EIT TOOLS PROFESSIONAL

torcbrain®

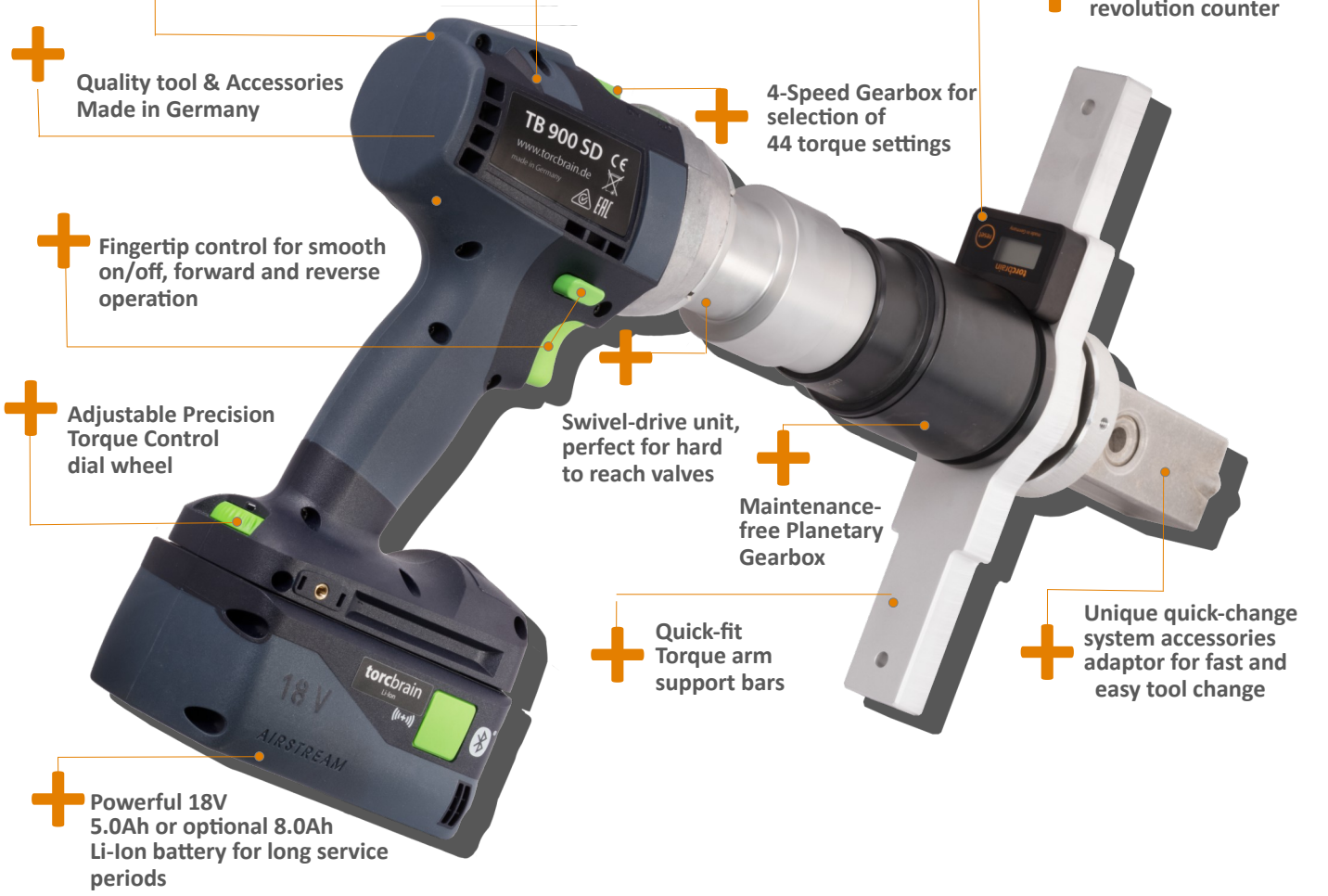


Torcbrain® Cordless Portable Valve Actuator System

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Torcbrain® - The smart choice

Torcbrain® Portable battery Valve Actuator Tools can be utilised in situations where Valve size, pressure rating, or environmental conditions typically necessitate a permanent, dedicated actuator or work crew





www.specialtools.com.au
info@specialtools.com.au

Emazing International Pty Ltd
ATF Hold-Carter Trust
Palm Cove QLD 4879—Australia
Ph +61 7 4000 0485
ABN 14 405 223 923

Torcbrain® - The complete, versatile system solution





Adaptors for Handwheels



Extensions for large Handwheels



Adaptors for Handwheels with rising spindle



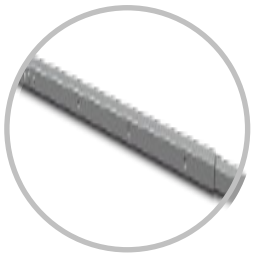
Conical Valve Stem Adaptors & Valve Key Adaptors



Universal Drive Adaptors for difficult to reach areas



Square Drive Adaptors to suit standard sockets



Telescopic Drive Extensions, 800mm —2400mm



Bi-Directional Revolution Counter



Fast charging 18V Li-Ion battery system

Sturdy tool storage & transport case



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Benefits







Safe - Time

- Quick tool system set-up
- Fast tool speed, fast operation
- Does not rely on permanent power supply
- Fingertip control for on/off, forward and reverse function
- Quick change of system accessories using one hand only

Reduce - Injuries

- Prevents operator fatigue and significantly lowers the risk of workplace injuries
- Built-in electronic torque-overload protection and automatic shut-off system, once the chosen torque is achieved, the tool shuts off automatically
- No clutch, no ratcheting, no vibrations
- Comfortable operation with excellent ergonomics



Safe - Money

- More cost-effective than dedicated actuators
- Transforms tasks typically needing a work crew into a one-person operation
- Compatible with most valve sizes and types using a variety of quick-change system accessories

Improve - Maintenance

- Providing good feedback to the operator on the valve
- Revolution counter allows for accurate exercising of valves
- Maximum valve protection due to adjustable torque control (44 torque settings)



Increase - Efficiencies

- Easy one-person set-up and operation
- Flexible and mobile due to the cordless battery drive system
- Lightweight, fast, accurate
- Excellent for moving tight or partially seized valves

Reliable - Quality

- Made in Germany, built to last
- High quality, maintenance free 4 speed mechanical gearbox
- Maintenance free, efficient brushless EC Motor
- Proven technology
- Global & Local Support

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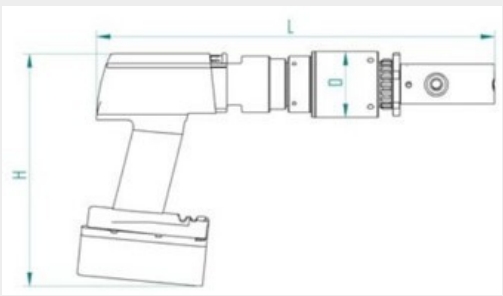
Portable Valve Actuator Tools





Model	Torque Range	No. of Torque settings	Max. speed rpm	Length	Dia.	Height	Weight incl battery
EIT-TB300 SDT	10-400 Nm 7- 295 ft-lb	44	120 rpm	365mm 14-3/8"	58 mm 2-9/32"	250 mm 9-27/32"	4.0 kg 8 lb 13 oz
EIT-TB300 SDT RC	10-400 Nm 7- 295 ft-lb	44	120 rpm	365mm 14-3/8"	58 mm 2-9/32"	250 mm 9-27/32"	4.0 kg 8 lb 13 oz
EIT-TB900 SDT	10—950 Nm 7—700 ft-lb	44	43 rpm	401 mm 14-3/8"	68 mm 2-9 11/16"	250 mm 9-27/32"	5.7 kg 12 lb 9 oz
EIT-TB900 SDT RC	10—950 Nm 7—700 ft-lb	44	43 rpm	401 mm 14-3/8"	68 mm 2-9 11/16"	250 mm 9-27/32"	5.7 kg 12 lb 9 oz

Models with code RC include a factory fitted revolution counter as pictured on the left. All tools are supplied with 1 x charger, 2 x 5.0Ah Batteries, and complete with a sturdy transport– & storage box.





Speed and Torque Settings

The charts below show the no load speed as well as the max. torque of the tools in each gear:

Model TB300SDT

Gear	Speed / Rpm
1st	0 - 17
2nd	0 - 25
3rd	0 - 80
4th	0 - 120

Gear	Max. Torque	
	Nm	ft-lb
1st	400	295
2nd	400	295
3rd	140	103
4th	90	66

Model TB900SDT

Gear	Speed Rpm
1st	0 - 6
2nd	0 - 9
3rd	0 - 29
4th	0 - 43

Gear	Max. Torque	
	Nm	ft-lb
1st	950	700
2nd	950	700
3rd	350	258
4th	240	177

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System Accessories / Revolution Counters / Telescopic Drive Extension

Revolution Counter

The optional revolution counter can easily be fitted to the standard Torcbrain Cordless Valve Actuators. They enable the monitoring and recording of clockwise and anti-clockwise revolutions of the handwheel or valve stems using a contactless module and easy to read digital display. The ideal solution for valves requiring a high number of revolutions or for precise valve exercising.



Model	Description	To suit Tool	Operation	Material
Z300up	Revolution Counter module	TB300	Bi-Directional Touch Buttons	Cast housing, Sealed Electronic
Z900up		TB900		

Model	Description	To suit Counter	Scope of supply
Z300rep	Repair Kit	Z300up	Counter including battery and pcb holder, without housing
Z900up		Z900up	

Telescopic Drive Extensions

The Vario-Tele, made entirely of stainless steel, enables ergonomic height adjustment of the drive to match the operators position, making it ideal for operating valves in pits, overhead, or a distance away from the operator.
The integrated quick-change system allows for height adjustment and swapping of handwheel– or conical drive adaptors with one hand, without needing any tools. Three different lengths of extensions are available. The length adjustments can be made in increments of 200mm.



Model	Description	To suit Tool	Adjustable length mm	Material
Vario300Tele	Telescopic Drive Extensions	TB300	837 - 1437	Stainless Steel
Vario300Tele120			1137 -1937	
Vario300Tele140			1437 - 2637	
Vario900Tele		TB900	847 - 1432	
Vario900Tele220			1237 –2212	
Vario900Tele260			1432 - 2602	
Vario900Tele300			1627 - 2992	







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System Accessories / Torque Support Systems

Side Handle - Torque Reaction Arm

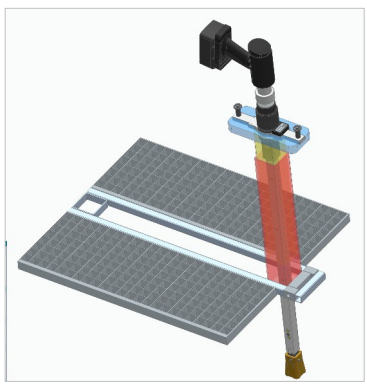
Torcbrain® torque reaction arms are attached to the tool to absorb the torque transferred from the tool to the valve. The side handles can be easily and quickly fitted to the tool when required and removed for tool storage. For the Tool type EIT-TB300 SDT, the torque reaction arm is constructed from lightweight Aluminium. One side handle is sufficient for torques up to 250 Nm, for higher torques of up to 400Nm we recommend using two handles fitted to the tool. For the model EIT-TB900 SDT, the torque reaction arms are made from stainless steel. Two arms are required to manage the significantly higher torque of this model. The optional Foam cover softens the pressure applied to the hips of the operator.



Model	Description	Length mm	Material	Weight ea. kg
Handle 300	Torque Reaction arm - 1 pce	800	Aluminium	0.3
Handle 300-2	Torque Reaction arm Telescopic, can be placed inside the tool storage box	800	Aluminium	0.3
Handle 900	Torque Reaction arms - set of 2	800	Stainless Steel	1.4
HandleProtect	Foam Cover to suit all types (1)			0.3

Foot Support System

In applications where a side handle used as torque reaction arm is not practical or possible, the Foot Support System has been designed to be placed on the ground, allowing an ideal transfer of the torque to the ground without the need for a side handle to be held by the operator. Optional and removable spike inserts can provide further support when using the system on soft ground or on walkway grates. The tool is adjustable in height using a telescopic pipe (shown in yellow and red). The rectangular base frame (light blue) can be swiveled to adjust the position to uneven surfaces and can be used on its own or in conjunction with the floor grates for additional support.



Model	Description	To suit Tool	Max. Torque Nm	Material
FSS-TB300	Foot Support System	TB300	350	Stainless Steel
FSS-TB300SI	Spike inserts			
FSS-FG300	Floor Grates (2)			Galvanised steel

Bi-Pod Support System

The Bi-Pod Support system is used where a torque reaction arm is not practical or comfortable. It can be fitted directly to the torque arm plate on the tool using a quick-change locking system. The arms can be rotated in several positions to the required angle. The height can be adjusted using the telescopic arms between 700-1500mm in height. They are fitted with a swivel base pad to ensure a firm placement on the ground. Ideal for one-person operation of the tool even at higher torques.



Model	Description	To suit Tool	Max. Torque Nm	Material
FSS-TBBPSys300	Bi-Pod Torque Support	TB300	350	Stainless Steel

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System Accessories / Operation of Handwheels

Handwheel Adaptor for Valves with Non-Rising Spindles

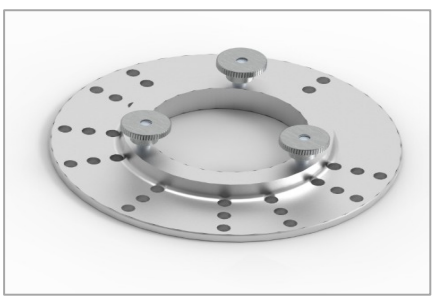
For the operation of valves with handwheels. The quick-change driving pins Dia 10mm can be adjusted with 1 hand, without requiring any tools. Hara300/900sys to suit handwheels with 3 and 5 spokes, hara300sys-4 to suit handwheels with 4 spokes



Model	Description	To suit Tool	Dia mm	Material	Weight ea. kg
Hara300sys	Adaptor for 3/5 spokes	TB300	150	Stainless Steel	1.5
Hara300sys-4	Adaptor for 4 spokes	TB300	150		1.5
Hara900sys	Adaptor for 3/5 spokes	TB900	150		1.6
Hara900sysSP	Adaptor for 3/5 spokes with 52mm long bolts	TB900	150		1.8

Adaptors plate for Large Handwheels

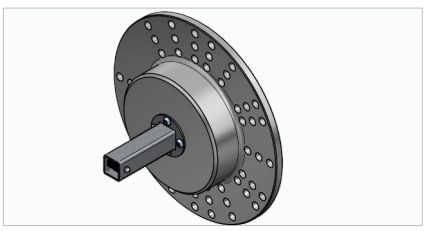
The extension plate increases the diameter of the standard handwheel adaptor from 150 to 250mm. It is secured using three knurled screws onto the standard handwheel adaptors type Hara. The quick-change pins can be adjusted to accommodate 3/4/5 and 7 spoked handwheels without requiring any tools



Model	Description	To suit adaptor	Dia mm	Material	Weight ea. kg
Hara250	Extension plate - 3/4/5 spokes	Hara300sys Hara900sys Hara300sysL Hara900sysL	250	Stainless Steel	1.8
Hara250-7	Extension plate - 7 spokes				

Large Handwheel Adaptor for Valves with Non-Rising Spindles

For the operation of valves with larger handwheels with 3, 4 or 5 spokes. The hub is raised by 30mm to allow for protruding handwheel centre nuts.



Model	Description	To suit Tool	Dia mm	Material	Weight ea. kg
Hara250-300sys	Adaptor for 3/4/5 spokes	TB300	250	Stainless Steel	2.0
Hara250-900sys		TB900	250		2.0

Handwheel Adaptor for Valves with Rising spindles

Enables the operation of handwheels with rising spindles,. The standard length is 650mm and custom lengths are also offered. The quick-change driving pins Dia 10mm can be adjusted single-handedly and without tools, to accommodate 3 or 5 spoked handwheels. The Inner diameter of the tube extension is 56mm and is suitable for spindles up to 50mm in Dia.



Model	Description	To suit Tool	Dia mm	Length mm	Material
Hara300sysL650	Handwheel Adaptor	TB300	150	650	Stainless Steel
Hara300sysL xxx	Handwheel Adaptor	TB300	150	50 - 1000	
Hara900sysL650	Handwheel Adaptor	TB900	150	650	
Hara900sysL xxx	Handwheel Adaptor	TB900	150	50 - 1000	

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System Accessories / Operation of Handwheels & Other System Adaptors

Handwheel Adaptor for larger rising spindles, with slotted tube for spindle position inspection

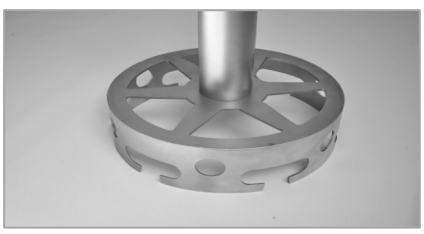
The same features as the above shown product, but to suit valve spindles with larger diameters. The ID of the tube extension is 84mm and the tube is slotted to provide visibility of the position of the rising spindle.



Model	Description	To suit Tool	Dia mm	Length mm	Material
Hara300sysL650-84	Handwheel Adaptor	TB300	150	650	Stainless Steel
Hara300sysL xxx-84	Handwheel Adaptor	TB300	150	50 - 1000	
Hara900sysL650-84	Handwheel Adaptor	TB900	150	650	
Hara900sysL xxx-84	Handwheel Adaptor	TB900	150	50 - 1000	

Handwheel Adaptor for handwheels with 6 spokes and Rising spindle

This adaptor can be used on handwheels with 6 spokes and rising spindle, specifically for handwheels with spokes around 30mm in diameter. The adapter's recess measures 350mm in diameter and 40mm in depth.



Model	Description	To suit Tool	Dia mm	Length mm	Material
Hara350syss	Handwheel Adaptor	TB300	350	425	Stainless Steel

Replacement Pins for Handwheel adaptors

Quick-change spring loaded driving pins. Can be adjusted with one hand, without requiring any tools.



Model	Description	To suit Adaptor
KSB1015	Connector Pin Dia 10mm, 15mm long	Hara300Sys, Hara300SysL Hara900Sys, Hara900SysL Hara250
KSB1025	Connector Pin Dia. 10mm, 25mm long	
KSB1250	Connector Pin Dia. 12mm, 52mm long	Hara900sysSP

Universal Joint Adaptors

Universal Joint Adaptors are designed to allow easier access to hard to reach valves. They fit between the tool and the system adaptors or onto the end of the telescopic drive extension and the system adaptors.



Model	Description	To suit Tool	Material
Kardan300	Universal Joint Adaptor	TB300	Stainless Steel
Kardan900		TB900	

Up- and Downsize Adaptors

Adaptors to use accessories for the smaller model EIT-TB300 on the larger model EIT-TB900 and vice versa.



Model	Description	To suit Tool	To use Adaptors from Tool	Material
RZ300-900*	Adaptor	TB300	TB900	Stainless Steel
RZ900-300**		TB900	TB300	

*Please note that max. torque using the adaptor RZ900-300 is 400Nm, higher torque settings on the TB900 tool will damage the accessories of the smaller tools type TB300.

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System Accessories / Operation of Valves with Valve Stem or Keyway Spindle

Conical Adaptors

Designed to operate the valve directly via the valve stem.



Model	Description	To suit Tool	To suit stem dia. mm	Material
KOS17/19-300	Conical Adaptor	TB300	17-19	Stainless Steel
KOS19/22-300			19-22	
KOS24/27-300			24-27	
KOS27/32-300			27-32	
KOS32/36-300			32-36	
KOS40/50-300			40-50	
KOS48/54-300			48-54	
KOS27/32-900		TB900	27-32	
KOS32/36-900			32-36	
KOS36/42-900			36-42	
KOS40/50-900			48-54	
KOS48/54-900			40-50	

Valve Spindle Keyway Adaptors

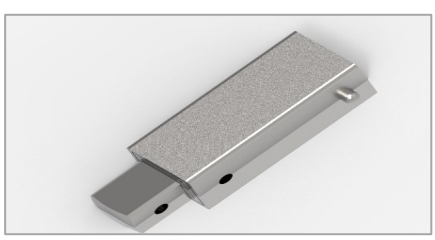
Valve Spindle Keyway System Adaptors are used to connect the tool directly to the valve keyway spindle. They are made to order according to your requirements and fit directly to the system adaptor of the tool and/or the drive extensions



Model	Information required	To suit Tool	Material
Made to order	Dia. Of valve key Size of keyway	TB300	Stainless Steel
Made to order		TB900	

Square Drive Adaptors

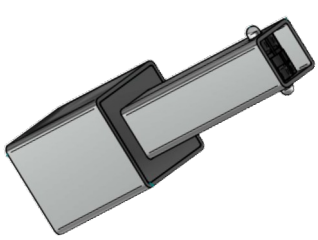
Square Drive Adaptors with a 3/4” male square drive, enabling the use of standard sockets or existing tooling.

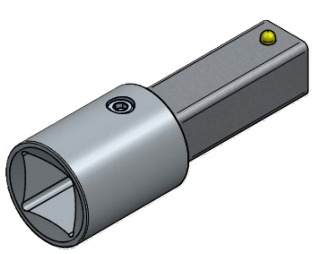


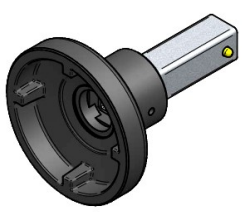
Model	Description	To suit Tool	Material
Sys300-34M	Square Drive Adaptor 3/4” Male	TB300	Stainless Steel
Sys900-34M		TB900	

Specialty Adaptors

We can manufacture custom adaptors to suit your individual requirements. Please contact us









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System Accessories / Batteries and Chargers

Li-Ion Battery Packs

The standard 18V, 5.0 Ah Torcbrain Battery packs, compatible across our entire range of tools and applications, are designed to meet the demands of professional uses. This robust power source, in conjunction with our high-efficiency EC-TEC brushless Tool motors, delivers exceptional performance, maximizing both power output and run time per charge.
Our AIRSTREAM technology further enhances efficiency by actively cooling the battery pack during the charging process, both before and during charging, ensuring minimal downtime and rapid return to service at peak power.

For applications requiring extended run times, optional 8.0 Ah battery packs are available, providing a 60% increase in operational time compared to the standard 5.0 Ah pack.



Model	Description	To suit Tool	Power	Battery type	Weight kg
BP1850Li	Battery Pack	TB300 TB900	18V 5.0Ah	Li-Ion	0.7
BP1880Li			18V 8.0Ah		1.0

Battery Chargers

The Torcbrain rapid charger can charge all battery packs from the 18V 5.0 Ah and 8.0Ah sizes. It demonstrates its full ability when used in conjunction with the 8.0 Ah Li High-Power battery pack after heavy-duty applications which heat up the battery pack considerably. With its active, intelligent air cooling before and during the charging procedure, the charger ensures that Airstream battery packs are ready for use again extremely quickly – for example, the 8.0 Ah Li-High Power battery pack is ready for use again in just 27 minutes. The LED display provides a complete overview, indicating the charging progress and remaining charge time at any time.



Model	Description	To suit Tool	Voltage	Charging Power	Weight kg
TBLG6-SCA16	Battery Pack Airstream	TB300 TB900	220V - 240V	16 A	1.1
TBLG6-SCA16US	Battery Pack Airstream	TB300 TB900	110V—120V	16 A	1.1

On its two spaces, the DUO rapid charger charges two battery packs at the same time. Particularly practical: You no longer need to look for another socket for a second charger – making work easy and saving time on construction sites, in workshops and in vehicles. Suitable for all 18V battery packs. The separate LED indicators for charging progress on the two charging spaces indicate the current charge status of each battery pack at any time.



Model	Description	To suit Tool	Voltage	Charging Power	Weight kg
TBLG6-Duo	Charger for 2 Batteries	TB300 TB900	220V - 240V	16 A	1.5

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