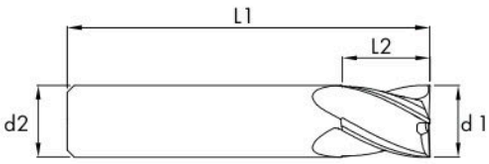
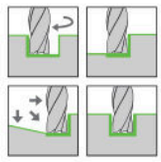
SOLID CARBIDE END MILLS

VOLLHARTMETALLFRÄSER KURZ

KARBÜR FREZE KISA







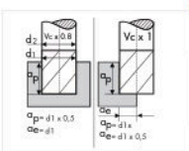
STUBBY

<52 HRC



d_1(e8)	L_2	L_1	d_2(h6)	Z	Uncoated Code	Coated Code
3	5	40	3	2	4002840	4002850
4	7	40	4	2	4002860	4002870
5	8	40	5	2	4002880	4002890
6	8	40	6	2	4002900	4002910
8	10	45	8	2	4002920	4002930
10	12	50	10	2	4002940	4002950
12	14	60	12	2	4002960	4002970
14	15	70	14	2	4002980	4002990
16	15	70	16	2	4003000	4003010
18	15	70	18	2	4003020	4003030
20	15	70	20	2	4003040	4003050
3	5	40	3	3	4002620	4002630
4	7	40	4	3	4002640	4002650
5	8	40	5	3	4002660	4002670
6	8	40	6	3	4002680	4002690
8	10	45	8	3	4002700	4002710
10	12	50	10	3	4002720	4002730

d_1(e8)	L_2	L_1	d_2(h6)	Z	Uncoated Code	Coated Code
12	14	60	12	3	4002740	4002750
14	15	70	14	3	4002760	4002770
16	15	70	16	3	4002780	4002790
18	15	70	18	3	4002800	4002810
20	15	70	20	3	4002820	4002830
3	5	40	3	4	4002400	4002410
4	7	40	4	4	4002420	4002430
5	8	40	5	4	4002440	4002450
6	8	40	6	4	4002460	4002470
8	10	45	8	4	4002480	4002490
10	12	50	10	4	4002500	4002510
12	14	60	12	4	4002520	4002530
14	15	70	14	4	4002540	4002550
16	15	70	16	4	4002560	4002570
18	15	70	18	4	4002580	4002590
20	15	70	20	4	4002600	4002610



	P (20-30 Hrc)			P (30-40 Hrc)			M			GG			AL			CU			Titan			< 52 HRC		
	1.0050-2 1.0060-2 1.0070-2			1.5864 1.6580 1.7225			1.4405 1.4460 1.4505			0.6035 0.7080 0.8055			3.2151 3.2373 3.2382			2.1247 2.0580 2.0598			3.7035 3.7055 3.7065			1.3255 1.3265 1.3333		
	Vc=100 m/dk.			Vc = 80 m/dk.			Vc = 55 m/dk.			Vc= 120 m/dk.			Vc = 300 m/dk.			Vc = 190 m/dk.			Vc = 45 m/dk.			Vc = 45 m/dk.		
d1	ap	ae	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf	fz	n	Vf
3	1.5	1.5	0.015	10616	160XZ	0.015	8492	130XZ	0.020	5838	115XZ	0.043	12738	550XZ	0.036	31846	1150XZ	0.037	20170	755XZ	0.012	4777	55XZ	0.011	4777	50XZ
4	2.0	2.0	0.020	7962	160xZ	0.020	6370	130xZ	0.026	4379	115xZ	0.058	9554	550xZ	0.048	23885	1150xZ	0.050	15127	755 xZ	0.015	3582	55 xZ	0.014	3582	50 xZ
5	2.5	2.5	0.025	6370	160xZ	0.025	5100	130xZ	0.033	3503	115xZ	0.072	7643	550xZ	0.060	19108	1150xZ	0.062	12102	755 xZ	0.019	2866	55 xZ	0.017	2866	50 xZ
6	3.0	3.0	0.030	5308	160xZ	0.030	4250	130xZ	0.039	2919	115xZ	0.086	6369	550xZ	0.072	15923	1150xZ	0.075	10085	755 xZ	0.023	2388	55 xZ	0.021	2388	50 xZ
8	4.0	4.0	0.040	3981	160xZ	0.040	3185	130xZ	0.053	2189	115xZ	0.115	4777	550xZ	0.092	11942	1150xZ	0.100	7564	755 xZ	0.031	1791	55 xZ	0.028	1791	50 xZ
10	5.0	5.0	0.050	3185	160xZ	0.050	2550	130xZ	0.066	1751	115xZ	0.144	3821	550xZ	0.120	9554	1150xZ	0.125	6051	755 xZ	0.038	1433	55 xZ	0.035	1433	50 xZ
12	6.0	6.0	0.060	2654	160xZ	0.060	2123	130xZ	0.079	1460	115xZ	0.173	3185	550xZ	0.144	7962	1150xZ	0.150	5042	755 xZ	0.046	1194	55 xZ	0.042	1194	50 xZ
14	7.0	7.0	0.070	2275	160xZ	0.070	1820	130xZ	0.092	1251	115xZ	0.202	2730	550xZ	0.168	6824	1150xZ	0.175	4322	755 xZ	0.054	1024	55 xZ	0.049	1024	50 xZ
16	8.0	8.0	0.080	1990	160xZ	0.080	1592	130xZ	0.105	1095	115xZ	0.230	2388	550xZ	0.193	5971	1150xZ	0.200	3782	755 xZ	0.062	896	55 xZ	0.056	896	50 xZ
18	9.0	9.0	0.090	1760	160xZ	0.090	1415	130xZ	0.118	973	115xZ	0.259	2123	550xZ	0.217	5308	1150xZ	0.225	3362	755 xZ	0.070	796	55 xZ	0.063	796	50 xZ
20	10.0	10.0	0.100	1592	160xZ	0.100	1275	130xZ	0.131	875	115xZ	0.288	1910	550xZ	0.241	4777	1150xZ	0.250	3025	755 xZ	0.078	716	55 xZ	0.070	716	50 xZ
25	12.5	12.5	0.130	1274	160xZ	0.130	1020	130xZ	0.164	700	115xZ	0.360	1528	550xZ	0.300	3822	1150xZ	0.312	2420	755 xZ	0.086	573	55 xZ	0.087	573	50 xZ