



Werkzeuge fürs Leben · Tools for life



Safe working with non-sparking tools

2011\*12



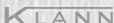


\* non-sparking 

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**i Info**

- More non-sparking tools on request!
- Haven't you found the right tool?
- Ask us about custom-orders.
- Your problems are our assignments.





# non-sparking

## Why the need for non-sparking tools?

- The recommendation is to use GEDORE non-sparking tools in all areas where combustible or easily ignitable vapours, liquids and dusts are on hand and everywhere where there is a potential fire and explosion risk from sparks.

## Characteristics of GEDORE non-sparking tools:

- Made either from proven, low-sparking special bronze and copper/beryllium alloys or from other non-spark inducing materials (e.g. wood or electrically conducting plastics)
- The spanners are cast and not forged for your own safety.
- Corrosion-resistant - even against salt water.
- Copper/beryllium tools are anti-magnetic!

## Why the need for the casting process?

- In contrast to the usual steel tools, the forging process is not the optimum manufacturing one as far as non-sparking tools are concerned. Whilst forged, non-sparking tools may have an elegant appearance, their drawback is one of suddenly breaking in instances of overloading.
- Casting these materials, in contrast, results in them bending rather than breaking when subject to overloading.
- As cast, non-sparking spanners are of a stronger material cross-section, they ensure uniform transfer of torque forces.
- We guarantee that GEDORE non-sparking spanners are manufactured from a pure melt without the addition of scrap.
- Advantages: Improved elasticity, reduced brittleness and uniform material properties





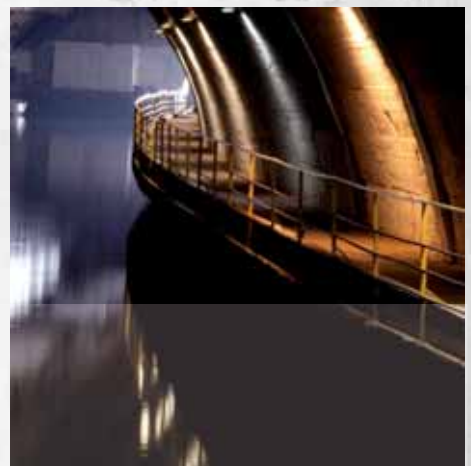
### Info

- ✔ The harder a material, the greater the risk of sparks developing and explosions occurring.
- ✔ As only a cold spark, if at all, develops, the iron share in special bronze is not of a critical nature.
- ✔ The use of non-sparking tools is a step:
  - to avoid explosions
  - to avoid incipient fires
  - to avoid and keep away sources of ignition (sparks forming) which might arise when hand tools are in use (e.g. hammer and chisel)
- ✔ The talk usually is of „non-sparking“ or „anti-spark“ tools.
- ✔ From the physics angle, it would be more accurate to refer to „low-spark“ since ignitable sparks cannot be 100 % prevented even when these tools are used.

### Notes on use

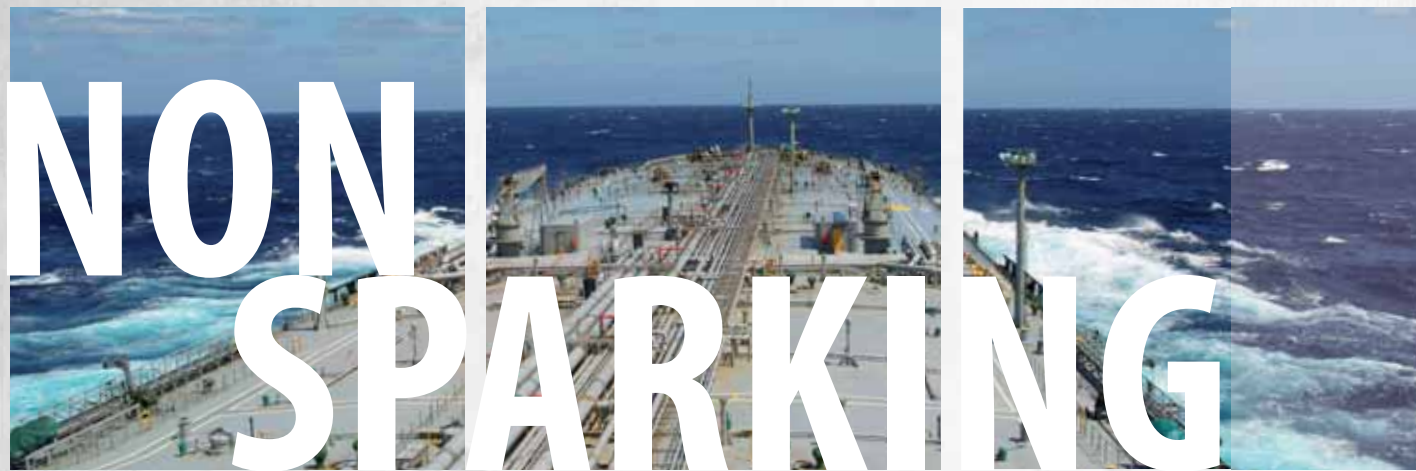
**CAUTION!**

- ✔ As in applications non-sparking tools are not as hard as conventional ones, they must be used with particular care.
- ✔ Any over-loading is to be avoided.
- ✔ Using non-sparking tools must not be the only protective step taken in areas at risk from fire and explosions.
- ✔ For a comprehensive protection of both people and facilities, do follow the relevant safety guidelines of the various institutions, e.g. those of the industry associations, employers' instructions as well as the statutory specifications of the country in question.



**funkensfrei**

# NON SPARKING



## GEDORE safety tools Reworking

- ▶ The alloy from which the tool is made needs to be clearly established at the outset before GEDORE safety tools can be effectively and properly reworked.
- ▶ Tools made of special bronze have a yellow colour (the surface colour may vary from the effects of atmosphere, chemicals and heating) whilst those of copper/beryllium display a red tone and are usually stamped with the alloying name e.g. "CuBe".

- ▶ Tools made from GEDORE non-ferrous metal can be reworked through forging, regenerating welding and machining.
- ▶ This reworking should preferably be carried out in our plant as following work relating to the "a" and "b" items below a hardness test - if not even tool hardening itself - must take place.
  - a) Forging is done at temperatures between 785 °C and 900 °C; the most favourable forging temperature is around 880 °C. Temperature limits are to be precisely followed. As for the rest, no special arrangements need to be made. Even so, the parts must not be cooled by quenching but, instead, left to slowly cool in the air.
  - b) Welding filler metals - which are the same as the materials - are used for welding build-up and repair welding work.
  - c) Even with reworking involving cutting, no special precautionary steps need to be kept to. The same processing tools and devices as for the steel hand tools can be used. Effective forms of cooling (e.g. water) are to be on hand for any re-grinding work.

- ▶ Considerable precision and care is required when reworking CuBe tools. In particular, it is to be borne in mind that copper/beryllium dust or vapour is toxic and can damage one's health. Moreover, copper can very easily lose its alloying properties - if not in their entirety under certain conditions - from over-heating. The result then is that the material only displays the properties of ordinary copper.
  - a) Our recommendation is not to re-forg CuBe tools or parts of them - all the more so since extensive experience is needed for forging in conjunction with secondary heat treatment. Do ask us if forging in certain circumstances is implementable.
  - b) In machining and with grinding, in particular, cooling must be carefully carried out and heating to over 250 °C is to be avoided at all circumstances. If processing is undertaken in the cured state, a cutting angle of around 0 ° is needed for the processing tools.





## Important information

- ✔ for regrinding GEDORE copper/beryllium safety tools:
- ✔ Beryllium is a metal which according to the Materials Ordinance is considered to be toxic !
- ✔ This very much concerns dusts and vapours which may arise where smelting, grinding and welding is undertaken.
- ✔ There is no risk, however, when grinding, in particular, is of the wet variety!
- ✔ Should this not be possible in exceptional circumstances, then the following steps need to be noted:
  1. Do not inhale any dust (wear a face mask)
  2. Avoid one's skin and eyes coming into contact with them
  3. Wear protective clothing
  4. Wear breathing apparatus should dust and smoke develop



nonsparking



# Non-sparking material analysis

Material	Copper-Beryllium			
<b>Analysis</b>	<b>Be</b>	<b>Ni</b>	<b>Co</b>	<b>Cu</b>
min. in %	1,8	0,1	0,4	96,5
max. in %	2,3	0,5	0,7	97,7
<b>Mechanical properties</b>				
Strength N/mm <sup>2</sup>	1117 - 1326			
Yield point N/mm <sup>2</sup>	840 - 880			
Hardness Brinell	280/365			

Material	Special Bronze (Aluminium-multicomponent-bronze)				
<b>Analysis</b>	<b>Cu</b>	<b>Al</b>	<b>Ni</b>	<b>Fe</b>	<b>Mn</b>
min. in %	76	8	4	4	-
max. in %	84	10,5	6	5,5	1,33
<b>Mechanical properties</b>	<b>cured</b>		<b>untreated</b>		
Strength N/mm <sup>2</sup>	780 - 989		600 - 670		
Yield point N/mm <sup>2</sup>	450 - 550		250 - 270		
Hardness Brinell	230 - 290		140 - 180		

- Since special bronze would involve over rapid and excessive wear of all tools with mechanical movements, cutting functions and tip stresses (such as pliers, ratchets and adjustable spanners), they are manufactured from the harder CuBe.
- Spanners are mostly manufactured from special bronze.



## Notes on use

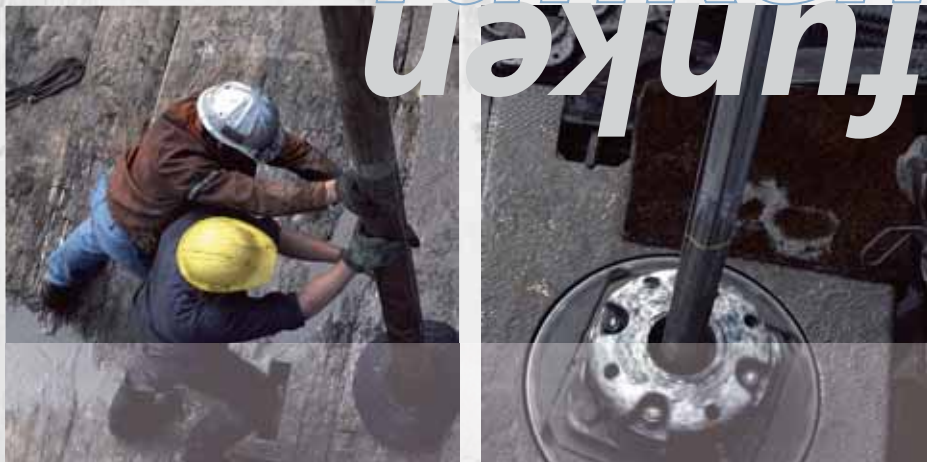
- The softer the tool the lower the probability of sparks forming. Selection is at all times to be for that lowest tool hardness which just suffices for the work on hand. This is something that through our knowledge of tools we have already dealt for you. We use the optimum possible material for each and every tool. Tools subject to concentrated loads are manufactured from the harder CuBe.

**The letter at the end of the Article No. stands for the material:**

GEDXXXXXXS = tool made of special bronze

GEDXXXXXXC = tool made of CuBe (copper beryllium)

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*funkeln*



**FREI**



# \*non-sparking



## Dictionary of the EX zones

**Explosion protection acc. to ATEX = Explosive atmosphere**

- ATEX 137 (118) also designated as Guideline 99/2/EC covers the safety of people employed in the installation, operation and maintenance of facilities at risk from explosions.
- Since July 2003 only operating equipment in compliance with this guideline may be commercially used. The ATEX 99/92/EC specification is such that GEDORE tools may be used in the EX zones.

**INFO:**

- The ATEX instruction covers products falling under the CE instruction - e.g. electrical products - where a spark could arise from their use. Hand tools do not fall within the scope of the ATEX instruction. Hand tools do not fall within the scope of the ATEX product instruction. Only products for which a CE identification is prescribed fall within the scope of the ATEX instruction (e.g. lamps)
- EX zones refer to areas at risk from explosions as a function of the frequency and duration of the emergence of hazardous, explosive atmospheres.

**The following zones apply to areas with the risk of explosions present from combustible gases, vapour or mists:**

**Zone 0**

- is an area where a hazardous, explosive atmosphere as a mix of air and combustible gases, vapours and mists prevail either constantly, for lengthy periods or frequently.

**Zone 1**

- is an area where under normal operations a hazardous, explosive atmosphere as a mix of air and combustible gases, vapours and mists can occasionally form.

**Zone 2**

- is an area where under normal operations a hazardous, explosive atmosphere as a mix of air and combustible gases, vapours and mists usually does not arise or, if it does, then only briefly.

**The following zones apply to areas at risk from explosions occasioned by combustible dusts:**

**Zone 20**

- is an area where hazardous, explosive atmospheres in the form of a cloud made up of combustible dusts from the air prevail either constantly, for lengthy periods or frequently.

**Zone 21**

- is an area where under normal operations a hazardous, explosive atmosphere in the form of a cloud made up of combustible dusts from the air can occasionally form.

**Zone 22**

- is an area where under normal operations a hazardous, explosive atmosphere in the form of a cloud made up of combustible dust from the air usually does not arise or, if it does, then only briefly.

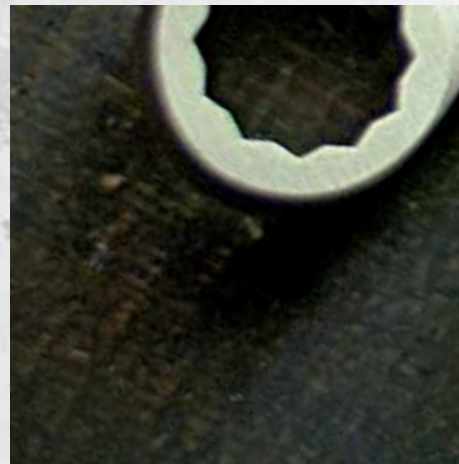
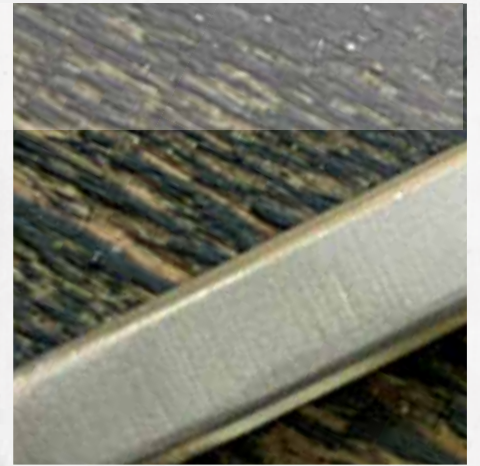
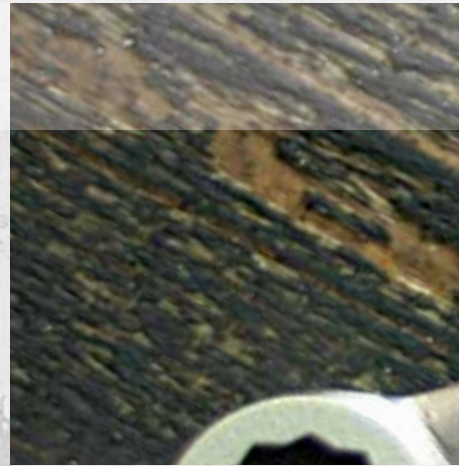
**Remarks:**

- The "frequency" label is to be used in the sense of "being predominant over time".
- Normal operation describes the condition whereby facilities can be used within their design parameters.
- Many experts look upon the "for a short time" term to mean a maximum of 30 minutes.
- Consideration is to be given to layers, deposits and accumulations of combustible dust which - as with any other cause - may lead to the formation of a hazardous, explosive atmosphere.
- These definitions as to zones apply equally in all the EC member states on the basis of Guideline 1999/92/EC  
*Source - BG RCI (Raw materials and chemical industry)*

# SPANNERS



*NON*  
**SPARKING**





## SPANNERS NON-SPARKING



\*funkenfrei

**SPANNERS NON-SPARKING**

**OPEN ENDED SPANNER NON-SPARKING**



**GED001**

**DOUBLE OPEN ENDED SPANNER**

- ▶ Similar to DIN 3110
- ▶ Slim pattern, oval shaft



mm

Code	No.	Ø mm	l mm	l mm	l mm
2502550	GED0010607S	6 x 7	125	65	65
2502542	GED0010608S	6 x 8	125	65	65
2502534	GED0010708S	7 x 8	125	65	65
2502526	GED0010709S	7 x 9	125	65	65
2502518	GED0010809S	8 x 9	125	65	65
2498529	GED0010810S	8 x 10	125	60	60
2498510	GED0010910S	9 x 10	125	60	60
2498502	GED0010911S	9 x 11	140	90	90
2495317	GED0011011S	10 x 11	140	90	90
2495309	GED0011012S	10 x 12	140	85	85
2495295	GED0011013S	10 x 13	140	80	80
2495287	GED0011014S	10 x 14	160	180	180
2495279	GED0011113S	11 x 13	160	180	180
2495244	GED0011114S	11 x 14	160	180	180
2495236	GED0011213S	12 x 13	160	180	180
2495228	GED0011214S	12 x 14	160	170	170
2495201	GED0011315S	13 x 15	160	170	170
2495198	GED0011415S	14 x 15	200	165	165
2495171	GED0011416S	14 x 16	200	220	220
2495163	GED0011417S	14 x 17	200	220	220
2495155	GED0011617S	16 x 17	200	210	210
2495147	GED0011618S	16 x 18	200	210	210
2495139	GED0011719S	17 x 19	225	350	350
2495112	GED0011722S	17 x 22	225	320	320
2495104	GED0011819S	18 x 19	225	320	320
2495090	GED0011820S	18 x 20	225	310	310
2495082	GED0011821S	18 x 21	225	300	300
2495074	GED0011922S	19 x 22	240	440	440
2495066	GED0011924S	19 x 24	240	420	420
2495058	GED0012022S	20 x 22	240	440	440
2495031	GED0012123S	21 x 23	240	420	420
2495023	GED0012224S	22 x 24	240	420	420
2495015	GED0012227S	22 x 27	270	730	730
2494981	GED0012326S	23 x 26	270	730	730
2494973	GED0012426S	24 x 26	270	730	730
2494965	GED0012427S	24 x 27	270	730	730
2494957	GED0012430S	24 x 30	270	700	700
2494949	GED0012528S	25 x 28	270	700	700
2494930	GED0012629S	26 x 29	270	700	700
2494922	GED0012729S	27 x 29	300	810	810
2494914	GED0012730S	27 x 30	300	800	800
2494906	GED0012732S	27 x 32	300	800	800
2494892	GED0013032S	30 x 32	300	780	780
2494876	GED0013034S	30 x 34	320	1240	1240
2494868	GED0013036S	30 x 36	320	1220	1220
2494841	GED0013234S	32 x 34	320	1200	1200
2494833	GED0013236S	32 x 36	320	1140	1140
2494825	GED0013436S	34 x 36	320	1100	1100
2494817	GED0013538S	35 x 38	370	1480	1480

Code	No.	Ø mm	l mm	l mm
2494809	GED0013641S	36 x 41	370	1480
2494795	GED0014146S	41 x 46	370	1450
2494787	GED0014650S	46 x 50	390	1400
2494779	GED0015055S	50 x 55	440	1700
2494752	GED0015060S	50 x 60	440	1700
2494744	GED0015560S	55 x 60	470	1800
2494736	GED0016065S	60 x 65	470	1800
2494728	GED0016570S	65 x 70	630	3500
2494701	GED0017080S	70 x 80	630	3400
2494523	GED0017580S	75 x 80	630	3300

**GED0010**

**DOUBLE OPEN ENDED SPANNER SET, 12 PIECES**

- ▶ Similar to DIN 3110
- ▶ Slim pattern, oval shaft
- ▶ Sets of the most used sizes



mm

Code	No.	Contents	l mm
2516667	GED0010000S	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	3500



**GED0017**

**DOUBLE OPEN ENDED SPANNER INCH**

- ▶ Similar to DIN 3110
- ▶ Slim pattern, oval shaft



 "AF


**GED0010**

**DOUBLE OPEN ENDED SPANNER SET INCH, 8 PIECES**

- ▶ Similar to DIN 3110
- ▶ Slim pattern, oval shaft
- ▶ Sets of the most used sizes



 "AF

Code	No.	Contents	
2521385	<b>GED00100015</b>	1/4x5/16 3/8x7/16 7/16x1/2 1/2x9/16 9/16x5/8 5/8x11/16 3/4x7/8 15/16x1AF	1700


**GED00172**

**DOUBLE OPEN ENDED SPANNER SMALL**

- ▶ Stamped from sheet metal
- ▶ With same size each end
- ▶ Offset head (75° and 15°) for difficult applications



 mm

Code	No.	$\varnothing$ mm	(mm)	
2502496	<b>GED00172045</b>	4	70	7
2498278	<b>GED00172015</b>	4,5	70	7
2502488	<b>GED00172055</b>	5	78	7
2498251	<b>GED00172025</b>	5,5	78	10
2502461	<b>GED00172065</b>	6	78	10
2502453	<b>GED00172075</b>	7	91	10
2502445	<b>GED00172085</b>	8	96	15
2502429	<b>GED00172095</b>	9	103	15
2498243	<b>GED00172105</b>	10	105	20
2498235	<b>GED00172115</b>	11	116	20
2498227	<b>GED00172125</b>	12	116	35
2498219	<b>GED00172135</b>	13	131	35
2498200	<b>GED00172145</b>	14	131	35


**GED00172**


**DOUBLE OPEN ENDED SPANNER SET SMALL, 10 PIECES**

- ▶ Sets of the most used sizes



 mm

Code	No.	Contents	
2516535	<b>GED00172005</b>	5 5,5 6 7 8 9 10 11 12 13	180

Code	No.	$\varnothing$ "AF	(mm)	
2516586	<b>GED00171405</b>	7/32 x 1/4	125	65
2516659	<b>GED00171015</b>	1/4 x 5/16	125	65
2498499	<b>GED00171025</b>	5/16 x 3/8	125	60
2516640	<b>GED00171035</b>	3/8 x 7/16	140	90
2516632	<b>GED00171045</b>	7/16 x 1/2	140	85
2521326	<b>GED00171135</b>	1/2 x 5/8	160	170
2516616	<b>GED00171055</b>	1/2 x 9/16	160	170
2498464	<b>GED00171145</b>	1/2 x 11/16	200	220
2498480	<b>GED00171065</b>	9/16 x 5/8	200	220
2498456	<b>GED00171155</b>	9/16 x 3/4	200	220
2494698	<b>GED00171075</b>	19/32 x 11/16	200	220
2494671	<b>GED00171165</b>	19/32 x 25/32	200	220
2498472	<b>GED00171085</b>	5/8 x 11/16	200	200
2521369	<b>GED00171095</b>	5/8 x 3/4	225	310
2521318	<b>GED00171175</b>	11/16 x 25/32	225	300
2498448	<b>GED00171185</b>	11/16 x 7/8	225	300
2521350	<b>GED00171105</b>	3/4 x 7/8	225	300
2498421	<b>GED00171195</b>	3/4 x 25/32	225	300
2498405	<b>GED00171205</b>	3/4 x 13/16	225	310
2521210	<b>GED00171415</b>	3/4 x 7/8	225	310
2494663	<b>GED00171215</b>	25/32 x 13/16	225	300
2498391	<b>GED00171225</b>	25/32 x 7/8	225	300
2498383	<b>GED00171235</b>	13/16 x 7/8	225	300
2498375	<b>GED00171245</b>	7/8 x 15/16	225	300
2498367	<b>GED00171255</b>	7/8 x 31/32	240	400
2498359	<b>GED00171265</b>	7/8 x 1	240	400
2494655	<b>GED00171275</b>	7/8 x 1.1/16	270	720
2521342	<b>GED00171115</b>	15/16 x 1	270	720
2521296	<b>GED00171285</b>	15/16 x 1.1/16	270	720
2521288	<b>GED00171295</b>	1 x 1.1/8	270	700
2516608	<b>GED00171305</b>	1 x 1.5/16	300	750
2521334	<b>GED00171125</b>	1.1/16 x 1.1/4	300	750
2521261	<b>GED00171315</b>	1.1/8 x 1.5/16	300	750
2516578	<b>GED00171425</b>	1.1/16 x 1.7/16	320	1220
2494647	<b>GED00171325</b>	1.1/8 x 1.1/2	320	1150
2494620	<b>GED00171335</b>	1.1/4 x 1.3/8	320	1150
2521253	<b>GED00171345</b>	1.1/4 x 1.7/16	320	1150
2521237	<b>GED00171355</b>	1.5/16 x 1.1/2	370	1480
2494612	<b>GED00171365</b>	1.1/4 x 1.5/8	370	1400
2494604	<b>GED00171375</b>	1.3/8 x 1.1/2	370	1400
2521229	<b>GED00171385</b>	1.7/16 x 1.5/8	370	1400
2516594	<b>GED00171395</b>	1.1/2 x 1.11/16	370	1400
2516551	<b>GED00171435</b>	1.5/8 x 14	370	1400
2494590	<b>GED00171445</b>	1.5/8 x 1.3/4	370	1350
2516543	<b>GED00171455</b>	1.11/16 x 1.7/8	370	1350
2498340	<b>GED00171465</b>	1.11/16 x 2	390	1700
2498332	<b>GED00171475</b>	1.13/16 x 2	390	1700
2521202	<b>GED00171485</b>	1.3/4 x 2.1/16	390	1700
2498324	<b>GED00171495</b>	2 x 2.3/16	440	1700
2498316	<b>GED00171505</b>	2 x 2.5/16	440	1700
2521199	<b>GED00171515</b>	2.3/16 x 2.3/8	470	1800
2494582	<b>GED00171525</b>	2.1/4 x 2.3/8	470	1800





**GED00171**

**DOUBLE OPEN ENDED SPANNER**

▶ Stamped from sheet metal



 mm

Code	No.	Ø mm	l mm	W mm
2494574	<b>GED0017153S</b>	3 x 3,5	50	5
2494566	<b>GED0017154S</b>	4 x 4,5	60	5
2494558	<b>GED0017155S</b>	5 x 5,5	70	6
2498294	<b>GED0017156S</b>	6 x 7	80	8
2498286	<b>GED0017157S</b>	8 x 9	90	10
2494531	<b>GED0017158S</b>	10 x 11	100	12

**GED00171**

**DOUBLE OPEN ENDED SPANNER INCH**

▶ Stamped from sheet metal



 "AF

Code	No.	Ø "AF	l mm	W mm
2493667	<b>GED0017159S</b>	5/32 x 3/16	60	5
2493543	<b>GED0017160S</b>	3/16 x 7/32	70	6
2510871	<b>GED0017161S</b>	1/4 x 9/32	80	8
2510766	<b>GED0017162S</b>	1/4 x 5/16	80	8
2518937	<b>GED0017163S</b>	5/16 x 11/32	90	10
2510642	<b>GED0017164S</b>	5/16 x 3/8	90	10
2518813	<b>GED0017165S</b>	5/16 x 13/32	100	12
2510510	<b>GED0017166S</b>	3/8 x 7/16	100	12

**GED0020**

**SINGLE OPEN ENDED SPANNER**

▶ Extra-long shaft for deep applications  
▶ Secure grip thanks to profile shaft



 mm

Code	No.	Ø mm	l mm	W mm
2512157	<b>GED0020006S</b>	6	90	14
2512149	<b>GED0020007S</b>	7	90	13
2512130	<b>GED0020008S</b>	8	90	12
2512122	<b>GED0020009S</b>	9	90	11
2511592	<b>GED0020010S</b>	10	100	25
2511584	<b>GED0020011S</b>	11	100	22
2511576	<b>GED0020012S</b>	12	140	45
2511568	<b>GED0020013S</b>	13	140	40
2511541	<b>GED0020014S</b>	14	165	80

Code	No.	Ø mm	l mm	W mm
2511533	<b>GED0020015S</b>	15	145	75
2511525	<b>GED0020016S</b>	16	165	70
2511517	<b>GED0020017S</b>	17	165	70
2511495	<b>GED0020018S</b>	18	165	70
2511487	<b>GED0020019S</b>	19	190	100
2511479	<b>GED0020020S</b>	20	190	95
2511460	<b>GED0020021S</b>	21	205	140
2511452	<b>GED0020022S</b>	22	205	130
2511444	<b>GED0020023S</b>	23	220	170
2511436	<b>GED0020024S</b>	24	220	170
2511428	<b>GED0020025S</b>	25	220	160
2511401	<b>GED0020026S</b>	26	220	160
2511398	<b>GED0020027S</b>	27	220	150
2511363	<b>GED0020028S</b>	28	250	270
2511355	<b>GED0020029S</b>	29	250	260
2511347	<b>GED0020030S</b>	30	250	250
2511339	<b>GED0020032S</b>	32	285	340
2511320	<b>GED0020033S</b>	33	285	340
2511312	<b>GED0020034S</b>	34	285	320
2511304	<b>GED0020035S</b>	35	285	320
2511290	<b>GED0020036S</b>	36	285	300
2511282	<b>GED0020037S</b>	37	285	300
2511274	<b>GED0020038S</b>	38	330	540
2511258	<b>GED0020041S</b>	41	330	520
2511231	<b>GED0020042S</b>	42	330	500
2511223	<b>GED0020046S</b>	46	360	650
2511215	<b>GED0020047S</b>	47	360	630
2511207	<b>GED0020050S</b>	50	440	1100
2511193	<b>GED0020052S</b>	52	440	1100
2511185	<b>GED0020054S</b>	54	440	1050
2511177	<b>GED0020055S</b>	55	440	1050
2511169	<b>GED0020056S</b>	56	440	1000
2511150	<b>GED0020058S</b>	58	480	1475
2511126	<b>GED0020060S</b>	60	480	1475
2511118	<b>GED0020063S</b>	63	520	1700
2511096	<b>GED0020065S</b>	65	520	1700
2511088	<b>GED0020067S</b>	67	520	1700
2511061	<b>GED0020070S</b>	70	540	1900
2511053	<b>GED0020071S</b>	71	540	1900
2511045	<b>GED0020075S</b>	75	540	1800
2511037	<b>GED0020077S</b>	77	540	1800
2511029	<b>GED0020080S</b>	80	630	2900
2511010	<b>GED0020082S</b>	82	630	2800
2510995	<b>GED0020085S</b>	85	680	3400
2510987	<b>GED0020088S</b>	88	680	3300
2510979	<b>GED0020090S</b>	90	680	3200
2510960	<b>GED0020094S</b>	94	830	5000
2510952	<b>GED0020095S</b>	95	830	4800
2509377	<b>GED0020100S</b>	100	800	5900
2509369	<b>GED0020105S</b>	105	850	8900
2509350	<b>GED0020110S</b>	110	900	9000
2509342	<b>GED0020115S</b>	115	950	9300
2509334	<b>GED0020120S</b>	120	990	9600
2509326	<b>GED0020125S</b>	125	1000	8300
2509318	<b>GED0020130S</b>	130	1000	8300
2509288	<b>GED0020135S</b>	135	1000	8300



**GED0021**

**SINGLE OPEN ENDED SPANNER INCH**

- ▶ Extra-long shaft for deep applications
- ▶ Secure grip thanks to profile shaft



 "AF"

Code	No.	⌀ "AF"	(-mm-)	↕
2510944	GED0021001S	1/4	90	14
2510936	GED0021002S	5/16	90	12
2507374	GED0021003S	11/32	90	11
2510928	GED0021004S	3/8	90	11
2507366	GED0021005S	13/32	100	25
2509261	GED0021006S	7/16	100	22
2510901	GED0021007S	1/2	140	40
2509253	GED0021008S	9/16	165	80
2507358	GED0021009S	19/32	165	75
2510898	GED0021010S	5/8	165	70
2507323	GED0021011S	11/16	165	70
2509245	GED0021012S	3/4	190	100
2507315	GED0021013S	25/32	190	95
2507307	GED0021014S	13/16	205	140
2510863	GED0021015S	7/8	205	130
2507293	GED0021016S	15/16	220	170
2507285	GED0021017S	31/32	220	170
2513064	GED0021018S	1	220	160
2505444	GED0021019S	1.1/16	220	150
2507277	GED0021020S	1.1/8	250	270
2505436	GED0021021S	1.3/16	250	250
2507269	GED0021022S	1.1/4	285	340
2505428	GED0021023S	1.5/16	285	340
2507250	GED0021024S	1.3/8	285	320
2505401	GED0021025S	1.7/16	285	300
2507242	GED0021026S	1.1/2	330	540
2505371	GED0021027S	1.9/16	330	520
2507234	GED0021028S	1.5/8	330	520
2502402	GED0021029S	1.11/16	330	500
2507218	GED0021030S	1.3/4	360	650
2502399	GED0021031S	1.13/16	360	650
2507196	GED0021032S	1.7/8	360	630
2513056	GED0021033S	2	440	1100
2505363	GED0021034S	2.1/16	440	1100
2507188	GED0021035S	2.1/8	440	1050
2505355	GED0021036S	2.3/16	440	1050
2507161	GED0021037S	2.1/4	480	1000
2505347	GED0021038S	2.5/16	480	1475
2507153	GED0021039S	2.3/8	480	1475
2505339	GED0021040S	2.7/16	520	1700
2507145	GED0021041S	2.1/2	520	1700
2505320	GED0021042S	2.9/16	520	1700
2507137	GED0021043S	2.5/8	520	1700
2507129	GED0021044S	2.3/4	540	1900
2502380	GED0021045S	2.13/16	540	1900
2502372	GED0021046S	2.15/16	540	1900
2513048	GED0021047S	3	540	1800
2507110	GED0021048S	3.1/8	630	2900
2507102	GED0021049S	3.1/4	630	2800
2507080	GED0021050S	3.3/8	680	3400
2507072	GED0021051S	3.1/2	680	3300
2507064	GED0021052S	3.5/8	680	3200
2507056	GED0021053S	3.3/4	830	5000
2507048	GED0021054S	3.7/8	830	4800

**COMBINATION SPANNER NON-SPARKING**

**GED0130**

**COMBINATION SPANNER**

- ▶ With same size each end, ring bi-hexagon



 mm



Code	No.	⌀ mm	(-mm-)	↕
2510855	GED0130006S	6	130	50
2510847	GED0130007S	7	130	55
2510839	GED0130008S	8	135	55
2510820	GED0130009S	9	150	95
2509148	GED0130010S	103	150	85
2509121	GED0130011S	11	150	90
2509113	GED0130012S	12	190	170
2509105	GED0130013S	13	190	165
2509091	GED0130014S	14	190	160
2509083	GED0130015S	15	210	230
2509075	GED0130016S	16	210	230
2509067	GED0130017S	17	210	220
2509040	GED0130018S	18	230	330
2509032	GED0130019S	19	230	330
2509024	GED0130020S	20	230	325
2509016	GED0130021S	21	250	360
2509008	GED0130022S	22	250	355
2508990	GED0130023S	23	250	350
2508982	GED0130024S	24	270	500
2508974	GED0130025S	25	270	475
2508966	GED0130026S	26	270	470
2508958	GED0130027S	27	280	665
2508923	GED0130028S	28	280	680
2508915	GED0130029S	29	280	630
2508907	GED0130030S	30	300	730
2508893	GED0130032S	32	300	650
2508885	GED0130034S	34	320	950
2508877	GED0130036S	36	330	930
2508869	GED0130038S	38	400	2150
2508850	GED0130041S	41	410	2000
2508842	GED0130046S	46	410	1900
2508834	GED0130050S	50	540	3400
2508818	GED0130055S	55	520	3500
2508796	GED0130060S	60	515	3300
2508788	GED0130065S	65	500	3200
2508761	GED0130070S	70	510	3800
2508753	GED0130075S	75	680	3900
2508745	GED0130080S	80	680	4000

**GED0130**

**COMBINATION SPANNER SET**

- ▶ Sets of the most used sizes



 mm

Code	No.	Contents	pieces	↕
2497492	GED0130002S	8 9 10 11 13 14 17 19	8	1200
2493551	GED0130003S	8 10 11 12 13 14 16 17 18 19 22	11	2200
2493578	GED0130001S	10 11 12 13 14 17 19 22 24 27 30 32	12	4100
2493586	GED0130000S	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32	26	8450



**GED0137**

**COMBINATION SPANNER INCH**

With same size each end, ring bi-hexagon



 "AF

Code	No.	⌀ "AF	l mm	l mm	l mm
2508737	<b>GED01371015</b>	1/4	135	45	
2506998	<b>GED01371025</b>	5/16	135	45	
2504219	<b>GED01371185</b>	11/32	150	60	
2508729	<b>GED01371035</b>	3/8	150	60	
2506971	<b>GED01371045</b>	7/16	150	60	
2508710	<b>GED01371055</b>	1/2	190	110	
2506955	<b>GED01371065</b>	9/16	190	110	
2504286	<b>GED01371075</b>	19/32	210	200	
2508702	<b>GED01371085</b>	5/8	210	200	
2504278	<b>GED01371095</b>	11/16	230	230	
2508672	<b>GED01371105</b>	3/4	230	230	
2504200	<b>GED01371195</b>	25/32	230	230	
2504251	<b>GED01371115</b>	13/16	250	300	
2508664	<b>GED01371125</b>	7/8	250	300	
2504243	<b>GED01371135</b>	15/16	270	410	
2504197	<b>GED01371205</b>	31/32	270	410	
2512114	<b>GED01371145</b>	1	270	410	
2501139	<b>GED01371155</b>	1.1/16	280	510	
2504235	<b>GED01371165</b>	1.1/8	280	510	
2501120	<b>GED01371215</b>	1.3/16	300	570	
2504227	<b>GED01371175</b>	1.1/4	300	570	
2501112	<b>GED01371225</b>	1.5/16	300	570	
2504189	<b>GED01371235</b>	1.3/8	330	840	
2501090	<b>GED01371245</b>	1.7/16	330	840	
2504162	<b>GED01371255</b>	1.1/2	330	840	
2501082	<b>GED01371265</b>	1.9/16	410	2000	
2504154	<b>GED01371275</b>	1.5/8	410	2000	
2497484	<b>GED01371285</b>	1.11/16	410	2000	
2504146	<b>GED01371295</b>	1.3/4	410	1900	
2497476	<b>GED01371305</b>	1.13/16	410	1900	
2504138	<b>GED01371315</b>	1.7/8	435	1600	
2512092	<b>GED01371325</b>	2	435	1600	
2501074	<b>GED01371335</b>	2.1/16	435	1600	
2504111	<b>GED01371345</b>	2.1/8	455	2000	
2501066	<b>GED01371355</b>	2.3/16	455	2000	
2504103	<b>GED01371365</b>	2.1/4	475	2500	

**GED0137**

**COMBINATION SPANNER, EXTRA LONG**

With same size each end, ring bi-hexagon  
Extra-long shaft for deep applications



 mm

Code	No.	⌀ mm	l mm	l mm	l mm
2493527	<b>GED01371405</b>	10	190	70	
2493519	<b>GED01371425</b>	12	210	70	
2493500	<b>GED01371435</b>	13	225	90	
2493497	<b>GED01371475</b>	17	280	135	
2493489	<b>GED01371495</b>	19	310	200	
2493470	<b>GED01371515</b>	22	350	260	
2493462	<b>GED01371535</b>	24	400	370	
2493454	<b>GED01371545</b>	27	450	500	
2493446	<b>GED01371555</b>	30	480	900	
2493411	<b>GED01371565</b>	32	500	730	
2493403	<b>GED01371595</b>	36	550	1200	
2493381	<b>GED01371605</b>	41	600	2000	
2493373	<b>GED01371615</b>	46	640	2800	

**GED0137**

**COMBINATION SPANNER SET, EXTRA LONG**

Sets of the most used sizes



 mm

Code	No.	Contents	pieces	l mm
2493365	<b>GED01371625</b>	10 12 13 17 19 22	6	825
2493357	<b>GED01371645</b>	10 12 13 17 19 22 24 27 30 32	10	3325

**GED0137**

**COMBINATION SPANNER SET INCH**

Sets of the most used sizes



 "AF

Code	No.	Contents	pieces	l mm
2493535	<b>GED01371005</b>	1/4 5/16 3/8 7/16 1/2 9/16 5/8 3/4 7/8 1 1.1/16 1.1/4	3300	





**GED0137**

**COMBINATION SPANNER OFFSET**

- With same size each end
- Ring offset from shaft



 mm

Code	No.	Ø mm	l mm	l <sub>1</sub> mm
2508656	GED0137170S	10	148	70
2508648	GED0137172S	12	168	65
2508621	GED0137173S	13	185	80
2508613	GED0137177S	17	232	140
2508605	GED0137179S	19	258	190
2508591	GED0137182S	22	292	300
2508583	GED0137184S	24	318	370
2508575	GED0137187S	27	352	500
2508559	GED0137190S	30	390	645
2508540	GED0137191S	32	412	780

**GED0137**

**COMBINATION SPANNER SET, OFFSET**

- Sets of the most used sizes



 mm

Code	No.	Contents	pieces	l <sub>1</sub> mm
2497468	GED0137206S	10 12 13 17 19 22	6	845
2493349	GED0137208S	10 12 13 17 19 22 14 27 30 32	10	3140

**RINGSPANNERS NON-SPARKING**

**GED011**

**DOUBLE ENDED RING SPANNER OFFSET**

- Offset, bi-hexagon
- Specialist for extremely deep or inset nuts



 mm

Code	No.	Ø mm	l mm	l <sub>1</sub> mm
2497573	GED0110607S	6 x 7	170	105
2497557	GED0110608S	6 x 8	170	110
2497549	GED0110708S	7 x 8	170	100
2497530	GED0110709S	7 x 9	170	100
2497522	GED0110809S	8 x 9	170	100
2493993	GED0110810S	8 x 10	180	140
2493985	GED0110910S	9 x 10	180	125
2493977	GED0110911S	9 x 11	180	135
2520788	GED0111011S	10 x 11	180	145
2520753	GED0111012S	10 x 12	180	140
2520745	GED0111013S	10 x 13	195	175
2520737	GED0111014S	10 x 14	195	170
2520729	GED0111113S	11 x 13	195	190
2520710	GED0111114S	11 x 14	195	180

Code	No.	Ø mm	l mm	l <sub>1</sub> mm
2520702	GED0111213S	12 x 13	195	180
2520699	GED0111214S	12 x 14	195	180
2520680	GED0111314S	13 x 14	195	175
2520672	GED0111315S	13 x 15	230	240
2520664	GED0111316S	13 x 16	230	240
2520648	GED0111317S	13 x 17	230	250
2520621	GED0111415S	14 x 15	230	250
2520613	GED0111416S	14 x 16	230	240
2520605	GED0111417S	14 x 17	230	230
2520591	GED0111617S	16 x 17	230	240
2520583	GED0111618S	16 x 18	280	420
2520575	GED0111719S	17 x 19	280	400
2520567	GED0111722S	17 x 22	280	380
2520559	GED0111819S	18 x 19	280	400
2520540	GED0111820S	18 x 20	280	390
2520516	GED0111821S	18 x 21	280	390
2520508	GED0111922S	19 x 22	280	370
2520494	GED0111924S	19 x 24	290	530
2520486	GED0112022S	20 x 22	280	380
2520478	GED0112123S	21 x 23	290	510
2520451	GED0112124S	21 x 24	300	510
2520443	GED0112224S	22 x 24	300	510
2520435	GED0112227S	22 x 27	330	650
2520427	GED0112326S	23 x 26	330	670
2520419	GED0112426S	24 x 26	330	680
2520397	GED0112427S	24 x 27	330	670
2520389	GED0112430S	24 x 30	370	930
2520370	GED0112528S	25 x 28	330	660
2520362	GED0112629S	26 x 29	370	1000
2520354	GED0112729S	27 x 29	370	1000
2520346	GED0112730S	27 x 30	370	900
2520338	GED0112732S	27 x 32	370	900
2520311	GED0113032S	30 x 32	370	860
2520303	GED0113034S	30 x 34	430	850
2520281	GED0113036S	30 x 36	430	1300
2520265	GED0113234S	32 x 34	430	1300
2520257	GED0113236S	32 x 36	430	1300
2520249	GED0113436S	34 x 36	430	1250
2520230	GED0113538S	35 x 38	450	1400
2520222	GED0113638S	36 x 38	450	1450
2520214	GED0113641S	36 x 41	450	1450
2520206	GED0113842S	38 x 42	450	1450
2520192	GED0114146S	41 x 46	460	1800
2520184	GED0114650S	46 x 50	480	2100
2520176	GED0115055S	50 x 55	540	3000
2520141	GED0115060S	50 x 60	540	2800
2520133	GED0115560S	55 x 60	540	2800
2520125	GED0116065S	60 x 65	690	4200
2520117	GED0116570S	65 x 70	690	4200
2520109	GED0117080S	70 x 80	770	6000
2520087	GED0117580S	75 x 80	790	6600
2520079	GED0118590S	85 x 90	800	7000



**GED011**

**DOUBLE ENDED RING SPANNER SET, OFFSET, 12 PIECES**

- Sets of the most used sizes



 mm

Code	No.	Contents	l <sub>1</sub> mm
2516454	GED0110000S	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	4100

**GED011**

**DOUBLE ENDED RING SPANNER OFFSET INCH**

- Offset, bi-hexagon
- Specialist for extremely deep or inset nuts



**"AF**

Code	No.	Ø "AF	l (mm)	l <sub>1</sub> (mm)
2510391	<b>GED0117101S</b>	1/4 x 5/16	170	110
2510286	<b>GED0117102S</b>	5/16 x 3/8	170	100
2510162	<b>GED0117103S</b>	3/8 x 7/16	180	135
2510030	<b>GED0117104S</b>	7/16 x 1/2	195	190
2509911	<b>GED0117105S</b>	1/2 x 9/16	195	175
2493306	<b>GED0117113S</b>	1/2 x 19/32	230	240
2509784	<b>GED0117106S</b>	9/16 x 5/8	230	250
2511134	<b>GED0117107S</b>	19/32 x 11/16	230	230
2493438	<b>GED0117108S</b>	5/8 x 11/16	230	240
2516446	<b>GED0117109S</b>	5/8 x 3/4	280	400
2493187	<b>GED0117114S</b>	11/16 x 3/4	280	400
2509903	<b>GED0117115S</b>	11/16 x 25/32	280	380
2493055	<b>GED0117116S</b>	3/4 x 25/32	280	360
2516438	<b>GED0117110S</b>	3/4 x 7/8	280	370
2492946	<b>GED0117117S</b>	13/16 x 7/8	280	380
2508680	<b>GED0117118S</b>	25/32 x 13/16	280	350
2492814	<b>GED0117119S</b>	7/8 x 15/16	300	510
2493969	<b>GED0117120S</b>	7/8 x 1	300	500
2518708	<b>GED0117121S</b>	7/8 x 1.1/16	330	650
2516411	<b>GED0117111S</b>	15/16 x 1	330	670
2516403	<b>GED0117122S</b>	1 x 1.1/8	330	660
2494027	<b>GED0117123S</b>	1.1/16 x 1.1/8	370	1000
2495252	<b>GED0117112S</b>	1.1/16 x 1.1/4	370	900
2492806	<b>GED0117124S</b>	1.1/8 x 1.5/16	370	880
2515644	<b>GED0117125S</b>	1.3/16 x 1.5/16	430	850
2491583	<b>GED0117126S</b>	1.1/4 x 1.5/16	430	1200
2507455	<b>GED0117127S</b>	1.1/4 x 1.3/8	430	1300
2522969	<b>GED0117128S</b>	1.1/4 x 1.7/16	430	1300
2521733	<b>GED0117129S</b>	1.5/16 x 1.1/2	430	1200
2506246	<b>GED0117130S</b>	1.3/8 x 1.1/2	450	1400
2520524	<b>GED0117131S</b>	1.7/16 x 1.5/8	450	1450
2503794	<b>GED0117132S</b>	1.5/8 x 1.13/16	460	1800
2491575	<b>GED0117133S</b>	1.11/16 x 1.7/8	460	1800
2492687	<b>GED0117134S</b>	1.13/16 x 2	480	2100
2519291	<b>GED0117135S</b>	1.3/4 x 2.1/16	480	2000
2509660	<b>GED0117136S</b>	2 x 2.3/16	540	3000
2516381	<b>GED0117137S</b>	2 x 2.3/8	540	2800
2518082	<b>GED0117138S</b>	2.3/16 x 2.3/8	540	2800
2516853	<b>GED0117139S</b>	2.1/4 x 2.7/16	540	2700

**GED012**

**DOUBLE ENDED RING SPANNER STRAIGHT**

- Flat, bi-hexagon



**mm**

Code	No.	Ø mm	l (mm)	l <sub>1</sub> (mm)
2501155	<b>GED0120607S</b>	6 x 7	100	12
2501147	<b>GED0120809S</b>	8 x 9	115	16
2497514	<b>GED0120810S</b>	8 x 10	120	20
2497506	<b>GED0120911S</b>	9 x 11	125	22
2493950	<b>GED0121011S</b>	10 x 11	130	24
2493942	<b>GED0121013S</b>	10 x 13	130	24
2493934	<b>GED0121213S</b>	12 x 13	140	40
2493926	<b>GED0121214S</b>	12 x 14	140	45
2493896	<b>GED0121314S</b>	13 x 14	140	45
2493888	<b>GED0121315S</b>	13 x 15	140	45
2493861	<b>GED0121317S</b>	13 x 17	155	50
2493853	<b>GED0121415S</b>	14 x 15	155	48
2493845	<b>GED0121417S</b>	14 x 17	155	50
2493837	<b>GED0121617S</b>	16 x 17	170	70
2493829	<b>GED0121618S</b>	16 x 18	170	65
2493810	<b>GED0121719S</b>	17 x 19	190	80
2493802	<b>GED0121819S</b>	18 x 19	190	80
2493799	<b>GED0121922S</b>	19 x 22	200	120
2493772	<b>GED0121924S</b>	19 x 24	200	120
2493764	<b>GED0122022S</b>	20 x 22	200	120
2493756	<b>GED0122123S</b>	21 x 23	200	120
2493748	<b>GED0122224S</b>	22 x 24	200	120
2493721	<b>GED0122426S</b>	24 x 26	210	135
2493713	<b>GED0122427S</b>	24 x 27	210	130
2493705	<b>GED0122430S</b>	24 x 30	255	185
2493691	<b>GED0122528S</b>	25 x 28	255	200
2493683	<b>GED0122628S</b>	26 x 28	255	190
2493675	<b>GED0122729S</b>	27 x 29	255	185
2493659	<b>GED0122732S</b>	27 x 32	265	228
2493640	<b>GED0123032S</b>	30 x 32	265	228
2493632	<b>GED0123036S</b>	30 x 36	285	284
2493624	<b>GED0123236S</b>	32 x 36	285	284
2493616	<b>GED0123641S</b>	36 x 41	460	330
2493608	<b>GED0124146S</b>	41 x 46	432	810
2493594	<b>GED0124650S</b>	46 x 50	477	1040

**GED011**

**DOUBLE ENDED RING SPANNER SET, OFFSET INCH, 8 PIECES**

- Sets of the most used sizes



**"AF**

Code	No.	Contents	l <sub>1</sub> (mm)
2520095	<b>GED0117100S</b>	1/4x5/16 3/8x7/16 7/16x1/2 1/2x9/16 9/16x5/8 5/8x11/16 3/4x7/8 15/16x1AF	2100



**GED012**

**DOUBLE ENDED RING SPANNER STRAIGHT INCH**

Flat, bi-hexagon



 "AF

Code	No.	Ø"AF	l-mm	l-in
2516365	GED01200015	1/4 x 5/16	100	12
2516357	GED01200025	5/16 x 3/8	115	16
2516349	GED01200035	3/8 x 7/16	125	22
2509539	GED01200045	7/16 x 9/16	140	45
2520060	GED01200055	1/2 x 5/8	155	50
2509415	GED01200065	1/2 x 19/32	140	45
2492555	GED01200075	9/16 x 11/16	155	50
2509296	GED01200085	5/8 x 25/32	190	80
2509172	GED01200095	11/16 x 3/4	190	80
2520052	GED01200105	3/4 x 7/8	200	120
2518589	GED01200115	13/16 x 15/16	200	120
2505010	GED01200125	15/16 x 1.1/16	210	130
2520036	GED01200135	1 x 1.1/8	255	200
2503808	GED01200145	1.3/16 x 1.1/4	265	228

**GED009**

**SINGLE ENDED RING SPANNER STRAIGHT**



 mm

Code	No.	Ømm	l-mm	l-in
2502038	GED00900145	14	140	130
2502011	GED00900155	15	140	130
2502003	GED00900165	16	155	150
2501996	GED00900175	17	155	150
2501988	GED00900185	18	170	250
2501961	GED00900195	19	170	280
2501945	GED00900205	20	190	280
2501937	GED00900215	21	190	300
2501929	GED00900225	22	190	300
2501910	GED00900235	23	215	300
2501902	GED00900245	24	215	400
2501899	GED00900255	25	230	430
2501880	GED00900265	26	230	450
2501872	GED00900275	27	230	500
2501864	GED00900285	28	265	520
2501856	GED00900295	29	265	510
2501821	GED00900305	30	265	500
2501813	GED00900325	32	265	450
2501805	GED00900335	33	265	430
2501791	GED00900345	34	290	670
2501783	GED00900355	35	290	660
2501775	GED00900365	36	290	650
2501767	GED00900375	37	325	900
2501759	GED00900385	38	325	900
2501740	GED00900415	41	325	900
2501732	GED00900425	42	325	900
2501716	GED00900465	46	365	1100
2501708	GED00900475	47	365	1100
2501694	GED00900505	50	400	1400
2501686	GED00900525	52	430	1800
2501678	GED00900545	54	430	1700
2501651	GED00900555	55	445	1650
2501643	GED00900565	56	465	1800
2501635	GED00900585	58	465	1800

Code	No.	Ømm	l-mm	l-in
2501627	GED00900605	60	465	2000
2501619	GED00900635	63	500	2300
2501597	GED00900655	65	500	2100
2501589	GED00900675	67	500	2000
2501570	GED00900705	70	550	3000
2501562	GED00900715	71	550	2800
2501554	GED00900755	75	620	5000
2501546	GED00900775	77	620	5000
2501538	GED00900805	80	620	4500
2501511	GED00900825	82	620	4300
2501503	GED00900855	85	650	5000
2501481	GED00900885	88	650	4800
2501465	GED00900905	90	650	4200
2501457	GED00900945	94	700	5200
2501449	GED00900955	95	700	5200

**GED009**

**SINGLE ENDED RING SPANNER STRAIGHT INCH**



 "AF

Code	No.	Ø"AF	l-mm	l-in
2502070	GED00900015	1/2	140	130
2497913	GED00900025	9/16	140	130
2494388	GED00900035	19/32	140	130
2502062	GED00900045	5/8	155	150
2494361	GED00900055	11/16	155	150
2502054	GED00900065	3/4	170	280
2494353	GED00900075	25/32	190	280
2494345	GED00900085	13/16	190	300
2502046	GED00900095	7/8	190	300
2494337	GED00900105	15/16	215	400
2494329	GED00900115	31/32	215	430
2507021	GED00900125	1	230	430
2521148	GED00900135	1.1/16	230	500
2494310	GED00900965	1.1/8	265	520
2521113	GED00900975	1.3/16	265	500
2494302	GED00900985	1.1/4	265	450
2521105	GED00900995	1.5/16	265	430
2494299	GED00901005	1.3/8	290	660
2521091	GED00901015	1.7/16	325	900
2494280	GED00901025	1.1/2	325	900
2521083	GED00901035	1.9/16	325	850
2494264	GED00901045	1.5/8	325	900
2516527	GED00901055	1.11/16	325	850
2494256	GED00901065	1.3/4	365	1200
2516519	GED00901075	1.13/16	365	1100
2494248	GED00901085	1.7/8	365	1100
2507013	GED00901095	2	400	1400
2521075	GED00901105	2.1/16	430	1800
2494221	GED00901115	2.1/8	430	1700
2521067	GED00901125	2.3/16	445	1650
2494213	GED00901135	2.1/4	465	1800
2521059	GED00901145	2.5/16	465	1800
2494205	GED00901155	2.3/8	465	2000
2521040	GED00901165	2.7/16	500	2100
2494191	GED00901175	2.1/2	500	2000
2521032	GED00901185	2.9/16	500	2100
2494183	GED00901195	2.3/4	550	3000
2516497	GED00901205	2.15/16	620	5000
2507005	GED00901215	3	620	5000
2494175	GED00901225	3.1/8	620	4500
2494167	GED00901235	3.3/8	650	5000
2494140	GED00901245	3.1/2	650	4800
2494132	GED00901255	3.3/4	700	5200



**SLOGGING SPANNERS NON-SPARKING**

**GED003**

**OPEN ENDED SLOGGING SPANNER**

For very heavy-duty work



**mm**

Code	No.	Ø mm	(mm)	Wt
2505312	GED0030014S	14	180	350
2505304	GED0030017S	17	125	120
2505290	GED0030019S	19	120	125
2505282	GED0030022S	22	135	150
2505266	GED0030024S	24	150	200
2505258	GED0030027S	27	180	380
2505231	GED0030028S	28	180	370
2505223	GED0030029S	29	190	360
2505215	GED0030030S	30	190	350
2505207	GED0030032S	32	210	680
2505193	GED0030033S	33	210	670
2505185	GED0030034S	34	210	660
2505177	GED0030035S	35	210	650
2505169	GED0030036S	36	210	640
2505142	GED0030038S	38	210	630
2505134	GED0030041S	41	220	790
2505126	GED0030042S	42	220	750
2505118	GED0030046S	46	250	1150
2505096	GED0030047S	47	255	1200
2505088	GED0030050S	50	275	1350
2505061	GED0030052S	52	275	1500
2505053	GED0030054S	54	300	1900
2505045	GED0030055S	55	290	1600
2505037	GED0030056S	56	290	1550
2505002	GED0030058S	58	290	1500
2504995	GED0030060S	60	320	2600
2504987	GED0030063S	63	330	3000
2504979	GED0030065S	65	330	3000
2504960	GED0030067S	67	380	4200
2504952	GED0030070S	70	380	3800
2504944	GED0030071S	71	380	3700
2504936	GED0030075S	75	380	3600
2504928	GED0030077S	77	380	5000
2504901	GED0030080S	80	370	4800
2504871	GED0030082S	82	370	4700
2504863	GED0030085S	85	370	4500
2504855	GED0030088S	88	430	7200
2504847	GED0030090S	90	430	7000
2504839	GED0030094S	94	430	6900
2504820	GED0030095S	95	430	6800
2502364	GED0030100S	100	470	9500
2502356	GED0030105S	105	470	9300
2502348	GED0030110S	110	510	14100
2502321	GED0030115S	115	510	13300
2502305	GED0030120S	120	545	16400
2502291	GED0030125S	125	545	15500
2502283	GED0030130S	130	575	19800
2502275	GED0030135S	135	575	19200
2502267	GED0030140S	140	575	19000
2502259	GED0030145S	145	640	27000
2502240	GED0030150S	150	640	26800
2502232	GED0030155S	155	640	26500

Code	No.	Ø mm	(mm)	Wt
2502224	GED0030160S	160	640	26300
2502216	GED0030165S	165	715	39500
2502194	GED0030170S	170	715	38500
2502186	GED0030175S	175	715	37000
2502178	GED0030180S	180	715	36000
2502151	GED0030185S	185	715	35800
2502143	GED0030190S	190	715	38500
2502135	GED0030195S	195	715	38500
2502127	GED0030200S	200	715	38000
2502119	GED0030205S	205	715	37500
2502100	GED0030210S	210	715	37000
2502410	GED0020220S	220	715	36500
2502097	GED0030230S	230	715	36500

**GED003**

**OPEN ENDED SLOGGING SPANNER INCH**

For very heavy-duty work



**"AF**

Code	No.	Ø "AF	(mm)	Wt
2509237	GED0030001S	1	150	200
2494507	GED0030002S	1.1/16	180	380
2498197	GED0030003S	1.1/8	180	370
2494493	GED0030004S	1.3/16	190	350
2498170	GED0030005S	1.1/4	210	680
2494485	GED0030006S	1.5/16	210	670
2498162	GED0030007S	1.3/8	210	650
2494477	GED0030008S	1.7/16	210	640
2498154	GED0030009S	1.1/2	210	630
2494418	GED0030252S	1.9/16	220	750
2498146	GED0030010S	1.5/8	220	790
2521180	GED0030011S	1.11/16	220	750
2498138	GED0030012S	1.3/4	250	1100
2521172	GED0030013S	1.13/16	250	1150
2498111	GED0030231S	1.7/8	255	1200
2509229	GED0030232S	2	275	1350
2494469	GED0030233S	2.1/16	275	1500
2498103	GED0030234S	2.1/8	300	1900
2494450	GED0030235S	2.3/16	290	1600
2498081	GED0030236S	2.1/4	290	1500
2494442	GED0030237S	2.5/16	290	1500
2497964	GED0030253S	2.3/8	320	2600
2494434	GED0030238S	2.7/16	330	3000
2497956	GED0030254S	2.1/2	330	3000
2494426	GED0030239S	2.9/16	330	3000
2498073	GED0030240S	2.5/8	380	4200
2498065	GED0030241S	2.3/4	380	3800
2521164	GED0030255S	2.13/16	380	3700
2521156	GED0030256S	2.15/16	380	3500
2509210	GED0030242S	3	380	4000
2498049	GED0030243S	3.1/8	370	4800
2498030	GED0030244S	3.1/4	370	4700
2498022	GED0030245S	3.3/8	370	4500
2498014	GED0030246S	3.1/2	430	7200
2498006	GED0030247S	3.5/8	430	7000
2497999	GED0030248S	3.3/4	430	6800
2497921	GED0030257S	3.7/8	430	6600
2509202	GED0030249S	4	470	9500
2497980	GED0030250S	4.1/8	470	9500
2497972	GED0030251S	4.1/2	510	13300

**GED010**

**RING SLOGGING SPANNER**

► For very heavy-duty work



 mm

Code	No.	Ø mm	l mm	W mm
2504812	GED0100017S	17	150	400
2504804	GED0100019S	19	150	400
2504790	GED0100022S	22	150	350
2504782	GED0100024S	24	150	350
2504766	GED0100027S	27	190	600
2504758	GED0100028S	28	190	580
2504731	GED0100029S	29	190	560
2504723	GED0100030S	30	190	550
2504715	GED0100032S	32	190	580
2504707	GED0100033S	33	190	570
2504693	GED0100034S	34	210	680
2504685	GED0100035S	35	210	700
2504677	GED0100036S	36	210	690
2504669	GED0100037S	37	210	680
2504642	GED0100038S	38	230	1100
2504634	GED0100041S	41	230	1000
2504626	GED0100042S	42	230	1000
2504618	GED0100046S	46	240	1250
2504596	GED0100047S	47	240	1270
2504588	GED0100050S	50	255	1400
2504561	GED0100052S	52	255	1400
2504553	GED0100054S	54	255	1350
2504545	GED0100055S	55	255	1340
2504537	GED0100056S	56	255	1330
2504510	GED0100057S	57	255	1300
2504502	GED0100058S	58	280	2500
2504499	GED0100060S	60	280	2400
2504480	GED0100063S	63	295	2900
2504472	GED0100065S	65	295	2800
2504464	GED0100067S	67	295	2700
2504456	GED0100070S	70	320	3400
2504448	GED0100071S	71	320	3300
2504421	GED0100075S	75	320	3200
2504413	GED0100076S	76	320	3100
2504391	GED0100077S	77	320	3000
2504383	GED0100080S	80	355	3600
2504375	GED0100082S	82	355	3500
2504367	GED0100085S	85	365	5000
2504359	GED0100088S	88	360	4800
2504340	GED0100090S	90	360	4600
2504332	GED0100094S	94	360	4500
2504324	GED0100095S	95	360	4400
2501430	GED0100100S	100	360	4200
2501422	GED0100105S	105	360	3900
2501414	GED0100110S	110	450	8600
2501406	GED0100115S	115	450	8100
2501392	GED0100120S	120	480	9700
2501384	GED0100125S	125	480	9500
2501376	GED0100128S	128	520	13200
2501333	GED0100130S	130	520	13200
2501325	GED0100135S	135	520	12900
2501317	GED0100140S	140	520	12900
2501309	GED0100145S	145	580	19000
2501295	GED0100150S	150	580	18000
2501287	GED0100155S	155	580	17200
2501279	GED0100160S	160	580	19000
2501260	GED0100165S	165	650	28000

Code	No.	Ø mm	l mm	W mm
2501252	GED0100170S	170	650	27700
2501244	GED0100175S	175	650	27000
2501228	GED0100180S	180	650	26000
2501201	GED0100185S	185	700	32700
2501198	GED0100190S	190	700	32200
2501171	GED0100195S	195	700	31800
2501163	GED0100200S	200	700	31000



**GED010**

**RING SLOGGING SPANNER INCH**

► For very heavy-duty work



 "AF

Code	No.	Ø "AF	l mm	W mm
2497883	GED0100201S	1 1/16	150	400
2504316	GED0100202S	3/4	150	400
2497875	GED0100203S	25/32	150	390
2497867	GED0100204S	13/16	150	380
2504308	GED0100205S	7/8	150	350
2497859	GED0100206S	15/16	150	350
2509199	GED0100207S	1	150	340
2494094	GED0100208S	1.1/16	190	700
2497840	GED0100209S	1.1/8	190	580
2497832	GED0100210S	1.1/4	190	580
2494086	GED0100211S	1.3/16	190	550
2494124	GED0100006S	1.5/16	190	570
2497816	GED0100212S	1.3/8	210	700
2494116	GED0100008S	1.7/16	210	690
2497905	GED0100009S	1.1/2	230	1100
2494108	GED0100010S	1.9/16	230	1000
2497808	GED0100213S	1.5/8	230	1000
2521024	GED0100214S	1.11/16	230	1000
2497891	GED0100013S	1.3/4	240	1200
2521008	GED0100215S	1.13/16	240	1250
2497794	GED0100216S	1.7/8	240	1270
2509180	GED0100217S	2	255	1400
2494043	GED0100233S	2.1/16	255	1400
2497786	GED0100218S	2.1/8	255	1350
2494078	GED0100219S	2.3/16	255	1340
2497778	GED0100220S	2.1/4	255	1300
2494019	GED0100234S	2.5/16	280	2500
2497751	GED0100221S	2.3/8	280	2400
2494000	GED0100235S	2.7/16	295	2700
2497662	GED0100236S	2.1/2	295	2900
2494051	GED0100222S	2.9/16	295	2800
2497743	GED0100223S	2.5/8	295	2700
2497735	GED0100224S	2.3/4	320	3200
2520982	GED0100237S	2.13/16	320	3300
2497727	GED0100225S	2.7/8	320	3300
2520990	GED0100226S	2.15/16	320	3200
2509164	GED0100227S	3	320	3100
2497719	GED0100230S	3.1/8	355	3600
2497654	GED0100238S	3.1/4	355	3500
2497646	GED0100239S	3.3/8	365	5000
2497638	GED0100240S	3.1/2	360	4800
2497611	GED0100241S	3.5/8	360	4500
2497689	GED0100231S	3.3/4	360	4500
2497670	GED0100232S	3.7/8	360	4300
2509156	GED0100242S	4	360	4200
2497603	GED0100243S	4.1/8	360	3900
2497581	GED0100244S	4.1/2	450	8100

**GED010**

**RING SLOGGING SPANNER OFFSET**

► For very heavy-duty work



 mm

Code	No.	Ø mm	l mm	l mm
2520974	<b>GED0100250S</b>	27	245	1100
2520966	<b>GED0100251S</b>	30	270	1500
2520958	<b>GED0100252S</b>	32	270	1500
2520931	<b>GED0100253S</b>	36	280	1600
2520923	<b>GED0100254S</b>	41	310	2100
2520915	<b>GED0100255S</b>	46	320	2500
2520907	<b>GED0100256S</b>	50	320	2500
2520885	<b>GED0100257S</b>	55	320	2600
2520877	<b>GED0100258S</b>	60	355	3200
2520869	<b>GED0100259S</b>	65	380	3800
2520850	<b>GED0100260S</b>	70	400	4600
2520842	<b>GED0100261S</b>	75	420	5700
2520834	<b>GED0100262S</b>	80	440	6600
2520826	<b>GED0100263S</b>	85	440	7000
2520818	<b>GED0100264S</b>	90	440	9300
2520796	<b>GED0100265S</b>	95	440	10000
2516489	<b>GED0100266S</b>	100	440	11700
2516470	<b>GED0100267S</b>	110	440	13400
2516462	<b>GED0100268S</b>	115	440	14500

**GED031**

**OPEN ENDED SPANNER**

► Jaw alternatively set at 90°, 45 or 15°



 mm

Code	No.	Degree	Ø mm	l mm	l mm
2519208	<b>GED0310022S-15</b>	15	22	320	450
2519151	<b>GED0310023S-15</b>	15	23	320	450
2519127	<b>GED0310024S-15</b>	15	24	350	600
2519097	<b>GED0310025S-15</b>	15	25	350	600
2519054	<b>GED0310026S-15</b>	15	26	380	850
2519011	<b>GED0310027S-15</b>	15	27	380	850
2518988	<b>GED0310028S-15</b>	15	28	420	1000
2520028	<b>GED0310029S-15</b>	45	29	420	1000
2518945	<b>GED0310030S-15</b>	15	30	420	1000
2518902	<b>GED0310032S-15</b>	15	32	450	1000
2518872	<b>GED0310033S-15</b>	15	33	450	1000
2518848	<b>GED0310034S-15</b>	15	34	450	1000
2518791	<b>GED0310035S-15</b>	15	35	500	1400
2518767	<b>GED0310036S-15</b>	15	36	500	1400
2518732	<b>GED0310037S-15</b>	15	37	500	1400
2518694	<b>GED0310038S-15</b>	15	38	500	1400
2518651	<b>GED0310041S-15</b>	15	41	550	1800
2518627	<b>GED0310042S-15</b>	15	42	550	1800
2518597	<b>GED0310046S-15</b>	15	46	600	2500
2518554	<b>GED0310047S-15</b>	15	47	600	2500
2518511	<b>GED0310050S-15</b>	15	50	660	3200
2518473	<b>GED0310052S-15</b>	15	52	660	3200
2518430	<b>GED0310054S-15</b>	15	54	660	4400
2518406	<b>GED0310055S-15</b>	15	55	730	4400
2518376	<b>GED0310056S-15</b>	15	56	730	4400
2518325	<b>GED0310058S-15</b>	15	58	800	5600
2518295	<b>GED0310060S-15</b>	15	60	800	5600



Code	No.	Degree	Ø mm	l mm	l mm
2519194	<b>GED0310022S-45</b>	45	22	320	450
2519143	<b>GED0310023S-45</b>	45	23	320	450
2519119	<b>GED0310024S-45</b>	45	24	350	600
2519089	<b>GED0310025S-45</b>	45	25	350	600
2519046	<b>GED0310026S-45</b>	45	26	380	850
2519003	<b>GED0310027S-45</b>	45	27	380	850
2518961	<b>GED0310028S-45</b>	45	28	420	1000
2520001	<b>GED0310029S-45</b>	45	29	420	1000
2518929	<b>GED0310030S-45</b>	45	30	420	1000
2518899	<b>GED0310032S-45</b>	45	32	450	1000
2518864	<b>GED0310033S-45</b>	45	33	450	1000
2518821	<b>GED0310034S-45</b>	45	34	450	1000
2518783	<b>GED0310035S-45</b>	45	35	500	1400
2518759	<b>GED0310036S-45</b>	45	36	500	1400
2518724	<b>GED0310037S-45</b>	45	37	500	1400
2518686	<b>GED0310038S-45</b>	45	38	500	1400
2518643	<b>GED0310041S-45</b>	45	41	550	1800
2518619	<b>GED0310042S-45</b>	45	42	550	1800
2518570	<b>GED0310046S-45</b>	45	46	600	2500
2518546	<b>GED0310047S-45</b>	45	47	600	2500
2518503	<b>GED0310050S-45</b>	45	50	660	3200
2518465	<b>GED0310052S-45</b>	45	52	660	3200
2518422	<b>GED0310054S-45</b>	45	54	660	4400
2518392	<b>GED0310055S-45</b>	45	55	730	4400
2518368	<b>GED0310056S-45</b>	45	56	730	4400
2518317	<b>GED0310058S-45</b>	45	58	800	5600
2518287	<b>GED0310060S-45</b>	45	60	800	5600

Code	No.	Degree	Ø mm	l mm	l mm
2519178	<b>GED0310022S-90</b>	90	22	320	450
2519135	<b>GED0310023S-90</b>	90	23	320	450
2519100	<b>GED0310024S-90</b>	90	24	350	600
2519070	<b>GED0310025S-90</b>	90	25	350	600
2519038	<b>GED0310026S-90</b>	90	26	380	850
2518996	<b>GED0310027S-90</b>	90	27	380	850
2518953	<b>GED0310028S-90</b>	90	28	420	1000
2519992	<b>GED0310029S-90</b>	90	29	420	1000
2518910	<b>GED0310030S-90</b>	90	30	420	1000
2518880	<b>GED0310032S-90</b>	90	32	450	1000
2518856	<b>GED0310033S-90</b>	90	33	450	1000
2518805	<b>GED0310034S-90</b>	90	34	450	1000
2518775	<b>GED0310035S-90</b>	90	35	500	1400
2518740	<b>GED0310036S-90</b>	90	36	500	1400
2518716	<b>GED0310037S-90</b>	90	37	500	1400
2518678	<b>GED0310038S-90</b>	90	38	500	1400
2518635	<b>GED0310041S-90</b>	90	41	550	1800
2518600	<b>GED0310042S-90</b>	90	42	550	1800
2518562	<b>GED0310046S-90</b>	90	46	600	2500
2518538	<b>GED0310047S-90</b>	90	47	600	2500
2518481	<b>GED0310050S-90</b>	90	50	660	3200
2518449	<b>GED0310052S-90</b>	90	52	660	3200
2518414	<b>GED0310054S-90</b>	90	54	660	4400
2518384	<b>GED0310055S-90</b>	90	55	730	4400
2518341	<b>GED0310056S-90</b>	90	56	730	4400
2518309	<b>GED0310058S-90</b>	90	58	800	5600
2518279	<b>GED0310060S-90</b>	90	60	800	5600

**GED031**

**OPEN ENDED SPANNER INCH**

▣ Jaw alternatively set at 90°, 45 or 15°



 "AF"

Code	No.	Degree	⌀ <sup>AF</sup>	(mm)	mm
2492431	GED03100015-15	15	13/16	320	450
2516098	GED03100025-15	15	7/8	320	450
2492075	GED03100035-15	15	15/16	350	600
2491710	GED03100045-15	15	31/32	350	600
2492296	GED03100055-15	15	1	350	600
2518333	GED03100065-15	15	1.1/16	380	850
2523930	GED03100075-15	15	1.1/8	420	1000
2517957	GED03100085-15	15	1.3/16	450	1000
2523574	GED03100095-15	15	1.1/4	450	1000
2517590	GED03100105-15	15	1.5/16	450	1000
2523205	GED03100115-15	15	1.3/8	500	1400
2517221	GED03100125-15	15	1.7/16	500	1400
2522837	GED03100135-15	15	1.1/2	500	1400
2516861	GED03100145-15	15	1.9/16	550	1800
2522489	GED03100155-15	15	1.5/8	550	1800
2502569	GED03100165-15	15	1.11/16	550	1800
2522128	GED03100175-15	15	1.3/4	600	2500
2498901	GED03100185-15	15	1.13/16	600	2500
2521741	GED03100195-15	15	1.7/8	600	2500
2492253	GED03100205-15	15	2	660	3200
2516500	GED03100215-15	15	2.1/16	660	3200
2521377	GED03100615-15	15	2.1/8	660	4400
2516144	GED03100625-15	15	2.3/16	730	4400
2521016	GED03100635-15	15	2.1/4	800	4400
2515776	GED03100645-15	15	2.5/16	800	5600
2520656	GED03100655-15	15	2.3/8	800	5600

Code	No.	Degree	⌀ <sup>AF</sup>	(mm)	mm
2492326	GED03100015-45	45	13/16	320	450
2516071	GED03100025-45	45	7/8	320	450
2491966	GED03100035-45	45	15/16	350	600
2491591	GED03100045-45	45	31/32	350	600
2492288	GED03100055-45	45	1	350	600
2518228	GED03100065-45	45	1.1/16	380	850
2523817	GED03100075-45	45	1.1/8	420	1000
2517833	GED03100085-45	45	1.3/16	450	1000
2523450	GED03100095-45	45	1.1/4	450	1000
2517477	GED03100105-45	45	1.5/16	450	1000
2523094	GED03100115-45	45	1.3/8	500	1400
2517116	GED03100125-45	45	1.7/16	500	1400
2522713	GED03100135-45	45	1.1/2	500	1400
2516748	GED03100145-45	45	1.9/16	550	1800
2522357	GED03100155-45	45	1.5/8	550	1800
2501341	GED03100165-45	45	1.11/16	550	1800
2521997	GED03100175-45	45	1.3/4	600	2500
2497697	GED03100185-45	45	1.13/16	600	2500
2521628	GED03100195-45	45	1.7/8	600	2500
2492245	GED03100205-45	45	2	660	3200
2516373	GED03100215-45	45	2.1/16	660	3200
2521245	GED03100615-45	45	2.1/8	660	4400
2516012	GED03100625-45	45	2.3/16	730	4400
2520893	GED03100635-45	45	2.1/4	800	4400
2515652	GED03100645-45	45	2.5/16	800	5600
2520532	GED03100655-45	45	2.3/8	800	5600

Code	No.	Degree	⌀ <sup>AF</sup>	(mm)	mm
2492199	GED03100015-90	90	13/16	320	450
2516063	GED03100025-90	90	7/8	320	450
2491842	GED03100035-90	90	15/16	350	600
2524066	GED03100045-90	90	31/32	350	600
2492261	GED03100055-90	90	1	350	600
2518090	GED03100065-90	90	1.1/16	380	850
2523698	GED03100075-90	90	1.1/8	420	1000
2517728	GED03100085-90	90	1.3/16	450	1000
2523329	GED03100095-90	90	1.1/4	450	1000
2517345	GED03100105-90	90	1.5/16	450	1000
2522977	GED03100115-90	90	1.3/8	500	1400
2516993	GED03100125-90	90	1.7/16	500	1400
2522608	GED03100135-90	90	1.1/2	500	1400
2516624	GED03100145-90	90	1.9/16	550	1800
2522233	GED03100155-90	90	1.5/8	550	1800
2500124	GED03100165-90	90	1.11/16	550	1800
2521865	GED03100175-90	90	1.3/4	600	2500
2496453	GED03100185-90	90	1.13/16	600	2500
2521490	GED03100195-90	90	1.7/8	600	2500
2492237	GED03100205-90	90	2	660	3200
2516268	GED03100215-90	90	2.1/16	660	3200
2521121	GED03100615-90	90	2.1/8	660	4400
2515881	GED03100625-90	90	2.3/16	730	4400
2520761	GED03100635-90	90	2.1/4	800	4400
2514796	GED03100645-90	90	2.5/16	800	5600
2520400	GED03100655-90	90	2.3/8	800	5600





**GED027**

**DEEP RING SPANNER**  
 ▽ Offset, bi-hexagon



mm

Code	No.	Ø mm	l mm	W mm
2510790	GED0270025S	22	260	960
2510804	GED0270024S	24	260	1000
2510782	GED0270027S	27	260	960
2510774	GED0270030S	30	260	950
2510758	GED0270032S	32	260	940
2510731	GED0270033S	33	260	920
2510723	GED0270034S	34	260	910
2510715	GED0270035S	35	260	910
2510707	GED0270036S	36	260	910
2510693	GED0270037S	37	270	1200
2510685	GED0270038S	38	270	1900
2510677	GED0270041S	41	270	1100
2510669	GED0270042S	42	270	1100
2510650	GED0270046S	46	300	1500
2510634	GED0270047S	47	300	1500
2510626	GED0270050S	50	300	1700
2510618	GED0270052S	52	350	2600
2510596	GED0270054S	54	350	2500
2510588	GED0270055S	55	300	1900
2510561	GED0270056S	56	350	2600
2510553	GED0270058S	58	350	2500
2510545	GED0270060S	60	370	2500
2510537	GED0270063S	63	370	2500
2510529	GED0270065S	65	400	3200
2510502	GED0270067S	67	400	3100
2510499	GED0270070S	70	400	3000
2510480	GED0270071S	71	400	2800
2510472	GED0270075S	75	400	2700
2510464	GED0270077S	77	400	2600
2510456	GED0270080S	80	410	5000
2510448	GED0270082S	82	410	5000
2510421	GED0270085S	85	410	5100
2510413	GED0270090S	90	410	5010
2510405	GED0270095S	95	410	4790
2508435	GED0270100S	100	412	4545

**GED027**

**EXTENSION TUBE FOR DEEP RING SPANNERS**  
 ▽ For extending the lever arm and applying higher forces



Code	No.	Ø	l mm	W mm
2511967	GED0271001S	22 - 42 mm / 1.3/16 - 1.5/8AF	22	600 1100
2511959	GED0271002S	46 - 58 mm / 1.11/16 - 2.1/4AF	25	750 2800
2510383	GED0271003S	60 - 100 mm / 2.5/16 - 3.3/8AF	30	850 3800

**GED027**

**DEEP RING SPANNER INCH**  
 ▽ Offset, bi-hexagon



"AF

Code	No.	Ø "AF	l mm	W mm
2503913	GED0270001S	1.3/16	260	950
2506637	GED0270002S	1.1/4	260	940
2503905	GED0270003S	1.5/16	260	920
2506629	GED0270004S	1.3/8	260	910
2503891	GED0270005S	1.7/16	260	910
2506610	GED0270006S	1.1/2	270	1900
2503883	GED0270007S	1.9/16	270	1200
2506599	GED0270008S	1.5/8	270	1100
2499673	GED0270009S	1.11/16	270	1100
2506580	GED0270010S	1.3/4	270	1000
2499665	GED0270011S	1.13/16	300	1500
2506572	GED0270012S	1.7/8	300	1500
2513021	GED0270013S	2	300	1700
2503875	GED0270014S	2.1/16	350	2600
2506564	GED0270015S	2.1/8	350	2400
2503867	GED0270016S	2.3/16	300	1900
2506556	GED0270017S	2.1/4	350	2500
2503859	GED0270018S	2.5/16	350	2500
2506548	GED0270019S	2.3/8	370	2500
2503840	GED0270020S	2.7/16	370	2500
2506521	GED0270021S	2.1/2	370	2500
2503832	GED0270022S	2.9/16	400	3200
2506513	GED0270023S	2.5/8	400	3100
2506505	GED0270104S	2.3/4	400	3000
2499657	GED0270105S	2.13/16	400	2800
2499630	GED0270106S	2.15/16	400	2700
2513013	GED0270107S	3	400	2500
2506491	GED0270108S	3.1/8	410	4900
2506475	GED0270109S	3.1/4	410	5000
2506467	GED0270110S	3.3/8	410	5100

**GED027**

**DEEP RING SPANNER SET, 18 PIECES**  
 ▽ Sets of the most used sizes



mm

Code	No.	Contents	W mm
2492318	GED0270111S	Spanners 24 - 27 - 30 - 32 - 36 41 - 46 - 50 - 55 - 60 65 - 70 - 75 - 80 - 85 Extension tubes 22 - 42 / 46 - 58 / 60 - 100	40200



**INSTALLATION SPANNERS NON-SPARKING**

**GED01373**

**INSTALLATION OPEN-END SPANNER WITH MANDREL**

► Practical combination of open ended spanner and setting punch



 mm

Code	No.	Ø mm	l mm	l mm
2501058	GED0137300S	17	320	270
2501031	GED0137301S	18	320	270
2501023	GED0137302S	19	350	465
2501015	GED0137303S	20	350	465
2501007	GED0137304S	21	350	465
2500981	GED0137305S	22	350	465
2500965	GED0137306S	23	370	650
2500957	GED0137307S	24	370	650
2500949	GED0137308S	25	370	650
2500930	GED0137309S	26	370	650
2500922	GED0137310S	27	370	650
2500914	GED0137311S	28	400	950
2500906	GED0137312S	29	400	950
2500892	GED0137313S	30	400	950
2500884	GED0137314S	32	400	950
2500876	GED0137315S	33	400	950
2500841	GED0137316S	34	400	950
2500833	GED0137317S	35	430	1400
2500825	GED0137318S	36	430	1400
2500817	GED0137319S	37	430	1400
2500809	GED0137320S	38	430	1400
2500795	GED0137321S	41	470	1900
2500787	GED0137322S	42	470	1900
2500779	GED0137323S	46	500	2700
2500760	GED0137324S	47	500	2700
2500752	GED0137325S	50	530	3550

**GED01373**

**INSTALLATION OPEN-END SPANNER WITH MANDREL INCH**

► Practical combination of open ended spanner and setting punch



 "AF

Code	No.	Ø "AF	l mm	l mm
2493330	GED0137326S	11/16	320	270
2500736	GED0137327S	3/4	350	270
2493322	GED0137328S	25/32	350	465
2493314	GED0137329S	13/16	350	465
2500728	GED0137330S	7/8	350	465
2493292	GED0137331S	15/16	370	465
2493284	GED0137332S	31/32	370	650
2506947	GED0137333S	1	370	650
2519984	GED0137334S	1.1/16	370	650
2493276	GED0137335S	1.1/8	400	650
2519976	GED0137336S	1.3/16	400	650
2493268	GED0137337S	1.1/4	400	950
2519968	GED0137338S	1.5/16	400	950
2493241	GED0137339S	1.3/8	430	950
2519941	GED0137340S	1.7/16	430	1400
2493233	GED0137341S	1.1/2	430	1400
2519933	GED0137342S	1.9/16	470	1400
2493225	GED0137343S	1.5/8	470	1900
2516330	GED0137344S	1.11/16	470	1900
2493217	GED0137345S	1.3/4	500	1900
2516322	GED0137346S	1.13/16	500	2700
2493209	GED0137347S	1.7/8	500	2700
2506939	GED0137348S	2	530	3550



**GED01373**

**INSTALLATION OPEN-END SPANNER WITH MANDREL, OFFSET**

► Practical combination of open ended spanner offset and setting punch



 mm

Code	No.	Ø mm	l mm	l mm
2500701	GED0137349S	17	320	295
2500698	GED0137350S	18	320	295
2500671	GED0137351S	19	350	510
2500663	GED0137352S	20	350	510
2500655	GED0137353S	21	350	510
2500647	GED0137354S	22	350	510
2500639	GED0137355S	23	370	715
2500620	GED0137356S	24	370	715
2500604	GED0137357S	25	370	715
2500590	GED0137358S	26	370	715
2500582	GED0137359S	27	370	715
2500574	GED0137360S	28	400	1145
2500566	GED0137361S	29	400	1145

Code	No.	Ø mm	l mm	l mm
2500558	GED0137362S	30	400	1145
2500531	GED0137363S	32	400	1145
2500523	GED0137364S	33	400	1145
2500515	GED0137365S	34	400	1145
2500507	GED0137366S	35	430	1540
2500485	GED0137367S	36	430	1540
2500477	GED0137368S	37	430	1540
2500469	GED0137369S	38	430	1540
2500450	GED0137370S	41	470	2090
2500442	GED0137371S	42	470	2090
2500434	GED0137372S	46	500	2970
2500426	GED0137373S	47	500	2970
2500418	GED0137374S	50	530	3900



**GED01373**

**INSTALLATION OPEN-END SPANNER WITH MANDREL INCH, OFFSET**  
 Practical combination of open ended spanner offset and setting punch



⊕ "AF

Code	No.	⊕ "AF	(mm)	↕
2493195	<b>GED0137375S</b>	11/16	290	295
2500396	<b>GED0137376S</b>	7/8	355	510
2493179	<b>GED0137377S</b>	15/16	355	510
2519925	<b>GED0137378S</b>	1.1/16	380	715
2519909	<b>GED0137379S</b>	1.3/16	410	715
2493160	<b>GED0137380S</b>	1.1/4	380	1145
2519895	<b>GED0137381S</b>	1.7/16	460	1540
2493152	<b>GED0137382S</b>	1.1/2	460	1145
2493144	<b>GED0137383S</b>	1.5/8	510	2090
2516314	<b>GED0137384S</b>	1.13/16	550	2970
2506920	<b>GED0137385S</b>	2	550	3900

**GED01375**

**INSTALLATION RING SPANNER WITH MANDREL INCH, OFFSET**  
 Practical combination of ring spanner offset and setting punch  
 Bi-hexagon



⊕ "AF

Code	No.	⊕ "AF	(mm)	↕
2492970	<b>GED0137526S</b>	11/16	290	295
2500051	<b>GED0137527S</b>	7/8	355	510
2492962	<b>GED0137528S</b>	15/16	355	510
2519690	<b>GED0137529S</b>	1.1/16	380	715
2519682	<b>GED0137530S</b>	1.3/16	410	715
2492954	<b>GED0137531S</b>	1.1/4	380	1145
2519666	<b>GED0137532S</b>	5.7/16	460	1540
2492938	<b>GED0137533S</b>	1.1/2	460	1145
2492911	<b>GED0137534S</b>	1.5/8	510	2090
2516306	<b>GED0137535S</b>	1.13/16	550	2970
2506912	<b>GED0137536S</b>	2	550	3900

**GED01375**

**INSTALLATION RING SPANNER WITH MANDREL, OFFSET**  
 Practical combination of ring spanner offset and setting punch  
 Bi-hexagon



⊕ mm

Code	No.	⊕ mm	(mm)	↕
2500388	<b>GED0137500S</b>	17	320	295
2500353	<b>GED0137501S</b>	18	320	295
2500345	<b>GED0137502S</b>	19	350	510
2500337	<b>GED0137503S</b>	20	350	510
2500329	<b>GED0137504S</b>	21	350	510
2500310	<b>GED0137505S</b>	22	350	510
2500302	<b>GED0137506S</b>	23	370	715
2500299	<b>GED0137507S</b>	24	370	715
2500280	<b>GED0137508S</b>	25	370	715
2500272	<b>GED0137509S</b>	26	370	715
2500264	<b>GED0137510S</b>	27	370	715
2500248	<b>GED0137511S</b>	28	400	1145
2500221	<b>GED0137512S</b>	29	400	1145
2500213	<b>GED0137513S</b>	30	400	1145
2500205	<b>GED0137514S</b>	32	400	1145
2500191	<b>GED0137515S</b>	33	400	1145
2500183	<b>GED0137516S</b>	34	400	1145
2500175	<b>GED0137517S</b>	35	430	1540
2500167	<b>GED0137518S</b>	36	430	1540
2500159	<b>GED0137519S</b>	37	430	1540
2500140	<b>GED0137520S</b>	38	430	1540
2500116	<b>GED0137521S</b>	41	470	2090
2500108	<b>GED0137522S</b>	42	470	2090
2500094	<b>GED0137523S</b>	46	500	2970
2500086	<b>GED0137524S</b>	47	500	2970
2500078	<b>GED0137525S</b>	50	530	3900

**SPECIAL SPANNERS NON-SPARKING**

**GED703**

**COUPLING SPANNER**  
 For tank/truck (Storz) couplings A - B - C



Code	No.	∅	(mm)	↕
2511878	<b>GED7030455S</b>	14	440	800

**GED703**

**COUPLING SPANNER**  
 For tank/truck (Storz) couplings B - C  
 PVC-insulated handle against cold



Code	No.	∅	(mm)	↕
2521954	<b>GED7030285S</b>	12	280	450

**GED091**

**SWIVEL-HEAD HOOK SPANNER**



Code	No.	Ø	↳mm↳	↕
2496968	<b>GED09111175</b>	32-75	205	230
2517108	<b>GED0913275S</b>	50-120	285	450
2515407	<b>GED0915012S</b>	115-170	310	500

**GED090**

**HOOK SPANNER**



Code	No.	Ø	↳mm↳	↕
2506068	<b>GED0901214S</b>	12-14	110	30
2506041	<b>GED0901620S</b>	16-20	110	30
2506033	<b>GED0902528S</b>	25-28	135	50
2506025	<b>GED0903032S</b>	30-32	135	50
2506017	<b>GED0903436S</b>	34-36	170	100
2506009	<b>GED0904042S</b>	40-42	170	100
2505983	<b>GED0904550S</b>	45-50	205	190
2505975	<b>GED0905255S</b>	52-55	205	190
2505967	<b>GED0905862S</b>	58-62	240	215
2505959	<b>GED0906875S</b>	68-75	240	200
2505940	<b>GED0908090S</b>	80-90	280	410
2503093	<b>GED0909510S</b>	95-100	280	410
2499045	<b>GED0909700S</b>	110-115	335	730
2499029	<b>GED0909800S</b>	120-130	335	730
2499010	<b>GED0909900S</b>	135-145	390	1150
2499002	<b>GED0909990S</b>	155-165	390	1150
2498995	<b>GED0909991S</b>	180-195	465	1410
2498987	<b>GED0909992S</b>	205-220	465	1385

**GED700**

**SLIDE CLAW**



Code	No.	Size	↳mm↳	↕
2509458	<b>GED7000500S</b>	30 - 40	500	720

**GED702**

**VALVE HOOK**



Code	No.	Ø	Distance	↳mm↳	↕
2512270	<b>GED7021330S</b>	13	30	300	350
2512262	<b>GED7021335S</b>	13	35	350	600
2512254	<b>GED7021640S</b>	16	40	400	680
2512246	<b>GED7021645S</b>	16	45	450	1100
2512211	<b>GED7021950S</b>	19	50	500	1200
2512203	<b>GED7022260S</b>	22	60	600	2000
2512181	<b>GED7022570S</b>	25	70	700	3000
2512173	<b>GED7022880S</b>	28	80	800	5300

**GED703**

**FACE PIN SPANNER**



Code	No.	Distance pin	↳mm↳	↕
2505452	<b>GED9991024S</b>	35	5	180

**GED701**

**HANDWHEEL SPANNER**

▶ Analogous with DIN 87311



Code	No.	Ø	↳mm↳	↕
2498707	<b>GED7013660S</b>	36 x 60	370	650
2498693	<b>GED7014880S</b>	48 x 80	430	2600
2495546	<b>GED7014810S</b>	62 x 102	550	1300





**GED9991**

**B-HANDWHEEL SPANNER**



Code	No.	Ø	(mm)	mm
2521520	<b>GED9991010S</b>	36 x 60	330	600
2521512	<b>GED9991011S</b>	48 x 80	470	1400
2521504	<b>GED9991012S</b>	62 x 102	600	2600

**GED9991**

**SPANNER FOR TANKER VALVE**



Code	No.	Execution	Pin	External dimension	Opening	Handle	mm
2495430	<b>GED9991007S</b>	Type A	20	160 x 90	64 x 32	500	1800
2495422	<b>GED9991008S</b>	Type B	20	150 x 90	64 x 32	500	1600
2495414	<b>GED9991009S</b>	Type C	20	190 x 90	95 x 47,5	500	2500

**GED0341**

**SQUARE SOCKET SPANNER ANGLED**



Code	No.	O mm	(mm)	mm
2524031	<b>GED0341110S</b>	8	150	90
2524023	<b>GED0341111S</b>	9	160	100
2524015	<b>GED0341112S</b>	10	175	120
2523663	<b>GED0341113S</b>	12	215	220
2523647	<b>GED0341114S</b>	13	230	280
2523639	<b>GED0341115S</b>	14	240	280
2523620	<b>GED0341116S</b>	17	280	330

**GED0359**

**TRIANGULAR SOCKET SPANNER SET 1/2"**



Code	No.	□"	Size	(mm)	mm
2499037	<b>GED0359502S</b>	1/2	M6	40	70
2498928	<b>GED0359503S</b>	1/2	M8	40	75
2498782	<b>GED0359504S</b>	1/2	M10	40	80
2498669	<b>GED0359505S</b>	1/2	M12	40	90
2498537	<b>GED0359506S</b>	1/2	M16	50	150
2498413	<b>GED0359507S</b>	1/2	M20	50	215
2498308	<b>GED0359508S</b>	1/2	M24	60	435

**GED0300**

**TRIANGULAR SOCKET SPANNER**

- ▶ Analogous with DIN 22417
- ▶ With inserted-through, moveable sliding bar

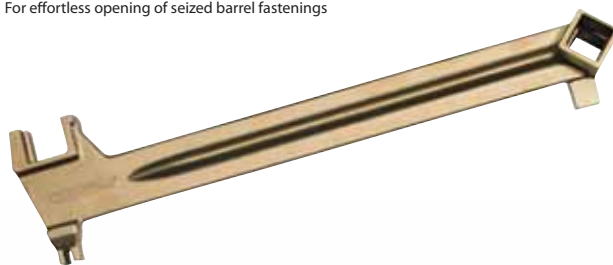


Code	No.	Size	(mm)	mm
2503824	<b>GED0300004S</b>	M4	95	80
2503786	<b>GED0300005S</b>	M5	110	100
2503778	<b>GED0300006S</b>	M6	115	170
2503751	<b>GED0300008S</b>	M8	125	280
2499622	<b>GED0300010S</b>	M10	140	390
2499614	<b>GED0300012S</b>	M12	160	700
2499606	<b>GED0300016S</b>	M16	180	980
2499592	<b>GED0300020S</b>	M20	200	2100
2499584	<b>GED0300024S</b>	M24	220	3100

**GED0150**

**BARREL SPANNER UNIVERSAL**

- ▶ For effortless opening of seized barrel fastenings



Code	No.	(mm)	mm
2519356	<b>GED0150380S</b>	380	1250

**GED0150**

**UNIVERSAL WRENCH**



Code	No.	(mm)	mm
2504081	<b>GED0150381S</b>	300	600



**GED0150**

SPECIAL ALL-PURPOSE SPANNER



Code	No.	↳mm↳	↕↔
2518457	<b>GED01503825</b>	400	1700

**GED7240**

SEWER LID HOOK



Code	No.	↳mm↳	↕↔
2507498	<b>GED72400035</b>	500	770

**GED7240**

SEWER LID HOOK - REINFORCED TYPE



Code	No.	↳mm↳	↕↔
2507501	<b>GED72400025</b>	700	1200

**GED0251**

HEXAGONAL SOCKET SPANNER



Code	No.	Ø mm	↳mm↳	↕↔
2499703	<b>GED02510555</b>	8	190	110
2499681	<b>GED02510565</b>	9	200	135
2497344	<b>GED02510575</b>	10	215	160
2497328	<b>GED02510585</b>	11	230	210
2497301	<b>GED02510595</b>	12	250	260
2497298	<b>GED02510605</b>	13	265	350
2497271	<b>GED02510615</b>	14	265	350
2497263	<b>GED02510625</b>	15	280	400
2497255	<b>GED02510635</b>	16	280	400
2497247	<b>GED02510645</b>	17	300	450
2497239	<b>GED02510655</b>	18	300	450
2497220	<b>GED02510665</b>	19	325	650
2497212	<b>GED02510675</b>	20	325	650
2497190	<b>GED02510685</b>	21	350	830
2497182	<b>GED02510695</b>	22	350	830
2497174	<b>GED02510705</b>	23	380	1140
2497166	<b>GED02510715</b>	24	380	1140
2497158	<b>GED02510725</b>	25	415	1450
2497131	<b>GED02510735</b>	26	415	1450
2497123	<b>GED02510745</b>	27	415	1450
2497115	<b>GED02510755</b>	28	450	1800
2497107	<b>GED02510765</b>	29	450	1800
2497093	<b>GED02510775</b>	30	450	1800
2497077	<b>GED02510785</b>	32	485	2450
2497069	<b>GED02510795</b>	33	485	2450
2497050	<b>GED02510805</b>	34	485	2450
2497042	<b>GED02510815</b>	35	530	3300
2497034	<b>GED02510825</b>	36	530	3300
2497026	<b>GED02510835</b>	37	530	3300
2497018	<b>GED02510845</b>	38	530	3300
2496992	<b>GED02510855</b>	41	580	4000
2496984	<b>GED02510865</b>	42	580	4000
2496976	<b>GED02510875</b>	46	635	4800
2496941	<b>GED02510885</b>	47	635	4800
2496933	<b>GED02510895</b>	50	320	4900
2496925	<b>GED02510905</b>	52	320	4900
2496917	<b>GED02510915</b>	54	340	6500
2496909	<b>GED02510925</b>	55	340	6500
2496895	<b>GED02510935</b>	56	340	6500
2496887	<b>GED02510945</b>	58	360	8300
2496879	<b>GED02510955</b>	60	360	8300
2496860	<b>GED02510965</b>	63	360	8300
2496852	<b>GED02510975</b>	65	380	10500
2496836	<b>GED02510985</b>	67	380	10500
2496828	<b>GED02510995</b>	70	380	10500
2496801	<b>GED02511005</b>	71	380	10500
2496798	<b>GED02511015</b>	75	400	14300
2496771	<b>GED02511025</b>	77	400	14300
2496763	<b>GED02511035</b>	80	400	14300
2496755	<b>GED02511045</b>	82	400	14300
2496747	<b>GED02511055</b>	85	425	19200
2496739	<b>GED02511065</b>	88	425	19200
2496720	<b>GED02511075</b>	90	425	19200
2496704	<b>GED02511085</b>	94	455	26000
2496690	<b>GED02511095</b>	95	455	26000
2492369	<b>GED02511105</b>	100	455	26000



**GED0251**

TOMMY BAR FOR HEXAGONAL SOCKET SPANNER



Code	No.	Ø	↳mm←	up to size mm	↳mm←
2513714	<b>GED0251111S</b>	6	150	10	40
2513692	<b>GED0251112S</b>	8	190	12	75
2512084	<b>GED0251113S</b>	10	190	16	90
2512076	<b>GED0251114S</b>	10	250	22	185
2512068	<b>GED0251115S</b>	12	315	27	310
2512041	<b>GED0251116S</b>	16	400	34	600
2512033	<b>GED0251117S</b>	16	500	38	920
2512025	<b>GED0251118S</b>	20	630	47	1600
2512017	<b>GED0251119S</b>	24	800	63	3100
2512009	<b>GED0251120S</b>	24	1000	63	3850
2511991	<b>GED0251121S</b>	30	1250	82	7500
2511975	<b>GED0251122S</b>	36	1600	100	15000



**GED0340**

HEXAGONAL SOCKET SPANNER ANGLED



Code	No.	Ø mm	↳mm←	↳mm←
2492229	<b>GED0340085</b>	8	175	100
2492210	<b>GED0340095</b>	9	185	120
2492202	<b>GED0340010S</b>	10	195	140
2492180	<b>GED0340011S</b>	11	205	180
2492172	<b>GED0340012S</b>	12	220	220
2492164	<b>GED0340013S</b>	13	240	280
2492156	<b>GED0340014S</b>	14	240	280
2492148	<b>GED0340015S</b>	15	250	300
2492121	<b>GED0340016S</b>	16	250	300
2492113	<b>GED0340017S</b>	17	270	320
2492105	<b>GED0340018S</b>	18	270	320
2492091	<b>GED0340019S</b>	19	290	530
2492083	<b>GED0340020S</b>	20	290	530
2492067	<b>GED0340021S</b>	21	310	680
2492059	<b>GED0340022S</b>	22	310	680
2492040	<b>GED0340023S</b>	23	335	830
2492032	<b>GED0340024S</b>	24	335	830
2492024	<b>GED0340025S</b>	25	365	1000
2492016	<b>GED0340026S</b>	26	365	1000
2492008	<b>GED0340027S</b>	27	365	1000
2491990	<b>GED0340028S</b>	28	395	1300
2491982	<b>GED0340029S</b>	29	395	1300
2491974	<b>GED0340030S</b>	30	395	1300
2491958	<b>GED0340032S</b>	32	425	1700
2491931	<b>GED0340033S</b>	33	425	1700
2491923	<b>GED0340034S</b>	34	425	1700
2491915	<b>GED0340035S</b>	35	465	2800
2491907	<b>GED0340036S</b>	36	465	2800
2491893	<b>GED0340037S</b>	37	465	2800
2491885	<b>GED0340038S</b>	38	465	2800
2491877	<b>GED0340041S</b>	41	510	3600
2491869	<b>GED0340042S</b>	42	510	3600
2491850	<b>GED0340046S</b>	46	555	4000
2491834	<b>GED0340047S</b>	47	555	4000
2491826	<b>GED0340050S</b>	50	605	4800
2491818	<b>GED0340052S</b>	52	605	4800
2491796	<b>GED0340054S</b>	54	660	6400
2491788	<b>GED0340055S</b>	55	660	6400
2491761	<b>GED0340056S</b>	56	660	6400
2491753	<b>GED0340058S</b>	58	730	8200
2491745	<b>GED0340060S</b>	60	730	8200
2491737	<b>GED0340063S</b>	63	730	8200
2491729	<b>GED0340065S</b>	65	800	10400
2491702	<b>GED0340067S</b>	67	800	10400
2491699	<b>GED0340070S</b>	70	800	10400
2491680	<b>GED0340071S</b>	71	800	10400
2491672	<b>GED0340075S</b>	75	880	14100
2491664	<b>GED0340077S</b>	77	880	14100
2491656	<b>GED0340080S</b>	80	880	14100
2491648	<b>GED0340082S</b>	82	880	14100

**GED0340**

**HEXAGONAL SOCKET SPANNER DOUBLE-SIDED**

For use with open-ended spanner or tommy bar



Code	No.	Ø mm	l mm	W mm
2496674	<b>GED0340083S</b>	7 x 8	95	50
2491621	<b>GED0340084S</b>	9 x 10	105	70
2491613	<b>GED0340085S</b>	10 x 11	120	85
2491605	<b>GED0340086S</b>	12 x 14	135	160
2524163	<b>GED0340087S</b>	14 x 17	150	205
2524155	<b>GED0340088S</b>	17 x 19	160	280
2524147	<b>GED0340089S</b>	19 x 22	170	335
2524139	<b>GED0340090S</b>	20 x 22	170	355
2524120	<b>GED0340091S</b>	24 x 26	180	480
2524112	<b>GED0340092S</b>	24 x 27	190	530
2524104	<b>GED0340093S</b>	27 x 32	200	870
2524090	<b>GED0340094S</b>	30 x 32	210	890
2524082	<b>GED0340095S</b>	30 x 36	220	1080
2524074	<b>GED0340096S</b>	36 x 41	230	1700

**GED0340**

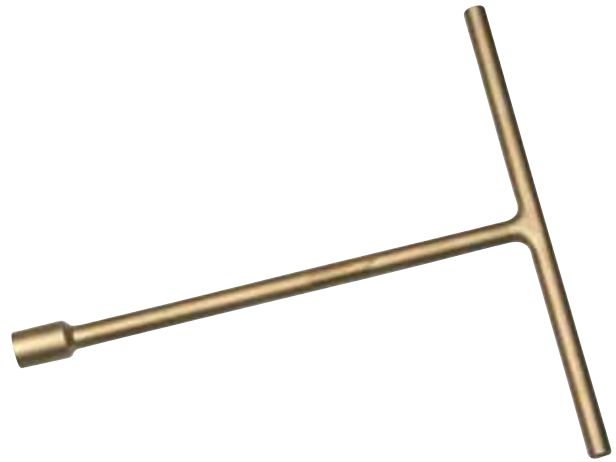
**TOMMY BAR FOR HEXAGONAL SOCKET SPANNER**



Code	No.	Ø	l mm	up to size mm	W mm
2513005	<b>GED0340097S</b>	5	110	7 x 8	15
2510375	<b>GED0340098S</b>	6	150	10 x 11	40
2508427	<b>GED0340099S</b>	10	220	14 x 17	120
2508419	<b>GED0340100S</b>	12	300	20 x 22	300
2508400	<b>GED0340101S</b>	15	390	24 x 27	480
2508397	<b>GED0340102S</b>	16	500	36 x 41	750

**GED0340**

**HEXAGONAL SOCKET WRENCH WITH FIRM SLIDING BAR**



Code	No.	Ø mm	l mm	W mm
2516055	<b>GED0340108S</b>	8	196	140
2516047	<b>GED0340109S</b>	9	209	165
2507595	<b>GED0340110S</b>	10	223	190
2507463	<b>GED0340111S</b>	11	240	260
2507331	<b>GED0340112S</b>	12	256	310
2507226	<b>GED0340113S</b>	13	275	410
2507099	<b>GED0340114S</b>	14	275	410
2506963	<b>GED0340115S</b>	15	292	455
2506858	<b>GED0340116S</b>	16	292	455
2506734	<b>GED0340117S</b>	17	314	555
2506602	<b>GED0340118S</b>	18	314	555
2506483	<b>GED0340119S</b>	19	339	785
2506378	<b>GED0340120S</b>	20	339	785
2506254	<b>GED0340121S</b>	21	376	1050
2506114	<b>GED0340122S</b>	22	376	1050
2505991	<b>GED0340123S</b>	23	393	1240
2505886	<b>GED0340124S</b>	24	393	1240
2505762	<b>GED0340125S</b>	25	431	1700
2505630	<b>GED0340126S</b>	26	431	1700
2505517	<b>GED0340127S</b>	27	431	1700
2505398	<b>GED0340128S</b>	28	464	2100
2505274	<b>GED0340129S</b>	29	464	2100
2505150	<b>GED0340130S</b>	30	464	2100
2505029	<b>GED0340132S</b>	32	506	2750
2504898	<b>GED0340133S</b>	33	506	2750
2504774	<b>GED0340134S</b>	34	506	2750
2504650	<b>GED0340135S</b>	35	550	4000
2504529	<b>GED0340136S</b>	36	550	4000
2504405	<b>GED0340137S</b>	37	550	4000
2504294	<b>GED0340138S</b>	38	550	4000
2504170	<b>GED0340141S</b>	41	600	5400
2504049	<b>GED0340142S</b>	42	600	5400
2503921	<b>GED0340146S</b>	46	655	6000
2503816	<b>GED0340147S</b>	47	655	6000
2503670	<b>GED0340150S</b>	50	345	6300
2503549	<b>GED0340152S</b>	52	345	6300
2503425	<b>GED0340154S</b>	54	365	8000
2503301	<b>GED0340155S</b>	55	365	8000
2503182	<b>GED0340156S</b>	56	365	8000
2503069	<b>GED0340158S</b>	58	390	10500
2502933	<b>GED0340160S</b>	60	390	10500
2502828	<b>GED0340163S</b>	63	390	10500
2502690	<b>GED0340165S</b>	65	410	14000
2502577	<b>GED0340167S</b>	67	410	14000
2502437	<b>GED0340170S</b>	70	410	14000
2502313	<b>GED0340171S</b>	71	410	14000
2502208	<b>GED0340175S</b>	75	430	19000
2502089	<b>GED0340177S</b>	77	430	19000
2501953	<b>GED0340180S</b>	80	430	19000
2501848	<b>GED0340182S</b>	82	430	19000





**GED0341**

NUT DRIVER WITH HANDLE



 mm

Code	No.	Ø mm	l mm	l mm
2496666	<b>GED0341035C</b>	3,5	175	55
2496658	<b>GED0341045C</b>	4,5	180	55
2503735	<b>GED0341050C</b>	5	180	60
2496631	<b>GED0341055C</b>	5,5	185	60
2503727	<b>GED0341060C</b>	6	190	65
2496623	<b>GED0341065C</b>	6,5	190	65
2503719	<b>GED0341070C</b>	7	190	80
2496615	<b>GED0341075C</b>	7,5	200	80
2503700	<b>GED0341080C</b>	8	200	100
2503697	<b>GED0341090C</b>	9	210	100
2499568	<b>GED0341010C</b>	10	210	115
2499541	<b>GED0341011C</b>	11	220	115
2499533	<b>GED0341012C</b>	12	220	130
2499517	<b>GED0341013C</b>	13	230	170
2499509	<b>GED0341014C</b>	14	230	210
2499495	<b>GED0341015S</b>	15	240	210
2499487	<b>GED0341016S</b>	16	240	235
2499479	<b>GED0341017S</b>	17	250	235

**GED0341**

NUT DRIVER WITH HANDLE INCH



 "AF"

Code	No.	Ø "AF"	l mm	l mm
2499460	<b>GED0341091C</b>	1/8	175	55
2496607	<b>GED0341092C</b>	5/32	180	55
2496585	<b>GED0341093C</b>	3/16	185	60
2496577	<b>GED0341094C</b>	7/32	190	65
2499452	<b>GED0341095C</b>	1/4	190	80
2496569	<b>GED0341096C</b>	5/16	210	100
2499444	<b>GED0341097C</b>	3/8	220	115
2496550	<b>GED0341098C</b>	7/16	230	170
2499436	<b>GED0341099C</b>	1/2	230	210
2496542	<b>GED0341100S</b>	9/16	240	235
2499428	<b>GED0341101S</b>	5/8	250	235
2524058	<b>GED0341102S</b>	11/16	250	240

**GED01376**

PRONGED WRENCH WITHOUT TOMMY BAR

▾ Angled open-end spanner for work in confined spaces



Code	No.	Ø mm	l mm	l mm
2500043	<b>GED0137600S</b>	13	160	100
2500035	<b>GED0137601S</b>	14	160	100
2499576	<b>GED0137602S</b>	15	200	170
2500027	<b>GED0137603S</b>	16	200	170
2500019	<b>GED0137604S</b>	17	200	170
2499991	<b>GED0137605S</b>	18	200	190
2499983	<b>GED0137606S</b>	19	200	220
2499975	<b>GED0137607S</b>	20	200	250
2499967	<b>GED0137608S</b>	21	200	260
2499959	<b>GED0137609S</b>	22	200	300
2499940	<b>GED0137610S</b>	23	200	350
2499932	<b>GED0137611S</b>	24	250	400
2499924	<b>GED0137612S</b>	25	250	400
2499916	<b>GED0137613S</b>	26	250	450
2499908	<b>GED0137614S</b>	27	250	450
2499886	<b>GED0137615S</b>	28	250	500
2499878	<b>GED0137616S</b>	29	250	550
2499851	<b>GED0137617S</b>	30	250	600
2499843	<b>GED0137618S</b>	32	250	650
2499835	<b>GED0137619S</b>	36	250	700
2499827	<b>GED0137620S</b>	41	315	1150
2499819	<b>GED0137621S</b>	46	315	1230
2499800	<b>GED0137622S</b>	50	315	1500

**GED01376**

TOMMY BAR FOR CROWFOOT SPANNERS



Code	No.	Ø	l mm	for size mm	l mm
2516292	<b>GED0137623S</b>	8	160	13 - 15	70
2516284	<b>GED0137624S</b>	10	200	16 - 18	130
2516276	<b>GED0137625S</b>	12	200	19 - 22	220
2509059	<b>GED0137626S</b>	14	250	23 - 27	400
2508931	<b>GED0137627S</b>	16	250	28 - 32	600
2508826	<b>GED0137628S</b>	18	315	36 - 41	1000
2508699	<b>GED0137629S</b>	20	315	46 - 50	1600





**GED01376**

CROWFOOT SPANNER, OPEN-END FORM, SQUARE 1/2"

12,5  
1/2"



Code	No.	□"	Ø mm	↳
2519658	GED0137630S	1/2	13	50
2519631	GED0137631S	1/2	14	50
2519623	GED0137632S	1/2	15	80
2519615	GED0137633S	1/2	16	80
2519607	GED0137634S	1/2	17	80
2519593	GED0137635S	1/2	18	110
2519585	GED0137636S	1/2	19	120
2519577	GED0137637S	1/2	20	130
2519569	GED0137638S	1/2	21	150
2519542	GED0137639S	1/2	22	170
2519534	GED0137640S	1/2	23	200
2519526	GED0137641S	1/2	24	200
2519518	GED0137642S	1/2	25	220
2519496	GED0137643S	1/2	26	220
2519488	GED0137644S	1/2	27	250
2519461	GED0137645S	1/2	28	270
2519453	GED0137646S	1/2	29	300
2519445	GED0137647S	1/2	30	320
2519437	GED0137648S	1/2	32	350
2519410	GED0137649S	1/2	36	570
2519402	GED0137650S	1/2	41	620
2519399	GED0137651S	1/2	46	750
2519380	GED0137652S	1/2	50	800

**GED01376**

SPECIAL EXTENDER FOR 1/2" CROWFOOT SPANNER

12,5  
1/2"



Code	No.	□"	□"	↳ mm	↳
2519372	GED0137653S	1/2	1/2	150	200
2519364	GED0137654S	1/2	1/2	250	400

**GED01374**

CONSTRUCTION RATCHET, HEXAGONAL, WITH "RAT-TAIL" HANDLE



Code	No.	Ø mm	↳ mm	↳
2493136	GED0137400S	17	230	620
2493128	GED0137401S	19	240	650
2493101	GED0137402S	21	250	830
2493098	GED0137403S	22	260	830
2493071	GED0137404S	24	270	1020
2493063	GED0137405S	26	280	1050
2493047	GED0137406S	27	285	1100
2493039	GED0137407S	30	300	1320
2493020	GED0137408S	32	315	1425
2493012	GED0137409S	35	325	1630
2493004	GED0137410S	36	330	1670
2492997	GED0137411S	41	330	1950

**GED01374**

FRICITION RATCHET WITH BI-HEXAGON RING



Code	No.	Ø mm	↳ mm	↳
2492989	GED0137416C	9	150	125
2519860	GED0137402C	11	150	125
2519836	GED0137405C	13	155	160
2519763	GED0137409C	14	155	160
2519887	GED0137400C	17	200	260
2519879	GED0137401C	19	200	260
2519852	GED0137403C	22	220	340
2519844	GED0137404C	24	220	340
2519828	GED0137406C	27	245	560
2519801	GED0137407C	30	280	840
2519771	GED0137408C	32	280	840
2519755	GED0137410C	36	290	1180
2519747	GED0137411C	41	295	1230
2519739	GED0137412C	46	360	2060
2519720	GED0137413C	50	360	2230
2519712	GED0137414C	55	440	2900
2519704	GED0137415C	60	440	2900

# SOCKET SETS



**NON  
SPARKING**



# S Accessories



## SOCKET SETS AND ACCESSORIES NON-SPARKING

\* funkenfrei



**SOCKET SETS AND ACCESSORIES**

**1/4" SQUARE DRIVE**



**GED035**

**SOCKET 1/4" HEXAGON**  
 ▽ Hand-operated



6,3  
 1/4"  
 mm

Code	No.	□"	□	⌀mm	↳mm↳	↕↕
2496534	<b>GED0350414C</b>	1/4	6.3	4.0	25	13
2517752	<b>GED0354514C</b>	1/4	6.3	4.5	25	14
2496526	<b>GED0350514C</b>	1/4	6.3	5.0	25	14
2517698	<b>GED0355514C</b>	1/4	6.3	5.5	25	14
2496496	<b>GED0350614C</b>	1/4	6.3	6.0	25	12
2496445	<b>GED0350714C</b>	1/4	6.3	7.0	25	14
2496429	<b>GED0350814C</b>	1/4	6.3	8.0	25	17
2496402	<b>GED0350914C</b>	1/4	6.3	9.0	25	19
2523787	<b>GED0351014C</b>	1/4	6.3	10.0	25	20
2523655	<b>GED0351114C</b>	1/4	6.3	11.0	25	24
2523515	<b>GED0351214C</b>	1/4	6.3	12.0	27	29
2523493	<b>GED0351314C</b>	1/4	6.3	13.0	27	28
2523477	<b>GED0351414C</b>	1/4	6.3	14.0	27	30

**GED0360**

**REVERSIBLE RATCHET 1/4"**



6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2513676	<b>GED0360014C</b>	1/4	6.3	150	165

**GED0360**

**RATCHET HANDLE WITH COUPLER 1/4"**



6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2511932	<b>GED0360141C</b>	1/4	6.3	150	320

**GED0421**

**EXTENSION 1/4"**  
 ▽ For hand-operated sockets

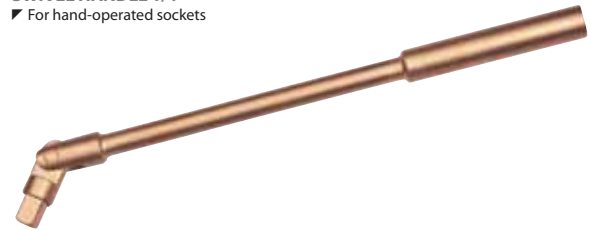


6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2507862	<b>GED0421430C</b>	1/4	6.3	55	20
2506297	<b>GED0421410C</b>	1/4	6.3	100	60
2506289	<b>GED0421420C</b>	1/4	6.3	200	100

**GED0410**

**SWIVEL HANDLE 1/4"**  
 ▽ For hand-operated sockets

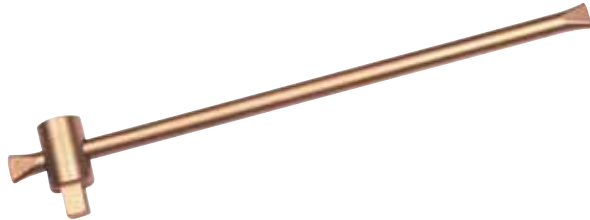


6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2507919	<b>GED0410014C</b>	1/4	6.3	165	160
2507900	<b>GED0410015C</b>	1/4	6.3	215	350

**GED0400**

**SLIDING BAR 1/4"**  
 ▽ For hand-operated sockets



6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2511916	<b>GED0400014C</b>	1/4	6.3	200	160

**GED0400**

**DRIVING HANDLE 1/4"**  
 ▽ For hand-operated sockets



6,3  
 1/4"

Code	No.	□"	□	↳mm↳	↕↕
2511908	<b>GED0400015C</b>	1/4	6.3	140	65

**GED0400**

**CONVERTOR 1/4" TO 1/2"**  
 ▽ For hand-operated sockets



6,3  
 1/4"  
 12,5  
 1/2"

Code	No.	□"	□	□"	□	↳mm↳	↕↕
2522896	<b>GED0400016C</b>	1/4	6.3	1/2	12.5	30	40

### GED0400

#### COUPLER 1/4"

For hand-operated sockets

6,3

1/4"



Code	No.	□"	□	□ mm	↳mm↳	↕
2503298	<b>GED0400017C</b>	1/4	6.3		25	8

### GED0400

#### UNIVERSAL JOINT 1/4"

For hand-operated sockets

6,3

1/4"



Code	No.	□"	□	□ mm	↳mm↳	↕
2514826	<b>GED0400018C</b>	1/4	6.3	1/4	6.3	55 55

### GED0430

#### SOCKET SET 1/4" 16 pieces

In plastic case, 240x180x60 mm

6,3

1/4"



Code	No.	Contents	↕
2503255	<b>GED0430001C</b>	1 Reversible ratchet 1/4" 1 Extension 1/4" 100 mm 1 socket 1/4" each 4 4,5 5 5,5 6 7 8 9 10 11 12 13 14 mm	875

## 1/2" SQUARE DRIVE

### GED035

#### SOCKET 1/2" HEXAGON

Hand-operated

12,5

1/2"

mm

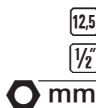


Code	No.	□"	□	□ mm	↳mm↳	↕
2496518	<b>GED0350612S</b>	1/2	12.5	6	40	50
2496488	<b>GED0350712S</b>	1/2	12.5	7	40	55
2496437	<b>GED0350812S</b>	1/2	12.5	8	40	50
2496410	<b>GED0350912S</b>	1/2	12.5	9	40	50
2523795	<b>GED0351012S</b>	1/2	12.5	10	40	50
2523671	<b>GED0351112S</b>	1/2	12.5	11	40	50
2523523	<b>GED0351212S</b>	1/2	12.5	12	40	50
2523507	<b>GED0351312S</b>	1/2	12.5	13	40	50
2523485	<b>GED0351412S</b>	1/2	12.5	14	40	55
2523469	<b>GED0351512S</b>	1/2	12.5	15	40	55
2523442	<b>GED0351612S</b>	1/2	12.5	16	40	60
2523434	<b>GED0351712S</b>	1/2	12.5	17	40	65
2523426	<b>GED0351812S</b>	1/2	12.5	18	40	75
2523396	<b>GED0351912S</b>	1/2	12.5	19	40	85
2523361	<b>GED0352012S</b>	1/2	12.5	20	40	95
2523353	<b>GED0352112S</b>	1/2	12.5	21	40	100
2523337	<b>GED0352212S</b>	1/2	12.5	22	40	110
2523302	<b>GED0352312S</b>	1/2	12.5	23	40	120
2517965	<b>GED0352412S</b>	1/2	12.5	24	40	125
2523280	<b>GED0352512S</b>	1/2	12.5	25	40	130
2523264	<b>GED0352612S</b>	1/2	12.5	26	40	145
2523248	<b>GED0352712S</b>	1/2	12.5	27	40	150
2523213	<b>GED0352812S</b>	1/2	12.5	28	40	175
2523183	<b>GED0352912S</b>	1/2	12.5	29	40	185
2523167	<b>GED0353012S</b>	1/2	12.5	30	40	195
2523140	<b>GED0353212S</b>	1/2	12.5	32	42	240
2523116	<b>GED0353412S</b>	1/2	12.5	34	50	300
2523078	<b>GED0353612S</b>	1/2	12.5	36	50	380
2523019	<b>GED0354112S</b>	1/2	12.5	41	50	450



**GED035**

**SOCKET 1/2" HEXAGON, LONG**  
 ▽ Hand-operated



Code	No.	□"	□	○ mm	(- mm -)	↕
2524007	<b>GED0350001S</b>	1/2	12.5	10	77	110
2523981	<b>GED0350002S</b>	1/2	12.5	12	77	135
2523973	<b>GED0350003S</b>	1/2	12.5	13	77	105
2523965	<b>GED0350004S</b>	1/2	12.5	14	77	110
2523957	<b>GED0350005S</b>	1/2	12.5	15	77	120
2523949	<b>GED0350006S</b>	1/2	12.5	16	77	125
2523922	<b>GED0350007S</b>	1/2	12.5	17	77	140
2523914	<b>GED0350008S</b>	1/2	12.5	18	82	145
2523906	<b>GED0350009S</b>	1/2	12.5	19	82	180
2523892	<b>GED0350010S</b>	1/2	12.5	21	82	205
2523884	<b>GED0350011S</b>	1/2	12.5	22	82	210
2523876	<b>GED0350012S</b>	1/2	12.5	24	82	250
2523868	<b>GED0350013S</b>	1/2	12.5	27	82	285
2523841	<b>GED0350014S</b>	1/2	12.5	30	82	345
2523833	<b>GED0350015S</b>	1/2	12.5	32	82	375
2523825	<b>GED0350016S</b>	1/2	12.5	34	82	415
2523809	<b>GED0350025S</b>	1/2	12.5	36	82	425

**GED035**

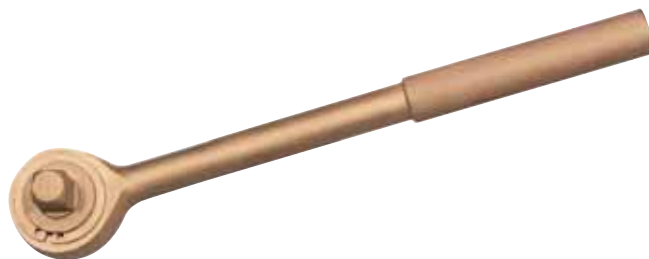
**SOCKET 1/2" HEXAGON INCH**  
 ▽ Hand-operated



Code	No.	□"	□	○"AF	(- mm -)	↕
2518260	<b>GED0350100S</b>	1/2	12.5	1/4	40	50
2516039	<b>GED0350101S</b>	1/2	12.5	5/16	40	50
2501600	<b>GED0350102S</b>	1/2	12.5	11/32	40	50
2518252	<b>GED0350103S</b>	1/2	12.5	3/8	40	50
2501473	<b>GED0350104S</b>	1/2	12.5	13/32	40	50
2516020	<b>GED0350105S</b>	1/2	12.5	7/16	40	50
2518244	<b>GED0350106S</b>	1/2	12.5	1/2	40	50
2516004	<b>GED0350107S</b>	1/2	12.5	9/16	40	55
2501368	<b>GED0350108S</b>	1/2	12.5	19/32	40	55
2518236	<b>GED0350109S</b>	1/2	12.5	5/8	40	60
2501236	<b>GED0350110S</b>	1/2	12.5	11/16	40	65
2518201	<b>GED0350111S</b>	1/2	12.5	3/4	40	85
2501104	<b>GED0350112S</b>	1/2	12.5	25/32	40	95
2500973	<b>GED0350113S</b>	1/2	12.5	13/16	40	95
2518198	<b>GED0350114S</b>	1/2	12.5	7/8	40	110
2500868	<b>GED0350115S</b>	1/2	12.5	15/16	40	120
2515997	<b>GED0350116S</b>	1/2	12.5	1	40	130
2520273	<b>GED0350117S</b>	1/2	12.5	1.1/16	40	150
2500744	<b>GED0350118S</b>	1/2	12.5	1.1/8	40	175
2520168	<b>GED0350119S</b>	1/2	12.5	1.3/16	40	195
2500612	<b>GED0350120S</b>	1/2	12.5	1.1/4	42	240

**GED0360**

**REVERSIBLE RATCHET 1/2"**  
 ▽ For hand-operated sockets



Code	No.	□"	□	(- mm -)	↕
2513684	<b>GED0360012C</b>	1/2	12.5	250	590

**GED0360**

**RATCHET HANDLE WITH COUPLER 1/2"**  
 ▽ For hand-operated sockets



Code	No.	□"	□	(- mm -)	↕
2511940	<b>GED0360121C</b>	1/2	12.5	250	430

**GED042**

**EXTENSION 1/2"**  
 ▽ For hand-operated sockets



Code	No.	□"	□	(- mm -)	↕
2506335	<b>GED0420002S</b>	1/2	12.5	100	180
2506270	<b>GED0421434S</b>	1/2	12.5	200	315
2506319	<b>GED0420121S</b>	1/2	12.5	250	360

**GED0410**


**SWIVEL HANDLE 1/2"**  
 ▽ For hand-operated sockets



Code	No.	□"	□	(- mm -)	↕
2507935	<b>GED0410012S</b>	1/2	12.5	215	350
2507927	<b>GED0410013S</b>	1/2	12.5	250	560
2507897	<b>GED0410016S</b>	1/2	12.5	300	920
2507870	<b>GED0410101S</b>	1/2	12.5	380	590

**GED0400**  
**SLIDING BAR 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"



Code	No.	1/2"	12,5	mm	mm
2511886	<b>GED0400114S</b>	1/2	12,5	250	450
2511924	<b>GED0400012S</b>	1/2	12,5	320	550

**GED0400**  
**L-HANDLE 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"




Code	No.	1/2"	12,5	mm	mm
2508044	<b>GED0400120S</b>	1/2	12,5	220	260
2508036	<b>GED0400121S</b>	1/2	12,5	260	400



**GED0400**  
**CONVERTOR 1/2" TO 3/4"**  
 ▽ For hand-operated sockets


12,5  
1/2"  
20  
3/4"



Code	No.	1/2"	12,5	3/4"	20,0	mm	mm
2522888	<b>GED0400116S</b>	1/2	12,5	3/4	20,0	22	120

**GED0400**  
**SPEED BRACE 1/2"**  
 ▽ For hand-operated sockets


12,5  
1/2"



Code	No.	1/2"	12,5	mm	mm
2514176	<b>GED0400122S</b>	1/2	12,5	410	615

**GED0400**  
**REDUCER 1/2" TO 1/4"**  
 ▽ For hand-operated sockets


12,5  
1/2"  
6,3  
1/4"



Code	No.	1/2"	12,5	1/4"	6,3	mm	mm
2503271	<b>GED0400119S</b>	1/2	12,5	1/4	6,3	40	60

**GED0400**  
**COUPLER 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"



Code	No.	1/2"	12,5	mm	mm
2506408	<b>GED0400117S</b>	1/2	12,5	36,5	46

**GED0400**  
**UNIVERSAL JOINT 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"



Code	No.	1/2"	12,5	mm	mm
2514788	<b>GED0400118S</b>	1/2	12,5	70	135

**GED0370**  
**T-HANDLE 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"



Code	No.	1/2"	12,5	mm	mm
2499231	<b>GED0370012S</b>	1/2	12,5	245	500

**GED0400**

**SWIVEL HANDLE WITH SLIDING T 1/2"**  
 ▽ For hand-operated sockets

12,5  
1/2"



Code	No.	□"	□	mm	mm	mm
2522861	<b>GED04001235</b>	1/2	12.5	460	755	

**GED0430**

**SOCKET SET 1/2"**  
 ▽ In plastic case

12,5  
1/2"



Code	No.	Contents	pieces	mm
2503204	<b>GED0430005S</b>	1 Reversible ratchet 1/2" 1 Extension 1/2", 100 mm 1 socket 1/2" each 10 11 13 14 15 17 19 22 24 mm	12	5300
2503212	<b>GED0430004S</b>	1 Reversible ratchet 1/2" 1 socket 1/2" each 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 mm	24	4100
2503247	<b>GED0430001S</b>	1 Reversible ratchet 1/2" 1 Extension 1/2", 250 mm 1 socket 1/2" each 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 mm	25	2000
2503239	<b>GED0430002S</b>	1 Reversible ratchet 1/2" 1 Extension 1/2", 150 mm 1 Sliding T bar 1/2", 320 mm 1 Swivel handle 1/2", 380 mm 1 socket 1/2" each 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 mm	27	4100

**GED0440**

**SCREWDRIVER BIT SOCKET 1/2" for slotted head screws**  
 ▽ Hand-operated

12,5  
1/2"



Code	No.	□"	□	mm	mm	mm
2499215	<b>GED0440000S</b>	1/2	12.5	4	60	140
2499207	<b>GED0440001S</b>	1/2	12.5	6	60	140
2499193	<b>GED0440002S</b>	1/2	12.5	8	60	140
2496062	<b>GED0440003S</b>	1/2	12.5	10	60	140

**GED0440**

**SCREWDRIVER BIT SOCKET 1/2" for cross-slotted head screws PH**  
 ▽ Hand-operated

12,5  
1/2"

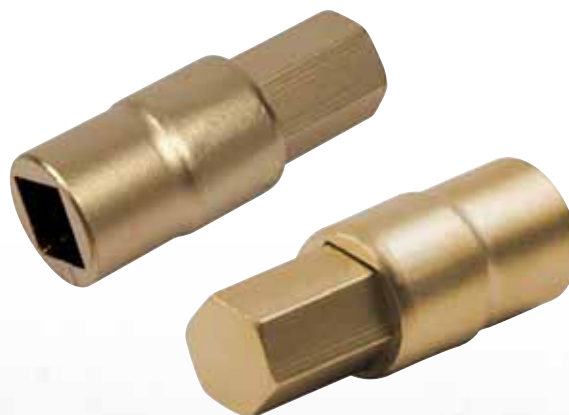


Code	No.	□"	□	PH	mm	mm
2522810	<b>GED0440004S</b>	1/2	12.5	1	60	140
2522802	<b>GED0440005S</b>	1/2	12.5	2	60	140
2522799	<b>GED0440006S</b>	1/2	12.5	3	60	140
2522780	<b>GED0440007S</b>	1/2	12.5	4	60	140

**GED0440**

**SCREWDRIVER BIT SOCKET 1/2" for in-hex screws**  
 ▽ Hand-operated  
 ▽ With welded-in hexagon pin

12,5  
1/2"



Code	No.	□"	□	mm	mm	mm
2499185	<b>GED0440008S</b>	1/2	12.5	4	60	65
2499177	<b>GED0440009S</b>	1/2	12.5	5	60	70
2499150	<b>GED0440010S</b>	1/2	12.5	6	60	70
2499142	<b>GED0440011S</b>	1/2	12.5	7	60	75
2499134	<b>GED0440012S</b>	1/2	12.5	8	60	80
2499126	<b>GED0440013S</b>	1/2	12.5	9	60	85
2496054	<b>GED0440014S</b>	1/2	12.5	10	60	95
2496046	<b>GED0440015S</b>	1/2	12.5	12	60	115
2496038	<b>GED0440016S</b>	1/2	12.5	14	60	145
2496011	<b>GED0440017S</b>	1/2	12.5	17	60	205
2496003	<b>GED0440018S</b>	1/2	12.5	19	60	230



### GED0440

#### SCREWDRIVER BIT SOCKET 1/2", LONG for in-hex screws

- Hand-operated
- With welded-in hexagon pin

12,5
1/2"


Code	No.	□"	□	● mm	(+ mm-)	↕
2522772	<b>GED0440028S</b>	1/2	12.5	5	90	90
2517574	<b>GED0440029S</b>	1/2	12.5	5	180	125
2522764	<b>GED0440030S</b>	1/2	12.5	6	90	80
2517566	<b>GED0440031S</b>	1/2	12.5	6	140	120
2517558	<b>GED0440032S</b>	1/2	12.5	6	160	135
2517531	<b>GED0440033S</b>	1/2	12.5	7	100	90
2522756	<b>GED0440034S</b>	1/2	12.5	8	90	90
2517523	<b>GED0440035S</b>	1/2	12.5	8	120	105
2517515	<b>GED0440036S</b>	1/2	12.5	10	140	150
2517507	<b>GED0440037S</b>	1/2	12.5	12	140	190
2517493	<b>GED0440038S</b>	1/2	12.5	14	140	250

### GED0440

#### SCREWDRIVER BIT SOCKET SET 1/2"

- Hand-operated
- With welded-in hexagon pin
- In wooden case with non-sparking hinge

12,5
1/2"


Code	No.	Contents	pieces	↕
2498189	<b>GED0440039S</b>	1 socket 1/2" each 5 6 7 8 9 10 12 14 17 mm	10	1240
2498057	<b>GED0440040S</b>	1 Reversible ratchet 1/2" 1 Extension 1/2", 250 mm 1 socket 1/2" each 5 6 7 8 9 10 12 14 17 mm	12	2990
2497948	<b>GED0440041S</b>	1 socket 1/2" each 5 6 7 8 9 10 12 14 17 mm 1 socket 1/2" each 5-90 6-90 8-90 10-140 12-140 14-140 mm	16	2790

### 3/4" SQUARE DRIVE

### GED035

#### SOCKET 3/4" HEXAGON

- Hand-operated

20
3/4"
mm


Code	No.	□"	□	○ mm	(+ mm-)	↕
2523418	<b>GED0351834S</b>	3/4	20	18	60	180
2523388	<b>GED0351934S</b>	3/4	20	19	60	180
2523345	<b>GED0352134S</b>	3/4	20	21	60	180
2523310	<b>GED0352234S</b>	3/4	20	22	60	180
2523299	<b>GED0352434S</b>	3/4	20	24	55	350
2523272	<b>GED0352534S</b>	3/4	20	25	55	350
2523256	<b>GED0352634S</b>	3/4	20	26	50	330
2523221	<b>GED0352734S</b>	3/4	20	27	50	300
2523191	<b>GED0352834S</b>	3/4	20	28	50	300
2523175	<b>GED0352934S</b>	3/4	20	29	50	300
2523159	<b>GED0353034S</b>	3/4	20	30	50	310
2523132	<b>GED0353234S</b>	3/4	20	32	60	375
2523124	<b>GED0353334S</b>	3/4	20	33	60	450
2523108	<b>GED0353434S</b>	3/4	20	34	60	465
2523086	<b>GED0353534S</b>	3/4	20	35	55	400
2523051	<b>GED0353634S</b>	3/4	20	36	60	430
2523043	<b>GED0353834S</b>	3/4	20	38	60	490
2523000	<b>GED0354134S</b>	3/4	20	41	65	560
2522993	<b>GED0354234S</b>	3/4	20	42	65	600
2522985	<b>GED0354634S</b>	3/4	20	46	65	655
2522950	<b>GED0355034S</b>	3/4	20	50	70	785
2522942	<b>GED0355534S</b>	3/4	20	55	70	900
2522934	<b>GED0355834S</b>	3/4	20	58	60	950
2522926	<b>GED0356034S</b>	3/4	20	60	70	1290

### GED035

#### SOCKET 3/4" HEXAGON INCH

- Hand-operated

20
3/4"
"AF


Code	No.	□"	□	○ AF	(+ mm-)	↕
2517663	<b>GED0356035S</b>	3/4	20	7/8	60	180
2499894	<b>GED0356036S</b>	3/4	20	15/16	55	350
2515865	<b>GED0356037S</b>	3/4	20	1	55	350
2520044	<b>GED0356038S</b>	3/4	20	1.1/16	50	300
2499770	<b>GED0356039S</b>	3/4	20	1.1/8	50	300
2499649	<b>GED0356040S</b>	3/4	20	1.1/4	60	375
2519917	<b>GED0356041S</b>	3/4	20	1.5/16	60	400
2499525	<b>GED0356042S</b>	3/4	20	1.3/8	55	400
2519798	<b>GED0356043S</b>	3/4	20	1.7/16	60	430
2501724	<b>GED0356044S</b>	3/4	20	1.1/2	60	490
2519674	<b>GED0356045S</b>	3/4	20	1.9/16	60	490
2499401	<b>GED0356046S</b>	3/4	20	1.5/8	65	560
2513579	<b>GED0356047S</b>	3/4	20	1.11/16	65	560
2499282	<b>GED0356048S</b>	3/4	20	1.3/4	65	600
2512343	<b>GED0356049S</b>	3/4	20	1.13/16	65	655
2499169	<b>GED0356050S</b>	3/4	20	1.7/8	65	655
2515857	<b>GED0356051S</b>	3/4	20	2	70	700



**GED0360**  
**REVERSIBLE RATCHET 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2499266	<b>GED0360034C</b>	3/4	20	300	1900

**GED0400**  
**SLIDING T BAR 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2511851	<b>GED0400130S</b>	3/4	20	260	600
2511894	<b>GED0400034S</b>	3/4	20	500	1480

**GED0360**  
**RATCHET HANDLE WITH COUPLER 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2522918	<b>GED0360134C</b>	3/4	20	500	1800

**GED0400**  
**CONVERTOR 3/4" TO 1"**  
 ▽ For hand-operated sockets

20  
3/4  
25  
1"

Code	No.	□"	□	■"	■	(-mm-)	↕
2522853	<b>GED0400131S</b>	3/4	20	1	25.0	61	325

**GED04**  
**EXTENSION 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2506394	<b>GED0400124S</b>	3/4	20	100	350
2506327	<b>GED0420003S</b>	3/4	20	250	700
2506300	<b>GED0420134S</b>	3/4	20	380	1670
2506386	<b>GED0400126S</b>	3/4	20	430	1500

**GED0400**  
**REDUCER 3/4" TO 1/2"**  
 ▽ For hand-operated sockets

20  
3/4  
12.5  
1/2

Code	No.	□"	□	■"	■	(-mm-)	↕
2503263	<b>GED0400135S</b>	3/4	20	1/2	12.5	57	165

**GED0400**  
**COUPLER 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2506351	<b>GED0400132S</b>	3/4	20	51.5	135

**GED0410**  
**SWIVEL HANDLE 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2507889	<b>GED0410034S</b>	3/4	20	380	755
2508028	<b>GED0400128S</b>	3/4	20	460	1300
2508001	<b>GED0400129S</b>	3/4	20	550	1950

**GED0400**  
**UNIVERSAL JOINT 3/4"**  
 ▽ For hand-operated sockets

20  
3/4

Code	No.	□"	■	(-mm-)	↕
2507994	<b>GED0400133S</b>	3/4	20	85	550
2506343	<b>GED0400134S</b>	3/4	20	106	570

### GED0400

#### L-HANDLE 3/4"

For hand-operated sockets

20  
3/4"



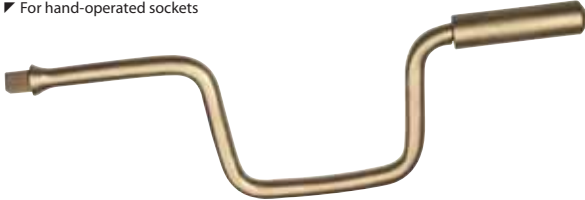
Code	No.	□"	■"	(+mm+)	↔
2507986	<b>GED04001365</b>	3/4	20	300	800

### GED0400

#### SPEED BRACE 3/4"

For hand-operated sockets

20  
3/4"



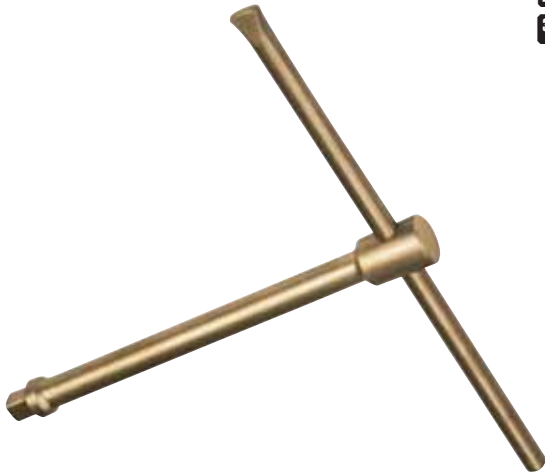
Code	No.	□"	■"	(+mm+)	↔
2514168	<b>GED04001375</b>	3/4	20	380	1250

### GED0370

#### T-HANDLE 3/4"

For hand-operated sockets

20  
3/4"



Code	No.	□"	■"	(+mm+)	↔
2499223	<b>GED03700345</b>	3/4	20	260	850

### GED0400

#### SWIVEL HANDLE WITH SLIDING T 3/4"

For hand-operated sockets

20  
3/4"



Code	No.	□"	■"	(+mm+)	↔
2522845	<b>GED04001385</b>	3/4	20	560	1200

### GED0430

#### SOCKET SET 3/4" 12 pieces

In wooden case with non-sparking hinge

20  
3/4"



Code	No.	Contents	↔
2503220	<b>GED04300035</b>	1 Reversible ratchet 3/4" 1 Extension 3/4" 380 mm 1 Sliding T bar 3/4" 500 mm 1 Swivel handle 3/4" 380 mm 1 socket 3/4" each 36 38 41 46 50 55 60 mm	12700

### GED0440

#### SCREWDRIVER BIT SOCKET 3/4" for in-hex screws

Hand-operated  
With welded-in hexagon pin

20  
3/4"



Code	No.	□"	□	●mm	(+mm+)	↔
2517485	<b>GED04400435</b>	3/4	20	14	80	350
2517469	<b>GED04400455</b>	3/4	20	17	80	390
2517450	<b>GED04400465</b>	3/4	20	19	80	435
2517442	<b>GED04400475</b>	3/4	20	22	80	480
2517434	<b>GED04401045</b>	3/4	20	24	80	520
2517426	<b>GED04401055</b>	3/4	20	27	80	550
2517418	<b>GED04401075</b>	3/4	20	30	80	570
2517396	<b>GED04401085</b>	3/4	20	32	80	590
2517388	<b>GED04401095</b>	3/4	20	36	80	620
2517361	<b>GED04401105</b>	3/4	20	41	90	720
2517353	<b>GED04401115</b>	3/4	20	46	90	820



**1" SQUARE DRIVE**

**GED035**

**SOCKET 1" HEXAGON**

▼ Hand-operated



**25**  
**1"**  
**mm**

Code	No.	□"	□	Ø mm	↳ mm	↳
2517949	<b>GED0353201S</b>	1	25	32	60	510
2517930	<b>GED0353601S</b>	1	25	36	65	550
2517779	<b>GED0354101S</b>	1	25	41	70	730
2517760	<b>GED0354201S</b>	1	25	42	65	710
2517744	<b>GED0354601S</b>	1	25	46	65	710
2517736	<b>GED0355001S</b>	1	25	50	70	930
2517701	<b>GED0355501S</b>	1	25	55	75	1130
2517671	<b>GED0356001S</b>	1	25	60	75	1350
2517655	<b>GED0356501S</b>	1	25	65	75	1500
2517647	<b>GED0357001S</b>	1	25	70	85	1750
2517639	<b>GED0357501S</b>	1	25	75	85	2300
2517620	<b>GED0358001S</b>	1	25	80	85	2500
2517612	<b>GED0358501S</b>	1	25	85	90	2800
2517604	<b>GED0359001S</b>	1	25	90	85	4400
2517582	<b>GED0359501S</b>	1	25	95	85	4500
2496089	<b>GED0354001S</b>	1	25	100	85	4600

**GED035**

**SOCKET 1" HEXAGON INCH**

▼ Hand-operated



**25**  
**1"**  
**"AF**

Code	No.	□"	□	Ø "AF	↳ mm	↳
2515946	<b>GED0354002S</b>	1	25	1.7/16	65	550
2517922	<b>GED0354003S</b>	1	25	1.1/2	65	680
2517914	<b>GED0354004S</b>	1	25	1.5/8	70	730
2500361	<b>GED0354005S</b>	1	25	1.11/16	65	710
2500256	<b>GED0354006S</b>	1	25	1.13/16	65	710
2517906	<b>GED0354007S</b>	1	25	1.7/8	65	730
2523035	<b>GED0354008S</b>	1	25	2	70	930
2515938	<b>GED0354009S</b>	1	25	2.1/16	70	950
2515911	<b>GED0354010S</b>	1	25	2.3/16	75	1130
2517884	<b>GED0354012S</b>	1	25	2.3/8	75	1130
2517892	<b>GED0354011S</b>	1	25	2.1/4	75	1350
2515903	<b>GED0354013S</b>	1	25	2.7/16	75	1400
2515873	<b>GED0354014S</b>	1	25	2.9/16	75	1500
2517876	<b>GED0354015S</b>	1	25	2.5/8	75	1550
2517868	<b>GED0354016S</b>	1	25	2.3/4	85	1750
2500132	<b>GED0354017S</b>	1	25	2.13/16	85	1750
2500000	<b>GED0354018S</b>	1	25	2.15/16	85	2300
2523027	<b>GED0354025S</b>	1	25	3	85	2350
2517841	<b>GED0354019S</b>	1	25	3.1/8	85	2500
2517825	<b>GED0354020S</b>	1	25	3.3/8	90	2800
2517817	<b>GED0354021S</b>	1	25	3.1/2	90	4400
2517809	<b>GED0354022S</b>	1	25	3.3/4	90	4500
2517795	<b>GED0354023S</b>	1	25	3.7/8	90	4600
2517787	<b>GED0354024S</b>	1	25	4.1/4	90	5000

**GED0360**

**REVERSIBLE RATCHET 1"**

▼ For hand-operated sockets



**25**  
**1"**

Code	No.	□"	□	↳ mm	↳
2506416	<b>GED0360100C</b>	1	25	550	340

**GED0360**

**RATCHET HANDLE WITH COUPLER 1"**

▼ For hand-operated sockets



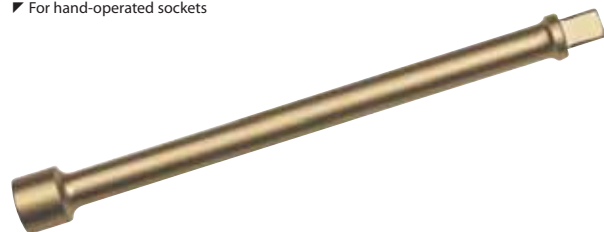
**25**  
**1"**

Code	No.	□"	□	↳ mm	↳
2499258	<b>GED0361100C</b>	1	25	550	3500

**GED042**

**EXTENSION 1"**

▼ For hand-operated sockets



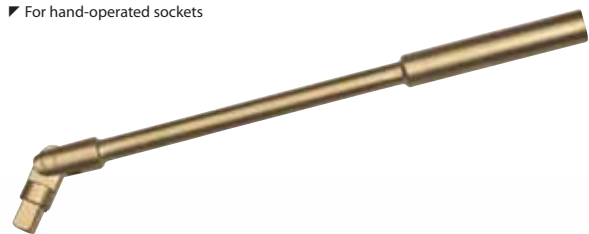
**25**  
**1"**

Code	No.	□"	□	↳ mm	↳
2510227	<b>GED0421510S</b>	1	25	100	800
2510219	<b>GED0421520S</b>	1	25	250	1400
2510200	<b>GED0421522S</b>	1	25	400	2090

**GED0410**

**SWIVEL HANDLE 1"**

▼ For hand-operated sockets



**25**  
**1"**

Code	No.	□"	□	↳ mm	↳
2511835	<b>GED0410100S</b>	1	25	380	1200

**GED0400**

**SLIDING T BAR 1"**


▼ For hand-operated sockets



**25**  
**1"**

Code	No.	□"	□	↳ mm	↳
2513668	<b>GED0400139S</b>	1	25	700	3985


**GED0400**  
**REDUCER 1" TO 3/4"**  
 ▽ For hand-operated sockets



25  
1"  
20  
3/4"

Code	No.	□"	□	■"	■	↳mm↳	↕
2507943	<b>GED04001425</b>	1	25	3/4	25.0	75	540


**GED0400**  
**COUPLER 1"**  
 ▽ For hand-operated sockets



25  
1"

Code	No.	■"	■	↳mm↳	↕
2507978	<b>GED04001405</b>	1	25	68.0	325


**GED0400**  
**UNIVERSAL JOINT 1"**  
 ▽ For hand-operated sockets



25  
1"

Code	No.	■"	■	↳mm↳	↕
2515172	<b>GED04001415</b>	1	25	141	1450


**GED0400**  
**L-HANDLE 1"**  
 ▽ For hand-operated sockets



25  
1"

Code	No.	■"	■	↳mm↳	↕
2511843	<b>GED04001435</b>	1	25	300	1000


**GED0400**  
**SPEED BRACE 1"**  
 ▽ For hand-operated sockets



25  
1"

Code	No.	■"	■	↳mm↳	↕
2515083	<b>GED04001445</b>	1	25	380	1400

**GED0400**  
**SWIVEL HANDLE WITH SLIDING T 1"**



25  
1"

Code	No.	■"	■	↳mm↳	↕
2496070	<b>GED04001455</b>	1	25	660	1700



**GED0440**  
**SCREWDRIIVER BIT SOCKET 1" for in-hex screws**  
 ▽ Hand-operated  
 ▽ With welded-in hexagon pin



25  
1"

Code	No.	□"	□	●mm	↳mm↳	↕
2495996	<b>GED04400485</b>	1	25	17	90	580
2495961	<b>GED04400495</b>	1	25	19	90	665
2495953	<b>GED04400505</b>	1	25	22	90	710
2495945	<b>GED04400515</b>	1	25	24	90	765
2495937	<b>GED04400525</b>	1	25	27	90	860
2495929	<b>GED04401005</b>	1	25	30	90	910
2495910	<b>GED04401015</b>	1	25	32	90	950
2495902	<b>GED04401025</b>	1	25	36	90	990
2495899	<b>GED04401035</b>	1	25	41	100	1200
2495880	<b>GED04401125</b>	1	25	46	100	1400

**GED0430**  
**SOCKET SET 1"**  
 ▽ In wooden case with non-sparking hinge



25  
1"

Code	No.	Contents	pieces	↕
2522829	<b>GED04300065</b>	1 Reversible ratchet 1" 1 Extension 1" 250 mm 1 Extension 1" 400 mm 1 socket 1" each 36 41 46 50 55 60 65 70 75 80 mm 1.1/2 1.5/8 1.7/8 2 2.1/16 2.1/4 2.3/8 2.9/16 2.3/4 3AF	24	33100
2503190	<b>GED04300075</b>	1 Reversible ratchet 1" 1 Extension 1" 200 mm 1 Extension 1" 400 mm 1 socket 1" each 36 41 46 50 55 60 65 70 75 80 mm	14	21100

# SCREWDR





# SCREWDRIVERS NON-SPARKING



\* funkenfrei

**SCREWDRIVERS NON-SPARKING**

**GED080**

SCREWDRIVER for slotted head screws



Code	No.	mm; L	mm	mm
2522616	<b>GED0803075C</b>	3.0	75	30
2497441	<b>GED0804510C</b>	4.5	100	55
2497336	<b>GED0804515C</b>	4.5	150	60
2517213	<b>GED0806010C</b>	6.0	100	80
2517205	<b>GED0806015C</b>	6.0	150	85
2517140	<b>GED0808015C</b>	8.0	150	145
2515733	<b>GED0801020C</b>	10.0	200	185
2515725	<b>GED0801030C</b>	10.0	300	230

**GED080**

SCREWDRIVER for slotted head screws, parallel blade  
 With parallel blade



Code	No.	mm; L	mm	mm
2517248	<b>GED0800380C</b>	3.0	75	25
2515784	<b>GED0800480C</b>	4.0	150	55
2515768	<b>GED0800580C</b>	5.0	150	75
2515741	<b>GED0800680C</b>	6.0	200	110
2522624	<b>GED0800780C</b>	6.5	300	150

**GED081**

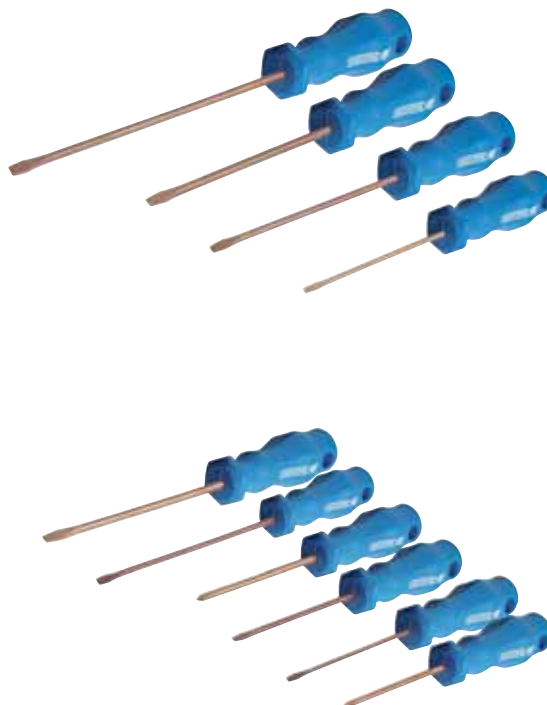
SCREWDRIVER for cross-slotted head screws PH



Code	No.	PH	mm	mm
2512564	<b>GED0810000C</b>	0	60	35
2512556	<b>GED0810010C</b>	1	80	60
2512548	<b>GED0810020C</b>	2	100	90
2512521	<b>GED0810030C</b>	3	150	165
2512513	<b>GED0810040C</b>	4	200	270

**GED080**

SCREWDRIVER SETS



Code	No.	Contents	pieces	mm
2499088	<b>GED0800001C</b>	⊖ 3x75 mm ⊖ 4,5x100 mm ⊖ 6x150 mm ⊖ 8x150 mm	4	315
2499061	<b>GED0800002C</b>	⊖ 4,5x100 mm ⊖ 6x100 mm 6x150 mm ⊖ 8x150 mm ⊕ PH1 PH2	6	515
2495872	<b>GED0800003C</b>	⊖ 4,5x100 mm 4,5x150 mm ⊖ 6x100 mm 6x150 mm ⊖ 8x150 mm ⊖ 10x200 mm ⊕ PH1 PH2 PH3 PH4	10	1200
2499053	<b>GED0800004C</b>	⊕ PH1 PH2 PH3 PH4	4	585

**GED080**

SCREWDRIVER for recessed TORX® screws

TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	T	mm	mm
2507757	<b>GED0807005C</b>	T5	70	30
2507749	<b>GED0807006C</b>	T6	70	32
2507730	<b>GED0807007C</b>	T7	70	32
2507722	<b>GED0807008C</b>	T8	70	32
2507706	<b>GED0807009C</b>	T9	70	32
2506165	<b>GED0807010C</b>	T10	80	41
2506157	<b>GED0807015C</b>	T15	80	45
2506149	<b>GED0807020C</b>	T20	90	48
2506130	<b>GED0807025C</b>	T25	90	52
2506122	<b>GED0807027C</b>	T27	110	78
2506106	<b>GED0807030C</b>	T30	110	84
2506092	<b>GED0807040C</b>	T40	120	115
2506084	<b>GED0807045C</b>	T45	120	136
2506076	<b>GED0807050C</b>	T50	120	150



**GED025**

HEXAGON ALLEN KEY WITH HANDLE straight, for in-hex screws



Code	No.	mm	mm	
2497409	GED0251043S	3	100	35
2497395	GED0251044S	4	100	50
2497387	GED0251045S	5	100	60
2497379	GED0251046S	6	125	90
2497360	GED0251047S	8	150	140
2497352	GED0251048S	10	150	210
2496682	GED0252056S	12	150	280

**GED025**

HEXAGON ALLEN KEY WITH HANDLE angled, for in-hex screws



Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	
2492415	GED0251038S	3	75	20	25
2492407	GED0251039S	4	75	25	40
2492393	GED0251040S	5	80	28	50
2492385	GED0251041S	6	80	32	75
2492377	GED0251042S	8	120	36	140
2492334	GED0251499S	10	120	40	220
2492520	GED0250500S	12	120	45	290

**GED080**

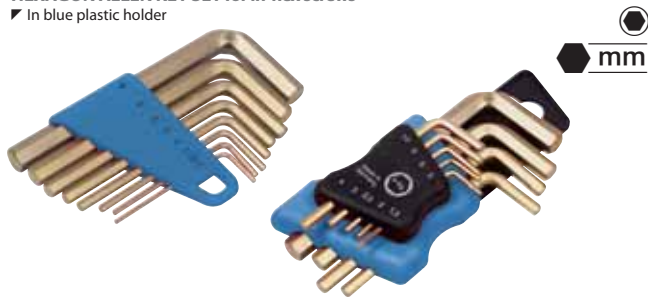
HEXAGON ALLEN KEY WITH HANDLE straight, for in-hex screws, with ball end



Code	No.	mm	mm	
2515717	GED0807055C	3	100	35
2515709	GED0807060C	4	100	50
2515695	GED0807065C	5	100	60
2515687	GED0807070C	6	125	90
2515679	GED0807075C	8	150	140
2497204	GED0807080C	10	150	210
2497085	GED0807085C	12	150	280

**GED025**

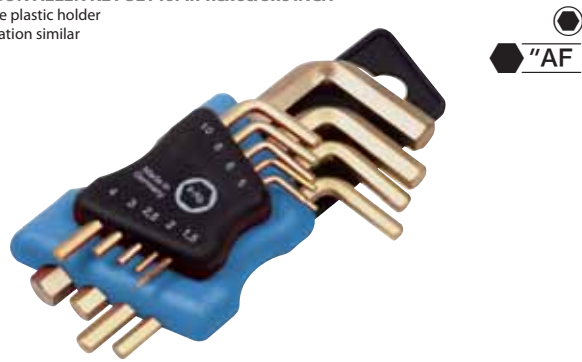
HEXAGON ALLEN KEY SET for in-hex screws  
 ▽ In blue plastic holder



Code	No.	Contents	pieces	
2492660	GED0250001S	● 2 2,5 3 4 5 6 8 10 mm	8	245
2519313	GED0250003S	● 1,5 2 2,5 3 4 5 6 8 10 mm	9	205

**GED025**

HEXAGON ALLEN KEY SET for in-hex screws INCH  
 ▽ In blue plastic holder  
 ▽ Illustration similar



Code	No.	Contents	pieces	
2519348	GED0250002S	● 1/16 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8"	10	178

**GED025**

HEXAGON ALLEN KEY SET for in-hex screws, extra long  
 ▽ In blue plastic holder



Code	No.	Contents	pieces	
2492652	GED0250005S	● 2 2,5 3 4 5 6 8 10 mm	8	400
2519275	GED0250004S	● 1,5 2 2,5 3 4 5 6 8 10 mm	9	464

**GED025**

HEXAGON ALLEN KEY SET for in-hex screws, with ball end  
 ▽ In blue plastic holder



Code	No.	Contents	pieces	
2519224	GED0250066C	● 2 2,5 3 4 5 6 8 10 mm	8	250
2504057	GED0250067C	● 1,5 2 2,5 3 4 5 6 8 10 mm	9	260



**GED025**

HEXAGON ALLEN KEY for in-hex screws

Similar to DIN ISO 2936



Code	No.	● mm	↳ mm	↕
2504073	GED0250015C	1.5	55	3
2508532	GED0250020C	2.0	55	2
2504065	GED0250025C	2.5	55	4
2508524	GED0250030S	3.0	60	7
2508516	GED0250040S	4.0	70	12
2508508	GED0250050S	5.0	80	20
2508494	GED0250060S	6.0	90	33
2508486	GED0250070S	7.0	95	45
2508478	GED0250080S	8.0	100	65
2508451	GED0250090S	9.0	105	85
2506904	GED0250100S	10.0	120	100
2506890	GED0250110S	11.0	119	130
2506882	GED0250120S	12.0	125	165
2506874	GED0250130S	13.0	132	200
2506866	GED0250140S	14.0	140	250
2506831	GED0250170S	17.0	160	405
2506823	GED0250180S	18.0	170	500
2506815	GED0250190S	19.0	180	570
2506807	GED0250220S	22.0	200	950
2506793	GED0250240S	24.0	224	1250
2506785	GED0250270S	27.0	250	1800
2506777	GED0250300S	30.0	280	2500
2506769	GED0250320S	32.0	315	3100
2506750	GED0250360S	36.0	355	4500
2506742	GED0250410S	41.0	400	5300

**GED025**

HEXAGON ALLEN KEY for in-hex screws INCH



Code	No.	● AF	↳ mm	↕
2504030	GED0251001C	3/64	55	1
2504022	GED0251002C	1/16	55	2
2504014	GED0251003C	5/64	55	2
2504006	GED0251004C	3/32	55	4
2506726	GED0251005C	1/8	60	7
2503999	GED0251006C	5/32	70	12
2503980	GED0251007S	3/16	80	20
2503972	GED0251008S	7/32	80	20
2506718	GED0251009S	1/4	90	33
2503964	GED0251010S	5/16	100	65
2506696	GED0251011S	3/8	120	100
2503956	GED0251012S	7/16	119	130
2506688	GED0251013S	1/2	125	165
2503948	GED0251014S	9/16	140	250

Code	No.	● AF	↳ mm	↕
2506661	GED0251015S	5/8	140	266
2499789	GED0251016S	11/16	160	405
2506653	GED0251017S	3/4	180	570
2506645	GED0251018S	7/8	200	950
2510812	GED0251019S	1	224	1260
2497433	GED0251020S	1.1/16	216	3080
2499762	GED0251021S	1.1/8	230	3300
2499754	GED0251022S	1.1/4	230	3300
2497425	GED0251023S	1.5/16	235	3520
2499746	GED0251024S	1.3/8	235	3520
2497417	GED0251025S	1.7/16	241	3740
2499738	GED0251026S	1.1/2	241	3740
2499711	GED0251027S	1.5/8	241	3740

**GED025**

HEXAGON ALLEN KEY for in-hex screws, extra long



Code	No.	● mm	↳ mm	↕
2492512	GED0251030S	3	126	6
2492504	GED0251031S	4	142	12
2492490	GED0251032S	5	160	18
2492482	GED0251033S	6	180	30
2492474	GED0251034S	8	200	70
2492466	GED0251035S	10	224	120
2492458	GED0251036S	12	250	190
2492423	GED0251037S	14	280	300
2492350	GED0251123S	17	320	380
2492342	GED0251124S	19	360	490

**GED025**

HEXAGON ALLEN KEY for in-hex screws, with ball end



Code	No.	● mm	↳ mm	↕
2507846	GED0251500C	1.5	45	4
2519216	GED0252000C	2.0	50	3
2507714	GED0252500C	2.5	55	5
2519321	GED0250003C	3.0	63	7
2519283	GED0250004C	4.0	70	12
2519267	GED0250005C	5.0	80	20
2519259	GED0250006C	6.0	90	32
2519240	GED0250007C	7.0	95	42
2519232	GED0250008C	8.0	100	60
2516241	GED0250010C	10.0	115	106
2516233	GED0250012C	12.0	130	205
2516225	GED0250014C	14.0	140	255

**GED025**

HEXAGON ALLEN KEY for in-hex screws, with ball end, extra long



Code	No.	mm	mm	
2492547	GED0250115C	3	126	8
2492644	GED0250016C	4	140	18
2492636	GED0250017C	5	160	31
2492628	GED0250018C	6	180	51
2492601	GED0250019C	7	190	75
2492539	GED0250120C	8	200	101
2492598	GED0250021C	10	224	176
2492571	GED0250022C	12	250	292
2492563	GED0250023C	14	290	370

**GED080**

HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws, with ball end



Code	No.	mm	mm	
2517191	GED0807090C	3	100	31
2517183	GED0807091C	4	100	38
2517175	GED0807092C	5	150	69
2517167	GED0807093C	6	150	83
2517159	GED0807094C	8	150	118
2515628	GED0807095C	10	200	225
2515636	GED0807096C	12	200	295
2515660	GED0807097C	14	200	380



**GED025**

HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws



Code	No.	mm	mm	
2516160	GED0251049S	3	100	31
2516152	GED0251050S	4	100	38
2516136	GED0251051S	5	100	61
2516128	GED0251052S	6	100	71
2516101	GED0251053S	8	100	97
2507951	GED0251054S	10	100	157
2508567	GED0250055S	12	100	198
2508443	GED0250056S	14	100	246

**GED083**

HEXAGON ALLEN KEY



Code	No.	mm	mm	
2517132	GED0831250S	4	125	25
2517124	GED0831300S	6	130	35
2515601	GED0831400S	10	140	90
2515520	GED0831900S	13	190	240

**GED014**

HEXAGON ALLEN KEY for square screws



Code	No.	mm	mm	
2492903	GED0140010S	10	200	200
2492881	GED0140011S	11	200	200
2492873	GED0140012S	12	200	200
2492865	GED0140013S	13	200	200
2492857	GED0140014S	14	220	400
2492849	GED0140015S	15	220	400
2492830	GED0140016S	16	220	400
2492822	GED0140017S	17	250	600
2492792	GED0140018S	18	250	600
2492784	GED0140019S	19	250	600
2492776	GED0140020S	20	300	1000
2492768	GED0140021S	21	300	1000
2492741	GED0140022S	22	300	1000
2492733	GED0140024S	24	360	1600
2492725	GED0140025S	25	360	1600
2492717	GED0140027S	27	360	1600
2492709	GED0140028S	28	440	3200
2492695	GED0140030S	30	440	3200
2492679	GED0140032S	32	440	3200

**GED025**

HEXAGON ALLEN KEY WITH T-HANDLE, LONG for in-hex screws



Code	No.	mm	mm	
2516217	GED0250057S	3	150	34
2516209	GED0250058S	4	150	43
2516195	GED0250059S	5	150	69
2516187	GED0250061S	6	150	83
2516179	GED0250062S	8	150	118
2508338	GED0250063S	10	150	191
2508206	GED0250064S	12	150	247
2508087	GED0250065S	14	150	312

# PLIERS

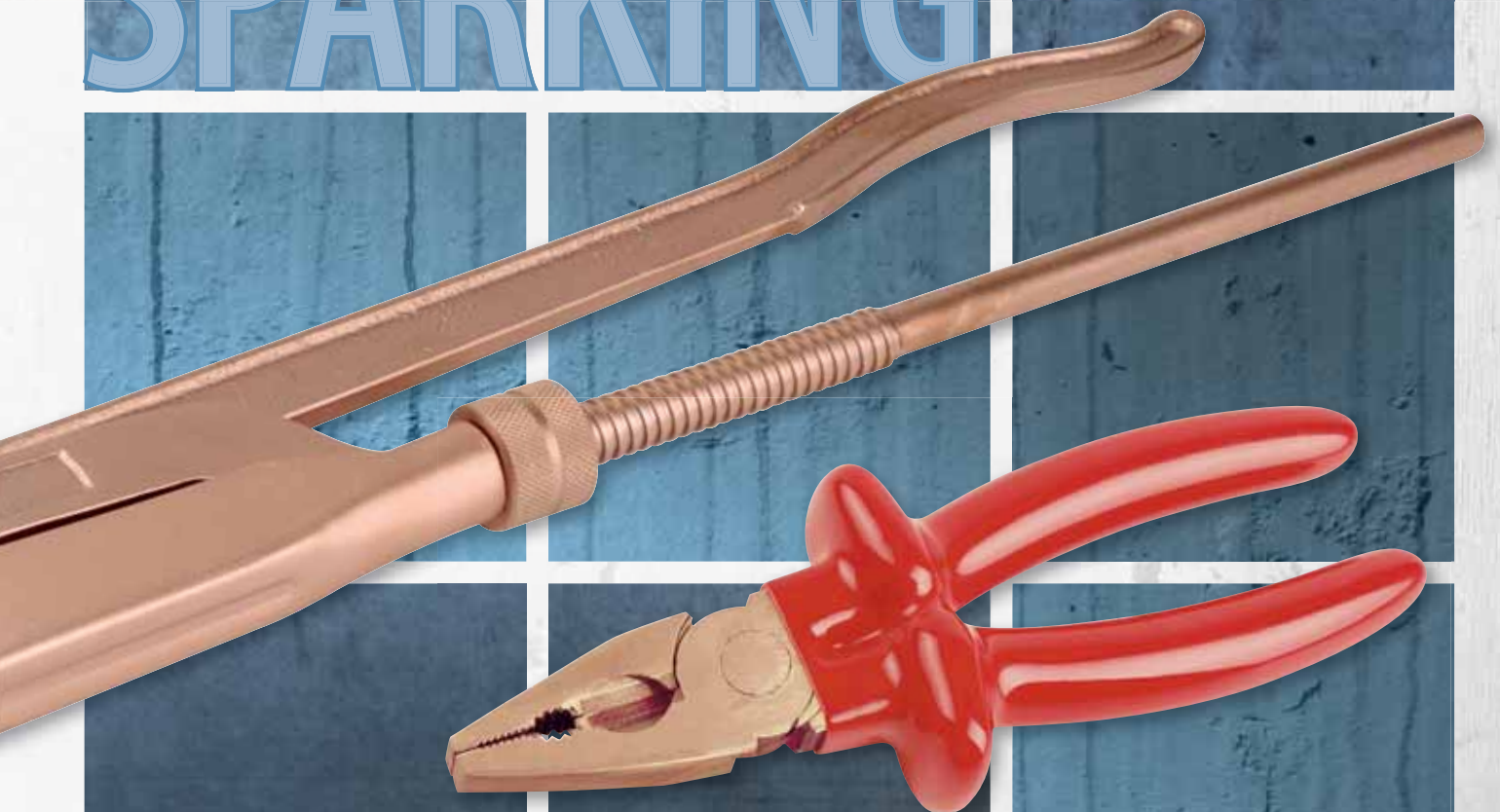


# Pliers



## PLIERS NON-SPARKING

NON  
SPARKING



\*funkenfrees

**PLIERS NON-SPARKING**

**GED053**

PIPE WRENCH, AMERICAN PATTERN



Code	No.	"inch [ ]	[ mm ]	↕
2517337	<b>GED0530230S</b>	3/4	230	600
2517329	<b>GED0530300S</b>	1	300	1125
2517310	<b>GED0530385S</b>	1.1/2	385	1370
2517302	<b>GED0530460S</b>	2	460	2450
2517299	<b>GED0530625S</b>	2.1/2	625	4050
2517280	<b>GED0530850S</b>	3.1/2	850	7350
2515849	<b>GED0531205S</b>	5	1205	13800

**GED055**

ADJUSTABLE SPANNER



Code	No.	mm [ ]	[ mm ]	↕
2507838	<b>GED0554000S</b>	38	240	420
2507811	<b>GED0555000S</b>	45	240	470
2507803	<b>GED0556000S</b>	48	290	780
2507781	<b>GED0557000S</b>	58	350	1000
2507773	<b>GED0558000S</b>	65	350	1200
2507765	<b>GED0559000S</b>	70	425	1600
2507854	<b>GED0551000S</b>	80	500	2200
2506181	<b>GED0551050S</b>	105	575	3700

**GED051**

ELBOW PIPE WRENCH

- For working in confined spaces
- Roller secured against loss

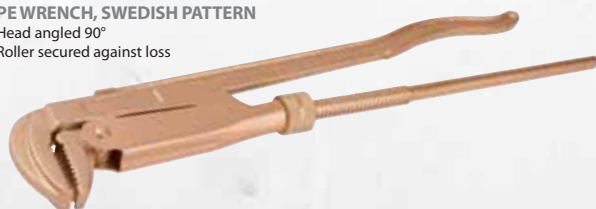


Code	No.	"inch [ ]	[ mm ]	↕
2515156	<b>GED0510010C</b>	1	320	820
2513641	<b>GED0510015C</b>	1.1/2	430	1570
2515148	<b>GED0510020C</b>	2	540	3200
2515121	<b>GED0510030C</b>	3	700	4100
2515113	<b>GED0510040C</b>	4	790	6200

**GED051**

PIPE WRENCH, SWEDISH PATTERN

- Head angled 90°
- Roller secured against loss



Code	No.	"inch [ ]	[ mm ]	↕
2499118	<b>GED0510115C</b>	1.1/2	430	1570
2506203	<b>GED0510120C</b>	2	540	3200

**GED048**

ADJUSTABLE WRENCH



Code	No.	mm [ ]	[ mm ]	↕
2503174	<b>GED0481500C</b>	18	150	100
2503166	<b>GED0482000C</b>	26	200	200
2503158	<b>GED0482500C</b>	30	250	400
2503131	<b>GED0483000C</b>	36	300	700
2503123	<b>GED0483800C</b>	46	380	1400
2503115	<b>GED0484500C</b>	53	450	2700
2503107	<b>GED0486000C</b>	67	600	5100

**GED722**

CHAIN PIPE WRENCH light version

- Ideal for use in areas with restricted access
- Ratchet-type operation



Code	No.	for max. Ø	[ mm ]	↕
2521687	<b>GED7220001S</b>	50	600	1700
2521679	<b>GED7220002S</b>	100	600	2500
2498677	<b>GED7220003S</b>	150	600	3000
2521660	<b>GED7220004S</b>	450	1600	8000

**GED052**

CHAIN PIPE WRENCH American pattern

- High efficiency due to maximum-possible lever action



Code	No.	for max. Ø	[ mm ]	↕
2522748	<b>GED0520510S</b>	38	510	2650
2522721	<b>GED0520685S</b>	65	685	4500
2522705	<b>GED0520915S</b>	100	915	11500
2522691	<b>GED0521830S</b>	300	1830	30300

**GED065**

GAS PIPE PLIERS



Code	No.	Ø	[ mm ]	↕
2501917	<b>GED0652100C</b>	40	210	370



**GED060**

**COMBINATION PLIERS**

- Size 160 mm = handles blue dip-insulated
- Size 200 mm = with 2-component handle sleeves

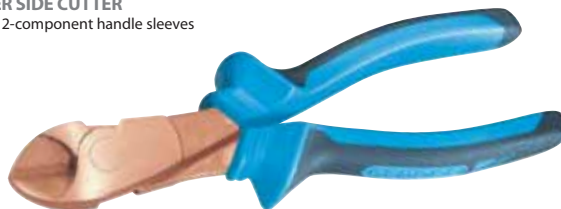


Code	No.	mm	mm
2514761	<b>GED0601600C</b>	160	350
2514753	<b>GED0602000C</b>	200	425

**GED066**

**POWER SIDE CUTTER**

- With 2-component handle sleeves



Code	No.	mm	mm
2522659	<b>GED0662650C</b>	190	290

**GED066**

**POWER SIDE CUTTER, INSULATED**

- Insulated up to 1000 V



Code	No.	mm	mm
2515830	<b>GED0662651C</b>	190	290



**GED160**

**COMBINATION PLIERS, INSULATED**

- Insulated up to 1000 V

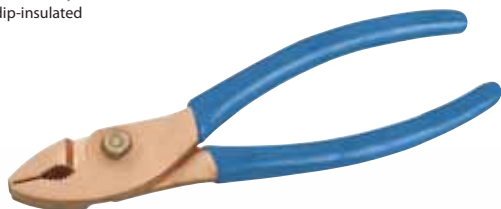


Code	No.	mm	mm
2522047	<b>GED1601000C</b>	200	390

**GED160**

**COMBINATION PLIERS, ADJUSTABLE**

- Handles blue dip-insulated



Code	No.	mm	mm
2513838	<b>GED1602000C</b>	200	340

**GED060**

**WATER PUMP PLIERS**

- Box joint



Code	No.	mm	mm	mm
2506173	<b>GED0602500C</b>	30	250	350

**GED066**

**SIDE CUTTER**

- With 2-component handle sleeves



Code	No.	mm	mm
2510189	<b>GED0661650C</b>	165	200

**GED062**

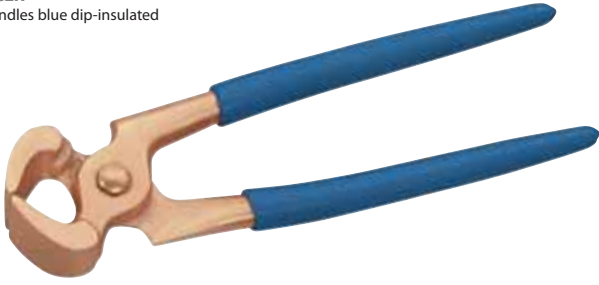
**ROUND NOSE PLIERS**

- With 2-component handle sleeves




Code	No.	mm	mm
2515059	<b>GED0621200C</b>	120	90
2515032	<b>GED0621600C</b>	160	160

**GED061**  
**PINCER**  
 ▽ Handles blue dip-insulated




Code	No.	↳mm↳	↕↔
2515075	<b>GED0612000C</b>	200	430
2515067	<b>GED0612300C</b>	230	520

**GED063**  
**TELEPHONE PLIERS, INSULATED straight pattern**  
 ▽ Insulated up to 1000 V



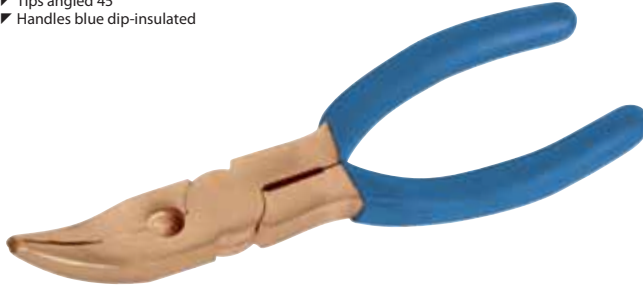
Code	No.	↳mm↳	↕↔
2522667	<b>GED0631802C</b>	180	255

**GED061**  
**END CUTTING NIPPERS heavy-duty version**  
 ▽ Handles blue dip-insulated



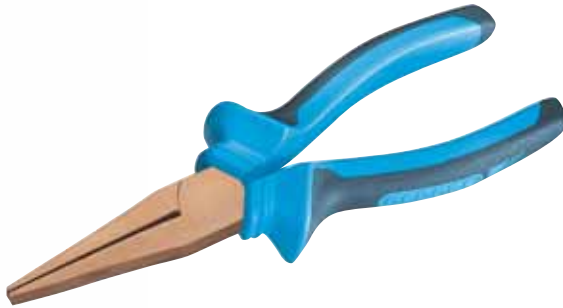
Code	No.	↳mm↳	↕↔
2522683	<b>GED0611750C</b>	175	260

**GED063**  
**TELEPHONE PLIERS angled**  
 ▽ Tips angled 45°  
 ▽ Handles blue dip-insulated



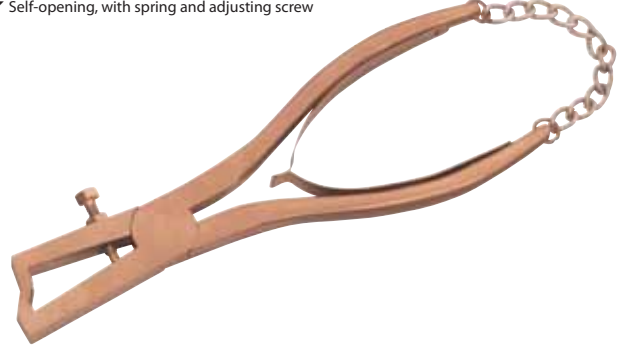
Code	No.	↳mm↳	↕↔
2522675	<b>GED0631801C</b>	180	245

**GED064**  
**FLAT NOSE PLIERS**  
 ▽ Size 120 mm = with 2-component handle sleeves  
 ▽ Size 160 mm = handles blue dip-insulated




Code	No.	↳mm↳	↕↔
2514737	<b>GED0641200C</b>	120	50
2514729	<b>GED0641600C</b>	160	150

**GED061**  
**STRIPPING PLIERS**  
 ▽ Self-opening, with spring and adjusting screw




Code	No.	↳mm↳	↕↔
2511827	<b>GED0611550C</b>	170	260

**GED063**  
**TELEPHONE PLIERS straight pattern**  
 ▽ With 2-component handle sleeves



Code	No.	↳mm↳	↕↔
2513633	<b>GED0631800C</b>	180	300

**GED068**  
**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form A**  
 ▽ Handles blue dip-insulated



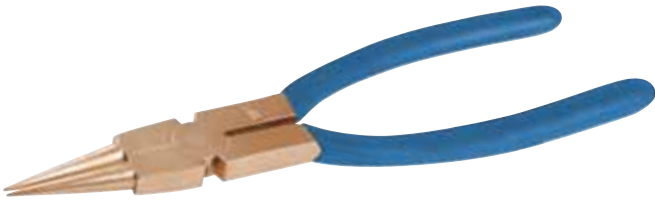
Code	No.	●mm	↳mm↳	↕↔
2517272	<b>GED0680310C</b>	3-10	140	110
2515822	<b>GED0681025C</b>	10-25	140	120
2515814	<b>GED0681960C</b>	19-60	180	220
2497824	<b>GED0684010C</b>	40-100	225	300
2497700	<b>GED0688516C</b>	85-165	310	700
2519550	<b>GED0681253C</b>	125-300	500	1200



**GED069**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form C**

✔ Handles blue dip-insulated



Code	No.	Ø mm	l mm	l mm
2522640	<b>GED0690825C</b>	8-25	140	120
2517264	<b>GED0691960C</b>	19-60	180	220
2515806	<b>GED0694010C</b>	40-100	225	300
2515792	<b>GED0698516C</b>	85-165	290	700
2497565	<b>GED0691253C</b>	125-300	500	1200

**GED999**

**BOLT CUTTERS**

✔ Handles blue dip-insulated

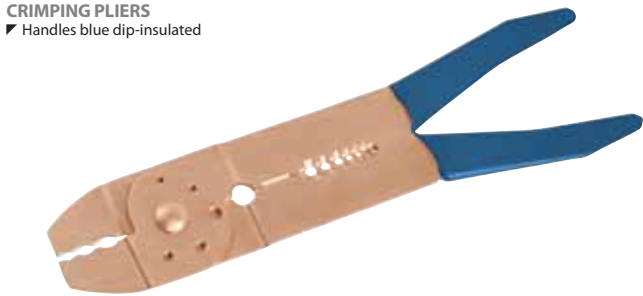


Code	No.	l mm	l mm
2509385	<b>GED9991031C</b>	620	3400

**GED062**

**CRIMPING PLIERS**

✔ Handles blue dip-insulated



Code	No.	l mm	l mm
2514745	<b>GED0621001C</b>	200	120

**GED725**

**PLIERS SET 4 pieces**



Code	No.	Contents	l mm
2513099	<b>GED7250008C</b>	Combination pliers 200 mm Side cutter 165 mm Telephone pliers 180 mm Water pump pliers 250 mm	1500

**GED0702**

**TIN SNIPS American pattern**



Code	No.	l mm	l mm
2514141	<b>GED0702800C</b>	300	450

**GED0702**

**IDEAL PATTERN SNIPS reinforced**

✔ For straight continuous and figure cuts



Code	No.	l mm	l mm
2522632	<b>GED0702750C</b>	280	520



**GED0712**

**MULTIPURPOSE SCISSORS**



Code	No.	l mm	l mm
2510170	<b>GED0712100C</b>	210	300



**GED0712**

**SCISSORS**



Code	No.	l mm	l mm
2512572	<b>GED0712000C</b>	220	225

# HAMMERS



\* funkenfrei



## HAMMERS NON-SPARKING



**HAMMERS NON-SPARKING**

**GED100**

**ENGINEERS' HAMMER**

- ✔ With hickory handle
- ✔ Similar to DIN 1041, face and pein ground



Code	No.	↕
2522594	<b>GED1000100S</b>	100
2522586	<b>GED1000150S</b>	150
2522578	<b>GED1000200S</b>	200
2522543	<b>GED1000300S</b>	300
2522527	<b>GED1000400S</b>	400
2522500	<b>GED1000500S</b>	500
2522497	<b>GED1000600S</b>	600
2522470	<b>GED1000700S</b>	700
2522454	<b>GED1000800S</b>	800
2522446	<b>GED1000900S</b>	900
2517086	<b>GED1001000S</b>	1000
2517078	<b>GED1001250S</b>	1250
2517043	<b>GED1001500S</b>	1500
2517027	<b>GED1002000S</b>	2000



**GED104**

**SLEDGE HAMMER**

- ✔ With hickory handle
- ✔ Similar to DIN 1042, face and pein ground



Code	No.	↕
2509873	<b>GED1042500S</b>	2500
2509857	<b>GED1043000S</b>	3000
2509830	<b>GED1044000S</b>	4000
2509814	<b>GED1045000S</b>	5000
2509806	<b>GED1046000S</b>	6000
2509776	<b>GED1048000S</b>	8000
2509768	<b>GED1049000S</b>	9000
2507668	<b>GED1041000S</b>	10000
2507641	<b>GED1041200S</b>	12000
2507633	<b>GED1041500S</b>	15000

**GED104**

**SLEDGE HAMMER**

- ✔ With nearly unbreakable fibreglass handle
- ✔ Similar to DIN 1042, face and pein ground



Code	No.	↕
2509865	<b>GED1043000F</b>	3000
2509849	<b>GED1044000F</b>	4000
2509822	<b>GED1045000F</b>	5000
2509792	<b>GED1048000F</b>	8000
2507676	<b>GED1041000F</b>	10000

**GED100**

**ENGINEERS' HAMMER**

- ✔ With nearly unbreakable fibreglass handle
- ✔ Similar to DIN 1041, face and pein ground



Code	No.	↕
2522551	<b>GED1000300F</b>	300
2522535	<b>GED1000400F</b>	400
2522519	<b>GED1000500F</b>	500
2522462	<b>GED1000800F</b>	800
2517094	<b>GED1001000F</b>	1000
2517051	<b>GED1001500F</b>	1500
2517035	<b>GED1002000F</b>	2000

**GED103**

**CLUB HAMMER**

- ✔ With hickory handle
- ✔ Face ground




Code	No.	↕
2510138	<b>GED1031000S</b>	1000
2510103	<b>GED1031250S</b>	1250
2510073	<b>GED1031500S</b>	1500
2510057	<b>GED1032000S</b>	2000
2510022	<b>GED1032500S</b>	2500
2510006	<b>GED1033000S</b>	3000
2509989	<b>GED1034000S</b>	4000
2509962	<b>GED1035000S</b>	5000
2509946	<b>GED1036000S</b>	6000
2509881	<b>GED1038000S</b>	8000
2507684	<b>GED1031100S</b>	10000

**GED103**

**CLUB HAMMER**

- ▶ With nearly unbreakable fibreglass handle
- ▶ Face ground




Code	No.	
2510146	<b>GED1031000F</b>	1000
2510111	<b>GED1031250F</b>	1250
2510081	<b>GED1031500F</b>	1500
2510065	<b>GED1032000F</b>	2000
2510049	<b>GED1032500F</b>	2500
2510014	<b>GED1033000F</b>	3000
2509997	<b>GED1034000F</b>	4000
2509970	<b>GED1035000F</b>	5000
2509954	<b>GED1036000F</b>	6000
2509938	<b>GED1038000F</b>	8000
2507692	<b>GED1031100F</b>	10000

**GED113**

**MINING HAMMER**

- ▶ With hickory handle
- ▶ Face ground




Code	No.	
2514095	<b>GED1131000S</b>	1000
2514087	<b>GED1131500S</b>	1500
2514060	<b>GED1132500S</b>	2500
2514052	<b>GED1133500S</b>	3500
2514044	<b>GED1135000S</b>	5000
2514036	<b>GED1138000S</b>	8000

**GED113**

**MINING HAMMER**

- ▶ With nearly unbreakable fibreglass handle
- ▶ Face ground




Code	No.	
2513625	<b>GED1131000F</b>	1000
2513617	<b>GED1131500F</b>	1500
2513609	<b>GED1132500F</b>	2500
2513595	<b>GED1133500F</b>	3500
2513560	<b>GED1135000F</b>	5000
2513552	<b>GED1138000F</b>	8000

**GED102**

**ENGINEERS' HAMMER American pattern**

- ▶ With hickory handle




Code	No.	
2522438	<b>GED1020100S</b>	100
2522411	<b>GED1020150S</b>	150
2522403	<b>GED1020200S</b>	200
2522381	<b>GED1020300S</b>	300
2522373	<b>GED1020400S</b>	400
2522365	<b>GED1020500S</b>	500
2522349	<b>GED1020600S</b>	600
2522330	<b>GED1020700S</b>	700
2522322	<b>GED1020800S</b>	800
2522314	<b>GED1020900S</b>	900
2517019	<b>GED1021000S</b>	1000
2517000	<b>GED1021300S</b>	1300
2516985	<b>GED1021500S</b>	1500
2516977	<b>GED1022000S</b>	2000



**GED109**

**HAND HAMMER American pattern**




Code	No.	
2522306	<b>GED1090700S</b>	700
2516969	<b>GED1091200S</b>	1200
2516950	<b>GED1091600S</b>	1600

**GED108**

**SET HAMMER**

- ▶ With hickory handle



Code	No.	
2514702	<b>GED1081500S</b>	1500

**GED116**

**HOLE/DRIFT PUNCH**  
 ▽ With hickory handle



Code	No.	↕
2498944	<b>GED1161000S</b>	1000
2498936	<b>GED1162000S</b>	2000
2498898	<b>GED1163000S</b>	3000
2498871	<b>GED1165000S</b>	5000

**GED112**

**MACHINIST'S HAMMER American pattern**  
 ▽ With hickory handle



Code	No.	↕
2505924	<b>GED1120100S</b>	100
2505916	<b>GED1120300S</b>	300
2505908	<b>GED1120500S</b>	500
2505894	<b>GED1120600S</b>	600
2505878	<b>GED1120800S</b>	800
2505851	<b>GED1120900S</b>	900
2503085	<b>GED1121100S</b>	1100

**GED106**

**CLAW HAMMER**  
 ▽ With hickory handle



Code	No.	↕
2514133	<b>GED1060300S</b>	300
2514125	<b>GED1060400S</b>	400
2514117	<b>GED1060500S</b>	500
2514109	<b>GED1060600S</b>	600

**GED701**

**BRICKLAYER'S HAMMER**  
 ▽ With hickory handle  
 ▽ Similar to DIN 5108



Code	No.	↕
2513803	<b>GED7010600S</b>	600
2513781	<b>GED7010800S</b>	800
2513250	<b>GED7010900S</b>	1000

**GED703**

**BRICKLAYER'S HAMMER American pattern**  
 ▽ With hickory handle



Code	No.	↕
2511754	<b>GED7030700S</b>	700

**GED105**

**SCALING HAMMER**  
 ▽ With hickory handle



Code	No.	↕
2507625	<b>GED1050200S</b>	200
2507617	<b>GED1050400S</b>	400
2507609	<b>GED1050500S</b>	500
2507587	<b>GED1050600S</b>	600
2507579	<b>GED1050800S</b>	800
2507560	<b>GED1050900S</b>	900
2505932	<b>GED1051400S</b>	1400

**GED702**

**MALLET**  
 ▽ With hickory handle



Code	No.	↕
2495538	<b>GED7020900S</b>	900
2521970	<b>GED7021800S</b>	1800
2521962	<b>GED7022700S</b>	2700



**GED704**

**CHISEL HAMMER**  
 ▸ With hickory handle



Code	No.	mm	mm	mm	mm	mm
2513242	<b>GED7041300S</b>	130				
2513234	<b>GED7042100S</b>	210				

**227 E**

**RUBBER MALLET soft**  
 ▸ DIN 5128-60, 60 Shore A  
 ▸ With two flat surfaces  
 ▸ **2 A** with one curved and one flat surface  
 ▸ With ash handle



Code	No.	mm	mm	mm	mm	mm
8826660	<b>227 E-0</b>	80	260	40	150	6
8826740	<b>227 E-1</b>	90	320	55	320	6
8826820	<b>227 E-2</b>	115	340	65	540	6
8826900	<b>227 E-2 A</b>	115	340	65	430	6
8827040	<b>227 E-3</b>	130	380	75	770	6
8827120	<b>227 E-4</b>	140	380	90	1050	6

**GED705**

**DRIFT PUNCH**  
 ▸ With hickory handle



Code	No.	mm	mm
2513773	<b>GED7050800S</b>	8	800
2513196	<b>GED7051800S</b>	10	800
2513226	<b>GED7051200S</b>	12	1200
2513188	<b>GED7052200S</b>	16	1200

**228**

**WOODEN MALLET**  
 ▸ Made from white beech wood  
 ▸ Acc. to DIN 7462 A



Code	No.	mm	mm	mm	mm
8828010	<b>228-60</b>	300	60	350	6
8828280	<b>228-70</b>	340	70	470	6

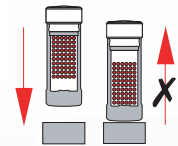


**RECOILLESS HAMMERS NON-SPARKING**



**Recoilless hammers**

- All **Power Drive®** recoilless hammers are made in the USA with Nuplaglas® fibre glass handles.
- The patented, impact-resilient compound material of the inner cavities is enveloped in an extremely robust polymer protective jacket.
- Compared to other hammers of this type, this results in a 40 % rise in impact power and a reduction of recoil.
- The specially designed impact surface material ensures an extremely high level of surface protection and unbelievable durability.
- In order that a non-sparking version is involved, brass surfaces are also available.



**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



Code	No.	mm	mm	mm	mm	mm
8825500	<b>226 E-0</b>	80	260	40	210	6
8825690	<b>226 E-1</b>	90	320	55	370	6
8825770	<b>226 E-2</b>	115	340	65	630	6
8825850	<b>226 E-2 A</b>	115	340	65	578	6
8825930	<b>226 E-3</b>	130	380	75	990	6
8826070	<b>226 E-4</b>	140	380	90	1460	6

**GEDSFN**

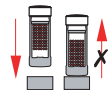
**RECOILLESS HAMMER**  
 ▸ With Nuplaglas® fibreglass handle



Code	No.	mm	mm
2495341	<b>GEDSFN1SG</b>	40	800
2521431	<b>GEDSFN2SG</b>	50	1000
2521423	<b>GEDSFN3SG</b>	60	1300
2521415	<b>GEDSFN4SG</b>	70	1600

**GEDSDS**

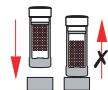
**RECOILLESS HAMMER with non-sparking striking face**  
 ▽ With Nuplaglas® fibreglass handle



Code	No.	Ø mm	↕
2511509	<b>GEDSDSFB-2SG</b>	50	1000

**GEDSTPN**

**RECOILLESS HAMMER with fixed plastic caps**  
 ▽ With Nuplaglas® fibreglass handle



Code	No.	Ø mm	↕
2495333	<b>GEDSTPN16</b>	16	450
2495325	<b>GEDSTPN24</b>	24	675

**GEDSPI**

**NON-SPARKING HOLDER without cap**  
 ▽ With Nuplaglas® fibreglass handle



Code	No.	Ø mm	↕
2521407	<b>GEDSPI106N</b>	25	350
2521393	<b>GEDSPI156N</b>	40	500
2516691	<b>GEDSPI206N</b>	50	1000
2516683	<b>GEDSPI256N</b>	65	2000
2516675	<b>GEDSPI306N</b>	75	3000

**GEDSPS**

**PLASTIC HAMMER without cap**  
 ▽ With Nuplaglas® fibreglass handle



Code	No.	Ø mm	↕
2511371	<b>GEDSPS105N</b>	25	250
2511266	<b>GEDSPS150N</b>	40	450
2511142	<b>GEDSPS155N</b>	40	300
2511002	<b>GEDSPS200N</b>	50	700
2494515	<b>GEDSPS205N</b>	50	1000
2494396	<b>GEDSPS250N</b>	65	1150
2494272	<b>GEDSPS255N</b>	65	1950
2494159	<b>GEDSPS300N</b>	75	1500
2494035	<b>GEDSPS305N</b>	75	3000
2493918	<b>GEDSPS306N</b>	75	3400
2493780	<b>GEDSPS307N</b>	75	3700



soft



medium soft



medium hard



hard



hard



extra hard



Brass

**GED10**

**CAPS 25 MM Ø for SPI106N, SPS105N**

Code	No.	Ø mm	Hardness	↕
2514443	<b>GED10H-N</b>	25	hard	40
2514427	<b>GED10M-N</b>	25	medium hard	40
2514893	<b>GED10S-N</b>	25	soft	40
2513765	<b>GED10SN-N</b>	25	medium soft	40
2502798	<b>GED10T-N</b>	25	hard	40
2511983	<b>GED10XH-N</b>	25	extra hard	40

**GED15**

**CAPS 40 MM Ø for SPS150N, SPS155N, SPI156N**

Code	No.	Ø mm	Hardness	↕
2513463	<b>GED15B-N</b>	40	Brass	40
2514907	<b>GED15H-N</b>	40	hard	40
2509547	<b>GED15M-N</b>	40	medium hard	40
2505509	<b>GED15S-N</b>	40	soft	40
2505770	<b>GED15SN-N</b>	40	medium soft	40
2514885	<b>GED15T-N</b>	40	hard	40
2509520	<b>GED15XH-N</b>	40	extra hard	40

**GED20**

**CAPS 50 MM Ø for SPS200N, SPS205N, SPI206N**

Code	No.	Ø mm	Hardness	↕
2513269	<b>GED20B-N</b>	50	Brass	130
2514877	<b>GED20H-N</b>	50	hard	90
2509490	<b>GED20M-N</b>	50	medium hard	90
2514478	<b>GED20S-N</b>	50	soft	90
2505568	<b>GED20SN-N</b>	50	medium soft	100
2514869	<b>GED20T-N</b>	50	hard	100
2509482	<b>GED20XH-N</b>	50	extra hard	100



<b>GED25</b>				
CAPS 65 MM Ø for SPS250N, SPS255N, SPI256N				
Code	No.	Ø mm	Hardness	↕
2502771	<b>GED25H-N</b>	65	hard	70
2516802	<b>GED25M-N</b>	65	medium hard	70
2507536	<b>GED25S-N</b>	65	soft	70
2516721	<b>GED25SN-N</b>	65	medium soft	70
2505525	<b>GED25T-N</b>	65	hard	70
2505495	<b>GED25XH-N</b>	65	extra hard	70

<b>GED30</b>				
CAPS 75 MM Ø for SPS305N, SPS307N, SPI306N				
Code	No.	Ø mm	Hardness	↕
2514850	<b>GED30H-N</b>	75	hard	240
2509474	<b>GED30M-N</b>	75	medium hard	240
2514451	<b>GED30S-N</b>	75	soft	270
2505541	<b>GED30SN-N</b>	75	medium soft	270
2514842	<b>GED30T-N</b>	75	hard	280
2509466	<b>GED30XH-N</b>	75	extra hard	310

## CHISELS NON-SPARKING

<b>GED115</b>				
FLAT COLD CHISEL flat oval				
▶ Cutting edge free of burrs				
Code	No.	↳mm↳	mm↳	↕
2522292	<b>GED1150150S</b>	150	20	200
2522284	<b>GED1150200S</b>	200	25	320
2522276	<b>GED1150250S</b>	250	25	550
2522268	<b>GED1150300S</b>	300	25	560
2522241	<b>GED1150400S</b>	400	30	630
2522225	<b>GED1150450S</b>	450	30	750
2522217	<b>GED1150500S</b>	500	30	920

<b>GED115</b>					
SPLITTING CHISEL flat					
▶ Cutting edge free of burrs					
Code	No.	↳mm↳	mm↳	Height	↕
2498979	<b>GED1150001S</b>	200	25	5	360
2498960	<b>GED1150002S</b>	250	25	5	460
2498952	<b>GED1150003S</b>	300	25	5	550

<b>GED709</b>				
BRICKLAYER'S CHISEL hexagon				
▶ Similar to DIN 7254				
▶ Cutting edge free of burrs				
Code	No.	↳mm↳	mm↳	↕
2495511	<b>GED7090006S</b>	200	6	35
2521938	<b>GED7090008S</b>	150	8	40
2521911	<b>GED7090010S</b>	150	10	120
2521903	<b>GED7090014S</b>	150	14	200
2521792	<b>GED7090200S</b>	200	14	250
2521784	<b>GED7090250S</b>	250	14	300
2521814	<b>GED7090140S</b>	300	14	400
2521881	<b>GED7090017S</b>	150	17	300
2521806	<b>GED7090170S</b>	250	17	450
2521776	<b>GED7090300S</b>	300	17	550

Code	No.	↳mm↳	mm↳	↕
2521873	<b>GED7090020S</b>	200	19	500
2521946	<b>GED7090002S</b>	250	19	600
2521768	<b>GED7090350S</b>	350	19	850
2521725	<b>GED7090400S</b>	400	19	1000
2521849	<b>GED7090023S</b>	250	22	850
2521857	<b>GED7090022S</b>	300	22	1000
2521717	<b>GED7090500S</b>	500	22	1600
2521709	<b>GED7090600S</b>	600	22	2000
2521830	<b>GED7090027S</b>	250	27	580
2521822	<b>GED7090050S</b>	300	32	850

<b>GED116</b>				
CROSS-CUT CHISEL oval				
▶ Cutting edge free of burrs				
Code	No.	↳mm↳	mm↳	↕
2522209	<b>GED1160150S</b>	150	8	250
2522195	<b>GED1160200S</b>	200	8	340
2522187	<b>GED1160250S</b>	250	8	480
2522179	<b>GED1160300S</b>	300	10	640



<b>GED710</b>				
CROSS-CUT CHISEL hexagon				
▶ Cutting edge free of burrs				
Code	No.	↳mm↳	mm	↕
2502720	<b>GED7100200S</b>	200	14	270
2502712	<b>GED7100250S</b>	250	14	330
2502704	<b>GED7100300S</b>	300	17	550
2502682	<b>GED7100400S</b>	400	19	960



<b>GED708</b>				
POINT CHISEL hexagon				
Code	No.	↳mm↳	mm	↕
2502763	<b>GED7080200S</b>	200	14	270
2502755	<b>GED7080250S</b>	250	14	330
2502747	<b>GED7080300S</b>	300	17	550
2502739	<b>GED7080400S</b>	400	19	960



<b>GED711</b>				
CONCRETE CHISEL				
Code	No.	↳mm↳	Height	↕
2513757	<b>GED7110380S</b>	380	45	5000



**108 UNI**

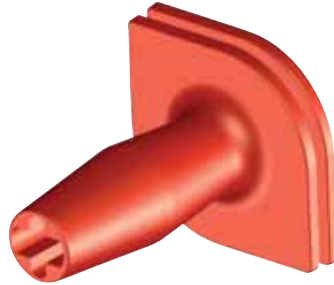
**PROTECTIVE HAND GUARD**

- ▶ Made from PVC
- ▶ Improved protective plate offers highest safety for the hand against impacts
- ▶ Ergonomic design
- ▶ Avoids injuries of the hand
- ▶ No rolling away (elliptical-shaped)
- ▶ Jarring blows do not move into the hand
- ▶ No fatigue of the hand - optimum hold
- ▶ All chisels from 250 mm length can be supplied with universal protective hand guard (HS)
- ▶ DBGM (German utility patent)



product  
design  
award

2008



Code	No.	oval	octagonal	↕	☒
8658500	<b>108 UNI</b>	20 x 12 23 x 13 26 x 13 26 x 7	14 16 18 20	182	1



**PIN / DRIFT PUNCHES NON-SPARKING**

**GED120**

**SCRIBER**



Code	No.	~mm~	∅	↕
2514974	<b>GED12019005</b>	190	4	50
2514966	<b>GED12022505</b>	225	6	50

**GED195**

**OFFSET PIN**



Code	No.	L	W	∅	↕
2495643	<b>GED19503005</b>	300	100	13	200
2495635	<b>GED19504005</b>	450	150	19	1300
2495619	<b>GED19504015</b>	450	150	16	930
2495600	<b>GED19504025</b>	450	150	24	2000
2495597	<b>GED19504035</b>	450	150	27	2300
2495589	<b>GED19504045</b>	450	150	30	3300
2495570	<b>GED19504055</b>	500	150	16	1300
2495562	<b>GED19504065</b>	600	200	20	2400
2495554	<b>GED19504075</b>	800	200	22	3400

**GED081**

**SQUARE BLADED AWL**



Code	No.	↕	↕
2512505	<b>GED08100605</b>	100	80

**GED118**

**DRIFT PUNCH conical**

- ▶ Similar to DIN 6458



Code	No.	L	s	d	↕
2503026	<b>GED11800105</b>	120	1	8	35
2503018	<b>GED11800205</b>	120	2	8	35
2502992	<b>GED11800305</b>	120	3	8	35
2502984	<b>GED11800405</b>	120	4	8	40
2502976	<b>GED11800505</b>	120	5	10	60
2502968	<b>GED11800605</b>	120	6	10	60
2502941	<b>GED11800705</b>	120	7	10	65
2502925	<b>GED11800805</b>	120	8	10	65
2502917	<b>GED11800905</b>	150	9	13	135
2498855	<b>GED11801005</b>	150	10	13	140
2498847	<b>GED11801205</b>	160	12	16	220
2498839	<b>GED11801405</b>	160	14	16	230
2498820	<b>GED11801605</b>	200	16	20	500
2498812	<b>GED11801805</b>	200	18	20	500
2498804	<b>GED11802005</b>	200	20	24	620
2498790	<b>GED11802205</b>	200	22	24	640

**GED118**

**DRIFT PUNCH conical, strong version**



Code	No.	L	s	d	↕
2515164	<b>GED11800115</b>	150	6	13	100
2515040	<b>GED11800125</b>	150	7	17	100
2514923	<b>GED11800135</b>	200	8	21	395
2496844	<b>GED11800145</b>	250	12	24	645
2516942	<b>GED11801305</b>	250	13	30	865

**GED118**

**DRIFT PUNCH conical, extra strong version**



Code	No.	L	s	d	↕
2522160	<b>GED11805005</b>	220	5	16	255
2496712	<b>GED11810005</b>	230	10	19	420
2532921	<b>GED11800155</b>	250	13	24	880

**GED118**

**DRIFT PUNCH spindle-shaped**



Code	No.	L	s	d	↕
2505843	<b>GED11800045</b>	200	8	17	230
2505835	<b>GED11800055</b>	200	8	21	360
2503077	<b>GED11800065</b>	200	10	24	415
2503050	<b>GED11800075</b>	200	13	27	630
2503042	<b>GED11800085</b>	200	18	30	880
2503034	<b>GED11800095</b>	200	22	32	1050

**GED117**

**CENTRE PUNCH**



Code	No.	l (mm)	s	d	↳
2495856	<b>GED1170100S</b>	100	3	30	
2495848	<b>GED1170110S</b>	110	4	60	
2495821	<b>GED1170125S</b>	125	5	100	
2495813	<b>GED1170150S</b>	150	6	200	

**GED118**

**DRIFT PUNCH SET 6 pieces**

▶ In plastic holder



Code	No.	Contents	↳
2507552	<b>GED1180001S</b>	1 drift punch each 1 2 3 4 5 mm 1 centre punch 4 mm	310

**GED119**

**PIN PUNCH**

▶ Similar to DIN 6450



Code	No.	l (mm)	s	d	↳
2509741	<b>GED1190150S</b>	110	1.5	10	45
2512491	<b>GED1190200S</b>	110	2.0	10	50
2512483	<b>GED1190300S</b>	110	3.0	10	45
2512467	<b>GED1190400S</b>	120	4.0	10	50
2512459	<b>GED1190500S</b>	130	5.0	10	50
2512440	<b>GED1190600S</b>	140	6.0	10	60
2512432	<b>GED1190800S</b>	150	8.0	12	100
2511800	<b>GED1191000S</b>	160	10.0	12	120
2511797	<b>GED1191300S</b>	180	13.0	16	240
2511789	<b>GED1191600S</b>	200	16.0	16	400

**GED119**

**PIN PUNCH strong version**



Code	No.	l (mm)	s	d	↳
2522144	<b>GED1191500S</b>	150	6	14	120
2516918	<b>GED1190100S</b>	180	10	14	160
2516926	<b>GED1190013S</b>	200	13	18	290
2516896	<b>GED1190160S</b>	300	16	20	655

**GED162**

**TAPER PUNCH**



Code	No.	l (mm)	s	d	↳
2512378	<b>GED1620500S</b>	500	5	20	1200

**GED118**

**PIN PUNCH SET 6 pieces**

▶ In plastic holder



Code	No.	Contents	↳
2498863	<b>GED1180002S</b>	1 pin punch each 3 4 5 6 8 10 mm	440

**GED120**

**DRIFT PIN**

▶ Similar to DIN 6459



Code	No.	l (mm)	d	↳
2515547	<b>GED1200008S</b>	85	8	40
2515431	<b>GED1200010S</b>	90	10	50
2515423	<b>GED1200013S</b>	100	13	70
2515415	<b>GED1200016S</b>	110	16	100
2515393	<b>GED1200019S</b>	140	19	180
2515385	<b>GED1200021S</b>	160	21	270
2515377	<b>GED1200025S</b>	200	25	450
2515369	<b>GED1200029S</b>	240	29	630

**GED120**

**SETTING PUNCH**



Code	No.	l (mm)	s	d	↳
2515016	<b>GED1200005S</b>	180	5	12	110
2515008	<b>GED1200006S</b>	200	6	13	150
2514982	<b>GED1200080S</b>	200	8	16	220
2514990	<b>GED1200009S</b>	200	9	20	340
2514648	<b>GED1200100S</b>	230	10	22	460
2514699	<b>GED1200011S</b>	250	11	25	620
2514680	<b>GED1200012S</b>	280	12	27	870
2514664	<b>GED1200014S</b>	320	14	30	1260
2514656	<b>GED1200015S</b>	350	15	32	1570
2514621	<b>GED1200160S</b>	380	16	36	2230

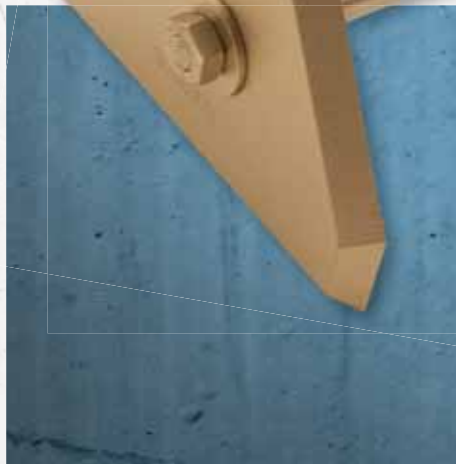
**GED136**

**THREAD CLEANING PIN**



Code	No.	l (mm)	Ø	↳
2514559	<b>GED1360006S</b>	300	6	75
2496593	<b>GED1360007S</b>	300	10	180
2496461	<b>GED1360008S</b>	300	13	350

# KNIVES, S



# CRADERS



## KNIVES, SCRAPERS NON-SPARKING

\*funkenfrei



NON  
SPARKING

**KNIVES, SCRAPERS NON-SPARKING**

**GED190**

**YARNING CHISEL/YARNING TOOL**



Code	No.	Width	
2512955	<b>GED1900002C</b>	2	370
2512831	<b>GED1900003C</b>	3	410
2512726	<b>GED1900004C</b>	4	390
2512599	<b>GED1900005C</b>	5	520
2512475	<b>GED1900006C</b>	6	420
2512351	<b>GED1900007C</b>	7	500
2512238	<b>GED1900008C</b>	8	520
2512106	<b>GED1900009C</b>	9	520
2495007	<b>GED1900010C</b>	10	525
2494884	<b>GED1900012C</b>	12	540



**GED073**

**KNIFE**

- ▶ With sturdy and fixed blade
- ▶ With wooden handle



Code	No.	mm	mm	
2515458	<b>GED0731800C</b>	80	180	75

**GED073**

**KNIFE reinforced version**

- ▶ With sturdy and fixed blade
- ▶ With wooden handle



Code	No.	mm	mm	
2517256	<b>GED0731801S</b>	200	300	300

**GED139**

**SCRAPER flexible**



Code	No.	L	W	
2505827	<b>GED1390040C</b>	210	40	75
2505819	<b>GED1390050C</b>	210	50	80
2505800	<b>GED1390060C</b>	210	60	95
2505797	<b>GED1390080C</b>	230	80	90
2505789	<b>GED1390090C</b>	230	90	115
2502844	<b>GED1390100C</b>	230	100	125

**GED140**

**SCRAPER rigid**



Code	No.	L	W	
2509636	<b>GED1400030S</b>	210	30	110
2509628	<b>GED1400040S</b>	220	40	120
2509601	<b>GED1400050S</b>	220	50	150
2509598	<b>GED1400060S</b>	220	60	165
2509571	<b>GED1400080S</b>	240	80	190
2509563	<b>GED1400090S</b>	240	90	215
2507544	<b>GED1400100S</b>	240	100	240

**GED723**

**SCRAPER flexible**



Code	No.	L	W	
2521652	<b>GED7230000C</b>	175	78	125

**GED999**

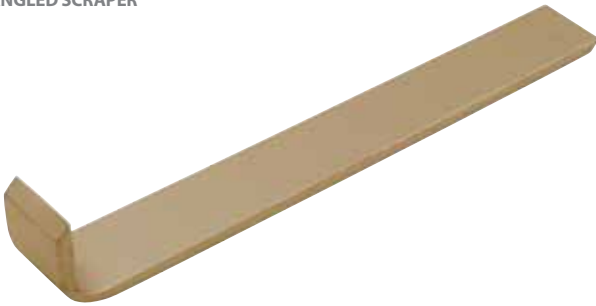
**SPATTLE**



Code	No.	(mm)	Blade length	Blade width	mm
2511630	<b>GED9991052S</b>	260	150	25	85
2511614	<b>GED9991053S</b>	350	230	40	145
2511606	<b>GED9991054S</b>	490	355	50	275

**GED136**

**ANGLED SCRAPER**



Code	No.	L	W	mm
2512416	<b>GED1360200S</b>	200	22	210
2512408	<b>GED1360255S</b>	255	45	480
2512394	<b>GED1360300S</b>	300	50	570

**GED136**

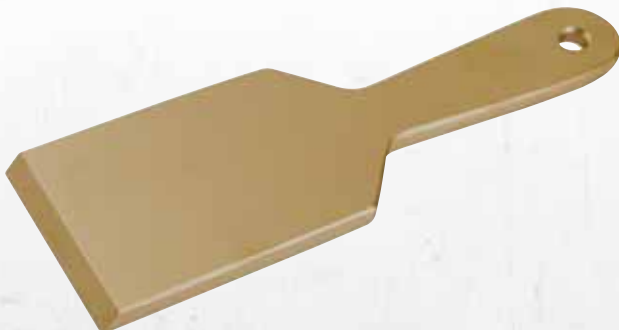
**ANGLED SCRAPER WITH HANDLE**



Code	No.	L	W	mm
2516829	<b>GED1360380S</b>	380	38	780

**GED714**

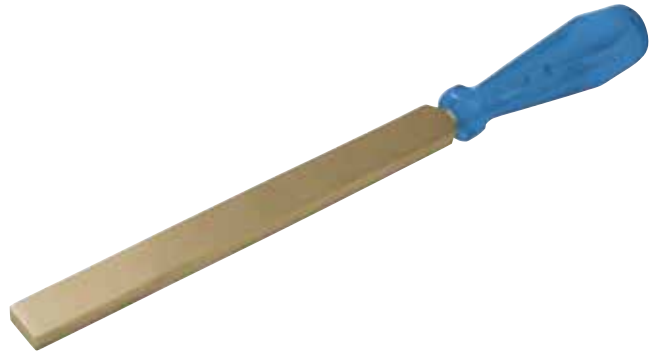
**SPRAY BOOTH SCRAPER**



Code	No.	(mm)	mm
2495481	<b>GED7140001S</b>	235	450

**GED138**

**FLAT SCRAPER**



Code	No.	(mm)	(mm)	mm
2513544	<b>GED1380200S</b>	200	310	290

**GED137**

**THREE-SQUARE SCRAPER**



Code	No.	(mm)	(mm)	mm
2509644	<b>GED1372000S</b>	200	310	220

**GED135**

**TRIANGULAR SHIP SCRAPER**



Code	No.	(mm)	(mm)	(mm)	mm
2516837	<b>GED1355000S</b>	420	100	70	650

**GED715**

SCRAPER WITH HANDLE



Code	No.	L	W	→
2498685	<b>GED7150001S</b>	480	95	620

**GED133**

RUST SCRAPER

▼ With handle



Code	No.	L	W	→
2516888	<b>GED1330600S</b>	600	75	530
2516845	<b>GED1330800S</b>	800	75	620
2514818	<b>GED1331000S</b>	1000	75	740
2514672	<b>GED1331200S</b>	1200	75	1160

**GED131**

SCRAPER

▼ On request with handle



Code	No.	L	W	→
2515350	<b>GED1310750S</b>	220	75	580
2515202	<b>GED1311000S</b>	220	100	830
2515199	<b>GED1311250S</b>	220	125	880
2515180	<b>GED1311500S</b>	220	150	1020

**GED139**

TROWEL



Code	No.	→ mm ←	Blade width	Blade length	→
2514028	<b>GED1390130S</b>	335	130	215	350
2514001	<b>GED1390135S</b>	360	135	240	540

**GED132**

DISHED SCRAPER

▼ On request with handle



Code	No.	L	W	→
2511762	<b>GED1321000S</b>	240	100	900
2511746	<b>GED1321500S</b>	240	150	1350

**GED139**

SMOOTHING TROWEL



Code	No.	Blade length	Blade width	→
2514591	<b>GED1390280S</b>	280	120	810



**GED139**

POINTING TROWEL



Code	No.	Blade width	
2514605	<b>GED1390160S</b>	160	180

**GED134**

CLEANING TOOL



Code	No.	L (mm)	W	
2502852	<b>GED1344800S</b>	480	1200	

**GED139**

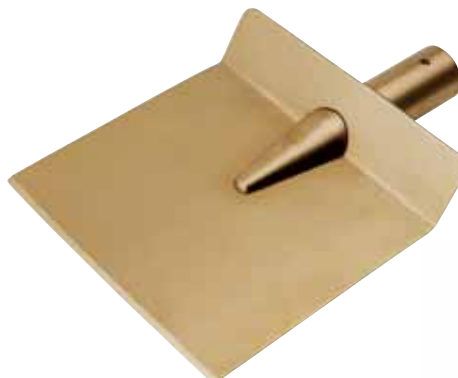
FILLING TROWEL



Code	No.	Blade width	
2514958	<b>GED1390010S</b>	10	113

**GED134**

FLOOR SCRAPER



Code	No.	L	W	
2509652	<b>GED1341500S</b>	170	150	720

**GED723**

BROAD TROWEL rigid blade



Code	No.	L	W	
2498650	<b>GED7230012S</b>	195	120	250
2498642	<b>GED7230014S</b>	195	140	270
2498634	<b>GED7230016S</b>	205	160	300
2502666	<b>GED7230018S</b>	205	160	350

**GED131**

SHIP SCRAPER



Code	No.	L	W	
2512424	<b>GED1310075S</b>	150	75	500
2511770	<b>GED1310125S</b>	235	125	800

# BRUSHES,



# SCRUBBER



BRUSHES, SCRUBBERS NON-SPARKING

# SPARKING



\*funktionsfrei

**BRUSHES, SCRUBBERS NON-SPARKING**

**GED176**

BRUSH tin bronze wire, crimped



Code	No.	L	W	
2511665	<b>GED1761800S</b>	180	70	300

**GED175**

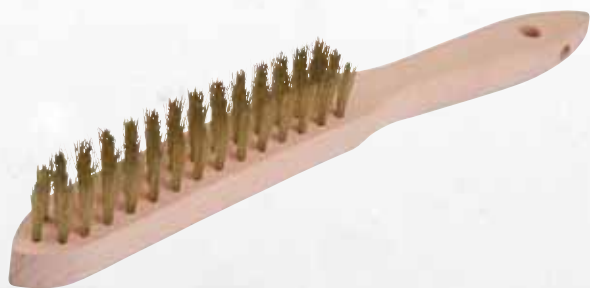
WIRE BRUSH tin bronze wire, crimped




Code	No.	Rows	(mm)	
2511703	<b>GED1750030S</b>	3	350	190
2511681	<b>GED1750040S</b>	4	350	210
2511673	<b>GED1750050S</b>	5	350	190

**GED175**

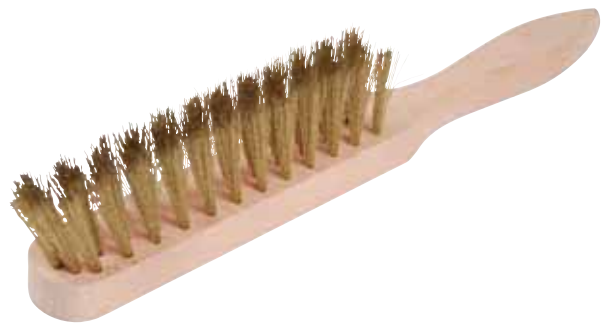
HAND BRUSH tin bronze wire, crimped



Code	No.	Rows	(mm)	
2512335	<b>GED1750008S</b>	3	290	110
2512327	<b>GED1750009S</b>	4	290	130
2512319	<b>GED1750010S</b>	5	290	150

**GED175**

HAND BROOM tin bronze wire, crimped



Code	No.	(mm)	
2505754	<b>GED1750007S</b>	310	320

**GED175**

SCRUBBER

▣ On request with handle



Code	No.	Measurements (mm)	
2509512	<b>GED1752450S</b>	245x65x40	480

**GED175**

BROOM round wire, straight

▣ With handle



Code	No.	Measurements (mm)	
2502836	<b>GED1753000S</b>	300x70x100	1500



**GED121**

**SQUEEGEE**

Wooden, with handle



Code	No.	mm	
2502909	<b>GED1210735S</b>	600	300

**GED176**

**SPARK PLUG BRUSH round wire, straight**



Code	No.	mm	
2522039	<b>GED1761900S</b>	145	25

**GED179**

**CYLINDER BRUSH wire, crimped**



Code	No.	mm	
2522020	<b>GED1790320S</b>	300	42

**GED175**

**BRUSH wire, crimped**



Code	No.	Ø	Shaft height	Shaft Ø
2495678	<b>GED175006S</b>	26	25	6

**GED177**

**ROUND BRUSH tin bronze wire, crimped**



Code	No.	Hole Ø	Ø	
2498758	<b>GED1770150S</b>	22.2	150	520

**GED178**

**CUP BRUSH tin bronze wire, crimped**



Code	No.	Hole Ø	Ø	
2498731	<b>GED1780150S</b>	22.2	125	700



# HATCHETS



\*non-sparking Ex

# SHOVELS



HATCHETS, SHOVELS, SPADES, FORKS NON-SPARKING



\*funkenfrei

**HATCHETS, SHOVELS, SPADES, FORKS  
NON-SPARKING**

**GED716**

**HOE**  
 ▽ With beech handle



Code	No.	↳mm↳	mm↳	↳
2515555	<b>GED7160001S</b>	950	120	2300

**GED145**

**HATCHET**  
 ▽ With hickory handle



Code	No.	↳mm↳	↳
2515539	<b>GED1451000S</b>	450	1300
2515512	<b>GED1451500S</b>	450	1500

**GED146**

**AXE**  
 ▽ With hickory handle



Code	No.	↳mm↳	↳
2515571	<b>GED1467500S</b>	750	1600
2515563	<b>GED1469000S</b>	900	2200

**GED717**

**FIREFIGHTER'S AXE**  
 ▽ With hickory handle  
 ▽ Similar to DIN 14900



Code	No.	↳mm↳	↳
2513129	<b>GED7170000S</b>	800	2600

**GED145**

**FIREFIGHTER'S HATCHET**  
 ▽ With fibreglass handle



Code	No.	↳mm↳	↳
2522071	<b>GED1450900C</b>	400	900

**GED717**

**HAND PICK**



Code	No.	L	W	↳
2514419	<b>GED7170001S</b>	380	225	1000

**GED719**

**MINER'S PICK**  
 ▽ On request with beech handle



Code	No.	↳mm↳	↳
2513110	<b>GED7190001S</b>	400	2200

**GED718**

**FIREMAN'S HOOK**  
 ▽ Similar to DIN 14851  
 ▽ Without handle



Code	No.	L	W	↳
2512165	<b>GED7180001S</b>	380	176	1800

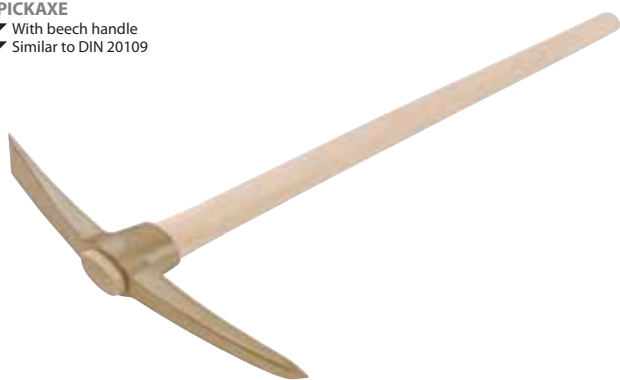




**GED125**

**PICKAXE**

- ▶ With beech handle
- ▶ Similar to DIN 20109




Code	No.	L	W	
2495783	<b>GED1255801S</b>	800	400	2150
2495775	<b>GED1255802S</b>	950	500	3500
2495791	<b>GED1255800S</b>	950	550	4000

**GED152**

**FOLDING SPADE**

- ▶ With beech handle



Code	No.	Blade length	Blade width	$\pm$ mm	
2509555	<b>GED1521260S</b>	320	180	740	1300

**GED126**

**PICKAXE**

- ▶ With beech handle




Code	No.	L	W	
2514613	<b>GED1265600S</b>	950	650	4100

**GED153**

**SHOVEL, FRANKFURT PATTERN**

- ▶ With beech handle



Code	No.	Blade length	Blade width	$\pm$ mm	Handle type	
2495694	<b>GED1531250S</b>	340	260	1400	straight	1850
2522055	<b>GED1531251S</b>	340	260	1150	D	1850

**GED152**

**SPADE**

- ▶ With beech handle



Code	No.	Blade length	Blade width	$\pm$ mm	Handle type	
2514931	<b>GED1521160S</b>	260	180	1250	T	3500
2514915	<b>GED1521161S</b>	260	180	1250	D	3650



**GED150**

**SHOVEL**

▼ With beech handle



Code	No.	Blade length	Blade width	(mm)	Handle type	
2498774	<b>GED1501280S</b>	400	270	1400	straight	1950
2512386	<b>GED1501281S</b>	400	270	1150	D	1950

**GED151**

**MANURE FORK**

▼ With beech handle



Code	No.	Blade length	Blade width	(mm)	
2516810	<b>GED1511600S</b>	330	230	1600	1640

**GED151**

**HAND SHOVEL**

▼ With beech handle



Code	No.	Blade length	Blade width	(mm)	
2513536	<b>GED1510540S</b>	220	180	540	720

**GED151**

**SPADE FORK**

▼ With beech handle



Code	No.	Blade length	Blade width	(mm)	Handle type	
2496348	<b>GED1511000S</b>	290	180	1000	D	1265



**GED151**

**HAY FORK**

With beech handle



Code	No.	Blade length	Blade width	(mm)	
2522063	<b>GED15111005</b>	290	180	1600	1280

**GED151**

**RAKE**

With beech handle



Code	No.	L	W	
2498766	<b>GED15112005</b>	1600	360	1530

**GED151**

**FORK FOR GUNCOTTON**

On request with beech handle



Code	No.	Blade length	Blade width	(mm)	
2519429	<b>GED15113005</b>	140	90	200	600
2519305	<b>GED15114005</b>	250	150	370	1305

**GED000**

**SICKLE**



Code	No.	(mm)	
2515466	<b>GED00010025</b>	250	800



**GED000**

**HEDGE SHEARS**



Code	No.	Blade length	
2513722	<b>GED0001001C</b>	300	1400

# WEDGES,



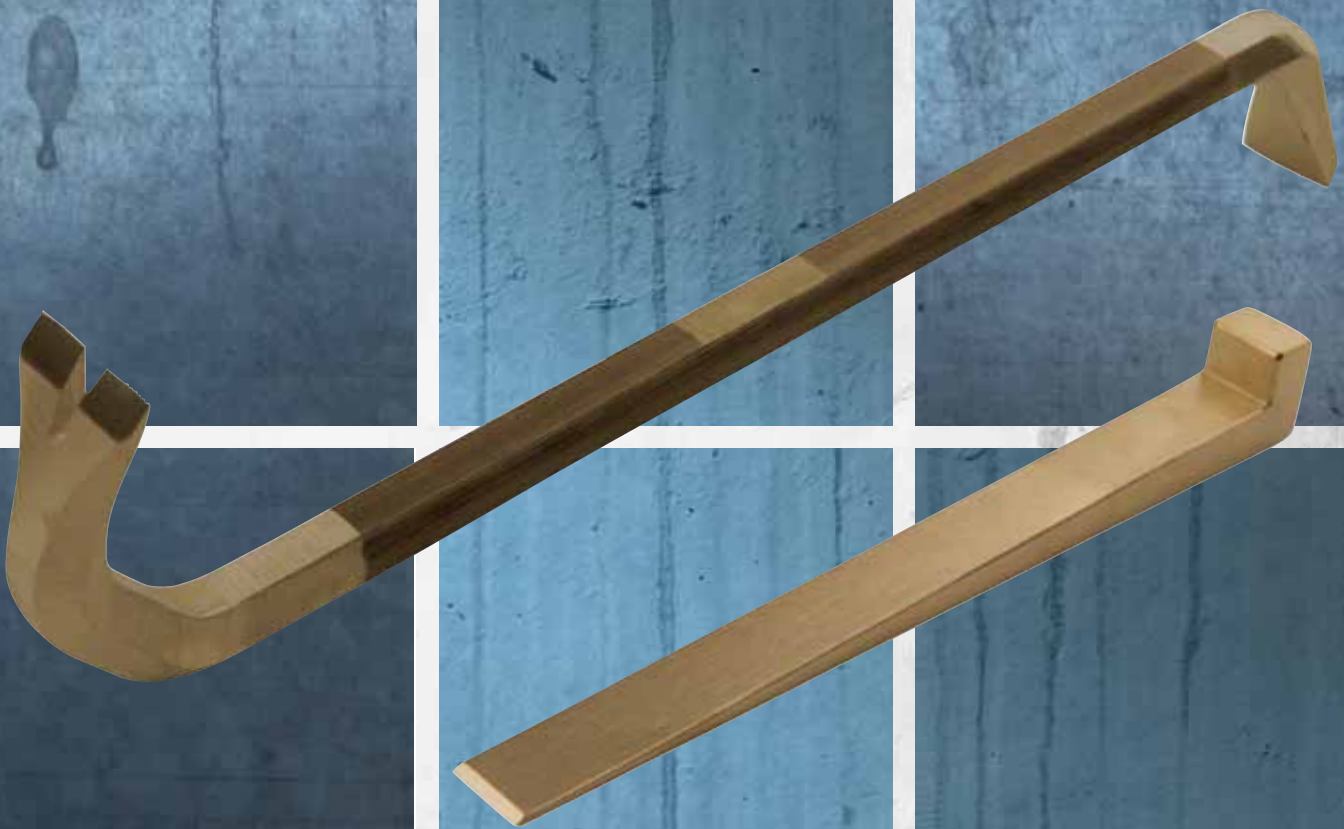
\*funktionsfrei



# CROWBAR



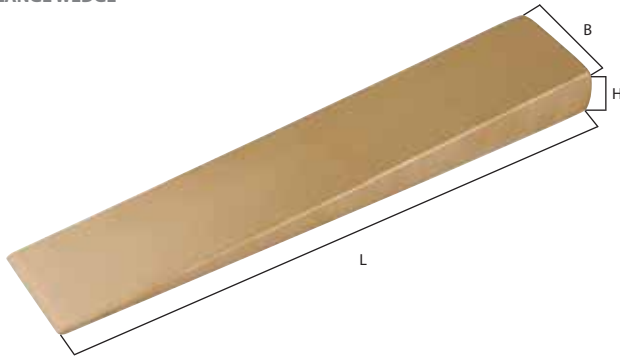
## WEDGES, CROWBARS NON-SPARKING



**WEDGES, CROWBARS NON-SPARKING**

**GED186**

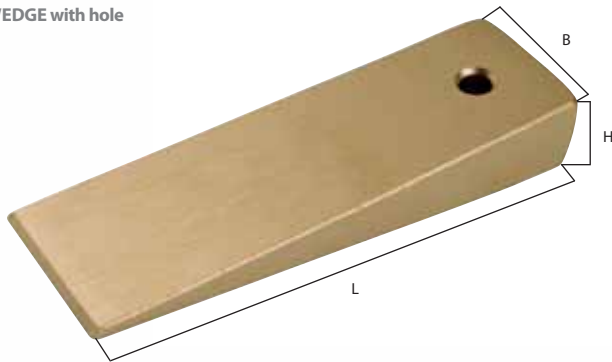
**FLANGE WEDGE**



Code	No.	L	W	H	mm±	mm±
2509504	<b>GED1860010S</b>	80	15	6	40	
2507528	<b>GED1860011S</b>	90	50	10	200	
2505746	<b>GED1860001S</b>	100	50	10	210	
2505673	<b>GED1860006S</b>	105	19	13	100	
2505738	<b>GED1860002S</b>	150	25	13	215	
2505711	<b>GED1860003S</b>	150	30	13	280	
2505665	<b>GED1860007S</b>	150	38	19	400	
2505703	<b>GED1860004S</b>	150	40	13	425	
2505622	<b>GED1860012S</b>	180	32	13	300	
2505614	<b>GED1860013S</b>	180	50	10	400	
2505657	<b>GED1860008S</b>	180	50	19	700	
2505606	<b>GED1860014S</b>	200	38	25	900	
2505592	<b>GED1860015S</b>	200	38	41	1300	
2505649	<b>GED1860009S</b>	200	40	40	1380	
2505584	<b>GED1860016S</b>	200	50	19	800	
2505576	<b>GED1860017S</b>	215	50	32	1400	
2505681	<b>GED1860005S</b>	230	40	20	1000	

**GED185**

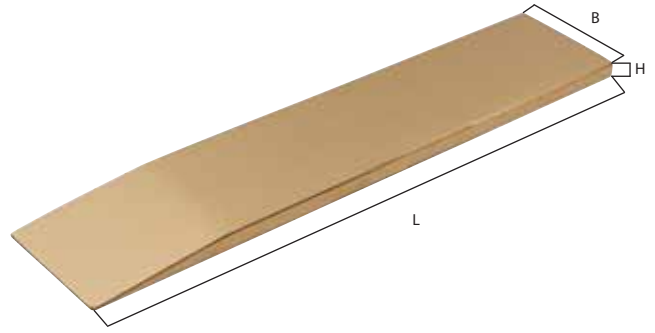
**WEDGE with hole**



Code	No.	L	W	H	Hole Ø	mm±
2498715	<b>GED1851000S</b>	100	30	15	6	220

**GED186**

**SPACE CHISEL**

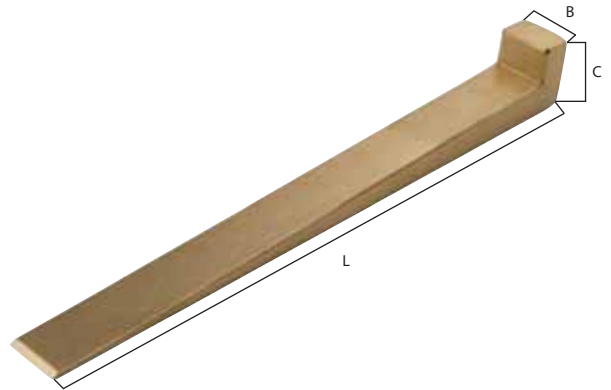


Code	No.	L	W	H	mm±	mm±
2495651	<b>GED1861002S</b>	250	50	5	1.5	200

**GED186**

**GIB-HEAD KEY**

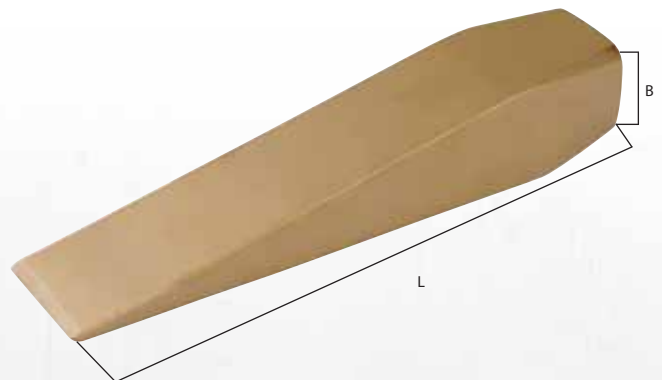
For positive joint between shaft and hub.



Code	No.	L	W	H	Shaft width	Shaft height	mm±
2521466	<b>GED9991034S</b>	340	20	40	20	20	2600
2521989	<b>GED1861001S</b>	340	30	40	20	20	2800
2522004	<b>GED1861000S</b>	400	30	40	40	15	3500

**GED712**

**STONE WEDGE**

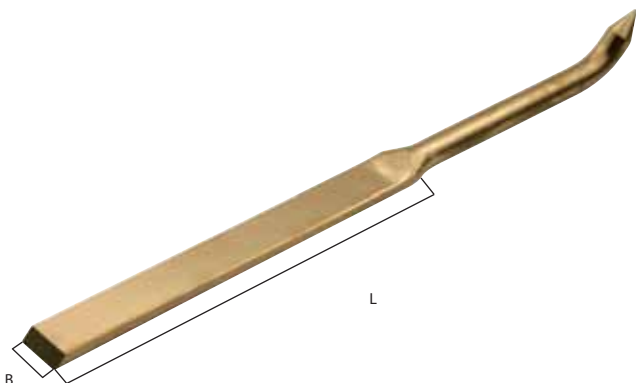


Code	No.	L	W	mm±
2513161	<b>GED7120001S</b>	120	44	1100
2513153	<b>GED7120002S</b>	150	45	1400
2513145	<b>GED7120003S</b>	190	47	2000
2513137	<b>GED7120004S</b>	240	50	3000



**GED720**

FLANGE KNIFE straight, with mandrel



Code	No.	↳mm↳	mm↳	Blade length	↕
2495473	<b>GED7200001S</b>	400	25	220	300

**GED161**

CROWBAR



Code	No.	↳mm↳	●mm	↕
2513935	<b>GED1613000S</b>	300	14	400
2513927	<b>GED1614500S</b>	450	19	1100
2513919	<b>GED1616000S</b>	600	19	1500
2513900	<b>GED1617500S</b>	750	22	2500
2513897	<b>GED1619000S</b>	900	22	3000

**GED720**

FLANGE KNIFE round



Code	No.	↳mm↳	mm↳	Blade length	↕
2495465	<b>GED7200002S</b>	690	30	400	1200
2521695	<b>GED7200003S</b>	1240	40	800	2000

**GED160**

CROWBAR



Code	No.	↳mm↳	●mm	↕
2513994	<b>GED1600450S</b>	450	19	1100
2513986	<b>GED1600600S</b>	600	19	1500
2513978	<b>GED1600750S</b>	750	22	2500
2513951	<b>GED1600900S</b>	900	22	3000
2513455	<b>GED1601000S</b>	1000	22	3300
2513439	<b>GED1601250S</b>	1250	27	6100
2513420	<b>GED1601500S</b>	1500	27	7300
2513412	<b>GED1601800S</b>	1800	30	11100
2513404	<b>GED1602000S</b>	2000	30	12300



**GED161**

WRECKING BAR



Code	No.	↳mm↳	●mm	↕
2513706	<b>GED1610300S</b>	300	14	400
2513587	<b>GED1610450S</b>	450	9	1100
2513447	<b>GED1610600S</b>	600	19	1500
2513323	<b>GED1610750S</b>	750	22	2500
2513218	<b>GED1610900S</b>	900	22	3000

**GED160**

CROWBAR with point and cutting edge



Code	No.	↳mm↳	Ø	↕
2514435	<b>GED1600001S</b>	1000	30	6150
2514311	<b>GED1600002S</b>	1250	30	7700
2514192	<b>GED1600003S</b>	1500	30	9250
2514079	<b>GED1600004S</b>	1800	30	11100
2513943	<b>GED1600005S</b>	2000	30	12300

**GED160**

CROWBAR with point and claw



Code	No.	↳mm↳	Ø	↕↔
2496224	<b>GED1600006S</b>	1000	30	6150
2496100	<b>GED1600007S</b>	1250	30	7700
2495988	<b>GED1600008S</b>	1500	30	9250
2495864	<b>GED1600009S</b>	1800	30	11100
2495740	<b>GED1600010S</b>	2000	30	12300

**GED160**

CROWBAR with cutting edge and ball



Code	No.	↳mm↳	Ø	↕↔
2516799	<b>GED1600011S</b>	1000	30	6150
2516780	<b>GED1600012S</b>	1250	30	7700
2516772	<b>GED1600013S</b>	1500	30	9250
2516764	<b>GED1600014S</b>	1800	30	11100
2516756	<b>GED1600015S</b>	2000	30	12300

**GED160**

CROWBAR with point and ball



Code	No.	↳mm↳	Ø	↕↔
2495627	<b>GED1600016S</b>	1000	30	6150
2495503	<b>GED1600017S</b>	1250	30	7700
2495384	<b>GED1600018S</b>	1500	30	9250
2495260	<b>GED1600019S</b>	1800	30	11100
2495120	<b>GED1600020S</b>	2000	30	12300

**GED162**

LIFTING ROD



Code	No.	↳mm↳	■	↕↔
2514583	<b>GED1620650S</b>	650	20	2000
2514575	<b>GED1620800S</b>	800	20	2700
2513889	<b>GED1621000S</b>	1000	20	3400
2513870	<b>GED1621250S</b>	1250	25	6200
2513862	<b>GED1621500S</b>	1500	25	7700

**GED163**

BENDING BAR



Code	No.	L	s	↕↔	
2513331	<b>GED1632000S</b>	200	5	19	660
2513315	<b>GED1633000S</b>	300	5	19	1000
2513307	<b>GED1634000S</b>	400	5	19	1300
2513293	<b>GED1635000S</b>	500	5	19	1600
2513285	<b>GED1636000S</b>	600	5	19	2000

**GED163**

TYRE LEVER




Code	No.	↳mm↳	↕↔
2513390	<b>GED1630200S</b>	200	350
2513382	<b>GED1630305S</b>	300	470
2513374	<b>GED1630400S</b>	400	600
2513366	<b>GED1630500S</b>	500	770
2513358	<b>GED1630600S</b>	600	900





**GED163**  
TYRE LEVER heavy-duty, offset pattern




Code	No.	l mm	kg
2495686	<b>GED1630610S</b>	600	1000

**GED020**  
CARBIDE DRUM OPENER




Code	No.	l mm	kg
2499797	<b>GED0203000S</b>	300	750

**GED724**  
CRATE OPENER



Code	No.	l mm	kg
2509423	<b>GED7240001S</b>	230	455

**GED092**  
BARREL HOOK



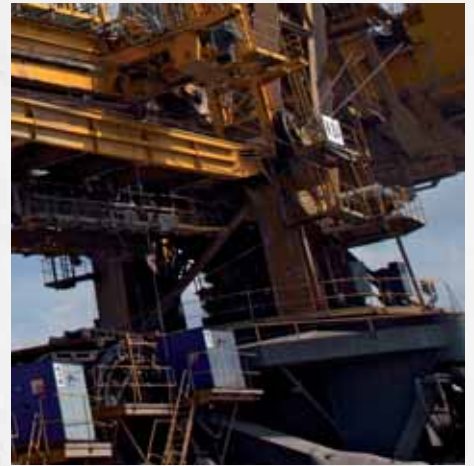
Code	No.	l mm	max. kg	kg
2514710	<b>GED0920600S</b>	1060	600	3800

## Do you know about our individual catalogues... ?

-  @work, Industrial Catalogue
-  Forestry Tools
-  Special Automotive Tools
-  Workshop Equipment



# OTHER HA



**NON  
sparking**



# HAND TOOLS



## OTHER HAND TOOLS NON SPARKING



\*funktionsfrei

**OTHER HAND TOOLS NON-SPARKING**

**GED110**

**HACKSAW**

► For sawblade length 300 mm



Code	No.	↳ mm ◀	↳ mm ◀
2515024	<b>GED1100680S</b>	560	900

**GED111**

**SAWBLADE FOR HACKSAW**



Code	No.	↳ mm ◀	↳ mm ◀
2515288	<b>GED1110300C</b>	300	30

**GED110**

**HAND SAW**



Code	No.	↳ mm ◀	↳ mm ◀
2515105	<b>GED1100681C</b>	370	500

**GED999**

**HAND SAW**



Code	No.	↳ mm ◀	↳ mm ◀
2495376	<b>GED9991024C</b>	700	770

**GED771**

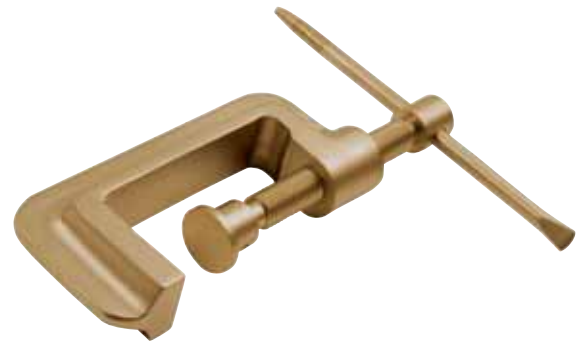
**PIPE CUTTER**



Code	No.	↳ mm ◀	up to Ø mm	↳ mm ◀
2509407	<b>GED7710000S</b>	430	50	2500

**GED180**

**SCREW CLAMP**



Code	No.	↳ mm ◀	mm	↳ mm ◀
2512300	<b>GED1800180S</b>	180	80	3160
2512297	<b>GED1800250S</b>	250	120	4230
2512289	<b>GED1800430S</b>	430	270	13500

**GED180**

**SCREW CLAMP**



Code	No.	↳ mm ◀	mm	↳ mm ◀
2498723	<b>GED1800001S</b>	480	130	2100



**GED180**

SCREW CLAMP WITH DEEP REACH



Code	No.	mm	mm	
2513080	<b>GED1800002S</b>	480	250	3700

**GED170**

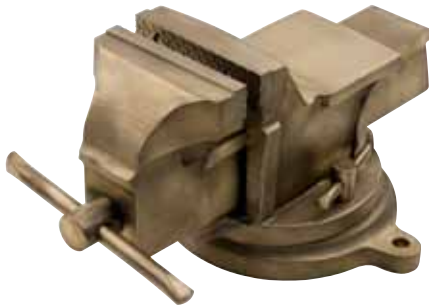
FLAT FILE



Code	No.	mm	Cut	
2513854	<b>GED1701265C</b>	265	1	330
2513846	<b>GED1703265C</b>	265	3	330

**GED156**

PARALLEL VICE



Code	No.	mm	mm	
2513528	<b>GED1560090S</b>	90	100	6500
2513501	<b>GED1560125S</b>	125	130	15500
2513498	<b>GED1560150S</b>	150	150	26500
2513471	<b>GED1560170S</b>	170	170	27400

**GED171**

HALF-ROUND FILE



Code	No.	mm	Cut	
2511738	<b>GED1711260C</b>	260	1	340
2511711	<b>GED1713260C</b>	260	3	340

**GED172**

ROUND FILE



Code	No.	mm	Cut	
2514567	<b>GED1721260C</b>	260	1	175
2514540	<b>GED1723260C</b>	260	3	175

**GED721**

BUCKET



Code	No.	Litre	Material	
2509431	<b>GED7210001S</b>	10	Brass	1460
2505533	<b>GED7210002S</b>	12	Aluminium	740

**GED211**

POCKET VERNIER CALLIPER

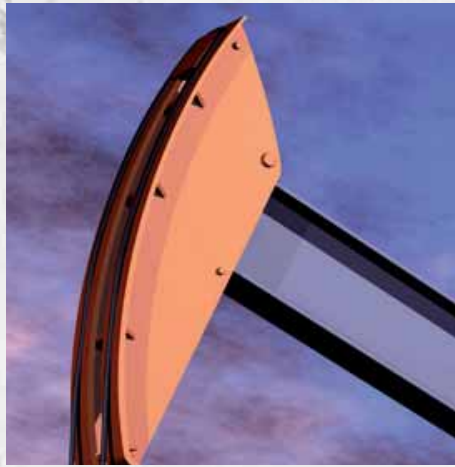
- ▀ Brass model
- ▀ Graduated in mm, vernier 1/20



Code	No.	mm	
2502801	<b>GED2110000S</b>	150	165



# SPECIALIT



# TIES



## SPECIALITIES NON-SPARKING

\*funkenfrei  
SPARKING



**SPECIALITIES NON-SPARKING**

**GED181**

**SHACKLE**



Code	No.	Measurements	↕↔
2514524	<b>GED1810002C</b>	30 x 40	100
2514516	<b>GED1810003C</b>	37 x 78	150

**GED999**

**SAFETY RING FOR HAMMERS**



Code	No.	Use
2516713	<b>GED9991016S</b>	> 2 kg
2516705	<b>GED9991017S</b>	2 - 6 kg

**GED181**

**HEARING NEEDLE**



Code	No.	↳mm↔	∅	↕↔
2514508	<b>GED1810006C</b>	250	6	85
2514494	<b>GED1810007C</b>	300	8	150
2514486	<b>GED1810008C</b>	400	7	160
2513811	<b>GED1810009C</b>	500	10	335

**GED181**

**HEARING NEEDLE WITH BALLHEAD**



Code	No.	↳mm↔	∅	↕↔
2522012	<b>GED1810005C</b>	500	6	130

**GED181**

**NEEDLES**



Code	No.	↳mm↔	∅	↕↔
2515091	<b>GED1810004C</b>	180	3	15

**GED073**

**PLASTIC TWEEZERS**



Code	No.	↳mm↔	↕↔
2499096	<b>GED0731110S</b>	100	15

**GED073**

**TWEEZERS POINTED**



Code	No.	↳mm↔	↕↔
2511819	<b>GED0731111S</b>	150	30

**GED073**

**TWEEZERS EDGELESS**



Code	No.	↳mm↔	↕↔
2510154	<b>GED0731112S</b>	100	30

**GED186**

**FLANGE SPREADER**



Code	No.	a	b	c	d	↳mm↔	↕↔
2513277	<b>GED1860018S</b>	60	60	40	46	300	7200





**GED724**

**DRAWING KNIFE**

► For reworking and fitting squared timber and de-barking tree trunks



Code	No.	↳mm↳	Cutting width	↳↳
2514834	<b>GED7240004S</b>	650	250	1500

**GED999**

**TWIST DRILL SET 15 pieces**



Code	No.	Contents	↳↳
2513730	<b>GED9991075C</b>	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 mm	4000

**GED999**

**PORTABLE, HAND-OPERATED OIL PUMP**

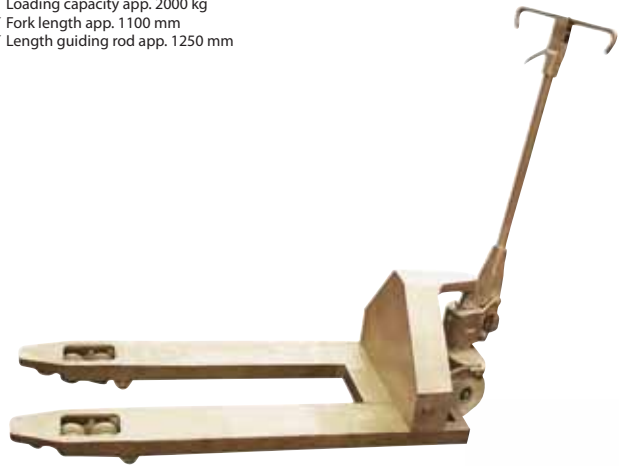


Code	No.	↳mm↳	↳↳
2495368	<b>GED9991057S</b>	1350	5000

**GED999**

**FORKLIFT**

► Loading capacity app. 2000 kg  
 ► Fork length app. 1100 mm  
 ► Length guiding rod app. 1250 mm



Code	No.	↳↳
2515598	<b>GED9991081S</b>	12000

**GED999**

**TWIST DRILL**



Code	No.	↳mm↳	Ø	↳↳
2515504	<b>GED9991060C</b>	100	6	20
2515490	<b>GED9991061C</b>	120	7	30
2515482	<b>GED9991062C</b>	140	8	50
2515474	<b>GED9991063C</b>	160	9	75
2515342	<b>GED9991064C</b>	180	10	100
2515334	<b>GED9991065C</b>	200	11	120
2515326	<b>GED9991066C</b>	220	12	170
2515318	<b>GED9991067C</b>	240	13	220
2515296	<b>GED9991068C</b>	260	14	280
2515261	<b>GED9991069C</b>	280	15	360
2515253	<b>GED9991070C</b>	300	16	440
2515245	<b>GED9991071C</b>	300	17	500
2515237	<b>GED9991072C</b>	320	18	600
2515229	<b>GED9991073C</b>	320	19	700
2515210	<b>GED9991074C</b>	330	20	800

**GED999**

**PULLEY**



Code	No.	Execution	max. t	↳↳
2521482	<b>GED9991018S</b>	2 chains each 2.5 m	0.5	10200
2495406	<b>GED9991019S</b>	2 chains each 2.5 m	1.0	13600
2521474	<b>GED9991020S</b>	2 chains each 2.5 m	1.5	15600
2495392	<b>GED9991021S</b>	2 chains each 2.5 m	2.0	22000
2502593	<b>GED9991022S</b>	2 chains each 3 m	3.0	23600
2502585	<b>GED9991023S</b>	2 chains each 3 m	5.0	36000
2498553	<b>GED9991055S</b>	2 chains each 3 m	10.0	68500
2498545	<b>GED9991056S</b>	2 chains each 3 m	16.0	187000



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