



WHEN YOU WANT THE BEST... MAKE IT<sup>®</sup>

**ALFRA ROTABEST**

**Made in  
Germany**

- ▶ HSS-Co
- ▶ ASP-30 RAIL





# Reach for MAGNETIC CORE DRILLING MACHINES + CUTTERS BELONG TOGETHER. PERFECTLY TUNED WITH EACH OTHER.

MANUFACTURER'S COMPETENCE  
25 YEARS OF EXPERIENCE

### Advantages of ALFRA ROTABEST HSS-Co Cutters **100% German Special Steel !!!**

**Design** Specially designed cutting geometry

**Advantages**

- Immediate centering
- No running off center
- Good concentricity
- Suitable for NC and CNC machines

**Design** Optimum regular chip break

**Advantages**

- Smooth cutting
- Excellent cutting capacity
- Good chip production at each tooth
- Regular chip flow

**Design** Minimum cross section of chip removing surface

**Advantages**

- Easy cutting
- Low torque
- Minimum demand for energy

**Design** High tooth hardness due to optimum raw material and special heat treatment

**Advantages**

- Long tool life
- Also suitable for material difficult to cut

**Design** High toughness of cutter, graduated hardness levels.

**Advantages**

- Low risk of tool break, especially under rough working conditions

Industrial scale manufacturing by state-of-the-art CNC technology

- Best reproducibility
- Constant quality



Cutter X-Ray for demonstration.



### ROTABEST® HSS-Co CUTTERS

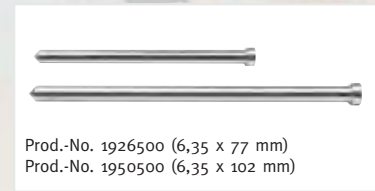
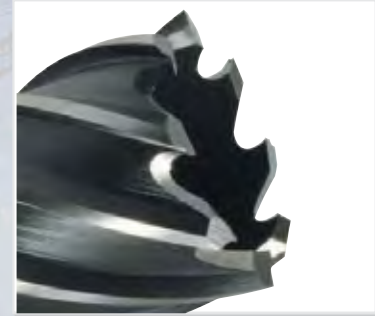


WITH WELDON-SHANK 3/4" - MADE IN GERMANY

- With universal shank Weldon 3/4"
- Internal bore 1/4"
- Steel quality: special quality high speed steel with cobalt
- Ground section: high performance toothing with pre- and post cutter.

**suitable for:** ALFRA Rotabest® (Weldon), ALFRA-RotaQuick® quick change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach as well as for all types of magnet drilling machines with Weldon arbor.

Ø Inch Cutting depth	Ø Metric mm	Prod.-No. 1"	Prod.-No. 2"	Prod.-No. 3"	Prod.-No.* 4"
7/16"	11	99 111	-	-	-
	12	99121	99122	-	-
1/2"	13	99131	99132	-	-
	14	99141	99142	-	-
9/16"	15	99151	99152	-	-
5/8"	16	99161	99162	-	-
	17	99171	99172	-	-
11/16"	18	99181	99182	99183	99184
3/4"	19	99191	99192	99193	99194
	20	99201	99202	99203	99204
13/16"	21	99211	99212	99213	99214
	22	99221	99222	99223	99224
7/8"	23	99231	99232	99233	99234
15/16"	24	99241	99242	99243	99244
	25	99251	99252	99253	99254
1"	26	99261	99262	99263	99264
1-1/16"	27	99271	99272	99273	99274
	28	99281	99282	99283	99284
1-1/8"	29	99291	99292	99293	99294
	30	99301	99302	99303	99304
1-3/16"	31	99311	99312	99313	99314
1-1/4"	32	99321	99322	99323	99324
	33	99331	99332	99333	99334
1-5/16"	34	99341	99342	99343	99344
1-3/8"	35	99351	99352	99353	99354
	36	99361	99362	99363	99364
1-7/16"	37	99371	99372	99373	99374
	38	99381	99382	99383	99384
1-1/2"	39	99391	99392	99393	99394
1-9/16"	40	99401	99402	99403	99404
	41	99411	99412	99413	99414
1-5/8"	42	99421	99422	99423	99424
1-11/16"	43	99431	99432	99433	99434
	44	99441	99442	99443	99444
1-3/4"	45	99451	99452	99453	99454
	46	99461	99462	99463	99464
1-13/16"	47	99471	99472	99473	99474
1-7/8"	48	99481	99482	99483	99484
	49	99491	99492	99493	99494
1-15/16"	50	99501	99502	99503	99504
2"	51	99511	99512	99513	99514
2-1/16"	52	99521	99522	99523	99524
	53	99531	99532	99533	99534
2-1/8"	54	99541	99542	99543	99544
	55	99551	99552	99553	99554
2-3/16"	56	99561	99562	99563	99564
2-1/4"	57	99571	99572	99573	99574
	58	99581	99582	99583	99584
2-5/16"	59	99591	99592	99593	99594
2-3/8"	60	99601	99602	99603	99604
Ejector pin		1926500 1/4" x 3-1/8"	1950500 1/4" x 3-15/16"	1960600 1/4" x 5-1/4"	1970700 1/4" x 6-1/4"



Prod.-No. 1926500 (6,35 x 77 mm)  
Prod.-No. 1950500 (6,35 x 102 mm)

Stack drilling geometry available on request

**ALFRA – separates the tools from the toys**

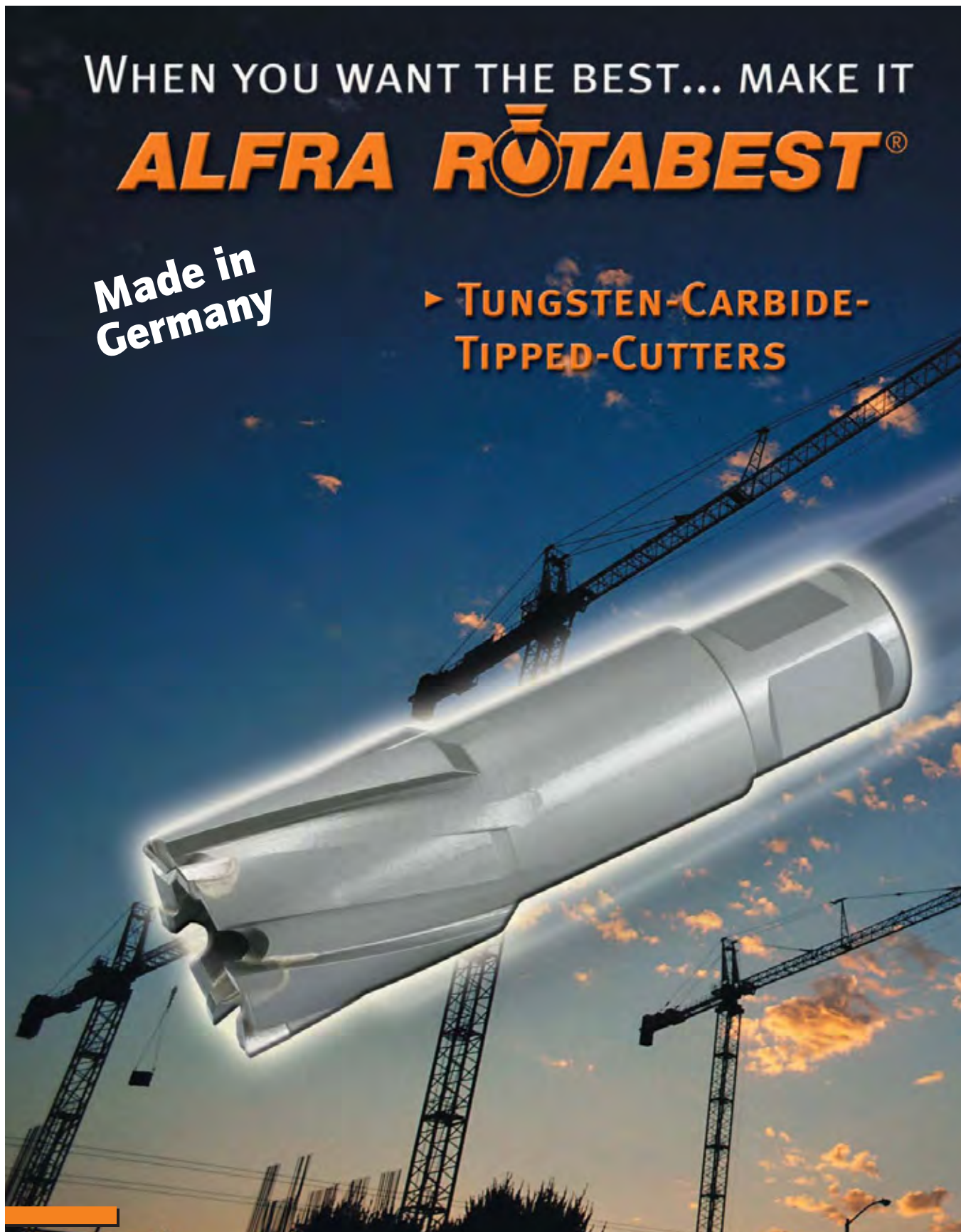


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▶ **TUNGSTEN-CARBIDE-  
TIPPED-CUTTERS**





### ROTA-QUICK® TUNGSTEN-CARBIDE-TIPPED CUTTERS



WITH RQ-SHANK 3/4"

- Internal bore: 5/16"
- Ground section: high performance toothing with pre-, middle- and post cutter
- For highest requirements in capacity and tool life.
- These tools can also be used on all Magnet Drilling Machines with Weldon-arbor.

**Suitable for:**  
all Magnet Drilling Machines with Weldon arbor ALFRA Rotabest® (Weldon), ALFRA-RotaQuick® quick change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach



Ø Inch	Ø Metric mm	Prod.-No.	Prod.-No.	Prod.-No.*
Cutting depth		1-3/8"	2"	3"
1/2"	13	201335	20132	-
	14	201435	20142	-
9/16"	15	201535	20152	-
5/8"	16	201635	20162	-
	17	201735	20172	-
11/16"	18	201835	20182	20183
3/4"	19	201935	20192	20193
	20	202035	20202	20203
13/16"	21	202135	20212	20213
	22	202235	20222	20223
7/8"	23	202335	20232	20233
15/16"	24	202435	20242	20243
	25	202535	20252	20253
1"	26	202635	20262	20263
1-1/16"	27	202735	20272	20273
	28	202835	20282	20283
1-1/8"	29	202935	20292	20293
	30	203035	20302	20303
1-3/16"	31	203135	20312	20313
1-1/4"	32	203235	20322	20323
	33	203335	20332	20333
1-5/16"	34	203435	20342	20343
1-3/8"	35	203535	20352	20353
	36	203635	20362	20363
1-7/16"	37	203735	20372	20373
	38	203835	20382	20383
1-1/2"	39	203935	20392	20393
1-9/16"	40	204035	20402	20403
	41	204135	20412	20413
1-5/8"	42	204235	20422	20423
1-11/16"	43	204335	20432	20433
	44	204435	20442	20443
1-3/4"	45	204535	20452	20453
	46	204635	20462	20463
1-13/16"	47	204735	20472	20473
1-7/8"	48	204835	20482	20483
	49	204935	20492	20493
1-15/16"	50	205035	20502	20503
2"	51	205135	20512	20513
Ejector pin		2001500	2001501	2001502
		1/4" x 3-1/8"	1/4" x 3-15/16"	1/4" x 5-1/4"



**Optimized for Automatic Drilling**



**ALFRA – separates the tools from the toys**



### OVERVIEW ROTABEST® ADAPTORS



Adaptor cpl. with 2 ejector pins and Allen key **20205**  
 Adaptor for Nitto Kohki Quick Change System ( Onetouch)  
 for the use of Rotabest® HSS-Eco, HSS- Co and Tungsten-Carbide-Tipped  
 Cutters with Weldon shank.

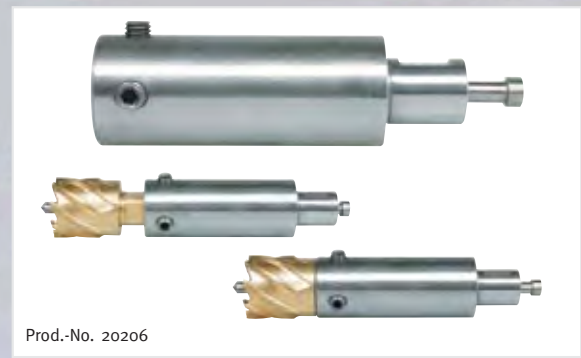


Prod.-No. 20205

Extension Adaptor **20206**  
 with Weldon shank and ejector pin.

For the use of Cutters with 25 – 35 – 50 mm cutting depth for appli-  
 cations, where the surface of the material to be drilled, is below the  
 platform of the machine. The first ejector pin releases the second  
 ejector pin, the coolant runs through the bore to the Cutter.

Total length of Adaptor: 3-1/8"  
 Diameter: 1-3/16"  
 Ejector Pin: 1/4" x 3" Prod.-No. 1926500

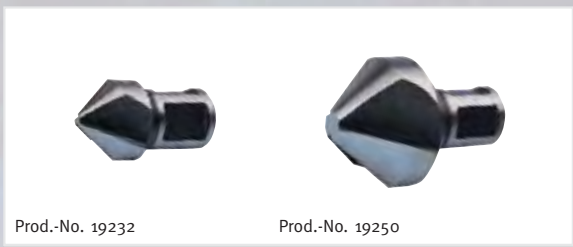


Prod.-No. 20206

### OVERVIEW COUNTERSINK- AND DEBURRING TOOLS HSS

WITH WELDON-SHANK

Ø inch	mm	Prod.-No.
1"	25,0	18533
1-3/16"	30,0	18536
1-9/16"	40,0	18534
2-1/16"	55,0	18537



Prod.-No. 19232

Prod.-No. 19250

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