

„About us“

Information all around
HAZET



Das Werkzeug



HAZET in numbers

[As of: January 2020]



Date of founding

1868, now a fifth generation family business



Products

approx. 5,500
6 core competency areas



Number of plants: 4

3 in Remscheid (plant 1 / 3 / 4)
1 in Heinsberg (plant 2)



In-house production proportion

approx. 75 % Made in Germany
In-house development and design



Main plant (plant 1)

Güldenwerther
Bahnhofstraße 25–29
42857 Remscheid, Germany



Turnover (2019)

> € 100 million
∅ Growth since 2009
approx. 10 % p.a.

HAZET in numbers

[As of: January 2020]



Das Werkzeug



Employees > 600
(> 50% are > 10 years at HAZET)
10+ years: 190
25+ years: 121
40+ years: 14



National
6 sales regions
with approx. 35 employees



Apprenticeship training ratio
3.5 %



International
Deliveries in over 100 countries



14 demonstration vans with
specialist advisors
7 domestic
7 international



Website hazet.de, Data 2019:
29.5 million pages · 17 million hits
1.1 million visits
125K unique visitors/URLs



65 trade fairs p.a. of which,
12 – 15 international trade fairs



Social Media (followers)
Facebook: 82K · LinkedIn: 300
Instagram: 20K ·
YouTube: 3.8 million (views)
5K (subscribers)

Who is HAZET?



HAZET is a leading manufacturer of high quality tools, tool trolleys and workshop equipment



Who is HAZET? - Past and Present



- Established in 1868 by Hermann Zerver
- The brand “HAZET” has its roots in the initials of its founder, where the “H” (HA in German) stands for Hermann and the “Z” (ZET in German) for Zerver.
- HAZET is now a fifth generation family business
- Approx. 600 employees located in four manufacturing plants in Germany
- Turnover approx. 100 mill. Euro in 2019



HAZET INTERNATIONAL – in more than 100 countries



Das Werkzeug



Our production sites



Plant 1 - Remscheid



Plant 2 - Heinsberg



Plant 3 - Remscheid



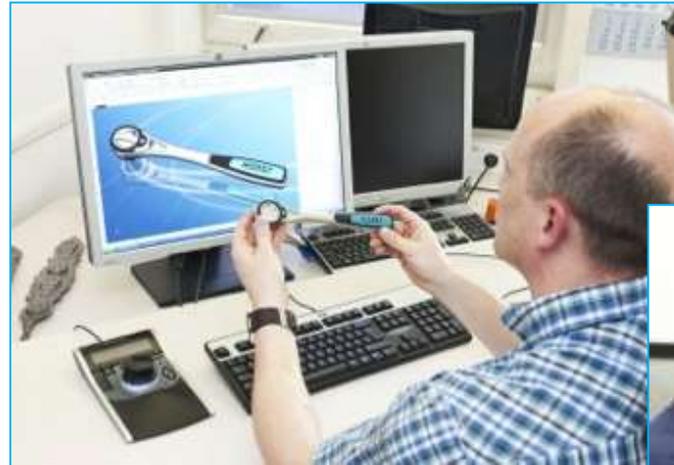
Plant 4 - Remscheid



Development and Construction



- Tools and production resources are developed and designed by highly qualified engineers with the help of modern CAD-computers and “high end-software“
- Production of automotive specialty tools
- The application of the tools is simulated in virtual surroundings
- Conservation of a continuous high quality standard



Construction of Tools and Forging Dies



- Use of the most modern technology in the HAZET tool and forging die construction
- Direct transmission of the milling data via CAD/CAM interface to a high-speed milling machine (HSC)
- The forging contours of new forging dies are milled into the hard metal with highest precision at a speed of 42,000 revolutions per minute



The Forge



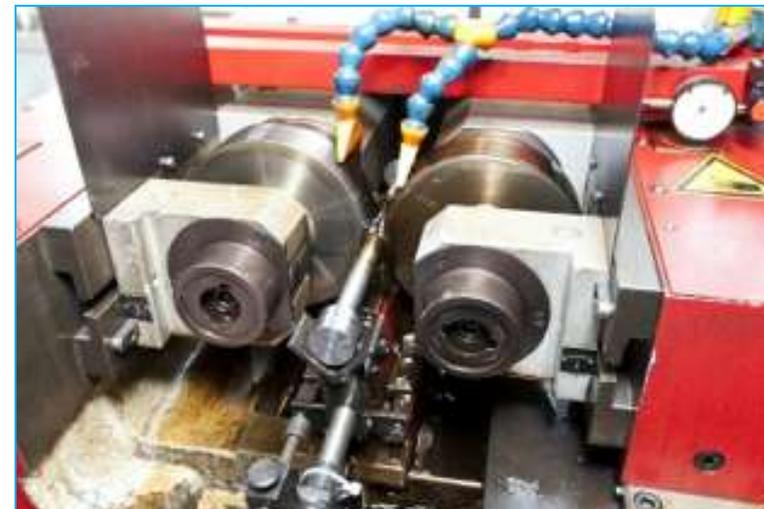
- Use of the exactly fabricated dies in hydraulic short-stroke quick forging hammers
- With a „simple“ piece of steel, experienced forgers start the fabrication of our HAZET quality tools



CNC-machines



- HAZETs complex machinery allows every kind of metal-removing procedure
- From simple drilling machines up to automatically controlled CNC turning and milling centres



Electroplating

- The finishing step for each tool is the treatment in an environmentally acceptable galvanic chromium-nickel coating installation
- It protects the HAZET quality tools permanently from corrosion



Sheet Metal Working



- Laser cutting device
- Metal-distortion
- Powder-coating



Logistics



- Fast dispatch of our HAZET products to our customers is guaranteed by:
 - Integrated systems for the distribution of our products
 - Most modern technology in the field of logistics, e.g. computer controlled belt conveyors and packaging places

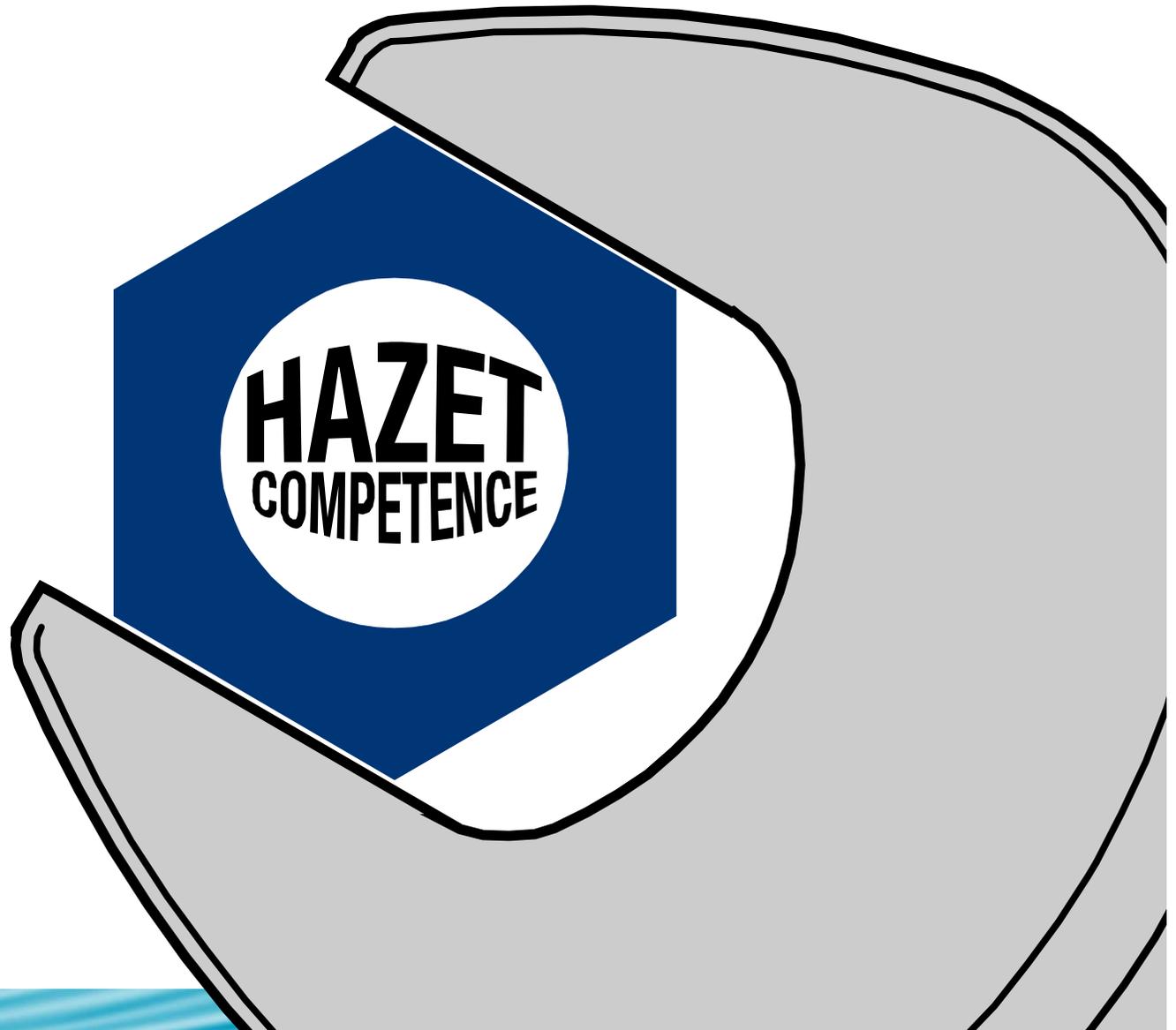


Logistics – New High Bay Warehouse



- New 14 m state-of-the-art high bay warehouse
- 5.000 pallet spaces
- Doubled the storage capacity
> 11.000 m²
- 24h-delivery: Orders received before noon are dispatched on the same day







Complete Range



- **More than 5,500 products**
- **Standard product range**
 - Complete wrench set
 - Screwdrivers
 - Pliers
 - Socket wrenches
- **Torque Technology**
 - HAZET is market leader
 - Own technology, no additional purchases
 - Own service-center
- **Tool trolleys**
- **Pneumatics**
 - Own service-center
- **Specialty tools**
- **1,500 drawing-based articles**





 **Made in Germany**

Tool Trolleys *Assistent*[®]



Das Werkzeug

179 N series – HAZET is the only german manufacturer of tool trolleys of this size



179 N
3/3+
B = 709 mm

179 N X
3/3+
B = 709 mm

179 N XL
4/3+
B = 883 mm

179 N XXL
5/3+
B = 1057 mm

 **Made in Germany**

Operating and Workshop Equipment



- Significantly enlarged storage space and working surface, depending on version (XL / XXL), of up to 30 %
- Complete welded construction of the whole corpus
- Double-walled construction
- Optimised, yielding edge protection on all four corners with real impact protection thanks to internal damping concept →
- Interfaces integrated in the worktop for accessories such as laptop holder and top module
- Easy movement even with high dynamic load due to double race in the pivot bearing
- Traceless elastic rolls for smooth running



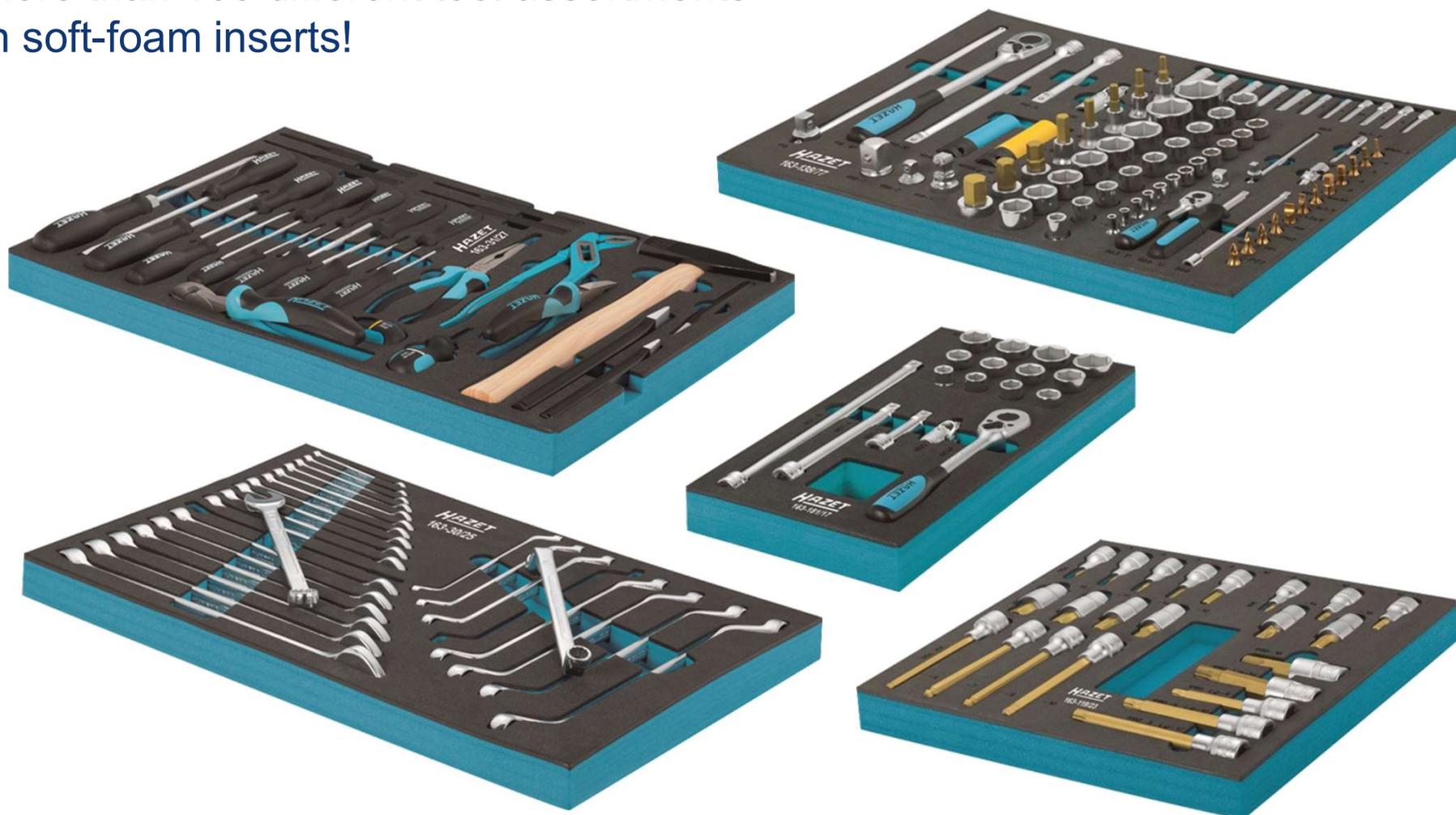
 **Made in Germany**

Tool Assortments



Das Werkzeug

More than 100 different tool assortments
in soft-foam inserts!



Tools



Wrenches



- Double Open-End Wrenches
- Double Box-End Wrenches
- Combination Wrenches
- Ratchet Combination Wrenches
- Socket Wrenches
- ...



Screwdrivers



Das Werkzeug

- Screwdrivers with impact cap
- Screwdrivers for electricians (VDE)
- Clip Screwdrivers
- Electronic Screwdrivers
- Offset Screwdrivers



Pliers



Das Werkzeug

- Universal pliers
- Pliers for electricians (VDE)
- Heavy-duty diagonal cutters
- Lockring pliers
- Crimping pliers
- ...



Hammer-Program



Das Werkzeug



BluGuard: HAZET steel handle protection sleeve after failures:

- No deformations -> just small scratches
- Exact firm fit

Handle without steel handle protection sleeve:

- Extremely noticeable handle damage
- Shortened useful life and high risk of handle breakage



HiPer – High Performance Fine-tooth reversible ratchets



Static and dynamic
Double precision in perfection!



HiPer
HIGH PERFORMANCE
DAS ORIGINAL
MADE IN GERMANY

HiPer in Action

 **Made in Germany**



Das Werkzeug



Tool Set for Hybrid and Electric Vehicles



Insulating Mat

Pullers and Extractors



Das Werkzeug





 **Made in Germany**

Torque Technology

0.1 – 2,000 Nm

 **Made in Germany**



- VDE torque wrench, 2 – 25 Nm
- Electronic torque wrenches with built-in angle
- Gauge from 10 up to 1000 Nm
- Dynamometric screwdrivers
- Insert tools
- Electronic torque testers
- Torque multipliers
- ...



SYSTEM 5000-3 CT
Toleranz: $\pm 3\%$



SYSTEM 5000 KV
Toleranz: $\pm 4\%$



SYSTEM 5000 CLT
Toleranz: $\pm 4\%$



SYSTEM 6000 CT
Toleranz: $\pm 2\%$



SYSTEM 7000sTAC
Toleranz: $\pm 1\%$





Twin Turbo Technology by HAZET

NEW!



Strongest HAZET impact wrench series ever!

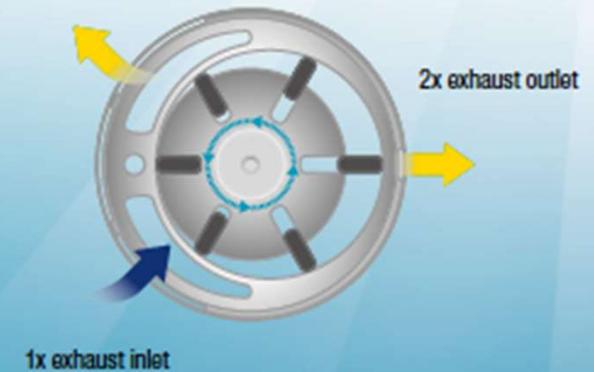
Exclusively only from HAZET!

- ▶▶▶ Maximum efficiency due to the ground-breaking "HAZET Twin Turbo Technology" enables high torques with compact design
- ▶▶▶ Innovative 8-blade air motor with 25% higher impact performance ensures maximum torques
- ▶▶▶ Long service life and high efficiency in industrial and automotive applications
- ▶▶▶ Significantly higher performance results in faster loosening of the screw connection during the screwing procedure and is thereby twice as efficient.
Advantage: time saving, as the work procedure is completed faster, thereby consuming less air = cost savings!

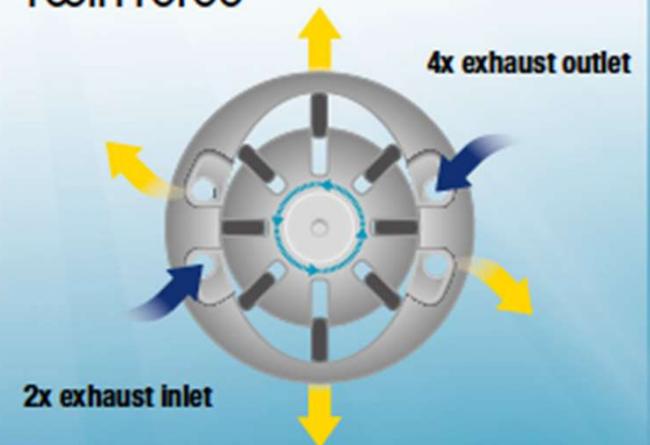


Twin Effect – More power in shorter time!

Standard



Twin Turbo



Twin Turbo impact wrench

- ✓ Compact design, optimised for work in confined spaces
- ✓ One-hand operation for right and left-handed users
- ✓ Exhaust air is guided downwards through the handle
- ✓ Easy to use



9012 MTT

SN No. 400006227136

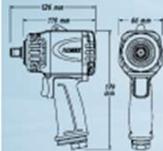
Mini Twin Turbo impact wrench, extra short

- Max. loosening torque determined with screw size M16



Problem solver!
Max. loosening torque: 1600 Nm
Extra short – only 110 mm!

Extra light –
only 1.3 kg!



■	Max. Nm	Max. Nm	Nm	rpm	1/min	1/4" drive Ip A	1/2" drive Ip W	mm³/s	l/min	l/min	kg
■	1600	678	542	11000	133.1	92.5	92.5	8.39	10	1.3	

NEW!

YouTube clip



9012 TT

SN No. 400006226924

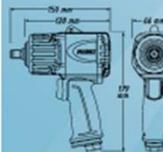
Twin Turbo impact wrench

- Max. loosening torque determined with screw size M16



Problem solver!
Max. loosening torque: 2200 Nm
Short design – only 128 mm!

Extra light –
only 1.6 kg!



■	Max. Nm	Max. Nm	Nm	rpm	1/min	1/4" drive Ip A	1/2" drive Ip W	mm³/s	l/min	l/min	kg
■	2200	1356	948	8300	147.2	90.7	110.7	8.69	10	1.6	

NEW!

YouTube clip



9013 TT

SN No. 400006227143

Twin Turbo impact wrench

- Max. loosening torque determined with screw size M32

NEW!



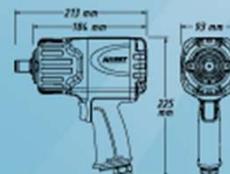
Problem solver!
Max. loosening torque: 4100 Nm
Short design – only 184 mm!

Perfect for industry,
commercial vehicles and
agriculture!

**Strongest
impact wrench
in the HAZET range!**



Including:
360° rotating handle



■	Max. Nm	Max. Nm	Nm	rpm	1/min	1/4" drive Ip A	1/2" drive Ip W	mm³/s	l/min	l/min	kg
■	4100	2170	1890	5200	243.5	99.5	110.5	10.69	13	4.5	

YouTube clip



Pneumatic impact wrench with new innovative Twin Turbo Technology



9013LGTT

- **Max. loosening torque: 3,800 Nm**(determined with screw size M32)
- Strongest HAZET **20** 3/4" impact wrench series ever!
- Maximum tightening torque of 2020 Nm
- 5200 revolutions/minute
- *Length of spindle: 186 mm For reaching deeply located screw Connections*
- Including handrail
- Suitable for this :

low noise hose for noise reduction **20** 3/4"

9040-012 (12,91 mm ~ 1/4")

9040-013 (16,41 mm ~ 3/8")



Twin Turbo impact wrench

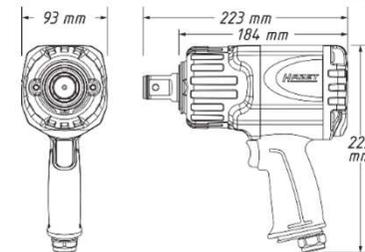


Extra strong impact wrench **25 1" 9014TT**

- **Max. loosening torque: 4100 Nm** (determined with screw size M32)
- Long service life and high efficiency in the industrial and automotive application
- Short, compact design
- One-hand operation for left- and right-handed users
- Incl. optional retaining bracket 360° adjustable
- Connection base for low noise hose
- Exhaust air duct through the handle downwards
- Vibration arm
- Easy handling
- Suitable safety coupling 20.95 1/2": 9000-62

Superstark und handlich – Pistolen-Form!

Geringes Gewicht – nur 4.6 kg trotz hoher Leistung von 4.100 Nm max. Lösemoment!



25 1"	1898	2170	4100	5200	4.6	13	235	101.9	112.9	19.11	✓	✓

Twin Turbo impact wrench

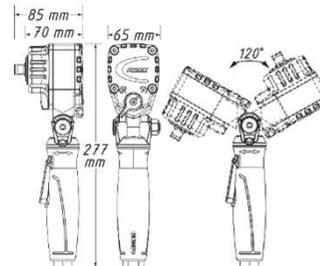


Das Werkzeug

Rotatable impact wrench 9012ATT

- **Max. loosening torque: 550 Nm** (determined with screw size M16)
- Actuation of brake caliper screw connections as well as other difficult to reach screw connections in the area of steering shock absorbers, gears and in machine and plant construction
- Handle/trigger adjustable around its own axis for optimal handling allows operation in any position
- Innovative swivel mechanism for extended
- Range of application guarantees best Accessibility
- Vibration arm
- Easy handling
- One-hand operation for Left- and right-handed

Short, compact, angled design - only 70 mm! For previously unattainable installation spaces



	Nm	Max. Nm	Max. Nm	upm	kg	Ø mm	Vmin	dB(A) Lp A	dB(A) Lp W	m/s²		
12 1/2	450	500	550	8000	1.3	10	113	90.1	101.1	4.89	✓	✓

Pneumatic Tools – Impact Wrenches



Das Werkzeug



20 3/4"
1800 Nm*



20 3/4"
1890 Nm*



25 1"
3400 Nm*



25 1"
3400 Nm*
With longer spindle! (240 mm)

* Max. Loosening Torque

Pneumatic Tools – Air Ratchets



Mini Air Ratchets

Activation lever on the side for user – friendly operation, particularly in confined spaces



6.3 1/4" 40 Nm



10 3/8" 54 Nm



12.5 1/2" 108 Nm

Impact ratchet

Reaction-free · Suitable for hand retightening > 270 Nm



12.5 1/2" 102 Nm

High Performance Air Ratchet

Sturdy Workshop Construction – especially suitable for long-term work in industrial production processes



12.5 1/2" 95 Nm



12.5 1/2" 95 Nm (Quiet-Mode)
120 Nm (Normal-Mode)

Impact ratchet, extra long

Suitable for hand retightening up to 400 Nm
550,4 mm



12.5 1/2" 94,8 Nm

New Mini range of pneumatic tools



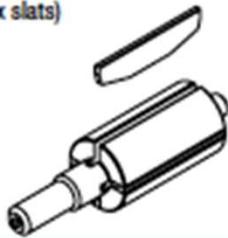
Das Werkzeug

New Mini range of pneumatic tools

NEW!

- ✓ Extremely small and handy
- ✓ High reliability and continuous operation
- ✓ Incl. safety operating lever (except 9023 M-1)
- ✓ Innovative 5-slat concept for even more power than conventional drives

Standard
(4x slats)



5-slat concept
(5x slats)



9023 M-1



9032 M-1



9033 M-7



9033 M-9



9033 M-11



9032 M-5



Pneumatic Tools



Angle Grinder



Orbital Sander



Angle Grinder



Belt Sander



Right-Angle Grinder



Sabre Saw



Needle Scaler



Mini Polisher





LED light technology



Das Werkzeug

NEW!



Innovative wireless charging!



Charging by placing it on top – wireless charging!

Available from November 2019

1979 W-82

EAN No. 400096227228

LED Pocket Light, wireless charging

- 180° adjustable plus 8 stage lockable foot



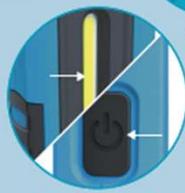
Efficient and convenient charging function due to optimised self-positioning of the light on the pad



Top light/hook



4-stage battery status and state-of-charge display



Progressively dimmable from 30 to 300 Lumen

Charging time (h)	Operating time (h)	Protection rating IP	Luminous flux Lumen	Impact resistance	Battery	l mm
1.5	2 – 10	IP65	30 – 300	(EN62262) IK09	3.7V, 1200 mAh, rechargeable Li-Ion battery pack	133

1979 W/3

EAN No. 400096227969

LED light set

- Contents:
- 1979 W-82, LED Pocket Light, wireless charging
 - 1979 W-91, LED Slim Light, wireless charging
 - 1979 WP-2, charging pad wireless, for two lights



1979 W-91

EAN No. 400096227938

LED Slim Light, wireless charging

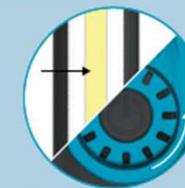
- For extremely tight application fields



Strong rubberised holding magnet at the bottom. 360° rotation retaining hook



Top light/ aluminum head piece



Main light progressively dimmable from 100 to 1000 Lumen



4-stage battery and charging status display and dimmer switch on the back

Operating time (h)	Charging time (h)	Protection rating IP	Luminous flux Lumen	Impact resistance	Battery	l mm
1.5 – 8	3.5	IP65	100 – 1000	(EN62262) IK07	3.7V, 2500 mAh, rechargeable Li-Ion battery pack	305

Wireless charging pad

- Optimised self-positioning of one/two light(s) on the pad



Incl. 4 screw holes



Holding magnets on the back of the pad for fastening to magnetic substrates



Optionally possible to charge the battery either via pad or USB port

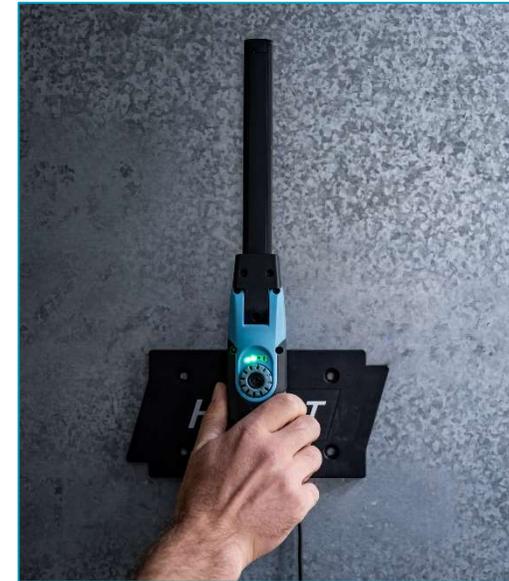
HAZET No.	Designation	Self-positioning on the pad	EAN-No. 400096+
1979 WP-1	For wireless charging of the LED lights HAZET 1979W-91 and 1979W-82.	For 1 light	227952
1979 WP-2	Delivery incl. 100 cm USB C-cable, without USB adapter	For 2 lights	227945

Wireless charging



Recharge 2.0 - Innovative wireless charging

- charging by hanging up : Efficient and comfortable charging function due to optimised self-positioning of the light on the pad
- **No cable chaos:** Tripping hazards due to charging cables are eliminated; the workshop leaves a tidy impression
- **Magnetic holder:** flexible positioning on magnetic surfaces
- **Self-positioning:** reliable and easy placement of the lamp on the loading area
- **Additional charging source:** USB output enables additional classic charging



Same charging capacity as with conventional charging via cable!

Wireless charging



LED Pen Light set

wireless charging

1979W-11/3



Contents:

- 2 x 1979 W-11 Pen light
- 1979 WP-2 loading pad for 2 lights
- USB-C Cable (100 cm)
- 2 A 5V power cord
- Protection type (IP): IP65
- Protection type (IK): IK07

LED Light Set

wireless charging

1979NW/3



Contents:

- 1979 W-11 Pen light
- 1979 W-82 Pocket light
- 1979 WP-2 loading pad for 2 lights
- USB-C Cable (100 cm)
- 2 A 5V power cord
- Protection type (IP): IP65
- Protection type (IK): IK07

LED light technology



Das Werkzeug

NEW!

Increased functionality by an additional 230V socket on back enables coupling and operation of additional devices



1x
1979 FC-40

2x
1979 FC-60

Protection rating: IP54

Impact and fall-proof, Impact resistance: IK09



Rotatable dimmer switch for infinite adjustment/power indication

Base: 90° adjustable



LED work spotlight

Max.
6000 Lumen!



1979 FC-40



1979 FC-60

Optionally with
40 or 60 Watts!

- Ideal work / construction spotlight for renovations, painting work or car repairs, for example
- Rotatable dimmer switch for infinite adjustment
 - Robust PU housing with surrounding aluminium components for better heat dissipation
 - Visual power indication: 4-stage
 - Base: 90° adjustable
 - Increased functionality by an additional 230V socket (1979 FC-40: 1x socket / 1979 FC-60 2x sockets) on back enables coupling and operation of additional arbitrary devices

HAZET No.	Uniform room lighting	Cable length	Luminous flux Lumen	Watt	l mm	EAN-No. 400096+
1979 FC-40	Energy efficient COB LED technology	5 m (#407RN) 3x 1.5 mm ²	400 - 4000	40	290	227239
1979 FC-60	Energy efficient SMD LED technology		600 - 6000	60	360	227822



NEW!

Accessories

1979 F-01

EAN-No. 400096227815

NEW!

Light diffuser

- Attachment for better and homogeneous room illumination and for 360° light diffusion
- Attachment can be locked using a bayonet fitting



1979 F-02

EAN-No. 400096227808

NEW!

Magnetic holder

- Additional coating of the magnets protects surfaces against damage
- Can be locked using the enclosed fastening screw
- Magnetic retention force max.: 10 kg



1979 F-03

EAN-No. 400096227174

NEW!

Telescopic tripod

- Tripod permits a secure stand on different surfaces
- Foot locking and height locking option
- Incl. additional cable guides on tripod
- Height max.: 185 cm
- Height min.: 120 cm
- Load-carrying capacity: 30 kg



Workshop-Equipment



Professional Borescopes



Usable with further probes with adapter
4812-20:

Ø 3,9 mm
(Semi flexible)



Adapter from old to
new



Ø 6,0 mm
(Sizeivel range
2 x 150°)



Adapter from new to
old



Professional Borescopes



Probe for video borescope
4812 N-2 AF



Video borescope with new
sizeivelling probe
4812 N-10/3 AF





Tool competence for commercial vehicles / AgrarHAZET - The commercial vehicle partner



Das Werkzeug



Tool competence for commercial vehicles / AgrarHAZET - The commercial vehicle partner



Das Werkzeug



Tool competence for commercial vehicles / AgrarHAZET - The commercial vehicle partner



Das Werkzeug



Co-operations



Co-operations



Co-operations



Mercedes-Benz



Over 1,500 "MUST HAVE" Tools



HAZET	VW
2588-14	T10120
2577-2	541/1
4502	3084
1973/4	VAG1878
2587-1	VAG 3387



HAZET	AUDI
2588-16	T10121
2587	V-159
2588-6	T10098 A



HAZET	SEAT
2588-110	T10100
3688-10	10170
2587	U-30009

Over 1,500 "MUST HAVE" Tools



**BMW
GROUP**



HAZET	BMW
2988-21	11.9.270
2988-9	11.5.180
2988-36	11.9.301

HAZET	FORD
3488-1	21-162B
2588-8	303-1054
3488-3	23-029

HAZET	FIAT
3088-11	1860905000
3688-2	1860985000
3788-5	1860965000

Over 1,500 "MUST HAVE" Tools



HAZET	CITROEN
3788-2	7017-TR
3788-4	5711-TB
3788-6	4527-TS1

HAZET	PEUGEOT
3788-15	0188-P
3788-16	0188-X
3788-22	0194-C

HAZET	RENAULT
3888-76	Mot 1705
3888-2	Mot 1318
3888-3	Mot 910-1

Over 1,500 "MUST HAVE" Tools



Mercedes-Benz

HAZET	MERCEDES-BENZ
1557/32	000 589 01 10 00
1000-41	000 589 10 09 00
2760	000 589 24 07 00



HAZET	ALFA
3690-2	1.825.041.000
3690-3	1.825.042.000
3690-1	1.822.154.000



ŠKODA

HAZET	SKODA
2588-14	T10120
2588-15	T10123
2588-16	T10121

Over 1,500 "MUST HAVE" Tools



VAUXHALL

HAZET	OPEL
3088-18	KM-6625
3088-19	KM-6340
3088-20	KM-6628

HAZET	VAUXHALL
3088-1	KM-932
3088-16	KM-852
3088-17	KM-911

OEM / OES Partnerships and Co-operations



Automotive brands (examples)

BMW GROUP



Audi



Mercedes-Benz



PORSCHE



OEM-partner



HAZET – Sales Promotion



Worldwide 20 Info Vans with technical consultants





Das Werkzeug

Gutes
Werkzeug
ist
Vertrauens-
sache!

Good Tools are a Matter of Trust!

An advertisement for HAZET tools. The main image shows a person's arm reaching out from the right, holding a silver HAZET adjustable wrench. Another person's arm reaches up from the bottom left, also holding a similar wrench. They are positioned on a rocky cliffside. In the background, a large, snow-capped mountain peak rises against a clear blue sky. The overall scene conveys a sense of reliability and trust in the tools.

www.hazet.de

A smaller version of the HAZET logo is located in the bottom right corner of the advertisement image. It includes the text "Geniales Werkzeug" below the logo.

Thank You for Your Attention!



We're looking forward to further co-operation!