



PRO



Spezialanschliff

Kein Ankörnen erforderlich, weniger
Vorschubdruck notwendig

Special split point

No center punching required, less
feed pressure needed

Punta afi lada especial

No es preciso el graneteado, necesita
menor presión de avance

Präzisionsgeschliffen

Precision ground

Afilada con precisión

Hochwertige Stahlqualität

High quality steel grade

Alta calidad de acero



drill better.
alpen

D HSS Spiralbohrer, kurz, DIN 338 RN

E HSS jobber drills, DIN 338 RN

ES Broca espiral HSS, corta, DIN 338 RN

Einsatzbereich:

Präzisionsgeschliffener Spiralbohrer mit **speziellem Kreuzanschliff**, engen Toleranzen und hoher Rundlaufgenauigkeit. Zum Bearbeiten von legiertem und unlegiertem Stahl.

Range of application:

HSS twist drill ground from solid, **special split point**. bright finish: toughness and precision combined with excellent cutting efficiency for drilling alloyed carbon and plain steel.

Aplicación:

Broca espiral afilada con precisión, **con punta afilada en cruz especial**, tolerancias estrechas y alta precisión de concentricidad. Para el procesamiento de acero aleado y no aleado.



Optimale Bohrleistung durch Spezialanschliff
Optimum drilling performance thanks to a special point shape
Óptima potencia de taladrado gracias a su punta afilada especial



Präzisionsgeschliffen
Precision ground
Afilada con precisión



Punktgenaues Anbohren
Highly accurate centering
Perforación de gran precisión



Oberfläche: blank
Surface: bright
Superficie: brillante

Plastiktasche
Plastic wallet
Embalaje de plástico



Gewerbepack
Industrial packing
Paquete industrial



Ø mm	Ø inch	l1 mm	l2 mm	Code 184 Art.-Nr.	Inh. Cont.		Code 954 Art.-Nr.	Inh. Cont.
1,00		34	12	00 184001001 00	1	10	00 954001001 00	10
1,10		36	14				00 954001101 00	10
1,19	3/64	38	16				00 954001191 00	10
1,20		38	16				00 954001201 00	10
1,30		38	16				00 954001301 00	10
1,40		40	18				00 954001401 00	10
1,50		40	18	00 184001501 00	1	10	00 954001501 00	10
1,59	1/16	43	20				00 954001591 00	10
1,60		43	20				00 954001601 00	10
1,70		43	20				00 954001701 00	10
1,80		46	22				00 954001801 00	10
1,90		49	24				00 954001901 00	10
1,98	5/64	49	24				00 954001981 00	10
2,00		49	24	00 184002001 00	1	10	00 954002001 00	10
2,10		49	24				00 954002101 00	10
2,20		53	27				00 954002201 00	10
2,30		53	27				00 954002301 00	10
2,38	3/32	57	30				00 954002381 00	10
2,40		57	30				00 954002401 00	10
2,50		57	30	00 184002501 00	1	10	00 954002501 00	10
2,60		57	30				00 954002601 00	10
2,70		61	33				00 954002701 00	10
2,78	7/64	61	33				00 954002781 00	10

⁽¹⁾ ≥ Ø 3,00 mm



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

				Plastiktasche Plastic wallet Embalaje de plástico			Gewerbepack Industrial packing Paquete industrial	
Ø	Ø	l1	l2	Code 184	Inh.		Code 954	Inh.
mm	inch	mm	mm	Art.-Nr.	Cont.		Art.-Nr.	Cont.
2,80		61	33				00 954002801 00	10
2,90		61	33				00 954002901 00	10
3,00		61	33	00 184003001 00	1	10	00 954003001 00	10
3,10		65	36				00 954003101 00	10
3,18	1/8	65	36				00 954003181 00	10
3,20		65	36	00 184003201 00	1	10	00 954003201 00	10
3,30		65	36	00 184003301 00	1	10	00 954003301 00	10
3,40		70	39				00 954003401 00	10
3,50		70	39	00 184003501 00	1	10	00 954003501 00	10
3,57	9/64	70	39				00 954003571 00	10
3,60		70	39				00 954003601 00	10
3,70		70	39				00 954003701 00	10
3,80		75	43				00 954003801 00	10
3,90		75	43				00 954003901 00	10
3,97	5/32	75	43				00 954003971 00	10
4,00		75	43	00 184004001 00	1	10	00 954004001 00	10
4,10		75	43				00 954004101 00	10
4,20		75	43	00 184004201 00	1	10	00 954004201 00	10
4,30		80	47				00 954004301 00	10
4,37	11/64	80	47				00 954004371 00	10
4,40		80	47				00 954004401 00	10
4,50		80	47	00 184004501 00	1	10	00 954004501 00	10
4,60		80	47				00 954004601 00	10
4,70		80	47				00 954004701 00	10
4,76	3/16	80	47				00 954004761 00	10
4,80		86	52	00 184004801 00	1	10	00 954004801 00	10
4,90		86	52				00 954004901 00	10
5,00		86	52	00 184005001 00	1	10	00 954005001 00	10
5,10		86	52				00 954005101 00	10
5,16	13/64	86	52				00 954005161 00	10
5,20		86	52				00 954005201 00	10
5,30		86	52				00 954005301 00	10
5,40		93	57				00 954005401 00	10
5,50		93	57	00 184005501 00	1	10	00 954005501 00	10
5,56	7/32	93	57				00 954005561 00	10
5,60		93	57				00 954005601 00	10
5,70		93	57				00 954005701 00	10
5,80		93	57				00 954005801 00	10
5,90		93	57				00 954005901 00	10
5,95	15/64	93	57				00 954005951 00	10
6,00		93	57	00 184006001 00	1	10	00 954006001 00	10
6,10		101	63				00 954006101 00	10
6,20		101	63				00 954006201 00	10
6,30		101	63				00 954006301 00	10
6,35	1/4	101	63				00 954006351 00	10
6,40		101	63				00 954006401 00	10
6,50		101	63	00 184006501 00	1	10	00 954006501 00	10
6,60		101	63				00 954006601 00	10
6,70		101	63				00 954006701 00	10
6,75	17/64	109	69				00 954006751 00	10
6,80		109	69	00 184006801 00	1	10	00 954006801 00	10
6,90		109	69				00 954006901 00	10
7,00		109	69	00 184007001 00	1	10	00 954007001 00	10
7,10		109	69				00 954007101 00	10
7,14	9/32	109	69				00 954007141 00	10
7,20		109	69				00 954007201 00	10
7,30		109	69				00 954007301 00	10

				Plastiktasche <i>Plastic wallet</i> <i>Embalaje de plástico</i>			Gewerbepack <i>Industrial packing</i> <i>Paquete industrial</i>	
Ø	Ø	l1	l2	Code 184	Inh.	☐	Code 954	Inh.
mm	inch	mm	mm	Art.-Nr.	Cont.		Art.-Nr.	Cont.
7,40		109	69				00 954007401 00	10
7,50		109	69	00 184007501 00	1	10	00 954007501 00	10
7,54	19/64	117	75				00 954007541 00	10
7,60		117	75				00 954007601 00	10
7,70		117	75				00 954007701 00	10
7,80		117	75				00 954007801 00	10
7,90		117	75				00 954007901 00	10
7,94	5/16	117	75				00 954007941 00	10
8,00		117	75	00 184008001 00	1	10	00 954008001 00	10
8,10		117	75				00 954008101 00	10
8,20		117	75				00 954008201 00	10
8,30		117	75				00 954008301 00	10
8,33	21/64	117	75				00 954008331 00	10
8,40		117	75				00 954008401 00	10
8,50		117	75	00 184008501 00	1	10	00 954008501 00	10
8,60		125	81				00 954008601 00	10
8,70		125	81				00 954008701 00	10
8,73	11/32	125	81				00 954008731 00	10
8,80		125	81				00 954008801 00	10
8,90		125	81				00 954008901 00	10
9,00		125	81	00 184009001 00	1	10	00 954009001 00	10
9,10		125	81				00 954009101 00	10
9,13	23/64	125	81				00 954009131 00	10
9,20		125	81				00 954009201 00	10
9,30		125	81				00 954009301 00	10
9,40		125	81				00 954009401 00	10
9,50		125	81	00 184009501 00	1	10	00 954009501 00	10
9,53	3/8	133	87				00 954009531 00	10
9,60		133	87				00 954009601 00	10
9,70		133	87				00 954009701 00	10
9,80		133	87				00 954009801 00	10
9,90		133	87				00 954009901 00	10
9,92	25/64	133	87				00 954009921 00	10
10,00		133	87	00 184010001 00	1	10	00 954010001 00	10
10,20		133	87	00 184010201 00	1	10	00 954010201 00	5
10,32	13/32	133	87				00 954010321 00	5
10,50		133	87	00 184010501 00	1	10	00 954010501 00	5
10,72	27/64	142	94				00 954010721 00	5
11,00		142	94	00 184011001 00	1	10	00 954011001 00	5
11,11	7/16	142	94				00 954011111 00	5
11,50		142	94	00 184011501 00	1	10	00 954011501 00	5
11,51	29/64	142	94				00 954011511 00	5
11,91	15/32	151	101				00 954011911 00	5
12,00		151	101	00 184012001 00	1	10	00 954012001 00	5
12,30	31/64	151	101				00 954012301 00	5
12,50		151	101	00 184012501 00	1	10	00 954012501 00	5
12,70	1/2	151	101				00 954012701 00	5
13,00		151	101	00 184013001 00	1	10	00 954013001 00	5



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



Set!

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321 y siguientes

D HSS Spiralbohrer,
ähnlich DIN 338 RN mit
1/4"-Sechskantschaft

Einsatzbereich:

Wie Code 184/954, zusätzlich passend für jeden Standard-Akkuschrauber und Universal-Halter (Bithalter) durch genormtes Schaftprofil. Spannung auch in konventionellen Bohrfuttern – kein Durchrutschen durch Sechskantschaft.



Optimale Bohrleistung durch Spezialanschiff
Optimum drilling performance thanks to a special point shape
Óptima potencia de taladrado gracias a su punta afilada especial

E HSS jobber drills,
sim. to DIN 338 RN with
1/4" hexagonal shank

Range of application:

Same as Code 184/954, additionally suitable for any standard cordless drill thanks to its standardized shank profile. Suitable for all universal holders (bit holders). Can also be clamped in conventional drill chucks – no slipping owing to the hexagonal shank.



Präzisionsgeschliffen
Precision ground
Afilada con precisión

E Brocas espirales HSS semejantes
a DIN 338 RN con eje
hexagonal 1/4"

Aplicación:

Igual que el código 184/954, apta además para todos los destornilladores a batería estándar y soportes universales (soporte de broca) gracias a su perfil de eje normativo. Tensión incluso en portabrocas convencionales, no se desliza gracias al eje hexagonal.



Punktgenaues Anbohren
Highly accurate centering
Perforación de gran precisión



Plastiktasche
Plastic wallet
Embalaje de plástico



Ø mm	l1 mm	l2 mm		Code 952 Art.-Nr.	Inh. Cont.	
2,00	62	24	1/4"	00 952002001 00	1	10
3,00	74	33	1/4"	00 952003001 00	1	10
4,00	88	43	1/4"	00 952004001 00	1	10
5,00	100	52	1/4"	00 952005001 00	1	10
6,00	107	57	1/4"	00 952006001 00	1	10
8,00	117	75	1/4"	00 952008001 00	1	10



Set!



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y siguientes

⁽¹⁾ ≥ Ø 3.00 mm

⁽²⁾ Schaft nach DIN 3126, Form E6.3, ISO 1173 / Shank DIN 3126, Form E6.3, ISO 1173 / Eje según DIN 3126, forma E6.3, ISO 1173

**D HSS Spiralbohrer,
kurz, DIN 338 RN**
Einsatzbereich:

Spiralbohrer präzisionsgeschliffen, mit engen Toleranzen und hoher Rundlaufgenauigkeit. Zum Bearbeiten von legiertem und unlegiertem Stahl.

**E HSS jobber drills,
DIN 338 RN**
Range of application:

HSS twist drill ground from solid, bright finish: toughness and precision combined with excellent cutting efficiency for drilling alloyed carbon and plain steel.

**ES Broca espiral HSS,
corta, DIN 338 RN**
Aplicación:

Broca espiral afilada con precisión, con tolerancias estrechas y alta precisión de concentricidad. Para el procesamiento de acero aleado y no aleado.



Präzisionsgeschliffen
Precision ground
Afilada con precisión



Scharfe Schneiden
Sharp cutting edges
Filos bien afilados



Bruchstabil
Break-resistant
Resistente a la rotura



Oberfläche: blank
Surface: bright
Superficie: brillante

Plastiktasche
Plastic wallet
Embalaje de plástico



Gewerbepack
Industrial packing
Paquete industrial



Ø mm	Ø inch	l1 mm	l2 mm	Code 181 Art.-Nr.	Inh. Cont.		Code 951 Art.-Nr.	Inh. Cont.
1,00		34	12	00 181001001 00	3	10	00 951001001 00	10
1,10		36	14				00 951001101 00	10
1,19	3/64	38	16				00 951001191 00	10
1,20		38	16				00 951001201 00	10
1,30		38	16				00 951001301 00	10
1,40		40	18				00 951001401 00	10
1,50		40	18	00 181001501 00	3	10	00 951001501 00	10
1,59	1/16	43	20				00 951001591 00	10
1,60		43	20				00 951001601 00	10
1,70		43	20				00 951001701 00	10
1,80		46	22				00 951001801 00	10
1,90		49	24				00 951001901 00	10
1,98	5/64	49	24				00 951001981 00	10
2,00		49	24	00 181002001 00	3	10	00 951002001 00	10
2,10		49	24				00 951002101 00	10
2,20		53	27				00 951002201 00	10
2,30		53	27				00 951002301 00	10
2,38	3/32	57	30				00 951002381 00	10
2,40		57	30				00 951002401 00	10
2,50		57	30	00 181002501 00	3	10	00 951002501 00	10
2,60		57	30				00 951002601 00	10
2,70		61	33				00 951002701 00	10
2,78	7/64	61	33				00 951002781 00	10
2,80		61	33				00 951002801 00	10
2,90		61	33				00 951002901 00	10



Metall- und Edelstahlbohrer
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>	
Ø	Ø	l1	l2	Code 181	Inh.		Code 951	Inh.
mm	inch	mm	mm	Art.-Nr.	Cont.		Art.-Nr.	Cont.
3,00		61	33	00 181003001 00	3	10	00 951003001 00	10
3,10		65	36				00 951003101 00	10
3,18	1/8	65	36				00 951003181 00	10
3,20		65	36	00 181003201 00	3	10	00 951003201 00	10
3,30		65	36	00 181003301 00	3	10	00 951003301 00	10
3,40		70	39				00 951003401 00	10
3,50		70	39	00 181003501 00	2	10	00 951003501 00	10
3,57	9/64	70	39				00 951003571 00	10
3,60		70	39				00 951003601 00	10
3,70		70	39				00 951003701 00	10
3,80		75	43				00 951003801 00	10
3,90		75	43				00 951003901 00	10
3,97	5/32	75	43				00 951003971 00	10
4,00		75	43	00 181004001 00	2	10	00 951004001 00	10
4,10		75	43				00 951004101 00	10
4,20		75	43	00 181004201 00	2	10	00 951004201 00	10
4,30		80	47				00 951004301 00	10
4,37	11/64	80	47				00 951004371 00	10
4,40		80	47				00 951004401 00	10
4,50		80	47	00 181004501 00	2	10	00 951004501 00	10
4,60		80	47				00 951004601 00	10
4,70		80	47				00 951004701 00	10
4,76	3/16	80	47				00 951004761 00	10
4,80		86	52	00 181004801 00	2	10	00 951004801 00	10
4,90		86	52				00 951004901 00	10
5,00		86	52	00 181005001 00	2	10	00 951005001 00	10
5,10		86	52				00 951005101 00	10
5,16	13/64	86	52				00 951005161 00	10
5,20		86	52				00 951005201 00	10
5,30		86	52				00 951005301 00	10
5,40		93	57				00 951005401 00	10
5,50		93	57	00 181005501 00	2	10	00 951005501 00	10
5,56	7/32	93	57				00 951005561 00	10
5,60		93	57				00 951005601 00	10
5,70		93	57				00 951005701 00	10
5,80		93	57				00 951005801 00	10
5,90		93	57				00 951005901 00	10
5,95	15/64	93	57				00 951005951 00	10
6,00		93	57	00 181006001 00	2	10	00 951006001 00	10
6,10		101	63				00 951006101 00	10
6,20		101	63				00 951006201 00	10
6,30		101	63				00 951006301 00	10
6,35	1/4	101	63				00 951006351 00	10
6,40		101	63				00 951006401 00	10
6,50		101	63	00 181006501 00	1	10	00 951006501 00	10
6,60		101	63				00 951006601 00	10
6,70		101	63				00 951006701 00	10
6,75	17/64	109	69				00 951006751 00	10
6,80		109	69	00 181006801 00	1	10	00 951006801 00	10
6,90		109	69				00 951006901 00	10
7,00		109	69	00 181007001 00	1	10	00 951007001 00	10
7,10		109	69				00 951007101 00	10
7,14	9/32	109	69				00 951007141 00	10
7,20		109	69				00 951007201 00	10
7,30		109	69				00 951007301 00	10
7,40		109	69				00 951007401 00	10
7,50		109	69	00 181007501 00	1	10	00 951007501 00	10

				Plastiktasche <i>Plastic wallet</i> <i>Embalaje de plástico</i>			Gewerbepack <i>Industrial packing</i> <i>Paquete industrial</i>	
Ø	Ø	l1	l2	Code 181	Inh.		Code 951	Inh.
mm	inch	mm	mm	Art.-Nr.	Cont.		Art.-Nr.	Cont.
7,54	19/64	117	75				00 951007541 00	10
7,60		117	75				00 951007601 00	10
7,70		117	75				00 951007701 00	10
7,80		117	75				00 951007801 00	10
7,90		117	75				00 951007901 00	10
7,94	5/16	117	75				00 951007941 00	10
8,00		117	75	00 181008001 00	1	10	00 951008001 00	10
8,10		117	75				00 951008101 00	10
8,20		117	75				00 951008201 00	10
8,30		117	75				00 951008301 00	10
8,33	21/64	117	75				00 951008331 00	10
8,40		117	75				00 951008401 00	10
8,50		117	75	00 181008501 00	1	10	00 951008501 00	10
8,60		125	81				00 951008601 00	10
8,70		125	81				00 951008701 00	10
8,73	11/32	125	81				00 951008731 00	10
8,80		125	81				00 951008801 00	10
8,90		125	81				00 951008901 00	10
9,00		125	81	00 181009001 00	1	10	00 951009001 00	10
9,10		125	81				00 951009101 00	10
9,13	23/64	125	81				00 951009131 00	10
9,20		125	81				00 951009201 00	10
9,30		125	81				00 951009301 00	10
9,40		125	81				00 951009401 00	10
9,50		125	81	00 181009501 00	1	10	00 951009501 00	10
9,53	3/8	133	87				00 951009531 00	10
9,60		133	87				00 951009601 00	10
9,70		133	87				00 951009701 00	10
9,80		133	87				00 951009801 00	10
9,90		133	87				00 951009901 00	10
9,92	25/64	133	87				00 951009921 00	10
10,00		133	87	00 181010001 00	1	10	00 951010001 00	10
10,20		133	87	00 181010201 00	1	10	00 951010201 00	5
10,32	13/32	133	87				00 951010321 00	5
10,50		133	87	00 181010501 00	1	10	00 951010501 00	5
10,72	27/64	142	94				00 951010721 00	5
11,00		142	94	00 181011001 00	1	10	00 951011001 00	5
11,11	7/16	142	94				00 951011111 00	5
11,50		142	94	00 181011501 00	1	10	00 951011501 00	5
11,51	29/64	142	94				00 951011511 00	5
11,91	15/32	151	101				00 951011911 00	5
12,00		151	101	00 181012001 00	1	10	00 951012001 00	5
12,30	31/64	151	101				00 951012301 00	5
12,50		151	101	00 181012501 00	1	10	00 951012501 00	5
12,70	1/2	151	101				00 951012701 00	5
13,00		151	101	00 181013001 00	1	10	00 951013001 00	5



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