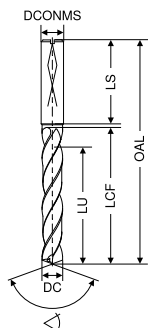
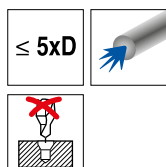
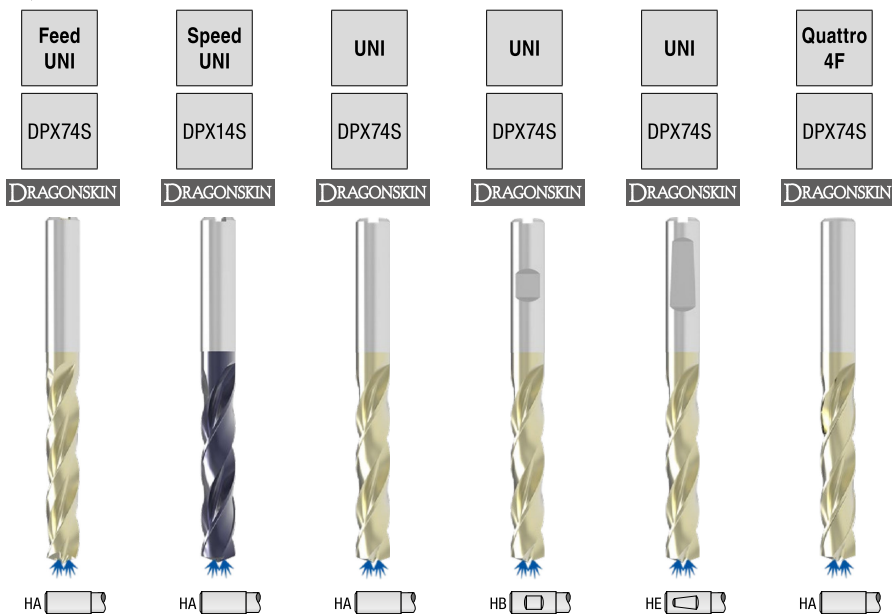


WTX – High Performance Drill, DIN 6537



Feed UNI = Three Cutting Edges



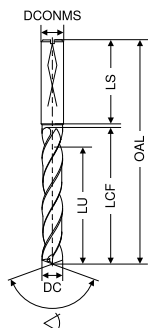
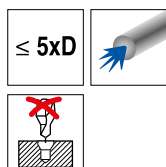
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	HA	Angle	Material	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
mm	mm	mm	mm	mm	mm		140°	Solid carbide	NEW T4	NEW T4	T7	T7	T7	NEW T4
									10 789 ...	10 771 ...	11 786 ...	11 787 ...	11 785 ...	10 735 ...
3,00	6	66	28	23	36				84,31 03000	70,31 03000	70,31 03000	70,31 03000	70,31 03000	83,21 03000
3,10	6	66	28	23	36				84,31 03100	70,31 03100	70,31 03100	70,31 03100	70,31 03100	83,21 03100
3,15	6	66	28	23	36					70,31 03150	70,31 03150	70,31 03150	70,31 03150	
3,20	6	66	28	23	36				84,31 03200	70,31 03200	70,31 03200	70,31 03200	70,31 03200	83,21 03200
3,22	6	66	28	23	36					70,31 03220	70,31 03220	70,31 03220	70,31 03220	
3,25	6	66	28	23	36					70,31 03250	70,31 03250	70,31 03250	70,31 03250	
3,30	6	66	28	23	36				84,31 03300	70,31 03300	70,31 03300	70,31 03300	70,31 03300	83,21 03300
3,40	6	66	28	23	36				84,31 03400	70,31 03400	70,31 03400	70,31 03400	70,31 03400	83,21 03400
3,50	6	66	28	23	36				84,31 03500	70,31 03500	70,31 03500	70,31 03500	70,31 03500	83,21 03500
3,60	6	66	28	23	36				84,31 03600	70,31 03600	70,31 03600	70,31 03600	70,31 03600	83,21 03600
3,70	6	66	28	23	36				84,31 03700	70,31 03700	70,31 03700	70,31 03700	70,31 03700	83,21 03700
3,80	6	74	36	29	36				84,31 03800	70,31 03800	70,31 03800	70,31 03800	70,31 03800	83,21 03800
3,85	6	74	36	29	36					70,31 03850	70,31 03850	70,31 03850	70,31 03850	
3,90	6	74	36	29	36				84,31 03900	70,31 03900	70,31 03900	70,31 03900	70,31 03900	83,21 03900
4,00	6	74	36	29	36	88,28		04000	84,31 04000	70,31 04000	70,31 04000	70,31 04000	70,31 04000	83,21 04000
4,10	6	74	36	29	36	88,28		04100	84,31 04100	70,31 04100	70,31 04100	70,31 04100	70,31 04100	83,21 04100
4,20	6	74	36	29	36	88,28		04200	84,31 04200	70,31 04200	70,31 04200	70,31 04200	70,31 04200	83,21 04200
4,25	6	74	36	29	36					70,31 04250	70,31 04250	70,31 04250	70,31 04250	
4,30	6	74	36	29	36	88,28		04300	84,31 04300	70,31 04300	70,31 04300	70,31 04300	70,31 04300	83,21 04300
4,35	6	74	36	29	36					70,31 04350	70,31 04350	70,31 04350	70,31 04350	
4,40	6	74	36	29	36	88,28		04400	84,31 04400	70,31 04400	70,31 04400	70,31 04400	70,31 04400	83,21 04400
4,45	6	74	36	29	36					70,31 04450	70,31 04450	70,31 04450	70,31 04450	
4,50	6	74	36	29	36	88,28		04500	84,31 04500	70,31 04500	70,31 04500	70,31 04500	70,31 04500	83,21 04500
4,60	6	74	36	29	36	88,28		04600	84,31 04600	70,31 04600	70,31 04600	70,31 04600	70,31 04600	83,21 04600
4,65	6	74	36	29	36				84,31 04650	70,31 04650	70,31 04650	70,31 04650	70,31 04650	
4,70	6	74	36	29	36	88,28		04700	84,31 04700	70,31 04700	70,31 04700	70,31 04700	70,31 04700	83,21 04700
4,80	6	82	44	35	36	88,28		04800	84,31 04800	70,31 04800	70,31 04800	70,31 04800	70,31 04800	83,21 04800
4,90	6	82	44	35	36	88,28		04900	84,31 04900	70,31 04900	70,31 04900	70,31 04900	70,31 04900	83,21 04900
4,95	6	82	44	35	36					70,31 04950	70,31 04950	70,31 04950	70,31 04950	
5,00	6	82	44	35	36	88,28		05000	84,31 05000	70,31 05000	70,31 05000	70,31 05000	70,31 05000	83,21 05000
5,05	6	82	44	35	36					70,31 05050	70,31 05050	70,31 05050	70,31 05050	
5,10	6	82	44	35	36	88,28		05100	84,31 05100	70,31 05100	70,31 05100	70,31 05100	70,31 05100	83,21 05100
5,20	6	82	44	35	36	88,28		05200	84,31 05200	70,31 05200	70,31 05200	70,31 05200	70,31 05200	83,21 05200
5,30	6	82	44	35	36	88,28		05300	84,31 05300	70,31 05300	70,31 05300	70,31 05300	70,31 05300	83,21 05300
5,40	6	82	44	35	36	88,28		05400	84,31 05400	70,31 05400	70,31 05400	70,31 05400	70,31 05400	83,21 05400
5,50	6	82	44	35	36	88,28		05500	84,31 05500	70,31 05500	70,31 05500	70,31 05500	70,31 05500	83,21 05500

Steel	●	●	●	●	●	●
Stainless steel	●	●	○	○	○	○
Cast iron	●	●	●	●	●	●
Non ferrous metals	○	○	○	○	○	○
Heat resistant alloys						
Hardened materials		○	○	○	○	○

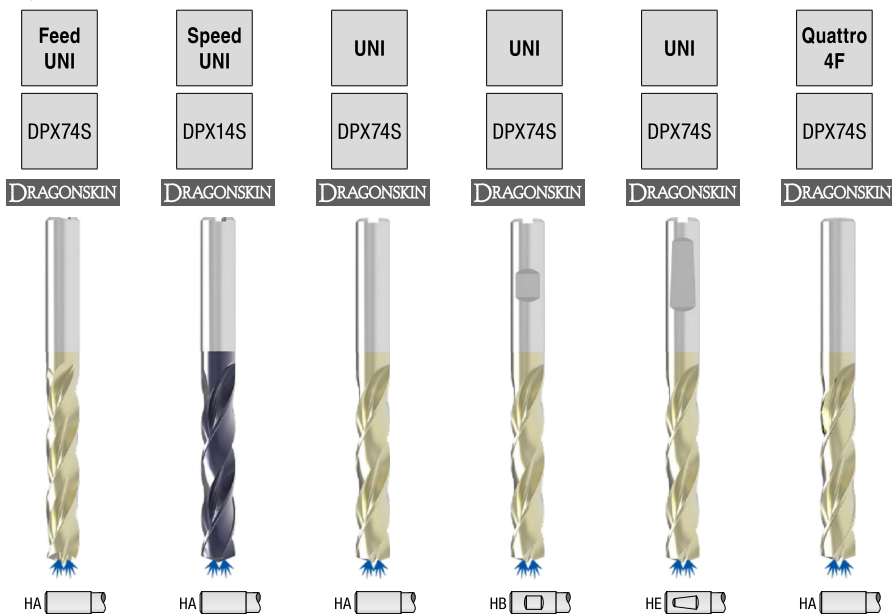
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i Ø DC_{m7} for Type UNI, Feed UNI and Quattro 4F/ Ø DC_{m7} for Type Speed UNI

WTX – High Performance Drill, DIN 6537



Feed UNI = Three Cutting Edges



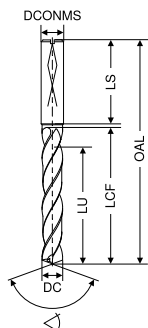
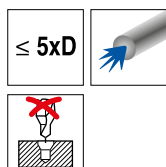
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. NEW T4 10 789 ... EUR	Article no. NEW T4 10 771 ... EUR	Article no. T7 11 786 ... EUR	Article no. T7 11 787 ... EUR	Article no. T7 11 785 ... EUR	Article no. NEW T4 10 735 ... EUR
5,55	6	82	44	35	36	88,28 05550	84,31 05550	70,31 05550	70,31 05550	70,31 05550	
5,60	6	82	44	35	36	88,28 05600	84,31 05600	70,31 05600	70,31 05600	70,31 05600	83,21 05600
5,70	6	82	44	35	36	88,28 05700	84,31 05700	70,31 05700	70,31 05700	70,31 05700	83,21 05700
5,75	6	82	44	35	36			70,31 05750	70,31 05750	70,31 05750	
5,80	6	82	44	35	36	88,28 05800	84,31 05800	70,31 05800	70,31 05800	70,31 05800	83,21 05800
5,90	6	82	44	35	36	88,28 05900	84,31 05900	70,31 05900	70,31 05900	70,31 05900	83,21 05900
5,95	6	82	44	35	36			70,31 05950	70,31 05950	70,31 05950	
6,00	6	82	44	35	36	88,28 06000	84,31 06000	70,31 06000	70,31 06000	70,31 06000	83,21 06000
6,10	8	91	53	43	36	99,63 06100	95,12 06100	79,35 06100	79,35 06100	79,35 06100	93,90 06100
6,20	8	91	53	43	36	99,63 06200	95,12 06200	79,35 06200	79,35 06200	79,35 06200	93,90 06200
6,30	8	91	53	43	36	99,63 06300	95,12 06300	79,35 06300	79,35 06300	79,35 06300	93,90 06300
6,40	8	91	53	43	36	99,63 06400	95,12 06400	79,35 06400	79,35 06400	79,35 06400	93,90 06400
6,50	8	91	53	43	36	99,63 06500	95,12 06500	79,35 06500	79,35 06500	79,35 06500	93,90 06500
6,60	8	91	53	43	36	99,63 06600	95,12 06600	79,35 06600	79,35 06600	79,35 06600	93,90 06600
6,70	8	91	53	43	36	99,63 06700	95,12 06700	79,35 06700	79,35 06700	79,35 06700	93,90 06700
6,80	8	91	53	43	36	99,63 06800	95,12 06800	79,35 06800	79,35 06800	79,35 06800	93,90 06800
6,90	8	91	53	43	36	99,63 06900	95,12 06900	79,35 06900	79,35 06900	79,35 06900	93,90 06900
7,00	8	91	53	43	36	99,63 07000	95,12 07000	79,35 07000	79,35 07000	79,35 07000	93,90 07000
7,10	8	91	53	43	36	99,63 07100	95,12 07100	79,35 07100	79,35 07100	79,35 07100	93,90 07100
7,20	8	91	53	43	36	99,63 07200	95,12 07200	79,35 07200	79,35 07200	79,35 07200	93,90 07200
7,30	8	91	53	43	36	99,63 07300	95,12 07300	79,35 07300	79,35 07300	79,35 07300	93,90 07300
7,40	8	91	53	43	36	99,63 07400	95,12 07400	79,35 07400	79,35 07400	79,35 07400	93,90 07400
7,45	8	91	53	43	36			79,35 07450	79,35 07450	79,35 07450	
7,50	8	91	53	43	36	99,63 07500	95,12 07500	79,35 07500	79,35 07500	79,35 07500	93,90 07500
7,60	8	91	53	43	36	99,63 07600	95,12 07600	79,35 07600	79,35 07600	79,35 07600	93,90 07600
7,70	8	91	53	43	36	99,63 07700	95,12 07700	79,35 07700	79,35 07700	79,35 07700	93,90 07700
7,80	8	91	53	43	36	99,63 07800	95,12 07800	79,35 07800	79,35 07800	79,35 07800	93,90 07800
7,90	8	91	53	43	36	99,63 07900	95,12 07900	79,35 07900	79,35 07900	79,35 07900	93,90 07900
8,00	8	91	53	43	36	99,63 08000	95,12 08000	79,35 08000	79,35 08000	79,35 08000	93,90 08000
8,10	10	103	61	49	40	132,30 08100	114,60 08100	91,48 08100	91,48 08100	91,48 08100	134,50 08100
8,20	10	103	61	49	40	132,30 08200	114,60 08200	91,48 08200	91,48 08200	91,48 08200	134,50 08200
8,30	10	103	61	49	40	132,30 08300	114,60 08300	91,48 08300	91,48 08300	91,48 08300	134,50 08300
8,40	10	103	61	49	40	132,30 08400	114,60 08400	91,48 08400	91,48 08400	91,48 08400	134,50 08400
8,50	10	103	61	49	40	132,30 08500	114,60 08500	91,48 08500	91,48 08500	91,48 08500	134,50 08500
8,60	10	103	61	49	40	132,30 08600	114,60 08600	91,48 08600	91,48 08600	91,48 08600	134,50 08600
8,70	10	103	61	49	40	132,30 08700	114,60 08700	91,48 08700	91,48 08700	91,48 08700	134,50 08700

Steel	●	●	●	●	●
Stainless steel	●	●	○	○	○
Cast iron	●	●	●	●	●
Non ferrous metals	○	○	○	○	○
Heat resistant alloys					
Hardened materials		○	○	○	○

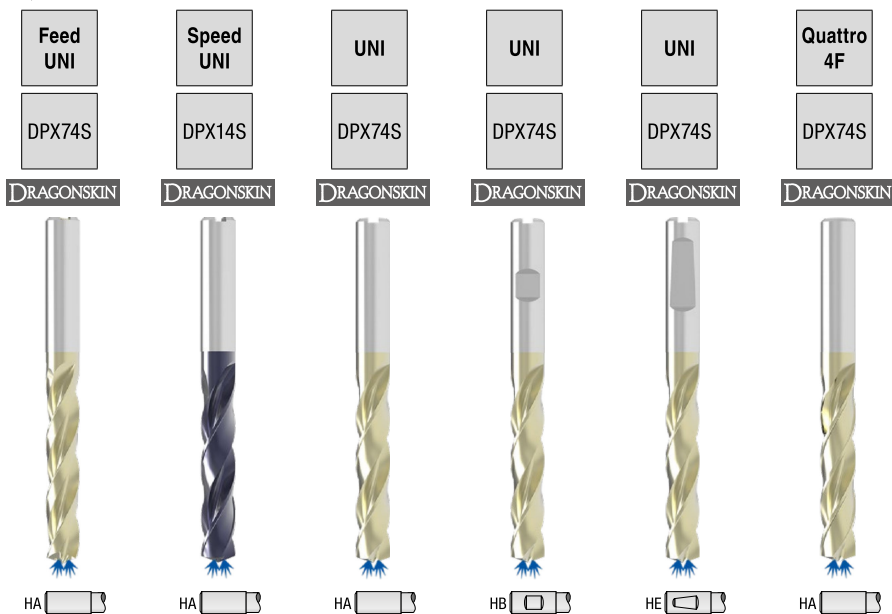
→ v_c Page 96-104

i Ø DC_{m7} for Type UNI, Feed UNI and Quattro 4F/ Ø DC_{m7} for Type Speed UNI

WTX – High Performance Drill, DIN 6537



Feed UNI = Three Cutting Edges



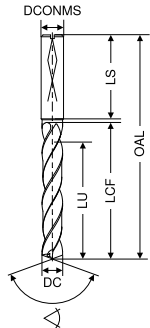
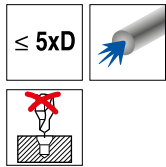
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
mm	mm	mm	mm	mm	mm	10 789 ...	10 771 ...	11 786 ...	11 787 ...	11 785 ...	10 735 ...
8,80	10	103	61	49	40	132,30 08800	114,60 08800	91,48 08800	91,48 08800	91,48 08800	134,50 08800
8,90	10	103	61	49	40	132,30 08900	114,60 08900	91,48 08900	91,48 08900	91,48 08900	134,50 08900
9,00	10	103	61	49	40	132,30 09000	114,60 09000	91,48 09000	91,48 09000	91,48 09000	134,50 09000
9,10	10	103	61	49	40	132,30 09100	114,60 09100	91,48 09100	91,48 09100	91,48 09100	134,50 09100
9,20	10	103	61	49	40	132,30 09200	114,60 09200	91,48 09200	91,48 09200	91,48 09200	134,50 09200
9,30	10	103	61	49	40	132,30 09300	114,60 09300	91,48 09300	91,48 09300	91,48 09300	134,50 09300
9,35	10	103	61	49	40			91,48 09350	91,48 09350	91,48 09350	
9,40	10	103	61	49	40	132,30 09400	114,60 09400	91,48 09400	91,48 09400	91,48 09400	134,50 09400
9,45	10	103	61	49	40			91,48 09450	91,48 09450	91,48 09450	
9,50	10	103	61	49	40	132,30 09500	114,60 09500	91,48 09500	91,48 09500	91,48 09500	134,50 09500
9,60	10	103	61	49	40	132,30 09600	114,60 09600	91,48 09600	91,48 09600	91,48 09600	134,50 09600
9,70	10	103	61	49	40	132,30 09700	114,60 09700	91,48 09700	91,48 09700	91,48 09700	134,50 09700
9,80	10	103	61	49	40	132,30 09800	114,60 09800	91,48 09800	91,48 09800	91,48 09800	134,50 09800
9,90	10	103	61	49	40	132,30 09900	114,60 09900	91,48 09900	91,48 09900	91,48 09900	134,50 09900
10,00	10	103	61	49	40	132,30 10000	114,60 10000	91,48 10000	91,48 10000	91,48 10000	134,50 10000
10,10	12	118	71	56	45	187,30 10100	163,10 10100	130,00 10100	130,00 10100	130,00 10100	190,70 10100
10,20	12	118	71	56	45	187,30 10200	163,10 10200	130,00 10200	130,00 10200	130,00 10200	190,70 10200
10,30	12	118	71	56	45	187,30 10300	163,10 10300	130,00 10300	130,00 10300	130,00 10300	190,70 10300
10,40	12	118	71	56	45	187,30 10400	163,10 10400	130,00 10400	130,00 10400	130,00 10400	190,70 10400
10,50	12	118	71	56	45	187,30 10500	163,10 10500	130,00 10500	130,00 10500	130,00 10500	190,70 10500
10,55	12	118	71	56	45			130,00 10550	130,00 10550	130,00 10550	
10,60	12	118	71	56	45	187,30 10600	163,10 10600	130,00 10600	130,00 10600	130,00 10600	190,70 10600
10,70	12	118	71	56	45	187,30 10700	163,10 10700	130,00 10700	130,00 10700	130,00 10700	190,70 10700
10,75	12	118	71	56	45			130,00 10750	130,00 10750	130,00 10750	
10,80	12	118	71	56	45	187,30 10800	163,10 10800	130,00 10800	130,00 10800	130,00 10800	190,70 10800
10,90	12	118	71	56	45	187,30 10900	163,10 10900	130,00 10900	130,00 10900	130,00 10900	190,70 10900
11,00	12	118	71	56	45	187,30 11000	163,10 11000	130,00 11000	130,00 11000	130,00 11000	190,70 11000
11,10	12	118	71	56	45	187,30 11100	163,10 11100	130,00 11100	130,00 11100	130,00 11100	190,70 11100
11,20	12	118	71	56	45	187,30 11200	163,10 11200	130,00 11200	130,00 11200	130,00 11200	190,70 11200
11,25	12	118	71	56	45			130,00 11250	130,00 11250	130,00 11250	
11,30	12	118	71	56	45	187,30 11300	163,10 11300	130,00 11300	130,00 11300	130,00 11300	190,70 11300
11,35	12	118	71	56	45			130,00 11350	130,00 11350	130,00 11350	
11,40	12	118	71	56	45	187,30 11400	163,10 11400	130,00 11400	130,00 11400	130,00 11400	190,70 11400
11,45	12	118	71	56	45			130,00 11450	130,00 11450	130,00 11450	
11,50	12	118	71	56	45	187,30 11500	163,10 11500	130,00 11500	130,00 11500	130,00 11500	190,70 11500
11,60	12	118	71	56	45	187,30 11600	163,10 11600	130,00 11600	130,00 11600	130,00 11600	190,70 11600

Steel	●	●	●	●	●	●
Stainless steel	●	●	○	○	○	○
Cast iron	●	●	●	●	●	●
Non ferrous metals	○	○	○	○	○	○
Heat resistant alloys						
Hardened materials		○	○	○	○	○

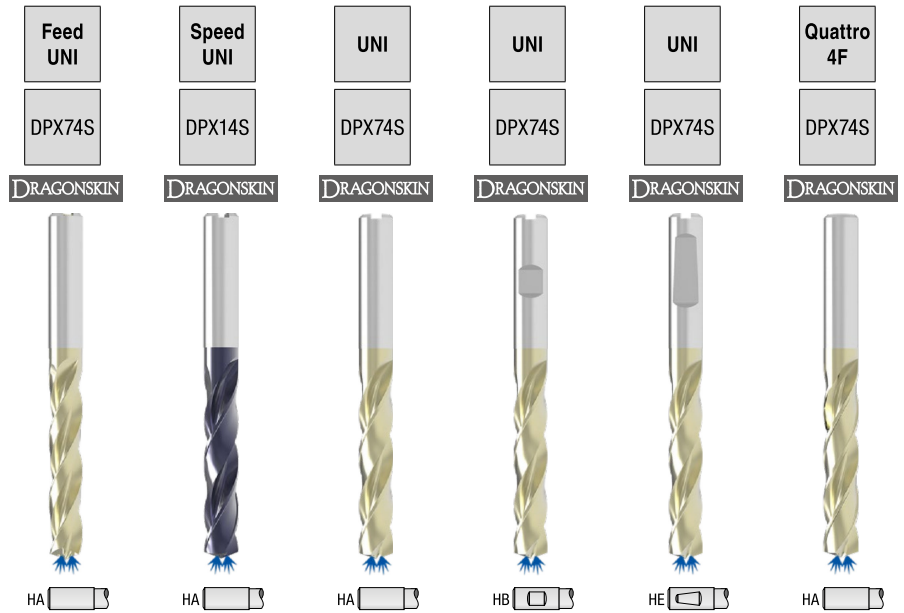
→ v_c Page 96-104

i Ø DC_{m7} for Type UNI, Feed UNI and Quattro 4F/ Ø DC_{h7} for Type Speed UNI

WTX – High Performance Drill, DIN 6537



Feed UNI = Three Cutting Edges



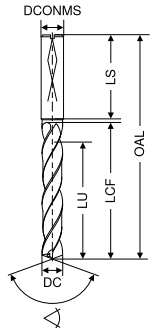
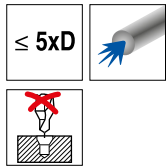
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Feed UNI	Speed UNI	UNI	UNI	UNI	Quattro 4F
mm	mm	mm	mm	mm	mm	DPX74S	DPX14S	DPX74S	DPX74S	DPX74S	DPX74S
11,70	12	118	71	56	45	NEW T4	NEW T4	T7	T7	T7	NEW T4
11,80	12	118	71	56	45	Article no. 10 789 ...	Article no. 10 771 ...	Article no. 11 786 ...	Article no. 11 787 ...	Article no. 11 785 ...	Article no. 10 735 ...
11,90	12	118	71	56	45	EUR 187,30	EUR 163,10	EUR 130,00	EUR 130,00	EUR 130,00	EUR 190,70
12,00	12	118	71	56	45	11700	11700	11700	11700	11700	11700
12,15	14	124	77	60	45						
12,20	14	124	77	60	45		219,30				
12,25	14	124	77	60	45			176,30	176,30	176,30	
12,50	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
12,55	14	124	77	60	45	12500	12500	12550	12550	12550	
12,70	14	124	77	60	45			176,30	176,30	176,30	
12,80	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
12,90	14	124	77	60	45			176,30	176,30	176,30	
13,00	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
13,10	14	124	77	60	45	13000	13000	13100	13100	13100	
13,30	14	124	77	60	45			176,30	176,30	176,30	
13,35	14	124	77	60	45			176,30	176,30	176,30	
13,50	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
13,70	14	124	77	60	45			176,30	176,30	176,30	
13,80	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
14,00	14	124	77	60	45	252,40	219,30	176,30	176,30	176,30	259,10
14,20	16	133	83	63	48		266,80	213,80	213,80	213,80	
14,50	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
14,80	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
15,00	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
15,10	16	133	83	63	48			213,80	213,80	213,80	
15,20	16	133	83	63	48		266,80				
15,25	16	133	83	63	48			213,80	213,80	213,80	
15,30	16	133	83	63	48			213,80	213,80	213,80	
15,35	16	133	83	63	48			213,80	213,80	213,80	
15,50	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
15,60	16	133	83	63	48			213,80	213,80	213,80	
15,80	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
16,00	16	133	83	63	48	304,20	266,80	213,80	213,80	213,80	322,90
16,05	18	143	93	71	48			287,70	287,70	287,70	
16,50	18	143	93	71	48	399,10	359,30	287,70	287,70	287,70	425,40
16,80	18	143	93	71	48	399,10	359,30	287,70	287,70	287,70	425,40

Steel	●	●	●	●	●	●
Stainless steel	●	●	○	○	○	○
Cast iron	●	●	●	●	●	●
Non ferrous metals	○	○	○	○	○	○
Heat resistant alloys						
Hardened materials		○	○	○	○	○

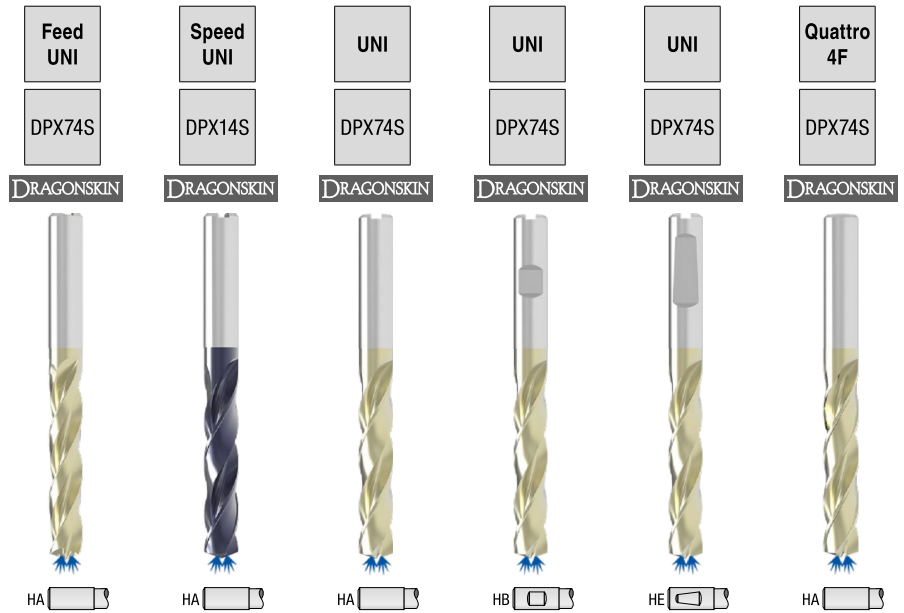
→ v_c Page 96-104

i Ø DC_{m7} for Type UNI, Feed UNI and Quattro 4F/ Ø DC_{h7} for Type Speed UNI

WTX – High Performance Drill, DIN 6537



Feed UNI = Three Cutting Edges



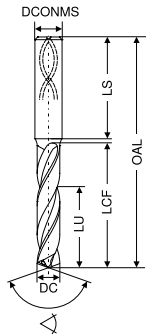
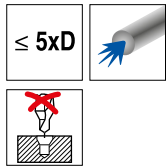
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 789 ...	Article no. 10 771 ...	Article no. 11 786 ...	Article no. 11 787 ...	Article no. 11 785 ...	Article no. 10 735 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
16,90	18	143	93	71	48			287,70	16900	287,70	16900
17,00	18	143	93	71	48	399,10	17000	287,70	17000	287,70	17000
17,50	18	143	93	71	48	399,10	17500	287,70	17500	287,70	17500
17,60	18	143	93	71	48			287,70	17600	287,70	17600
17,80	18	143	93	71	48	399,10	17800	287,70	17800	287,70	17800
18,00	18	143	93	71	48	399,10	18000	287,70	18000	287,70	18000
18,50	20	153	101	77	50	469,60	18500	338,30	18500	338,30	18500
18,80	20	153	101	77	50	469,60	18800	338,30	18800	338,30	18800
18,90	20	153	101	77	50			338,30	18900	338,30	18900
19,00	20	153	101	77	50	469,60	19000	338,30	19000	338,30	19000
19,35	20	153	101	77	50			338,30	19350	338,30	19350
19,50	20	153	101	77	50	469,60	19500	338,30	19500	338,30	19500
19,60	20	153	101	77	50			338,30	19600	338,30	19600
19,80	20	153	101	77	50	469,60	19800	338,30	19800	338,30	19800
20,00	20	153	101	77	50	469,60	20000	338,30	20000	338,30	20000
20,50	25	200	135	110	56			698,80	20500	698,80	20500
21,00	25	200	135	110	56			698,80	21000	698,80	21000
21,50	25	200	135	110	56			698,80	21500	698,80	21500
22,00	25	200	135	110	56			698,80	22000	698,80	22000
22,50	25	200	140	120	56			698,80	22500	698,80	22500
23,00	25	200	140	120	56			698,80	23000	698,80	23000
23,50	25	200	140	120	56			698,80	23500	698,80	23500
24,00	25	200	140	120	56			698,80	24000	698,80	24000
24,50	25	200	140	120	56			698,80	24500	698,80	24500
25,00	25	200	140	120	56			698,80	25000	698,80	25000

Steel	●	●	●	●	●	●
Stainless steel	●	●	○	○	○	○
Cast iron	●	●	●	●	●	●
Non ferrous metals	○	○	○	○	○	○
Heat resistant alloys						
Hardened materials		○	○	○	○	○

→ v_c Page 96-104

i Ø DC_{m7} for Type UNI, Feed UNI and Quattro 4F/ Ø DC_{m7} for Type Speed UNI

WTX – High-performance drill, DIN 6537



Type GG = Straight Fluted

Speed
VA

Ti800

VA

Ti700

VA

Ti700

GG

Ti700

AL

DLC

Ti

DPA54

DRAGONSKIN



HA

135°
Solid carbide
T4



HA

140°
Solid carbide
T4



HE

140°
Solid carbide
T4



HA

130°
Solid carbide
T4



HA

135°
Solid carbide
T4



HA

140°
Solid carbide
T4

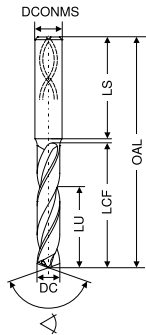
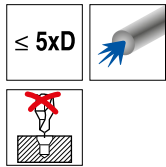
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ... EUR	Article no. 10 745 ... EUR	Article no. 10 746 ... EUR	Article no. 10 749 ... EUR	Article no. 10 791 ... EUR	Article no. 10 787 ... EUR
2,50	4	57	21	17	28					74,94 02500	
2,60	4	57	21	17	28					74,94 02600	
2,70	4	57	21	17	28					74,94 02700	
2,80	4	57	21	17	28					74,94 02800	
2,90	4	57	21	17	28					74,94 02900	
3,00	6	66	28	23	36	88,62 030	70,54 030	70,54 030	84,65 030	74,94 03000	70,87 030
3,10	6	66	28	23	36	88,62 031	70,54 031	70,54 031	84,65 031	74,94 03100	70,87 031
3,15	6	66	28	23	36		70,54 831				
3,20	6	66	28	23	36	88,62 032	70,54 032	70,54 032	84,65 032	74,94 03200	70,87 032
3,22	6	66	28	23	36		70,54 832				
3,25	6	66	28	23	36		70,54 890				
3,30	6	66	28	23	36	88,62 033	70,54 033	70,54 033	84,65 033	74,94 03300	70,87 033
3,40	6	66	28	23	36	88,62 034	70,54 034	70,54 034	84,65 034	74,94 03400	70,87 034
3,50	6	66	28	23	36	88,62 035	70,54 035	70,54 035	84,65 035	74,94 03500	70,87 035
3,60	6	66	28	23	36	88,62 036	70,54 036	70,54 036	84,65 036	74,94 03600	70,87 036
3,70	6	66	28	23	36	88,62 037	70,54 037	70,54 037	84,65 037	74,94 03700	70,87 037
3,80	6	74	36	29	36	88,62 038	70,54 038	70,54 038	84,65 038	73,94 03800	70,87 038
3,85	6	74	36	29	36		70,54 838				
3,90	6	74	36	29	36	88,62 039	70,54 039	70,54 039	84,65 039	73,94 03900	70,87 039
3,97	6	74	36	29	36						70,87 900
4,00	6	74	36	29	36	88,62 040	70,54 040	70,54 040	84,65 040	73,94 04000	70,87 040
4,10	6	74	36	29	36	88,62 041	70,54 041	70,54 041	84,65 041	73,94 04100	70,87 041
4,20	6	74	36	29	36	88,62 042	70,54 042	70,54 042	84,65 042	73,94 04200	70,87 042
4,23	6	74	36	29	36						70,87 901
4,30	6	74	36	29	36	88,62 043	70,54 043	70,54 043	84,65 043	73,94 04300	70,87 043
4,35	6	74	36	29	36		70,54 843				
4,40	6	74	36	29	36	88,62 044	70,54 044	70,54 044	84,65 044	73,94 04400	70,87 044
4,45	6	74	36	29	36		70,54 844				
4,50	6	74	36	29	36	88,62 045	70,54 045	70,54 045	84,65 045	73,94 04500	70,87 045
4,60	6	74	36	29	36	88,62 046	70,54 046	70,54 046	84,65 046	73,94 04600	70,87 046
4,65	6	74	36	29	36	88,62 900	70,54 900				
4,70	6	74	36	29	36	88,62 047	70,54 047	70,54 047	84,65 047	73,94 04700	70,87 047
4,80	6	82	44	35	36	88,62 048	70,54 048	70,54 048	84,65 048	72,63 04800	70,87 048
4,90	6	82	44	35	36	88,62 049	70,54 049	70,54 049	84,65 049	72,63 04900	70,87 049
5,00	6	82	44	35	36	88,62 050	70,54 050	70,54 050	84,65 050	72,63 05000	70,87 050
5,10	6	82	44	35	36	88,62 051	70,54 051	70,54 051	84,65 051	72,63 05100	70,87 051
5,20	6	82	44	35	36	88,62 052	70,54 052	70,54 052	84,65 052	72,63 05200	70,87 052
5,30	6	82	44	35	36	88,62 053	70,54 053	70,54 053	84,65 053	72,63 05300	70,87 053
5,40	6	82	44	35	36	88,62 054	70,54 054	70,54 054	84,65 054	72,63 05400	70,87 054
5,50	6	82	44	35	36	88,62 055	70,54 055	70,54 055	84,65 055	72,63 05500	70,87 055
5,55	6	82	44	35	36	88,62 902					

Steel	○	○	○		
Stainless steel	●	●	●		●
Cast iron	○	○	○	●	○
Non ferrous metals	○	●	●	●	●
Heat resistant alloys	○	○	○		●

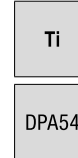
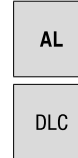
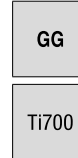
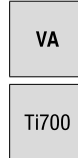
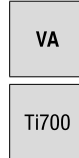
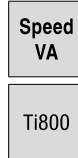
→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Type GG = Straight Fluted



DRAGONSKIN



HA $\angle 135^\circ$
Solid carbide
T4

HA $\angle 140^\circ$
Solid carbide
T4

HE $\angle 140^\circ$
Solid carbide
T4

HA $\angle 130^\circ$
Solid carbide
T4

HA $\angle 135^\circ$
Solid carbide
T4

HA $\angle 140^\circ$
Solid carbide
T4

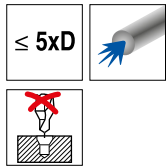
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ...	Article no. 10 745 ...	Article no. 10 746 ...	Article no. 10 749 ...	Article no. 10 791 ...	Article no. 10 787 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
5,56	6	82	44	35	36						70,87
5,60	6	82	44	35	36	88,62	70,54	70,54	84,65	72,63	70,87
5,70	6	82	44	35	36	88,62	70,54	70,54	84,65	72,63	70,87
5,75	6	82	44	35	36		70,54				
5,80	6	82	44	35	36	88,62	70,54	70,54	84,65	72,63	70,87
5,90	6	82	44	35	36	88,62	70,54	70,54	84,65	72,63	70,87
5,95	6	82	44	35	36		70,54				
6,00	6	82	44	35	36	88,62	70,54	70,54	84,65	72,63	70,87
6,10	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,20	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,30	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,35	8	91	53	43	36						79,02
6,40	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,50	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,60	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,70	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,80	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
6,90	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,00	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,10	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,20	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,30	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,40	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,45	8	91	53	43	36		76,94				
7,50	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,60	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,70	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,80	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,90	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
7,94	8	91	53	43	36						79,02
8,00	8	91	53	43	36	100,20	76,94	76,94	93,25	81,12	79,02
8,10	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,20	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,30	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,40	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,50	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,60	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,70	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,80	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
8,90	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58
9,00	10	103	61	49	40	125,70	109,30	109,30	134,50	94,90	92,58

Steel	○	○	○		
Stainless steel	●	●	●		●
Cast iron	○	○	○	●	○
Non ferrous metals	○	●	●	●	●
Heat resistant alloys	○	○	○		●

→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Speed
VA

Ti800

VA

Ti700

VA

Ti700

GG

Ti700

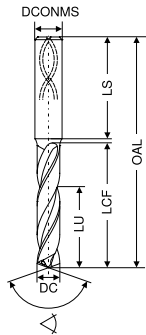
AL

DLC

Ti

DPA54

DRAGONSKIN



Type GG = Straight Fluted



HA

135°

Solid carbide

T4



HA

140°

Solid carbide

T4



HE

140°

Solid carbide

T4



HA

130°

Solid carbide

T4



HA

135°

Solid carbide

T4



HA

140°

Solid carbide

T4

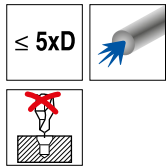
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ...	Article no. 10 745 ...	Article no. 10 746 ...	Article no. 10 749 ...	Article no. 10 791 ...	Article no. 10 787 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
9,10	10	103	61	49	40	125,70 091	109,30 091	109,30 091	134,50 091	94,90 09100	92,58 091
9,20	10	103	61	49	40	125,70 092	109,30 092	109,30 092	134,50 092	94,90 09200	92,58 092
9,30	10	103	61	49	40	125,70 093	109,30 093	109,30 093	134,50 093	94,90 09300	92,58 093
9,35	10	103	61	49	40		109,30 930				
9,40	10	103	61	49	40	125,70 094	109,30 094	109,30 094	134,50 094	94,90 09400	92,58 094
9,45	10	103	61	49	40		109,30 994				
9,50	10	103	61	49	40	125,70 095	109,30 095	109,30 095	134,50 095	94,90 09500	92,58 095
9,53	10	103	61	49	40						92,58 905
9,60	10	103	61	49	40	125,70 096	109,30 096	109,30 096	134,50 096	94,90 09600	92,58 096
9,70	10	103	61	49	40	125,70 097	109,30 097	109,30 097	134,50 097	94,90 09700	92,58 097
9,80	10	103	61	49	40	125,70 098	109,30 098	109,30 098	134,50 098	94,90 09800	92,58 098
9,90	10	103	61	49	40	125,70 099	109,30 099	109,30 099	134,50 099	94,90 09900	92,58 099
10,00	10	103	61	49	40	125,70 100	109,30 100	109,30 100	134,50 100	94,90 10000	92,58 100
10,10	12	118	71	54	45						129,00 101
10,10	12	118	71	56	45	179,60 101	155,50 101	155,50 101	185,20 101	132,30 10100	
10,20	12	118	71	54	45						129,00 102
10,20	12	118	71	56	45	179,60 102	155,50 102	155,50 102	185,20 102	132,30 10200	
10,30	12	118	71	54	45						129,00 103
10,30	12	118	71	56	45	179,60 103	155,50 103	155,50 103	185,20 103	132,30 10300	
10,40	12	118	71	54	45						129,00 104
10,40	12	118	71	56	45	179,60 104	155,50 104	155,50 104	185,20 104	132,30 10400	
10,50	12	118	71	56	45	179,60 105	155,50 105	155,50 105	185,20 105	132,30 10500	
10,50	12	118	71	54	45						129,00 105
10,55	12	118	71	56	45		155,50 932				
10,60	12	118	71	56	45	179,60 106	155,50 106	155,50 106	185,20 106	132,30 10600	
10,60	12	118	71	54	45						129,00 106
10,70	12	118	71	54	45						129,00 107
10,70	12	118	71	56	45	179,60 107	155,50 107	155,50 107	185,20 107	132,30 10700	
10,80	12	118	71	54	45						129,00 108
10,80	12	118	71	56	45	179,60 108	155,50 108	155,50 108	185,20 108	132,30 10800	
10,90	12	118	71	54	45						129,00 109
10,90	12	118	71	56	45	179,60 109	155,50 109	155,50 109	185,20 109		
11,00	12	118	71	54	45						129,00 110
11,00	12	118	71	56	45	179,60 110	155,50 110	155,50 110	185,20 110	132,30 11000	
11,10	12	118	71	56	45	179,60 111	155,50 111	155,50 111	185,20 111	132,30 11100	
11,10	12	118	71	54	45						129,00 111
11,11	12	118	71	54	45						129,00 906
11,20	12	118	71	56	45	179,60 112	155,50 112	155,50 112	185,20 112	132,30 11200	
11,20	12	118	71	54	45						129,00 112
11,25	12	118	71	56	45		155,50 912				
11,30	12	118	71	56	45	179,60 113	155,50 113	155,50 113	185,20 113	132,30 11300	

Steel	○	○	○			
Stainless steel	●	●	●			●
Cast iron	○	○	○	●	○	
Non ferrous metals	○	●	●	●	●	
Heat resistant alloys	○	○	○			●

→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Speed
VA

Ti800

VA

Ti700

VA

Ti700

GG

Ti700

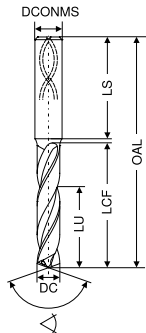
AL

DLC

Ti

DPA54

DRAGONSKIN



Type GG = Straight Fluted



135°
Solid carbide
T4



140°
Solid carbide
T4



140°
Solid carbide
T4



130°
Solid carbide
T4



135°
Solid carbide
T4



140°
Solid carbide
T4

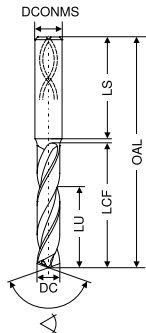
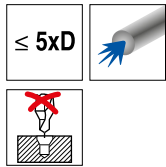
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ...	Article no. 10 745 ...	Article no. 10 746 ...	Article no. 10 749 ...	Article no. 10 791 ...	Article no. 10 787 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
11,30	12	118	71	54	45						113
11,35	12	118	71	56	45		155,50	913			
11,40	12	118	71	54	45						114
11,40	12	118	71	56	45	179,60	114	155,50	114	185,20	114
11,45	12	118	71	56	45		155,50	914		132,30	11400
11,50	12	118	71	56	45	179,60	115	155,50	115	185,20	115
11,50	12	118	71	54	45					132,30	11500
11,60	12	118	71	54	45						115
11,60	12	118	71	56	45	179,60	116	155,50	116	185,20	116
11,70	12	118	71	54	45						117
11,70	12	118	71	56	45	179,60	117	155,50	117	185,20	117
11,80	12	118	71	54	45					132,30	11700
11,80	12	118	71	56	45	179,60	118	155,50	118	185,20	118
11,90	12	118	71	54	45					132,30	11800
11,90	12	118	71	56	45	179,60	119	155,50	119	185,20	119
12,00	12	118	71	54	45						120
12,00	12	118	71	56	45	179,60	120	155,50	120	185,20	120
12,10	14	124	77	58	45					132,30	12000
12,15	14	124	77	60	45		213,80	921			121
12,20	14	124	77	58	45						122
12,20	14	124	77	60	45					184,10	12200
12,30	14	124	77	58	45						123
12,40	14	124	77	58	45					180,80	124
12,50	14	124	77	58	45					180,80	125
12,50	14	124	77	60	45	239,10	125	213,80	125	251,30	125
12,55	14	124	77	60	45		213,80	925		184,10	12500
12,60	14	124	77	58	45						126
12,60	14	124	77	60	45					184,10	12600
12,70	14	124	77	58	45						907
12,80	14	124	77	58	45					180,80	128
12,80	14	124	77	60	45	239,10	128	213,80	128	251,30	128
12,90	14	124	77	58	45					184,10	12800
13,00	14	124	77	58	45						129
13,00	14	124	77	60	45	239,10	130	213,80	130	251,30	130
13,10	14	124	77	58	45					184,10	13000
13,20	14	124	77	58	45						131
13,30	14	124	77	58	45					180,80	132
13,35	14	124	77	60	45		213,80	933		180,80	133
13,40	14	124	77	58	45						134
13,50	14	124	77	60	45	239,10	135	213,80	135	251,30	135
13,50	14	124	77	58	45					184,10	13500
										180,80	135

Steel	○	○	○			
Stainless steel	●	●	●			●
Cast iron	○	○	○	●	○	
Non ferrous metals	○	●	●	●	●	
Heat resistant alloys	○	○	○			●

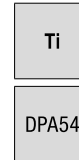
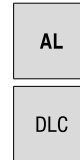
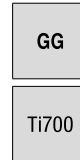
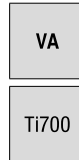
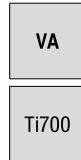
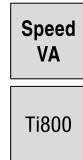
→ v_c Page 95–108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Type GG = Straight Fluted



DRAGONSKIN



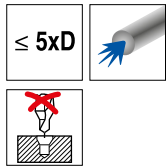
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ... EUR	Article no. 10 745 ... EUR	Article no. 10 746 ... EUR	Article no. 10 749 ... EUR	Article no. 10 791 ... EUR	Article no. 10 787 ... EUR
mm	mm	mm	mm	mm	mm						
13,60	14	124	77	58	45						180,80 136
13,70	14	124	77	58	45						180,80 137
13,80	14	124	77	58	45						180,80 138
13,80	14	124	77	60	45	239,10 138	213,80 138	213,80 138	251,30 138	184,10 13800	180,80 139
13,90	14	124	77	58	45						
14,00	14	124	77	60	45	239,10 140	213,80 140	213,80 140	251,30 140	184,10 14000	
14,00	14	124	77	58	45						180,80 140
14,10	16	133	83	61	48						220,50 141
14,20	16	133	83	61	48						220,50 142
14,20	16	133	83	63	48					224,90 14200	
14,30	16	133	83	61	48						220,50 143
14,40	16	133	83	61	48						220,50 144
14,50	16	133	83	61	48						220,50 145
14,50	16	133	83	63	48	291,00 145	266,80 145	266,80 145	307,50 145	224,90 14500	
14,60	16	133	83	61	48						220,50 146
14,70	16	133	83	61	48						220,50 147
14,80	16	133	83	61	48						220,50 148
14,80	16	133	83	63	48	291,00 148	266,80 148	266,80 148	307,50 148	224,90 14800	
14,90	16	133	83	61	48						220,50 149
15,00	16	133	83	61	48						220,50 150
15,00	16	133	83	63	48	291,00 150	266,80 150	266,80 150	307,50 150	224,90 15000	
15,10	16	133	83	61	48						220,50 151
15,20	16	133	83	61	48						220,50 152
15,20	16	133	83	63	48					224,90 15200	
15,30	16	133	83	61	48						220,50 153
15,35	16	133	83	63	48		266,80 953				
15,40	16	133	83	61	48						220,50 154
15,50	16	133	83	61	48						220,50 155
15,50	16	133	83	63	48	291,00 155	266,80 155	266,80 155	307,50 155	224,90 15500	
15,60	16	133	83	61	48						220,50 156
15,70	16	133	83	61	48						220,50 157
15,80	16	133	83	61	48						220,50 158
15,80	16	133	83	63	48	291,00 158	266,80 158	266,80 158	307,50 158	224,90 15800	
15,90	16	133	83	61	48						220,50 159
16,00	16	133	83	61	48						220,50 160
16,00	16	133	83	63	48	291,00 160	266,80 160	266,80 160	307,50 160	224,90 16000	
16,05	18	143	93	71	48		350,50 960				
16,10	18	143	93	69	48						220,50 161
16,20	18	143	93	69	48						220,50 162
16,30	18	143	93	69	48						220,50 163
16,40	18	143	93	69	48						220,50 164

Steel	○	○	○			
Stainless steel	●	●	●			●
Cast iron	○	○	○	●	○	
Non ferrous metals	○	●	●	●	●	
Heat resistant alloys	○	○	○			●

→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Speed
VA

Ti800

VA

Ti700

VA

Ti700

GG

Ti700

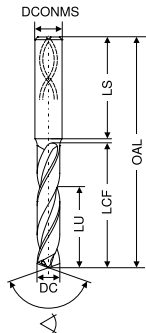
AL

DLC

Ti

DPA54

DRAGONSKIN



Type GG = Straight Fluted



135°
Solid carbide
T4



140°
Solid carbide
T4



140°
Solid carbide
T4



130°
Solid carbide
T4



135°
Solid carbide
T4



140°
Solid carbide
T4

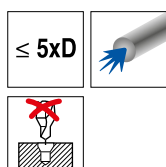
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ...	Article no. 10 745 ...	Article no. 10 746 ...	Article no. 10 749 ...	Article no. 10 791 ...	Article no. 10 787 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
16,50	18	143	93	69	48						304,20
16,50	18	143	93	71	48	393,50	350,50	350,50	404,60	311,90	304,20
16,60	18	143	93	69	48						304,20
16,70	18	143	93	69	48						304,20
16,80	18	143	93	69	48						304,20
16,80	18	143	93	71	48	393,50	350,50	350,50	404,60		
16,90	18	143	93	69	48						304,20
17,00	18	143	93	71	48	393,50	350,50	350,50	404,60	311,90	
17,00	18	143	93	69	48						304,20
17,10	18	143	93	69	48						304,20
17,20	18	143	93	69	48						304,20
17,30	18	143	93	69	48						304,20
17,40	18	143	93	69	48						304,20
17,50	18	143	93	69	48						304,20
17,50	18	143	93	71	48	393,50	350,50	350,50	404,60	311,90	
17,60	18	143	93	69	48						304,20
17,70	18	143	93	69	48						304,20
17,80	18	143	93	69	48						304,20
17,80	18	143	93	71	48	393,50	350,50	350,50	404,60		
17,90	18	143	93	69	48						304,20
18,00	18	143	93	69	48						304,20
18,00	18	143	93	71	48	393,50	350,50	350,50	404,60	311,90	
18,10	20	153	101	75	50						376,90
18,20	20	153	101	75	50						376,90
18,30	20	153	101	75	50						376,90
18,40	20	153	101	75	50						376,90
18,50	20	153	101	75	50						376,90
18,50	20	153	101	77	50	437,50	448,60	448,60	523,50	385,80	
18,60	20	153	101	75	50						376,90
18,70	20	153	101	75	50						376,90
18,80	20	153	101	75	50						376,90
18,80	20	153	101	77	50	437,50	448,60	448,60	523,50		
18,90	20	153	101	75	50						376,90
19,00	20	153	101	75	50						376,90
19,00	20	153	101	77	50	437,50	448,60	448,60	523,50	385,80	
19,10	20	153	101	75	50						376,90
19,20	20	153	101	75	50						376,90
19,30	20	153	101	75	50						376,90
19,35	20	153	101	77	50		448,60				
19,40	20	153	101	75	50						376,90
19,50	20	153	101	77	50	437,50	448,60	448,60	523,50	385,80	

Steel	○	○	○		
Stainless steel	●	○	●		●
Cast iron	○	○	○	●	○
Non ferrous metals	○	●	●	●	●
Heat resistant alloys	○	○	○		●

→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{n7} for Type Speed VA and AL

WTX – High-performance drill, DIN 6537



Speed
VA

Ti800

VA

Ti700

VA

Ti700

GG

Ti700

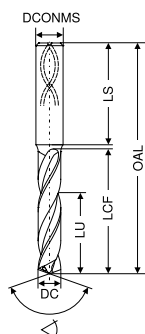
AL

DLC

Ti

DPA54

DRAGONSKIN



Type GG = Straight Fluted



HA

135°

Solid carbide

T4



HA

140°

Solid carbide

T4



HE

140°

Solid carbide

T4



HA

130°

Solid carbide

T4



HA

135°

Solid carbide

T4



HA

140°

Solid carbide

T4

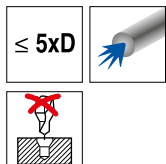
DC _{m7/h7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 10 773 ...	Article no. 10 745 ...	Article no. 10 746 ...	Article no. 10 749 ...	Article no. 10 791 ...	Article no. 10 787 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR	EUR	EUR
19,50	20	153	101	75	50						376,90 195
19,60	20	153	101	75	50						376,90 196
19,70	20	153	101	75	50						376,90 197
19,80	20	153	101	77	50	437,50 198	448,60 198	448,60 198	523,50 198		376,90 198
19,80	20	153	101	75	50						376,90 199
19,90	20	153	101	75	50						376,90 199
20,00	20	153	101	75	50						376,90 200
20,00	20	153	101	77	50	437,50 200	448,60 200	448,60 200	523,50 200	385,80 20000	

Steel	○	○	○								
Stainless steel	●	●	●								●
Cast iron	○	○	○					●		○	
Non ferrous metals	○	●	●					●		●	
Heat resistant alloys	○	○	○								●

→ v_c Page 95-108

i Ø DC_{m7} for Type VA, Ti and GG / Ø DC_{h7} for Type Speed VA and AL

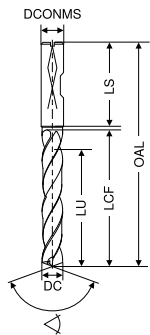
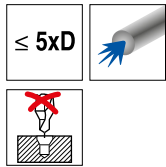
WPC – High Performance Drill, DIN 6537



DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	UNI TiAlN	UNI TiAlN	VA TiAlN	VA TiAlN
mm	mm	mm	mm	mm	mm	Article no. 11 609 ...	Article no. 11 610 ...	Article no. 11 629 ...	Article no. 11 630 ...
1,00	4	45	8,0	6,5	30,0	41,88 010		41,88 010	
1,10	4	45	8,8	7,2	29,0	41,88 011		41,88 011	
1,20	4	45	9,6	7,8	29,0	41,88 012		41,88 012	
1,30	4	45	10,4	8,5	28,5	41,88 013		41,88 013	
1,40	4	45	11,2	9,1	28,0	41,88 014		41,88 014	
1,50	4	50	12,0	9,8	32,0	41,88 015		41,88 015	
1,60	4	50	12,8	10,4	31,0	41,88 016		41,88 016	
1,70	4	50	13,6	11,1	30,5	41,88 017		41,88 017	
1,80	4	50	14,4	11,7	30,0	41,88 018		41,88 018	
1,90	4	50	15,2	12,4	29,5	41,88 019		41,88 019	
2,00	4	50	16,0	13,0	29,0	41,88 020		41,88 020	
2,10	4	55	16,8	13,7	33,0	41,88 021		41,88 021	
2,20	4	55	17,6	14,3	32,5	41,88 022		41,88 022	
2,30	4	55	18,4	15,0	32,0	41,88 023		41,88 023	
2,40	4	55	19,2	15,6	31,5	41,88 024		41,88 024	
2,50	4	55	20,0	16,3	30,5	41,88 025		41,88 025	
2,60	4	55	20,8	16,9	30,0	41,88 026		41,88 026	
2,70	4	55	21,6	17,6	29,0	41,88 027		41,88 027	
2,80	4	55	22,4	18,2	29,0	41,88 028		41,88 028	
2,90	4	55	23,2	18,9	28,5	41,88 029		41,88 029	
3,00	6	66	28,0	23,0	36,0	41,22 030	41,22 030	41,22 030	41,22 030
3,10	6	66	28,0	23,0	36,0	41,22 031	41,22 031	41,22 031	41,22 031
3,20	6	66	28,0	23,0	36,0	41,22 032	41,22 032	41,22 032	41,22 032
3,25	6	66	28,0	23,0	36,0	41,22 890	41,22 890	39,52 03250	
3,30	6	66	28,0	23,0	36,0	41,22 033	41,22 033	41,22 033	41,22 033
3,40	6	66	28,0	23,0	36,0	41,22 034	41,22 034	41,22 034	41,22 034
3,50	6	66	28,0	23,0	36,0	41,22 035	41,22 035	41,22 035	41,22 035
3,60	6	66	28,0	23,0	36,0	41,22 036	41,22 036	41,22 036	41,22 036
3,70	6	66	28,0	23,0	36,0	41,22 037	41,22 037	41,22 037	41,22 037
3,80	6	74	36,0	29,0	36,0	41,22 038	41,22 038	41,22 038	41,22 038
3,90	6	74	36,0	29,0	36,0	41,22 039	41,22 039	41,22 039	41,22 039
4,00	6	74	36,0	29,0	36,0	41,22 040	41,22 040	41,22 040	41,22 040
4,10	6	74	36,0	29,0	36,0	41,22 041	41,22 041	41,22 041	41,22 041
4,20	6	74	36,0	29,0	36,0	41,22 042	41,22 042	41,22 042	41,22 042
4,30	6	74	36,0	29,0	36,0	41,22 043	41,22 043	41,22 043	41,22 043
4,40	6	74	36,0	29,0	36,0	41,22 044	41,22 044	41,22 044	41,22 044
4,50	6	74	36,0	29,0	36,0	41,22 045	41,22 045	41,22 045	41,22 045
4,60	6	74	36,0	29,0	36,0	41,22 046	41,22 046	41,22 046	41,22 046
4,65	6	74	36,0	29,0	36,0	41,22 900	41,22 900	41,22 900	41,22 900
4,70	6	74	36,0	29,0	36,0	41,22 047	41,22 047	41,22 047	41,22 047
4,80	6	82	44,0	35,0	36,0	41,22 048	41,22 048	41,22 048	41,22 048
4,90	6	82	44,0	35,0	36,0	41,22 049	41,22 049	41,22 049	41,22 049
5,00	6	82	44,0	35,0	36,0	41,22 050	41,22 050	41,22 050	41,22 050
5,10	6	82	44,0	35,0	36,0	41,22 051	41,22 051	41,22 051	41,22 051

Steel	●	●	○	○
Stainless steel	○	○	●	●
Cast iron	○	●	○	○
Non ferrous metals	○	○	●	●
Heat resistant alloys			●	●

WPC – High Performance Drill, DIN 6537

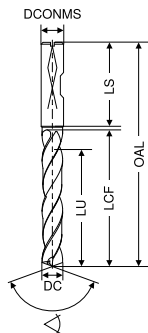


DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	UNI TiAlN	UNI TiAlN	VA TiAlN	VA TiAlN
mm	mm	mm	mm	mm	mm	Article no. 11 609 ...	Article no. 11 610 ...	Article no. 11 629 ...	Article no. 11 630 ...
5,20	6	82	44,0	35,0	36,0	41,22 052	41,22 052	41,22 052	41,22 052
5,30	6	82	44,0	35,0	36,0	41,22 053	41,22 053	41,22 053	41,22 053
5,40	6	82	44,0	35,0	36,0	41,22 054	41,22 054	41,22 054	41,22 054
5,50	6	82	44,0	35,0	36,0	41,22 055	41,22 055	41,22 055	41,22 055
5,55	6	82	44,0	35,0	36,0	41,22 902	41,22 902	41,22 902	41,22 902
5,60	6	82	44,0	35,0	36,0	41,22 056	41,22 056	41,22 056	41,22 056
5,70	6	82	44,0	35,0	36,0	41,22 057	41,22 057	41,22 057	41,22 057
5,80	6	82	44,0	35,0	36,0	41,22 058	41,22 058	41,22 058	41,22 058
5,90	6	82	44,0	35,0	36,0	41,22 059	41,22 059	41,22 059	41,22 059
6,00	6	82	44,0	35,0	36,0	41,22 060	41,22 060	41,22 060	41,22 060
6,10	8	91	53,0	43,0	36,0	45,74 061	45,74 061	45,74 061	45,74 061
6,20	8	91	53,0	43,0	36,0	45,74 062	45,74 062	45,74 062	45,74 062
6,30	8	91	53,0	43,0	36,0	45,74 063	45,74 063	45,74 063	45,74 063
6,40	8	91	53,0	43,0	36,0	45,74 064	45,74 064	45,74 064	45,74 064
6,50	8	91	53,0	43,0	36,0	45,74 065	45,74 065	45,74 065	45,74 065
6,60	8	91	53,0	43,0	36,0	45,74 066	45,74 066	45,74 066	45,74 066
6,70	8	91	53,0	43,0	36,0	45,74 067	45,74 067	45,74 067	45,74 067
6,80	8	91	53,0	43,0	36,0	45,74 068	45,74 068	45,74 068	45,74 068
6,90	8	91	53,0	43,0	36,0	45,74 069	45,74 069	45,74 069	45,74 069
7,00	8	91	53,0	43,0	36,0	45,74 070	45,74 070	45,74 070	45,74 070
7,10	8	91	53,0	43,0	36,0	45,74 071	45,74 071	45,74 071	45,74 071
7,20	8	91	53,0	43,0	36,0	45,74 072	45,74 072	45,74 072	45,74 072
7,30	8	91	53,0	43,0	36,0	45,74 073	45,74 073	45,74 073	45,74 073
7,40	8	91	53,0	43,0	36,0	45,74 074	45,74 074	45,74 074	45,74 074
7,45	8	91	53,0	43,0	36,0	45,74 924	45,74 924	45,45 07450	45,74 074
7,50	8	91	53,0	43,0	36,0	45,74 075	45,74 075	45,74 075	45,74 075
7,55	8	91	53,0	43,0	36,0	45,74 975	45,74 975	45,74 975	45,74 975
7,60	8	91	53,0	43,0	36,0	45,74 076	45,74 076	45,74 076	45,74 076
7,70	8	91	53,0	43,0	36,0	45,74 077	45,74 077	45,74 077	45,74 077
7,80	8	91	53,0	43,0	36,0	45,74 078	45,74 078	45,74 078	45,74 078
7,90	8	91	53,0	43,0	36,0	45,74 079	45,74 079	45,74 079	45,74 079
8,00	8	91	53,0	43,0	36,0	45,74 080	45,74 080	45,74 080	45,74 080
8,10	10	103	61,0	49,0	40,0	52,35 081	52,35 081	52,35 081	52,35 081
8,20	10	103	61,0	49,0	40,0	52,35 082	52,35 082	52,35 082	52,35 082
8,30	10	103	61,0	49,0	40,0	52,35 083	52,35 083	52,35 083	52,35 083
8,40	10	103	61,0	49,0	40,0	52,35 084	52,35 084	52,35 084	52,35 084
8,50	10	103	61,0	49,0	40,0	52,35 085	52,35 085	52,35 085	52,35 085
8,60	10	103	61,0	49,0	40,0	52,35 086	52,35 086	52,35 086	52,35 086
8,70	10	103	61,0	49,0	40,0	52,35 087	52,35 087	52,35 087	52,35 087
8,80	10	103	61,0	49,0	40,0	52,35 088	52,35 088	52,35 088	52,35 088
8,90	10	103	61,0	49,0	40,0	52,35 089	52,35 089	52,35 089	52,35 089
9,00	10	103	61,0	49,0	40,0	52,35 090	52,35 090	52,35 090	52,35 090
9,10	10	103	61,0	49,0	40,0	52,35 091	52,35 091	52,35 091	52,35 091
9,20	10	103	61,0	49,0	40,0	52,35 092	52,35 092	52,35 092	52,35 092

Steel	●	●	○	○
Stainless steel	○	○	●	●
Cast iron	○	○	○	○
Non ferrous metals	○	○	●	●
Heat resistant alloys			●	●

→ v_c Page 117+121

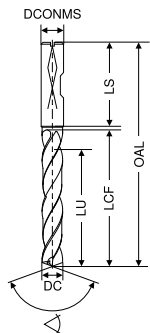
WPC – High Performance Drill, DIN 6537



DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	UNI TiAlN		UNI TiAlN		VA TiAlN		VA TiAlN	
mm	mm	mm	mm	mm	mm	Article no. 11 609 ...	EUR	Article no. 11 610 ...	EUR	Article no. 11 629 ...	EUR	Article no. 11 630 ...	EUR
9,25	10	103	61,0	49,0	40,0	52,35 925	52,35	52,35 925	52,35	52,35 925	52,35	52,35 925	52,35
9,30	10	103	61,0	49,0	40,0	52,35 093	52,35	52,35 093	52,35	52,35 093	52,35	52,35 093	52,35
9,35	10	103	61,0	49,0	40,0	52,35 930	52,35	52,35 930	52,35	50,64 09350			
9,40	10	103	61,0	49,0	40,0	52,35 094	52,35	52,35 094	52,35	52,35 094	52,35	52,35 094	52,35
9,50	10	103	61,0	49,0	40,0	52,35 095	52,35	52,35 095	52,35	52,35 095	52,35	52,35 095	52,35
9,60	10	103	61,0	49,0	40,0	52,35 096	52,35	52,35 096	52,35	52,35 096	52,35	52,35 096	52,35
9,70	10	103	61,0	49,0	40,0	52,35 097	52,35	52,35 097	52,35	52,35 097	52,35	52,35 097	52,35
9,80	10	103	61,0	49,0	40,0	52,35 098	52,35	52,35 098	52,35	52,35 098	52,35	52,35 098	52,35
9,90	10	103	61,0	49,0	40,0	52,35 099	52,35	52,35 099	52,35	52,35 099	52,35	52,35 099	52,35
10,00	10	103	61,0	49,0	40,0	52,35 100	52,35	52,35 100	52,35	52,35 100	52,35	52,35 100	52,35
10,10	12	118	71,0	56,0	45,0	76,26 101	76,26	76,26 101	76,26	76,26 101	76,26	76,26 101	76,26
10,20	12	118	71,0	56,0	45,0	76,26 102	76,26	76,26 102	76,26	76,26 102	76,26	76,26 102	76,26
10,30	12	118	71,0	56,0	45,0	76,26 103	76,26	76,26 103	76,26	76,26 103	76,26	76,26 103	76,26
10,40	12	118	71,0	56,0	45,0	76,26 104	76,26	76,26 104	76,26	76,26 104	76,26	76,26 104	76,26
10,50	12	118	71,0	56,0	45,0	76,26 105	76,26	76,26 105	76,26	76,26 105	76,26	76,26 105	76,26
10,60	12	118	71,0	56,0	45,0	76,26 106	76,26	76,26 106	76,26	76,26 106	76,26	76,26 106	76,26
10,70	12	118	71,0	56,0	45,0	76,26 107	76,26	76,26 107	76,26	76,26 107	76,26	76,26 107	76,26
10,75	12	118	71,0	56,0	45,0	76,26 904	76,26	76,26 904	76,26	73,57 10750			
10,80	12	118	71,0	56,0	45,0	76,26 108	76,26	76,26 108	76,26	76,26 108	76,26	76,26 108	76,26
10,90	12	118	71,0	56,0	45,0	76,26 109	76,26	76,26 109	76,26	76,26 109	76,26	76,26 109	76,26
11,00	12	118	71,0	56,0	45,0	76,26 110	76,26	76,26 110	76,26	76,26 110	76,26	76,26 110	76,26
11,10	12	118	71,0	56,0	45,0	76,26 111	76,26	76,26 111	76,26	76,26 111	76,26	76,26 111	76,26
11,20	12	118	71,0	56,0	45,0	76,26 112	76,26	76,26 112	76,26	76,26 112	76,26	76,26 112	76,26
11,25	12	118	71,0	56,0	45,0	76,26 912	76,26	76,26 912	76,26	72,94 11250			
11,30	12	118	71,0	56,0	45,0	76,26 113	76,26	76,26 113	76,26	76,26 113	76,26	76,26 113	76,26
11,40	12	118	71,0	56,0	45,0	76,26 114	76,26	76,26 114	76,26	76,26 114	76,26	76,26 114	76,26
11,50	12	118	71,0	56,0	45,0	76,26 115	76,26	76,26 115	76,26	76,26 115	76,26	76,26 115	76,26
11,60	12	118	71,0	56,0	45,0	76,26 116	76,26	76,26 116	76,26	76,26 116	76,26	76,26 116	76,26
11,70	12	118	71,0	56,0	45,0	76,26 117	76,26	76,26 117	76,26	76,26 117	76,26	76,26 117	76,26
11,80	12	118	71,0	56,0	45,0	76,26 118	76,26	76,26 118	76,26	76,26 118	76,26	76,26 118	76,26
11,90	12	118	71,0	56,0	45,0	76,26 119	76,26	76,26 119	76,26	76,26 119	76,26	76,26 119	76,26
12,00	12	118	71,0	56,0	45,0	76,26 120	76,26	76,26 120	76,26	76,26 120	76,26	76,26 120	76,26
12,25	14	124	77,0	60,0	45,0	102,70 122	102,70	102,70 122	102,70	100,80 12250			
12,50	14	124	77,0	60,0	45,0	102,70 125	102,70	102,70 125	102,70	102,70 125	102,70	102,70 125	102,70
12,70	14	124	77,0	60,0	45,0	102,70 127	102,70	102,70 127	102,70	102,70 127	102,70	102,70 127	102,70
12,80	14	124	77,0	60,0	45,0	102,70 128	102,70	102,70 128	102,70				
12,90	14	124	77,0	60,0	45,0	102,70 129	102,70	102,70 129	102,70				
13,00	14	124	77,0	60,0	45,0	102,70 130	102,70	102,70 130	102,70	102,70 130	102,70	102,70 130	102,70
13,10	14	124	77,0	60,0	45,0	102,70 131	102,70	102,70 131	102,70				
13,30	14	124	77,0	60,0	45,0	102,70 133	102,70	102,70 133	102,70				
13,50	14	124	77,0	60,0	45,0	102,70 135	102,70	102,70 135	102,70	102,70 135	102,70	102,70 135	102,70
13,70	14	124	77,0	60,0	45,0	102,70 137	102,70	102,70 137	102,70	102,70 137	102,70	102,70 137	102,70
13,80	14	124	77,0	60,0	45,0	102,70 138	102,70	102,70 138	102,70				
14,00	14	124	77,0	60,0	45,0	102,70 140	102,70	102,70 140	102,70	102,70 140	102,70	102,70 140	102,70

Steel	●	●	○	○
Stainless steel	○	○	●	●
Cast iron	○	●	○	○
Non ferrous metals	○	○	●	●
Heat resistant alloys			●	●

WPC – High Performance Drill, DIN 6537



DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	Article no. 11 609 ...	Article no. 11 610 ...	Article no. 11 629 ...	Article no. 11 630 ...
mm	mm	mm	mm	mm	mm	EUR	EUR	EUR	EUR
14,20	16	133	83,0	63,0	48,0	127,80	142	127,80	142
14,50	16	133	83,0	63,0	48,0	127,80	145	127,80	145
14,70	16	133	83,0	63,0	48,0	127,80	147	127,80	147
14,80	16	133	83,0	63,0	48,0	127,80	148	127,80	148
15,00	16	133	83,0	63,0	48,0	127,80	150	127,80	150
15,10	16	133	83,0	63,0	48,0	127,80	151	127,80	151
15,25	16	133	83,0	63,0	48,0	127,80	152	127,80	152
15,30	16	133	83,0	63,0	48,0	127,80	153	127,80	153
15,50	16	133	83,0	63,0	48,0	127,80	155	127,80	155
15,60	16	133	83,0	63,0	48,0	127,80	156	127,80	156
15,70	16	133	83,0	63,0	48,0	127,80	157	127,80	157
15,80	16	133	83,0	63,0	48,0	127,80	158	127,80	158
16,00	16	133	83,0	63,0	48,0	127,80	160	127,80	160
16,50	18	143	93,0	71,0	48,0	203,80	165	203,80	165
16,80	18	143	93,0	71,0	48,0	203,80	168	203,80	168
16,90	18	143	93,0	71,0	48,0	203,80	169	203,80	169
17,00	18	143	93,0	71,0	48,0	203,80	170	203,80	170
17,50	18	143	93,0	71,0	48,0	203,80	175	203,80	175
17,60	18	143	93,0	71,0	48,0	203,80	176	203,80	176
17,80	18	143	93,0	71,0	48,0	203,80	178	203,80	178
18,00	18	143	93,0	71,0	48,0	203,80	180	203,80	180
18,50	20	153	101,0	77,0	50,0	221,50	185	221,50	185
18,80	20	153	101,0	77,0	50,0	221,50	188	221,50	188
18,90	20	153	101,0	77,0	50,0	221,50	189	221,50	189
19,00	20	153	101,0	77,0	50,0	221,50	190	221,50	190
19,50	20	153	101,0	77,0	50,0	221,50	195	221,50	195
19,60	20	153	101,0	77,0	50,0	221,50	196	221,50	196
19,80	20	153	101,0	77,0	50,0	221,50	198	221,50	198
20,00	20	153	101,0	77,0	50,0	221,50	200	221,50	200

Steel	●	●	○	○
Stainless steel	○	○	●	●
Cast iron	●	●	○	○
Non ferrous metals	○	○	●	●
Heat resistant alloys			●	●

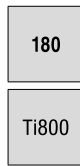
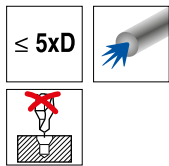
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WTX – High Performance Drill, DIN 6537

- ▲ universal application
▲ four guidance lands

- ▲ polished chip flutes
▲ Type ALU 5xD (10 723 ...) on request

- ▲ PL = corner chamfers



DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	PL	Article no. 10 721 ...	EUR
3,00	6	66	28	23	36	0,15	85,52	030
3,10	6	66	28	23	36	0,16	85,52	031
3,20	6	66	28	23	36	0,16	85,52	032
3,30	6	66	28	23	36	0,17	85,52	033
3,40	6	66	28	23	36	0,17	85,52	034
3,50	6	66	28	23	36	0,18	85,52	035
3,60	6	66	28	23	36	0,18	85,52	036
3,70	6	66	28	23	36	0,19	85,52	037
3,80	6	74	36	29	36	0,19	85,52	038
3,90	6	74	36	29	36	0,20	85,52	039
4,00	6	74	36	29	36	0,20	85,52	040
4,10	6	74	36	29	36	0,21	85,52	041
4,20	6	74	36	29	36	0,21	85,52	042
4,30	6	74	36	29	36	0,22	85,52	043
4,40	6	74	36	29	36	0,22	85,52	044
4,50	6	74	36	29	36	0,23	85,52	045
4,60	6	74	36	29	36	0,23	85,52	046
4,65	6	74	36	29	36	0,23	85,52	900
4,70	6	74	36	29	36	0,24	85,52	047
4,80	6	82	44	35	36	0,24	85,52	048
4,90	6	82	44	35	36	0,25	85,52	049
5,00	6	82	44	35	36	0,25	85,52	050
5,10	6	82	44	35	36	0,26	85,52	051
5,20	6	82	44	35	36	0,26	85,52	052
5,30	6	82	44	35	36	0,27	85,52	053
5,40	6	82	44	35	36	0,27	85,52	054
5,50	6	82	44	35	36	0,28	85,52	055
5,55	6	82	44	35	36	0,28	85,52	902
5,60	6	82	44	35	36	0,28	85,52	056
5,70	6	82	44	35	36	0,29	85,52	057
5,80	6	82	44	35	36	0,29	85,52	058
5,90	6	82	44	35	36	0,30	85,52	059
6,00	6	82	44	35	36	0,30	85,52	060
6,10	8	91	53	43	36	0,31	95,99	061
6,20	8	91	53	43	36	0,31	95,99	062
6,30	8	91	53	43	36	0,32	95,99	063
6,40	8	91	53	43	36	0,32	95,99	064
6,50	8	91	53	43	36	0,33	95,99	065
6,60	8	91	53	43	36	0,33	95,99	066
6,70	8	91	53	43	36	0,34	95,99	067
6,80	8	91	53	43	36	0,34	95,99	068
6,90	8	91	53	43	36	0,35	95,99	069
7,00	8	91	53	43	36	0,35	95,99	070
7,10	8	91	53	43	36	0,36	95,99	071
7,20	8	91	53	43	36	0,36	95,99	072
7,30	8	91	53	43	36	0,37	95,99	073
7,40	8	91	53	43	36	0,37	95,99	074
7,50	8	91	53	43	36	0,38	95,99	075
7,60	8	91	53	43	36	0,38	95,99	076
7,70	8	91	53	43	36	0,39	95,99	077
7,80	8	91	53	43	36	0,39	95,99	078
7,90	8	91	53	43	36	0,40	95,99	079
8,00	8	91	53	43	36	0,40	95,99	080
8,10	10	103	61	49	40	0,41	133,30	081

DC _{m7}	DCONMS _{h6}	OAL	LCF	LU	LS	PL	Article no. 10 721 ...	EUR
8,20	10	103	61	49	40	0,41	133,30	082
8,30	10	103	61	49	40	0,42	133,30	083
8,40	10	103	61	49	40	0,42	133,30	084
8,50	10	103	61	49	40	0,43	133,30	085
8,60	10	103	61	49	40	0,43	133,30	086
8,70	10	103	61	49	40	0,44	133,30	087
8,80	10	103	61	49	40	0,44	133,30	088
8,90	10	103	61	49	40	0,45	133,30	089
9,00	10	103	61	49	40	0,45	133,30	090
9,10	10	103	61	49	40	0,46	133,30	091
9,20	10	103	61	49	40	0,46	133,30	092
9,30	10	103	61	49	40	0,47	133,30	093
9,40	10	103	61	49	40	0,47	133,30	094
9,50	10	103	61	49	40	0,48	133,30	095
9,60	10	103	61	49	40	0,48	133,30	096
9,70	10	103	61	49	40	0,49	133,30	097
9,80	10	103	61	49	40	0,49	133,30	098
9,90	10	103	61	49	40	0,50	133,30	099
10,00	10	103	61	49	40	0,50	133,30	100
10,10	12	116	69	54	45	0,51	186,30	101
10,20	12	116	69	54	45	0,51	186,30	102
10,30	12	116	69	54	45	0,52	186,30	103
10,40	12	116	69	54	45	0,52	186,30	104
10,50	12	116	69	54	45	0,53	186,30	105
10,60	12	116	69	54	45	0,53	186,30	106
10,70	12	116	69	54	45	0,54	186,30	107
10,80	12	116	69	54	45	0,54	186,30	108
10,90	12	116	69	54	45	0,55	186,30	109
11,00	12	116	69	54	45	0,55	186,30	110
11,10	12	116	69	54	45	0,56	186,30	111
11,20	12	116	69	54	45	0,56	186,30	112
11,30	12	116	69	54	45	0,57	186,30	113
11,40	12	116	69	54	45	0,57	186,30	114
11,50	12	116	69	54	45	0,58	186,30	115
11,60	12	116	69	54	45	0,58	186,30	116
11,70	12	116	69	54	45	0,59	186,30	117
11,80	12	116	69	54	45	0,59	186,30	118
11,90	12	116	69	54	45	0,60	186,30	119
12,00	12	116	69	54	45	0,60	186,30	120
12,50	14	122	75	58	45	0,63	256,80	125
12,80	14	122	75	58	45	0,64	256,80	128
13,00	14	122	75	58	45	0,65	256,80	130
13,50	14	122	75	58	45	0,68	256,80	135
13,80	14	122	75	58	45	0,69	256,80	138
14,00	14	122	75	58	45	0,70	256,80	140
14,50	16	131	81	61	48	0,73	319,60	145
14,80	16	131	81	61	48	0,74	319,60	148
15,00	16	131	81	61	48	0,75	319,60	150
15,50	16	131	81	61	48	0,78	319,60	155
15,80	16	131	81	61	48	0,79	319,60	158
16,00	16	131	81	61	48	0,80	319,60	160
16,50	18	141	91	69	48	0,83	417,80	165
16,80	18	141	91	69	48	0,84	417,80	168
17,00	18	141	91	69	48	0,85	417,80	170
17,50	18	141	91	69	48	0,88	417,80	175
17,80	18	141	91	69	48	0,89	417,80	178
18,00	18	141	91	69	48	0,90	417,80	180
18,50	20	151	99	75	50	0,93	535,60	185
18,80	20	151	99	75	50	0,94	535,60	188
19,00	20	151	99	75	50	0,95	535,60	190
19,50	20	151	99	75	50	0,98	535,60	195
19,80	20	151	99	75	50	0,99	535,60	198
20,00	20	151	99	75	50	1,00	535,60	200

Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	○

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