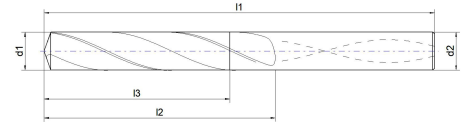
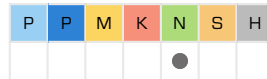
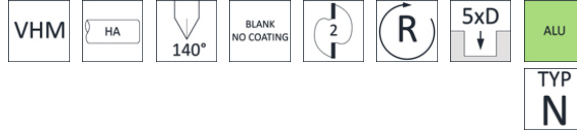


VHM Hochleistungsbohrer 5xD mit IK für Alu

Solid carbide high performance drills 5xD with IC for Aluminium



Artikelnummer Article-No.	d1	taps	forming taps	l1	l2	l3	d2 h6
E.3691.0.0200	2	-	-	57	21	16	3,0
E.3691.0.0210	2.1	-	-	57	21	16	3,0
E.3691.0.0220	2.2	-	-	57	21	16	3,0
E.3691.0.0230	2.3	-	-	57	21	16	3,0
E.3691.0.0240	2.4	-	-	57	21	16	3,0
E.3691.0.0250	2.5	M 3	-	57	21	16	3,0
E.3691.0.0260	2.6	-	-	57	21	19	3,0
E.3691.0.0270	2.7	-	-	57	21	19	3,0
E.3691.0.0280	2.8	-	M 3	57	21	19	3,0
E.3691.0.0290	2.9	M 3,5	M 3 x 0,25	57	21	19	3,0
E.3691.0.0300	3	-	-	67	28	23	6,0
E.3691.0.0310	3.1	-	-	67	28	23	6,0
E.3691.0.0320	3.2	-	-	67	28	23	6,0
E.3691.0.0330	3.3	M 4	M 3,5 x 0,5	67	28	23	6,0
E.3691.0.0340	3.4	-	-	67	28	23	6,0
E.3691.0.0350	3.5	M 4 x 0,5	-	67	28	23	6,0
E.3691.0.0360	3.6	-	-	67	28	23	6,0
E.3691.0.0370	3.7	M 4,5	M 4	67	28	23	6,0
E.3691.0.0380	3.8	-	M 4 x 0,5	75	36	29	6,0
E.3691.0.0390	3.9	-	-	75	36	29	6,0
E.3691.0.0400	4	M 4,5 x 0,5	-	75	36	29	6,0
E.3691.0.0410	4.1	-	-	75	36	29	6,0
E.3691.0.0420	4.2	M 5	M 4,5	75	36	29	6,0
E.3691.0.0430	4.3	-	M 4,5 x 0,5	75	36	29	6,0
E.3691.0.0440	4.4	-	-	75	36	29	6,0
E.3691.0.0450	4.5	M 5 x 0,5	-	75	36	29	6,0
E.3691.0.0460	4.6	M 5,5	-	75	36	29	6,0
E.3691.0.0470	4.7	-	M 5 x 0,75	75	36	29	6,0
E.3691.0.0480	4.8	-	M 5 x 0,5	83	44	35	6,0
E.3691.0.0490	4.9	-	-	83	44	35	6,0
E.3691.0.0500	5	M 6 / M5,5x0,5	-	83	44	35	6,0
E.3691.0.0510	5.1	-	M 5,5	83	44	35	6,0
E.3691.0.0520	5.2	M 6 x 0,75	-	83	44	35	6,0
E.3691.0.0530	5.3	-	M 5,5 x 0,5	83	44	35	6,0
E.3691.0.0540	5.4	-	-	83	44	35	6,0

PRODUCT DATA SHEET



Artikelnummer Article-No.	d1	taps	forming taps	l1	l2	l3	d2 h6
E.3691.0.0550	5.5	M 6 x 0,5	-	83	44	35	6,0
E.3691.0.0555	5.55	-	-	83	44	35	6,0
E.3691.0.0560	5.6	-	M 6	83	44	35	6,0
E.3691.0.0570	5.7	-	M 6 x 0,75	83	44	35	6,0
E.3691.0.0580	5.8	-	M 6 x 0,5	83	44	35	6,0
E.3691.0.0590	5.9	-	-	83	44	35	6,0
E.3691.0.0600	6	-	-	83	44	35	6,0
E.3691.0.0620	6.2	M 7 x 0,75	-	92	53	43	8,0
E.3691.0.0630	6.3	-	-	92	53	43	8,0
E.3691.0.0650	6.5	-	-	92	53	43	8,0
E.3691.0.0660	6.6	-	M 7	92	53	43	8,0
E.3691.0.0680	6.8	M 8	M 7 x 0,5	92	53	43	8,0
E.3691.0.0700	7	M 8 x 1	-	92	53	43	8,0
E.3691.0.0720	7.2	M 8 x 0,75	-	92	53	43	8,0
E.3691.0.0740	7.4	-	M 8	92	53	43	8,0
E.3691.0.0750	7.5	M 8 x 0,5	-	92	53	43	8,0
E.3691.0.0760	7.6	-	M 8 x 1	92	53	43	8,0
E.3691.0.0780	7.8	M 9	M 8 x 0,5	92	53	43	8,0
E.3691.0.0800	8	M 9 x 1	-	92	53	43	8,0
E.3691.0.0820	8.2	M 9 x 0,75	-	104	61	49	10,0
E.3691.0.0850	8.5	M 10	-	104	61	49	10,0
E.3691.0.0880	8.8	M 10 x 1,25	M 9 x 0,5	104	61	49	10,0
E.3691.0.0900	9	M 10 x 1	-	104	61	49	10,0
E.3691.0.0930	9.3	-	M 10	104	61	49	10,0
E.3691.0.0950	9.5	M 11	-	104	61	49	10,0
E.3691.0.1000	10	M 11 x 1	-	104	61	49	10,0
E.3691.0.1020	10.2	M 12 / M11x0,75	-	120	71	56	12,0
E.3691.0.1050	10.5	M 12 x 1,5	-	120	71	56	12,0
E.3691.0.1060	10.6	-	M 11 x 1	120	71	56	12,0
E.3691.0.1080	10.8	M 12 x 1,25	-	120	71	56	12,0
E.3691.0.1100	11	M 12 x 1	-	120	71	56	12,0
E.3691.0.1120	11.2	-	M 12	120	71	56	12,0
E.3691.0.1150	11.5	-	-	120	71	56	12,0
E.3691.0.1180	11.8	-	-	120	71	56	12,0
E.3691.0.1200	12	M 14	-	120	71	56	12,0
E.3691.0.1250	12.5	M 14 x 1,5	-	126	77	60	14,0
E.3691.0.1280	12.8	M 14 x 1,25	-	126	77	60	14,0
E.3691.0.1300	13	M 14 x 1	-	126	77	60	14,0
E.3691.0.1310	13.1	M 14 x 1	-	126	77	60	14,0
E.3691.0.1350	13.5	-	-	126	77	60	14,0
E.3691.0.1380	13.8	-	-	126	77	60	14,0
E.3691.0.1400	14	M 16 / M 15 x 1	-	126	77	60	14,0
E.3691.0.1450	14.5	M 16 x 1,5	-	135	83	63	16,0
E.3691.0.1480	14.8	-	-	135	83	63	16,0
E.3691.0.1500	15	M 16 x 1	-	135	83	63	16,0
E.3691.0.1510	15.1	M 16 x 1	-	135	83	63	16,0
E.3691.0.1550	15.5	M 18	-	135	83	63	16,0
E.3691.0.1580	15.8	-	-	135	83	63	16,0
E.3691.0.1600	16	M 18 x 2	-	135	83	63	16,0

PRODUCT DATA SHEET



Individuelle Schnittdaten online im
Schnittdaten-Rechner berechnen lassen:
Calculate individual cutting
data online in the cutting data calculator
www.nachreiner-schnittdaten.eu

PRODUCT DATA SHEET



Materialbezeichnung material description	Bearbeitung Process	Vc m/min	fz									
			2.00-2.90	3.00-3.90	4.00-4.90	5.00-5.90	6.00-6.80	7.00-7.80	8.00-8.80	9.00-9.50	10.00-10.50	11.00-11.50
N	AL- und AL-Legierungen AL und AL-alloys	Bohrer VHM	250.00	0.170	0.200	0.230	0.260	0.280	0.300	0.330	0.350	0.370
	AL- und AL-Legierungen AL und AL-alloys	Bohrer VHM	220.00	0.170	0.200	0.230	0.260	0.280	0.300	0.330	0.350	0.370
	AL- und AL-Legierungen >12% Si AL und AL-alloys >12% Si	Bohrer VHM	200.00	0.170	0.200	0.230	0.260	0.280	0.300	0.330	0.350	0.370
	Kupfer, Messing, Bronze, Rotguss Copper, brass, bronze, red brass	Bohrer VHM	180.00	0.130	0.150	0.170	0.190	0.210	0.220	0.240	0.250	0.260
	Kunststoff Thermoplaste	Bohrer VHM	100.00	0.080	0.100	0.110	0.130	0.140	0.150	0.160	0.170	0.180
	Duroplaste Duroplast	Bohrer VHM	100.00	0.080	0.100	0.110	0.130	0.140	0.150	0.160	0.170	0.180
	GFK/CFK GFK/CFK	Bohrer VHM	100.00	0.056	0.066	0.076	0.086	0.090	0.099	0.110	0.120	0.130