0.8 – 1.5	1.6 – 2	2.1 – 2.5	2.6 – 3	3.1 – 3.5
1 { Steel 400 N/mm ²	0.8 – 1.5	1.6 – 2	2.1 – 2.5	2.6 – 3	3.1 – 3.5
Steel 600 N/mm ²	0.8 – 1.5	1.6 – 2	2.1 – 2.5		
Aluminium up to 250 N/mm ²	0.8 – 1	1.1 – 2	2.1 – 3	3.1 – 4	
Die arm	1	2		3	
Die	No. 1 0111969	No. 2 0111968	No. 2+ 0122272	No. 3- 1884875	No. 3 0111967
3 { Tilting arm for die, complete	No. 1 0128792	No. 2 0128793	No. 2+ 0129723	No. 3- 0129724	No. 3 0128794
Fixed arm for die, complete	No. 1 0118130	No. 2 0118131	No. 2+ 0129763	No. 3- 0129764	No. 3 0118132
4 { Fixed arm for punch, complete			0018129		



B. Punch
A. Die

1. Select material
2. Select sheet thickness
3. Select tool above (B):
 - fixed arm for punch, complete or
 - tilting arm for punch, complete
4. Select tool below (A):
 - fixed arm for die

Material	Sheet thickness in mm				
	0.8 – 1.5	1.6 – 2	2.1 – 2.5	2.6 – 3	3.1 – 3.5
1 { Steel 400 N/mm ²	0.8 – 1.5	1.6 – 2	2.1 – 2.5	2.6 – 3	3.1 – 3.5
Steel 600 N/mm ²	0.8 – 1.5	1.6 – 2	2.1 – 2.5		
Aluminium up to 250 N/mm ²	0.8 – 1	1.1 – 2	2.1 – 3	3.1 – 4	
Die arm	1	2		3	
Die	No. 1 0111969	No. 2 0111968	No. 2+ 0122272	No. 3- 1884875	No. 3 0111967
4 { Fixed arm for die, complete	No. 1 0118130	No. 2 0118131	No. 2+ 0129763	No. 3- 0129764	No. 3 0118132
3 { Fixed arm for punch, complete			0118129		
Tilting arm for punch, complete			0128748		

Technical Data TruTool TF 350 Li-Ion battery 28 V

Max. sheet thickness

Steel 400 N/mm ²	mm	3.5
Steel 600 N/mm ²	mm	2.5
Aluminium 250 N/mm ²	mm	4
Minimum sheet thickness	mm	0.8
Locking power max.	kN	25
Max. stroke power	1 / s	2
Edge clearance min.	mm	8
Edge clearance max.	mm	58
Flange height max.	mm	36
Tension	V	28
Weight (incl. rechargeable battery)	kg	8.7



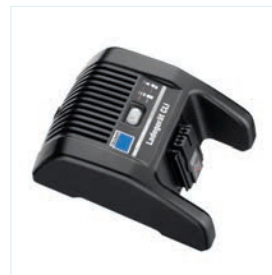
Accessories see page 70



Working station
For fast and easy joining of smaller sheet metal parts



Li-Ion-battery 28 Volt
Li-Ion battery for a long service life and consistent performance



Battery charger CLi