




## **Cordless Portable Valve Actuator System**

## Torcbra<sup>®</sup> - The smart choice

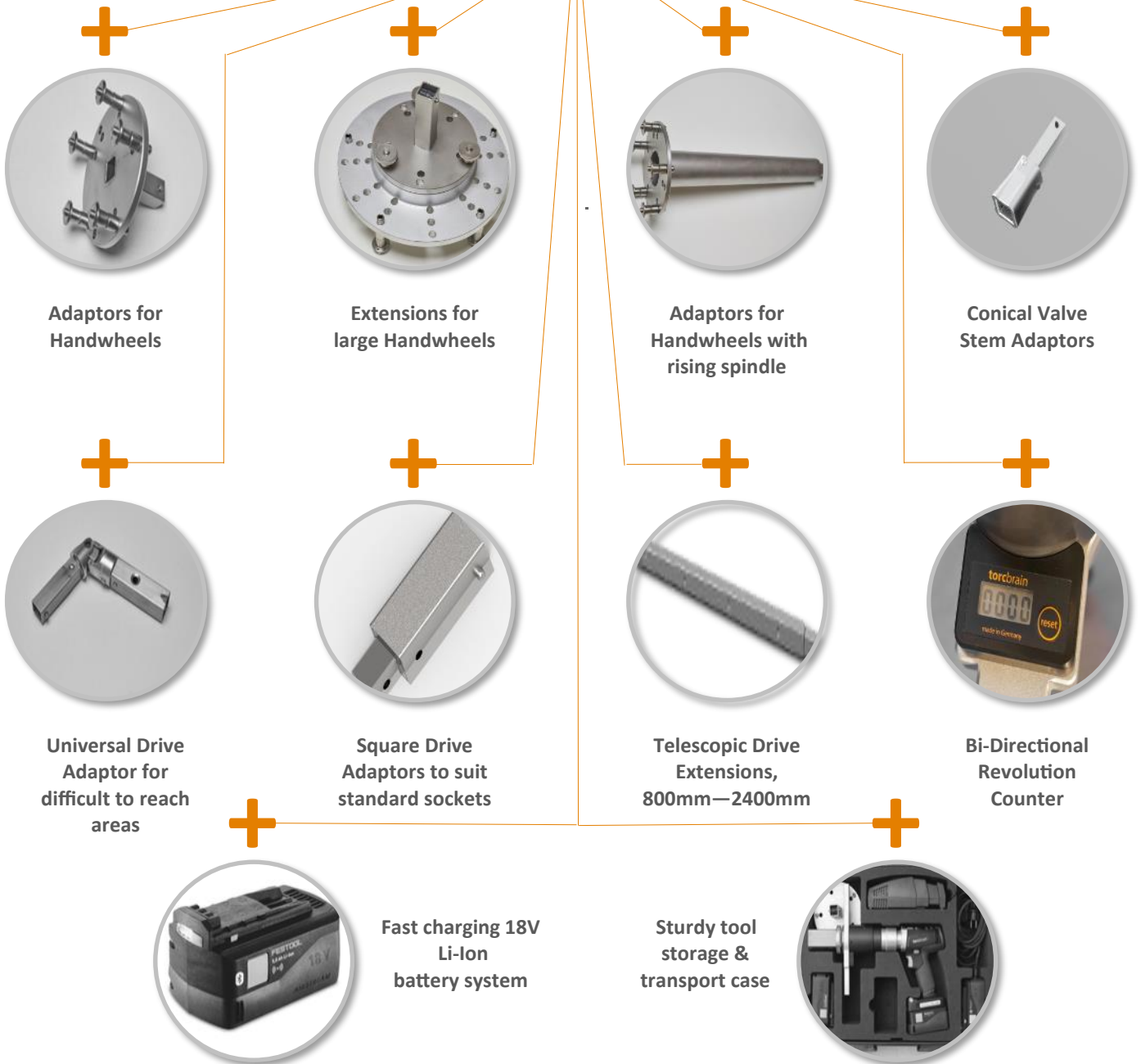
Torcbra<sup>®</sup> Portable Cordless Valve Actuator Tools are utilised in Energy and Process-, Water and Wastewater Industries as well as Mining Operations where Valve size, pressure rating, or environmental conditions typically necessitate a permanent, dedicated actuator or work crew.

- +** Maintenance-free, efficient brushless EC-Tec Motor
- +** Microprocessor controlled, clutchless torque shut-off and overload protection system, protects the valve and operator
- +** Optional, bi-directional revolution counter for precise valve exercising
- +** Quality tool & Accessories
- +** Made in Germany
- +** Long Service Life - Reliable
- +** 4-Speed Gearbox, 44 torque settings, from 10-950 Nm
- +** Fingertip control for smooth on/off, forward and reverse operation
- +** Time saver: High speed of up to 140 rpm
- +** Adjustable Precision Torque Control dial wheel
- +** Swivel-drive unit, perfect for hard to reach valves
- +** Maintenance-free Planetary Gearbox
- +** Lightweight and ergonomic design for increased productivity
- +** Unique quick-change system accessories adaptor for fast and easy tool change
- +** Powerful 18V 5.0Ah or 8.0Ah Li-Ion battery for long service periods
- +** Symmetric Torque reaction support arms for safe and comfortable operation



Torcbrain® - The complete, versatile system solution





### 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

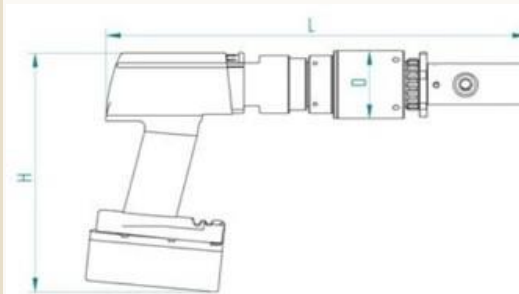


## Portable Valve Actuator Tools - Technical data



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	140 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	52 rpm	401 mm 14-3/8"	68 mm 2-9 11/16"	250 mm 9-27/32"	5.7 kg 12 lb 9 oz

All tools are supplied with 1 x charger, 2 x 5.0Ah Batteries, and complete with a sturdy transport- & storage box



## Tool Accessories

### Side Handle - Torque Reaction Arm

Torcbrain® torque reaction arms need to be 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 200 Nm, for higher torques 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.



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 - 1 pce Can be disassembled and placed inside the tool storage box	800	Aluminium	0.3
Handle 900	Torque Reaction arms - Set of 2	800	Stainless Steel	1.4

## System Accessories / Operation of Handwheels

### Handwheel Adaptor for Non-Rising Spindles

Facilitates the operation of non-rising handwheels. The quick-change driving pins Dia 10mm can be adjusted with one hand, without requiring any tools, to accommodate 3 and 5 spoked handwheels.



Model	Description	To suit Tool	Dia mm	Material	Weight ea. kg
Hara300sys	Handwheel Adaptor	TB300	150	Stainless Steel	1.5
Hara900sys	Handwheel Adaptor	TB900	150	Stainless Steel	1.6

### Handwheel Adaptor for Rising spindles

Enables the operation of handwheels with rising spindles, with a standard length of 650mm. 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. Inner diameter of the tube extension is 56mm to accommodate rising spindles up to 52mm.



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 - 650	
Hara900sysL650	Handwheel Adaptor	TB900	150	650	
Hara900sysL xxx	Handwheel Adaptor	TB900	150	50 - 650	

### Extensions plate Adaptor for Large Handwheels

The extension plate increases the diameter of the standard handwheel 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 spoked handwheels without requiring any tools



Model	Description	To suit Tool	Dia mm	Material	Weight ea. kg
Hara250	Extension plate	Hara300 Hara900	250	Stainless Steel	1.8

## System Accessories / Operation of Valves with Valve Stem or Valve Key

### Conical Adaptors

Conical Adaptors are designed to operate the valve directly via the valve stem.



Model	Description	To suit Tool	To suit stem dia. mm	Material
KOS27/32-300	Conical Adaptor		27-32	
KOS32/36-300	Conical Adaptor	TB300	32-36	Stainless Steel
KOS48/54-300	Conical Adaptor		48-54	
KOS27/32-900	Conical Adaptor		27-32	
KOS32/36-900	Conical Adaptor	TB900	32-36	Stainless Steel
KOS48/54-900	Conical Adaptor		48-54	

### Square Drive Adaptors

Square Drive Adaptors are used to convert the tool output spindle to a standard 3/4" square drive, enabling the use of standard sockets or existing tooling.



Model	Description	To suit Tool	Material
Sys300-34M	Square Drive Adaptor	TB300	Stainless Steel
Sys900-34M	Square Drive Adaptor	TB300	Stainless Steel

## System Accessories / Versatile Tool size adaptors

### Up- and Downsize Adaptors

Adaptors to allow users of both tool sizes, EIT-TB300 and EIT-TB900, to use all types and sizes of adaptors on either tool



Model	Description	To suit Tool	To use Adaptors from Tool	Material
RZ300-900	Adaptor to use larger tools	TB300	TB900	Stainless Steel
RZ900-300	Adaptor to use smaller tools	TB900	TB300	Stainless Steel

## System Accessories / General

### Universal Joint Adaptors

Universal Joint Adaptors are designed to allow easier access to hard to reach valves and it onto all types of adaptors for valves with handwheels or with valve stems.



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

### 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 adjustment can be made in steps of 200mm.



Model	Description	To suit Tool	Adjustable length mm	Material
Vario300Tele	Telescopic Drive Extensions	TB300	800 - 1400	Stainless Steel
Vario300Tele120			1200 - 1900	
Vario300Tele190			1900 - 2600	
Vario900Tele	Telescopic Drive Extensions	TB900	800 - 1400	Stainless Steel
Vario900Tele120			1200 - 1900	
Vario900Tele190			1900 - 2600	

### Revolution Counter

The optional revolution counter can easily be fitted to the standard Torcbrain Cordless Valve Actuators. The 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.

They are ideal for valves that require a high number of revolutions and 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		



## 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	Battery Pack	TB300 TB900	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

