



# HAMMERS / STRIKING TOOLS

## ENGINEERS' HAMMERS

>503



## CLUB HAMMERS

>508



## SLEDGE HAMMERS

>510



## BRICKLAYER'S HAMMERS

>513



## CARPENTER'S HAMMERS

>513



## HAMMERS MISCELLANEOUS

>514



## RECOILLESS HAMMERS

>515



## SAFETY HAMMERS /

WOODEN / COPPER /  
LEAD HAMMERS

>516



## FORGING TOOLS

>519



## CHISELS

>520



## DRIFT / CENTRE /

PIN PUNCHES / SETS

>524



## BENDING BARS / PRYBARS /

NAIL LIFTER / CROWBARS

>528



# SAFETY

## BEAT BY BEAT

For Rough Work and Precision Alike

### Large selection of hammers

- > From the tile hammer, recoilless hammer, forging tool and engineer's hammer through to the sledge hammer
- > Top-grade industrial quality for the hardest of continuous uses
- > Available singly or in practical sets
- > Customised manufacturing and types on request

### Large selection including chisels, center punches and drift punches

- > With optional hand guard
- > Also available in the range/set
- > Precisely hardened and annealed - long service life

### Top quality - everything from a single source

- > The base is made up of stringently controlled quality steel and meticulously selected wood
- > Experienced and reliable specialists vouch for precision-like processing
- > Hammer head and shaft (up to 400 mm) are made in GEDORE's own production facilities in Germany
- > Stringent quality checks after each production step ensure a constantly high level



### ROTBAND-PLUS system - dependability under extreme loading

- > Hammers utilise the patented ROTBAND-PLUS securing system - "no losing of heads" as a result
- > The ideal aid for site work
- > Models with extra inductively tempered edges of the faces

### GEDORE hammers and GEDORE chisels - An alliance for safe working

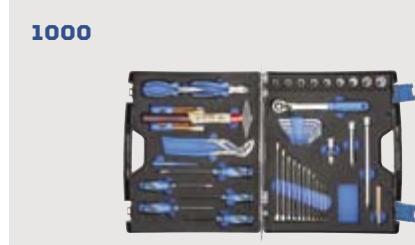
Considerable forces are liberated on hammer face and chisel head impacting on each other.



GEDORE hammers and chisels are optimally adapted to each other. Their regulation-compliant geometrical shape diverts the bulk of the forces raised towards the chisel tip.

In the case of hammers and chisels which are not ground in a regulation-compliant manner, most of the force raised is not transferred to the chisel tip and can, as a result, give rise to serious injuries.

ROTBAND-PLUS										
600 E	●	○	●	○	○	○	○	○	100 – 2000	○
600 H	●	●	○	○	○	○	○	○	100 – 2000	○
600 IH	●	●	○	○	○	○	○	●	200 – 2000	○
4 E	○	○	●	○	○	○	○	○	50 – 2000	○
4 H	○	●	○	○	○	○	○	○	50 – 2000	○
4 K	○	○	○	○	○	●	○	○	200 – 1000	○
500 F	○	○	○	○	●	○	○	○	200 – 2000	○
500 ST	○	○	○	●	○	○	○	○	300 – 500	○
8601	○	○	●	○	○	○	○	○	1/4 LBS – 2 LBS	○
65 E	○	○	●	○	○	○	○	○	100 – 600	○
620 E	●	○	●	○	○	○	○	○	1000 – 2000	○
620 H	●	●	○	○	○	○	○	○	1000 – 2000	○
20 E	○	○	●	○	○	○	○	○	1000 – 10000	○
20 H	○	●	○	○	○	○	○	○	1000 – 10000	○
20 F	○	○	○	○	●	○	○	○	1000 – 10000	○
20 ST	○	○	○	●	○	○	○	○	1000 – 1250	○
609 H	●	●	○	○	○	○	○	○	3000 – 8000	○
9 E	○	○	●	○	○	○	○	○	3000 – 8000	○
9 H	○	●	○	○	○	○	○	○	3000 – 8000	○
9 F	○	○	○	○	●	○	○	○	3000 – 8000	○
9 G	○	○	○	○	○	○	●	○	5000	○
29 ST	○	○	○	●	○	○	○	○	500	○
94 ST	○	○	○	●	○	○	○	○	600	○
93 ST	○	○	○	●	○	○	○	○	600	○
75 GSTM	○	○	○	all-steel		○	○	○	600	●
75 STK	○	○	○	●	○	○	○	○	600	○
75 ST	○	○	○	●	○	○	○	○	600	○
75 STKM	○	○	○	●	○	○	○	○	600	●
75 STM	○	○	○	●	○	○	○	○	600	●
71 GSTM	○	○	○	all-steel		○	○	○		●
677 H	●	●	○	○	○	○	○	○	300	○
77 ST	○	○	○	●	○	○	○	○	400	○
77 E	○	○	●	○	○	○	○	○	330	○



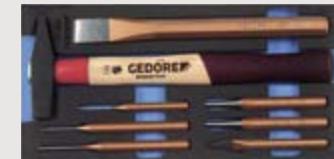
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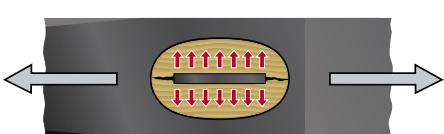
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1500 CT1-350

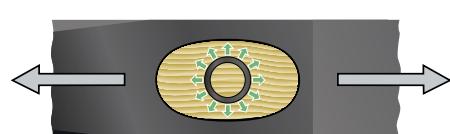
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# HOW CAN I TELL IF THE HAMMER IS A RELIABLE ONE?



No clamping force in the direction of motion thanks to the flat wedge.



The **tapered collar** evenly distributes the clamping force across 360° i.e. also in the direction of motion. The wood fibre structure is not ruined. There is no slackening of the hammer head even after



several hundred strikes. The barbed hook ensures a positive fit and stops the tapered collar from loosening. A safety "extra".

## WOODEN HANDLES



### Hickory handles

- High quality and extremely break-proof wood. Compared with ash the physical load stability of hickory is around 3-4 times higher
- Long-fibre structure: More safety in the event of a handle breakage - the wood is held together by the long fibres and hence uncontrolled separation of the broken handle as well as the hammer head is avoided
- Vibration dampening
- Long life = very good price-performance ratio



### Ash handles

- This wood is prescribed by the DIN as the minimum wood quality
- Inexpensive
- Break-proof
- Short-fibre structure: the short fibres in the wood mean that, in the event of a break, the shaft cannot be held together. The shaft breaks into two parts.

### **i** Wood is a natural product!

- GEDORE uses only wood types and timbers that comply with DIN 68 340 (Wooden Shafts for Impact Tools)
- Wood retains its natural properties even after processing
- Trees regulate their moisture content by giving off moisture through their pores. This property is retained in processed wood. This means that a wooden hammer shaft loses moisture through its pores when the air humidity is low and shrinks. Too much moisture causes the wooden shaft to swell up and damages the wooden fibres.

- DIN 68 340 defines the required moisture content of the hammer shaft at the time of joining the shaft to the head. This must be between 12 % and 14 % in relation to the dry weight. In-house manufacture under continuous quality controls guarantees compliance with the requirements of DIN 68 340

### Tip

- Before use, always check that the hammer head is securely attached to the shaft!
- Never store the hammer in too dry conditions!
- Storage in well-heated rooms or near a source of heat is particularly harmful, drawing moisture out of the hammer shaft, causing the shaft section to shrink. In extreme cases, the secure fit of the hammer head on the shaft can no longer be guaranteed.

## STEEL TUBE, FIBRE GLASS OR PLASTIC HANDLES



### Tubular steel handles

- High bending strength
- Resistant to the influence of weather



### Fibre glass handles

- Robust - virtually unbreakable
- Insensitive to all weather conditions - can also be fully used in minus temperatures and is still unbreakable
- Resistant to all common chemicals such as for example oils and greases



### Rubber grip and steel tube handle

- Resilient
- Unbeatable price-performance ratio since the hammer is very durable
- Vibration dampening
- Resistant to petrol and oil
- Serrated gripping zones for a firm grip

### Note

- Intensive testing of steel tube, fibre glass and plastic shafts as to a firm fit in the hammer head is required. Preference is for hammers with an additionally secured head. The head is also positively fitted to the hammer shaft by means of a spring pin.
- Rubber handgrip feature: make sure the handgrip is firmly bonded to the shaft. Try out the turning test. A handgrip which can still be turned on the hammer shaft does not meet the DIN-prescribed figures.

### **i** Safety notes for fibre glass handles

- Mishits with fibre glass tools can lead to the material fibre detaching.
- To stop these fibres inflaming the skin, we would recommend safety gloves being worn during the work.

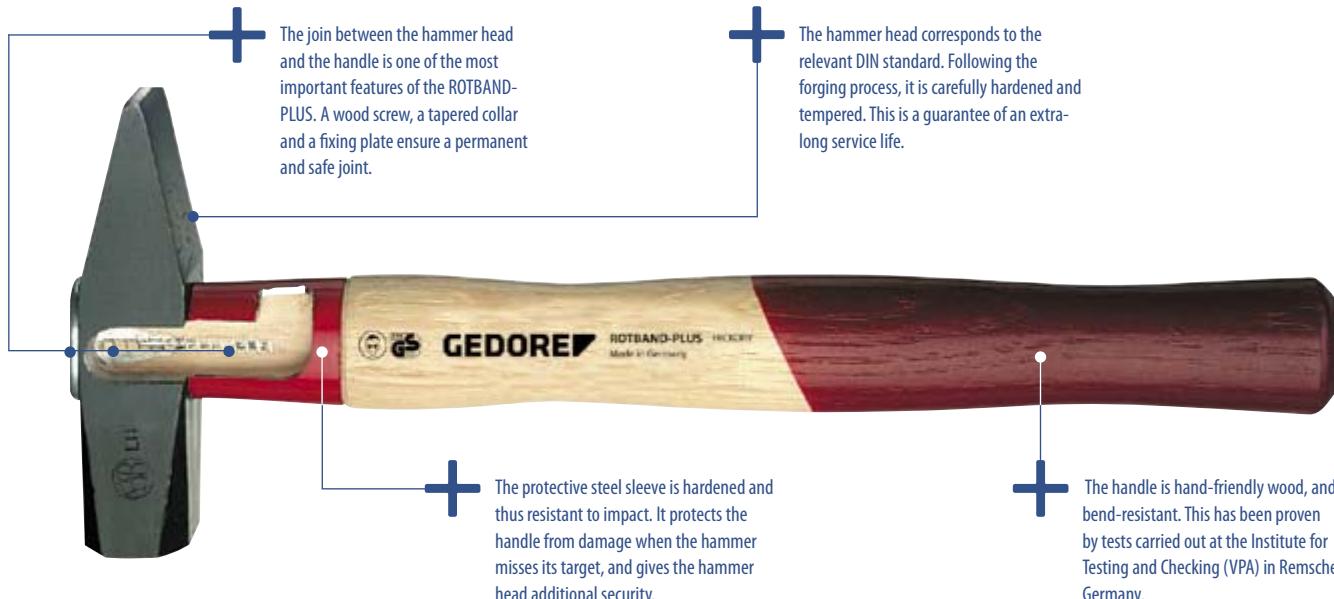
### SAFETY NOTES FOR HAMMERS

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# ROTBAND-PLUS HAMMERS

THE ORIGINAL - A safe join



## ROTBAND-PLUS hammer

- The hammer shaft is pressed into the hammer head.
- The ring wedge is pressed in to secure the shaft in the eye of the hammer head.
- The round, conical form ensures an all-round, uniform pressure.
- Tightening the wood screw ensures a positive fit of the safety plate with the shaft.



## Safety principle

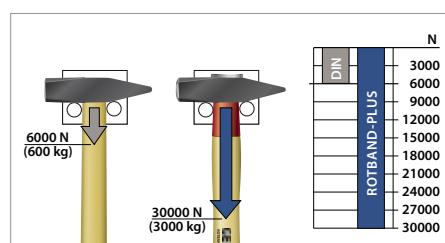


**Unprotected hammer handle**  
After 30 impacts:  
Noticeable damage to the handle - risk of breakage!

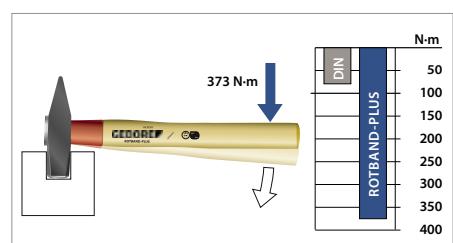


**GEDORE**  
**Wooden handle with ROTBAND-PLUS Safety Feature**  
After 1,000 impacts: Slight traces in the paint, no deformation, absolutely firm seating.

## Features



The values required by the German Standards Institute (DIN) are exceeded considerably. According to the report by the Institute for Testing and Checking (VPA) in Remscheid, with the ROTBAND-PLUS hammers more than five times the required force was attained.



Due to the hardened ROTBAND-PLUS protective sleeve for the handle and the fixing plate, the bending strength of the ROTBAND-PLUS hammers exceeds that of standard DIN hammers by a wide margin.

## All the benefits at a single glance

- Patented handle join ROTBAND-PLUS
- The protective steel sleeve, the tapered collar, the fixing plate and the wood screw bond the hammer head and the handle into one unit = maximum work safety
- Best price-performance ratio
- The protective steel sleeve protects the handle from damage when the hammer misses its target and guarantees thus a long service life
- With the standardised ROTBAND-PLUS handles every standardised hammer head can be turned into a ROTBAND-PLUS hammer.



## Hammers / Striking Tools

### Engineers' hammers ROTBAND-PLUS

#### 600 E + 600 H ENGINEERS' HAMMER ROTBAND-PLUS

- › Forged hammer head DIN 1041
- › With contoured ash (E 600 E) or hickory (E 600 H) handle DIN 5111, additionally shaped with a long hardened handle protective steel sleeve
- › The tapered collar, fixing plate and wood screw bond the hammer head and the handle into one unit
- › ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio



##### Ash

	$\text{g}$	$\text{l mm}$	$\frac{\text{kg}}{\text{m}}$	Code	No.
<b>100</b>	260	0.188		8581610	600 E-100
<b>200</b>	280	0.325		8581880	600 E-200
<b>300</b>	300	0.502		8581960	600 E-300
<b>400</b>	310	0.605		8582180	600 E-400
<b>500</b>	320	0.727		8582260	600 E-500
<b>600</b>	330	0.841		8582340	600 E-600
<b>800</b>	350	1.135		8582420	600 E-800
<b>1000</b>	360	1.326		8582500	600 E-1000
<b>1500</b>	380	1.908		8582690	600 E-1500
<b>2000</b>	400	2.491		8582770	600 E-2000

##### Hickory

	$\text{g}$	$\text{l mm}$	$\frac{\text{kg}}{\text{m}}$	Code	No.
<b>100</b>	260	0.188		8582850	600 H-100
<b>200</b>	280	0.325		8582930	600 H-200
<b>300</b>	300	0.502		8583070	600 H-300
<b>400</b>	310	0.605		8583150	600 H-400
<b>500</b>	320	0.727		8583230	600 H-500
<b>600</b>	330	0.840		8583310	600 H-600
<b>800</b>	350	1.135		8583580	600 H-800
<b>1000</b>	360	1.326		8583660	600 H-1000
<b>1500</b>	380	1.908		8583740	600 H-1500
<b>2000</b>	400	2.491		8583820	600 H-2000

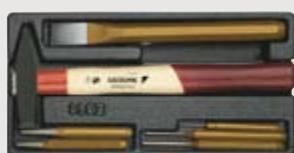
#### 600 IH ENGINEERS' HAMMER ROTBAND-PLUS

- › Forged hammer head DIN 1041
- › The edges of the flat side of the head are induction hardened
- › With contoured hickory handle DIN 5111, additionally shaped with a long hardened handle protective steel sleeve
- › The tapered collar, fixing plate and wood screw bond the hammer head and the handle into one unit
- › ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio



	$\text{g}$	$\text{l mm}$	$\frac{\text{kg}}{\text{m}}$	Code	No.
<b>200</b>	280	0.325		8583900	600 IH-200
<b>300</b>	300	0.502		8584040	600 IH-300
<b>400</b>	310	0.605		8584120	600 IH-400
<b>500</b>	320	0.727		8584200	600 IH-500
<b>600</b>	330	0.841		8584390	600 IH-600
<b>800</b>	350	1.135		8587300	600 IH-800
<b>1000</b>	360	1.326		8587490	600 IH-1000
<b>1500</b>	380	1.908		8587570	600 IH-1500
<b>2000</b>	400	2.491		8588970	600 IH-2000

1500 ES-350/1500 CT1-350



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## HELVING - MADE EASY

- > Hammer the handle into the hammer head until it reaches the casing
- > Drive the tapered collar into the centre of the handle
- > Fasten the safety plate with a wood screw



## E 600 E + E 600 H SPARE HANDLE ROTBAND-PLUS FOR ENGINEERS' HAMMERS

- > Ash (E 600 E) or hickory (E 600 H) DIN 5111
- > With hardened handle protective steel sleeve, tapered collar, fixing plate and wood screw
- > With this standard wooden handle, according to DIN 5111 it is possible to convert even ordinary hammer heads, as long as they are to DIN standards, to a ROTBAND-PLUS-hammer
- > Method: Hammer the handle into the hammer head until it reaches the casing. Drive the tapered collar into the centre of the handle. Fasten the safety plate with a wood screw



Ash	for █ g	█ mm █	█ kg █	Code	No.
<b>100</b>	260	0.076	8589000	E 600 E-100	
<b>200</b>	280	0.099	8589190	E 600 E-200	
<b>300</b>	300	0.150	8589270	E 600 E-300	
<b>400</b>	310	0.179	8589350	E 600 E-400	
<b>500</b>	320	0.185	8589430	E 600 E-500	
<b>600</b>	330	0.214	8589510	E 600 E-600	
<b>800</b>	350	0.210	8589780	E 600 E-800	
<b>1000</b>	360	0.288	8589860	E 600 E-1000	
<b>1500</b>	380	0.350	8589940	E 600 E-1500	
<b>2000</b>	400	0.377	8593700	E 600 E-2000	

Hickory	for █ g	█ mm █	█ kg █	Code	No.
<b>100</b>	260	0.081	8593890	E 600 H-100	
<b>200</b>	280	0.120	8595080	E 600 H-200	
<b>300</b>	300	0.134	8595160	E 600 H-300	
<b>400</b>	310	0.180	8595240	E 600 H-400	
<b>500</b>	320	0.198	8596480	E 600 H-500	
<b>600</b>	330	0.234	8596560	E 600 H-600	
<b>800</b>	350	0.296	8596640	E 600 H-800	
<b>1000</b>	360	0.315	8597880	E 600 H-1000	
<b>1500</b>	380	0.373	8597960	E 600 H-1500	
<b>2000</b>	400	0.442	8599070	E 600 H-2000	

## E 5 SPARE TAPERED COLLAR

- > For safe fastening of the wooden handles



Ø	█ mm █	█ kg █	Code	No.
<b>7</b>	12.0	0.001	8593970	E 5-100
<b>8</b>	15.0	0.003	8594000	E 5-200
<b>10</b>	17.0	0.004	8594190	E 5-300
<b>11</b>	18.0	0.005	8594270	E 5-400
<b>12</b>	20.0	0.007	8594350	E 5-500

Ø	█ mm █	█ kg █	Code	No.
<b>13</b>	20.0	0.008	8594860	E 5-600
<b>14</b>	21.0	0.009	8594430	E 5-800
<b>14</b>	21.0	0.010	8594940	E 5-1000
<b>15</b>	23.5	0.013	8594510	E 5-1500
<b>16</b>	23.0	0.014	8594780	E 5-2000

## Engineers' hammers

### HANDLE TYPES

› For more information on handle types see page 501



### 4 E + 4 H ENGINEERS' HAMMER

› Forged hammer head DIN 1041

› With ash (E 4 E) or hickory handle (E 4 H) to DIN 5111



#### Ash

	g	l-mm	kg	Code	No.
<b>50</b>	250	0.089	8586090	4 E-50	
<b>100</b>	260	0.158	8586170	4 E-100	
<b>200</b>	280	0.275	8586250	4 E-200	
<b>300</b>	300	0.440	8586330	4 E-300	
<b>400</b>	310	0.530	8586410	4 E-400	
<b>500</b>	320	0.625	8586680	4 E-500	
<b>600</b>	330	0.750	8586760	4 E-600	
<b>800</b>	350	0.930	8586840	4 E-800	
<b>1000</b>	360	1.180	8586920	4 E-1000	
<b>1500</b>	380	1.760	8587060	4 E-1500	
<b>2000</b>	400	2.320	8587140	4 E-2000	

#### Hickory

	g	l-mm	kg	Code	No.
<b>100</b>	260	0.168	8590280	4 H-100	
<b>200</b>	280	0.300	8590360	4 H-200	
<b>300</b>	300	0.460	8590440	4 H-300	
<b>400</b>	310	0.550	8590520	4 H-400	
<b>500</b>	320	0.650	8590600	4 H-500	
<b>600</b>	330	0.760	8590790	4 H-600	
<b>800</b>	350	1.030	8590870	4 H-800	
<b>1000</b>	360	1.210	8590950	4 H-1000	
<b>1500</b>	380	1.859	8591090	4 H-1500	
<b>2000</b>	400	2.370	8591170	4 H-2000	

### E 4 E + E 4 H SPARE HANDLE

› Ash (E 4 E) or hickory handle (E 4 H), acc. to DIN 5111

› With oval fixing hole, i.e. for engineers' hammers



#### Ash

for	g	l-mm	kg	Code	No.
<b>50</b>	250	0.033	8587650	E 4 E-50	
<b>100</b>	260	0.045	8587730	E 4 E-100	
<b>200</b>	280	0.085	8587810	E 4 E-200	
<b>300</b>	300	0.099	8588030	E 4 E-300	
<b>400</b>	310	0.100	8588110	E 4 E-400	
<b>500</b>	320	0.160	8588380	E 4 E-500	
<b>600</b>	330	0.140	8588460	E 4 E-600	
<b>800</b>	350	0.165	8588540	E 4 E-800	
<b>1000</b>	360	0.183	8588620	E 4 E-1000	
<b>1500</b>	380	0.196	8588700	E 4 E-1500	
<b>2000</b>	400	0.261	8588890	E 4 E-2000	

#### Hickory

for	g	l-mm	kg	Code	No.
<b>100</b>	260	0.058	8591330	E 4 H-100	
<b>200</b>	280	0.085	8591410	E 4 H-200	
<b>300</b>	300	0.085	8591680	E 4 H-300	
<b>400</b>	310	0.120	8591760	E 4 H-400	
<b>500</b>	320	0.140	8591840	E 4 H-500	
<b>600</b>	330	0.150	8591920	E 4 H-600	
<b>800</b>	350	0.210	8592060	E 4 H-800	
<b>1000</b>	360	0.225	8592140	E 4 H-1000	
<b>1500</b>	380	0.190	8592220	E 4 H-1500	
<b>2000</b>	400	0.280	8592300	E 4 H-2000	

## 4 K ENGINEERS' HAMMER

- › Forged hammer head DIN 1041
- › With Ultramid® plastic handle and safety wedge
- › Ultramid® = trade name of BASF AG, Germany



## E 4 K SPARE HANDLE

- › Made from Ultramid® plastics
- › Suitable for all hammer heads acc. to DIN 1041
- › Delivery complete with tapered collar and fixing clip
- › Ultramid® = trade name of BASF AG, Germany



<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>200</b>	280	0.280	8812950	4 K-200
<b>300</b>	300	0.430	8604170	4 K-300
<b>500</b>	320	0.630	8604330	4 K-500
<b>800</b>	350	1.020	8604680	4 K-800
<b>1000</b>	360	1.160	8604760	4 K-1000

<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>280</b>	0.070	8897170	E 4 K-200
<b>300</b>	0.090	8897250	E 4 K-300
<b>320</b>	0.120	8897330	E 4 K-500
<b>350</b>	0.180	8897410	E 4 K-800
<b>360</b>	0.192	8897680	E 4 K-1000

## 500 F ENGINEERS' HAMMER

- › Forged hammer head
- › Nearly unbreakable fibreglass handle with plastic grip
- › Additionally hardened handle protective steel sleeve, with secured head
- › Induction tempered edges of the flat side of the head available on request



<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>200</b>	280	0.360	8598180	500 F-200
<b>300</b>	300	0.570	8598260	500 F-300
<b>400</b>	310	0.660	8598340	500 F-400
<b>500</b>	320	0.770	8598420	500 F-500
<b>600</b>	330	0.900	8598500	500 F-600
<b>800</b>	350	1.174	8598690	500 F-800
<b>1000</b>	360	1.398	8598770	500 F-1000
<b>1500</b>	380	1.838	8598850	500 F-1500
<b>2000</b>	400	2.352	8598930	500 F-2000

<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>300</b>	270	0.575	8606620	500 ST-300
<b>500</b>	300	0.780	8606890	500 ST-500

<b>248 ST</b>	<b>516</b>

## 6 NA

### SOFT FACE CAP

for engineers' hammers

› Polyethylene



for ─► g	kg	Code	No.
<b>300</b>	0.025	8605570	6 NA-300
<b>500</b>	0.050	8605650	6 NA-500
<b>800</b>	0.060	8605730	6 NA-800
<b>1000</b>	0.053	8802990	6 NA-1000

## 8601

### ENGINEER'S BALL PEIN HAMMER WITH BALL

- › With hickory handle
- › Hardened and tempered steel to EN 10083
- › Enamelled, face and ball ground



lbs ─►	mm	kg	Code	No.
<b>1/4</b>	270	0.172	6764030	8601 1/4
<b>1/2</b>	290	0.307	6764110	8601 1/2
<b>3/4</b>	310	0.475	6764380	8601 3/4
<b>1</b>	325	0.565	6764460	8601 1
<b>1.1/8</b>	350	0.605	1429078	8601 1.1/8
<b>1.1/4</b>	350	0.772	6764540	8601 1.1/4
<b>1.1/2</b>	365	0.800	6764620	8601 1.1/2
<b>1.3/4</b>	400	0.900	1429108	8601 1.3/4
<b>2</b>	380	1.073	6764700	8601 2

## E-8601

### SPARE HANDLE HICKORY

mm	kg	Code	No.
<b>270</b>	0.105	1431056	E-8601 1/4
<b>290</b>	0.120	1431102	E-8601 1/2
<b>310</b>	0.135	1431110	E-8601 3/4
<b>325</b>	0.150	1431129	E-8601 1
<b>350</b>	0.165	1431137	E-8601 1.1/8

mm	kg	Code	No.
<b>350</b>	0.180	1431145	E-8601 1.1/4
<b>365</b>	0.195	1431153	E-8601 1.1/2
<b>400</b>	0.210	1431161	E-8601 1.3/4
<b>380</b>	0.225	1431188	E-8601 2

### Joiners' hammers

## 65 E

### JOINERS' HAMMER

French pattern

› With contoured ash handle DIN 5111



mm	mm	Spare handle	kg	Code	No.
<b>20</b>	280	E 4 E-200	0.240	8684340	65 E-20
<b>22</b>	300	E 4 E-300	0.350	8684420	65 E-22

mm	mm	Spare handle	kg	Code	No.
<b>25</b>	310	E 4 E-400	0.450	8684500	65 E-25
<b>28</b>	320	E 4 E-500	0.590	8684690	65 E-28

## Club hammers

### 620 E + 620 H CLUB HAMMER ROTBAND-PLUS

- › Forged head DIN 6475
- › Contoured ash (E 620 E) or hickory handle (E 620 H) DIN 5135, supplementary with long hardened handle protective steel sleeve
- › The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- › ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio


**Ash**

g	l mm	kg	Code	No.
1000	260	1.288	8886990	620 E-1000
1250	260	1.483	8887020	620 E-1250
1500	280	1.820	8887100	620 E-1500
2000	300	2.291	8887290	620 E-2000

**Hickory**

g	l mm	kg	Code	No.
1000	260	1.317	8887370	620 H-1000
1250	260	1.493	8887450	620 H-1250
1500	280	1.820	8887530	620 H-1500
2000	300	2.240	8887610	620 H-2000

### E 20 E + E 20 H SPARE HANDLE FOR CLUB HAMMERS

- › Ash (E 20 E, E 9 E) or hickory (E 20 H, E 9 H)
- › E 20 acc. to DIN 5135
- › E 9 acc. to DIN 5112


**Ash**

for hammers	l mm	kg	Code	No.
<b>20-1000, 20-1250, 46-1000, 46-1250</b>	260	0.151	8633940	E 20 E-1000
<b>20-1500, 46-1500</b>	280	0.131	8634160	E 20 E-1500
<b>20-2000, 46-2000</b>	300	0.178	8634240	E 20 E-2000
<b>9-3, 10-3, 17-3, 20-3</b>	600	0.400	8613080	E 9 E-3
<b>9-4, 10-4, 17-4, 20-4</b>	700	0.580	8613160	E 9 E-4
<b>9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6</b>	800	0.730	8613240	E 9 E-5
<b>9-8, 9-10, 17-8, 17-10, 20-8, 20-10</b>	900	1.100	8613400	E 9 E-8

**Hickory**

for hammers	l mm	kg	Code	No.
<b>20-1000, 20-1250</b>	260	0.163	8636880	E 20 H-1000
<b>20-1500</b>	280	0.136	8637180	E 20 H-1500
<b>20-2000</b>	300	0.210	8637260	E 20 H-2000
<b>9-3, 10-3, 17-3, 20-3</b>	600	0.400	8616500	E 9 H-3
<b>9-4, 10-4, 17-4, 20-4</b>	700	0.630	8616690	E 9 H-4
<b>9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6</b>	800	0.810	8616770	E 9 H-5
<b>9-8, 9-10, 17-8, 17-10, 20-8, 20-10</b>	900	0.960	8616930	E 9 H-8

### E 620 E + E 620 H SPARE HANDLE ROTBAND-PLUS

- › Contoured ash (E 620 E) or hickory handle (E 620 H) DIN 5135
- › With hardened handle protective steel sleeve, fixing plate, tapered collar and wood screw
- › For all club hammers according to DIN 6475
- › With this handle acc. to DIN, every standard DIN club hammer head can be converted to a ROTBAND-PLUS club hammer


**Ash**

for	g	l mm	kg	Code	No.
<b>1000</b>	260		0.240	8678100	E 620 E-1000
<b>1250</b>	260		0.230	8749650	E 620 E-1250
<b>1500</b>	280		0.280	8676670	E 620 E-1500
<b>2000</b>	300		0.310	8676750	E 620 E-2000

**Hickory**

for	g	l mm	kg	Code	No.
<b>1000</b>	260		0.270	8677210	E 620 H-1000
<b>1250</b>	260		0.260	8749730	E 620 H-1250
<b>1500</b>	280		0.280	8677480	E 620 H-1500
<b>2000</b>	300		0.350	8677560	E 620 H-2000

### 20 E + 20 H CLUB HAMMER

- › Forged head DIN 6475
- › With ash (E 20 E) or hickory handle (E 20 H) DIN 5135 up to 2000 g
- › As from 3 kg with ash (E 9 E) or hickory handle (E 9 H) DIN 5112


**Ash**

g	l mm	kg	Code	No.
<b>1000</b>	260	1.196	8632460	20 E-1000
<b>1250</b>	260	1.388	8632540	20 E-1250
<b>1500</b>	280	1.704	8632620	20 E-1500
<b>2000</b>	300	2.176	8632700	20 E-2000
<b>3000</b>	600	3.480	8632890	20 E-3
<b>4000</b>	700	4.280	8632970	20 E-4
<b>5000</b>	800	5.750	8633000	20 E-5
<b>6000</b>	800	6.505	8633190	20 E-6
<b>8000</b>	900	9.100	8633270	20 E-8

**Hickory**

g	l mm	kg	Code	No.
<b>1000</b>	260	1.220	8635210	20 H-1000
<b>1250</b>	260	1.406	8635480	20 H-1250
<b>1500</b>	280	1.740	8635560	20 H-1500
<b>2000</b>	300	2.275	8635640	20 H-2000

## 20 F CLUB HAMMER

- › Forged head DIN 6475
- › Nearly unbreakable fibreglass handle with plastic grip and secured head



20 F-2000



20 F-8

## 20 ST CLUB HAMMER

- › Forged head
- › With steel tube handle and plastic grip
- › Very robust and durable



<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>1000</b>	260	1.270	8815620	20 F-1000
<b>1250</b>	260	1.480	8815700	20 F-1250
<b>1500</b>	280	1.775	8815890	20 F-1500
<b>2000</b>	300	2.280	8815970	20 F-2000
<b>3000</b>	600	3.720	8816000	20 F-3
<b>4000</b>	700	4.750	8866530	20 F-4
<b>5000</b>	800	6.430	8866610	20 F-5
<b>6000</b>	800	7.098	8866880	20 F-6
<b>8000</b>	900	9.100	8866960	20 F-8

<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>1000</b>	260	1.400	8640800	20 ST-1000
<b>1250</b>	260	1.570	8640990	20 ST-1250

## 21 SOFT FACE CAP

for club hammers

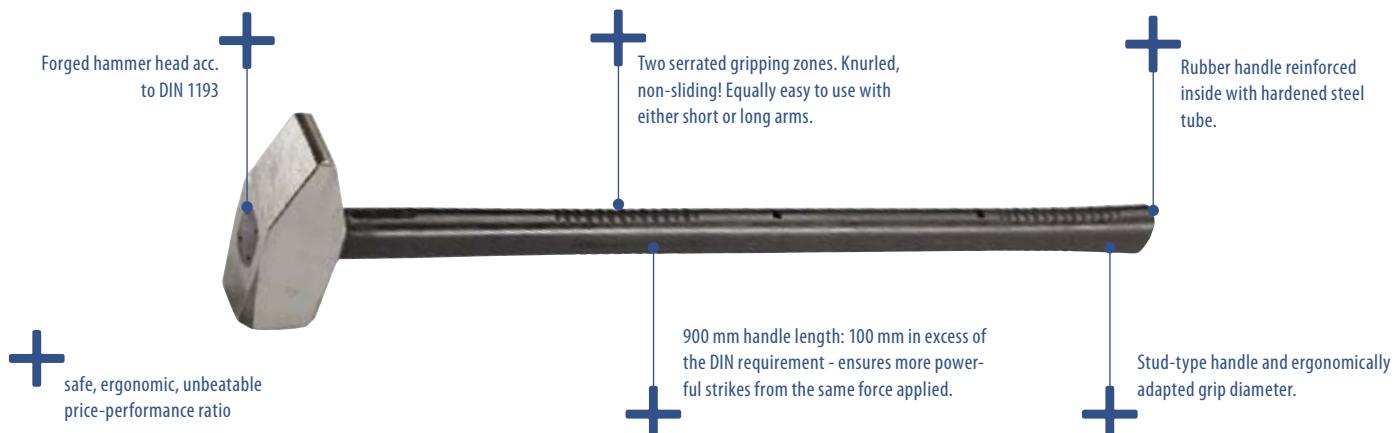


for club hammer g	kg	Code	No.
<b>1000</b>	0.330	8641960	21-1000
<b>1250</b>	0.375	8642180	21-1250
<b>1500</b>	0.310	8642260	21-1500
<b>2000</b>	0.290	8642340	21-2000

## Sledge hammers

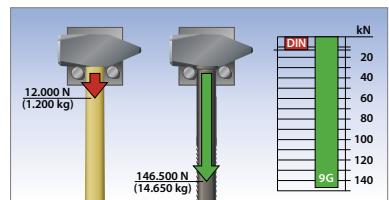
**GuStaV** Gu = Rubber Sta = Steel V = Version

### THE WORLD'S SAFEST HAMMER



#### HIGHEST SAFETY

- since the hammer head is intractably fitted with the handle
- since value DESIGNATED 1,200 kg (12,000 N) / value ACTUAL 9 GuStaV: 14,650\* kg (145,500 N)
- \*the test had to be stopped at this figure as the machine no longer had any "grappling point" due to the abraded rubber at the steel handle. The hammer head remained firmly fitted to the handle.
- since a hardened steel tube is mounted in the handle. The result is an unbreakable hammer when correctly used.



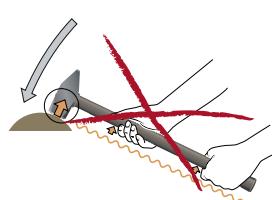
Non-tiring, fatigue-free working

#### UNBEATABLE PRICE-PERFORMANCE RATIO

- since the hammer is very durable
- Hammer head and steel tube form a keyed connection. A safety extra!
- The reinforcing bulge at the transition point from hammer handle to head ensures an even spread of forces throughout the hammer head.

#### ERGONOMIC

- since optimum handle geometry
- 100 mm longer than the DIN requirement = greater impact power from the same force applied
- Stud at the end of the handle ensures that proper gripping handle
- The handle diameter is perfectly adjusted to the geometry of one's hand
- since low-on-vibration
- The keyed connection between hammer head and steel tube in the handle is rubber-jacketed. As a result, the rubber absorbs much of the vibration arising on impact.
- The rubber layer vulcanised on the handle provides an extremely low modulus of elasticity and, in turn, absorbs most of the remaining vibrations.
- Test findings: Ingenieurbüro für Ergonomie, 67824 Feilbingert: 9 GuStaV has the same positive vibration features as a comparable wooden-shaft hammer.



## 9 GUSTAV SLEDGE HAMMER

with rubber grip and steel tube handle

- Resilient, practically unbreakable, low-on-vibration hammer
- Forged hammer head acc. to DIN 1193
- Head ground and clear varnished
- Rubber handle reinforced inside with hardened steel tube
- Hammer head and steel tube form a keyed connection. A safety extra!
- Vibrations are absorbed by the rubber handle to the same extent as with wooden shafts
- 900 mm handle length: 100 mm in excess of the DIN requirement - ensures more powerful strikes from the same force applied
- Resistant to petrol and oil
- Two serrated gripping zones. Knurled, non-sliding! Equally easy to use with either short or long arms
- Stud-type handle and ergonomically adapted grip diameter
- The reinforcing bulge at the transition point from hammer handle to head ensures an even spread of forces in the hammer eye
- DBGM (= German Utility Patent)



9  
5000

mm  
900

kg  
7.0

Code  
2250128

No.  
9 GuStaV-5

# 609 H

## SLEDGE HAMMER ROTBAND-PLUS

- › Forged hammer head DIN 1042
- › Spare handles complete with steel sleeve, tapered collar, fixing plate and wood screw
- › Hickory handle DIN 5112, with additional long and hardened steel sleeve
- › ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio



<b>g</b>	<b>l mm</b>	<b><math>\Delta</math> kg</b>	<b>Code</b>	<b>No.</b>
<b>3000</b>	600	3.755	8673220	609 H-3
<b>3000</b>	900	3.880	8673300	609 H-3-90
<b>4000</b>	700	4.940	8673490	609 H-4
<b>4000</b>	900	5.270	8673570	609 H-4-90
<b>5000</b>	800	6.035	8673650	609 H-5
<b>5000</b>	900	6.220	8673730	609 H-5-90
<b>6000</b>	800	7.045	8673810	609 H-6
<b>6000</b>	900	7.200	8674030	609 H-6-90
<b>8000</b>	900	9.185	8674110	609 H-8

# E 609 H

## SPARE HANDLE ROTBAND-PLUS

- › Hickory handle DIN 5112
- › Steel sleeve, fixing plate, tapered collar and wood screw
- › For all hammer heads according to DIN 1042
- › With this handle, every standard DIN hammer head can be converted to a ROTBAND-PLUS-sledge hammer



<b>l mm</b>	<b><math>\Delta</math> kg</b>	<b>Code</b>	<b>No.</b>
<b>600</b>	0.770	8681750	E 609 H-3
<b>900</b>	0.990	8740510	E 609 H-3-90
<b>700</b>	0.840	8681910	E 609 H-4
<b>900</b>	0.840	8740780	E 609 H-4-90
<b>800</b>	1.120	8683530	E 609 H-5

<b>l mm</b>	<b><math>\Delta</math> kg</b>	<b>Code</b>	<b>No.</b>
<b>900</b>	1.082	8740860	E 609 H-5-90
<b>800</b>	0.900	8740350	E 609 H-6
<b>900</b>	1.100	8747950	E 609 H-6-90
<b>900</b>	1.390	8683610	E 609 H-8

## 9 E + 9 H SLEDGE HAMMER

- › Forged hammer head DIN 1042
- › With ash (E 9 E) or hickory handle (E 9 H) DIN 5112
- › Delivery incl. set of safety wedges

**Ash**

<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>3000</b>	600	3.330	8612000	9 E-3
<b>3000</b>	900	3.450	8809220	9 E-3-90
<b>4000</b>	700	4.365	8612190	9 E-4
<b>5000</b>	800	5.535	8612270	9 E-5
<b>5000</b>	900	5.495	8809650	9 E-5-90
<b>6000</b>	800	6.590	8612350	9 E-6
<b>8000</b>	900	8.650	8612430	9 E-8

**Hickory**

<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>3000</b>	600	3.515	8615370	9 H-3
<b>3000</b>	900	3.705	8812360	9 H-3-90
<b>4000</b>	700	4.710	8615450	9 H-4
<b>4000</b>	900	5.040	8812440	9 H-4-90
<b>5000</b>	800	5.760	8615530	9 H-5
<b>5000</b>	900	5.800	8812520	9 H-5-90
<b>6000</b>	800	6.680	8615610	9 H-6
<b>6000</b>	900	6.795	8812600	9 H-6-90
<b>8000</b>	900	8.815	8615880	9 H-8

## E 9 E + E 9 H SPARE HANDLE

- › Ash (E 9 E) or hickory (E 9 H)
- › Acc. to DIN 5112
- › Execution -90 = 90 cm handle

**Ash**

for hammer	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>9-3, 10-3, 17-3, 20-3</b>	600	0.400	8613080	E 9 E-3
<b>9-3, 9-4</b>	900	0.660	8784210	E 9 E-3-90
<b>9-4, 10-4, 17-4, 20-4</b>	700	0.580	8613160	E 9 E-4
<b>9-5, 9-6, 10-5, 10-6, 17-5, 17-6,</b>	800	0.730	8613240	E 9 E-5
<b>20-5, 20-6</b>				
<b>9-5, 9-6</b>	900	0.840	8784480	E 9 E-5-90
<b>9-8, 9-10, 17-8, 17-10, 20-8, 20-10</b>	900	1.100	8613400	E 9 E-8

**Hickory**

for hammer	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>9-3, 10-3, 17-3, 20-3</b>	600	0.400	8616500	E 9 H-3
<b>9-3, 9-4</b>	900	0.790	8786180	E 9 H-3-90
<b>9-4, 10-4, 17-4, 20-4</b>	700	0.630	8616690	E 9 H-4
<b>9-5, 9-6, 10-5, 10-6, 17-5, 17-6,</b>	800	0.810	8616770	E 9 H-5
<b>20-5, 20-6</b>				
<b>9-5, 9-6</b>	900	0.700	8786260	E 9 H-5-90
<b>9-8, 9-10, 17-8, 17-10, 20-8, 20-10</b>	900	0.960	8616930	E 9 H-8

## 9 F SLEDGE HAMMER

- › Forged hammer head DIN 1042
- › With practically unbreakable fibreglass handle, with secured head



<b>g</b>	<b>l mm</b>	<b>kg</b>	<b>Code</b>	<b>No.</b>
<b>3000</b>	600	3.665	8614130	9 F-3
<b>3000</b>	900	3.955	8820380	9 F-3-90
<b>4000</b>	700	4.930	8614210	9 F-4
<b>4000</b>	900	5.050	8820890	9 F-4-90
<b>5000</b>	800	6.370	8614480	9 F-5
<b>5000</b>	900	6.420	8820970	9 F-5-90
<b>6000</b>	800	7.165	8614560	9 F-6
<b>8000</b>	900	9.280	8614640	9 F-8

## Bricklayer's hammers

### 94 ST BRICKLAYER'S HAMMER

Berlin pattern

- › With steel tube handle and plastic grip
- › Very robust and durable



g	l mm	kg	Code	No.
600	270	0.891	8697240	94 ST

### 93 ST BUILDER'S HATCHET

- › With steel tube handle and plastic grip
- › Very robust and durable



g	l mm	kg	Code	No.
600	300	0.909	8696510	93 ST

## Carpenter's hammers

### 75 GSTM CARPENTER'S HAMMER

- › Head and handle forged in one piece, nearly unbreakable
- › Ergonomic, air-cushioned 2-component handle
- › Optimum impact force - a result of its perfect balance
- › Fatigue-free working due to the new anti-vibration system
- › With straight-through shaft right to the end of the handle
- › With magnetic nail holder



l mm	kg	Code	No.
340	0.873	1576143	75 GSTM



### 75 ST + 75 STM CARPENTER'S HAMMER

- › With steel tube handle and plastic grip
- › 75 ST without magnet
- › 75 STM with magnet
- › Very robust and durable



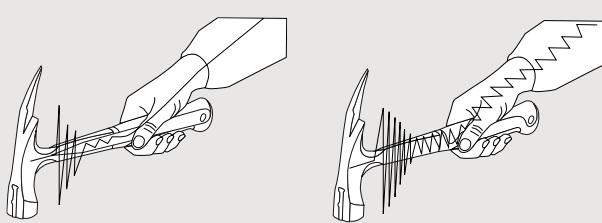
Execution	g	l mm	Handle length	kg	Code	No.
<b>without magnet</b>	600	317	300	0.760	8688920	75 ST
<b>with magnet</b>	600	317	300	0.835	8689220	75 STM

### 75 STKM CARPENTER'S HAMMER WITH MAGNET

- › With steel tube handle, plastic grip and secured head
- › Very robust and durable



Execution	g	l mm	Handle length	kg	Code	No.
<b>with magnet</b>	600	317	300	0.847	8813090	75 STKM



- › The anti-vibration system of the 75 GSTM and 71 GSTM allows safe, powerful hammer blows
- › With conventional all-steel hammers, jarring vibrations are transmitted through to the user's arm on every impact

WT 1056 7

566



## Hammers miscellaneous

### 18 E PAVING HAMMER SQUARE

- With welded plate and large vulcanised rubber block
- With ash handle
- Spare handle E 18 E



l mm	Spare handle	g kg	Code	No.
360	E 18 E	2.525	8883700	18 E

### E 18 E SPARE HANDLE

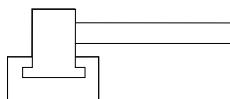
- Acc. to DIN 5111
- From ash
- With oval fixing hole



l mm	g kg	Code	No.
360	0.345	8883890	E 18 E

### 72 H GLAZIERS HAMMER polished

- With hickory handle, steel sleeve and safety screw  
for a durable safe connection  
of handle and hammer head
- Spare handle E 72 H



g kg	l mm	Code	No.
100	300	1541935	72 H-100
	300	1541730	E 72 H-100

## Scaling hammers

### 677 H SCALING HAMMER ROTBAND-PLUS

- Forged hammer head
- Contoured hickory handle DIN 5111 with additional long, hardened steel sleeve
- The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio
- Spare handle E 677 H



g kg	l mm	Code	No.
300	300	8671950	677 H
	300	1822357	E 677 H-300

### 77 E SCALING HAMMER

- With ash handle DIN 5111
- Spare handle E 4 E



g kg	l mm	Code	No.
330	300	8690900	77 E-300
	300	8588030	E 4 E-300



## 77 ST SCALING HAMMER

- › Acc. to DIN 5133
- › With steel tube handle



g	$\frac{\text{in}}{\text{kg}}$	Code	No.
400	0.505	8691390	77 ST-400

## 41 E SCALING HAMMER

- › With ash handle DIN 5111
- › Spare handle E 4 E



g	$\frac{\text{in}}{\text{kg}}$	Code	No.
500	0.640	8665390	41 E-500
320	0.160	8588380	E 4 E-500

### Recoilless hammers

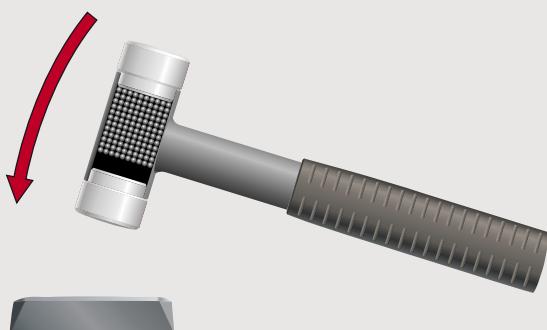
## YOUR ADVANTAGE:

- › Due to the special filling insert in the hammer head a considerably higher impact is made compared to standard engineers' and recoilless hammers
- › Universal use for service and assembly work, with all the advantages of a recoilless hammer with higher impact
- › "Dead blows" with no recoil reduce stress on muscles, nerves and wrists
- › Lower cost due to universal use as an engineer's and recoilless hammer
- › Recoilless hammers protect sensitive surfaces
- › Each blow is more effective than standard safety hammers
- › Available with hickory, tubular steel or fibreglass handles
- › Exchangeable inserts, resistant to breakage or wear, made of modified polyamide

## FUNCTION



- › The hollow hammer head is filled with steel shot. Small steel balls with a high carbon content.
- › Workpiece "adhesion" and a "fully-felt" strike come from the practically 100% pulse transfer onto the workpiece.
- › The impact (colloquial term for pulse) results principally from the kinetic energy of the fine-grained steel shot.
- › The hammer head mass is slight compared to steel shot.
- › That is why the counter pulse triggered by the hammer head is not felt.
- › Bouncing blows are avoided.
- › Goes easy on one's joints and tendons.



## 248 H RECOILLESS HAMMER

- > With hickory handle
- > Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- > Powder-coated with silver hammer-effect enamel



$\varnothing$ mm	l mm	$\frac{t}{10}$	Code	No.
<b>25</b>	305	0.300	8728220	248 H-25
<b>30</b>	330	0.470	8868230	248 H-30
<b>35</b>	335	0.590	8868310	248 H-35
<b>40</b>	360	0.730	8868580	248 H-40
<b>45</b>	365	0.870	8868660	248 H-45
<b>50</b>	370	1.020	8868740	248 H-50
<b>60</b>	370	1.650	8868820	248 H-60
<b>70</b>	370	2.330	8728300	248 H-70
<b>80</b>	880	4.270	8728490	248 H-80
<b>100</b>	1000	6.935	8728570	248 H-100

## E 248 H SPARE HANDLE HICKORY

l mm	$\frac{t}{10}$	Code	No.
<b>280</b>	0.062	8739690	E 248 H-25
<b>300</b>	0.120	8739770	E 248 H-30-35
<b>320</b>	0.140	8739850	E 248 H-40-45
<b>320</b>	0.180	8739930	E 248 H-50
<b>310</b>	0.210	8740000	E 248 H-60-70
<b>800</b>	0.680	8740190	E 248 H-80
<b>900</b>	1.100	8740270	E 248 H-100

## E 248 POLYAMIDE SPARE HEAD (PIECE)

- > Splinter-proof, shatter-proof and wear-resistant polyamide, 75 Shore D, tested to -20 °C

$\varnothing$ mm	$\frac{t}{10}$	Code	No.
<b>20</b>	0.010	8747790	E 248-20
<b>25</b>	0.010	8747870	E 248-25
<b>30</b>	0.015	8830260	E 248-30
<b>35</b>	0.021	8830340	E 248-35
<b>40</b>	0.031	8830420	E 248-40
<b>45</b>	0.040	8829920	E 248-45
<b>50</b>	0.050	8830500	E 248-50
<b>60</b>	0.090	8830690	E 248-60
<b>70</b>	0.130	8748410	E 248-70
<b>80</b>	0.190	8748680	E 248-80
<b>100</b>	0.350	8748760	E 248-100

## 248 F RECOILLESS HAMMER

- > Nearly unbreakable fibreglass handle with handy plastic grip and secured head
- > Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- > Powder-coated with silver hammer-effect enamel



$\varnothing$ mm	l mm	$\frac{t}{10}$	Code	No.
<b>25</b>	290	0.400	8724310	248 F-25
<b>30</b>	305	0.550	8867690	248 F-30
<b>35</b>	310	0.730	8867770	248 F-35
<b>40</b>	315	0.780	8867850	248 F-40
<b>45</b>	320	0.940	8867930	248 F-45
<b>50</b>	325	1.120	8868070	248 F-50
<b>60</b>	335	1.680	8868150	248 F-60

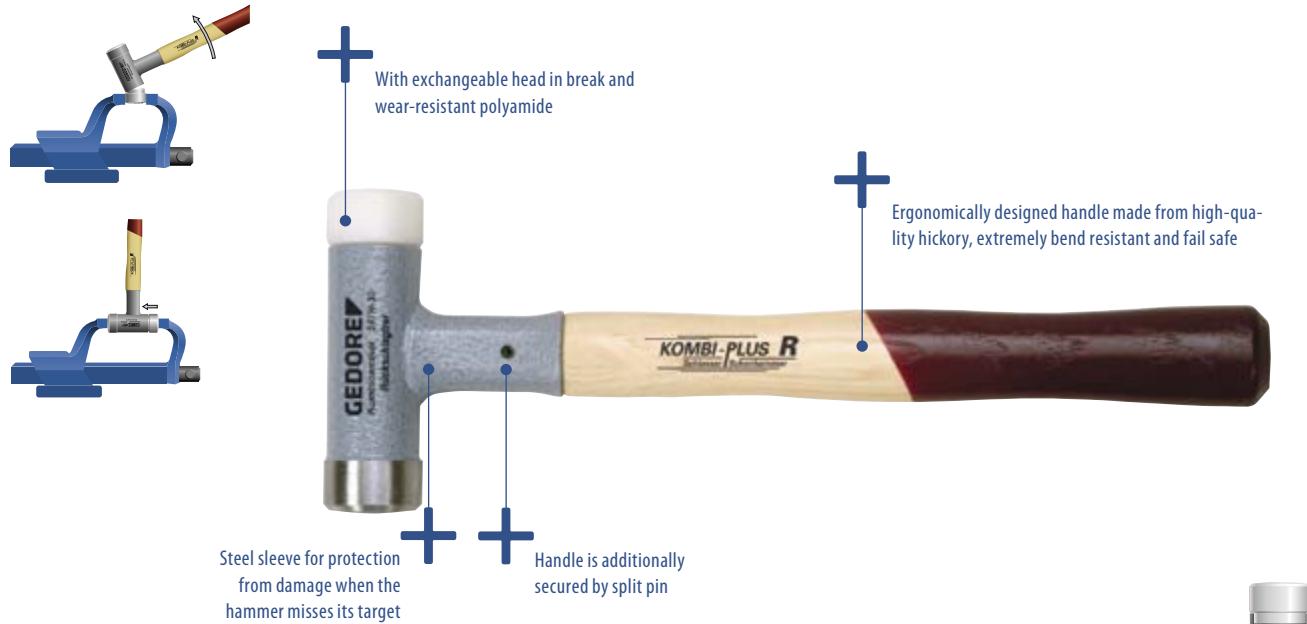
## 248 ST RECOILLESS HAMMER

- > With very robust and durable steel tube handle
- > Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- > Powder-coated with silver hammer-effect enamel



$\varnothing$ mm	l mm	$\frac{t}{10}$	Code	No.
<b>25</b>	270	0.440	8724070	248 ST-25
<b>30</b>	290	0.600	8828950	248 ST-30
<b>35</b>	295	0.700	8829090	248 ST-35
<b>40</b>	300	0.800	8829170	248 ST-40
<b>45</b>	305	0.950	8829410	248 ST-45
<b>50</b>	310	1.005	8829250	248 ST-50
<b>60</b>	335	1.800	8829330	248 ST-60
<b>70</b>	335	2.430	8724150	248 ST-70

## KOMBI-PLUS R



### 247 H COMBINATION HAMMER KOMBI-PLUS R

- Reduced expense due to versatile use as an engineer's and recoilless hammer
- Universal use for service and assembly work
- With all advantages of a recoilless hammer with higher impact
- Less energy necessary, easier working
- With exchangeable splinter-proof, shatter-proof and wear-resistant polyamide head (E 247), 75 Shore D, tested to -20 °C
- With hickory handle (E 247 H)
- DBGM (German utility patent)



### E 247 H SPARE HANDLE HICKORY KOMBI-PLUS R

- Ergonomically designed handle made from high-quality hickory
- Extremely bend resistant and fail safe

Ø mm	l mm	Code	No.
<b>270</b>	0.100	1605313	E 247 H-30
<b>270</b>	0.120	1630709	E 247 H-35
<b>290</b>	0.126	1688014	E 247 H-40

### E 247 POLYAMIDE SPARE HEAD (PIECE) KOMBI-PLUS R

- Splinter-proof, shatter-proof and wear-resistant polyamide, 75 Shore D, tested to -20 °C



Ø mm	l mm	Code	No.
<b>30</b>	305	1603299	247 H-30
<b>35</b>	310	1603396	247 H-35
<b>40</b>	330	1687883	247 H-40

Ø mm	Code	No.
<b>30</b>	1605305	E 247-30
<b>35</b>	1605380	E 247-35
<b>40</b>	1688022	E 247-40

## Safety hammers

### 224 E PLASTIC HAMMER

- With exchangeable heads made from yellow shatter-proof cellulose acetate
- With ash handle
- 65 Shore D



### E 224 PLASTIC SPARE HEAD

- From shatter-proof cellulose acetate
- 65 Shore D

$\varnothing \text{ mm}$	$\text{kg}$	Code	No.
<b>22</b>	0.005	8822590	E 224-22
<b>27</b>	0.015	8822670	E 224-27
<b>32</b>	0.025	8822750	E 224-32
<b>35</b>	0.030	8822830	E 224-35
<b>40</b>	0.040	8822910	E 224-40
<b>50</b>	0.070	8823050	E 224-50
<b>60</b>	0.110	8823130	E 224-60

### E 224 E SPARE HANDLE ASH

for no. 224 E + 225 E

$\varnothing \text{ mm}$	$\text{l} \text{ mm} \text{ l}$	Spare handle	$\text{kg}$	Code	No.
<b>22</b>	250	E 224 E-22	0.157	8821270	224 E-22
<b>27</b>	270	E 224 E-27	0.242	8821350	224 E-27
<b>32</b>	280	E 224 E-32	0.365	8821430	224 E-32
<b>35</b>	290	E 224 E-35	0.445	8821510	224 E-35
<b>40</b>	320	E 224 E-40	0.600	8821780	224 E-40
<b>50</b>	340	E 224 E-50	0.913	8821860	224 E-50
<b>60</b>	380	E 224 E-60	1.392	8821940	224 E-60

$\text{l} \text{ mm} \text{ l}$	$\text{kg}$	Code	No.
<b>250</b>	0.060	8823210	E 224 E-22
<b>270</b>	0.060	8823480	E 224 E-27
<b>280</b>	0.080	8823560	E 224 E-32
<b>290</b>	0.060	8823640	E 224 E-35
<b>320</b>	0.100	8823720	E 224 E-40
<b>340</b>	0.100	8824290	E 224 E-50
<b>380</b>	0.115	8824370	E 224 E-60

### 225 E NYLON HAMMER

- With exchangeable heads made from impact-resistant nylon
- With ash handle
- 60 Shore D



### E 225 NYLON SPARE HEAD

- From impact-resistant nylon
- 60 Shore D

$\varnothing \text{ mm}$	$\text{l} \text{ mm} \text{ l}$	$\text{kg}$	Code	No.
<b>22</b>	250	0.160	8805310	225 E-22
<b>27</b>	270	0.250	8805580	225 E-27
<b>32</b>	280	0.350	8805660	225 E-32
<b>35</b>	290	0.420	8805740	225 E-35
<b>40</b>	320	0.580	8805820	225 E-40
<b>50</b>	340	0.900	8805900	225 E-50
<b>60</b>	380	1.340	8806040	225 E-60

$\varnothing \text{ mm}$	$\text{kg}$	Code	No.
<b>22</b>	0.005	8814220	E 225-22
<b>27</b>	0.010	8814300	E 225-27
<b>32</b>	0.015	8814490	E 225-32
<b>35</b>	0.025	8814570	E 225-35
<b>40</b>	0.030	8814650	E 225-40
<b>50</b>	0.055	8814730	E 225-50
<b>60</b>	0.085	8814810	E 225-60

## 226 E RUBBER MALLET

hard

- › DIN 5128-90, 90 Shore A
- › With two flat surfaces
- › **2 A** with one curved and one flat surface
- › With ash handle



$\varnothing$ mm	l: mm	mm	$\frac{kg}{\Delta}$	Code	No.
<b>40</b>	80	260	0.210	8825500	226 E-0
<b>55</b>	90	320	0.370	8825690	226 E-1
<b>65</b>	115	340	0.630	8825770	226 E-2
<b>65</b>	115	340	0.578	8825850	226 E-2 A
<b>75</b>	130	380	0.990	8825930	226 E-3
<b>90</b>	140	380	1.150	8826070	226 E-4

## 227 E RUBBER MALLET

soft

- › DIN 5128-60, 60 Shore A
- › With two flat surfaces
- › With ash handle



$\varnothing$ mm	l: mm	mm	$\frac{kg}{\Delta}$	Code	No.
<b>55</b>	90	320	0.320	8826740	227 E-1
<b>65</b>	115	340	0.540	8826820	227 E-2
<b>75</b>	130	380	0.770	8827040	227 E-3
<b>90</b>	140	380	1.050	8827120	227 E-4

## E 226 E SPARE HANDLE ASH

for no. 226 E + 227 E

mm	$\frac{kg}{\Delta}$	Code	No.
<b>260</b>	0.043	8826230	E 226 E-0
<b>320</b>	0.045	8826310	E 226 E-1
<b>340</b>	0.100	8826580	E 226 E-2

mm	$\frac{kg}{\Delta}$	Code	No.
<b>380</b>	0.130	8827200	E 226 E-3
<b>380</b>	0.170	8827390	E 226 E-4

## Wooden / Copper / Lead hammers

### 228 WOODEN MALLET

- › Made from white beech wood
- › Acc. to DIN 7462 A



$\varnothing$ mm	mm	$\frac{kg}{\Delta}$	Code	No.
<b>70</b>	340	0.470	8828280	228-70

### 229 WOODEN MALLET

- › Head made from white beech wood with pressed steel holder
- › With oval ash handle
- › Acc. to DIN 7462 B



$\varnothing$ mm	mm	$\frac{kg}{\Delta}$	Code	No.
<b>60</b>	310	0.340	8601230	229-60
<b>70</b>	320	0.610	8601310	229-70

## 21 F LIGHT METAL HAMMER

- › Cylindrical pattern
- › Nearly unbreakable fibreglass handle with plastic grip



$\varnothing$ mm	g	l mm	$\frac{kg}{\Delta}$	Code	No.
<b>40</b>	250	300	0.440	2015110	21 F-250
<b>45</b>	500	320	0.710	2015129	21 F-500
<b>60</b>	1000	360	1.250	2015137	21 F-1000
<b>70</b>	1500	400	1.790	2015145	21 F-1500

## 223 H LEAD HAMMER

- › Barrel shape, with end-to-end split pin
- › With hickory handle DIN 5111
- › Spare handle E 4 H



g	l mm	$\frac{kg}{\Delta}$	Code	No.
<b>1000</b>	310	1.160	8820460	223 H-1000
<b>1500</b>	350	1.840	8820540	223 H-1500
l mm	$\frac{kg}{\Delta}$	Code	No.	
<b>310</b>	0.120	8591760	E 4 H-400	
<b>350</b>	0.210	8592060	E 4 H-800	

## 22 H COPPER HAMMER

- › Club shape
- › Forged hammer head
- › With hickory handle DIN 5111
- › Spare handle E 4 H



g	l mm	$\frac{kg}{\Delta}$	Code	No.
<b>250</b>	280	0.316	1583999	22 H-250
<b>500</b>	310	0.715	1584006	22 H-500
<b>750</b>	330	1.050	8867260	22 H-750
<b>1000</b>	350	1.333	8867340	22 H-1000
<b>1500</b>	360	1.933	8867420	22 H-1500
<b>2000</b>	400	2.341	8867500	22 H-2000

l mm	$\frac{kg}{\Delta}$	Code	No.
<b>280</b>	0.085	8591410	E 4 H-200
<b>310</b>	0.120	8591760	E 4 H-400
<b>330</b>	0.150	8591920	E 4 H-600
<b>350</b>	0.210	8592060	E 4 H-800
<b>360</b>	0.225	8592140	E 4 H-1000
<b>400</b>	0.280	8592300	E 4 H-2000

## 622 H COPPER HAMMER ROTBAND-PLUS

- › Club shape
- › With hickory handle DIN 5111, with additional long hardened handle protective steel sleeve
- › Spare handle E 600 H / E 609 H
- › The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- › ROTBAND-PLUS handle join, high working safety, long service life, best price-performance ratio
- › Also available in a heavy 5 kg version



g	l mm	$\frac{kg}{\Delta}$	Code	No.
<b>750</b>	350	1.120	8672410	622 H-750
<b>1000</b>	360	1.468	8672680	622 H-1000
<b>1500</b>	380	2.075	8672760	622 H-1500
<b>2000</b>	400	2.300	8672840	622 H-2000
<b>5000</b>	800	6.150	1985094	622 H-5

l mm	$\frac{kg}{\Delta}$	Code	No.
<b>330</b>	0.234	8596560	E 600 H-600
<b>350</b>	0.296	8596640	E 600 H-800
<b>360</b>	0.315	8597880	E 600 H-1000
<b>400</b>	0.442	8599070	E 600 H-2000
<b>800</b>	1.120	8683530	E 609 H-5

## Forging Tools

### 37 E COLD CHISEL HAMMER

- › For separating cold forgings
- › With ash handle
- › Spare handle E 37 E



$\varnothing$ mm	l mm	g	$\frac{g}{kg}$	Code	No.
<b>600</b>	1500	1.810	1.810	8663850	37 E-1500
<b>600</b>		0.270		8663930	E 37 E-1500

### 38 E HOT CHISEL HAMMER

- › For separating warm forge pieces
- › With ash handle
- › Spare handle E 37 E



$\varnothing$ mm	l mm	g	$\frac{g}{kg}$	Code	No.
<b>600</b>	1500	1.760	1.760	8664310	38 E-1500
<b>600</b>		0.270		8663930	E 37 E-1500

### 56 E PUNCH HAMMER

- › With ash handle
- › Spare handle E 37 E
- › Can be supplied with rebound-dampened tubular steel handle



$\varnothing$ mm	l mm	g	$\frac{g}{kg}$	Code	No.
<b>10</b>	600	850	1.010	8679500	56 E-10
<b>15</b>	600	1000	1.480	8679690	56 E-15
<b>20</b>	600	1470	1.770	8679770	56 E-20

$\varnothing$ mm	l mm	g	$\frac{g}{kg}$	Code	No.
	600		0.270	8663930	E 37 E-1500

### BLACKSMITH'S TONGS

