



# FOR DEEP INCISIONS - HOLE SAWS

Clear the way for cables and electrical connections. Our Greenlee hole saws offer a long-term precise solution. Reinforced back plate reduces vibrations. Saving you effort and ensuring precise concentricity. HSS bi-metal hole saws are suitable for processing steel sheet, cast iron, brass and other materials.



#### In brief

- ▶ Reduced vibrations thanks to reinforced back plate
- ▶ Long service life due to high-performance steel
- ▶ Suitable for numerous materials
- ▶ For multi-functional use, please note our universal tools

## ► HSS bi-metal hole saws

No material is safe from the HSS bi-metal hole saws. Very hard high-performance steel (M 42) for clean and reliable prolonged operation.

- Precise cut with positive pitch
- Reinforced back plate reduces vibrations
- High true running accuracy

- Cooling slots for low heat build-up
- Saws up to a cut depth of of 41.3 mm
- Improved service life due to tooth hardness Rc65-68
- Suitable for steel sheet, cast iron, brass, fibreglass, wood and plastic



## ► Set of hole saws: HSS bi-metal hole saw set

The hole saw set gives you all standard sizes tidily combined. Well sorted and perfectly protected.

- All standard sizes of hole saws
- Manufactured from M42 high-performance steel
- Including accessories
- Securely stowed in a robust case



## HSS Bi-metal hole saws



- ▶ Vibration-reduction and high true running accuracy due to thick back section
- ▶ High-quality serration easily assured, precise cut
- ▶ Cooling slots ensure low heat build-up
- ▶ No canting when sawing

### Characteristics

- High-quality, rake variable pitch design provides faster, easier cutting
- High true running accuracy
- Max. cutting depth 41.3 mm
- Tooth hardness Rc 65 - 68

### Suitable for

- Mild steel, cast iron, brass, aluminium, fibreglass, wood, VA sheet and plastic

### Additional information

- Arbors have to be ordered separately, not included in scope of supply

Punch size mm	Standard size Pg	Standard size ISO	Weight g	Recommended cutting speed r.p.m. for						Part No.
				steel sheet	tool and stainless steel	cast iron	non-ferrous metal	aluminium	wood	
14			46	580	300	400	790	900	800	<b>50191314</b>
15			46	580	300	400	790	900	800	<b>52057722</b>
16	Pg 9	ISO 16	46	550	275	365	730	825	760	<b>52057723</b>
17			46	500	250	330	665	750	720	<b>52057724</b>
18			46	500	250	330	665	750	720	<b>52057725</b>
19	Pg 11		46	460	230	300	600	690	680	<b>52057726</b>
20		ISO 20	46	445	220	290	580	660	640	<b>52057727</b>
21	Pg 13		46	425	195	280	560	635	580	<b>52057728</b>
22	Pg 16		46	390	195	260	520	585	560	<b>52057729</b>
23			46	380	190	250	510	570	540	<b>52057730</b>
24			46	370	185	245	494	555	520	<b>52057731</b>
25		ISO 25	46	350	175	235	470	525	500	<b>52057732</b>
26			46	325	160	215	435	480	500	<b>52057733</b>
27			46	300	150	200	400	450	450	<b>52057734</b>
28			46	300	150	200	400	450	450	<b>52057735</b>
29	Pg 21		91	285	145	190	380	425	430	<b>52057736</b>
30			91	270	140	180	360	410	410	<b>52057737</b>
32		ISO 32	91	270	140	180	360	410	410	<b>52057738</b>
33			46	250	125	165	330	375	370	<b>52057739</b>
35			46	240	120	160	315	360	30	<b>52057740</b>
36			91	240	120	160	315	360	30	<b>52057741</b>
37	Pg 29		91	230	115	150	300	345	330	<b>52057742</b>
38			91	220	110	145	290	330	310	<b>52057743</b>
40		ISO 40	91	210	110	140	280	315	290	<b>52057744</b>
41			91	205	105	135	270	305	270	<b>52057745</b>
42			137	205	105	135	270	305	270	<b>52057746</b>
43			91	195	100	130	260	295	250	<b>52057747</b>
44			91	190	95	125	250	285	230	<b>52057748</b>
45			91	190	95	125	250	285	230	<b>52057749</b>
46			137	180	90	120	240	270	210	<b>52057750</b>
48	Pg 36		91	180	90	120	240	270	210	<b>52057751</b>
50		ISO 50	91	170	85	115	230	255	200	<b>52057752</b>
51			137	165	80	110	220	245	200	<b>52057753</b>

Punch size mm	Standard size Pg	Standard size ISO	Weight g	Recommended cutting speed r.p.m. for						Part No.
				steel sheet	tool and stainless steel	cast iron	non-ferrous metal	aluminium	wood	
53			137	160	80	105	210	240	190	52057755
54	Pg 42		137	160	80	105	210	240	190	52057756
55			137	150	75	100	200	225	185	52057757
57			227	150	75	100	195	225	185	52057758
59			137	140	70	95	190	220	180	52057760
60	Pg 48		137	135	70	90	180	205	180	52057761
63		ISO 63	182	130	65	85	175	200	175	52057762
64			182	130	65	85	175	200	175	52057801
65			182	130	65	85	170	195	170	52057763
67			182	125	60	80	160	185	165	52057764
68			182	125	60	80	160	185	160	52057765
70			182	120	55	80	160	180	160	52057766
73			182	115	55	75	150	170	150	52057767
74			182	115	55	75	150	170	150	52057768
75			227	115	55	75	150	170	150	52057769
76			227	110	55	70	140	165	145	52057770
79			227	120	55	70	140	165	165	52057802
80			227	110	55	70	140	165	145	52057771
83			273	105	50	70	140	155	140	52057773
86			273	100	50	65	130	150	135	52057774
89			273	95	45	65	130	145	130	52057775
92			273	95	45	60	120	130	120	52057776
95			318	95	45	60	120	135	110	52057777
98			318	90	40	60	120	135	110	52057778
102			318	85	10	55	110	130	100	52057779
105			363	80	40	55	110	120	110	50191772
108			363	80	40	55	110	120	110	50191780
111			363	80	40	50	100	120	110	50191799
114			409	75	40	50	100	105	100	50191802
121			499	75	35	50	95	95	100	50191810
127			545	65	35	45	90	90	100	50191829
140			545	60	35	35	85	85	100	50191837
152			636	55	35	35	75	75	100	50191845
168			701	55	35	35	68	65	100	52057803
177			728	55	35	35	65	65	100	52057804
210			820	55	35	25	55	55	100	52057805

## HSS Bi-metal hole saw set



- ▶ Saves time thanks to low vibration and heat development
- ▶ Variable pitch for an uniform cut
- ▶ Requires minimal effort when drilling

### Characteristics

- High true running accuracy
- Less effort when cutting

### Suitable for

- Metal, brass, fibreglass, non-ferrous metal, cast iron, aluminium, wood and plastics, stainless steel sheet

Item	Part No.
HSS bi-metall hole saw set Elektro II	<b>52059292SET</b>
HSS bi-metal universal hole saw set	<b>52059293SET</b>
HSS bi-metal hole saw set ISO 16 to 63	<b>50069497SET</b>
HSS bi-metal plumbing hole saw set	<b>52059294SET</b>
HSS bi-metal hole saw set (830 PG)	<b>50292099SET</b>
HSS bi-metal electrical hole saw set	<b>52059295SET</b>
Electro set with countersink 35/68/75 mm	<b>50125630SET</b>

Description	Nominal size mm	Standard size		Hole set						
		Pg	ISO	52059292SET Elektro II	52059293SET Universal	50069497SET ISO 16-63	52059294SET Plumbing	50292099SET 830PG	52059295SET Standard	50125630SET Elektro
Bi-metal hole saw	16	Pg 9			●			●	●	
	17		ISO 16			●				
	19	Pg 11			●		●	●	●	
	21	Pg 13	ISO 20			●		●		
	22	Pg 16		●	●			●	●	
	24						●			
	25		ISO 25		●	●				
	29	Pg 21		●	●		●	●	●	
	30							●		
	33		ISO 32			●				
	35			●	●				●	●
	37	Pg 29						●		
	38				●		●			
	41		ISO 40			●				
	44			●	●		●		●	
	48	Pg 36						●		
	51		ISO 50	●	●	●				
	52								●	
	57						●		●	
	60	Pg 48						●		
	63		ISO 63	●	●	●				
	67						●		●	
	68			●						●
	75									●
	76				●					
Countersink for Hole Saw 68 mm										●
Arbor 14 to 30 mm				●	●	●	●	●	●	
Arbor 32 to 152 mm				●	●	●	●	●	●	●
Case				●	●	●	●	●	●	●

## Electro set with countersink



### Characteristics

- Countersink with two specially-hardened cutting teeth

### Suitable for

- Steel, non-ferrous metal, aluminium, cast iron, stainless steel, wood, plastic and building materials

### Scope of supply

- Consisting of hole saws 35 mm, 68 mm, 75 mm, countersink for 68 mm hole saw, arbor with pilot drill and counter nut for hole saws 32 - 152 mm and spare HSS pilot drill 6.35 mm dia.

Item	Part No.	
Electro set with countersink 35/68/75 mm	<b>50125630SET</b>	
Scope of supply	Part No.	Page
HSS bi-metal hole saw 35 mm	52057740	450
HSS bi-metal hole saw 68 mm	52057765	451
HSS bi-metal hole saw 75 mm	52057769	451
Countersink for hole saws	52033839	
Arbor for HSS bi-metal hole saws 8.6 mm	52057781	454
Plastic case	52059258	



### Arbor for HSS bi-metal hole saws 14 - 30 mm



#### Suitable for

- Sizes from 14 - 30 mm

Item	Part No.
Arbor 6.3 mm	<b>50371576</b>
Arbor for HSS bi-metal hole saws 7.9 mm	<b>50385224</b>
Arbor 8.6 mm	<b>52057780</b>
Arbor 11.1 mm	<b>50371550</b>

### Arbor for HSS bi-metal hole saws 32 - 152 mm



#### Suitable for

- Sizes from 32 - 51 mm
- Sizes from 32 - 152 mm

Item	Part No.
Arbor 7.9 mm for HSS bi-metal hole saws 32 - 51 mm	<b>50371541</b>
Arbor 8.6 mm for HSS bi-metal hole saws 32 - 152 mm	<b>52057781</b>
Arbor 11.1 mm for HSS bi-metal hole saws 32 - 152 mm	<b>50371568</b>

### SDS arbor for HSS bi-metal hole saws



#### Suitable for

- Sizes from 32 - 152 mm
- Sizes from 14 - 30 mm

Item	Part No.
SDS arbor for HSS bi-metal hole saws 14 - 30 mm	<b>50069691</b>
SDS arbor for HSS bi-metal hole saws 32 - 152 mm	<b>50069292</b>

### Replaceable pilot drill for arbor HSS bi-metal hole saws



Item	Part No.
Replaceable pilot drill for arbor HSS bi-metal hole saws	<b>52057782</b>

