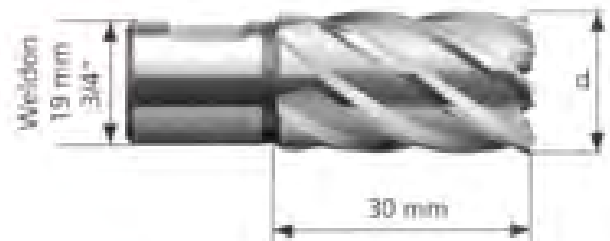


Weldon	19
	30 mm

30	HSS Co8	Weldon 19 3/4"

Kernlochbohrer
Foret carotteur
Frese a corona
Core drills



Material Code:	ALU 99.5% 40	ALU <10% Si 37	ALU Guss ●	Steel <500 N 25	Stahl <750 N 20	Steel <900 N 15	Steel <1100 N 10	Steel 45 HRC 7	Weldon	
901.0030										
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N 12	Inox >900 N ●	Ti >800 N ○	GGGG 18	Hardox incoel ○		
901.0030										901.0030

Ø Code	Ø mm	empfohlene U/min			tr/min	Preis
		Steel	Inox	ALU		
.00012	12,0	530	320	980	46.20	
.00013	13,0	490	295	905	47.10	
.00014	14,0	455	275	840	47.10	
.00015	15,0	425	255	785	48.70	
.00016	16,0	400	240	735	50.30	
.00017	17,0	375	225	695	52.00	
.00018	18,0	355	210	655	54.40	
.00019	19,0	335	200	620	55.30	
.00020	20,0	320	190	590	59.40	
.00021	21,0	305	180	560	62.70	
.00022	22,0	290	175	535	64.40	
.00023	23,0	275	165	510	67.60	
.00024	24,0	265	160	490	69.30	
.00025	25,0	255	155	470	72.60	
.00026	26,0	245	145	455	74.30	
.00027	27,0	235	140	435	78.40	
.00028	28,0	225	135	420	80.00	
.00029	29,0	220	130	405	83.40	
.00030	30,0	210	125	395	86.60	
.00031	31,0	205	125	380	86.60	
.00032	32,0	200	120	370	91.40	
.00033	33,0	195	115	355	94.90	
.00034	34,0	185	110	345	109.30	
.00035	35,0	180	110	335	115.50	
.00036	36,0	175	105	330	138.20	
.00037	37,0	170	105	320	140.00	
.00038	38,0	165	100	310	141.00	

Kernlochbohrer
Foret carotteur
Frese a corona
Core drills



Weldon	19
	30 mm

Weldon 19 3/4"	HSS Co8	30

Material:	ALU 99.5%	ALU <10% Si	ALU Gum.	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon	
901.0030	40	37	●	25	20	15	10	7		
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <500 N	Inox >900 N	Ti >800 N	GG(G)	Hardox incomet		
901.0030				12	●	○	18	○		901.0030
Ø Code	Ø mm	empfohlene U/min			tr/min					Preis
.00039	39,0	165	100	300						146.00
.00040	40,0	160	95	295						147.00
.00041	41,0	155	95	285						147.00
.00042	42,0	150	90	280						157.00
.00043	43,0	150	90	275						164.00
.00044	44,0	145	85	270						170.00
.00045	45,0	140	85	260						171.00
.00046	46,0	140	85	255						172.00
.00047	47,0	135	80	250						178.00
.00048	48,0	130	80	245						186.00
.00049	49,0	130	80	240						188.00
.00050	50,0	125	75	235						199.00
.00051	51,0	125	75	230						203.00
.00052	52,0	120	75	225						209.00
.00053	53,0	120	70	220						222.00
.00054	54,0	115	70	220						233.00
.00055	55,0	115	70	215						237.00
.00056	56,0	115	70	210						244.00
.00057	57,0	110	65	210						252.00
.00058	58,0	110	65	205						258.00
.00059	59,0	110	65	200						299.00
.00060	60,0	105	65	195						323.00




Weldon	19
	30 mm

30	MK	Weldon 19 3/4"

Zubehör zu Kernlochbohrer
Accessoires pour foret carotteur
Accessori per frese a corona
Accessories for core drills



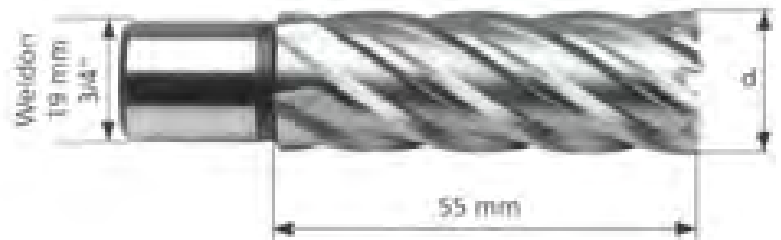
Material:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon
901.0000									
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Incor <800 N	Incor >900 N	Ti >800 N	GG(G)	Hardox Inconel	
901.0000									901.0000

Ø Code				Preis
	KeyLess Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises KeyLess avec lubrification			
.A1219		Ø 12 - 60 mm	MK: 2	394.00
.A1319		Ø 12 - 60 mm	MK: 3	431.00
	Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises avec lubrification			
.B1219		Ø 12 - 60 mm	MK: 2	247.00
.B1319		Ø 12 - 60 mm	MK: 3	272.00
	Aufnahmehalter ohne Kühlmittelzufuhr Porte-fraises sans lubrification			
.C1219		Ø 12 - 60 mm	MK: 2	156.00
.C1319		Ø 12 - 60 mm	MK: 3	175.00

Weldon	19
	55 mm

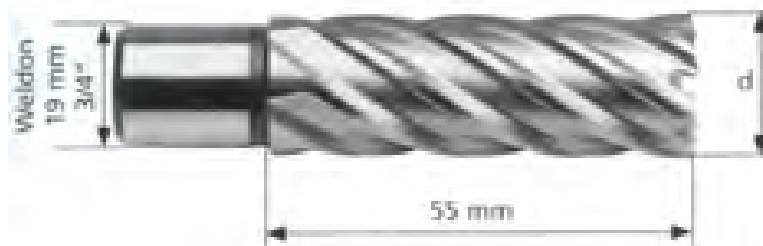
55	HSS Co8	Weldon 19 3/4"

**Kernlochbohrer
Foret carotteur
Frese a corona
Core drills**



Material Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Weldon
	99-5% 40	<10% Si 17	Guss ●	<500 N 25	<750 N 20	<900 N 15	<1100 N 10	>45 HRC 7	
Material Code:	Steel	Steel	Steel	Inox	Inox	TI	GG(G)	Hardox Inconel	901.0055
901.0055	55 HRC	60 HRC	65 HRC	<900 N 12	>900 N ●	>800 N □	TE	□	
Ø Code	Ø mm	empfohlene U/min							Preis
		Steel	Inox	ALU	tr/min				
.00012	12,0	530	320	980					60,20
.00013	13,0	490	295	905					61,00
.00014	14,0	455	275	840					61,00
.00015	15,0	425	255	785					63,50
.00016	16,0	400	240	735					66,00
.00017	17,0	375	225	695					67,70
.00018	18,0	355	210	655					70,90
.00019	19,0	335	200	620					71,80
.00020	20,0	320	190	590					77,50
.00021	21,0	305	180	560					81,50
.00022	22,0	290	175	535					83,40
.00023	23,0	275	165	510					88,20
.00024	24,0	265	160	490					89,90
.00025	25,0	255	155	470					94,00
.00026	26,0	245	145	455					96,50
.00027	27,0	235	140	435					102,30
.00028	28,0	225	135	420					104,00
.00029	29,0	220	130	405					108,00
.00030	30,0	210	125	395					113,00
.00031	31,0	205	125	380					113,00
.00032	32,0	200	120	370					119,00
.00033	33,0	195	115	355					123,00
.00034	34,0	185	110	345					142,00
.00035	35,0	180	110	335					150,00
.00036	36,0	175	105	330					173,00
.00037	37,0	170	105	320					182,00
.00038	38,0	165	100	310					183,00

Kernlochbohrer
Foret carotteur
Frese a corona
Core drills



Weldon	19	
	55 mm	
Weldon 19 3/4"	HSS Co8	55

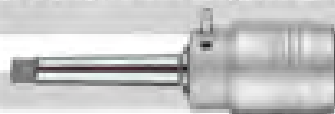
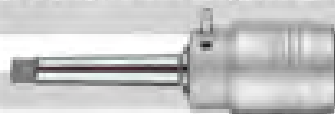
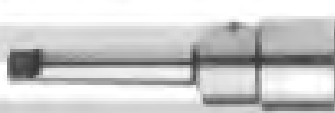
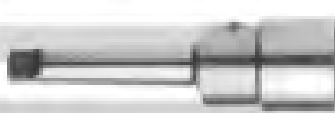
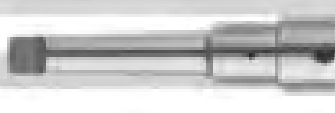
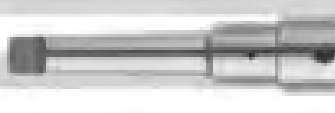
Material:	ALU 99.5%	ALU <10% Si	ALU Guts	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon	
901.0055	40	37	●	25	20	15	10	7		
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel		
901.0055				12	●	○	18	○		901.0055
Ø Code	Ø mm	empfohlene U/min			tr/min					Preis
.00039	39,0	165	100	300						190.00
.00040	40,0	160	95	295						191.00
.00041	41,0	155	95	285						192.00
.00042	42,0	150	90	280						204.00
.00043	43,0	150	90	275						213.00
.00044	44,0	145	85	270						220.00
.00045	45,0	140	85	260						223.00
.00046	46,0	140	85	255						223.00
.00047	47,0	135	80	250						232.00
.00048	48,0	130	80	245						242.00
.00049	49,0	130	80	240						244.00
.00050	50,0	125	75	235						258.00
.00051	51,0	125	75	230						265.00
.00052	52,0	120	75	225						271.00
.00053	53,0	120	70	220						288.00
.00054	54,0	115	70	220						301.00
.00055	55,0	115	70	215						309.00
.00056	56,0	115	70	210						316.00
.00057	57,0	110	65	210						327.00
.00058	58,0	110	65	205						335.00
.00059	59,0	110	65	200						388.00
.00060	60,0	105	65	195						419.00

Weldon	19
	55

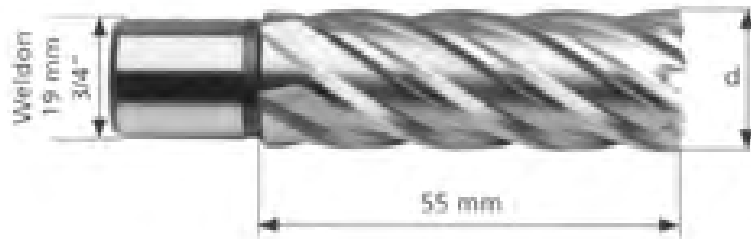
55	MK	Weldon 19 3/4"

Zubehör zu Kernlochbohrer
Accessoires pour foret carotteur
Accessori per frese a corona
Accessories for core drills






Material:	ALU 99,5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon	
901.0000										
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel		
901.0000										901.0000
Ø Code										Preis
	KeyLess Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises KeyLess avec lubrification									
.A1219										394.00
.A1319										431.00
	Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises avec lubrification									
.B1219										247.00
.B1319										272.00
	Aufnahmehalter ohne Kühlmittelzufuhr Porte-fraises sans lubrification									
.C1219										156.00
.C1319										175.00

Zubehör zu Kernlochbohrer
Accessoires pour foret carotteur
Accessori per frese a corona
Accessories for core drills



Weldon	19
	55 mm
Weldon 19 3/4"	55

Material Code:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Werksnorm		
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel			
Ø Code									Preis		
Auswerferstift / Tige d'éjection / punta pilota											
901.0055.01103									Ø 6,35 x 103 mm		11.20
Adapter: Quick-In / Weldon-19											
901.0000.01018	Fein Quick-In 18 mm					Weldon 19 mm (3/4)			193.00		
901.0055.01125									Ø 6,35 x 125 mm		11.90

Quick-In	18
	35 mm

35	HSS Co8	Quick-In 18

Kernlochbohrer
Foret carotteur
Frese a corona
Core drills

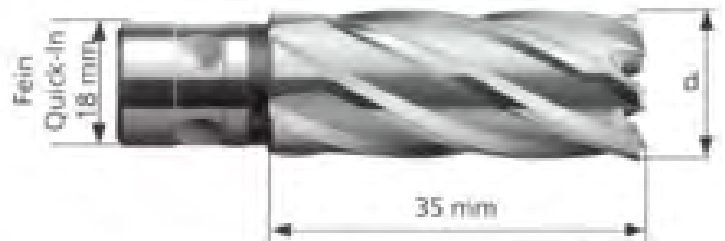


Material:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Quick-In
911.0035	40	37	●	25	20	15	10	7	
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel	Quick-In
911.0035				12	●	□	18	□	911.0035
Ø Code	Ø mm	empfohlene U/min			tr/min			Preis	
		Steel	Inox	ALU					
.00012	12,0	530	320	980				46.20	
.00013	13,0	490	295	905				47.10	
.00014	14,0	455	275	840				47.10	
.00015	15,0	425	255	785				48.70	
.00016	16,0	400	240	735				50.30	
.00017	17,0	375	225	695				52.00	
.00018	18,0	355	210	655				54.40	
.00019	19,0	335	200	620				55.30	
.00020	20,0	320	190	590				59.40	
.00021	21,0	305	180	560				62.70	
.00022	22,0	290	175	535				64.40	
.00023	23,0	275	165	510				67.60	
.00024	24,0	265	160	490				69.30	
.00025	25,0	255	155	470				72.60	
.00026	26,0	245	145	455				74.30	
.00027	27,0	235	140	435				78.40	
.00028	28,0	225	135	420				80.00	
.00029	29,0	220	130	405				83.40	
.00030	30,0	210	125	395				86.60	
.00031	31,0	205	125	380				86.60	
.00032	32,0	200	120	370				91.40	
.00033	33,0	195	115	355				94.90	
.00034	34,0	185	110	345				109.30	
.00035	35,0	180	110	335				115.50	
.00036	36,0	175	105	330				138.20	
.00037	37,0	170	105	320				140.00	
.00038	38,0	165	100	310				141.00	

Quick-In	18
	35 mm

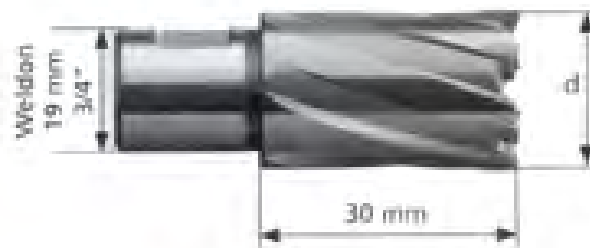
35		Quick-In 18

Zubehör zu Kernlochbohrer
Accessoires pour foret carotteur
Accessori per frese a corona
Accessories for core drills



Material:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Quick-In		
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel			
										911.0000	
Ø Code										Preis	
	Auswerferstift / Tige d'éjection / punta pilota										
911.0035.01096									Ø 6,35 x 96 mm		11,90
	Adapter: Weldon-19 / Quick-In										
911.0000.01019	Weldon 19 mm (3/4)				Fein Quick-In 18 mm					193,00	
911.0035.01115									Ø 6,35 x 115 mm		11,90

Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills



Weldon	19
	30 mm

Weldon 19 3/4"	HM-Z	30

Material Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Weldon	
	99,5%	<10% Si	Glass	<500 N	<750 N	<900 N	<1100 N	45 HRC		
901.HM30	40	J7	●	35	30	25	25	20		
Material Code:	Steel	Steel	Steel	Inox	Inox	Ti	GG(G)	Hardox	901.HM30	
901.HM30	55 HRC	60 HRC	65 HRC	<900 N	>900 N	>800 N	20	●		
Ø Code	Ø mm	empfohlene U/min			tr/min		Preis			
		Steel	Inox	ALU						
.00014	14,0	570	455	910						73.40
.00015	15,0	530	425	850						75.10
.00016	16,0	500	400	800						75.30
.00017	17,0	470	375	750						75.60
.00018	18,0	450	355	710						75.90
.00019	19,0	420	335	670						76.20
.00020	20,0	400	320	635						76.20
.00021	21,0	380	305	610						77.00
.00022	22,0	360	290	580						77.00
.00023	23,0	350	280	555						77.30
.00024	24,0	330	265	530						77.80
.00025	25,0	320	255	510						78.10
.00026	26,0	310	245	490						80.30
.00027	27,0	300	235	470						80.30
.00028	28,0	285	225	455						80.50
.00029	29,0	275	220	440						80.80
.00030	30,0	265	210	425						81.10
.00031	31,0	255	205	410						95.30
.00032	32,0	250	200	400						95.80
.00033	33,0	240	195	385						96.10
.00034	34,0	235	185	375						96.40
.00035	35,0	225	180	365						96.90
.00036	36,0	220	175	355						108.60
.00037	37,0	215	170	345						108.90
.00038	38,0	210	170	335						109.70
.00039	39,0	205	165	325						110.00
.00040	40,0	200	160	320						110.60

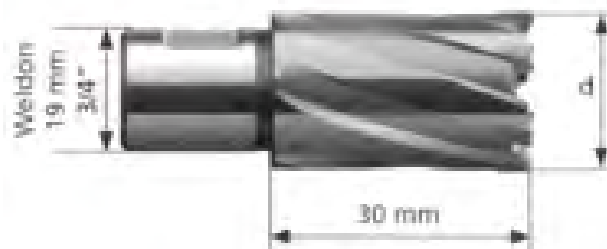
Weldon		19
		30 mm
30	HM-Z	Weldon 19 3/4"

Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills

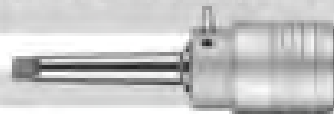

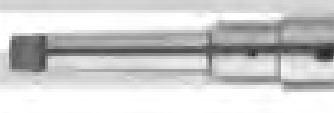


Material Code:	ALU 99.5%	ALU ≤10% Si	ALU Guss	Steel ≤500 N	Steel ≤750 N	Steel ≤900 N	Steel ≤1100 N	Steel 45 HRC	Weldon
901.HM30	40	37	●	35	30	25	25	20	
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox ≤900 N	Inox >900 N	Ti ≥800 N	GGGG	Hardox Inconel	
901.HM30				20	20	●	20	●	901.HM30
Ø Code	Ø mm	empfohlene U/min							Preis
		Steel	Inox	ALU					
.00041	41,0	195	155	310					132.40
.00042	42,0	190	150	300					132.70
.00043	43,0	185	150	295					133.00
.00044	44,0	180	145	290					133.20
.00045	45,0	175	140	280					133.50
.00046	46,0	175	140	275					143.60
.00047	47,0	170	135	270					143.90
.00048	48,0	165	130	265					144.10
.00049	49,0	160	130	260					144.40
.00050	50,0	160	130	255					150.10
.00051	51,0	155	125	250					165.20
.00052	52,0	155	120	245					169.80
.00053	53,0	150	120	240					173.40
.00054	54,0	145	120	235					182.10
.00055	55,0	145	115	230					184.00
.00056	56,0	140	115	225					189.70
.00057	57,0	140	110	225					193.30
.00058	58,0	135	110	220					197.10
.00059	59,0	135	110	215					202.80
.00060	60,0	130	105	210					204.80

Zubehör zu HM-Kernlochbohrer
Accessoires pour foret carotteur métal dur
Accessori per frese a corona in metallo duro
Accessories for carbide core drills

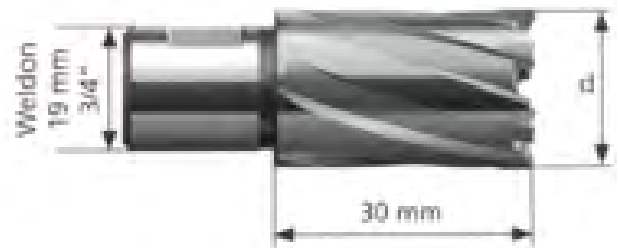


Weldon	19	
	30 mm	
Weldon 19 3/4"	MK	30

Material:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon	
901.0000										
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel		
901.0000										901.0000
Ø Code									Preis	
KeyLess Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises KeyLess avec lubrification										
.A1219			Ø 12 - 60 mm		MK: 2				394.00	
.A1319			Ø 12 - 60 mm		MK: 3				431.00	
Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises avec lubrification										
.B1219			Ø 12 - 60 mm		MK: 2				247.00	
.B1319			Ø 12 - 60 mm		MK: 3				272.00	
Aufnahmehalter ohne Kühlmittelzufuhr Porte-fraises sans lubrification										
.C1219			Ø 12 - 60 mm		MK: 2				156.00	
.C1319			Ø 12 - 60 mm		MK: 3				175.00	

Weldon		19
		30 mm
30		Weldon 19 3/4"

Zubehör zu HM-Kernlochbohrer
Accessoires pour foret carotteur métal dur
Accessori per frese a corona in metallo duro
Accessories for carbide core drills



Material Code:	ALU 99,5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Werksnorm
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel	
Ø Code									Preis
Auswerferstift / Tige d'éjection / punta pilota									
901.0030.01079	 Ø 6,35 x 79 mm								10.00
Adapter: Quick-In / Weldon-19									
901.0000.01018	Fein Quick-In 18 mm							Weldon 19 mm (3/4)	193.00
901.0030.01107	 Ø 6,35 x 107 mm								11.90

Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills



Weldon	19	
	55 mm	
Weldon 19 3/4"	HM-Z	55

Material: Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Weldon	
	99.5%	<10% Si	Cast	<500 N	<750 N	<900 N	<1100 N	45 HRC		
901.HM55	40	37	●	35	30	25	25	20		
Material: Code:	Steel	Steel	Steel	Inox	Inox	Ti	GG(G)	Hardas	901.HM55	
901.HM55	55 HRC	60 HRC	65 HRC	<900 N	>900 N	>800 N	20	●		
Ø Code	Ø mm	empfohlene U/min			tr/min					Preis
		Steel	Inox	ALU						
.00014	14,0	570	455	910						84.40
.00015	15,0	530	425	850						84.40
.00016	16,0	500	400	800						84.40
.00017	17,0	470	375	750						84.40
.00018	18,0	450	355	710						84.40
.00019	19,0	420	335	670						84.40
.00020	20,0	400	320	635						84.40
.00021	21,0	380	305	610						86.00
.00022	22,0	360	290	580						86.00
.00023	23,0	350	280	555						86.00
.00024	24,0	330	265	530						86.80
.00025	25,0	320	255	510						87.10
.00026	26,0	310	245	490						89.30
.00027	27,0	300	235	470						89.30
.00028	28,0	285	225	455						92.60
.00029	29,0	275	220	440						92.60
.00030	30,0	265	210	425						93.10
.00031	31,0	255	205	410						113.80
.00032	32,0	250	200	400						114.40
.00033	33,0	240	195	385						114.90
.00034	34,0	235	185	375						115.50
.00035	35,0	225	180	365						116.00
.00036	36,0	220	175	355						128.30
.00037	37,0	215	170	345						129.10
.00038	38,0	210	170	335						130.00
.00039	39,0	205	165	325						130.50
.00040	40,0	200	160	320						130.90

Weldon	19
	55 mm

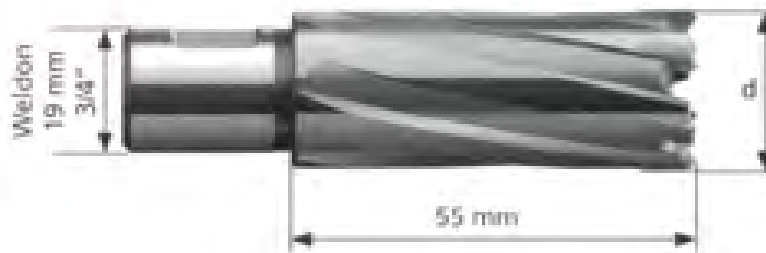
55	HM-Z	Weldon 19 3/4"

Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills






Material Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Weldon
	59.5%	<10% Si	Guss	<500 N	>750 N	>900 N	>1100 N	45 HRC	
901.HM55	-40	37	●	35	10	25	25	20	
Material Code:	Steel	Steel	Steel	Inox	Inox	Ti	Gg(G)	Hardox	901.HM55
901.HM55	55 HRC	60 HRC	65 HRC	<900 N	>900 N	>800 N	20	●	
Ø Code	Ø mm	empfohlene U/min			tr/min				Preis
.00041	41,0	195	155	310					149.90
.00042	42,0	190	150	300					150.40
.00043	43,0	185	150	295					150.70
.00044	44,0	180	145	290					151.00
.00045	45,0	175	140	280					151.20
.00046	46,0	175	140	275					158.30
.00047	47,0	170	135	270					158.60
.00048	48,0	165	130	265					159.00
.00049	49,0	160	130	260					159.20
.00050	50,0	160	130	255					163.80
.00051	51,0	155	125	250					178.80
.00052	52,0	155	120	245					183.50
.00053	53,0	150	120	240					185.40
.00054	54,0	145	120	235					194.60
.00055	55,0	145	115	230					196.00
.00056	56,0	140	115	225					204.20
.00057	57,0	140	110	225					216.20
.00058	58,0	135	110	220					219.00
.00059	59,0	135	110	215					222.50
.00060	60,0	130	105	210					226.10

Zubehör zu HM-Kernlochbohrer
Accessoires pour foret carotteur métal dur
Accessori per frese a corona in metallo duro
Accessories for carbide core drills



Weldon	19	
	55 mm	
Weldon 19 3/4"	MK	55

Material:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Weldon	
901.0000										
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GC(G)	Hardox Inconel		
901.0000										901.0000
Ø Code									Preis	
	KeyLess Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises KeyLess avec lubrification									
.A1219			Ø 12 - 60 mm		MK: 2					394.00
.A1319			Ø 12 - 60 mm		MK: 3					431.00
	Aufnahmehalter mit Kühlmittelzufuhr Porte-fraises avec lubrification									
.B1219			Ø 12 - 60 mm		MK: 2					247.00
.B1319			Ø 12 - 60 mm		MK: 3					272.00
	Aufnahmehalter ohne Kühlmittelzufuhr Porte-fraises sans lubrification									
.C1219			Ø 12 - 60 mm		MK: 2					156.00
.C1319			Ø 12 - 60 mm		MK: 3					175.00

Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills



Quick-In	18	
	35 mm	
Quick-In	HM-Z	35

Material:	ALU 89.5%	ALU <10% Si	ALU Glass	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Quick-In	
911.HM35	40	37	●	15	30	25	25	20		
Material:	Steel 35 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel		
911.HM35				20	20	●	20	●		911.HM35

Ø Code	Ø mm	empfohlene U/min			Preis
		Steel	Inox	ALU	
.00014	14,0	570	455	910	79.20
.00015	15,0	530	425	850	80.50
.00016	16,0	500	400	800	80.50
.00017	17,0	470	375	750	80.50
.00018	18,0	450	355	710	81.90
.00019	19,0	420	335	670	83.30
.00020	20,0	400	320	635	83.30
.00021	21,0	380	305	610	83.30
.00022	22,0	360	290	580	83.30
.00023	23,0	350	280	555	83.30
.00024	24,0	330	265	530	83.30
.00025	25,0	320	255	510	88.70
.00026	26,0	310	245	490	88.70
.00027	27,0	300	235	470	88.70
.00028	28,0	285	225	455	88.70
.00029	29,0	275	220	440	88.70
.00030	30,0	265	210	425	90.10
.00031	31,0	255	205	410	105.10
.00032	32,0	250	200	400	105.10
.00033	33,0	240	195	385	105.10
.00034	34,0	235	185	375	105.10
.00035	35,0	225	180	365	105.10
.00036	36,0	220	175	355	118.70
.00037	37,0	215	170	345	118.70
.00038	38,0	210	170	335	118.70
.00039	39,0	205	165	325	118.70
.00040	40,0	200	160	320	118.70

Quick-In	18
	35 mm

35	HM-Z	Quick-In

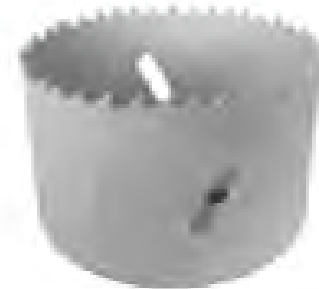
Hartmetallbestückte Kernlochbohrer
Foret carotteur métal dur
Frese a corona in metallo duro
Carbide core drills



Material:	ALU 99,5% 40	ALU <10% Si 37	ALU Guss ●	Stahl <500 N 35	Stahl <750 N 30	Stahl <900 N 25	Stahl <1100 N 25	Stahl 45 HRC 20	Quick-In
911.HM35									
Material:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N 20	Inox >900 N 20	Ti >800 N ●	Gö(Cr) 20	Hardox Inconel ●	Quick-In
911.HM35									911.HM35
Ø Code	Ø mm	empfohlene U/min			tr/min			Preis	
		Steel	Inox	ALU					
.00041	41,0	195	155	310				139.20	
.00042	42,0	190	150	300				139.20	
.00043	43,0	185	150	295				139.20	
.00044	44,0	180	145	290				139.20	
.00045	45,0	175	140	280				139.20	
.00046	46,0	175	140	275				148.80	
.00047	47,0	170	135	270				148.80	
.00048	48,0	165	130	265				148.80	
.00049	49,0	160	130	260				148.80	
.00050	50,0	160	130	255				158.30	
.00051	51,0	155	125	250				172.00	
.00052	52,0	155	120	245				178.80	
.00053	53,0	150	120	240				180.20	
.00054	54,0	145	120	235				184.30	
.00055	55,0	145	115	230				189.70	
.00056	56,0	140	115	225				195.20	
.00057	57,0	140	110	225				200.60	
.00058	58,0	135	110	220				204.70	
.00059	59,0	135	110	215				207.50	
.00060	60,0	130	105	210				212.90	

Werksnorm		Bimetall
		8% Co
4/6"	HSS	M42
Vario	Co8	

Lochsäge M42 mit Variozahnung (4/6")
Scies trépan M42 avec denture variée (4/6")
Seghe a tazza M42 con passo variabile (4/6")
Hole saws M42 with variable teeth (4/6")



Material Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Werksnorm
	99.5% 40	<10% Si 39	Glass	<500 N 30	<750 N 25	<900 N	<1100 N	45 HRC	
930.0000									
Material Code:	Steel	Steel	Steel	Inox	Inox	Ti	GG(G)	Hardox	930.0000
930.0000	55 HRC	60 HRC	65 HRC	<900 N 12	>900 N	>800 N		involvel	
Ø	Ø	Ø	empfohlene U/min						Preis
Code	mm	Zoll /"	Steel	Inox	ALU	tr/min			
.00014	14	9/16	550	300	900				4.00
.00016	16	5/8	530	275	825				4.60
.00017	17	11/16	500	250	750				5.00
.00019	19	3/4	460	230	690				5.50
.00020	20	25/32	425	210	660				5.70
.00021	21	13/16	390	195	630				6.00
.00022	22	7/8	370	185	585				6.30
.00024	24	15/16	350	175	555				6.80
.00025	25	1"	325	160	525				7.10
.00027	27	1 1/16	300	150	480				7.60
.00029	29	1 1/8	300	150	450				8.30
.00030	30	1 3/16	285	145	425				8.60
.00032	32	1 1/4	275	140	410				9.10
.00033	33	1 5/16	260	135	390				9.40
.00035	35	1 3/8	250	125	375				9.90
.00037	37	1 7/16	230	120	345				10.60
.00038	38	1 1/2	230	115	345				10.80
.00040	40	1 9/16	220	110	330				10.80
.00041	41	1 5/8	210	105	315				10.80
.00043	43	1 11/16	205	100	305				10.80
.00044	44	1 3/4	195	95	295				11.00
.00046	46	1 13/16	190	95	285				11.50
.00048	48	1 7/8	180	90	270				12.00
.00051	51	2"	170	85	255				12.80
.00052	52	2 1/16	165	80	250				13.00
.00054	54	2 1/8	160	80	240				13.50
.00057	57	2 1/4	150	75	225				14.30

Lochsäge M42 mit Variozahnung (4/6")
Scies trépan M42 avec denture variée (4/6")
Seghe a tazza M42 con passo variabile (4/6")
Hole saws M42 with variable teeth (4/6")









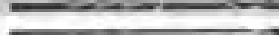



Werksnorm	Bimetall	
	8% Co	
M42	HSS Co8	4/6" Vario

Material Code:	ALU	ALU	ALU	Steel	Steel	Steel	Steel	Steel	Werksnorm	
	99.5%	<10% Si	Glas	<500 N	<750 N	<900 N	<1100 N	45 HRC		
930.0000	40	30		30	25					
Material Code:	Steel	Steel	Steel	Inox	Inox	Ti	GGGG	Hardox	930.0000	
930.0000	55 HRC	60 HRC	65 HRC	<900 N	>900 N	>800 N		Inconel		
Ø Code	Ø mm	Ø Zoll / "	empfohlene U/min			tr/min				Preis
			Steel	Inox	ALU					
.00059	59	2 5/16	145	75	225				14.80	
.00060	60	2 3/8	140	70	220				15.10	
.00064	64	2 1/2	135	70	205				16.00	
.00065	65	2 9/16	135	70	200				16.30	
.00067	67	2 5/8	130	65	195				16.80	
.00068	68	2 11/16	130	65	190				17.00	
.00070	70	2 3/4	130	60	185				17.60	
.00073	73	2 7/8	125	60	180				18.30	
.00076	76	3"	120	55	170				19.10	
.00079	79	3 1/8	115	55	165				19.80	
.00083	83	3 1/4	110	50	155				20.80	
.00086	86	3 3/8	105	50	145				21.50	
.00089	89	3 1/2	100	45	145				22.30	
.00092	92	3 5/8	95	45	140				23.10	
.00095	95	3 3/4	90	45	135				23.80	
.00098	98	3 7/8	90	45	130				24.60	
.00102	102	4"	85	40	120				25.50	
.00105	105	4 1/8	85	40	120				26.30	
.00108	108	4 1/4	80	40	120				27.10	
.00111	111	4 3/8	80	40	110				27.80	
.00114	114	4 1/2	75	35	105				28.60	
.00121	121	4 3/4	70	35	105				30.30	
.00127	127	5"	65	30	90				31.90	
.00133	133	5 1/4	65	30	85				33.30	
.00140	140	5 1/2	60	30	85				35.10	
.00146	146	5 3/4	60	30	85				36.60	
.00152	152	6"	55	25	75				38.10	

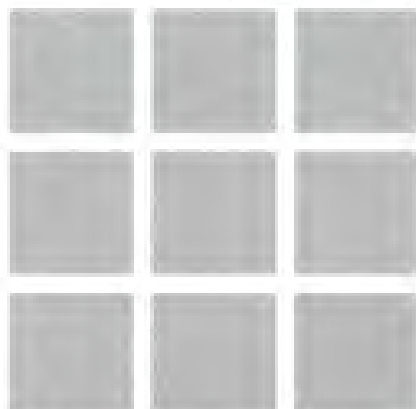
Zubehör zu Lochsägen
Accessoires pour scies trépan
Accessori per seghe a tazza
Accessories for hole saws



Werksnorm		

Material Code:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Werksnorm	
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox inconel		
Ø Code									Preis	
Halter für Lochsägen / Porte scies / Porta seghe (ohne Auswurf Feder)										
930.1000.09014						Ø 14 - 30 mm				7.50
						Ø 9,5 mm Schaft				
930.1000.SDS14						Ø 14 - 30 mm				7.90
						SDS-Schaft				
930.1000.11032						Ø 32 - 250 mm				11.50
						Ø 11,11 mm Schaft				
930.1000.SDS32						Ø 32 - 250 mm				13.80
						SDS-Schaft				
Zentrierbohrer / Forets-pilotes / Punta di centraggio										
930.1000.00635						HSS Ø 6,35 - 82 mm				2.50
930.1000.HM635						HM Ø 6,35 - 82 mm				3.50
931.1000.00635						HSS Ø 6,35 - 102 mm				2.80
931.1000.HM635						HM Ø 6,35 - 102 mm				4.60
930.1000.FEDER						Auswurf Feder				1.00
Verlängerung / Rallonge / Estensione										
930.1000.11300						Ø 11 x 300 mm				7.90

Werks- norm	



Sätze
Assortiments
Assortimenti
Sets




Material Code:	ALU 99.5%	ALU <10% Si	ALU Guss	Steel <500 N	Steel <750 N	Steel <900 N	Steel <1100 N	Steel 45 HRC	Werksnorm	
Material Code:	Steel 55 HRC	Steel 60 HRC	Steel 65 HRC	Inox <900 N	Inox >900 N	Ti >800 N	GG(G)	Hardox Inconel		
Ø Code									Preis	
930.0000.00001	22-teilig inkl. Kofferbox* Ø 16 / 19 / 20 / 22 / 24 / 25 / 27 / 29 / 30 / 32 mm Ø 35 / 38 / 40 / 44 / 51 / 57 / 60 / 65 / 68 / 76 mm + 1 Halter Ø 14-30 mm + 1 Halter Ø 32-250 mm								285.70	
930.0000.00002	8-teilig inkl. Kofferbox* Ø 22 / 29 / 35 / 44 / 51 / 65 mm + 1 Halter Ø 14-30 mm + 1 Halter Ø 32-250 mm								143.60	
930.0000.00003	13-teilig inkl. Kofferbox* Ø 19 / 22 / 25 / 29 / 35 / 38 / 44 / 51 / 57 / 65 / 76 mm + 1 Halter Ø 14-30 mm + 1 Halter Ø 32-250 mm								200.40	
930.0000.00004	15-teilig inkl. Kofferbox* Ø 19 / 22 / 25 / 29 / 35 / 38 / 44 / 51 / 57 / 65 / 76 mm Ø 89 / 111 mm + 1 Halter Ø 14-30 mm + 1 Halter Ø 32-250 mm								250.50	
	* mallette en alu compris									

Werksnorm	
	HM-Z

HM-Z	HM TCT	

Lochsäge mit HM-Zähnen
Scie-cloche avec denture en carbure
Seghe a tazza con taglienti di metallo duro
Hole saws with HM-teeth



























Material Code: 931.0000								Werksnorm	
								931.0000	
Ø Code	Ø mm	Ø Zoll / ¹⁶	empfohlene U/min			tr/min	Preis		
			Holz	PVC	Stein				
.00016	16	5/8	1000	800	500	7.10			
.00019	19	3/4	1000	800	500	7.10			
.00020	20	25/32	1000	800	500	7.10			
.00022	22	7/8	1000	800	500	7.10			
.00025	25	1"	1000	800	500	7.10			
.00027	27	1 1/16	1000	800	500	7.40			
.00028	28	1 1/8	1000	800	500	7.50			
.00030	30	1 3/16	1000	800	500	7.50			
.00032	32	1 1/4	1000	800	500	7.70			
.00035	35	1 3/8	1000	800	500	7.70			
.00038	38	1 1/2	800	600	400	7.70			
.00040	40	1 9/16	800	600	400	7.80			
.00041	41	1 5/8	800	600	400	7.80			
.00044	44	1 3/4	800	600	400	8.10			
.00048	48	1 7/8	800	600	400	8.90			
.00051	51	2"	800	600	400	10.10			
.00054	54	2 1/8	600	400	300	11.10			
.00057	57	2 1/4	600	400	300	11.30			
.00060	60	2 3/8	600	400	300	11.50			
.00064	64	2 1/2	600	400	300	11.70			
.00065	65	2 9/16	600	400	300	11.80			
.00067	67	2 5/8	600	400	300	12.50			
.00068	68	2 11/16	600	400	300	13.20			
.00070	70	2 3/4	600	400	300	13.70			
.00073	73	2 7/8	600	400	300	14.10			
.00076	76	3"	600	400	300	14.40			
.00079	79	3 1/8	600	400	300	16.90			

Werksnorm		
		HM-Z
HM-Z	HM TCT	

Zubehör zu HM-Lochsägen
Accessoires pour scies trépan
Accessori per seghe a tazza
Accessories for hole saws



Material Code:									Werksnorm	
Material Code:										
Ø Code									Preis	
	Halter für Lochsägen / Porte scies / Porta seghe (ohne Auswurffeder)									
931.1000.HSS14									HSS Ø 14 - 30 mm 9,5 mm Schaft	7.80
931.1000.HM014									HM Ø 14 - 30 mm 9,5 mm Schaft	8.80
931.1000.SDS14									HSS Ø 14 - 30 mm SDS-Schaft	8.20
931.10HM.SDS14									HM Ø 14 - 30 mm SDS-Schaft	9.20
931.1000.HSS32									HSS Ø 32 - 250 mm 11,11 mm Schaft	12.60
931.1000.HM032									HM 32 - 250 mm 11,11 mm Schaft	13.60
931.1000.SDS32									HSS Ø 32 - 250 mm SDS-Schaft	15.20
931.10HM.SDS32									HM Ø 32 - 250 mm SDS-Schaft	16.20

