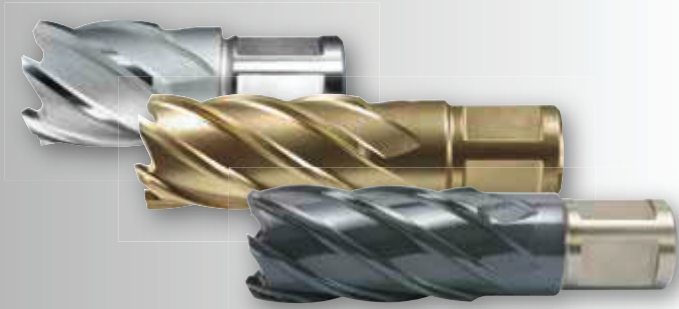


ALFRA CORE DRILLS - SPEED OVERVIEW

For HSS and HSS-Co core drills



Material	unalloyed steel Up to 700 N/mm ²	alloyed steel Up to 1000 N/mm ²	aluminium alloy
Vc=m/min	30	20	30
Cooling lubricant	Cutter oil	Cutting oil	Cutting oil
Ø mm	Ø "rpm	Cutting oil rpm	Cutting oil

For TCT core drills



Material	unalloyed steel Up to 700 N/mm ²	alloyed steel Up to 1000 N/mm ²	aluminium alloy
Vc=m/min	50	35	60
Cooling lubricant	Cutter oil	Cutting oil	Cutting oil
Ø mm	Ø "rpm	Cutting oil rpm	Cutting oil

Not suitable for automatic feed!

12	15/32	796	531	796
13	33/64	735	490	735
14	35/64	682	455	682
15	19/32	637	425	637
16	5/8	597	398	597
17	43/64	562	375	562
18	45/64	531	354	531
19	3/4	503	335	503
20	25/32	478	318	478
21	53/64	455	303	455
22	7/8	434	290	434
23	29/32	415	277	415
24	15/16	398	265	398
25	63/64	382	255	382
26	1 1/32	367	245	367
27	1 1/16	354	236	354
28	1 3/32	341	227	341
29	1 9/64	329	220	329
30	1 3/16	318	212	318
31	1 7/32	308	205	308
32	1 17/64	299	199	299
33	1 19/64	290	193	290
34	1 11/32	281	187	281
35	1 3/8	273	182	273
36	1 27/64	265	177	265
37	1 29/64	258	172	258
38	1 1/2	251	168	251
39	1 17/32	245	163	245
40	1 37/64	239	159	239
41	1 39/64	233	155	233
42	1 21/32	227	152	227
43	1 11/16	222	148	222
44	1 47/64	217	145	217
45	1 25/32	212	142	212
46	1 13/16	208	138	208
47	1 55/64	203	136	203
48	1 57/64	199	133	199
49	1 15/16	195	130	195
50	1 31/32	191	127	191
60	2 3/8	159	106	159

Not suitable for automatic feed!

18	45/64	885	619	1062
19	3/4	838	587	1006
20	25/32	796	557	955
21	53/64	758	531	910
22	7/8	724	507	869
23	29/32	692	485	831
24	15/16	663	464	796
25	63/64	637	446	764
26	1 1/32	612	429	735
27	1 1/16	590	413	708
28	1 3/32	569	398	682
29	1 9/64	549	384	659
30	1 3/16	531	372	637
31	1 7/32	514	360	616
32	1 17/64	498	348	597
33	1 19/64	483	338	579
34	1 11/32	468	328	562
35	1 3/8	455	318	546
36	1 27/64	442	310	531
37	1 29/64	430	301	531
38	1 1/2	419	293	503
39	1 17/32	408	286	490
40	1 37/64	398	279	478
41	1 39/64	388	272	466
42	1 21/32	379	265	455
43	1 11/16	370	259	444
44	1 47/64	362	253	434
45	1 25/32	354	248	425
46	1 13/16	346	242	415
47	1 55/64	339	237	407
48	1 57/64	332	232	398
49	1 15/16	325	227	390
50	1 31/32	318	223	382
55	2 5/32	290	203	347
60	2 3/8	265	186	318
65	2 9/16	245	171	294
70	2 3/4	227	159	273
75	2 61/64	212	149	255
80	3 5/32	199	139	239
85	3 11/32	187	131	225
90	3 25/64	177	124	212
95	3 47/64	168	117	201
100	3 15/16	159	111	191

When drilling Hardox, we recommend using ASP 30 / ASP 60 core drills. Use pure cutting oil for the drilling of Hardox and reduce the speed by 10% appr., as in the column "Alloyed steel up to 1000 N/mm²". Use only magnetic drills with high holding force or column drilling and milling machines.