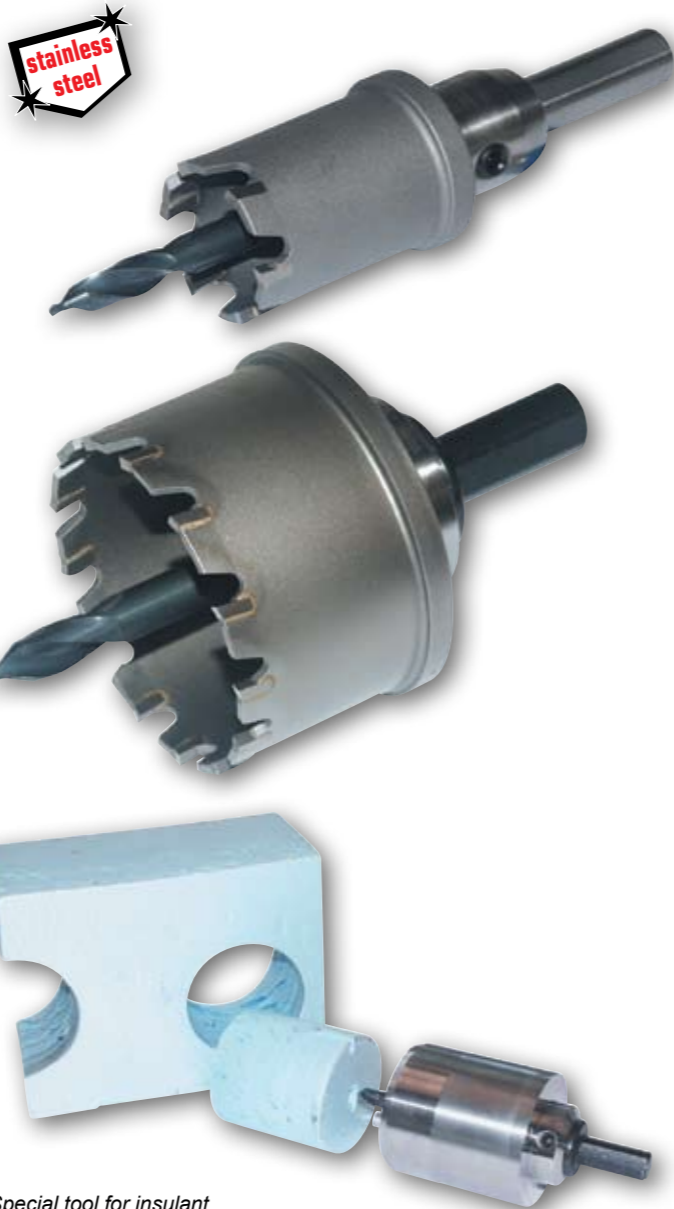
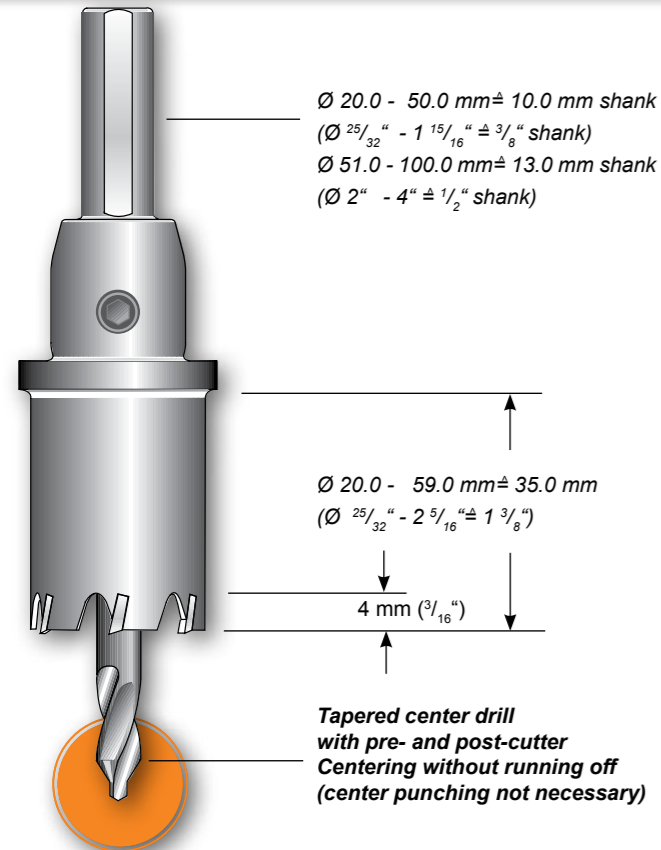




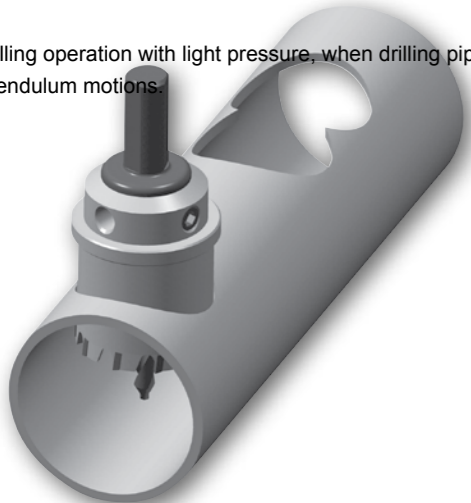
ALFRA TCT-Hole Saws – Long Type

Made in Germany by ALFRA



- Features:**
- Especially developed for the use on pipes, vaulted materials, for unalloyed and alloyed steels, nonferrous metals, plastics as well as glass fibre reinforced plastic.
 - For material thickness up to 4 mm ($\frac{3}{16}''$), 2 mm ($\frac{1}{16}''$) stainless steel.
 - For use on hand drilling machines, recommended up to max. $\varnothing 40 \text{ mm}$ ($1 \frac{9}{16}''$) or stationary machines.

- Tips:**
- Start drilling operation with light pressure, when drilling pipes. Avoid pendulum motions.



Special tools for special applications on request!



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\varnothing mm	\varnothing Inch	No. of teeth	Prod.-No. mm	Prod.-No. Inch
20.0		5	0700200	
20.4				
21.0	13/16"	5	0700210	0710210
22.0		5	0700220	
22.5				
23.0	7/8"	5	0700230	0710230
24.0	15/16"	6	0700240	0710240
25.0		6	0700250	
26.0	1"	6	0700260	0710260
27.0	1-1/16"	6	0700270	0710270
28.0		6	0700280	
28.3				
29.0	1-1/8"	6	0700290	0710290
30.0	1-3/16"	6	0700300	0710300
31.0		8	0700310	
32.0	1-1/4"	8	0700320	0710320
33.0		8	0700330	
34.0	1-5/16"	8	0700340	0710340
35.0	1-3/8"	8	0700350	0710350
36.0		8	0700360	
37.0	1-7/16"	8	0700370	0710370
38.0		8	0700380	
39.0	1-1/2"	8	0700390	0710390
40.0	1-9/16"	10	0700400	0710400
41.0		10	0700410	
42.0	1-5/8"	10	0700420	0710420
43.0	1-11/16"	10	0700430	0710430
44.0		10	0700440	
45.0	1-3/4"	10	0700450	0710450

\varnothing mm	\varnothing Inch	No. of teeth	Prod.-No. mm	Prod.-No. Inch
46.0		10	0700460	
47.0	1-13/16"	10	0700470	0710470
48.0	1-7/8"	10	0700480	0710480
49.0		10	0700490	
50.0	1-15/16"	12	0700500	0710500
51.0	2"	12	0700510	0710510
52.0		12	0700520	
53.0	2-1/16"	12	0700530	0710530
54.0	2-1/8"	12	0700540	0710540
55.0		12	0700550	
56.0	2-3/16"	12	0700560	0710560
57.0	2-1/4"	12	0700570	0710570
58.0		12	0700580	
59.0	2-5/16"	12	0700590	0710590
60.0	2-3/8"	14	0700600	0710600
61.0		14	0700610	
62.0	2-7/16"	14	0700620	0710620
63.0		14	0700630	
64.0	2-1/2"	14	0700640	0710640
65.0		14	0700650	
66.0	2-9/16"	14	0700660	0710660
67.0	2-5/8"	16	0700670	0710670
68.0		16	0700680	
69.0	2-11/16"	16	0700690	0710690
70.0	2-3/4"	16	0700700	0710700
71.0		16	0700710	
72.0	2-13/16"	16	0700720	0710720
73.0	2-7/8"	16	0700730	0710730
74.0	2-15/16"	16	0700740	0710740

\varnothing mm	\varnothing Inch	No. of teeth	Prod.-No. mm	Prod.-No. Inch
75.0		16	0700750	
76.0	3"	18	0700760	0710760
77.0		18	0700770	
78.0	3-1/16"	18	0700780	0710780
79.0	3-1/8"	18	0700790	0710790
80.0		18	0700800	
81.0	3-3/16"	18	0700810	0710810
82.0		18	0700820	

HSS-Spare Drill

with tapered center tip

- von $\varnothing 20.0 - 59.0 \varnothing 6 \times 80 \text{ mm}$ 0702680
- von $\varnothing 60.0 - 100.0 \varnothing 8 \times 100 \text{ mm}$ 0702800

MT Arbors

- MT-2 (ab $\varnothing 31.0$) 0734002
- MT-3 (ab $\varnothing 31.0$) 0734003

SDS Arbor

Highly recommended accessories – coolant and lubricant!

ALFRA BIO 2000

is a fully synthetic cutting oil, developed for high-quality cutting, threading and drilling of metals of any degree of hardness, ferrous metal, steel alloys, stainless steel, copper, aluminium and their alloys.

ALFRA BIO 2000 is free of hydrocarbon, sulphur and chlorine.

Aerosol can 405 ml 21010

ALFRA 3000

Universal metal working oil free of chlorine. High-performance drilling, broaching and cutting fluid, petroleum-based, for moderately difficult and difficult to cut steels. With a high proportion of active ingredients to ensure optimum cutting performance and significantly reduced tool wear. It meets occupational health

and safety requirements. We recommend to use ALFRA 3000 especially for the drilling and threading of high-alloy steel and chrome nickel steel.

Aerosol can 520 ml 21030