

Metal Core Cutters have got a name

ALFRA ROTABEST®



- ▶ HSS-BASIC
- ▶ HSS-CO-Eco
- ▶ HSS-CO RQX COATED
- ▶ ASP-30 RAIL
- ▶ TWIST DRILL WITH WELDON SHANK



B

Advantages of ALFRA ROTABEST® Cutters

- Design** Specially designed cutting geometry
- Advantages**
- Immediate centering
 - No running off center
 - Good concentricity
 - Suitable for NC and CNC machines



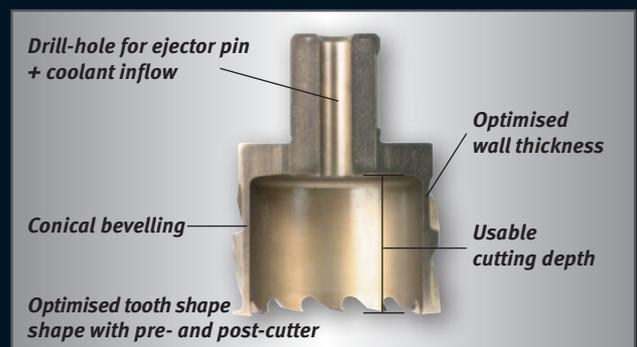
- Design** Optimum regular chip break
- Advantages**
- Smooth cutting
 - Excellent cutting capacity
 - Good chip production at each tooth
 - Regular chip flow

- 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 tenacity of cutter, specially graduated hardness
- 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





ALFRA ROTABEST® – HSS BASIC CUTTERS

With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special super-high performance high-speed steel
- Polished section: with pre- and post-cutting

Suitable for:

ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick-change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and all other magnetic drilling machines with Weldon shank.

Ø in mm Cutting depth	Prod.-No.	Prod.-No.
	25 mm	50 mm
12.0	1907012025	1907012050
13.0	1907013025	1907013050
13.5	1907013525	1907013550
14.0	1907014025	1907014050
15.0	1907015025	1907015050
15.5	1907015525	1907015550
16.0	1907016025	1907016050
17.0	1907017025	1907017050
17.5	1907017525	1907017550
18.0	1907018025	1907018050
19.0	1907019025	1907019050
19.5	1907019525	1907019550
20.0	1907020025	1907020050
21.0	1907021025	1907021050
22.0	1907022025	1907022050
23.0	1907023025	1907023050
24.0	1907024025	1907024050
25.0	1907025025	1907025050
26.0	1907026025	1907026050
26.5	1907026525	1907026550
27.0	1907027025	1907027050
28.0	1907028025	1907028050
29.0	1907029025	1907029050
30.0	1907030025	1907030050
31.0	1907031025	1907031050
32.0	1907032025	1907032050
33.0	1907033025	1907033050
34.0	1907034025	1907034050
35.0	1907035025	1907035050
36.0	1907036025	1907036050
37.0	1907037025	1907037050
38.0	1907038025	1907038050
39.0	1907039025	1907039050
40.0	1907040025	1907040050
41.0	1907041025	1907041050
42.0	1907042025	1907042050
43.0	1907043025	1907043050
44.0	1907044025	1907044050
45.0	1907045025	1907045050
46.0	1907046025	1907046050
47.0	1907047025	1907047050
48.0	1907048025	1907048050
49.0	1907049025	1907049050
50.0	1907050025	1907050050
51.0	–	1907051050
52.0	1907052025	1907052050
53.0	–	1907053050
54.0	–	1907054050
55.0	1907055025	1907055050
56.0	–	1907056050
57.0	–	1907057050
58.0	–	1907058050
59.0	–	1907059050
60.0	1907060025	1907060050
Ejector pin	1926500	1950500
Dimensions	6.35 x 77	6.35 x 102



Counterbore for RotaQuick® Weldon



High-performance tooting with pre- (1) and post-cutting (2)





ALFRA ROTABEST® – HSS BASIC CUTTER SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request



Prod.-No. 1907125

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907125

3-pc cutter set:
comprising 1 x Ø 14.0 - 18.0 - 22.0 mm
In a robust box
Including 1 ejector pin Prod.-No. 1926500

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907003025

6-pc cutter set:
comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm
in a sturdy case
including 1 ejector pin Prod.-No. 1926500



Prod.-No. 1907003025

HSS BASIC Cutter Set

Cutting depth **25 mm**

Prod.-No.

1907001025

10-pc cutter set:
Comprising Ø 2 x 14.0 - 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 mm
in a sturdy case
Including 2 ejector pins Prod.-No. 1926500



Prod.-No. 1907001025

HSS BASIC Cutter Set

Cutting depth **50 mm**

Prod.-No.

1907003050

6-pc cutter set:
comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm
in a sturdy case
including 1 ejector pin Prod.-No. 1950500



Prod.-No. 1907003050

HSS BASIC Cutter Set

Cutting depth **50 mm**

Prod.-No.

1907001050

10-pc cutter set:
Comprising Ø 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 - 1 x 26.0 mm
in a sturdy case
including 2 ejector pins Prod.-No. 1950500



Prod.-No. 1907001050

B



ALFRA ROTABEST® – HSS-Co-Eco CUTTERS

With 19.0 mm Weldon shank

Dimensions in inches available upon request

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special high-capacity speed steel, cobalt
- Polished section: with pre- and post-cutting

Suitable for:

ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick-change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and all other magnetic drilling machines with Weldon shank.

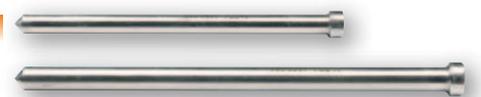
Ø in mm	Prod.-No.	Prod.-No.	Prod.-No.	Prod.-No.*
Cutting depth	25 mm	35 mm	50 mm	110 mm
12.0	1901012025	1901012035	1901012050	–
13.0	1901013025	1901013035	1901013050	–
13.5	1901013525	–	1901013550	–
14.0	1901014025	1901014035	1901014050	–
15.0	1901015025	1901015035	1901015050	–
15.5	1901015525	–	1901015550	–
16.0	1901016025	1901016035	1901016050	–
17.0	1901017025	1901017035	1901017050	–
17.5	1901017525	–	1901017550	–
18.0	1901018025	1901018035	1901018050	–
19.0	1901019025	1901019035	1901019050	–
19.5	1901019525	–	1901019550	–
20.0	1901020025	1901020035	1901020050	1901020110
21.0	1901021025	1901021035	1901021050	–
22.0	1901022025	1901022035	1901022050	1901022110
23.0	1901023025	1901023035	1901023050	–
24.0	1901024025	1901024035	1901024050	1901024110
25.0	1901025025	1901025035	1901025050	1901025110
26.0	1901026025	1901026035	1901026050	1901026110
26.5	1901026525	–	1901026550	–
27.0	1901027025	1901027035	1901027050	–
28.0	1901028025	1901028035	1901028050	1901028110
29.0	1901029025	1901029035	1901029050	–
30.0	1901030025	1901030035	1901030050	1901030110
31.0	1901031025	1901031035	1901031050	–
32.0	1901032025	1901032035	1901032050	1901032110
33.0	1901033025	1901033035	1901033050	–
34.0	1901034025	1901034035	1901034050	–
35.0	1901035025	1901035035	1901035050	1901035110
36.0	1901036025	1901036035	1901036050	–
37.0	1901037025	1901037035	1901037050	–
38.0	1901038025	1901038035	1901038050	–
39.0	1901039025	1901039035	1901039050	–
40.0	1901040025	1901040035	1901040050	1901040110
41.0	1901041025	–	1901041050	–
42.0	1901042025	–	1901042050	–
43.0	1901043025	–	1901043050	–
44.0	1901044025	–	1901044050	–
45.0	1901045025	–	1901045050	1901045110
46.0	1901046025	–	1901046050	–
47.0	1901047025	–	1901047050	–
48.0	1901048025	–	1901048050	–
49.0	1901049025	–	1901049050	–
50.0	1901050025	–	1901050050	1901050110
51.0	–	–	1901051050	–
52.0	1901052025	–	1901052050	–
53.0	–	–	1901053050	–
54.0	–	–	1901054050	–
55.0	1901055025	–	1901055050	–
56.0	–	–	1901056050	–
57.0	–	–	1901057050	–
58.0	–	–	1901058050	–
59.0	–	–	1901059050	–
60.0	1901060025	–	1901060050	–
Ejector pin	1926500	1935500	1950500	2001502
Dimensions	6.35 x 77	6.35 x 87	6.35 x 102	8 x 160



Counterbore for RotaQuick® Weldon



High-performance tooting with pre- (1) and post-cutting (2)



* Important: HSS-Co-Eco cutters with a cutting depth of 110 mm can now be used with AMT 2 L (Prod.-No. 18003 L) or AMT 3 L (Prod.-No. 18025 L) tool holders.



ALFRA ROTABEST® – HSS-Co-Eco CUTTER SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request



Prod.-No. 1901125

HSS-Co-Eco Cutter Set

Cutting depth **25 mm**

Prod.-No.

1901125

3-pc cutter set:
comprising 1 x Ø 14.0 - 18.0 - 22.0 mm
in a robust box
including 1 ejector pin Prod.-No. 1926500

HSS-Co-Eco Cutter Set

Cutting depth **25 mm**

Prod.-No.

1901003025

6-pc cutter set:
comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 20.0 - 22.0 mm
in a sturdy case
including 1 ejector pin Prod.-No. 1926500



Prod.-No. 1901003025

HSS-Co-Eco Cutter Set

Cutting depth **25 mm**

Prod.-No.

1901001025

10-pc cutter set:
comprising 1 x Ø 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 mm
in a sturdy case
including 2 ejector pins Prod.-No. 1926500



Prod.-No. 1901001025

HSS-Co-Eco Cutter Set

Cutting depth **50 mm**

Prod.-No.

1901003050

6-pc cutter set:
comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm
in a sturdy case
including 1 ejector pin Prod.-No. 1950500

HSS-Co-Eco Cutter Set

Cutting depth **50 mm**

Prod.-No.

1901001050

10-pc cutter set:
Comprising Ø 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 -
1 x 26.0 mm
in a sturdy case
including 2 ejector pins Prod.-No. 1950500



Prod.-No. 1901003050



Prod.-No. 1901001050

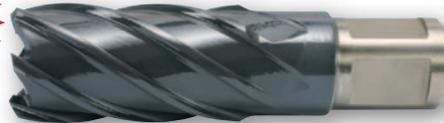
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ALFRA ROTABEST® – HSS-Co CUTTERS RQX COATED

With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank, 2 clamping surfaces, 1 counterbore for RotaQuick®
- Internal bore 6.35 mm
- Steel quality: Special super-high performance high-speed steel cobalt, **coated**
- Polished section: with pre- and post-cutting



Suitable for:

ALFRA-Rotabest® (Weldon), ALFRA-RotaQuick® quick-change system, BDS, Bux, Ruko, Magnetor, Euroboor, Universal, Nitto, Jancy, Hougen, Magtron, Promac, Rotabroach and all other magnetic drilling machines with Weldon shank.



Counterbore for RotaQuick® Weldon

Ø in mm Cutting depth 25 mm Prod.-No.

12.0	1902012025
13.0	1902013025
14.0	1902014025
15.0	1902015025
16.0	1902016025
17.0	1902017025
18.0	1902018025
19.0	1902019025
20.0	1902020025
21.0	1902021025
22.0	1902022025
23.0	1902023025
24.0	1902024025
25.0	1902025025
26.0	1902026025
27.0	1902027025
28.0	1902028025
29.0	1902029025
30.0	1902030025
31.0	1902031025
32.0	1902032025
33.0	1902033025
34.0	1902034025
35.0	1902035025
36.0	1902036025
37.0	1902037025
38.0	1902038025
39.0	1902039025
40.0	1902040025
41.0	1902041025
42.0	1902042025
43.0	1902043025
44.0	1902044025
45.0	1902045025
46.0	1902046025
47.0	1902047025
48.0	1902048025
49.0	1902049025
50.0	1902050025
51.0	
52.0	
53.0	
54.0	
55.0	
56.0	
57.0	
58.0	
59.0	
60.0	

Ejector pin 6.35 x 77 mm 1926500

Ø in mm Cutting depth 50 mm Prod.-No.

12.0	1902012050
13.0	1902013050
14.0	1902014050
15.0	1902015050
16.0	1902016050
17.0	1902017050
18.0	1902018050
19.0	1902019050
20.0	1902020050
21.0	1902021050
22.0	1902022050
23.0	1902023050
24.0	1902024050
25.0	1902025050
26.0	1902026050
27.0	1902027050
28.0	1902028050
29.0	1902029050
30.0	1902030050
31.0	1902031050
32.0	1902032050
33.0	1902033050
34.0	1902034050
35.0	1902035050
36.0	1902036050
37.0	1902037050
38.0	1902038050
39.0	1902039050
40.0	1902040050
41.0	1902041050
42.0	1902042050
43.0	1902043050
44.0	1902044050
45.0	1902045050
46.0	1902046050
47.0	1902047050
48.0	1902048050
49.0	1902049050
50.0	1902050050
51.0	1902051050
52.0	1902052050
53.0	1902053050
54.0	1902054050
55.0	1902055050
56.0	1902056050
57.0	1902057050
58.0	1902058050
59.0	1902059050
60.0	1902060050

Ejector pin 6.35 x 102 mm 1950500



High-performance tooting with pre- (1) and post-cutting (2)





ALFRA ROTABEST® – HSS-Co CUTTER RQX SETS



With 19.0 mm Weldon shank

- An assortment of commonly used cutters in a sturdy plastic case.
- Effective protection for the teeth during rough use during assembly and in the workshop.
- Upon request we can make individual sets with diameters ranging from Ø 12.0 mm to 30.0 mm.

Dimensions in inches available upon request

HSS-Co Cutter RQX Set

Cutting depth **25 mm**

Prod.-No.

1902003025

6-pc cutter set:
comprising 1 x Ø 12.0 - 14.0 - 16.0 - 18.0 - 22.0 - 26.0 mm
in a plastic case
including 1 ejector pin Prod.-No. 1926500

Prod.-No. 1902003025



HSS-Co Cutter RQX Set

Cutting depth **25 mm**

Prod.-No.

1902001025

10-pc cutter set:
comprising Ø 2 x 12.0 - 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 2 x 22.0 - 1 x 26.0 mm
In plastic case
including 2 ejector pins Prod.-No. 1926500

Prod.-No. 1902001025



HSS-Co Cutter RQX Set

Cutting depth **50 mm**

Prod.-No.

1902003050

6-pc cutter set:
comprising 1 x Ø 14.0 - 16.0 - 18.0 - 20.0 - 22.0 - 26.0 mm
In a plastic case
including 1 ejector pin Prod.-No. 1950500

Prod.-No. 1902003050



HSS-Co Cutter RQX Set

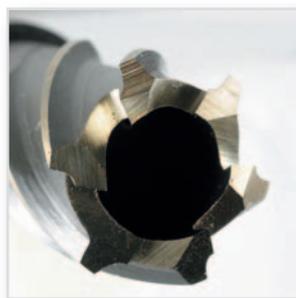
Cutting depth **50 mm**

Prod.-No.

1902001050

10-pc cutter set:
comprising Ø 2 x 14.0 - 1 x 16.0 - 2 x 18.0 - 1 x 20.0 - 2 x 22.0 - 1 x 24.0 - 1 x 26.0 mm
In plastic case
including 2 ejector pins Prod.-No. 1950500

Prod.-No. 1902001050



HSS-Co cutter with special geometries for processing stacked metal plates (multi-layer drill) upon request! (Standard-cutters are not suitable for this purpose.)

B



ALFRA ROTABEST® - ASP-30 RAIL



With 19.0 mm Weldon shank

- With 19.0 mm Weldon shank,
- Internal bore 6.35 mm
- Steel quality: Powder-metallurgical based cobalt high-performance high-speed steel with optimal purity and improved toughness compared to traditional powder steel.
- Excellently suitable for intensive-use applications such as on railway tracks.
- These tools can also be used on all magnet drilling machines, especially with Weldon shank.

Suitable for:

All portable magnetic drilling machines with 19 mm Weldon shank, especially for rail drilling units from the following manufacturers:

- Cembre
- Erico
- KKT
- Dubuis
- Universal
- Magtron
- Rotabroach

Dimensions in inches available upon request

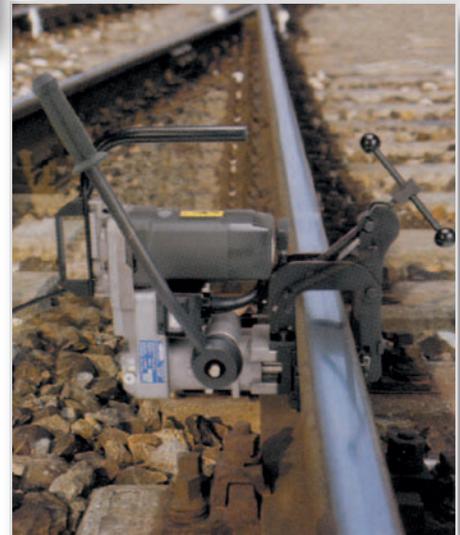


Ø in mm Cutting depth 25 mm Prod.-No.

14.0	1905014025
16.0	1905016025
17.0	1905017025
18.0	1905018025
19.0	1905019025
20.0	1905020025
22.0	1905022025
23.0	1905023025
24.0	1905024025
25.0	1905025025
26.0	1905026025
27.0	1905027025
27.5	1905027525
28.0	1905028025
30.0	1905030025
31.0	1905031025
32.0	1905032025
33.0	1905033025
34.0	1905034025
36.0	1905036025
Ejector pin 6.35 x 77 mm	1926500

Ø in mm Cutting depth 50 mm Prod.-No.

14.0	1905014050
16.0	1905016050
17.0	1905017050
18.0	1905018050
19.0	1905019050
20.0	1905020050
22.0	1905022050
23.0	1905023050
24.0	1905024050
25.0	1905025050
26.0	1905026050
27.0	1905027050
27.5	1905027550
28.0	1905028050
30.0	1905030050
31.0	1905031050
32.0	1905032050
33.0	1905033050
34.0	1905034050
36.0	1905036050
Ejector pin 6.35 x 102 mm	1950500

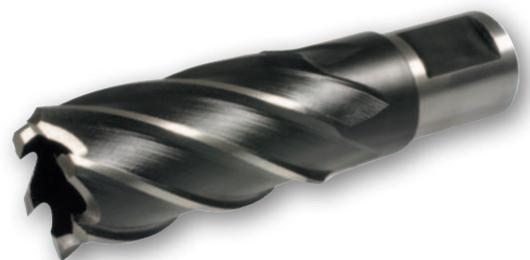
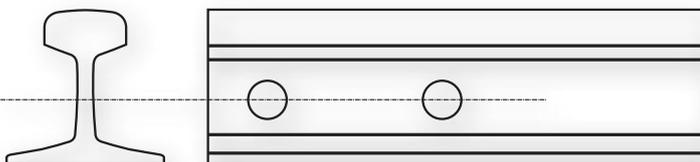


Tip:

Well-proven for drilling Hardox and similar high-tensile steels. Name your drilling problem, we will be pleased to advise.

And another tip:

ASP-60 for "impossible" drilling applications upon request.





ALFRA – HSS-Co-Eco CUTTERS FOR FEIN-QUICKIN



Suitable for FEIN magnetic drilling machines

- Suitable for FEIN magnetic drilling machines with Quick IN arbor.
- You are using FEIN magnetic drilling machines and do not want to do without your ALFRA-Rotabest® cutters? Take a look at our selection of HSS and carbide-tipped cutters suitable for the various types of FEIN machines.
- Special shank, 18.0 mm with 4 bearing recesses
- Steel quality: Special high-capacity speed steel, cobalt
- Internal bore 6.4 mm
- Suitable for: FEIN Quick-IN quick-change arbor, FEIN core drilling machines with KBM 32 Q, KBM 50 Q, KBM 65 Q, KBM 65 QF Quick-IN quick-change systems



Prod.-No. 1936500



Ø in mm	Cutting depth 35 mm	Prod.-No.
12.0		1909012035
13.0		1909013035
14.0		1909014035
15.0		1909015035
16.0		1909016035
17.0		1909017035
18.0		1909018035
19.0		1909019035
20.0		1909020035
21.0		1909021035
22.0		1909022035
23.0		1909023035
24.0		1909024035
25.0		1909025035
26.0		1909026035
27.0		1909027035
28.0		1909028035
29.0		1909029035
30.0		1909030035
31.0		1909031035
32.0		1909032035
Ejector pin 6.35 x 106 mm		1936500



High-performance toothing with pre- and post-cutting

B

ALFRA – HSS-Co-Eco CUTTERS SUITABLE FOR FEIN + HITACHI

- Threaded arbor, internal thread, M18 x 6P 1.5.
- Also compatible with Hitachi machines.

Ø in mm	Cutting depth 50 mm	Prod.-No.
12.0		1908012050
13.0		1908013050
14.0		1908014050
15.0		1908015050
16.0		1908016050
17.0		1908017050
18.0		1908018050
19.0		1908019050
20.0		1908020050
21.0		1908021050
22.0		1908022050
23.0		1908023050
24.0		1908024050
25.0		1908025050
26.0		1908026050
27.0		1908027050
28.0		1908028050
29.0		1908029050
30.0		1908030050





HSS-TWIST DRILLS

With 19.0 mm Weldon shank

- Suitable for magnetic drilling machines with Weldon shank.
- Ideal for drilling smaller diameters, \varnothing 12 mm.

HSS twist drill

\varnothing in mm HSS twist drill with Weldon shank

Prod.-No.

6.0	0802606
8.0	0802608
9.0	0802609
10.0	0802610
11.0	0802611
12.0	0802612

Prod.-No. 0802606



Prod.-No. 0802608



Prod.-No. 0802609



Prod.-No. 0802610



Prod.-No. 0802611



Prod.-No. 0802612



HSS twist drill set

6-pc HSS twist drill set with Weldon shank
comprising 1 x \varnothing 6.0 - 8.0 - 9.0 - 10.0 - 11.0 - 12.0 mm
In a plastic case

Prod.-No.

08026



Prod.-No. 08026

B