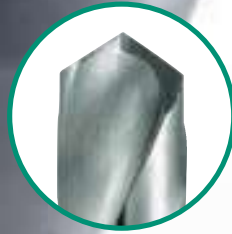


HSS **PZ-COBALT**



Selbstzentrierend
durch Spezialanschliff

Self-centering
thanks to special point shape

Autocentrado
gracias a la punta afilada especial



Noch stabiler
durch verstärkten Kerndurchmesser

More stable
due to re-inforced web

Todavía más estable
gracias al diámetro central reforzado



Extra kurze Bauweise
für Handbohrmaschinen

Extra short design
for hand-held drills

Estilo extracorto
para taladradoras manuales



D HSS Cobalt Spiralbohrer, extra kurz, DIN 1897 PZ

Einsatzbereich:

5% kobaltlegierter Spiralbohrer mit **verstärktem Kerndurchmesser**. Besonders geeignet für **zähe und harte Werkstoffe** wie rost- und säurebeständige Chrom-Nickelstähle. Durch die kurze Bauweise sehr gut für Handbohrmaschinen geeignet.



Bruchsicher, kurze stabile Ausführung
Break-resistant, short stable design
A prueba de roturas, modelo corto y estable

E HSS Cobalt stub drills, DIN 1897 PZ

Range of application:

5% cobalt-alloyed high-efficiency drills with **re-inforced web**. Specially suitable for drilling stainless steel, acid-resisting steel, spring-steel. Best for hand held operations.



Punktgenaues Anbohren
Highly accurate centering
Perforación de gran precisión

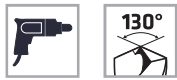
ES Broca espiral HSS Cobalt, extra corta, DIN 1897 PZ

Aplicación:

Broca espiral con 5 % de aleación de cobalto y **diámetro central reforzado**. Especialmente adecuadas para materiales tenaces y duros, como aceros al cromo-níquel que resisten los ácidos y la corrosión. Muy adecuadas para taladradoras manuales gracias al diseño corto.



Industriequalität
Industrial quality
Calidad industrial



Plastiktasche
Plastic wallet
Embalaje de plástico



Gewerbepack
Industrial packing
Paquete industrial



Einzelverpackung
Single packing
Embalaje individual



TiN

hohe Performance, lange Standzeit

high performance, long durability

Rendimiento elevado, duración prolongada


Ø mm	l1 mm	l2 mm	Code 921		Code 901		Code 907	
			Art.-Nr.	Inh. Cont.	Art.-Nr.	Inh. Cont.	Art.-Nr.	Inh. Cont.
			blank bright brillante		blank bright brillante		TiN	
1,00	26	6			00 901001001.00	10	00 907001001.00	1
1,10	28	7			00 901001101.00	10	00 907001101.00	1
1,20	30	8			00 901001201.00	10	00 907001201.00	1
1,30	30	8			00 901001301.00	10	00 907001301.00	1
1,40	32	9			00 901001401.00	10	00 907001401.00	1
1,50	32	9			00 901001501.00	10	00 907001501.00	1
1,60	34	10			00 901001601.00	10	00 907001601.00	1
1,70	34	10			00 901001701.00	10	00 907001701.00	1
1,80	36	11			00 901001801.00	10	00 907001801.00	1
1,90	36	11			00 901001901.00	10	00 907001901.00	1
2,00	38	12	00 921002001.00	1 10	00 901002001.00	10	00 907002001.00	1
2,10	38	12			00 901002101.00	10	00 907002101.00	1
2,20	40	13			00 901002201.00	10	00 907002201.00	1
2,30	40	13			00 901002301.00	10	00 907002301.00	1
2,40	43	14			00 901002401.00	10	00 907002401.00	1
2,50	43	14	00 921002501.00	1 10	00 901002501.00	10	00 907002501.00	1
2,60	43	14			00 901002601.00	10	00 907002601.00	1
2,70	46	16			00 901002701.00	10	00 907002701.00	1
2,80	46	16			00 901002801.00	10	00 907002801.00	1
2,90	46	16			00 901002901.00	10	00 907002901.00	1
3,00	46	16	00 921003001.00	1 10	00 901003001.00	10	00 907003001.00	1
3,10	49	18			00 901003101.00	10	00 907003101.00	1
3,20	49	18	00 921003201.00	1 10	00 901003201.00	10	00 907003201.00	1
3,30	49	18	00 921003301.00	1 10	00 901003301.00	10	00 907003301.00	1

⁽¹⁾ ≥ Ø 2,0 mm

			Plastiktasche Plastic wallet Embalaje de plástico	Gewerbepack Industrial packing Paquete industrial	Einzelverpackung Single packing Embalaje individual			
Ø mm	l1 mm	l2 mm	Code 921	Inh.	Code 901	Inh.	Code 907	Inh.
			Art.-Nr.	Cont.	Art.-Nr.	Cont.	Art.-Nr.	Cont.
			blank bright brillante	blank bright brillante	TIN			
3,40	52	20			00 901003401 00	10	00 907003401 00	1
3,50	52	20	00 921003501 00	1 10	00 901003501 00	10	00 907003501 00	1
3,60	52	20			00 901003601 00	10	00 907003601 00	1
3,70	52	20			00 901003701 00	10	00 907003701 00	1
3,80	55	22			00 901003801 00	10	00 907003801 00	1
3,90	55	22			00 901003901 00	10	00 907003901 00	1
4,00	55	22	00 921004001 00	1 10	00 901004001 00	10	00 907004001 00	1
4,10	55	22			00 901004101 00	10	00 907004101 00	1
4,20	55	22	00 921004201 00	1 10	00 901004201 00	10	00 907004201 00	1
4,30	58	24			00 901004301 00	10	00 907004301 00	1
4,40	58	24			00 901004401 00	10	00 907004401 00	1
4,50	58	24	00 921004501 00	1 10	00 901004501 00	10	00 907004501 00	1
4,60	58	24			00 901004601 00	10	00 907004601 00	1
4,70	58	24			00 901004701 00	10	00 907004701 00	1
4,80	62	26			00 901004801 00	10	00 907004801 00	1
4,90	62	26			00 901004901 00	10	00 907004901 00	1
5,00	62	26	00 921005001 00	1 10	00 901005001 00	10	00 907005001 00	1
5,10	62	26			00 901005101 00	10	00 907005101 00	1
5,20	62	26			00 901005201 00	10	00 907005201 00	1
5,30	62	26			00 901005301 00	10	00 907005301 00	1
5,40	66	28			00 901005401 00	10	00 907005401 00	1
5,50	66	28	00 921005501 00	1 10	00 901005501 00	10	00 907005501 00	1
5,60	66	28			00 901005601 00	10	00 907005601 00	1
5,70	66	28			00 901005701 00	10	00 907005701 00	1
5,80	66	28			00 901005801 00	10	00 907005801 00	1
5,90	66	28			00 901005901 00	10	00 907005901 00	1
6,00	66	28	00 921006001 00	1 10	00 901006001 00	10	00 907006001 00	1
6,10	70	31			00 901006101 00	10	00 907006101 00	1
6,20	70	31			00 901006201 00	10	00 907006201 00	1
6,30	70	31			00 901006301 00	10	00 907006301 00	1
6,40	70	31			00 901006401 00	10	00 907006401 00	1
6,50	70	31	00 921006501 00	1 10	00 901006501 00	10	00 907006501 00	1
6,60	70	31			00 901006601 00	10	00 907006601 00	1
6,70	70	31			00 901006701 00	10	00 907006701 00	1
6,80	74	34	00 921006801 00	1 10	00 901006801 00	10	00 907006801 00	1
6,90	74	34			00 901006901 00	10	00 907006901 00	1
7,00	74	34	00 921007001 00	1 10	00 901007001 00	10	00 907007001 00	1
7,10	74	34			00 901007101 00	10	00 907007101 00	1
7,20	74	34			00 901007201 00	10	00 907007201 00	1
7,30	74	34			00 901007301 00	10	00 907007301 00	1
7,40	74	34			00 901007401 00	10	00 907007401 00	1
7,50	74	34	00 921007501 00	1 10	00 901007501 00	10	00 907007501 00	1
7,60	79	37			00 901007601 00	10	00 907007601 00	1
7,70	79	37			00 901007701 00	10	00 907007701 00	1
7,80	79	37			00 901007801 00	10	00 907007801 00	1
7,90	79	37			00 901007901 00	10	00 907007901 00	1
8,00	79	37	00 921008001 00	1 10	00 901008001 00	10	00 907008001 00	1
8,10	79	37			00 901008101 00	10	00 907008101 00	1
8,20	79	37			00 901008201 00	10	00 907008201 00	1
8,30	79	37			00 901008301 00	10	00 907008301 00	1
8,40	79	37			00 901008401 00	10	00 907008401 00	1
8,50	79	37	00 921008501 00	1 10	00 901008501 00	10	00 907008501 00	1
8,60	84	40			00 901008601 00	10	00 907008601 00	1
8,70	84	40			00 901008701 00	10	00 907008701 00	1
8,80	84	40			00 901008801 00	10	00 907008801 00	1
8,90	84	40			00 901008901 00	10	00 907008901 00	1



Metall- und Edeltahlbohrer
 Metal drills and stainless steel drills
 Broca para metal y broca de acero inoxidable

			Plastiktasche <i>Plastic wallet</i> <i>Embalaje de plástico</i>		Gewerbepack <i>Industrial packing</i> <i>Paquete industrial</i>		Einzelverpackung <i>Single packing</i> <i>Embalaje individual</i>	
Ø	l1	l2	Code 921 Art.-Nr.	Inh. Cont. 	Code 901 Art.-Nr.	Inh. Cont.	Code 907 Art.-Nr.	Inh. Cont.
mm	mm	mm	blank bright brillante		blank bright brillante		TiN	
9,00	84	40	00 921009001 00	1 10	00 901009001 00	10	00 907009001 00	1
9,10	84	40			00 901009101 00	10	00 907009101 00	1
9,20	84	40			00 901009201 00	10	00 907009201 00	1
9,30	84	40			00 901009301 00	10	00 907009301 00	1
9,40	84	40			00 901009401 00	10	00 907009401 00	1
9,50	84	40	00 921009501 00	1 10	00 901009501 00	10	00 907009501 00	1
9,60	89	43			00 901009601 00	10	00 907009601 00	1
9,70	89	43			00 901009701 00	10	00 907009701 00	1
9,80	89	43			00 901009801 00	10	00 907009801 00	1
9,90	89	43			00 901009901 00	10	00 907009901 00	1
10,00	89	43	00 921010001 00	1 10	00 901010001 00	10	00 907010001 00	1
10,20	89	43	00 921010201 00	1 10	00 901010201 00	1	00 907010201 00	1
10,50	89	43			00 901010501 00	1	00 907010501 00	1
11,00	95	47			00 901011001 00	1	00 907011001 00	1
11,50	95	47			00 901011501 00	1	00 907011501 00	1
12,00	102	51			00 901012001 00	1	00 907012001 00	1
12,50	102	51			00 901012501 00	1	00 907012501 00	1
13,00	102	51			00 901013001 00	1	00 907013001 00	1



D HSS Blindnietbohrer, doppelseitig

Einsatzbereich:

Spiralbohrer zum Bohren von dünnen Materialien, z. B. Spenglereien, Karosseriewerkstätten usw., für Handbohrmaschinen. Nicht für normale Bohrtiefen einsetzen.

E HSS stub drills for rivets, double-ended

Range of application:

Drill with extremely sturdy construction, particularly suitable for drilling thin materials. Used in portable-handtools, mainly in body panel shops, car repair shops etc.

ES Broca de remache ciego HSS de dos caras

Aplicación:

Broca espiral para perforar materiales finos, p. ej., hojalaterías, talleres de carrocería, etc., para taladradoras manuales. No debe utilizarse para profundidades de perforación convencionales.



Präzise
Precise
Preciso



Scharfe Schneiden
Sharp cutting edges
Filos bien afilados



Bruchstabil
Break-resistant
Resistente a la rotura

<p>Oberfläche: dampfangelassen⁽¹⁾ Surface: steam tempered Superficie: templada al vapor</p>	<p>Plastiktasche Plastic wallet Embalaje de plástico</p>	<p>Gewerbepack Industrial packing Paquete industrial</p>																																																																	
<table border="1"> <thead> <tr> <th>Ø mm</th> <th>l1 mm</th> <th>l2 mm</th> </tr> </thead> <tbody> <tr><td>3,00</td><td>46</td><td>14</td></tr> <tr><td>3,10</td><td>49</td><td>14</td></tr> <tr><td>3,20</td><td>49</td><td>14</td></tr> <tr><td>3,25</td><td>49</td><td>14</td></tr> <tr><td>3,30</td><td>49</td><td>14</td></tr> <tr><td>3,50</td><td>52</td><td>17</td></tr> <tr><td>4,00</td><td>55</td><td>17</td></tr> <tr><td>4,10</td><td>55</td><td>17</td></tr> <tr><td>4,20</td><td>55</td><td>17</td></tr> <tr><td>4,90</td><td>62</td><td>20</td></tr> <tr><td>5,10</td><td>62</td><td>20</td></tr> <tr><td>5,20</td><td>62</td><td>20</td></tr> </tbody> </table>	Ø mm	l1 mm	l2 mm	3,00	46	14	3,10	49	14	3,20	49	14	3,25	49	14	3,30	49	14	3,50	52	17	4,00	55	17	4,10	55	17	4,20	55	17	4,90	62	20	5,10	62	20	5,20	62	20		<table border="1"> <thead> <tr> <th>Code 321 Art.-Nr.</th> <th>Inh. Cont.</th> </tr> </thead> <tbody> <tr><td>00 321003001 00</td><td>10</td></tr> <tr><td>00 321003101 00</td><td>10</td></tr> <tr><td>00 321003201 00</td><td>10</td></tr> <tr><td>00 321003251 00</td><td>10</td></tr> <tr><td>00 321003301 00</td><td>10</td></tr> <tr><td>00 321003501 00</td><td>10</td></tr> <tr><td>00 321004001 00</td><td>10</td></tr> <tr><td>00 321004101 00</td><td>10</td></tr> <tr><td>00 321004201 00</td><td>10</td></tr> <tr><td>00 321004901 00</td><td>10</td></tr> <tr><td>00 321005101 00</td><td>10</td></tr> <tr><td>00 321005201 00</td><td>10</td></tr> </tbody> </table>	Code 321 Art.-Nr.	Inh. Cont.	00 321003001 00	10	00 321003101 00	10	00 321003201 00	10	00 321003251 00	10	00 321003301 00	10	00 321003501 00	10	00 321004001 00	10	00 321004101 00	10	00 321004201 00	10	00 321004901 00	10	00 321005101 00	10	00 321005201 00	10
Ø mm	l1 mm	l2 mm																																																																	
3,00	46	14																																																																	
3,10	49	14																																																																	
3,20	49	14																																																																	
3,25	49	14																																																																	
3,30	49	14																																																																	
3,50	52	17																																																																	
4,00	55	17																																																																	
4,10	55	17																																																																	
4,20	55	17																																																																	
4,90	62	20																																																																	
5,10	62	20																																																																	
5,20	62	20																																																																	
Code 321 Art.-Nr.	Inh. Cont.																																																																		
00 321003001 00	10																																																																		
00 321003101 00	10																																																																		
00 321003201 00	10																																																																		
00 321003251 00	10																																																																		
00 321003301 00	10																																																																		
00 321003501 00	10																																																																		
00 321004001 00	10																																																																		
00 321004101 00	10																																																																		
00 321004201 00	10																																																																		
00 321004901 00	10																																																																		
00 321005101 00	10																																																																		
00 321005201 00	10																																																																		

**mit Kreuzanschliff
with split point
con punta afilada en cruz**

Oberfläche: blank⁽²⁾
Surface: bright
Superficie: brillante



<table border="1"> <thead> <tr> <th>Ø mm</th> <th>l1 mm</th> <th>l2 mm</th> </tr> </thead> <tbody> <tr><td>3,00</td><td>46</td><td>14</td></tr> <tr><td>3,10</td><td>49</td><td>14</td></tr> <tr><td>3,20</td><td>49</td><td>14</td></tr> <tr><td>3,25</td><td>49</td><td>14</td></tr> <tr><td>3,30</td><td>49</td><td>14</td></tr> <tr><td>3,50</td><td>52</td><td>17</td></tr> <tr><td>4,00</td><td>55</td><td>17</td></tr> <tr><td>4,10</td><td>55</td><td>17</td></tr> <tr><td>4,20</td><td>55</td><td>17</td></tr> <tr><td>4,90</td><td>62</td><td>20</td></tr> <tr><td>5,10</td><td>62</td><td>20</td></tr> </tbody> </table>	Ø mm	l1 mm	l2 mm	3,00	46	14	3,10	49	14	3,20	49	14	3,25	49	14	3,30	49	14	3,50	52	17	4,00	55	17	4,10	55	17	4,20	55	17	4,90	62	20	5,10	62	20	<table border="1"> <thead> <tr> <th>Code 371 Art.-Nr.</th> <th>Inh. Cont.</th> <th></th> </tr> </thead> <tbody> <tr><td>00 371003101 00</td><td>2</td><td>10</td></tr> <tr><td>00 371003201 00</td><td>2</td><td>10</td></tr> <tr><td>00 371003251 00</td><td>2</td><td>10</td></tr> <tr><td>00 371003301 00</td><td>2</td><td>10</td></tr> <tr><td>00 371004101 00</td><td>2</td><td>10</td></tr> <tr><td>00 371004201 00</td><td>2</td><td>10</td></tr> <tr><td>00 371004901 00</td><td>2</td><td>10</td></tr> <tr><td>00 371005101 00</td><td>2</td><td>10</td></tr> </tbody> </table>	Code 371 Art.-Nr.	Inh. Cont.		00 371003101 00	2	10	00 371003201 00	2	10	00 371003251 00	2	10	00 371003301 00	2	10	00 371004101 00	2	10	00 371004201 00	2	10	00 371004901 00	2	10	00 371005101 00	2	10	<table border="1"> <thead> <tr> <th>Code 331 Art.-Nr.</th> <th>Inh. Cont.</th> </tr> </thead> <tbody> <tr><td>00 331003001 00</td><td>10</td></tr> <tr><td>00 331003101 00</td><td>10</td></tr> <tr><td>00 331003201 00</td><td>10</td></tr> <tr><td>00 331003251 00</td><td>10</td></tr> <tr><td>00 331003301 00</td><td>10</td></tr> <tr><td>00 331003501 00</td><td>10</td></tr> <tr><td>00 331004001 00</td><td>10</td></tr> <tr><td>00 331004101 00</td><td>10</td></tr> <tr><td>00 331004201 00</td><td>10</td></tr> <tr><td>00 331004901 00</td><td>10</td></tr> <tr><td>00 331005101 00</td><td>10</td></tr> </tbody> </table>	Code 331 Art.-Nr.	Inh. Cont.	00 331003001 00	10	00 331003101 00	10	00 331003201 00	10	00 331003251 00	10	00 331003301 00	10	00 331003501 00	10	00 331004001 00	10	00 331004101 00	10	00 331004201 00	10	00 331004901 00	10	00 331005101 00	10
Ø mm	l1 mm	l2 mm																																																																																							
3,00	46	14																																																																																							
3,10	49	14																																																																																							
3,20	49	14																																																																																							
3,25	49	14																																																																																							
3,30	49	14																																																																																							
3,50	52	17																																																																																							
4,00	55	17																																																																																							
4,10	55	17																																																																																							
4,20	55	17																																																																																							
4,90	62	20																																																																																							
5,10	62	20																																																																																							
Code 371 Art.-Nr.	Inh. Cont.																																																																																								
00 371003101 00	2	10																																																																																							
00 371003201 00	2	10																																																																																							
00 371003251 00	2	10																																																																																							
00 371003301 00	2	10																																																																																							
00 371004101 00	2	10																																																																																							
00 371004201 00	2	10																																																																																							
00 371004901 00	2	10																																																																																							
00 371005101 00	2	10																																																																																							
Code 331 Art.-Nr.	Inh. Cont.																																																																																								
00 331003001 00	10																																																																																								
00 331003101 00	10																																																																																								
00 331003201 00	10																																																																																								
00 331003251 00	10																																																																																								
00 331003301 00	10																																																																																								
00 331003501 00	10																																																																																								
00 331004001 00	10																																																																																								
00 331004101 00	10																																																																																								
00 331004201 00	10																																																																																								
00 331004901 00	10																																																																																								
00 331005101 00	10																																																																																								



Metal- und Edelstahlbohrer
Metal drills and stainless steel drills
Broca para metal y broca de acero inoxidable

D HSS Blindnietbohrer mit Kreuzanschliff

Einsatzbereich:

Spiralbohrer zum Bohren von dünnen Materialien, z. B. Spenglereien, Karosseriewerkstätten usw., für Handbohrmaschinen. Nicht für normale Bohrtiefen einsetzen.



Punktgenaues Anbohren
Highly accurate centering
Perforación de gran precisión



Präzise
Precise
Preciso



Bruchstabil
Break-resistant
Resistente a la rotura

E HSS stub drills for rivets with split point

Range of application:

Drill with extremely sturdy construction, particularly suitable for drilling thin materials. Used in portable-handtools, mainly in body panel shops, car repair shops etc.

ES Broca de remache ciego HSS con punta afilada en cruz

Aplicación:

Broca espiral para perforar materiales finos, p. ej., hojalaterías, talleres de carrocería, etc., para taladradoras manuales. No debe utilizarse para profundidades de perforación convencionales.

Ø



l2

l1



118°



Alu



Cu
Ms
Ni
Zn



3xd

Oberfläche: blank
Surface: bright
Superficie: brillante

Gewerbepack
Industrial packing
Paquete industrial



Ø mm	l1 mm	l2 mm	Code 311 Art.-Nr.	Inh. Cont.
3,00	46	14	00 311003001 00	10
3,10	49	14	00 311003101 00	10
3,20	49	14	00 311003201 00	10
3,25	49	14	00 311003251 00	10
3,30	49	14	00 311003301 00	10
3,50	52	17	00 311003501 00	10
4,00	55	17	00 311004001 00	10
4,10	55	17	00 311004101 00	10
4,20	55	17	00 311004201 00	10
4,90	62	20	00 311004901 00	10
5,10	62	20	00 311005101 00	10
5,20	62	20	00 311005201 00	10
5,30	62	20	00 311005301 00	10



D HSS Blindnietbohrer
E HSS stub drills for rivets
ES Broca de remache ciego HSS
Einsatzbereich:

Spiralbohrer zum Bohren von dünnen Materialien, z. B. Spenglereien, Karosseriewerkstätten usw., für Handbohrmaschinen. Nicht für normale Bohrtiefen einsetzen.

Range of application:

Drill with extremely sturdy construction, particularly suitable for drilling thin materials. Used in portable-handtools, mainly in body panel shops, car repair shops etc.

Aplicación:

Broca espiral para perforar materiales finos, p. ej., hojalaterías, talleres de carrocería, etc., para taladradoras manuales. No debe utilizarse para profundidades de perforación convencionales.



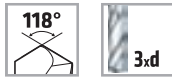
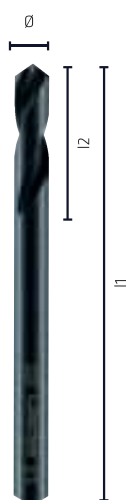
Präzise
Precise
Preciso



Scharfe Schneiden
Sharp cutting edges
Filas bien afilados



Bruchstabil
Break-resistant
Resistente a la rotura



Oberfläche: dampfangelassen
Surface: steam tempered
Superficie: templada al vapor

Gewerbepack
Industrial packing
Paquete industrial



Ø	Ø	l1	l2	Code 301	Inh.
mm	inch	mm	mm	Art.-Nr.	Cont.
2,38	3/32	43	9,5	00 301002381 00	10
2,50		43	9,5	00 301002501 00	10
2,78	7/64	46	14,0	00 301002781 00	10
3,10		49	14,0	00 301003101 00	10
3,18	1/8	49	14,0	00 301003181 00	10
3,20		49	14,0	00 301003201 00	10
3,25		49	14,0	00 301003251 00	10
3,30		49	14,0	00 301003301 00	10
3,57	9/64	52	17,0	00 301003571 00	10
3,97	5/32	55	17,0	00 301003971 00	10
4,10		55	17,0	00 301004101 00	10
4,20		55	17,0	00 301004201 00	10
4,37	11/64	58	20,0	00 301004371 00	10
4,76	3/16	62	20,0	00 301004761 00	10
4,90		62	20,0	00 301004901 00	10
5,00		62	20,0	00 301005001 00	10
5,10		62	20,0	00 301005101 00	10
5,16	13/64	62	20,0	00 301005161 00	10
5,20		62	20,0	00 301005201 00	10
5,56	7/32	66	23,0	00 301005561 00	10
6,35	1/4	70	23,0	00 301006351 00	10



Metall- und Edelstahlbohrer
 Metal drills and stainless steel drills
 Broca para metal y broca de acero inoxidable

D HSS Spiralbohrer, extra kurz, mit reduziertem Schaft
Ø 12,7 mm (1/2")

Einsatzbereich:

Universeller Spiralbohrer, hohe Elastizität. Sehr gut geeignet für den Einsatz in Handbohrmaschinen, zum Bearbeiten von legiertem und unlegiertem Stahl.



Schneller Bohrfortschritt
Fast drilling progress
Avance de perforación rápido



Elastisch
Resilient
Elástica



Bruchstabil
Break-resistant
Resistente a la rotura

E HSS twist drill, extra short, with reduced shank
Ø 12,7 mm (1/2")

Range of application:

HSS twist drill: toughness and precision combined with excellent cutting efficiency for drilling alloyed carbon and plain steel. Ideal for hand held operations.

ES Broca espiral HSS, extra corta, con eje reducido
Ø 12,7 mm (1/2")

Aplicación:

Broca espiral universal, alta elasticidad. Muy adecuada para su uso en taladradoras manuales. Para el procesamiento de acero aleado y no aleado.



Gewerbepack
Industrial packing
Paquete industrial



Ø mm	Ø inch	l1 mm	l2 mm		Code 734 Art.-Nr.	Inh. Cont.
14,28	9/16	157	84	12,7 mm (1/2")	00 734014281 00	1
15,87	5/8	157	84	12,7 mm (1/2")	00 734015871 00	1
17,46	11/16	158	85	12,7 mm (1/2")	00 734017461 00	1
19,05	3/4	158	85	12,7 mm (1/2")	00 734019051 00	1
20,64	13/16	159	86	12,7 mm (1/2")	00 734020641 00	1
21,00		159	86	12,7 mm (1/2")	00 734021001 00	1
22,00		159	86	12,7 mm (1/2")	00 734022001 00	1
22,22	7/8	159	86	12,7 mm (1/2")	00 734022221 00	1
23,00		159	86	12,7 mm (1/2")	00 734023001 00	1
23,81	15/16	160	87	12,7 mm (1/2")	00 734023811 00	1
24,00		160	87	12,7 mm (1/2")	00 734024001 00	1
25,00		160	87	12,7 mm (1/2")	00 734025001 00	1
25,40	1	160	87	12,7 mm (1/2")	00 734025401 00	1

D HSS Cobalt Spiralbohrer, kurz, DIN 338 R-AS
E HSS Cobalt jobber drills, DIN 338 R-AS
ES Broca espiral HSS Cobalt, corta, DIN 338 R-AS
Einsatzbereich:

5% kobaltlegierter Spezialbohrer in sehr stabiler Bauweise für sehr schwer zerspanbare Werkstoffe wie **rost- und säurebeständige austenitische Stähle** sowie hitzebeständige Stähle.



Rostfreie Stähle
Stainless steels
Aceros inoxidables



Bruchstabil
Break-resistant
Resistente a la rotura



Industriequalität
Industrial quality
Calidad Industrial

Range of application:

5% cobalt-alloyed drills in a solid sturdy construction, specially suitable for **stainless austenitic steels** as well as heat resistant steels.

Aplicación:

Broca especial con 5% de aleación de cobalto, especialmente estable, materiales muy difícilmente mecanizables con virutaje, **aceros austeníticos resistentes a los ácidos y la corrosión, así como aceros resistentes al calor.**



Gewerbepack
Industrial packing
Paquete industrial



Ø	l1	l2	Code 663	Inh.
mm	mm	mm	Art.-Nr.	Cont.
2,00	49	24	00 663002001 00	10
2,10	49	24	00 663002101 00	10
2,20	53	27	00 663002201 00	10
2,30	53	27	00 663002301 00	10
2,40	57	30	00 663002401 00	10
2,50	57	30	00 663002501 00	10
2,60	57	30	00 663002601 00	10
2,70	61	33	00 663002701 00	10
2,80	61	33	00 663002801 00	10
2,90	61	33	00 663002901 00	10
3,00	61	33	00 663003001 00	10
3,10	65	36	00 663003101 00	10
3,20	65	36	00 663003201 00	10
3,30	65	36	00 663003301 00	10
3,40	70	39	00 663003401 00	10
3,50	70	39	00 663003501 00	10
3,60	70	39	00 663003601 00	10
3,70	70	39	00 663003701 00	10
3,80	75	43	00 663003801 00	10
3,90	75	43	00 663003901 00	10
4,00	75	43	00 663004001 00	10
4,10	75	43	00 663004101 00	10
4,20	75	43	00 663004201 00	10
4,30	80	47	00 663004301 00	10
4,40	80	47	00 663004401 00	10
4,50	80	47	00 663004501 00	10
4,60	80	47	00 663004601 00	10
4,70	80	47	00 663004701 00	10



Metall- und Edelstahlbohrer
 Metal drills and stainless steel drills
 Broca para metal y broca de acero inoxidable

Gewerbepack
Industrial packing
Paquete industrial

Ø	l1	l2	Code 663	Inh.
mm	mm	mm	Art.-Nr.	Cont.
4,80	86	52	00 663004801 00	10
4,90	86	52	00 663004901 00	10
5,00	86	52	00 663005001 00	10
5,10	86	52	00 663005101 00	10
5,20	86	52	00 663005201 00	10
5,30	86	52	00 663005301 00	10
5,40	93	57	00 663005401 00	10
5,50	93	57	00 663005501 00	10
5,60	93	57	00 663005601 00	10
5,70	93	57	00 663005701 00	10
5,80	93	57	00 663005801 00	10
5,90	93	57	00 663005901 00	10
6,00	93	57	00 663006001 00	10
6,10	101	63	00 663006101 00	10
6,20	101	63	00 663006201 00	10
6,30	101	63	00 663006301 00	10
6,40	101	63	00 663006401 00	10
6,50	101	63	00 663006501 00	10
6,60	101	63	00 663006601 00	10
6,70	101	63	00 663006701 00	10
6,80	109	69	00 663006801 00	10
6,90	109	69	00 663006901 00	10
7,00	109	69	00 663007001 00	10
7,10	109	69	00 663007101 00	10
7,20	109	69	00 663007201 00	10
7,30	109	69	00 663007301 00	10
7,40	109	69	00 663007401 00	10
7,50	109	69	00 663007501 00	10
7,60	117	75	00 663007601 00	10
7,70	117	75	00 663007701 00	10
7,80	117	75	00 663007801 00	10
7,90	117	75	00 663007901 00	10
8,00	117	75	00 663008001 00	10
8,10	117	75	00 663008101 00	10
8,20	117	75	00 663008201 00	10
8,30	117	75	00 663008301 00	10
8,40	117	75	00 663008401 00	10
8,50	117	75	00 663008501 00	10
8,60	125	81	00 663008601 00	10
8,70	125	81	00 663008701 00	10
8,80	125	81	00 663008801 00	10
8,90	125	81	00 663008901 00	10
9,00	125	81	00 663009001 00	10
9,10	125	81	00 663009101 00	10
9,20	125	81	00 663009201 00	10
9,30	125	81	00 663009301 00	10
9,40	125	81	00 663009401 00	10
9,50	125	81	00 663009501 00	10
9,60	133	87	00 663009601 00	10
9,70	133	87	00 663009701 00	10
9,80	133	87	00 663009801 00	10
9,90	133	87	00 663009901 00	10
10,00	133	87	00 663010001 00	10
10,20	133	87	00 663010201 00	5
10,50	133	87	00 663010501 00	5
11,00	142	94	00 663011001 00	5
11,50	142	94	00 663011501 00	5
12,00	151	101	00 663012001 00	5
12,50	151	101	00 663012501 00	5
13,00	151	101	00 663013001 00	5

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Hand Tools](#) category:

Click to view products by [Alpen-Maykestag](#) manufacturer:

Other Similar products are found below :

[568681-1](#) [576786-2](#) [58061-1](#) [58176-1](#) [58177-1](#) [58177-2](#) [58284-1](#) [59085](#) [0031](#) [59737-5](#) [015-0339-000](#) [015-8755-001](#) [600-146-06](#) [M15570-25](#) [62200-5709](#) [6-304052-1](#) [63443-1002](#) [63443-3513](#) [63443-4025](#) [63443-7114](#) [6-354778-5](#) [6-354779-2](#) [63600-2995](#) [63810-0105](#) [M8196914-08](#) [M819698-07](#) [662508-1](#) [662908-1](#) [679994-1](#) [679994-2](#) [68764-0001](#) [69001-0105](#) [69002-5525](#) [690124-7](#) [690191-1](#) [690191-4](#) [690696-1](#) [691409-4](#) [691667-1](#) [692006-2](#) [692655-7](#) [692776-1](#) [692776-4](#) [693077-3](#) [693077-4](#) [693597-1](#) [D20418-137](#) [D20419-189](#) [ESR-17x17](#) [ET-LY10](#)