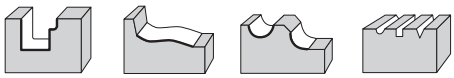
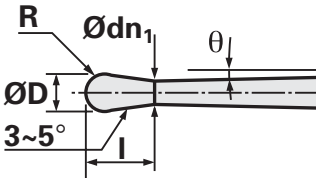
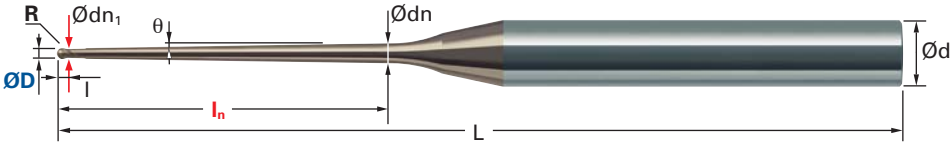
High Speed Deep Precision Machining

V max			HRC		No. of Teeth
High Speed	Semi-Finishing	Finishing	70	Rib. Miniature	2

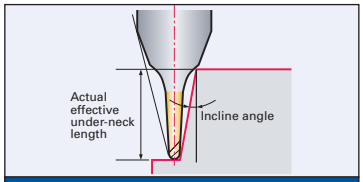






Carbide	TH45+	Rake Angle
Micro Grain	Nano-PVD Coating	Positive

Helix Angle	30°
R	± 0.005
D	0/-0.010
d	h5



Size													Actual Effective Length in Incline angles			
ID Code	Item Code	Stock	Z	R	ØD	θ	l_n	l	Ødn1	dn	L	Ød	0.5°	1°	2°	3°
EP 469	EPDBP-2002-1-04	■	2	0.1	0.2	0.4	1	0.15	0.17	0.182	50	4	1.55	1.72	2.03	2.31
EP 470	EPDBP-2002-1.5-04	■	2	0.1	0.2	0.4	1.5	0.15	0.17	0.189	50	4	2.06	2.28	2.64	2.97
EP 471	EPDBP-2002-2-09	■	2	0.1	0.2	0.9	2	0.15	0.17	0.228	50	4	-	2.81	3.42	3.92
EP 472	EPDBP-2002-2.5-09	■	2	0.1	0.2	0.9	2.5	0.15	0.17	0.244	50	4	-	3.32	4.01	4.54
EP 473	EPDBP-2004-2-04	■	2	0.2	0.4	0.4	2	0.3	0.37	0.394	50	4	2.57	2.82	3.23	3.57
EP 474	EPDBP-2004-3-04	■	2	0.2	0.4	0.4	3	0.3	0.37	0.408	50	4	3.60	3.92	4.40	4.80
EP 475	EPDBP-2004-4-09	■	2	0.2	0.4	0.9	4	0.3	0.37	0.486	50	4	-	4.87	5.72	6.34
EP 476	EPDBP-2004-5-09	■	2	0.2	0.4	0.9	5	0.3	0.37	0.518	50	4	-	5.90	6.85	7.53
EP 477	EPDBP-2006-2-04	■	2	0.3	0.6	0.4	2	0.4	0.57	0.592	50	4	2.42	2.59	2.85	3.08
EP 478	EPDBP-2006-4-04	■	2	0.3	0.6	0.4	4	0.4	0.57	0.620	50	4	4.62	5.00	5.54	5.98
EP 479	EPDBP-2006-6-09	■	2	0.3	0.6	0.9	6	0.4	0.57	0.746	50	4	-	6.92	7.96	8.68
EP 480	EPDBP-2006-8-09	■	2	0.3	0.6	0.9	8	0.4	0.57	0.809	50	4	-	8.96	10.18	10.98
EP 481	EPDBP-2006-10-09	■	2	0.3	0.6	0.9	10	0.4	0.57	0.872	50	4	-	11.01	12.37	13.25
EP 482	EPDBP-2006-12-09	■	2	0.3	0.6	0.9	12	0.4	0.57	0.934	55	4	-	13.05	14.54	15.49
EP 483	EPDBP-2006-15-09	■	2	0.3	0.6	0.9	15	0.4	0.57	1.029	55	4	-	16.10	17.78	18.81
EP 484	EPDBP-2008-4-04	■	2	0.4	0.8	0.4	4	0.5	0.77	0.819	50	4	4.61	4.99	5.53	5.97
EP 485	EPDBP-2008-6-04	■	2	0.4	0.8	0.4	6	0.5	0.77	0.847	50	4	6.66	7.14	7.79	8.30
EP 486	EPDBP-2008-8-09	■	2	0.4	0.8	0.9	8	0.5	0.77	1.006	50	4	-	8.96	10.17	10.97
EP 487	EPDBP-2008-12-09	■	2	0.4	0.8	0.9	12	0.5	0.77	1.131	55	4	-	13.04	14.54	15.48
EP 488	EPDBP-2008-16-09	■	2	0.4	0.8	0.9	16	0.5	0.77	1.257	55	4	-	17.12	18.85	19.90
EP 489	EPDBP-2010-6-04	■	2	0.5	1	0.4	6	0.8	0.94	1.013	50	6	6.82	7.24	7.85	8.34
EP 490	EPDBP-2010-8-04	■	2	0.5	1	0.4	8	0.8	0.94	1.041	55	6	8.85	9.36	10.07	10.62
EP 491	EPDBP-2010-10-09	■	2	0.5	1	0.9	10	0.8	0.94	1.229	55	6	-	11.20	12.44	13.28
EP 492	EPDBP-2010-15-09	■	2	0.5	1	0.9	15	0.8	0.94	1.386	60	6	-	16.28	17.84	18.84
EP 493	EPDBP-2010-20-09	■	2	0.5	1	0.9	20	0.8	0.94	1.543	65	6	-	21.35	23.18	24.68
EP 494	EPDBP-2010-25-09	■	2	0.5	1	0.9	25	0.8	0.94	1.700	70	6	-	26.42	28.48	30.83
EP 495	EPDBP-2010-30-09	■	2	0.5	1	0.9	30	0.8	0.94	1.857	75	6	-	31.49	33.75	36.98
EP 496	EPDBP-2010-35-09	■	2	0.5	1	0.9	35	0.8	0.94	2.015	80	6	-	36.55	39.00	43.12
EP 497	EPDBP-2015-8-04	■	2	0.75	1.5	0.4	8	1.35	1.42	1.513	55	6	8.95	9.41	10.09	10.62
EP 498	EPDBP-2015-10-04	■	2	0.75	1.5	0.4	10	1.35	1.42	1.541	55	6	10.97	11.52	12.28	12.90
EP 499	EPDBP-2015-12-04	■	2	0.75	1.5	0.4	12	1.35	1.42	1.569	55	6	13.00	13.62	14.45	15.47
EP 500	EPDBP-2015-15-09	■	2	0.75	1.5	0.9	15	1.35	1.42	1.849	60	6	-	16.40	17.88	18.86
EP 501	EPDBP-2015-20-09	■	2	0.75	1.5	0.9	20	1.35	1.42	2.006	65	6	-	21.47	23.21	24.72
EP 502	EPDBP-2015-30-09	■	2	0.75	1.5	0.9	30	1.35	1.42	2.320	75	6	-	31.59	33.78	37.01
EP 503	EPDBP-2020-8-04	■	2	1	2	0.4	8	1.7	1.92	2.008	50	6	8.70	9.03	9.50	10.27
EP 504	EPDBP-2020-12-04	■	2	1	2	0.4	12	1.7	1.92	2.064	55	6	13.00	13.61	14.43	15.40
EP 505	EPDBP-2020-16-04	■	2	1	2	0.4	16	1.7	1.92	2.120	60	6	17.05	17.79	18.74	20.54
EP 506	EPDBP-2020-20-09	■	2	1	2	0.9	20	1.7	1.92	2.495	65	6	-	21.48	23.20	24.68
EP 507	EPDBP-2020-25-09	■	2	1	2	0.9	25	1.7	1.92	2.652	65	6	-	26.54	28.50	30.82
EP 508	EPDBP-2020-30-09	■	2	1	2	0.9	30	1.7	1.92	2.809	70	6	-	31.60	33.77	36.97
EP 509	EPDBP-2020-35-09	■	2	1	2	0.9	35	1.7	1.92	2.966	75	6	-	36.66	39.02	x
EP 510	EPDBP-2020-40-09	■	2	1	2	0.9	40	1.7	1.92	3.123	80	6	-	41.72	44.50	x
EP 511	EPDBP-2020-50-09	■	2	1	2	0.9	50	1.7	1.92	3.438	90	6	-	51.82	55.58	x
EP 512	EPDBP-2030-8-04	■	2	1.5	3	0.4	8	2.5	2.86	2.937	50	6	8.87	9.13	9.55	10.33
EP 513	EPDBP-2030-16-04	■	2	1.5	3	0.4	16	2.5	2.86	3.048	55	6	17.25	17.89	18.79	20.60
EP 514	EPDBP-2030-20-04	■	2	1.5	3	0.4	20	2.5	2.86	3.104	60	6	21.29	22.04	23.34	25.74
EP 515	EPDBP-2030-30-09	■	2	1.5	3	0.9	30	2.5	2.86	3.724	70	6	-	31.82	33.84	x
EP 516	EPDBP-2030-40-09	■	2	1.5	3	0.9	40	2.5	2.86	4.038	80	6	-	41.92	x	x
EP 517	EPDBP-2030-50-09	■	2	1.5	3	0.9	50	2.5	2.86	4.352	90	6	-	52.01	x	x
EP 518	EPDBP-2030-60-09	■	2	1.5	3	0.9	60	2.5	2.86	4.667	100	6	-	62.10	x	x

■ = Stock I Germany x = no contact

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