



CU-DRILL

PUNTE A CUSPIDE
 SPADE DRILLS
 WECHSELKOPFBOHRER



Nuova linea punte a cuspidi CU-DRILL

New / Neue

3xD



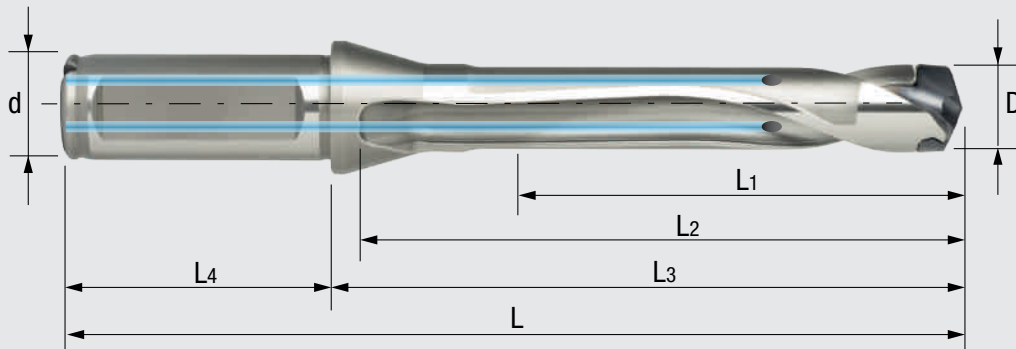
5xD

8xD



PUNTE A CUSPIDE SPADE DRILLS WECHSELKOPFBOHRER

CU-DRILL



sede	BFT code	D _{min}	D _{max}	xD	d	L	L3	L2	L1	L4	BFT code	D
8A	CUDRILL 3 080 12	7,94	8,49	3	12	86	41	35	26	45	i-CUDRILL 0800 KP60	8,00
	CUDRILL 5 080 12	7,94	8,49	5	12	104	59	53	43	45	i-CUDRILL 0810 KP60	8,10
	CUDRILL 8 080 12	7,94	8,49	8	12	129	84	79	68	45	i-CUDRILL 0830 KP60	8,30
8B	CUDRILL 3 085 12	8,50	8,99	3	12	88	43	37	27	45	i-CUDRILL 0860 KP60	8,60
	CUDRILL 5 085 12	8,50	8,99	5	12	107	62	56	45	45	i-CUDRILL 0870 KP60	8,70
	CUDRILL 8 085 12	8,50	8,99	8	12	134	89	83	72	45		
9A	CUDRILL 3 090 12	9,00	9,49	3	12	90	45	39	29	45	i-CUDRILL 0900 KP60	9,00
	CUDRILL 5 090 12	9,00	9,49	5	12	110	65	59	48	45	i-CUDRILL 0910 KP60	9,10
	CUDRILL 8 090 12	9,00	9,49	8	12	138	93	88	76	45	i-CUDRILL 0920 KP60	9,20
											i-CUDRILL 0930 KP60	9,30
9B	CUDRILL 3 095 12	9,50	9,99	3	12	92	47	41	30	45	i-CUDRILL 0950 KP60	9,50
	CUDRILL 5 095 12	9,50	9,99	5	12	114	69	63	50	45	i-CUDRILL 0960 KP60	9,60
	CUDRILL 8 095 12	9,50	9,99	8	12	144	99	93	80	45		
10A	CUDRILL 3 100 16	10,00	10,49	3	16	97	49	43	32	48	i-CUDRILL 1000 KP60	10,00
	CUDRILL 5 100 16	10,00	10,49	5	16	120	72	66	53	48	i-CUDRILL 1010 KP60	10,10
	CUDRILL 8 100 16	10,00	10,49	8	16	151	103	98	84	48	i-CUDRILL 1020 KP60	10,20
											i-CUDRILL 1030 KP60	10,30
											i-CUDRILL 1040 KP60	10,40
10B	CUDRILL 3 105 16	10,50	10,99	3	16	99	51	45	33	48	i-CUDRILL 1050 KP60	10,50
	CUDRILL 5 105 16	10,50	10,99	5	16	123	75	69	55	48	i-CUDRILL 1060 KP60	10,60
	CUDRILL 8 105 16	10,50	10,99	8	16	156	108	102	88	48	i-CUDRILL 1080 KP60	10,80
											i-CUDRILL 1090 KP60	10,90
11A	CUDRILL 3 110 16	11,00	11,49	3	16	101	53	47	35	48	i-CUDRILL 1100 KP60	11,00
	CUDRILL 5 110 16	11,00	11,49	5	16	126	78	72	58	48	i-CUDRILL 1110 KP60	11,10
	CUDRILL 8 110 16	11,00	11,49	8	16	160	112	107	92	48	i-CUDRILL 1120 KP60	11,20
											i-CUDRILL 1130 KP60	11,30
											i-CUDRILL 1140 KP60	11,40
11B	CUDRILL 3 115 16	11,50	11,99	3	16	103	55	49	36	48	i-CUDRILL 1150 KP60	11,50
	CUDRILL 5 115 16	11,50	11,99	5	16	129	81	75	60	48	i-CUDRILL 1170 KP60	11,70
	CUDRILL 8 115 16	11,50	11,99	8	16	165	117	111	96	48	i-CUDRILL 1180 KP60	11,80
12A	CUDRILL 3 120 16	12,00	12,49	3	16	106	58	52	38	48	i-CUDRILL 1200 KP60	12,00
	CUDRILL 5 120 16	12,00	12,49	5	16	132	84	78	63	48	i-CUDRILL 1210 KP60	12,10
	CUDRILL 8 120 16	12,00	12,49	8	16	169	121	116	100	48	i-CUDRILL 1220 KP60	12,20
											i-CUDRILL 1230 KP60	12,30

ESEMPIO DI ORDINE:

Order example:
Beispiel für einen Auftrag:

CUDRILL 8 105 16 i-CUDRILL 1080 KP60



3xD
5xD
8xD



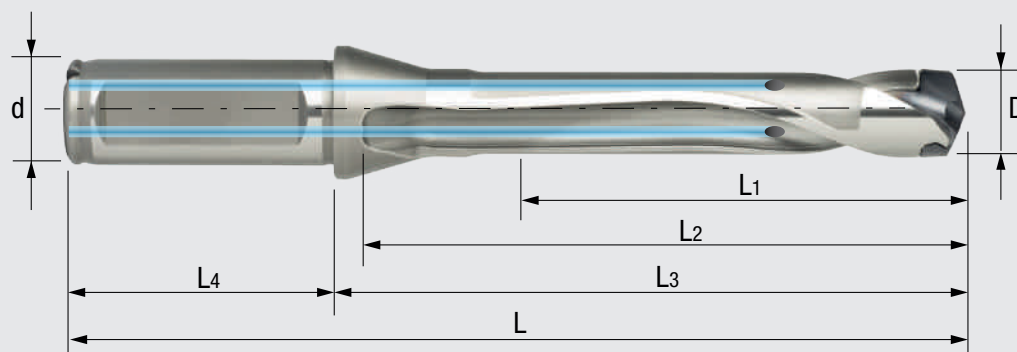
PUNTE A CUSPIDE
SPADE DRILLS
WECHSELKOPFBOHRER



CU-DRILL



COOLANT



sede	BFT code	D _{min}	D _{max}	xD	d	L	L3	L2	L1	L4	BFT code	D
12B	CUDRILL 3 125 16	12,50	12,99	3	16	108	60	54	39	48	i-CUDRILL 1250 KP60	12,50
	CUDRILL 5 125 16	12,50	12,99	5	16	135	87	81	65	48	i-CUDRILL 1260 KP60	12,60
	CUDRILL 8 125 16	12,50	12,99	8	16	174	126	120	104	48	i-CUDRILL 1270 KP60	12,70
											i-CUDRILL 1280 KP60	12,80
13A	CUDRILL 3 130 16	13,00	13,49	3	16	110	62	56	41	48	i-CUDRILL 1300 KP60	13,00
	CUDRILL 5 130 16	13,00	13,49	5	16	138	90	84	68	48	i-CUDRILL 1310 KP60	13,10
	CUDRILL 8 130 16	13,00	13,49	8	16	178	130	125	108	48	i-CUDRILL 1320 KP60	13,20
											i-CUDRILL 1330 KP60	13,30
13B	CUDRILL 3 135 16	13,50	13,99	3	16	112	64	58	42	48	i-CUDRILL 1350 KP60	13,50
	CUDRILL 5 135 16	13,50	13,99	5	16	142	94	88	70	48	i-CUDRILL 1360 KP60	13,60
	CUDRILL 8 135 16	13,50	13,99	8	16	184	136	130	112	48	i-CUDRILL 1370 KP60	13,70
											i-CUDRILL 1380 KP60	13,80
14A	CUDRILL 3 140 16	14,00	14,49	3	16	114	66	60	44	48	i-CUDRILL 1400 KP60	14,00
	CUDRILL 5 140 16	14,00	14,49	5	16	145	97	91	73	48	i-CUDRILL 1410 KP60	14,10
	CUDRILL 8 140 16	14,00	14,49	8	16	188	140	135	116	48	i-CUDRILL 1420 KP60	14,20
											i-CUDRILL 1430 KP60	14,30
										i-CUDRILL 1440 KP60	14,40	
14B	CUDRILL 3 145 16	14,50	14,99	3	16	116	68	62	45	48	i-CUDRILL 1450 KP60	14,50
	CUDRILL 5 145 16	14,50	14,99	5	16	148	100	94	75	48	i-CUDRILL 1460 KP60	14,60
	CUDRILL 8 145 16	14,50	14,99	8	16	193	145	139	120	48	i-CUDRILL 1470 KP60	14,70
											i-CUDRILL 1480 KP60	14,80
										i-CUDRILL 1490 KP60	14,90	
15	CUDRILL 3 150 20	15,00	15,99	3	20	122	72	66	48	50	i-CUDRILL 1500 KP60	15,00
	CUDRILL 5 150 20	15,00	15,99	5	20	156	106	100	80	50	i-CUDRILL 1510 KP60	15,10
	CUDRILL 8 150 20	15,00	15,99	8	20	204	154	148	128	50	i-CUDRILL 1520 KP60	15,20
											i-CUDRILL 1530 KP60	15,30
											i-CUDRILL 1540 KP60	15,40
											i-CUDRILL 1550 KP60	15,50
											i-CUDRILL 1560 KP60	15,60
											i-CUDRILL 1570 KP60	15,70
										i-CUDRILL 1580 KP60	15,80	

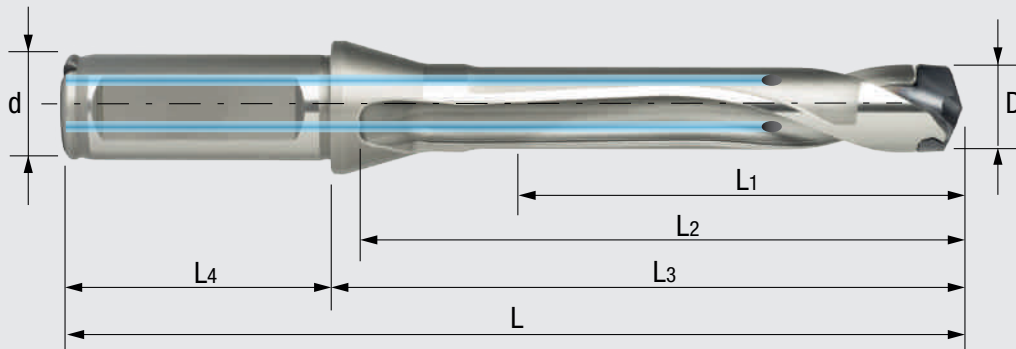
ESEMPIO DI ORDINE:

Order example:

Beispiel für einen Auftrag:

CUDRILL 8 145 16 i-CUDRILL 1470 KP60

CU-DRILL



sede	BFT code	D _{min}	D _{max}	xD	d	L	L3	L2	L1	L4	BFT code	D
16	CUDRILL 3 160 20	16,00	16,99	3	20	126	76	70	51	50	i-CUDRILL 1600 KP60	16,00
	CUDRILL 5 160 20	16,00	16,99	5	20	162	112	106	85	50	i-CUDRILL 1610 KP60	16,10
	CUDRILL 8 160 20	16,00	16,99	8	20	213	163	157	136	50	i-CUDRILL 1620 KP60	16,20
											i-CUDRILL 1630 KP60	16,30
											i-CUDRILL 1640 KP60	16,40
											i-CUDRILL 1650 KP60	16,50
											i-CUDRILL 1660 KP60	16,60
											i-CUDRILL 1670 KP60	16,70
											i-CUDRILL 1680 KP60	16,80
										i-CUDRILL 1690 KP60	16,90	
17	CUDRILL 3 170 20	17,00	17,99	3	20	131	81	75	54	50	i-CUDRILL 1700 KP60	17,00
	CUDRILL 5 170 20	17,00	17,99	5	20	169	119	113	90	50	i-CUDRILL 1710 KP60	17,10
	CUDRILL 8 170 20	17,00	17,99	8	20	223	173	167	144	50	i-CUDRILL 1720 KP60	17,20
											i-CUDRILL 1730 KP60	17,30
											i-CUDRILL 1740 KP60	17,40
											i-CUDRILL 1750 KP60	17,50
											i-CUDRILL 1760 KP60	17,60
											i-CUDRILL 1770 KP60	17,70
											i-CUDRILL 1780 KP60	17,80
										i-CUDRILL 1790 KP60	17,90	
18	CUDRILL 3 180 25	18,00	18,99	3	25	141	85	79	57	56	i-CUDRILL 1800 KP60	18,00
	CUDRILL 5 180 25	18,00	18,99	5	25	181	125	119	95	56	i-CUDRILL 1810 KP60	18,10
	CUDRILL 8 180 25	18,00	18,99	8	25	238	182	176	152	56	i-CUDRILL 1820 KP60	18,20
											i-CUDRILL 1830 KP60	18,30
											i-CUDRILL 1840 KP60	18,40
											i-CUDRILL 1850 KP60	18,50
											i-CUDRILL 1860 KP60	18,60
											i-CUDRILL 1870 KP60	18,70
											i-CUDRILL 1880 KP60	18,80
										i-CUDRILL 1890 KP60	18,90	

ESEMPIO DI ORDINE:

Order example:
Beispiel für einen Auftrag:

CUDRILL 8 170 20 i-CUDRILL 1720 KP60



3xD

5xD

8xD



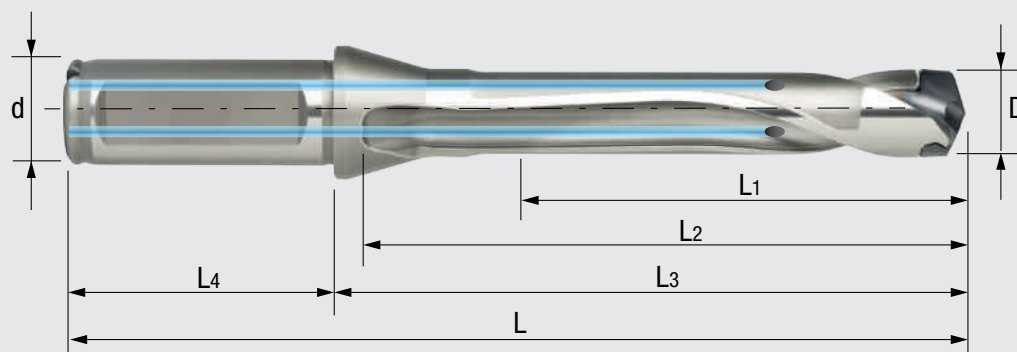
PUNTE A CUSPIDE
SPADE DRILLS
WECHSELKOPFBOHRER



CU-DRILL



COOLANT



sede	BFT code	D _{min}	D _{max}	xD	d	L	L3	L2	L1	L4	BFT code	D	
19	CUDRILL 3 190 25	19,00	19,99	3	25	144	89	83	60	56	i-CUDRILL 1900 KP60	19,00	
	CUDRILL 5 190 25	19,00	19,99	5	25	187	131	125	100	56	i-CUDRILL 1910 KP60	19,10	
	CUDRILL 8 190 25	19,00	19,99	8	25	247	191	185	160	56	i-CUDRILL 1920 KP60	19,20	
												i-CUDRILL 1925 KP60	19,25
												i-CUDRILL 1930 KP60	19,30
												i-CUDRILL 1950 KP60	19,50
												i-CUDRILL 1970 KP60	19,70
20												i-CUDRILL 1980 KP60	19,80
												i-CUDRILL 1990 KP60	19,90
	CUDRILL 3 200 25	20,00	20,99	3	25	149	93	87	63	56	i-CUDRILL 2000 KP60	20,00	
	CUDRILL 5 200 25	20,00	20,99	5	25	193	137	131	105	56	i-CUDRILL 2010 KP60	20,10	
	CUDRILL 8 200 25	20,00	20,99	8	25	256	200	194	168	56	i-CUDRILL 2020 KP60	20,20	
												i-CUDRILL 2030 KP60	20,30
												i-CUDRILL 2040 KP60	20,40
21												i-CUDRILL 2050 KP60	20,50
												i-CUDRILL 2060 KP60	20,60
												i-CUDRILL 2080 KP60	20,80
22												i-CUDRILL 2090 KP60	20,90
	CUDRILL 3 210 25	21,00	21,99	3	25	153	97	91	66	56	i-CUDRILL 2100 KP60	21,00	
	CUDRILL 5 210 25	21,00	21,99	5	25	200	144	138	110	56	i-CUDRILL 2150 KP60	21,50	
23													
	CUDRILL 8 210 25	21,00	21,99	8	25	266	210	204	176	56			
	CUDRILL 3 220 25	22,00	22,99	3	25	158	102	96	69	56	i-CUDRILL 2200 KP60	22,00	
24													
	CUDRILL 5 220 25	22,00	22,99	5	25	206	150	144	115	56	i-CUDRILL 2223 KP60	22,23	
	CUDRILL 8 220 25	22,00	22,99	8	25	275	219	213	184	56	i-CUDRILL 2250 KP60	22,50	
25													
	CUDRILL 3 230 25	23,00	23,99	3	25	162	106	100	72	56	i-CUDRILL 2300 KP60	23,00	
	CUDRILL 5 230 25	23,00	23,99	5	25	212	156	150	120	56	i-CUDRILL 2350 KP60	23,50	
26													
	CUDRILL 8 230 25	23,00	23,99	8	25	284	228	222	192	56			
	CUDRILL 3 240 25	24,00	24,99	3	25	166	110	104	75	56	i-CUDRILL 2400 KP60	24,00	
27													
	CUDRILL 5 240 25	24,00	24,99	5	25	218	162	156	125	56	i-CUDRILL 2450 KP60	24,50	
	CUDRILL 8 240 25	24,00	24,99	8	25	293	237	231	200	56			
28													
	CUDRILL 3 250 25	25,00	25,99	3	25	170	114	108	78	56	i-CUDRILL 2500 KP60	25,00	
	CUDRILL 5 250 25	25,00	25,99	5	25	225	169	163	130	56	i-CUDRILL 2540 KP60	25,40	
29													
	CUDRILL 8 250 25	25,00	25,99	8	25	303	247	241	208	56	i-CUDRILL 2550 KP60	25,50	
												i-CUDRILL 2599 KP60	25,99

ESEMPIO DI ORDINE:

Order example:

Beispiel für einen Auftrag:

CUDRILL 5 230 25 i-CUDRILL 2350 KP60



3xD
5xD
8xD



PARAMETRI DI TAGLIO
CUTTING PARAMETERS
SCHNITTPARAMETER



CU-DRILL

Mat.	HB ^(a) N/mm ^{2(b)} HrC ^(c)	Kc ⁽¹⁾	KP60		F (mm/giro) min-max						
			Vc (m/min)		Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25
			min	max							
P1	125/420	1350	105	180	0,11-0,28	0,12-0,35	0,16-0,37	0,21-0,46	0,23-0,46	0,28-0,50	0,30-0,52
P2	190/650	1500									
P3	250/850	1675	90	170	0,11-0,20	0,13-0,25	0,14-0,31	0,17-0,39	0,19-0,45	0,25-0,48	0,30-0,52
P4	220/750	1700									
P5	300/1000	1900	50	100	0,11-0,28	0,12-0,35	0,16-0,37	0,21-0,46	0,23-0,46	0,28-0,50	0,30-0,52
P6	200/600	1775	90	170	0,11-0,20	0,13-0,25	0,14-0,31	0,17-0,39	0,19-0,45	0,25-0,48	0,30-0,52
P7	274/930	1675	50	100	0,11-0,28	0,12-0,35	0,16-0,37	0,21-0,46	0,23-0,46	0,28-0,50	0,30-0,52
P8	300/1000	1725									
P9	350/1200	1800	50	80	0,10-0,20	0,10-0,23	0,10-0,25	0,14-0,29	0,16-0,32	0,18-0,36	0,22-0,42
P10	200/680	2450									
P11	325/1100	2500									
M12	200/680	1875	40	80	0,06-0,22	0,08-0,23	0,09-0,24	0,10-0,25	0,11-0,26	0,13-0,28	0,13-0,32
M13	240/820	1875	50	80	0,10-0,20	0,10-0,23	0,10-0,25	0,14-0,29	0,16-0,32	0,18-0,36	0,22-0,42
M14	180/600	2150	20	75	0,06-0,22	0,08-0,23	0,09-0,24	0,10-0,25	0,11-0,26	0,13-0,28	0,13-0,32
K15	180	1150	60	170	0,15-0,29	0,16-0,32	0,17-0,35	0,21-0,42	0,25-0,48	0,28-0,52	0,32-0,56
K16	260	1350									
K17	160	1225	60	90	0,15-0,29	0,16-0,30	0,17-0,33	0,21-0,41	0,25-0,48	0,28-0,52	0,32-0,56
K18	250	1350									
K19	130	1225	40	90	0,16-0,30	0,17-0,33	0,18-0,36	0,20-0,41	0,21-0,44	0,23-0,48	0,25-0,50
K20	230	1420									

Informazioni tecniche / Technical informations / Bohrtechnologische Hinweise



Si raccomanda l'uso della refrigerazione interna

*Internal coolant is recommended
Interne Kühlmittelzufuhr ist empfehlenswert*



In caso di refrigerazione esterna la profondità di foratura deve essere $\leq 3xD$

*In case of external coolant, cutting depth should be $\leq 3xD$
Bei externer Kühlmittelzufuhr muss die Schnitttiefe $\leq 3xD$ betragen*



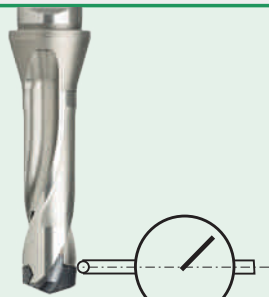
La foratura a secco è sconsigliata

*Dry cutting is not recommended
Trockenbearbeitung ist nicht empfehlenswert*

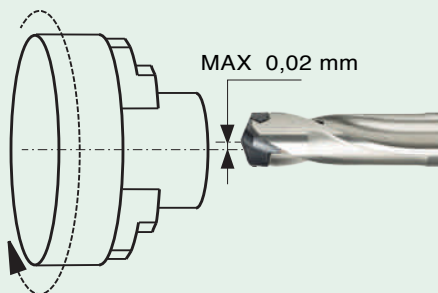


Note per un corretto utilizzo

*Recommendation for a proper use
Hinweise für einen korrekten Einsatz*



MAX 0,02 mm



MAX 0,02 mm

1			
2			
3			
4			
5			
6			
7			

