

Overview

electric- and cordless
power tools



Products for sheet metal processing

Innovative tools

As far back as 1934, TRUMPF began manufacturing power tools for workmen on building sites and in job shops. Today, the TRUMPF Group employs more than 11.000 people in 26 countries and is a world leading manufacturer of production technology equipment – but we have stayed true to our roots: We continue to produce innovative tools for cutting, joining and beveling sheet metal in many industries. All machines are “made in Switzerland”.



Ideas for practical use.

Professional sheet metal workers all over the world rely on the user-friendly electrical- and cordless tools from TRUMPF. Our products convince not only for their high quality, but also by the latest technology. One example: The new battery generation relies on the current 10.8 V Li-Ion battery technology combined with an optimized battery gear head. Thus, the machines achieve an exceptionally long running time.



Technical Data

TruTool		S 160 E	S 160	S 250	S 350	S 450	S 114
Max. sheet thickness							
Steel 400 N/mm ²	mm	1.6	1.6	2.5	3.5	4.5	1.6*
Steel 600 N/mm ²	mm	1	1.2	2	3	3.5	1**
Steel 800 N/mm ²	mm	0.7	1	1.5	2	2.5	
Aluminium 250 N/mm ²	mm	2	2	3	4	5	2
Working speed	m / min	2 – 7	8 – 12	4 – 7	4 – 6	4 – 6	4 – 6
Start hole diameter	mm	23	27	28	50	75	
Smallest radius	mm	20	15	20	R 30 / L 16	R 35 / L 25	60
Throat depth	mm						30
Rated input power	W	350	350	550	1400	1400	350
Strokes at nominal load	1 / min	1600	4800	1760	1600	1600	3500
Weight without cable	kg	1.9	1.6	2.2	5.6	6.2	1.9

* Spiral ducts 400 N /mm²: 4 x 0.75 mm

** Spiral ducts 600 N /mm²: 4 x 0.5 mm

TruTool		N 160 E	N 200	N 350	N 500	N 700	N 1000	
Max. sheet thickness							1 st gear	2 nd gear
Steel 400 N/mm ²	mm	1.6	2	3.5	5	7	10	8
Steel 600 N/mm ²	mm	1	1.5	2.3	3.2	5	7	5
Steel 800 N/mm ²	mm	0.7	1	1.8	2.5	3.5	5	4
Aluminium 250 N/mm ²	mm	2	2.5	3.5	7	10	12	10
Working speed	m / min	1.5	1.7	1.4	1.5	1.3	1	1.6
Start hole diameter	mm	21	17	30	41	50	75	75
Smallest radius	mm	40	4	7	90	140	300	300
Rated input power	W	350	550	1400	1400	1600	2000	2000
Strokes at nominal load	1 / min	1600	1450	720	720	300	230	370
Weight without cable	kg	1.7	1.8	3.7	4	8.3	14.7	14.7

TruTool		F 300	F 300 with 1400 W motor	F 301	F 305	TruTool		F 125
Max. sheet thickness						Max. sheet thickness		
Steel 400 N/mm ² (min.)	mm	0.75	0.75	0.45	0.45	Steel 400 N/mm ² (max)	mm	1.25
Steel 400 N/mm ² (max.)	mm	1.25	1.25	1.0	0.75	Max. edge thickness	mm	5
Flange height (B):						Edge length (H)	mm	40
sheet thickness 0.75 – 1	mm	9 – 11	9 – 11			Working speed	m / min	5 – 6
sheet thickness >1 – 1.25	mm	11 – 13	11 – 13			Rated input power	W	500
sheet thickness 0.45 – 1	mm			8 – 11		Strokes at nominal load	1 / min	1850
sheet thickness 0.45 – 0.75	mm				5 – 10	Weight without cable	kg	2.8
Working speed	m / min	4 – 7	6.5 – 10.5	4 – 7	4 – 7			
Smallest inner radius (preformed)	mm	150	150	150				
Smallest outer radius	mm	300	300	300				
Rated input power	W	550	1400	550	550			
Weight without cable	kg	5.4	6.2	5.2	5.2			

TruTool		TKF 1500		TKF 1500 with 2 speed		TKF 1500 with forward feed		TKF 1500 with forward feed and 2 speed		TKF 2000	TKF 2000 with forward feed
Bevel angles		20 – 45° / 20 – 55° *		20 – 45° / 20 – 55° *		20° – 55°		20° – 55°		20° – 55°	20° – 55°
Max. bevel height				1 st gear	2 nd gear			1 st gear	2 nd gear		
Steel 400 N/mm ²	mm	15	15	15		15	15	20		20	
Steel 500 N/mm ²	mm							16		16	
Steel 600 N/mm ²	mm	9	11	9		9	9				
Steel 800 N/mm ²	mm	6	9	6							
Sheet thickness	mm	4 – 160	4 – 160	6 – 40		6 – 40	6 – 40	10 – 50		10 – 50	
Smallest inner radius	mm	55	55	55				125		500	
Working speed	m / min	2	1.25	2	2	1.25	2	1.4		1.4	
Rated input power	W	2000	2000	2000	2000	2000	2000	2500		2500	
Strokes at nominal load	1 / min	370	230	370	370	230	370	200		200	
Weight without cable	kg	16.5	19.5	19.5	24	27	27	32.5		46	

*Bevel angles (with special stripper)

Process

Cutting

Slitting shears TruTool C

- Precision cutting
- Cutters are exchanged within seconds
- Simple exchange of cutting guide
- The right cutter for every application
- Suitable for C-L-U profiles
- Available with chip breaker

Applications:

- Air duct construction (Spiral-seam tubes)
- House-front construction
- Construction, including separation of C profiles
- Auto body shop
- Ventilation and air conditioning
- Aviation

Shears TruTool S

- Highly accurate contouring
- Chip-free cutting
- Fast precision cutting in all directions
- Clear view of work area and cutting line

Applications:

- Car-body shops
- Electrical fitters
- Plumbers
- Sanitary / Heating / Ventilation works
- Containers
- Elevators
- General sheet metal processing operations

Cutting

Nibblers and Profile nibblers TruTool N and PN

- Suitable for use with high-tensile materials
- High curve flexibility
- Excellent, emission-free processing
- Universally applicable for flat-, corrugated-, profile or trapezoidal sheet

Applications:

- General metal processing facilities
- Disassembly of tanks and containers
- Containers
- Metal encasings
- Car-body shops

Panel cutter TruTool TPC

- Precisely dimensioned, right-angle cutouts
- Interior cutouts and notches without starting drill holes
- Cuts pre-assembled panels
- Easy, non fatigue operation

Applications:

- Roofing and facade construction
- Builders
- Carpenters
- Heating-, air-conditioning and isolation contractors
- Container manufacturing and construction

Fastening

Seam lockers TruTool F

- Economical seam locking at the assembly site
- Consistently high seam quality for straight and curved ducts
- Fast, tight closing of Pittsburgh lock seams with high load capacity

Applications:

- Heating and ventilation works
- Chimney work
- House front coverings
- Industrial ventilators

Power fasteners TruTool TF

- Form lockout, corrosion-resistant, cold-forming fastening (cutting forming)
- Replaces fastening elements such as screws or rivets
- No comparison for speed machining
- For stationary and portable uses

Applications:

- Ventilation works and climate control technology
- Containers
- Electrical and chemical appliances

Bevelling

Deburrers TruTool TKA

- Fast
- Emission-free
- Oxide-free cut edge
- Applications for a variety of contours and pipes
- 30°, 45°, 60° as well as radius edges

Applications:

- Fabrication shops
- Steelwork
- Railroad cars
- Shipbuilding
- Machine manufacturing
- Commercial vehicles
- Boilers
- Job Shops for sheet metal working

Bevellers TruTool TKF

- Fast
- Emission-free
- Applications for a variety of contours and pipes
- For stationary and portable uses

Applications:

- Locksmiths
- Steelwork
- Railroad cars
- Shipbuilding
- Machine manufacturing
- Commercial vehicles
- Boilers
- Job Shops for sheet metal working

Overview tools

TruTool C 160

Also available as Li-Ion battery



\updownarrow = 1.6 mm
▲ = 1.4 kg

TruTool C 160 with chip breaker

Also available as Li-Ion battery



\updownarrow = 1.6 mm
▲ = 1.4 kg

TruTool C 250 with chip breaker

Also available as Li-Ion battery



\updownarrow = 2.5 mm
▲ = 2.0 kg

TruTool PN 200



For profiles:

\updownarrow = 2 mm
▲ = 1.8 kg

TruTool PN 201



For profiles:

\updownarrow = 2 mm
▲ = 2 kg

TruTool PN 130 Li-ion battery



\updownarrow = 1.3 mm
▲ = 1.4 kg

TruTool N 160 E with extension



For profiles:

\updownarrow = 1.6 mm
▲ = 1.7 kg

TruTool TPC 165



\updownarrow = 165 mm
▲ = 9.6 kg

TruTool F 140



Flange height:
8 – 12 mm

\updownarrow = 1.4 mm
▲ = 4.2 kg

TruTool F 140 for fan blower



Flange height:
10-14 / 8-10 mm

\updownarrow = 1.4/0.75 mm
▲ = 4.2 kg

TruTool TF 350

Also available as Li-Ion battery



\updownarrow = 3.5 mm
▲ = 8.3 kg

TruTool TKA 500



hs = 3.5 mm
▲ = 3.5 kg

TruTool TKF 700



hs = 5 mm
▲ = 5.4 kg

TruTool TKF 1100 / 1101



hs = 7.8 mm
▲ = 11 kg

TruTool S 160 E



↑ = 1.6 mm
▲ = 1.9 kg

TruTool S 160

Also available as Li-Ion battery



↑ = 1.6 mm
▲ = 1.6 kg

TruTool S 250



↑ = 2.5 mm
▲ = 2.2 kg

TruTool S 350



↑ = 3.5 mm
▲ = 5.6 kg

TruTool S 450



↑ = 4.5 mm
▲ = 6.2 kg

TruTool N 160 E



↑ = 1.6 mm
▲ = 1.7 kg

TruTool N 200



↑ = 2 mm
▲ = 1.8 kg

TruTool N 350



↑ = 3.5 mm
▲ = 3.7 kg

TruTool N 500



↑ = 5 mm
▲ = 4.0 kg

TruTool N 700



↑ = 7 mm
▲ = 8.3 kg

TruTool F 300



Flange height:
9–13 mm
↑ = 1.25 mm
▲ = 5.4 kg

TruTool F 300 with 1400-W-motor



Flange height:
9–13 mm
↑ = 1.25 mm
▲ = 6.2 kg

TruTool F 301



Flange height :
8–11 mm
↑ = 1 mm
▲ = 5.2 kg

TruTool F 305



Flange height :
5–10 mm
↑ = 0.75 mm
▲ = 5.2 kg

TruTool F 125



Edge length:
40 mm
↑ = 1.25 mm
▲ = 2.8 kg

TruTool TKF 1500



hs = 10.6 mm
▲ = 16.5 kg

TruTool TKF 1500 with 2 speed



hs = 7.8 mm
▲ = 19.5 kg

TruTool TKF 1500 with forward feed



hs = 10.6 mm
▲ = 24 kg

TruTool TKF 1500 with forward feed and 2 speed



hs = 10.6 mm
▲ = 27 kg

TruTool TKF 2000




hs = 14 mm
▲ = 32 kg




TruTool S 114

Also available as Li-Ion battery





 \updownarrow = 1.6 mm

 = 1.9 kg

TruTool N 1000

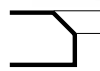



 \updownarrow = 10 mm

 = 14.7 kg

TruTool TKF 2000 with forward feed



 hs = 14 mm

 = 46 kg

Technical Data

TruTool		C 160 / C 160 with chip breaker			250 with chip breaker			Spiral cutter for spiral ducts
		Straigth cutter 1 – 1.6 mm	Curve cutter – 1mm	CR cutter also for spiral ducts	Straigth cutter	Curve cutter	CR cutter	
Max. sheet thickness		1 – 1.6 mm	– 1mm		1.5 – 2.5 mm	0.5 – 1.5 mm	0.5 – 1.5 mm	
Steel 400 N/mm²	mm	1.6	1	1.6	2.5	1.5		(1.5)
Steel 600 N/mm²	mm	1.2	0.8	1.2	1.5	0.8	1.5	
Aluminium 250 N/mm²	mm	2	1.2	2	3	2		
Spiral duct steel 400 N/mm²	mm			4 x 0.63				4 x 0.9 / 6 x 0.6
Spiral duct steel 600 N/mm²	mm							4 x 0.6
Working speed	m / min	6 – 10	6 – 10	6 – 10	3 – 10	3 – 10	3 – 10	3 – 10
Min. start hole diameter	mm	15	8	15	22	15	20	18
Smallest radius	mm	90	40	160	150	L 45 / R 80	120	150
Rated input power	W	350	350	350	550	550	550	550
Strokes at nominal load	1 / min	3800	3800	3800	2400	2400	2400	2400
Weight without cable	kg	1.4	1.4	1.4	2	2	2	2

(Also cutter for thin sheet available)

TruTool		PN 200	PN 201	PN 130 Li-ion battery	N 160 E with extension	TruTool		TPC 165
Max. sheet thickness								
Steel 400 N/mm ²	mm	2	2	1.3	1.6	Max. panel thickness mm		165
Steel 600 N/mm ²	mm	1.5	1.5	0.8	1	Single sheet thickness for		
Steel 800 N/mm ²	mm	1	1		0.7	steel 400 N/mm ²	mm	0.9
Aluminium 250 N/mm ²	mm	3	3	2.0	2	Insulation material: Polyurethane, polyisocyanurate-foam		
Working speed	m / min	2.1	2.2	2.5	1.5	Smallest possible insertion	mm	340 x 340
Start hole diameter	mm	24	24	15	21	Working speed	m / min	4
Smallest radius	mm	50	50	25	40	Cutting width	mm	4
Rated input power	W	550	550		350	Rated input power	W	1400
Tension	V			10.8		Weight without cable kg		9.6
Strokes at nominal load	1 / min	1500	1550	1800	1600			
Weight without cable	kg	1.8	2	1.4	1.7			

TruTool		F 140	F 140 for fan blower		TruTool		TF 350	
Max. sheet thickness			short	long	Max. sheet thickness			
Steel 400 N/mm ²	mm	1.4	1.4	0.75	Steel 400 N/mm ²	mm	3.5	
Steel 600 N/mm ²	mm	0.6	0.6	0.6	Steel 600 N/mm ²	mm	2.5	
Edge length (H)	mm	10 – 15	11 – 16	11 – 16	Aluminium 250 N/mm ²	mm	4	
Flange height (B):					Min. sheet thickness	mm	0.8	
sheet thickness 0.6 – 1	mm	8 – 10	10 – 14	8 – 10	Locking power max.	kN	25	
sheet thickness 1 – 1.4	mm	10 – 12	10 – 14		Max. stroke power	1/s	2	
Clearance (C)	mm	2.5	5.5	5.5	Edge clearance min.	mm	8	
Working speed	mm	6 – 10	6 – 10	6 – 10	Edge clearance max.	mm	58	
Smallest inner radius (preformed)	mm	300	300	300	Flange height max.	mm	36	
Smallest outer radius	mm	500	100	100	Rated input power	W	1400	
Rated input power	W	550	550	550	Weight without cable	kg	8.3	
Weight without cable	kg	4.2	4.2	4.2				

TruTool		TKA 500			TKF 700			TKF 1100 / TKF 1101		
Bevel angles		30°	45°	60°	30°	37.5°	45°	30°	37.5°	45°
Max. bevel height										
Steel 400 N/mm ²	mm	4.3	3.5	2.5	6.1	5.6	4.9	9.5	8.7	7.8
= Bevel length	mm	5.0	5.0	5.0	7.0	7.0	7.0	11.0	11.0	11.0
Steel 600 N/mm ²	mm	2.2	1.8	1.3	4.9	4.5	4	7.8	7.1	6.4
= Bevel length	mm	2.5	2.5	2.5	5.7	5.7	5.7	9.0	9.0	9.0
Steel 800 N/mm ²	mm	1.3	1.0	0.8	3.5	3.2	2.8	5.2	4.8	4.2
= Bevel length	mm	1.5	1.5	1.5	4.0	4.0	4.0	6.0	6.0	6.0
Aluminium 250 N/mm ²	mm	6.5	6.4	5.0						
= Bevel length	mm	7.5	9.0	10.0						
Min. sheet thickness	mm	0.7	0.7	0.7	1 – 20	1 – 20	1 – 20	3 – 25	3 – 25	3 – 25
Smallest inner radius	mm	16	12	12	40	40	40	40	40	40
Working speed	m / min	3 – 4	3 – 4	3 – 4	1.5	1.5	1.5	2 / 2.5	2 / 2.5	2 / 2.5
Rated input power	W	1400	1400	1400	1400	1400	1400	1600	1600	1600
Strokes at nominal load	1 / min				720	720	720	340 / 440	340 / 440	340 / 440
Weight without cable	kg	3.5	3.5	3.5	5.4	5.4	5.4	11	11	11

Latest Li-Ion battery technology with 10.8 V

Shear, slitting shear and profile nibbler



Latest Li-Ion technology.

TRUMPF C 160 slitting shears, S 160 and S 114 shears, PN 130 profile nibbler as well as DD 1010 drill driver are available with 10.8 V Li-Ion batteries with standard two 2 Ah batteries and optional 4 Ah battery. Combined with a battery-optimised aluminium gear head, the newest Li-Ion battery technology forms the basis of our new cordless tools. Many details in the gear head are tailored to the voltage of the battery technology and enable the 10.8 volt battery to produce output that is comparable to a 14.4 volt battery. Here is an example: In steel 400 N/mm² and a sheet thickness of 0.8 mm, about 100 meters can be cut using the S 160 shear with a 2 Ah battery. And with a 4 Ah battery, you can even double the run time.

Compact size – low weight.

The cordless shears and profile nibblers from TRUMPF are extremely light and their compact, ergonomic design increases operating comfort and provides the greatest possible mobility. A soft grip handle on the motor housing ensures a secure grip and low-vibration operation.

Compatible.

The 10.8 V Li-Ion batteries are combinable with all current TRUMPF battery machines and the charger of its voltage class.

Latest Li-Ion battery technology with 10.8 V

Drill driver



- Powerful 2-speed motor
- One-hand operated switch
- Extremely high operating comfort: balanced design and low weight
- Softgrip for a secure handling and low vibration work
- Integrated LED light to illuminate working area
- Stable, anti-tilt stand
- High-quality Li-Ion technology for a long run time
- per battery charge
- Compatible: 10,8 V Li-Ion battery and charger are identical with the current 10,8 V Li-Ion TRUMPF battery machines

Technical data TruTool DD 1010

Gears		2
Quick-release drill chuck	mm	10
Max. drill performance Ø steel	mm	8
Max. drill performance Ø wood	mm	20
Torque settings		17 + drilling
Max. torque (soft / hard)	Nm	15 / 30
Idle speed (1st / 2nd gear)	1 / min	440 / 1450
Tension	V	10,8
Weight (with 2 Ah battery)	kg	1,1

Slat cleaner TruTool TSC 100



Technical data TruTool TSC 100

Support slats thickness	mm	2 – 3.9
Max. slag thickness	mm	25
Min. spacing between support slats	mm	33.5
Working speed	m / min	4 – 8
Rated input power	W	1400
Weight	kg	16.3

- Suitable for the most diverse materials: stainless steel,
- mild steel and aluminium
- Best cleaning result due to new process
- Can be operated by just one person
- Cleaning takes place while operation is running
- (on flatbed laser machines with a pallet changer)

TRUMPF is certified according to ISO 9001:2008
(further information see www.trumpf.com/en/company/quality)

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