



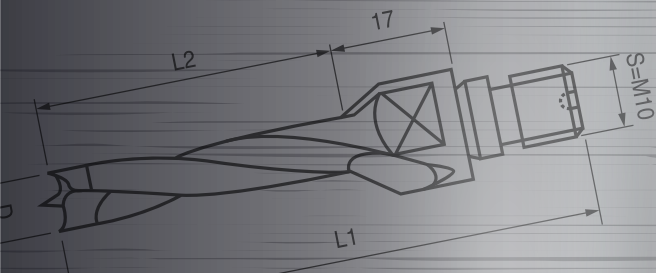
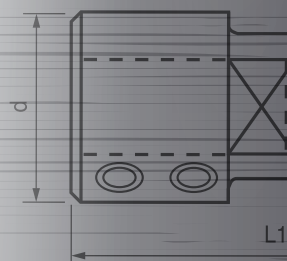
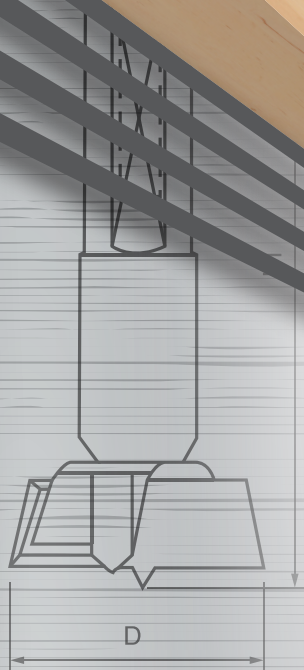
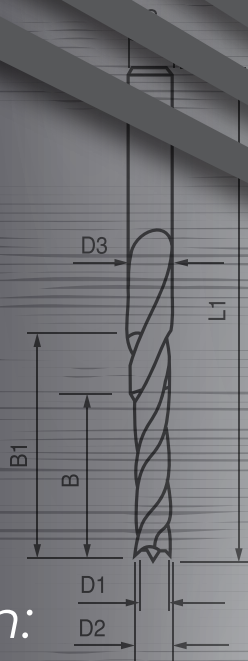
BANER
TOOLS

Professional Cutting Tools

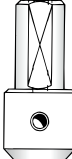


CATALOGUE 2020

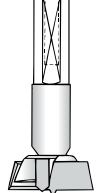
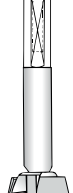
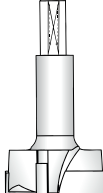
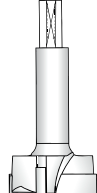
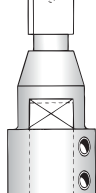
Section:
G - Boring

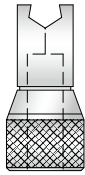


G001 pag. 5	G002 pag. 5	G003 pag. 6	G004 pag. 6	G005 pag. 7
				
✚ Drill for multi-boring machines	✚ Drill for multi-boring machines	✚ Dowel drill for multi-boring machines	✚ Dowel drill for multi-boring machines	✚ Solid carbide twist drill for small diameter holes
🇮🇹 Punta per foratrici multiple	🇮🇹 Punta per foratrici multiple	🇮🇹 Punta componibile per foratrici multiple	🇮🇹 Punta componibile per foratrici multiple	🇮🇹 Punta integrale per piccoli fori
🇩🇪 Dübellochbohrer	🇩🇪 Dübellochbohrer	🇩🇪 Dübellochbohrer	🇩🇪 Dübellochbohrer	🇩🇪 Hwm-spiralbohrer für kleine durchmesser

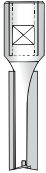
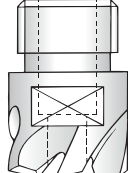
G006 pag. 7	G007 pag. 8	G008 pag. 8	G009 pag. 9	G010 pag. 9
				
✚ Chuck for solid carbide drills	✚ Through bore dowel drill for multi-boring machines	✚ Through bore dowel drill for multi-boring machines	✚ Through bore dowel drill for multi-boring machines	✚ Solid carbide through bore drill
🇮🇹 Mandrino per punte integrali	🇮🇹 Punta componibile per foratrici multiple - fori passanti	🇮🇹 Punta componibile per foratrici multiple - fori passanti	🇮🇹 Punta componibile per foratrici multiple - fori passanti	🇮🇹 Punta componibili in widia integrale per fori passanti
🇩🇪 Reduzierfutter für vollhartmetall - bohrer	🇩🇪 Hw durchgangsbohrer	🇩🇪 Hw durchgangsbohrer	🇩🇪 Hw durchgangsbohrer	🇩🇪 Hwm durchgangsbohrer

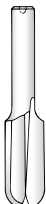
G011 pag. 9	G012 pag. 10	G013 pag. 10	G014 pag. 11	G015 pag. 12
				
✚ Solid carbide dowel drill	✚ Durox - hw dowel drill	✚ Durox - hw through bore drill	✚ Dowel drill with counter-sink	✚ Solid carbide dowel drill
🇮🇹 Punta componibili in widia integrale	🇮🇹 Punta componibile in widia "durox" - affilatura speciale	🇮🇹 Punta componibile in widia "durox" - affilatura speciale - passante	🇮🇹 Punta svasatore per foratrici multiple	🇮🇹 Punta componibili in widia integrale
🇩🇪 Hwm - dübelsbohrer	🇩🇪 Durox-hw dübellochbohrer	🇩🇪 Zylinderkopfbohrer	🇩🇪 Stufensenker	🇩🇪 Hwm - dübelsbohrer

G016 pag. 12	G017 pag. 13	G018 pag. 14	G019 pag. 15	G020 pag. 15
				
✚ Cylinder boring bit	✚ Cylinder boring bit	✚ Cylinder boring bit with multiple chip breaker	✚ Cylinder boring bit with multiple chip breaker	✚ Chuck for dowel drills
🇮🇹 Punta per fori di precisione	🇮🇹 Punta per fori di precisione	🇮🇹 Punta per fori di precisione con rompitru-ciolo multiplo	🇮🇹 Punta per fori di precisione con rompitru-ciolo multiplo	🇮🇹 Mandrino per punte componibili
🇩🇪 Zylinderkopfbohrer	🇩🇪 Zylinderkopfbohrer	🇩🇪 Zylinderkopfbohrer mitspanbrecher	🇩🇪 Zylinderkopfbohrer mitspanbrecher	🇩🇪 Spann futter für dübellochbohrer

G021 pag. 15	G022 pag. 15	G023 pag. 16	G024 pag. 16	G025 pag. 16
				
✚ Chuck for dowel drills	✚ Chuck for dowel drills	✚ Chuck for cylinder boring bits	✚ Counterbore twist drill	✚ Counterbore twist drill
🇮🇹 Mandrino per punte componibili	🇮🇹 Mandrino per punte componibili	🇮🇹 Mandrino per punte levano di	🇮🇹 Punta per doppi fori	🇮🇹 Punta per doppi fori
🇩🇪 Spann futter für dübel-lochbohrer	🇩🇪 Spann futter für dübellochbohrer	🇩🇪 Reduzierfutter für astochbohrer	🇩🇪 Stufenbohrer	🇩🇪 Stufenbohrer

G026 pag. 17	G027 pag. 17	G028 pag. 17	G029 pag. 18	G030 pag. 18
				
✚ HS ANUBA Step Drills Z2	✚ 3-Diameter HW Drills Adjustable Z2	✚ HW/HS 3-Diameter Bits ANUBA Z2	✚ HS ANUBA Twist Drills Z2	✚ Drill for locks
🇮🇹 Punta per ANUBA HS Z2	🇮🇹 Punta a tre diametri regolabili HW Z2	🇮🇹 Punta a tre Diametri per ANUBA Z2	🇮🇹 Punta per ANUBA HS Z2	🇮🇹 Punta per cavatrici
🇩🇪 HS ANUBA Stufenbohrer Z2	🇩🇪 HW Stufenbohrer 3-Stufig Verstellbar Z2	🇩🇪 Stufenbohrer ANUBA Z2	🇩🇪 HS ANUBA Stufenbohrer Z2	🇩🇪 Kunstbohrer

G031 pag. 18	G032 pag. 18	G033 pag. 19	G034 pag. 19	G035 pag. 19
				
✚ Drill for locks	✚ Drill for locks	✚ Slot mortise bits	✚ Slot mortise bits	✚ Cutter to wiredraw straight slots
🇮🇹 Punta per cavatrici	🇮🇹 Punta per cavatrici	🇮🇹 Punta per mortasare a bocca di pesce	🇮🇹 Punta per mortasare a bocca di pesce	🇮🇹 Fresa per trafila bastoncini
🇩🇪 Kunstbohrer	🇩🇪 Kunstbohrer	🇩🇪 Pendelschlitzbohrer	🇩🇪 Pendelschlitzbohrer	🇩🇪 Dübelfräser

G036 pag. 20	G037 pag. 20
	
✚ Flat bottomed drill for carving machines	✚ Round bottomed drill for carving machines
🇮🇹 Punta scolpitrice a fondo piano	🇮🇹 Punta scolpitrice a fondo tondo
🇩🇪 Flache bohrer für schnitzmaschinen	🇩🇪 Runde bohrer für schnitzmaschinen

Technical information

Nozioni tecniche

Technische Informationen

Cutting Speed

The cutting speed (Vc) is the distance the cutting edge covers per second (m/s) and it is calculated with the following formula:

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ [m/s]}$$

D = cutting diameter [mm]
n = RPM [da k-1]
 $\pi = 3,14$

Velocità di taglio

La velocità di taglio (Vc) e' la distanza percorsa da un tagliente in un secondo (m/s) e si calcola con questa formula:

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ [m/s]}$$

D = diametro di taglio [mm]
n = RPM [da k-1]
 $\pi = 3,14$

Die Schnittgeschwindigkeit

Die Schnittgeschwindigkeit (Vc) ist die zurückgelegte Distanz einer Schneide in einer Sekunde und wird durch die folgende Formel berechnet :

$$V_c = \frac{D \times \pi \times n}{1000 \times 60} \text{ [m/s]}$$

D = Werkzeugdurchmesser [mm]
n = RPM [da k-1]
 $\pi = 3,14$

Feeding speed

The feeding speed (Vf) depends on RPM, the number of cutting edges and the chip load. To reduce the machining time an estimated Va is usually set and then increased up to the achievement of a good finish. This value can be calculated with the following formula:

$$V_f = \frac{F_z \times Z \times n}{1000} \text{ [m/min]}$$

Fz = chip load (feed per cutting edge)
Z = number of teeth
n = RPM [da k-1]

Velocità di avanzamento

La velocità di avanzamento (Vf) dipende dal numero di giri dell'utensile, dal numero dei taglienti e dall'avanzamento dei taglienti. Di regola per ridurre i tempi di lavorazione si imposta un valore e poi si aumenta la VA fino a che si è soddisfatti della finitura superficiale. I valori si possono calcolare con la formula:

$$V_f = \frac{F_z \times Z \times n}{1000} \text{ [m/min]}$$

Fz = avanzamento del tagliente (mm)
Z = number of denti
n = RPM [da k-1]

Vorschubgeschwindigkeit

Die Vorschubgeschwindigkeit (Vf) hängt von der Drehzahl, von der Zähnezahl und vom Zahnvorschub. Um die Bearbeitungszeit zu verkürzen, wird normalerweise einen Wert eingestellt und dann erhöht bis zum Erreichen einer guten Oberfläche. Man kann diese Werte durch die folgende Formel berechnen :

$$V_t = \frac{F_z \times Z \times n}{1000} \text{ [m/min]}$$

Fz = Zahnvorschub (mm)
Z = Zähnezahl
n = RPM [da k-1]



Drill for multi-boring machines

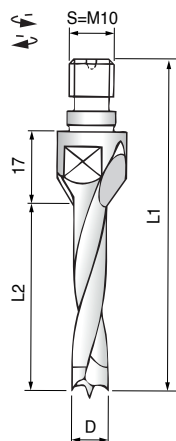


Punta per foratrici multiple



Dübellochbohrer

G001



HWM

With countersink
Con svasatore
Mit Ansenkung

For: Morbidelli, Weeke,
Biesse

With countersink		D	L2	€
Code Dx	Code Sx			
G001 001	G001 029	5	20	
G001 002	G001 030	5	30	
G001 003	G001 031	5	40	
G001 004	G001 032	5	50	
G001 005	G001 033	6	20	
G001 006	G001 034	6	30	
G001 007	G001 035	6	40	
G001 008	G001 036	6	50	
G001 009	G001 037	8	20	
G001 010	G001 038	8	30	
G001 011	G001 039	8	40	
G001 012	G001 040	8	50	
G001 013	G001 041	10	20	
G001 014	G001 042	10	30	

With countersink		D	L2	€
Code Dx	Code Sx			
G001 015	G001 043	10	40	
G001 016	G001 044	10	50	
G001 017	G001 045	12	20	
G001 018	G001 046	12	30	
G001 019	G001 047	12	40	
G001 020	G001 048	12	50	
G001 021	G001 049	14	20	
G001 022	G001 050	14	30	
G001 023	G001 051	14	40	
G001 024	G001 052	14	50	
G001 025	G001 053	16	20	
G001 026	G001 054	16	30	
G001 027	G001 055	16	40	
G001 028	G001 056	16	50	



Drill for multi-boring machines

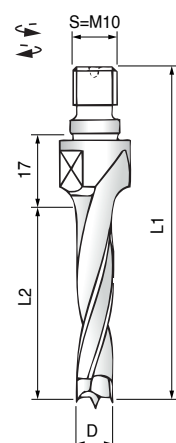


Punta per foratrici multiple



Dübellochbohrer

G002



HWM

Without countersink
Senza svasatore
Ohne Ansenkung

For: Morbidelli, Weeke,
Biesse

Without countersink		D	L2	€
Code Dx	Code Sx			
G002 001	G002 029	5	20	
G002 002	G002 030	5	30	
G002 003	G002 031	5	40	
G002 004	G002 032	5	50	
G002 005	G002 033	6	20	
G002 006	G002 034	6	30	
G002 007	G002 035	6	40	
G002 008	G002 036	6	50	
G002 009	G002 037	8	20	
G002 010	G002 038	8	30	
G002 011	G002 039	8	40	
G002 012	G002 040	8	50	
G002 013	G002 041	10	20	
G002 014	G002 042	10	30	

Without countersink		D	L2	€
Code Dx	Code Sx			
G002 015	G002 043	10	40	
G002 016	G002 044	10	50	
G002 017	G002 045	12	20	
G002 018	G002 046	12	30	
G002 019	G002 047	12	40	
G002 020	G002 048	12	50	
G002 021	G002 049	14	20	
G002 022	G002 050	14	30	
G002 023	G002 051	14	40	
G002 024	G002 052	14	50	
G002 025	G002 053	16	20	
G002 026	G002 054	16	30	
G002 027	G002 055	16	40	
G002 028	G002 056	16	50	



Dowel drill for multi-boring machines

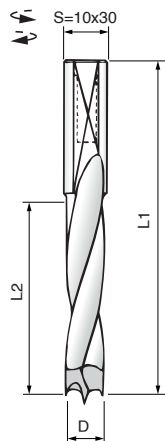


Punta componibile per foratrici multiple



Dübellochbohrer

G003



HW

Code Dx	Code Sx	D	L1	€
G003 001	G003 020	4	70	
G003 002	G003 021	5	70	
G003 003	G003 022	6	70	
G003 004	G003 023	7	70	
G003 005	G003 024	8	70	
G003 006	G003 025	9	70	
G003 007	G003 026	10	70	
G003 008	G003 027	11	70	
G003 009	G003 028	12	70	
G003 010	G003 029	13	70	
G003 011	G003 030	14	70	
G003 012	G003 031	15	70	
G003 013	G003 032	16	70	
G003 014	G003 033	5	77	
G003 015	G003 034	6	77	
G003 016	G003 035	8	77	
G003 017	G003 036	10	77	
G003 018	G003 037	12	77	
G003 019	G003 038	14	77	



Drill for multi-boring machines

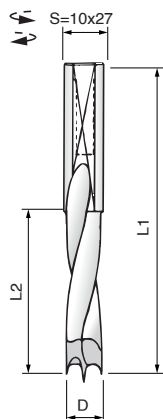


Punta per foratrici multiple



Dübellochbohrer

G004



HW

Code Dx	Code Sx	D	L1	€
G004 001	G004 014	4	57,5	
G004 002	G004 015	5	57,5	
G004 003	G004 016	6	57,5	
G004 004	G004 017	7	57,5	
G004 005	G004 018	8	57,5	
G004 006	G004 019	9	57,5	
G004 007	G004 020	10	57,5	
G004 008	G004 021	11	57,5	
G004 009	G004 022	12	57,5	
G004 010	G004 023	13	57,5	
G004 011	G004 024	14	57,5	
G004 012	G004 025	15	57,5	
G004 013	G004 026	16	57,5	

Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**



Solid carbide twist drill for small diameter holes

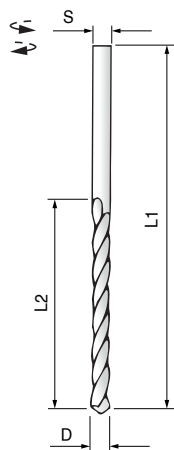


Punta integrale per piccoli fori



Hwm-spiralbohrer für kleine durchmesser

G005



Type A
Sharpering
Affilatura
Schärfer
120°

Type B
Sharpering
Affilatura
Schärfer
Z-2+1

HWM

Code Dx	Code Sx	D	L2	L1	S	€
G005 001	G005 008	2	22	50	2	
G005 002	G005 009	2,5	25	50	2,5	
G005 003	G005 010	3	25	50	3	
G005 004	G005 011	3,5	25	55	3,5	
G005 005	G005 012	4	25	55	4	
G005 006	G005 013	4,5	25	55	4,5	
G005 007	G005 014	5	30	55	5	

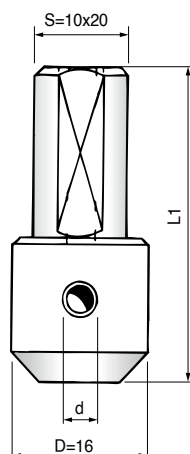


Mandrino per punte integrali



Reduzierfutter für vollhartmetall - bohrer

G006



Code Dx	Code Sx	D	L1	€
G006 001	G006 010	2	37	
G006 002	G006 011	2,5	37	
G006 003	G006 012	3	37	
G006 004	G006 013	3,5	37	
G006 005	G006 014	4	37	
G006 006	G006 015	4,5	37	
G006 007	G006 016	5	37	
G006 008	G006 017	5,5	37	
G006 009	G006 018	6	37	



Through bore dowel drill for multi-boring machines

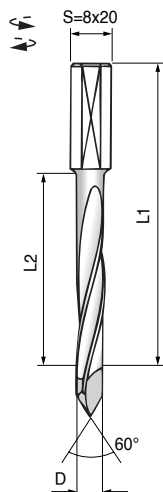


Punta componibile per foratrici multiple - fori passanti



Hw durchgangsbohrer

G007



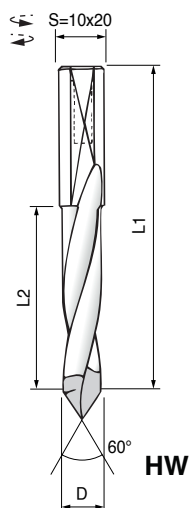
Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**

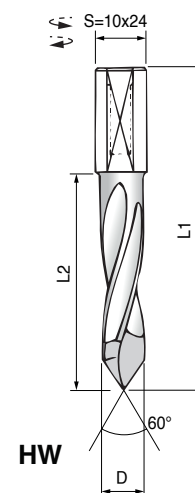
Code Dx	Code Sx	D	L2	L1	€
G007 001	G007 011	5	30	55,7	
G007 002	G007 012	5	40	67	
G007 003	G007 013	6	30	55,7	
G007 004	G007 014	6	40	67	
G007 005	G007 015	8	30	55,7	
G007 006	G007 016	8	40	67	
G007 007	G007 017	10	30	55,7	
G007 008	G007 018	10	40	67	
G007 009	G007 019	12	30	55,7	
G007 010	G007 020	12	40	67	

G008



ø 10 x 20		ø 10 x 24		D	L2	L1	€
Code Dx	Code Sx	Code Dx	Code Sx				
G008 001	G008 011	G009 001	G009 011	5	27	57,5	
G008 002	G008 012	G009 002	G009 012	5	35	70	
G008 003	G008 013	G009 003	G009 013	6	27	57,5	
G008 004	G008 014	G009 004	G009 014	6	35	70	
G008 005	G008 015	G009 005	G009 015	8	27	57,5	
G008 006	G008 016	G009 006	G009 016	8	35	70	
G008 007	G008 017	G009 007	G009 017	10	27	57,5	
G008 008	G008 018	G009 008	G009 018	10	35	70	
G008 009	G008 019	G009 009	G009 019	12	27	57,5	
G008 010	G008 020	G009 010	G009 020	12	35	70	

G009





Solid carbide through bore drill

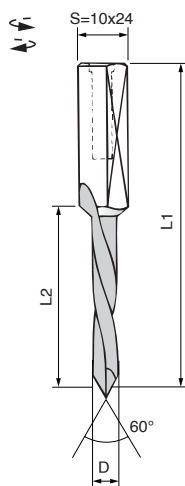


Punta componibili in widia integrale per fori passanti



Hwm durchgangsbohrer

G010



HWM

Code Dx	Code Sx	D	L2	L1	€
G010 001	G010 012	3	27	57,5	
G010 002	G010 013	4	27	57,5	
G010 003	G010 014	5	27	57,5	
G010 004	G010 015	6	27	57,5	
G010 005	G010 016	8	27	57,5	
G010 006	G010 017	10	27	57,5	
G010 007	G010 018	4	35	70	
G010 008	G010 019	5	35	70	
G010 009	G010 020	6	35	70	
G010 010	G010 021	8	35	70	
G010 011	G010 022	10	35	70	

Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**



Solid carbide dowel drill

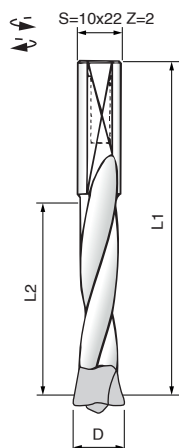


Punta componibili in widia integrale



Hwm - dübelsbohrer

G011



HWM

ø 10 x 22 Z=2					
Code Dx	Code Sx	D	L2	L1	€
G011 001	G011 012	3	27	57,5	
G011 002	G011 013	4	27	57,5	
G011 003	G011 014	5	27	57,5	
G011 004	G011 015	6	27	57,5	
G011 005	G011 016	8	27	57,5	
G011 006	G011 017	10	27	57,5	
G011 007	G011 018	4	35	70	
G011 008	G011 019	5	35	70	
G011 009	G011 020	6	35	70	
G011 010	G011 021	8	35	70	
G011 011	G011 022	10	35	70	

Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**



Durox - hw dowel drill

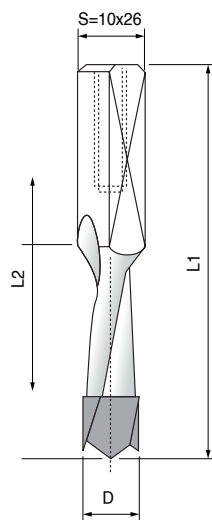


Punta componibile in widia "durox" - affilatura speciale



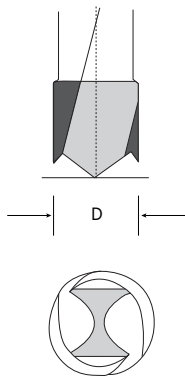
Durox-hw dübellochbohrer

G012



HW Z 2+2

DUROX



Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**

Code Dx	Code Sx	D	L1	€
G012 001	G012 017	15	57,5	
G012 002	G012 018	16	57,5	
G012 003	G012 019	18	57,5	
G012 004	G012 020	20	57,5	
G012 005	G012 021	22	57,5	
G012 006	G012 022	24	57,5	
G012 007	G012 023	25	57,5	
G012 008	G012 024	26	57,5	
G012 009	G012 025	28	57,5	
G012 010	G012 026	30	57,5	
G012 011	G012 027	32	57,5	
G012 012	G012 028	35	57,5	
G012 013	G012 029	38	57,5	
G012 014	G012 030	40	57,5	
G012 015	G012 031	50	57,5	
G012 016	G012 032	60	57,5	



Durox - hw through bore drill

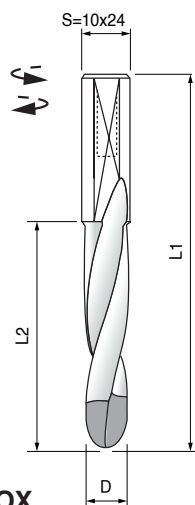


Punta componibile in widia "durox" - affilatura speciale - passante



Zylinderkopfbohrer

G013



DUROX

Adjustable with Screws: **5X10 - 5X15**

Viti di regolazione: **5X10 - 5X15**

Stellschrauben: **5X10 - 5X15**

Code Dx	Code Sx	D	L2	L1	€
G013 001	G013 011	5	33	57,5	
G013 002	G013 012	6	33	57,5	
G013 003	G013 013	8	33	57,5	
G013 004	G013 014	10	33	57,5	
G013 005	G013 015	12	33	57,5	
G013 006	G013 016	5	35	70	
G013 007	G013 017	6	35	70	
G013 008	G013 018	8	35	70	
G013 009	G013 019	10	35	70	
G013 010	G013 020	12	35	70	



Dowel drill with countersink

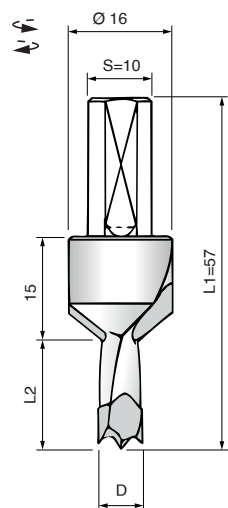


Punta svasatore per foratrici multiple



Stufensenker

G014



HW

Blind hole / Foro cieco / Sackloch

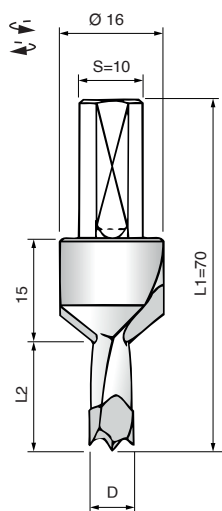
Code Dx	Code Sx	D	L2	L1	€
G014 001	G014 031	5	10	57	
G014 002	G014 032	5	13	57	
G014 003	G014 033	5	15	57	
G014 004	G014 034	5	18	57	
G014 005	G014 035	5	20	57	
G014 006	G014 036	6	10	57	
G014 007	G014 037	6	13	57	
G014 008	G014 038	6	15	57	
G014 009	G014 039	6	18	57	
G014 010	G014 040	6	20	57	
G014 011	G014 041	8	10	57	
G014 012	G014 042	8	13	57	
G014 013	G014 043	8	15	57	
G014 014	G014 044	8	18	57	
G014 015	G014 045	8	20	57	
G014 016	G014 046	10	10	57	
G014 017	G014 047	10	13	57	
G014 018	G014 048	10	15	57	
G014 019	G014 049	10	18	57	
G014 020	G014 050	10	20	57	
G014 021	G014 051	12	10	57	
G014 022	G014 052	12	13	57	
G014 023	G014 053	12	15	57	
G014 024	G014 054	12	18	57	
G014 025	G014 055	12	20	57	
G014 026	G014 056	14	10	57	
G014 027	G014 057	14	13	57	
G014 028	G014 058	14	15	57	
G014 029	G014 059	14	18	57	
G014 030	G014 060	14	20	57	

🇬🇧 Solid carbide dowel drill

🇮🇹 Punta componibili in widia integrale

🇩🇪 Hwm - dübelsbohrer

G015



HW

Blind hole / Foro cieco / Sackloch

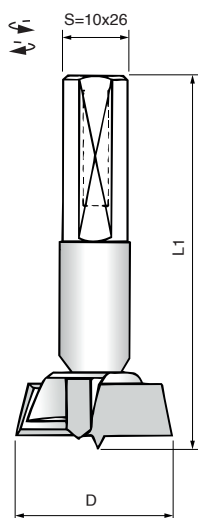
Code Dx	Code Sx	D	L2	L1	€
G015 001	G015 029	5	13	70	
G015 002	G015 030	5	20	70	
G015 003	G015 031	5	25	70	
G015 004	G015 032	5	30	70	
G015 005	G015 033	6	13	70	
G015 006	G015 034	6	20	70	
G015 007	G015 035	6	25	70	
G015 008	G015 036	6	30	70	
G015 009	G015 037	8	13	70	
G015 010	G015 038	8	20	70	
G015 011	G015 039	8	25	70	
G015 012	G015 040	8	30	70	
G015 013	G015 041	10	13	70	
G015 014	G015 042	10	20	70	
G015 015	G015 043	10	25	70	
G015 016	G015 044	10	30	70	
G015 017	G015 045	12	13	70	
G015 018	G015 046	12	20	70	
G015 019	G015 047	12	25	70	
G015 020	G015 048	12	30	70	
G015 021	G015 049	14	13	70	
G015 022	G015 050	14	20	70	
G015 023	G015 051	14	25	70	
G015 024	G015 052	14	30	70	
G015 025	G015 053	16	13	70	
G015 026	G015 054	16	20	70	
G015 027	G015 055	16	25	70	
G015 028	G015 056	16	30	70	

🇬🇧 Cylinder boring bit

🇮🇹 Punta per fori di precisione

🇩🇪 Zylinderkopfbohrer

G016



HW Z 2+2

Code Dx	Code Sx	D	L1	€
G016 001	G016 017	15	57,5	
G016 002	G016 018	16	57,5	
G016 003	G016 019	18	57,5	
G016 004	G016 020	20	57,5	
G016 005	G016 021	22	57,5	
G016 006	G016 022	24	57,5	
G016 007	G016 023	25	57,5	
G016 008	G016 024	26	57,5	
G016 009	G016 025	28	57,5	
G016 010	G016 026	30	57,5	
G016 011	G016 027	32	57,5	
G016 012	G016 028	35	57,5	
G016 013	G016 029	38	57,5	
G016 014	G016 030	40	57,5	
G016 015	G016 031	50	57,5	
G016 016	G016 032	60	57,5	



Cylinder boring bit

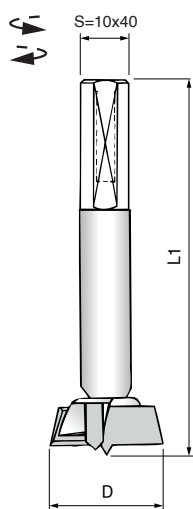


Punta per fori di precisione



Zylinderkopfbohrer

G017



HW Z 2+2

Code Dx	Code Sx	D	L1	€
G017 001	G017 031	15	70	
G017 002	G017 032	16	70	
G017 003	G017 033	18	70	
G017 004	G017 034	20	70	
G017 005	G017 035	22	70	
G017 006	G017 036	24	70	
G017 007	G017 037	25	70	
G017 008	G017 038	26	70	
G017 009	G017 039	28	70	
G017 010	G017 040	30	70	
G017 011	G017 041	32	70	
G017 012	G017 042	35	70	
G017 013	G017 043	38	70	
G017 014	G017 044	40	70	
G017 015	G017 045	50	70	
G017 016	G017 046	60	70	
G017 017	G017 047	15	77	
G017 018	G017 048	16	77	
G017 019	G017 049	18	77	
G017 020	G017 050	20	77	
G017 021	G017 051	22	77	
G017 022	G017 052	24	77	
G017 023	G017 053	25	77	
G017 024	G017 054	26	77	
G017 025	G017 055	28	77	
G017 026	G017 056	30	77	
G017 027	G017 057	32	77	
G017 028	G017 058	35	77	
G017 029	G017 059	38	77	
G017 030	G017 060	40	77	



Cylinder boring bit with multiple chip breaker

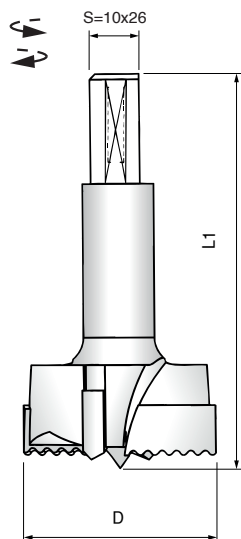


Punta per fori di precisione con rompitruciolo multiplo



Zylinderkopfbohrer mitspanbrecher

G018



HW Z 2+2

With chip breaker
Con rompitruciolo
Mit spanbreker

Code Dx	Code Sx	D	L1	€
G018 001	G018 017	15	57,5	
G018 002	G018 018	16	57,5	
G018 003	G018 019	18	57,5	
G018 004	G018 020	20	57,5	
G018 005	G018 021	22	57,5	
G018 006	G018 022	24	57,5	
G018 007	G018 023	25	57,5	
G018 008	G018 024	26	57,5	
G018 009	G018 025	28	57,5	
G018 010	G018 026	30	57,5	
G018 011	G018 027	32	57,5	
G018 012	G018 028	35	57,5	
G018 013	G018 029	38	57,5	
G018 014	G018 030	40	57,5	
G018 015	G018 031	50	57,5	
G018 016	G018 032	60	57,5	



Cylinder boring bit with multiple chip breaker

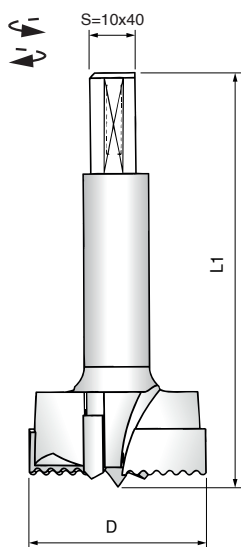


Punta per fori di precisione con rompitruciolo multiplo



Zylinderkopfbohrer mitspanbrecher

G019



HW Z 2+2

With chip breaker
Con rompitruciolo
Mit spanbreker

Code Dx	Code Sx	D	L1	€
G019 001	G019 031	15	70	
G019 002	G019 032	16	70	
G019 003	G019 033	18	70	
G019 004	G019 034	20	70	
G019 005	G019 035	22	70	
G019 006	G019 036	24	70	
G019 007	G019 037	25	70	
G019 008	G019 038	26	70	
G019 009	G019 039	28	70	
G019 010	G019 040	30	70	
G019 011	G019 041	32	70	
G019 012	G019 042	35	70	
G019 013	G019 043	38	70	
G019 014	G019 044	40	70	
G019 015	G019 045	50	70	
G019 016	G019 046	60	70	
G019 017	G019 047	15	77	
G019 018	G019 048	16	77	
G019 019	G019 049	18	77	
G019 020	G019 050	20	77	
G019 021	G019 051	22	77	
G019 022	G019 052	24	77	
G019 023	G019 053	25	77	
G019 024	G019 054	26	77	
G019 025	G019 055	28	77	
G019 026	G019 056	30	77	
G019 027	G019 057	32	77	
G019 028	G019 058	35	77	
G019 029	G019 059	38	77	
G019 030	G019 060	40	77	



Chuck for dowel drills

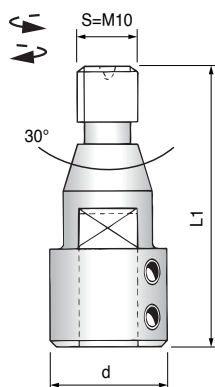


Mandrino per punte componibili



Spann Futter für dübellochbohrer

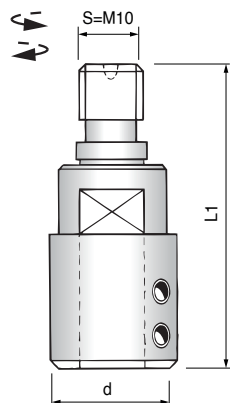
Code Dx	Code Sx	d	L1	€
G020 001	G020 003	8	47	
G020 002	G020 004	10	47	



G020

for: Alberti, Vitap,
Busellato

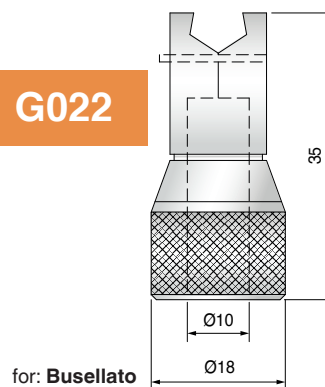
Code Dx	Code Sx	d	L1	€
G021 001	G021 003	8	40	
G021 002	G021 004	10	40	



G021

for: Morbidelli

Code Dx	d	€
G022 001	10	



for: Busellato



Chuck for cylinder boring bits

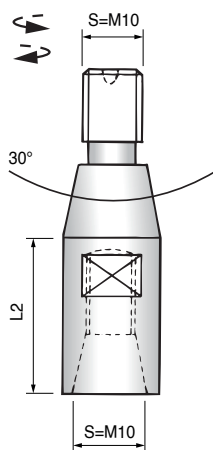


Mandrino per punte levanodi



Reduzierfutter für astochbohrer

G023



for: Alberti, Vitap,
Busellato

Code Dx	Code Sx	L2	€
G023 001	G023 004	15	
G023 002	G023 005	20	
G023 003	G023 006	25	



Counterbore twist drill

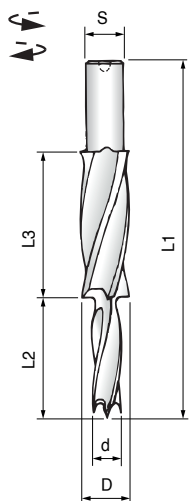


Punta per doppi fori



Stufenbohrer

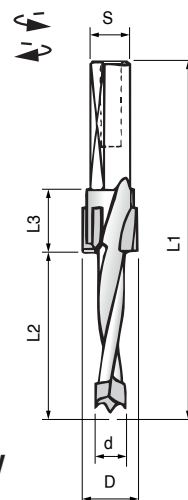
G024



WS

WS		HW		D	L1	€
Code Dx	Code Sx	Code Dx	Code Sx			
G024 001	G024 007	G025 001	G025 007	15	130	
G024 002	G024 008	G025 002	G025 008	20	130	
G024 003	G024 009	G025 003	G025 009	25	130	
G024 004	G024 010	G025 004	G025 010	30	130	
G024 005	G024 011	G025 005	G025 011	40	130	
G024 006	G024 012	G025 006	G025 012	50	130	

G025



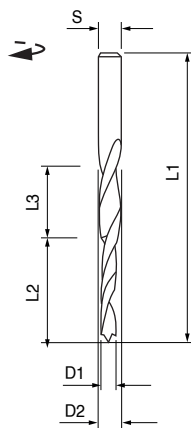
HW

 HS ANUBA Step Drills Z2

 Punte per ANUBA HS Z2

 HS ANUBA Stufenbohrer Z2

G026



Shank throughout cylindrical
Attacco nominale
Schaft durchgangs cylindrisch

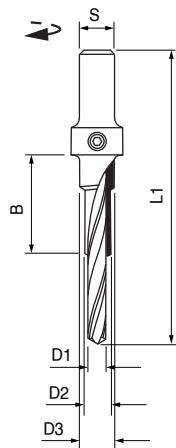
Code Dx	D ₁	D ₂	B	B ₁	L ₁	S	Anuba	€
G026 001	5,4	6,5	20	50	80	6,5	13	
G026 002	5,7	6,75	20	65	105	6,75	13	
G026 003	6	7	20	50	80	7	14	
G026 004	6,25	7,25	25	60	90	7,25	14	
G026 005	6,25	7,25	20	65	105	7,25	14	
G026 006	6,5	7,75	25	60	90	7,25	16	
G026 007	6,5	7,75	20	70	110	7,25	16	
G026 008	6,7	8,5	25	60	90	8,5	18	
G026 009	6,7	8,5	25	70	110	8,5	18	

 3-Diameter HW Drills Adjustable Z2

 Punte a tre diametri regolabili HW Z2

 HW Stufenbohrer 3-Stufig Verstellbar Z2

G027



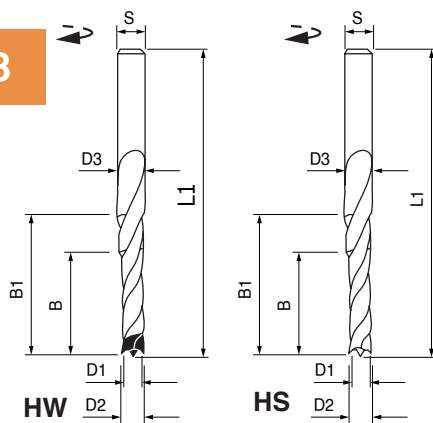
	Code Dx	D ₁	D ₂	D ₃	B	L ₁	S	€
	G027 001	5	8,5	11,5	25	100	10	
	G027 002	5	HS Spare drills					

 HW/HS 3-Diameter Bits ANUBA Z2

 Punte a tre Diametri per ANUBA Z2

 Stufenbohrer ANUBA Z2

G028



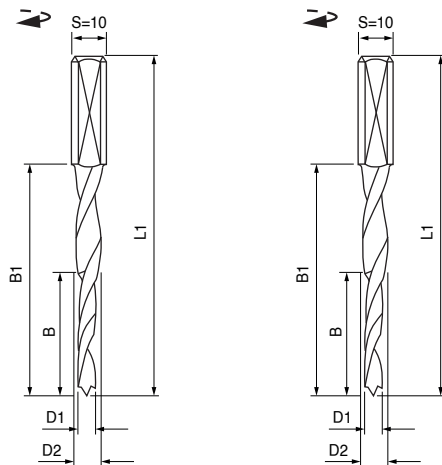
Code Dx	D ₁	D ₂	D ₃	B	B ₁	L	Mat.	S	€
G028 001	5,5	7,3	10	35	56	138	HW	10x50	
G028 002	5,5	7,3	10	35	56	138	HS	10x50	
G028 003	5,5	7,3	10	40	60	120	HS	10x40	

HS ANUBA Twist Drills Z2

Punte per ANUBA HS Z2

HS ANUBA Stufenbohrer Z2

G029



Anuba SFS INTECK

Code Dx	D1	D2	B	B1	L1	S	Anuba	€
G029 001		5,2		52	132	5,2	9	
G029 002		5,7		57	139	5,7	11	
G029 003	5,3	6,7	12	63	148	6,7	13	
G029 004	5,8	7,2	13	69	156	7,2	14	
G029 005	6,3	7,7	14	75	165	7,7	16	
G029 006	7,2	8,6	14	81	175	8,6	18	
G029 007	7,4	8,8	16	81	175	8,8	20	
G029 008	8,8	10,2	23	87	184	10,2	22	

Shank: Ø 10

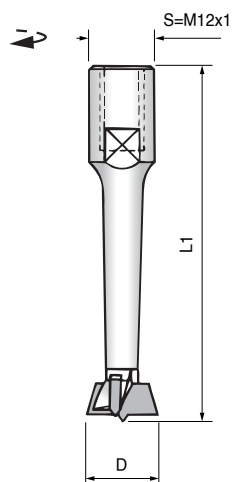
Machine: Masterwood

Drill for locks

Punta per cavatrici

Kunstbohrer

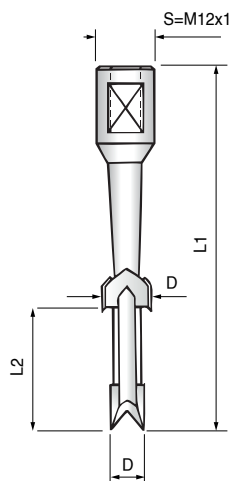
G030



Code RH	D	L1	€
G030 001	10	105	
G030 002	12	105	
G030 003	15	105	
G030 004	17	105	
G030 005	18	105	
G030 006	20	105	

HW Z 2+2

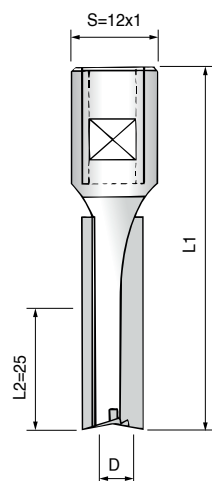
G031



Code	D	L1	€
G031 001	10/18	155	
G031 002	10/20	155	
G031 003	10/22	155	
G031 004	11/19	155	
G031 005	11/22	155	
G031 006	12/19	155	
G031 007	12/22	155	

WS Z2

G032



Code	D	L1	€
G032 001	10	60	
G032 002	12	60	
G032 003	14	60	
G032 004	16	60	
G032 005	18	60	
G032 006	20	60	
G032 007	22	60	
G032 008	24	60	
G032 009	26	60	
G032 010	28	60	
G032 011	30	60	

HW Z2



Slot mortise bits

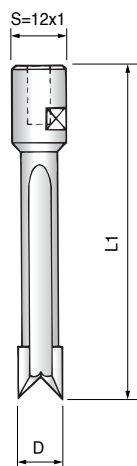


Punta per mortasare a bocca di pesce



Pendelschlitzbohrer

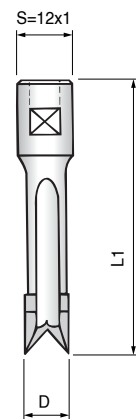
G033



WS Z2

WS Z2 Code	HW Z2 Code	D	L1	€
G033 001	G034 001	10	105	
G033 002	G034 002	12	105	
G033 003	G034 003	15	105	
G033 004	G034 004	17	105	
G033 005	G034 005	18	105	
G033 006	G034 006	20	105	

G034



HW Z2



Cutter to wiredraw straight slots

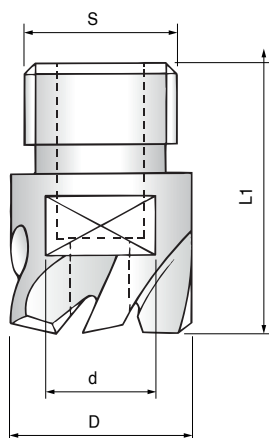


Fresa per trafilare bastoncini



Dübelfräser

G035



HS Z5

Code	d	L1	S	€
G035 001	6	25	D21x14THRx1'	
G035 002	6,2	25	D21x14THRx1'	
G035 003	8	25	D21x14THRx1'	
G035 004	8,2	25	D21x14THRx1'	
G035 005	10	25	D21x14THRx1'	
G035 006	10,2	25	D21x14THRx1'	
G035 007	12	25	D21x14THRx1'	
G035 008	12,2	25	D21x14THRx1'	
G035 009	14,2	32	D21x14THRx1'	
G035 010	16,2	32	D21x14THRx1'	
G035 011	18,2	32	D21x14THRx1'	
G035 012	20,2	32	D21x14THRx1'	

*D on request



Flat bottomed drill for carving machines

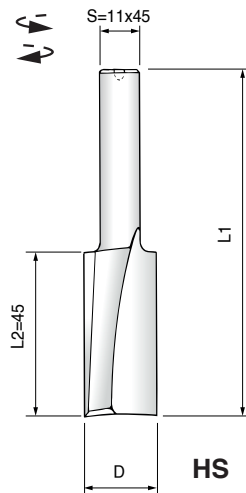


Punta scolpitrice a fondo piano



Flache bohrer für schnitzmaschinen

G036



Code Dx	Code Sx	D	L1	€
G036 001	G036 015	2	90	
G036 002	G036 016	3	90	
G036 003	G036 017	4	90	
G036 004	G036 018	5	90	
G036 005	G036 019	6	90	
G036 006	G036 020	8	90	
G036 007	G036 021	10	90	
G036 008	G036 022	12	90	
G036 009	G036 023	14	90	
G036 010	G036 024	16	90	
G036 011	G036 025	18	90	
G036 012	G036 026	20	90	
G036 013	G036 027	22	90	
G036 014	G036 028	24	90	

Up to Ø 8 Z1



Round bottomed drill for carving machines

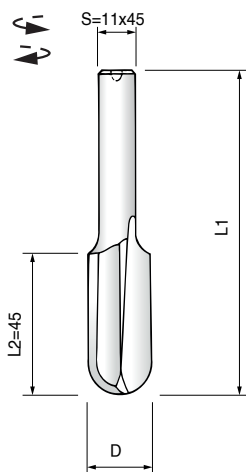


Punta scolpitrice a fondo tondo



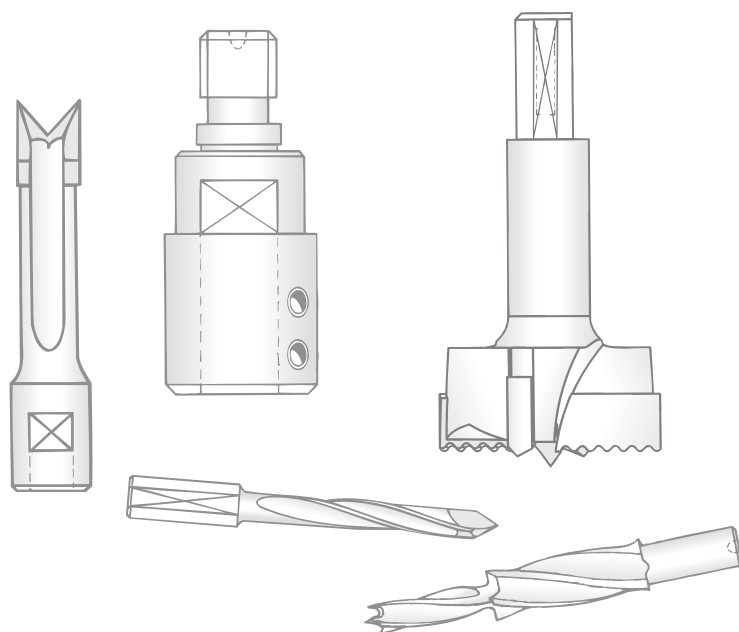
Runde bohrer für schnitzmaschinen

G037



Code Dx	Code Sx	D	L1	€
G037 001	G037 015	2	90	
G037 002	G037 016	3	90	
G037 003	G037 017	4	90	
G037 004	G037 018	5	90	
G037 005	G037 019	6	90	
G037 006	G037 020	8	90	
G037 007	G037 021	10	90	
G037 008	G037 022	12	90	
G037 009	G037 023	14	90	
G037 010	G037 024	16	90	
G037 011	G037 025	18	90	
G037 012	G037 026	20	90	
G037 013	G037 027	22	90	
G037 014	G037 028	24	90	

Up to Ø 8 Z1





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