FORATURA NON PASSANTE (CIECA)

POCKET HOLE DRILLING

SACKLOCHBOHRUNG

FORATURA PASSANTE

THROUGH-OUT DRILLING

DURCHGANGSBOHRUNG

FORATURA A PIÙ DIAMETRI
FORO CON SVASATURA CILINDRICA (A)
FORO CON SVASATURA CONICA (B)

RECESSED DRILLING
WITH STEP (A)
WITH COUNTERSINK (B)

ABGESETZTE BOHRUNGEN
MIT STUFE (A)
MIT ANSENKUNG (B)

(A)

(B)

FRESATURA DI PERNI

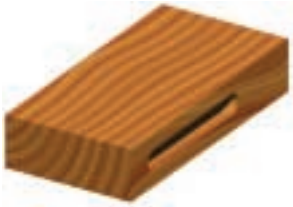
TENONING

ZAPFENFRÄSER

FORATURA E FRESATURA

BORING AND MOULDING

ZUM BOHREN UND FRÄSEN



ESECUZIONE DI CAVE

SLOT MORTISING

LANGLOCHFRÄSEN

FORATURA E CONTORNATURA

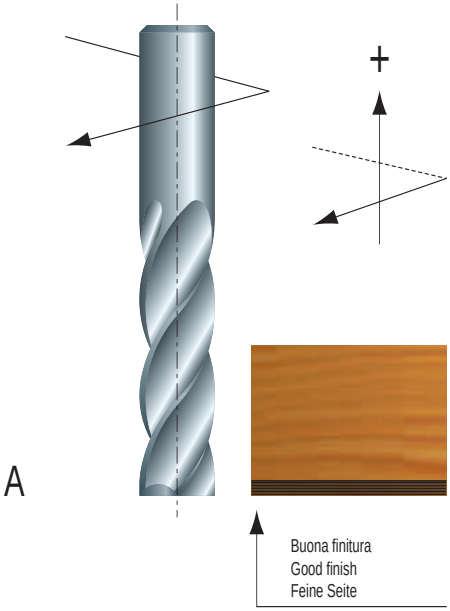
BORING AND MOULDING

ZUM BOHREN UND FRÄSEN

Rotazione destra
Elica destra positiva

Right hand rotation
Right hand spiral
(Positive spiral)

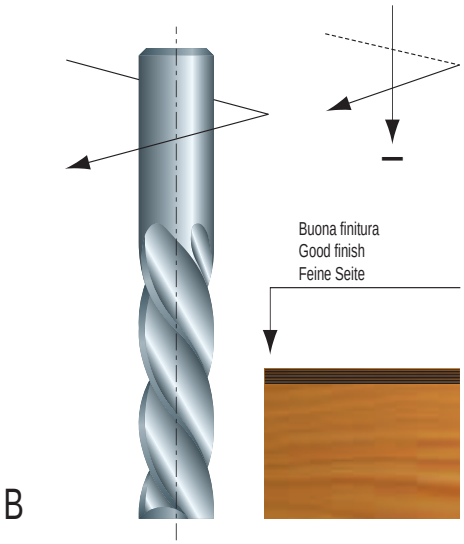
Rechtslauf
Rechtsdrall
(Positive Spirale)



Rotazione destra
Elica sinistra negativa

Right hand rotation
Left hand spiral
(Negative spiral)

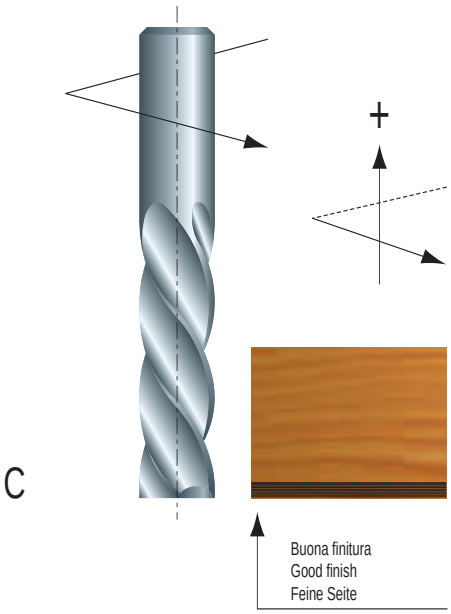
Rechtslauf
Linksdrall
(Negative Spirale)



Rotazione sinistra
Elica sinistra positiva

Left hand rotation
Left hand spiral
(Positive spiral)

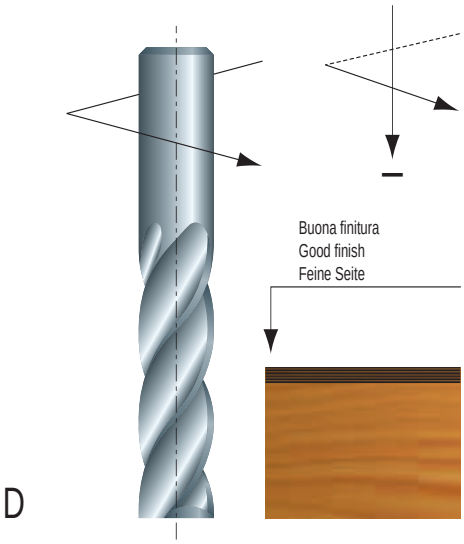
Linkslauf
Linksdrall
(Positive Spirale)



Rotazione sinistra
Elica destra negativa

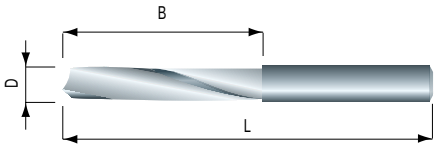
Left hand rotation
Right hand spiral
(Negative spiral)

Linkslauf
Rechtsdrall
(Negative Spirale)



PUNTE ELICOIDALI IN HW INTEGRALE - ELICA DESTRA - ESECUZIONE A
SOLID HW ROUTERS WITH RIGHT HAND SPIRAL - EXECUTION A
VHM SPIRALSCHLICHTFRÄSER MIT RECHTSDRALL - AUSFÜHRUNG A

P174
HW Z=1



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P174RM0412	4	12	50	
P174RM0517	5	17	50	
P174RM0617	6	17	60	
P174RM0627	6	27	60	
P174RM0822	8	22	70	
P174RM0832	8	32	70	
P174RM1032	10	32	80	
P174RM1242	12	42	100	
P174RM1252	12	52	100	

Impiego lavori di foratura e contornatura
Use for boring and moulding
Anwendung zum Bohren und Fräsen

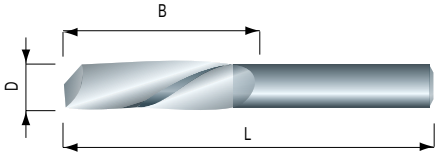
Attenzione Rotazione destra = espulsione del truciolo verso l'alto (Positiva)
Rotazione sinistra (C) a richiesta

Attention Right hand rotation = upward chip ejection (Positive)
Left hand rotation (C) available on request

Achtung Rechtsdrall = Spanauswurf nach oben (Positive)
Linkslauf (C) auf Anfrage

PUNTE ELICOIDALI IN HW INTEGRALE - ELICA SINISTRA - ESECUZIONE B
SOLID HW ROUTERS WITH LEFT HAND SPIRAL - EXECUTION B
VHM SPIRALSCHLICHTFRÄSER MIT LINKSDRALL - AUSFÜHRUNG B

P177
HW Z=1



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P177RM0415	4	12	50	
P177RM0517	5	17	50	
P177RM0617	6	17	60	
P177RM0627	6	27	60	
P177RM0822	8	22	70	
P177RM0832	8	32	70	
P177RM1032	10	32	80	
P177RM1242	12	42	100	
P177RM1252	12	52	100	

Impiego lavori di foratura e contornatura
Use for boring and moulding operations
Anwendung zum Bohren und Fräsen

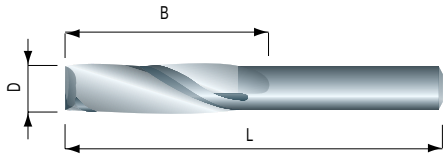
Attenzione Rotazione destra = espulsione del truciolo verso il basso (Negativa)
Rotazione sinistra (D) a richiesta

Attention Right hand rotation = downward chip ejection (Negative)
Left hand rotation (D) available on request

Achtung Rechtsdrall = Spanauswurf nach unten (Negative)
Linkslauf (D) auf Anfrage

P175
HW Z=2

PUNTE ELICOIDALI IN HW INTEGRALE - ELICA DESTRA - ESECUZIONE A
SOLID HW ROUTERS WITH RIGHT HAND SPIRAL - EXECUTION A
VHM SPIRALSCHLICHTFRÄSER MIT RECHTSDRALL - AUSFÜHRUNG A



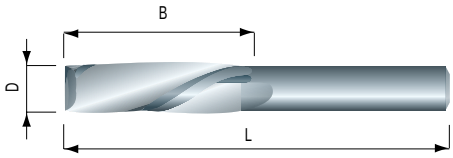
Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P175RM0617	6	17	60	
P175RM0627	6	27	60	
P175RM0822	8	22	70	
P175RM0832	8	32	70	
P175RM1042	10	42	100	
P175RM1052	10	52	100	
P175RM1242	12	42	100	
P175RM1252	12	52	100	
P175RM1442	14	42	100	
P175RM1452	14	52	100	
P175RM1642	16	42	100	
P175RM1652	16	52	100	
P175RM1852	18	52	100	
P175RM2052	20	52	100	
P175RM2072	20	72	120	
P175RM2080	20	80	140	

Impiego	lavori di foratura e contornatura con alto grado di finitura
Use	for boring and moulding operations with high quality finish
Anwendung	zum Bohren und Fräsen mit ausgezeichneter Schnittqualität

Attenzione	Rotazione destra = espulsione del truciolo verso l'alto (Positiva) Rotazione sinistra (C) a richiesta
Attention	Right hand rotation = upward chip ejection (Positive) Left hand rotation (C) available on request
Achtung	Rechtsdrall = Spanauswurf nach oben (Positive) Linkslauf (C) auf Anfrage

PUNTE ELICOIDALI IN HW INTEGRALE - ELICA SINISTRA - ESECUZIONE B
SOLID HW ROUTERS WITH LEFT HAND SPIRAL - EXECUTION B
VHM SPIRALSCHLICHTFRÄSER MIT LINKSDRALL - AUSFÜHRUNG B

P178
HW Z=2



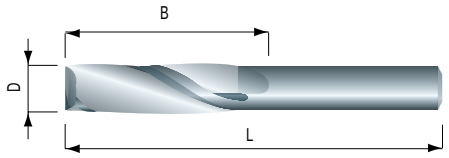
Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P178RM0617	6	17	60	
P178RM0627	6	27	60	
P178RM0822	8	22	70	
P178RM0832	8	32	70	
P178RM1032	10	32	80	
P178RM1052	10	52	100	
P178RM1242	12	42	100	
P178RM1252	12	52	100	
P178RM1442	14	42	100	
P178RM1452	14	52	100	
P178RM1642	16	42	100	
P178RM1652	16	52	100	
P178RM1852	18	52	100	
P178RM2052	20	52	100	
P178RM2072	20	72	120	
P178RM2080	20	80	140	

Impiego	lavori di foratura e contornatura con alto grado di finitura
Use	for boring and moulding operations with high quality finish
Anwendung	zum Bohren und Fräsen mit ausgezeichneter Schnittqualität

Attenzione	Rotazione destra = espulsione del truciolo verso il basso (Negativa) Rotazione sinistra (D) a richiesta
Attention	Right hand rotation = downward chip ejection (Negative) Left hand rotation (D) available on request
Achtung	Rechtsdrall = Spanauswurf nach unten (Negative) Linkslauf (D) auf Anfrage

P176
HW Z=3

PUNTE ELICOIDALI IN HW INTEGRALE - ELICA DESTRA - ESECUZIONE A
SOLID HW ROUTERS WITH RIGHT HAND SPIRAL - EXECUTION A
VHM SPIRALSCHLICHTFRÄSER MIT RECHTSDRALL - AUSFÜHRUNG A



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P176RM1242	12	42	100	
P176RM1252	12	52	100	
P176RM1442	14	42	100	
P176RM1452	14	52	100	
P176RM1642	16	42	100	
P176RM1652	16	52	100	
P176RM1672	16	72	120	
P176RM1852	18	52	100	
P176RM1872	18	72	120	
P176RM2052	20	52	100	
P176RM2072	20	72	120	

Impiego lavori di foratura e contornatura con alto grado di finitura
Use for boring and moulding operations with high quality finish
Anwendung zum Bohren und Fräsen mit ausgezeichneter Schnittqualität

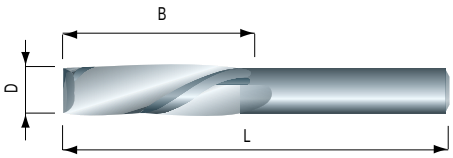
Attenzione Rotazione destra = espulsione del truciolo verso l'alto (Positiva)
Rotazione sinistra (C) a richiesta

Attention Right hand rotation = upward chip ejection (Positive)
Left hand rotation (C) available on request

Achtung Rechtsdrall = Spanauswurf nach oben (Positive)
Linkslauf (C) auf Anfrage

P179
HW Z=3

PUNTE ELICOIDALI IN HW INTEGRALE - ELICA SINISTRA - ESECUZIONE B
SOLID HW ROUTERS WITH LEFT HAND SPIRAL - EXECUTION B
VHM SPIRALSCHLICHTFRÄSER MIT LINKSDRALL - AUSFÜHRUNG B



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P179RM1242	12	42	100	
P179RM1252	12	52	100	
P179RM1442	14	42	100	
P179RM1452	14	52	100	
P179RM1642	16	42	100	
P179RM1652	16	52	100	
P179RM1852	18	52	100	
P179RM1872	18	72	120	
P179RM2052	20	52	100	
P179RM2072	20	72	120	
P179RM2080	20	80	140	

Impiego lavori di foratura e contornatura con alto grado di finitura
Use for boring and moulding operations with high quality finish
Anwendung zum Bohren und Fräsen mit ausgezeichneter Schnittqualität

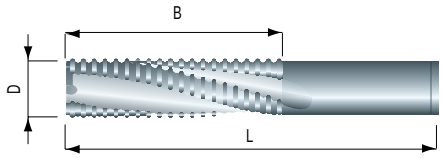
Attenzione Rotazione destra = espulsione del truciolo verso il basso (Negativa)
Rotazione sinistra (D) a richiesta

Attention Right hand rotation = downward chip ejection (Negative)
Left hand rotation (D) available on request

Achtung Rechtsdrall = Spanauswurf nach unten (Negative)
Linkslauf (D) auf Anfrage

PUNTE ELICOIDALI IN HW INTEGRALE CON ROMPITRUCIOLO - ELICA DESTRA - ESECUZIONE A
SOLID HW ROUTERS WITH CHIPBREAKER AND RIGHT HAND SPIRAL - EXECUTION A
VHM SPIRALSCHRUPPFRÄSER MIT RECHTSDRALL - AUSFÜHRUNG A

P276
HW Z=3



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P276RM1242	12	42	100	
P276RM1252	12	52	100	
P276RM1442	14	42	100	
P276RM1452	14	52	100	
P276RM1642	16	42	100	
P276RM1652	16	52	100	
P276RM1852	18	52	100	
P276RM1872	18	72	120	
P276RM2052	20	52	100	
P276RM2072	20	72	120	
P276RM2080	20	80	140	

Impiego lavori di foratura e contornatura su materiali particolarmente tenaci
Use for boring and moulding operations on hard materials
Anwendung zum Bohren und Fräsen

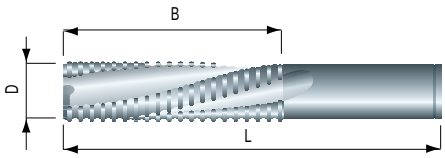
Attenzione Rotazione destra = espulsione del truciolo verso l'alto (Positiva)
Rotazione sinistra (C) a richiesta

Attention Right hand rotation = upward chip ejection (Positive)
Left hand rotation (C) available on request

Achtung Rechtsdrall = Spanauswurf nach oben (Positive)
Linkslauf (C) auf Anfrage

PUNTE ELICOIDALI IN HW INTEGRALE CON ROMPITRUCIOLO - ELICA SINISTRA - ESECUZIONE B
SOLID HW ROUTERS WITH CHIPBREAKER AND LEFT HAND SPIRAL - EXECUTION B
VHM SPIRALSCHRUPPFRÄSER MIT LINKSDRALL - AUSFÜHRUNG B

P279
HW Z=3



Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	€
P279RM1242	12	42	100	
P279RM1252	12	52	100	
P279RM1442	14	42	100	
P279RM1452	14	52	100	
P279RM1642	16	42	100	
P279RM1652	16	52	100	
P279RM1852	18	52	100	
P279RM1872	18	72	120	
P279RM2052	20	52	100	
P279RM2072	20	72	120	
P279RM2080	20	80	140	

Impiego lavori di foratura e contornatura su materiali particolarmente tenaci
Use for boring and moulding operations on hard materials
Anwendung zum Bohren und Fräsen

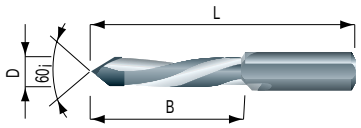
Attenzione Rotazione destra = espulsione del truciolo verso il basso (Negativa)
Rotazione sinistra (D) a richiesta

Attention Right hand rotation = downward chip ejection (Negative)
Left hand rotation (D) available on request

Achtung Rechtsdrall = Spanauswurf nach unten (Negative)
Linkslauf (D) auf Anfrage

P150 HW

PUNTE COMPONIBILI PER FORI PASSANTI
DOWEL DRILLS FOR THROUGH-OUT DRILLING
DÜBELBOHRER FÜR DURCHGANGSBOHRUNGEN



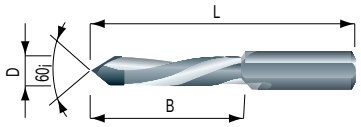
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	B (mm)	L (mm)	€
P150RM0530	P150LM0530	5	30	55,5	
P150RM0830	P150LM0830	8	30	55,5	
P150RM0540	P150LM0540	5	40	67	
P150RM0840	P150LM0840	8	40	67	

Attacco • Chuck • Schaft
∅ 8x20

Impiego su foratrici, utilizzabili con art. P161
Use on boring machines, use with item P161
Anwendung auf Bohrmaschinen, verwenden mit Art. P161

P151 HW

PUNTE COMPONIBILI PER FORI PASSANTI
DOWEL DRILLS FOR THROUGH-OUT DRILLING
DÜBELBOHRER FÜR DURCHGANGSBOHRUNGEN



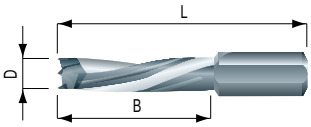
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	B (mm)	L (mm)	€
P151RM0527	P151LM0527	5	27	57,5	
P151RM0627	P151LM0627	6	27	57,5	
P151RM0827	P151LM0827	8	27	57,5	
P151RM1027	P151LM1027	10	27	57,5	
P151RM0535	P151LM0535	5	35	70	
P151RM0635	P151LM0635	6	35	70	
P151RM0835	P151LM0835	8	35	70	
P151RM1035	P151LM1035	10	35	70	

Attacco • Chuck • Schaft
∅ 10x24

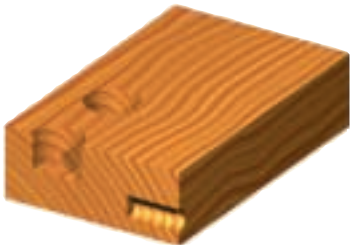
Impiego su foratrici, utilizzabili con art. P162
Use on boring machines, use with item P162
Anwendung auf Bohrmaschinen, verwenden mit Art. P162

PUNTE COMPONIBILI PER FORI CIECHI A 4 ELICHE
DOWEL DRILLS FOR BLIND DRILLING WITH 4 SPIRALS
DÜBELBOHRER FÜR SACKLOCHBOHRUNGEN MIT RÜCKENFÜHRUNG

P152
HW



Attacco • Chuck • Schaft
∅ 10x20

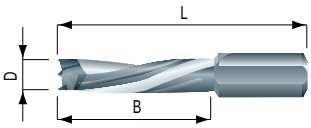


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	B (mm)	L (mm)	€
P152RM0430	P152LM0430	4	30	57,5	
P152RM0530	P152LM0530	5	30	57,5	
P152RM0630	P152LM0630	6	30	57,5	
P152RM0730	P152LM0730	7	30	57,5	
P152RM0830	P152LM0830	8	30	57,5	
P152RM0930	P152LM0930	9	30	57,5	
P152RM1030	P152LM1030	10	30	57,5	
P152RM1230	P152LM1230	12	30	57,5	
P152RM1630	P152LM1630	16	30	57,5	
P152RM0443	P152LM0443	4	43	70	
P152RM0543	P152LM0543	5	43	70	
P152RM0643	P152LM0643	6	43	70	
P152RM0743	P152LM0743	7	43	70	
P152RM0843	P152LM0843	8	43	70	
P152RM0943	P152LM0943	9	43	70	
P152RM1043	P152LM1043	10	43	70	
P152RM1243	P152LM1243	12	43	70	
P152RM1643	P152LM1643	16	43	70	

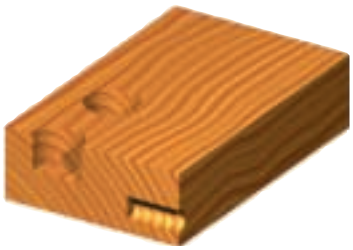
Impiego su foratrici, utilizzabili con art. P161
Use on boring machines, use with item P161
Anwendung auf Bohrmaschinen, verwenden mit Art. P161

PUNTE COMPONIBILI PER FORI CIECHI CON 4 ELICHE
DOWEL DRILLS FOR BLIND DRILLING WITH 4 SPIRALS
DÜBELBOHRER FÜR SACKLOCHBOHRUNGEN MIT RÜCKENFÜHRUNG

P153
HW



Attacco • Chuck • Schaft
∅ 8x20

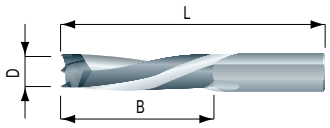


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	B (mm)	L (mm)	€
P153RM0530	P153LM0530	5	30	55,5	
P153RM0630	P153LM0630	6	30	55,5	
P153RM0830	P153LM0830	8	30	55,5	
P153RM1030	P153LM1030	10	30	55,5	
P153RM1230	P153LM1230	12	30	55,5	
P153RM0540	P153LM0540	5	40	67	
P153RM0640	P153LM0640	6	40	67	
P153RM0840	P153LM0840	8	40	67	
P153RM1040	P153LM1040	10	40	67	
P153RM1240	P153LM1240	12	40	67	

Impiego su foratrici, utilizzabili con art. P161
Use on boring machines, use with item P161
Anwendung auf Bohrmaschinen, verwenden mit Art. P161

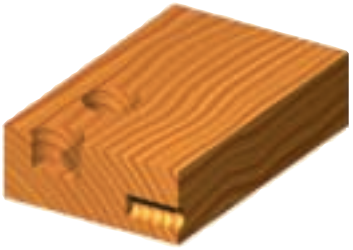
P154
HW

PUNTE COMPONIBILI PER FORI CIECHI
DOWEL DRILLS FOR BLIND DRILLING
DÜBELBOHRER FÜR SACKLOCHBOHRUNGEN



Attacco • Chuck • Schaft

∅ 10x27 L = 57,5
∅ 10x30 L = 70/77



Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	B (mm)	L (mm)	€
P154RM0427	P154LM0427	4	27	57,5	
P154RM0527	P154LM0527	5	27	57,5	
P154RM0627	P154LM0627	6	27	57,5	
P154RM0727	P154LM0727	7	27	57,5	
P154RM0827	P154LM0827	8	27	57,5	
P154RM0927	P154LM0927	9	27	57,5	
P154RM1027	P154LM1027	10	27	57,5	
P154RM1227	P154LM1227	12	27	57,5	
P154RM0535	P154LM0535	5	35	70	
P154RM0635	P154LM0635	6	35	70	
P154RM0735	P154LM0735	7	35	70	
P154RM0835	P154LM0835	8	35	70	
P154RM0935	P154LM0935	9	35	70	
P154RM1035	P154LM1035	10	35	70	
P154RM1235	P154LM1235	12	35	70	
P154RM0544	P154LM0544	5	44	77	
P154RM0644	P154LM0644	6	44	77	
P154RM0844	P154LM0844	8	44	77	
P154RM1044	P154LM1044	10	44	77	
P154RM1244	P154LM1244	12	44	77	
P154RM1444	P154LM1444	14	44	77	

Impiego su foratrici, utilizzabili con art. P162
Use on boring machines, use with item P162
Anwendung auf Bohrmaschinen, verwenden mit Art. P162

P161
HW Z=2

SVASATORI COMPONIBILI
SHELL COUNTERSINK
AUFSTECKSENKER

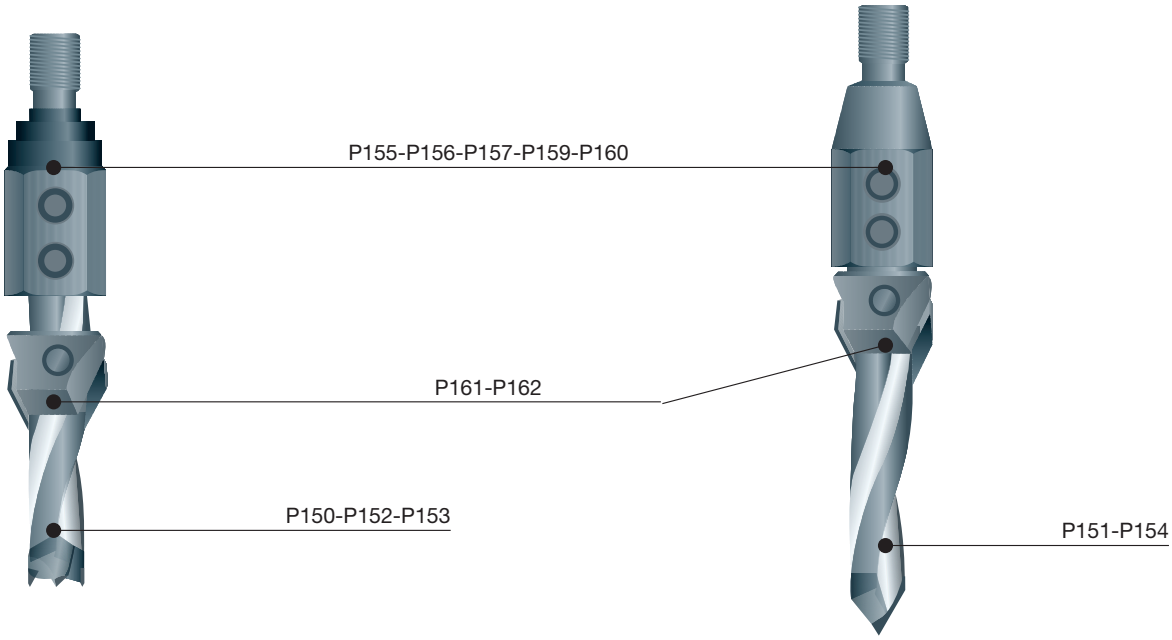
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ d (mm)	∅ D (mm)	€
P161RM0416	P161LM0416	4	16	
P161RM0516	P161LM0516	5	16	
P161RM0616	P161LM0616	6	16	
P161RM0718	P161LM0718	7	18	
P161RM0818	P161LM0818	8	18	
P161RM0920	P161LM0920	9	20	
P161RM1020	P161LM1020	10	20	
P161RM1222	P161LM1222	12	22	

Impiego su foratrici, utilizzabili con art. P150-P152-P153
Use on boring machines, use with item P150-P152-P153
Anwendung auf Bohrmaschinen, verwenden mit Art. P150-P152-P153

Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ d (mm)	∅ D (mm)	€
P162RM0520	P162LM0520	5 10	20	
P162RM1222	P162LM1222	12	22	

Impiego su foratrici, utilizzabili con art. P151-P154
Use on boring machines, use with item P151-P154
Anwendung auf Bohrmaschinen, verwenden mit Art. P151-P154

ESEMPI DI ASSEMBLAGGIO
ASSEMBLY EXAMPLES
MONTAGEBEISPIEL

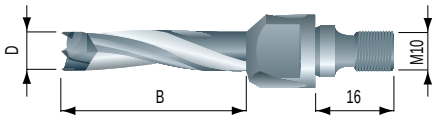


ESEMPIO DI FORO CIECO CON SVASATURA
EXAMPLES OF BLIND DRILLING WITH COUNTERSINK
BEISPIEL

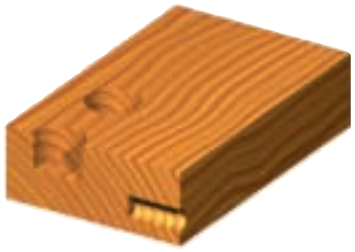
ESEMPIO DI FORO PASSANTE CON SVASATURA
EXAMPLES OF THROUGH-OUT DRILLING WITH COUNTERSINK
BEISPIEL

P181 HW

PUNTE SPINATRICI SENZA SVASATORE
BROACHING DRILLS WITHOUT COUNTERSINK
DÜBELBOHRER OHNE SENKER



Attacco per macchine Chuck for machines Schaft für Maschinen
BIESSE-BÖTTCHER + GESSNER MORBIDELLI-RAIMANN TORWEGGE-WEEKE

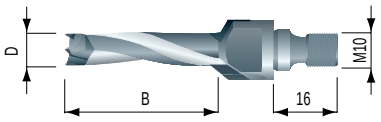


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	∅ B (mm)	€
P181RM0530	P181LM0530	5	30	
P181RM0630	P181LM0630	6	30	
P181RM0830	P181LM0830	8	30	
P181RM1030	P181LM1030	10	30	
P181RM1230	P181LM1230	12	30	
P181RM1430	P181LM1430	14	30	
P181RM0540	P181LM0540	5	40	
P181RM0640	P181LM0640	6	40	
P181RM0840	P181LM0840	8	40	
P181RM1040	P181LM1040	10	40	
P181RM1240	P181LM1240	12	40	
P181RM1440	P181LM1440	14	40	
P181RM0550	P181LM0550	5	50	
P181RM0650	P181LM0650	6	50	
P181RM0850	P181LM0850	8	50	
P181RM1050	P181LM1050	10	50	
P181RM1250	P181LM1250	12	50	
P181RM1450	P181LM1450	14	50	

Impiego su foratrici
Use on boring machines
Anwendung auf Bohrmaschinen

P182 HW

PUNTE SPINATRICI CON SVASATORE
BROACHING DRILLS WITH COUNTERSINK
DÜBELBOHRER MIT SENKER



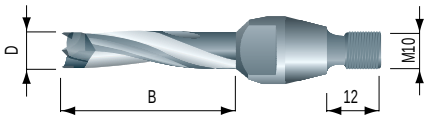
Attacco per macchine Chuck for machines Schaft für Maschinen
BIESSE-BÖTTCHER + GESSNER MORBIDELLI-RAIMANN TORWEGGE-WEEKE

Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	∅ B (mm)	€
P182RM0530	P182LM0530	5	30	
P182RM0630	P182LM0630	6	30	
P182RM0830	P182LM0830	8	30	
P182RM1030	P182LM1030	10	30	
P182RM1230	P182LM1230	12	30	
P182RM1430	P182LM1430	14	30	
P182RM0540	P182LM0540	5	40	
P182RM0640	P182LM0640	6	40	
P182RM0840	P182LM0840	8	40	
P182RM1040	P182LM1040	10	40	
P182RM1240	P182LM1240	12	40	
P182RM1440	P182LM1440	14	40	
P182RM0550	P182LM0550	5	50	
P182RM0650	P182LM0650	6	50	
P182RM0850	P182LM0850	8	50	
P182RM1050	P182LM1050	10	50	
P182RM1250	P182LM1250	12	50	
P182RM1450	P182LM1450	14	50	

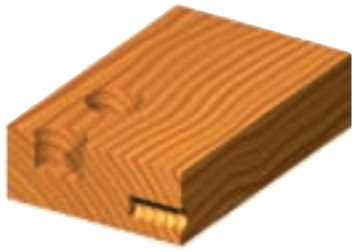
Impiego su foratrici
Use on boring machines
Anwendung auf Bohrmaschinen

PUNTE SPINATRICI SENZA SVASATORE
BROACHING DRILLS WITHOUT COUNTERSINK
DÜBELBOHRER OHNE SENKER

P183
HW



Attacco per macchine Chuck for machines Schaft für Maschinen
BUSELLATO-OMPEC SCHLEICHER VITAP-WEEKE

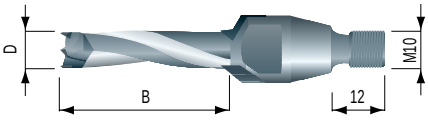


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	∅ B (mm)	€
P183RM0530	P183LM0530	5	30	
P183RM0630	P183LM0630	6	30	
P183RM0830	P183LM0830	8	30	
P183RM1030	P183LM1030	10	30	
P183RM1230	P183LM1230	12	30	
P183RM1430	P183LM1430	14	30	
P183RM0540	P183LM0540	5	40	
P183RM0640	P183LM0640	6	40	
P183RM0840	P183LM0840	8	40	
P183RM1040	P183LM1040	10	40	
P183RM1240	P183LM1240	12	40	
P183RM1440	P183LM1440	14	40	
P183RM0550	P183LM0550	5	50	
P183RM0650	P183LM0650	6	50	
P183RM0850	P183LM0850	8	50	
P183RM1050	P183LM1050	10	50	
P183RM1250	P183LM1250	12	50	
P183RM1450	P183LM1450	14	50	

Impiego su foratrici
Use on boring machines
Anwendung auf Bohrmaschinen

PUNTE SPINATRICI CON SVASATORE
BROACHING DRILLS WITH COUNTERSINK
DÜBELBOHRER MIT SENKER

P184
HW



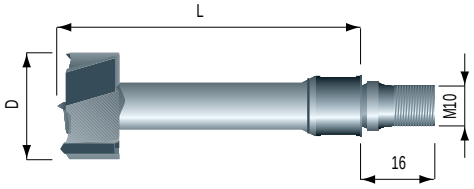
Attacco per macchine Chuck for machines Schaft für Maschinen
BUSELLATO-OMPEC SCHLEICHER VITAP-WEEKE

Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	∅ B (mm)	€
P184RM0530	P184LM0530	5	30	
P184RM0630	P184LM0630	6	30	
P184RM0830	P184LM0830	8	30	
P184RM1030	P184LM1030	10	30	
P184RM1230	P184LM1230	12	30	
P184RM1430	P184LM1430	14	30	
P184RM0540	P184LM0540	5	40	
P184RM0640	P184LM0640	6	40	
P184RM0840	P184LM0840	8	40	
P184RM1040	P184LM1040	10	40	
P184RM1240	P184LM1240	12	40	
P184RM1440	P184LM1440	14	40	
P184RM0550	P184LM0550	5	50	
P184RM0650	P184LM0650	6	50	
P184RM0850	P184LM0850	8	50	
P184RM1050	P184LM1050	10	50	
P184RM1250	P184LM1250	12	50	
P184RM1450	P184LM1450	14	50	

Impiego su foratrici
Use on boring machines
Anwendung auf Bohrmaschinen

P185
HW Z=2+2

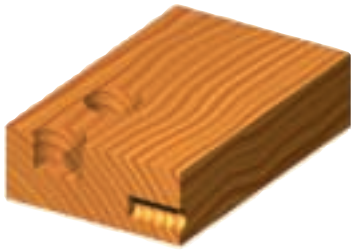
PUNTE PER CERNIERE
HINGE BORING BITS
BESCHLAGBOHRER



Attacco per macchine Chuck for machines Schaft für Maschinen
BIESSE-BÖTTCHER + GESSNER MORBIDELLI-RAIMANN TORWEGGE-WEEKE

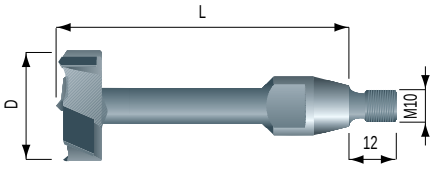
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P185RM2055	P185LM2055	20	55	
P185RM2555	P185LM2555	25	55	
P185RM2655	P185LM2655	26	55	
P185RM3055	P185LM3055	30	55	
P185RM3555	P185LM3555	35	55	
P185RM4055	P185LM4055	40	55	

Impiego	su foratrici, esecuzione di fori non passanti o sedi per cerniere
Use	on boring machines, for hardware recessing and pocket hole drilling
Anwendung	auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen



P186
HW Z=2+2

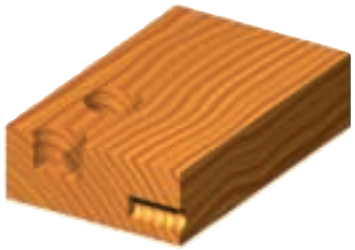
PUNTE PER CERNIERE
HINGE BORING BITS
BESCHLAGBOHRER



Attacco per macchine Chuck for machines Schaft für Maschinen
BUSELLATO-OMPEC SCHLEICHER VITAP-WEEKE

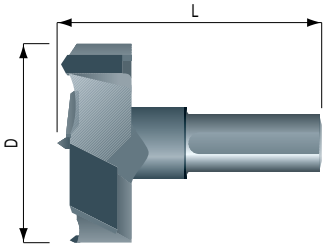
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P186RM2065	P186LM2065	20	65	
P186RM2565	P186LM2565	25	65	
P186RM2665	P186LM2665	26	65	
P186RM3065	P186LM3065	30	65	
P186RM3565	P186LM3565	35	65	
P186RM4065	P186LM4065	40	65	

Impiego	su foratrici, esecuzione di fori non passanti o sedi per cerniere
Use	on boring machines, for hardware recessing and pocket hole drilling
Anwendung	auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

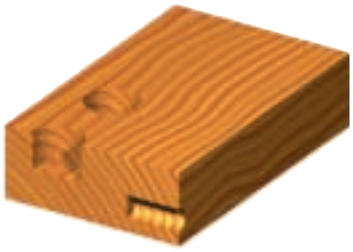


PUNTE PER CERNIERE
HINGE BORING BITS
BESCHLAGBOHRER

P163
HW Z=2+2



Attacco • Chuck • Schaft
∅ 10x26

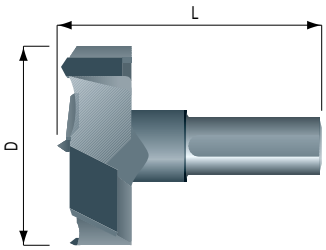


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P163RM1557	P163LM1557	15	57,5	
P163RM1657	P163LM1657	16	57,5	
P163RM1857	P163LM1857	18	57,5	
P163RM2057	P163LM2057	20	57,5	
P163RM2257	P163LM2257	22	57,5	
P163RM2557	P163LM2557	25	57,5	
P163RM2657	P163LM2657	26	57,5	
P163RM3057	P163LM3057	30	57,5	
P163RM3557	P163LM3557	35	57,5	
P163RM3857	P163LM3857	38	57,5	
P163RM4057	P163LM4057	40	57,5	
P163RM2070	P163LM2070	20	70	
P163RM2570	P163LM2570	25	70	
P163RM3070	P163LM3070	30	70	
P163RM3570	P163LM3570	35	70	

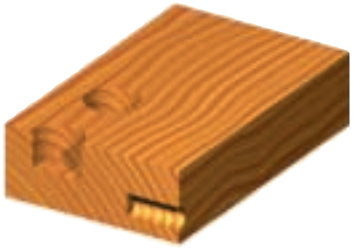
Impiego su foratrici, esecuzione di fori non passanti o sedi per cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

PUNTE PER CERNIERE
HINGE BORING BITS
BESCHLAGBOHRER

P164
HW Z=3+3



Attacco • Chuck • Schaft
∅ 10x26

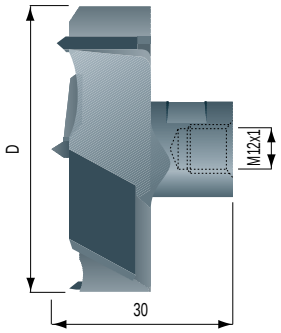


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P164RM2557	P164LM2557	25	57,5	
P164RM2657	P164LM2657	26	57,5	
P164RM3057	P164LM3057	30	57,5	
P164RM3557	P164LM3557	35	57,5	
P164RM3857	P164LM3857	38	57,5	
P164RM4057	P164LM4057	40	57,5	

Impiego su foratrici, esecuzione di fori non passanti o sedi per cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

P171
HW

PUNTE INTERCAMBIABILI PER CERNIERE
INTERCHANGEABLE HINGE BORING BITS
AUSWECHSELBARER BESCHLAGBOHRER

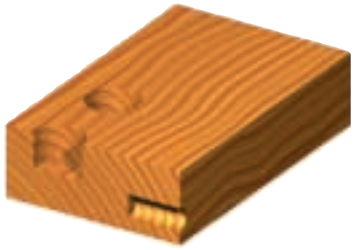


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P171RM0025	P171LM0025	25	30	
P171RM0026	P171LM0026	26	30	
P171RM0030	P171LM0030	30	30	
P171RM0035	P171LM0035	35	30	
P171RM0038	P171LM0038	38	30	
P171RM0040	P171LM0040	40	30	
P171RM0045	P171LM0045	45	30	
P171RM0050	P171LM0050	50	30	

Attacco • Chuck • Schaft

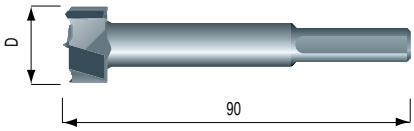
utilizzabili con art. P170
use with item P170
verwenden mit Art. P170

Impiego su foratrici, esecuzione di fori non passanti o sedi di cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen



P166
HW Z=2+2

PUNTE A TESTA CILINDRICA (LEVANODI)
CENTRE DRILLS WITH CYLINDRICAL HEAD
ZYLINDERKOPFBOHRER

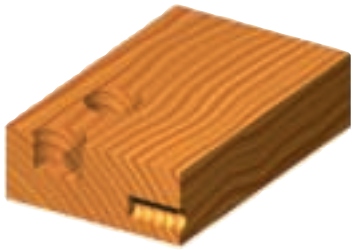


Rotation DX/RH/RL CODE	∅ D (mm)	L (mm)	€
P166RM0018	18	90	
P166RM0020	20	90	
P166RM0025	25	90	
P166RM0026	26	90	
P166RM0030	30	90	
P166RM0035	35	90	

Attacco • Chuck • Schaft

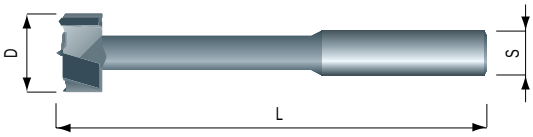
∅ 10x30

Impiego su foratrici, esecuzione di fori non passanti o sedi di cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

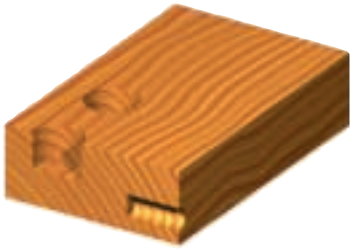


PUNTE A TESTA CILINDRICA (LEVANODI)
CENTRE DRILLS WITH CYLINDRICAL HEAD
ZYLINDERKOPFBOHRER

P167
HW Z=2+2



Attacco • Chuck • Schaft
∅ 13x50 ∅ 16x50



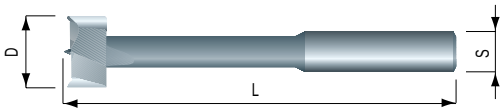
Rotation DX/RH/RL CODE	∅ D (mm)	L (mm)	€
P167RM0015	15	120	
P167RM0016	16	120	
P167RM0018	18	120	
P167RM0020	20	120	
P167RM0025	25	125	
P167RM0026	26	125	
P167RM0030	30	125	
P167RM0035	35	130	
P167RM0039	38	130	
P167RM0040	40	130	
P167RM0050	50	130	
P167RM0060	60	140	

Impiego su foratrici, esecuzione di fori non passanti o sedi di cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

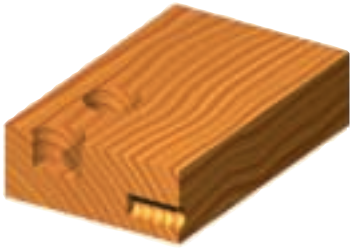
Attenzione sull'ordine specificare l'attacco "S"
Attenton on order specify the chuck "S"
Achtung bei Bestellung die Schaft angeben "S"

PUNTE A TESTA CILINDRICA (LEVANODI)
CENTRE DRILLS WITH CYLINDRICAL HEAD
ZYLINDERKOPFBOHRER

P168
KSS Z=2+2



Attacco • Chuck • Schaft
∅ 13x50 ∅ 16x50



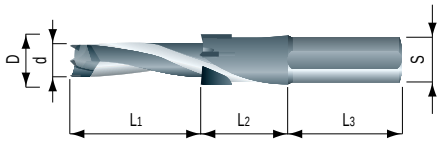
Rotation DX/RH/RL CODE	∅ D (mm)	L (mm)	€
P168RS0010	10	120	
P168RS0012	12	120	
P168RS0014	14	120	
P168RS0015	15	120	
P168RS0016	16	120	
P168RS0018	18	120	
P168RS0020	20	120	
P168RS0022	22	125	
P168RS0024	24	125	
P168RS0025	25	125	
P168RS0026	26	125	
P168RS0030	30	125	
P168RS0032	32	130	
P168RS0034	34	130	
P168RS0035	35	130	
P168RS0038	38	130	
P168RS0040	40	130	
P168RS0050	50	130	
P168RS0055	55	140	
P168RS0060	60	140	

Impiego su foratrici, esecuzione di fori non passanti o sedi di cerniere
Use on boring machines, for hardware recessing and pocket hole drilling
Anwendung auf Bohrmaschinen, für Sacklochbohrungen und Beschlagbohrungen

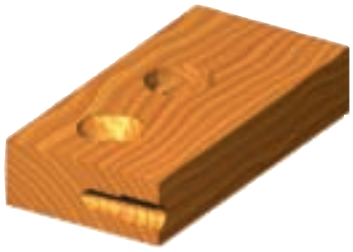
Attenzione sull'ordine specificare l'attacco "S"
Attenton on order specify the chuck "S"
Achtung bei Bestellung die Schaft angeben "S"

P165
HW

PUNTE PER DOPPI FORI
COUNTER-BORE TWIST DRILLS
STUFEN-SPIRALBOHRER



Attacco • Chuck • Schaft
A richiesta • On request • auf Anfrage



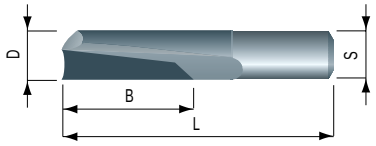
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L max. (mm)	€
P165RM0015	P165LM0015	15	130	
P165RM0020	P165LM0020	20	130	
P165RM0025	P165LM0025	25	130	
P165RM0030	P165LM0030	30	130	
P165RM0035	P165LM0035	35	130	
P165RM0040	P165LM0040	40	130	

Impiego esecuzione di forature a più diametri
Use possibility to execute various diameters
Anwendung Für abgestufte Bohrungen

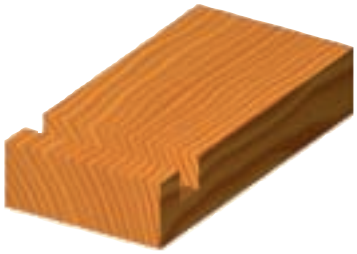
Attenzione sull'ordine specificare D - d - L_1 - L_2 - L_3 - S
Attention on order specify D - d - L_1 - L_2 - L_3 - S
Achtung Nennen bei der Bestellung D - d - L_1 - L_2 - L_3 - S

P230
HW Z=1

PUNTE PER PANTOGRAFO
ROUTER BITS
OBERFRÄSER



Attacco • Chuck • Schaft
∅ 9.5x20 ∅ 12x20

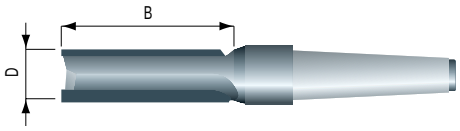


Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	S (mm)	€
P230RM0814	8	14	46	9,5	
P230RM1022	10	22	54	9,5	
P230RM1260	12	28	60	12	
P230RM1464	14	30	64	12	
P230RM1670	16	34	70	12	
P230RM1874	18	37	74	12	
P230RM2077	20	40	77	12	

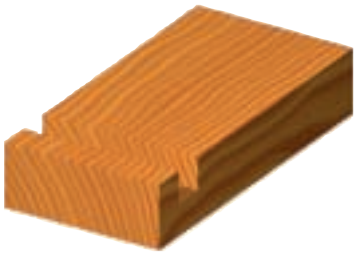
Impiego lavorazioni di foratura e contornatura
Use for boring and moulding
Anwendung zum Bohren und Fräsen

PUNTE PER PANTOGRAFO
ROUTER BITS
OBERFRÄSER

P187
HW Z=2



Attacco • Chuck • Schaft	
C.M.2 M.K.2	M20x14Fx1"

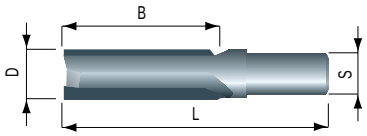


Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	€
P187RM1640	16	40	
P187RM1840	18	40	
P187RM2040	20	40	
P187RM2240	22	40	
P187RM1650	16	50	
P187RM1850	18	50	
P187RM2050	20	50	
P187RM2250	22	50	
P187RM1660	16	60	
P187RM1860	18	60	
P187RM2060	20	60	
P187RM2260	22	60	

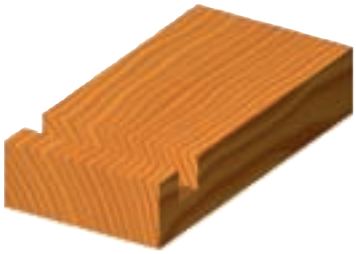
Impiego lavorazioni di foratura e contornatura
Use for boring and moulding
Anwendung zum Bohren und Fräsen

PUNTE PER PANTOGRAFO
ROUTER BITS
OBERFRÄSER

P210
HW Z=2



Attacco • Chuck • Schaft	
∅ 9.5x20	∅ 12x20



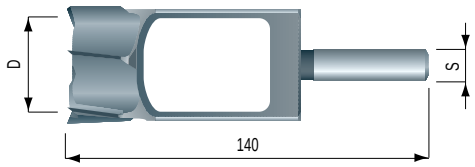
Rotation DX/RH/RL CODE	∅ D (mm)	B (mm)	L (mm)	S (mm)	€
P210RM0512	5*	12	45	9,5	
P210RM0614	6*	14	45	9,5	
P210RM0818	8*	18	55	9,5	
P210RM1022	10*	22	60	9,5	
P210RM1226	12	26	65	12	
P210RM1428	14	28	65	12	
P210RM1632	16	32	65	12	
P210RM1835	18	35	70	12	
P210RM2038	20	38	70	12	

* HW integrale
* Solid HW
* HW massiv

Impiego lavorazioni di foratura e contornatura
Use for boring and moulding
Anwendung zum Bohren und Fräsen

P169
KSS Z=5

PUNTE PER PERNI
PLUG CUTTERS
SCHEIBENSCHNEIDER



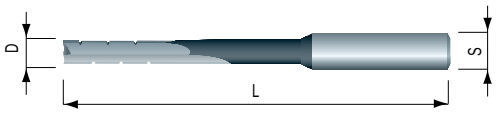
Attacco • Chuck • Schaft
∅ 13x50 ∅ 16x50

Rotation DX/RH/RL CODE	∅ D (mm)	S (mm)	€
P169RS1013	10	13	
P169RS1513	15	13	
P169RS2013	20	13	
P169RS2513	25	13	
P169RS3013	30	13	
P169RS3516	35	16	
P169RS4016	40	16	

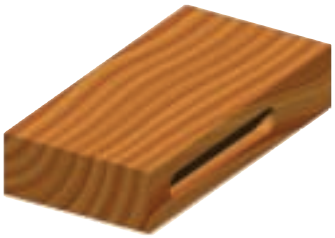
Impiego permette di ottenere il tappo per coprire i fori eseguiti con punte levanodi
Use for cutting out plugs for knoth holes
Anwendung zum Schneiden von Scheiben, Zapfen etc.

P172
KSS Z=2

PUNTE PER MORTASARE A TAGLIENTI DIRITTI CON ROMPITRUCIOLO
MORTISE DRILLS WITH STRAIGHT TEETH AND CHIPBREAKER
LANGLOCHBOHRER MIT SPANBRECHERNUTEN



Attacco • Chuck • Schaft
∅ 13x50 ∅ 16x50

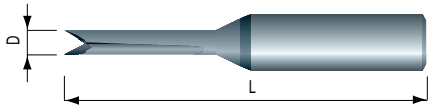


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	S (mm)	€
P172RS0613	P172LS0613	6	105	13	
P172RS0713	P172LS0713	7	110	13	
P172RS0813	P172LS0813	8	115	13	
P172RS0913	P172LS0913	9	120	13	
P172RS1013	P172LS1013	10	125	13	
P172RS1113	P172LS1113	11	130	13	
P172RS1213	P172LS1213	12	135	13	
P172RS1313	P172LS1313	13	140	13	
P172RS1413	P172LS1413	14	145	13	
P172RS1513	P172LS1513	15	150	13	
P172RS1613	P172LS1613	16	155	13	
P172RS0616	P172LS0616	6	105	16	
P172RS0716	P172LS0716	7	110	16	
P172RS0816	P172LS0816	8	115	16	
P172RS0916	P172LS0916	9	120	16	
P172RS1016	P172LS1016	10	125	16	
P172RS1116	P172LS1116	11	130	16	
P172RS1216	P172LS1216	12	135	16	
P172RS1316	P172LS1316	13	140	16	
P172RS1416	P172LS1416	14	145	16	
P172RS1516	P172LS1516	15	150	16	
P172RS1616	P172LS1616	16	155	16	

Impiego per asole di precisione su mortasatrici
Use for making precise slots on mortising machines
Anwendung zum Fräsen von Langlöchern, Schlitzen in Weichholz

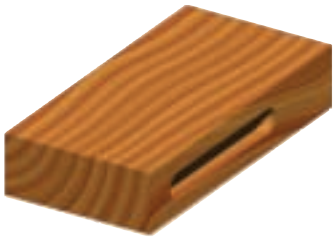
PUNTE PER MORTASARE A TAGLIENTI DIRITTI
MORTISE DRILLS WITH STRAIGHT TEETH
PENDELSCHLITZBOHRER

P173
KSS Z=2



Attacco • Chuck • Schaft
∅ 13x50 ∅ 16x50

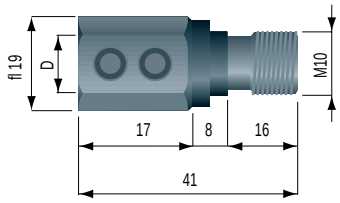
CODE	∅ D (mm)	L (mm)	€
P173NS1606	6	95	
P173NS1607	7	95	
P173NS1608	8	95	
P173NS1609	9	95	
P173NS1610	10	100	
P173NS1612	12	100	
P173NS1614	14	100	
P173NS1616	16	100	



Impiego	per asole di precisione su macchine automatiche
Use	for making precise slots on automatic machines
Anwendung	zum Fräsen von ausrißfreien Langlöchern bei pendelnder Arbeitsbewegung

MANDRINI PER PUNTE COMPONIBILI
REDUCING CHUCKS FOR DOWEL DRILLS
BOHRFUTTER FÜR DÜBELBOHRER

P155

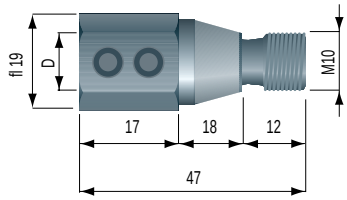


Attacco per macchine Chuck for machines Schaft für Maschinen
BIESSE-GESSNER MORBIDELLI-RAIMANN TORWEGGE-WEEKE

Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P155RC0815	P155LC0815	8	47	
P155RC1019	P155LC1019	10	47	

MANDRINI PER PUNTE COMPONIBILI
REDUCING CHUCKS FOR DOWEL DRILLS
BOHRFUTTER FÜR DÜBELBOHRER

P156

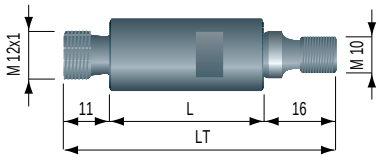


Attacco per macchine Chuck for machines Schaft für Maschinen
BUSELLATO-OMPEC SCHLEICHER VITAP-WEEKE

Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P156RC0815	P156LC0815	8	47	
P156RC1019	P156LC1019	10	47	

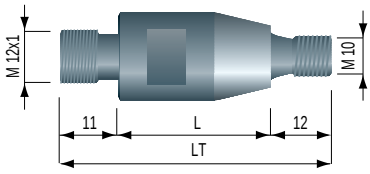
P170

ATTACCHI PER PUNTE INTERCAMBIABILI PER ART. P171
INTERCHANGEABLE DRILL-CHUCKS FOR ART. P171
SCHAFTAUFNAHMEN FÜR ART. P171



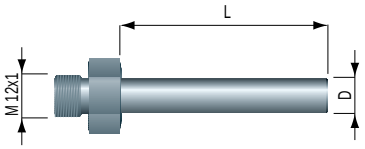
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	L (mm)	LT (mm)	€
P170RC1125	P170LC1125	25	52	
P170RC1135	P170LC1135	35	62	

Attacco per macchine Chuck for machines Schaft für Maschinen	BIESSE-GESSNER MORBIDELLI-RAIMANN TORWEGGE-WEEKE

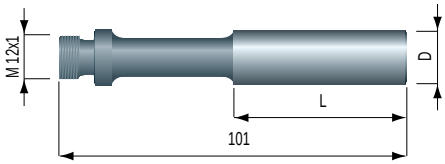


Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	L (mm)	LT (mm)	€
P170RC3025	P170LC3025	25	48	
P170RC3035	P170LC3035	35	58	

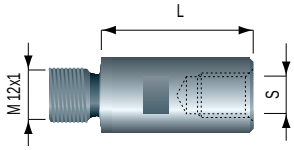
Attacco per macchine Chuck for machines Schaft für Masch.	BUSELLATO-OMPEC SCHLEICHER VITAP-WEEKE



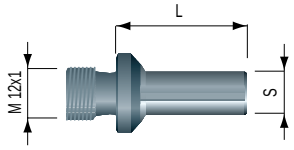
Rotation DX/RH/RL CODE	∅ D (mm)	L (mm)	€
P170RC0840	8	40	
P170RC9540	9,5	40	
P170RC1040	10	40	
P170RC1240	12	40	



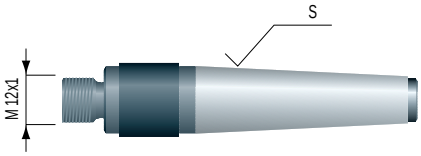
Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	∅ D (mm)	L (mm)	€
P170RC1350	P170LC1350	13	50	
P170RC1650	P170LC1650	16	50	



Rotation DX/RH/RL CODE	S (mm)	L (mm)	€
P170RC1225	M 12x1	25	



Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	S (mm)	L (mm)	€
P170RC1026	P170LC1026	10	27	



Rotation DX/RH/RL CODE	Rotation SX/LH/LL CODE	S (mm)	€
P170RC0CM2	P170LC0CM2	C.M.2/M.K.2 M20x14Fx1	