



# Wiha Torque Screwdriver

2014



Made  
in  
Germany

**wiha**  
Premium Tools



# Wiha torque assortment

The right solution for any application



## Expanding requirements due to ...

- New applications
- New technologies
- New materials

## High requirements for ...

- Process safety
- Application safety
- Sensitive fastenings

## Prevention of ...

- Handling and reworking effort
- Product returns
- Loss of quality image
- High costs



product design award

2011



Focus Safety Silver 2007



iTorque

TorqueVario®-S

TorqueFix®

TorqueVario®-S VDE

TorqueVario®-S ESD

easyTorque

TorqueFix®-Key

TorqueVario®-S TR

TorqueVario®-S TR VDE

TorqueFix® TR

easyTorque TR

TorqueVario®-STplus

TorqueFix®-Tplus

# Wiha Torque TR

## Torque in the handle



- Ergonomic multi-component handle
- Optimal, non-tiring power transmission
- Release accuracy  $\pm 6\%$
- One-off testing with works inspection protocol
- One-off identification with identification number
- Flexible and economic due to interchangeable blades



Finely serrated, switchable ratchet (72 teeth) with 5° switching angle



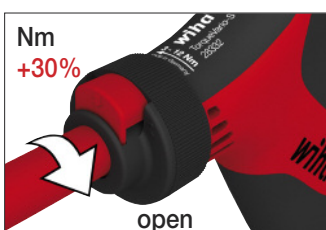
Distinctly audible and perceptible release signal



Ergonomically shaped pistol handle for optimal guidance and maximum axial power transmission



Tool integrated in handle for setting torque



Loosening torque around 30% higher than tightening torque



## Wiha Torque TR

Overtightening the screw is eliminated by the reliable torque technology. Users have a distinct audible and perceptible signal when releasing the torque.

Release accuracy is  $\pm 6\%$  of the pre-set scale value, as required by DIN EN ISO 6789.

To prevent users from damaging the blade or screw when loosening a fastening, the tools limit the tightening torque, as well as apply a special limit to the loosening torque to the left; this is approximately 30 % greater than the tightening torque.

# Wiha Torque TR

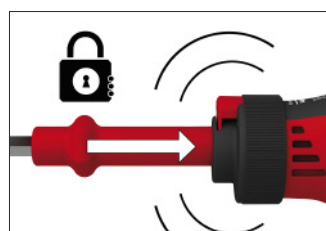
## Ergonomics at its best

### Blade system

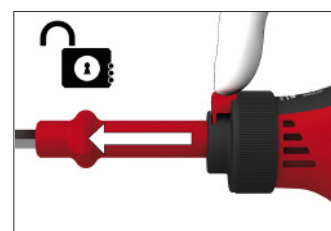


6-mm interchangeable blades made of high-quality, tough-but flexible chrome-vanadium molybdenum steel are available to match the handles. Adapter blades for nuts (1/4" and 3/8"), together with a universal bit holder for all C 6.3 and E 6.3 (1/4") bits complete the product range. Due to the 6mm chuck, the blades are also ideal for high torques.

Automatic / mechanical blade locking

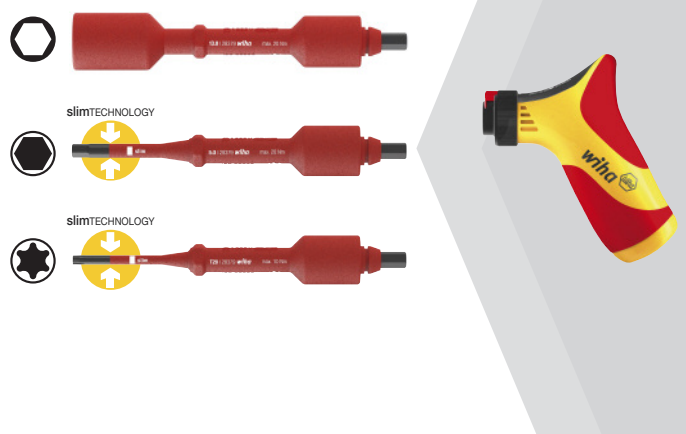


Blades released with a push button



### Blade system VDE

1000 V  
IEC 60900:2012

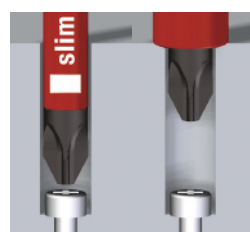


Order-No.	Bit	Length	Width	max. Nm	Blade
38931	T15	132	35	5,5	10
38932	T20	132	35	10	10
38933	T25	132	35	15	10
38934	T27	132	35	15	10
38935	T30	132	35	20	10
38936	T40	132	35	20	10

Order-No.	Bit	Length	Width	max. Nm	Blade
38918	3,0	132	35	5,5	10
38919	4,0	132	35	15	10
38920	5,0	132	35	20	10
38921	6,0	132	35	20	10

Order-No.	Bit	Length	max. Nm	Blade
38925	7,0	132	5	10
38926	8,0	132	10	10
38927	9,0	132	14	10
38928	10,0	132	17	10
38929	13,0	132	20	10
38930	17,0	132	20	10

1000 V  
IEC 60900:2012



#### slimTECHNOLOGY:

Up to 33% reduction of the bit diameter in the critical working area allows effortless access to low-lying fastening/spring elements.

For work in the area of live parts up to 1,000 VAC! When working with VDE tools, note the national safety and accident prevention regulations!

# Wiha Torque TR

## Variants



### Wiha Torque TR

The Wiha "Torque TR" torque handle – a wide variety of possible grips and applications for optimal solution of all tightening applications.

The fine toothed integrated ratchet supports fast tightenings in natural hand position.

The ergonomic pistol grip allows powerful work even at high torques.



### One tool – several gripping methods

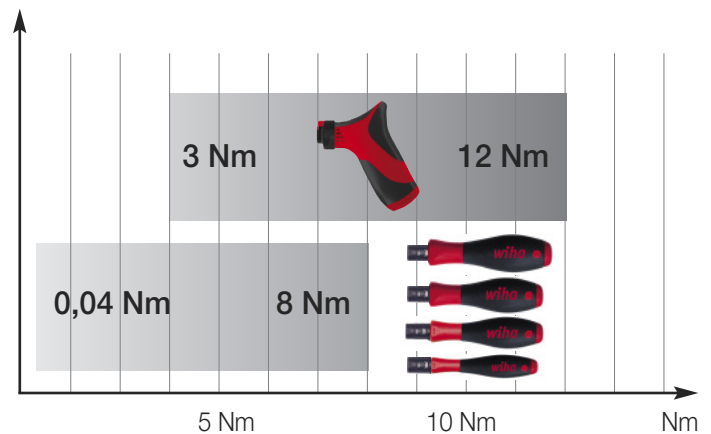


POWER



SPEED

### Optional grip version for optimal torque



### Variants

#### TorqueVario-S TR

Order No.	Nm	W %	⊙	Ratchet	↺	↻	↷
39369	3 - 12	6%	6	•	110	125	1



#### TorqueFix TR

Order No.	Nm	W %	⊙	Ratchet	↺	↻	↷
38896	6	6%	6	•	110	125	1
38897	8	6%	6	•	110	125	1
38898	10	6%	6	•	110	125	1
38899	12	6%	6	•	110	125	1



#### easyTorque TR

Order No.	Nm	W %	⊙	Ratchet	↺	↻	↷
38890	6	10%	6		110	125	1
38891	8	10%	6		110	125	1
38892	10	10%	6		110	125	1
38893	12	10%	6		110	125	1



#### TorqueVario-S TR VDE



Order No.	Nm	W %	⊙	Ratchet	↺	↻	↷
39370	3 - 12	6%	6	•	110	125	1



# Wiha TorqueFix Key

## Small, compact & precise



- Release accuracy  $\pm 6\%$
- One-off testing with works inspection protocol
- One-off identification with identification number
- Flexible and economic due to exchange blades
- Small & compact



### Small & compact

Torque tool for very tight machine assembly spaces

### For machining applications

Non-magnetic blade clamping specifically for machining processes

### Blade system

Very short blades specifically developed for machining

### Rapid handling

Time-saving work due to twist zone in the handle area

Order.Nr.	Nm	7/2%	0	↔	↔	↔
38616	0,5	6%	4	68	50	1
38617	0,6	6%	4	68	50	1
38618	0,9	6%	4	68	50	1
38556	1,1	6%	4	68	50	1
38800	1,2	6%	4	68	50	1
38619	1,4	6%	4	68	50	1
38557	2,0	6%	4	68	50	1
38620	2,5	6%	4	68	50	1
38621	3,0	6%	4	68	50	1
38558	3,8	6%	4	68	50	1
38622	4,0	6%	4	68	50	1



Order.Nr.	●	●	↔	↔	↔	max. Nm
38806	T6	4	75	20	0,6	10
38807	T7	4	75	20	0,9	10
38808	T8	4	75	20	1,3	10
38809	T9	4	75	20	2,5	10
38810	T10	4	75	20	3,8	10
38811	T15	4	75	20	5,5	10
38812	T20	4	75	20	8,0	10
38813	T25	4	75	20	8,0	10



Order.Nr.	●	●	↔	↔	↔	max. Nm
38801	1,5	4	75	20	0,9	10
38802	2,0	4	75	20	1,8	10
38803	2,5	4	75	20	3,8	10
38804	3,0	4	75	20	5,5	10
38805	4,0	4	75	20	8,0	10



Order.Nr.	●	●	↔	↔	↔	max. Nm
38814	6IP	4	75	20	0,8	10
38815	7IP	4	75	20	1,3	10
38816	8IP	4	75	20	2,0	10
38817	9IP	4	75	20	3,0	10
38818	10IP	4	75	20	4,5	10
38819	15IP	4	75	20	6,6	10
38820	20IP	4	75	20	8,0	10
38821	25IP	4	75	20	8,0	10



# Wiha iTorque

Testing equipment monitoring permanently integrated



- Mechatronic technology
- Nm-setting via digital display
- ClickControl
- Calibration alarm (testing equipment monitoring)
- Long lifespan – can be recalibrated
- Release accuracy  $\pm 6\%$
- Customer individualisation is possible



Large digital display with numeric display prevents reading errors



Calibration alarm after 5.000 applications for absolute process safety with testing equipment monitoring



Can be set without separate tool



Individual setting of calibration alarm cycles possible with ordering. Individual, permanent lasering of customer information (testing equipment number, workplace designation, company logo...)



ClickControl counting function records all applications and optimises testing equipment monitoring



Can be recalibrated by Wiha Services



# Your torque specialist

## Wiha Services – Calibration and Co.

### iTorque services



Inbound check	Cost estimate & protocol	Complete overhaul	Readjustment	Works calibration & protocol	Net price in €
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#### Cost control

No adjustment required (case okay)	●	○	○	○	●	20,00 €
Readjustment required (case not okay)		●	○	●	●	85,00 €

#### Check + service

No adjustment required (case okay)	●	○	○	○	●	20,00 €
Readjustment required (case not okay)	●	○	○	●	●	75,00 €

#### Brief service inspection

Implementation of readjustment + works calibration	○	○	○	●	●	55,00 €
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#### Thorough service inspection

Services						
- Update of electronics						
- Replacement of battery						
- Replacement of mech. parts subject to wear i.e. counter mechanics, display window etc.	○	○	●	●	●	75,00 €
- Readjustment + works calibration						

● Part of the service offer   ● free of charge   ○ Not included in the service offer

Order process for Wiha Services: [www.wiha.com/services](http://www.wiha.com/services)

1. Download the standard order form via the Wiha website [www.wiha.com/services](http://www.wiha.com/services)
2. Select the required service
3. Send to: Wiha Services
4. Selected service is implemented
5. Torque tools are sent back within 5-7 workdays



### Wiha Service offer at a glance

Wiha torque series					Catalogue price / net in €*		
2850	2852 2872 2882	2835	2891	2893	Works calibration		DAkkS calibration
	  				Existing products	New products	New** and existing products
to 1	0.04 - 0.46 0.1 - 0.6 0.4 - 1.0	○	○	○	29,75 €		
1 to 8	0.6 - 2.0 0.8 - 2.0 1.0 - 5.0 2.0 - 8.0	0.4 - 1.5 0.8 - 3.0 1.0 - 6.0	5 to 12	○	20,- €	Standard for all Wiha torque tools	150,- € (0,3 - 14 Nm)
○	○	○	from 12	5 - 14	23,50 €		

Specified values in Nm

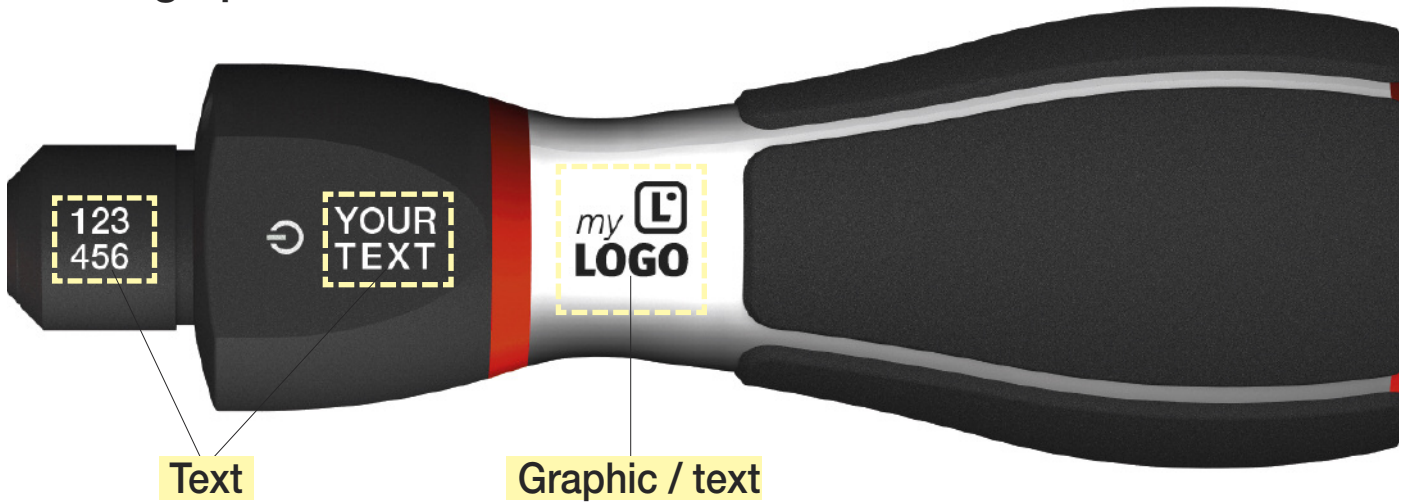
\* The offer applies for services that we invoice net without deductions

\*\*DAkkS calibration for new products only possible via the Wiha portal [mytorque.wiha.com](http://mytorque.wiha.com)

# Individualisation

Testing equipment monitoring made easy

## Marking options



### iTorque



- Text 1: Text field can be personalised
- Text: Text field can be personalised
- Graphic/text: Graphics or text field can be personalised (12 x 12 mm)
- Cal-Alarm: Calibration alert cycles can be individually defined (default setting: 5.000 uses)
- Unit: Preferred torque unit (in.lb | Nm) can be selected

### TorqueVario®-S (VDE/ESD) TorqueFix®



- Text: Text field can be personalised
- Nm value: Required torque setting can be chosen between 0.15 - 8 Nm  
Value will be pre-set at the factory
- Unit: Freely settable torque unit (e.g. in.lb | Nm)

Additional information  
available at  
[mytorque.wiha.com](http://mytorque.wiha.com)



## easyTorque



- Permanently set torque screwdriver
- Release accuracy  $\pm 10\%$
- Robust multi-component handle
- Loosening torque mechanically unlimited
- Compatible with the Wiha blade system



- Fixed torque values (factory-preset)
- 13 torque ranges in range of 0.5-5.0 Nm

## Torque cable key



- The ideal fastening tool for circular plug connectors (compliance with IP67)
- Innovative materials: Robust + light due to glass-fibre reinforced plastic
- Temperature resistant (-40°C to +120°C)
- Non-rusting stainless steel insert



- Wide range for all common circular plug connectors  
SW 8 | SW 9 | SW11 | SW12 | SW13 | SW14 | SW17 | SW18 | SW19 | SW22 | SW24
- Compatible with the Wiha torque assortment iTorque | TorqueVario-S | TorqueFix | easyTorque

# The Wiha torque screwdriver range

## The right tool for any application



**iTorque**

- Adjustable torque setting
- Available in 3 variants from 0.4-6.0 Nm



**TorqueVario®-S**



- Can be variably set
- Available in 7 variants from 0.04-8.0 Nm



**TorqueFix®**



- Fixed torque values (factory-preset)
- 16 variants in range of 0.4-7.2 Nm



**easyTorque**

- Fixed torque values (factory-preset)
- 13 variants in range of 0.5-5.0 Nm
- Release accuracy  $\pm 10\%$



**TorqueVario®-S ESD**

- Electrostatically discharging (EPA)
- Can be variably set
- Available in 6 torque ranges from 0.04-5.0 Nm



**TorqueVario®-S VDE**



Completely certified VDE torque system

- VDE one-off testing
- Can be variably set
- Available in 3 variants from 0.6-8.0 Nm



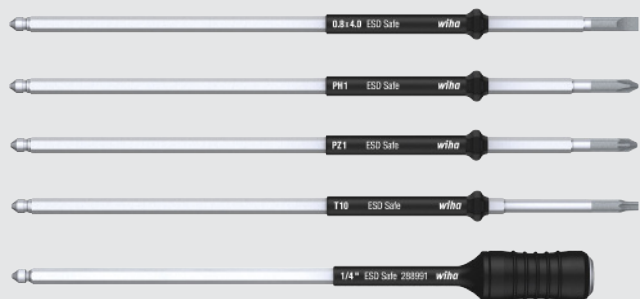


## Sophisticated products

- Release accuracy  $\pm 6\%$
- Distinctly audible and perceptible click signal
- Handle sizes adapted to torque ranges
- Ergonomic, compact construction

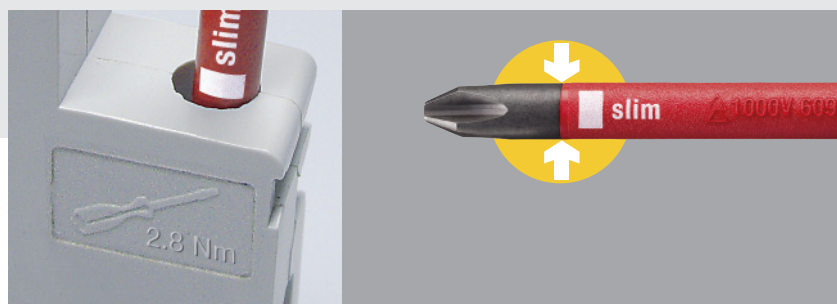
## Service and performance

- Customer-specific lasering
- Wide offer of calibration services
- Individual unit testing with calibration certificate
- Individual unit designation with identification number



## Common standards












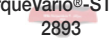

- Complies with all relevant standards
- EN ISO 6789, BS EN 26789, ASME B107.14M



# Wiha torque assortment

## At a glance

### Overview of Wiha torque tools

	Precision	Setting	Special feature	Nm range	Torque range				Suitable ex- change blades			
					0.01 Nm	0.1 Nm	1 Nm	10 Nm				
<b>Mechanical torque screwdriver</b>												
 iTorque 2835	±6%	Adjustable	Digital display Click Control Calibration alert Readjustment	0.4 - 1.5						Series 2859		
				0.8 - 3.0								
				1.0 - 6.0								
<b>Mechanical torque screwdriver</b>												
 TorqueVario®-S 2852	±10% (0.1-0.46 Nm)	Adjustable	Numerical scale	0.04 - 0.46						Series 2859		
	±6% / ±10%			0.1 - 0.6								
	±6%			0.4 - 1.0								
				0.8 - 2.0								
				1.0 - 5.0								
				2.0 - 8.0								
 TorqueVario®-S VDE 2872	±6%	Adjustable	VDE certification Numeric scale	0.6 - 2.0						slimBits Series 2831		
				1.0 - 5.0								
				2.0 - 8.0								
 TorqueVario®-S ESD 2882	±10% (0.1-0.46 Nm)	Adjustable	ESD safe Numeric scale	0.04 - 0.46						Series 2889		
	±6% / ±10%			0.1 - 0.6								
	±6%			0.4 - 1.0								
				0.8 - 2.0								
				1.0 - 5.0								
 TorqueFix® 2850	±6%	Fixed	Permanently factory-preset	16 ranges 0.4 - 7.2 Nm						Series 2859		
				 easyTorque 292	±10%	13 ranges 0.5 - 5.0 Nm						
						 TorqueFix®-Key	±6%	0.5 - 4.0				
 TorqueVario®-S TR	±6%	Adjustable	Numerical scale Ratchet	3.0 - 12						Series 2899		
				 TorqueVario®-S TR VDE	±6%	VDE certification Numerical scale Ratchet	3.0 - 12					
 TorqueFix® TR	±6%	Adjustable	Permanently factory-preset Ratchet	4 ranges 6.0 - 12						Series 2899		
				 easyTorque TR	±10%	Pre-set at factory	4 ranges 6.0 - 12					
<b>Mechanical torque T-handles</b>												
 TorqueVario®-STplus 2893	±6%	Adjustable	Numerical scale	5 - 14 Nm						Series 2899		
 TorqueFix® Tplus 2891	±6%	Fixed	Permanently factory-preset	6 ranges 6 - 14 Nm								

# Overview of Wiha 4mm and 6mm exchange blades for long handle torque tools



Size	Maximum torques for Wiha 4mm interchangeable blades in Nm										4mm in Nm		6mm in Nm		
	⊖	⊕	⊕	⊖	⊕	⊖	⊕	⊖	⊕	⊖	⊕	⊖	⊕	⊖	⊕
000		0.4													
00		0.4													
0		0.9	0.9												
1		3.8	3.8												
1.3				0.4											
1.5	0.15			0.9						0.9					
2	0.4	5.5	5.5	1.8						1.8					
2.5	0.4			3.8						3.8					
3	0.6			5.5						5.5	5.5				
3.5	1.1														
4	2.5			8.0	0.25					8.0	15				
5					0.4	0.5					15				
6					0.6	0.8				0.6	0.8	15			
7					0.9	1.3				0.9	1.3				
8					1.3	2.0	1.0			1.3	2.0				
9					2.5	3.0	1.0			2.5	3.0				
10					3.7	4.5				3.8	4.5				
12							1.5								
13							1.5								
14							1.5								
15					5.5	6.6				5.5	6.6	5.5	6.6		
17							1.5								
18							1.5								
20					8.0	8.0				8.0	8.0	10	13		
22							2.0								
24							2.0								
25					8.0	8.0				8.0	8.0	15	15		
27												15	15		
30												15	15		
40												15	15		
1/4"									•	•				•	•
3/8"															•
1/2"								1.5							



## Wiha torque expertise

- Torque specialist
- Wiha Services – Calibration and Co.
- A wide spectrum of products / services
- Maximum quality and production levels
- Perceptible ergonomics

# wiha



## Premium Tools

70 years  
Innovation.  
Quality.  
Reliability.

Your stockist:

**wiha**   
Premium Tools

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