

Räumdorne und Hülsen

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000000	Räum D	27			4,000	5,800	34,000				ja	14,700	17,000	
20000001	Räum D	194			5,000	6,450	32,000				ja	10,500	16,000	
20000002	Räum D	302			4,000	6,100	34,500				ja	12,800	16,800	
20000003	Räum D	195			5,000	8,900	55,000				ja	14,700	24,500	
20000004	Räum D	223			5,100	9,000	25,000				ja	16,000	25,000	
20000005	Räum D	231			5,000	7,000	45,000				ja	15,700	21,100	
20000006	Räum D	295			14,400	25,500	92,000				ja	45,500	57,150	
20000007	Räum D	184			10,000	19,500	70,000				ja	61,400	67,400	
20000008	Räum D	28			8,000	8,200	70,000				ja	12,400	16,500	
20000009	Räum D	1	6,000		3,000	4,000	36,000							
20000010	Räum D	2	8,000		3,000	4,000	36,000							
20000011	Räum D	5	8,000		4,000	6,700	65,000							
20000012	Räum D	5	9,000		4,000	6,700	65,000							
20000013	Räum D	5	10,000		4,000	6,700	65,000							
20000014	Räum D	4	8,000		4,000	5,400	60,000							
20000015	Räum D	3	9,000		4,000	7,000	57,000							
20000016	Räum D	27	17,000		4,000	5,800	34,000				ja	10,700	17,000	
20000017	Räum D	235	11,000		4,000	5,100	100,000							
20000018	Räum D	8	12,000		4,000	7,300	67,000	0,30						
20000019	Räum D	12	12,100		4,000	6,700	77,000							
20000020	Räum D	19	67,900		4,000	7,500	42,000				ja	15,000	67,900	
20000021	Räum D	3	17,000		4,000	7,100	100,000							
20000022	Räum D	302	16,500		4,000	6,100	34,500				ja	8,000	16,500	
20000023	Räum D	269	13,990		4,060	8,700	35,000	0,01		40				
20000024	Räum D	9	10,000		4,100	6,900	86,000							
20000025	Räum D	14	14,000		4,300	9,700	60,000							
20000026	Räum D	303	16,600		4,300	12,450	125,000							
20000027	Räum D	222	12,200		4,400	8,800	88,000	1,20						

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20000028	Räum D	92	11,900		4,900	6,800	80,000			A				
20000029	Räum D	306	10,000		4,920	7,000	60,000	0,1						
20000030	Räum D	318	12,000		5,000	6,200	130,000	0,1						
20000031	Räum D	207	7,350		5,000	4,000	40,000							
20000032	Räum D	6	9,000		5,000	7,000	80,000							
20000033	Räum D	90	10,000		5,000	7,200	80,000			A				
20000034	Räum D	194	16,900		5,000	6,450	32,000				ja	10,500	16,900	
20000035	Räum D	7	11,000		5,000	7,300	100,000			A 30				
20000036	Räum D	7	11,000		5,000	6,800	100,000			A 30				
20000037	Räum D	10	12,000		5,000	8,400	46,000							
20000038	Räum D	11	12,000		5,000	8,500	108,000							
20000039	Räum D	93	12,000		5,000	9,300	80,000							
20000040	Räum D	28	16,500		5,000	8,200	70,000				ja	12,400	16,500	
20000041	Räum D	13	13,000		5,000	9,000	100,000	0,07						
20000042	Räum D	94	13,800		5,000	10,200	80,000			A				
20000043	Räum D	16	14,000		5,000	8,400	100,000							
20000044	Räum D	15	14,000		5,000	8,600	104,000							
20000045	Räum D	17	1430,000		5,000	9,600	75,000							
20000046	Räum D	195	24,500		5,000	8,900	55,000				ja	14,700	24,500	
20000047	Räum D	95	14,800		5,000	10,500	80,000			A				
20000048	Räum D	231	21,100		5,000	7,000	45,000				ja	15,700	21,100	
20000049	Räum D	96	15,700		5,000	10,000	80,000			A				
20000050	Räum D	29	15,860		5,000	8,400	80,000			A				
20000051	Räum D	49	16,000		5,000	8,400	100,000	0,15						
20000052	Räum D	22	16,000		5,000	11,300	100,000							
20000053	Räum D	98	16,000		5,000	10,400	80,000			A				
20000054	Räum D	25	16,600		5,000	8,700	75,000							
20000055	Räum D	99	16,770		5,000	10,600	80,000			A				
20000056	Räum D	34	17,000		5,000	8,100	92,500							

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20000057	Räum D		17,000		5,000	8,600	60,000	0,25		14				
20000058	Räum D		17,000		5,000	8,700	90,000			14				
20000059	Räum D		17,000		5,000	11,000	60,000			14,05				
20000060	Räum D	39	19,000		5,000	10,500	94,000							
20000061	Räum D	44	20,000		5,000	8,500	100,000							
20000062	Räum D	65	24,000		5,000	11,800	85,000							
20000063	Räum D	71	25,000		5,000	7,700	70,000							
20000064	Räum D	193	28,000		5,000	8,900	171,000							
20000065	Räum D	307	16,000		5,000	6,800	60,000							
20000066	Räum D	308	11,000		5,000	7,750		0-0,05						
20000067	Räum D	313	16,000		5,000	8,800	140,000	0,05						
20000068	Räum D	315	14,000		5,000	7,000	130,000	0						
20000069	Räum D	317	13,000		5,000	8,140	100,000	0,02						
20000070	Räum D	320	17,000		5,000	8,700	85,000	0,02						
20000071	Räum D	388	12,000		5,000	8,300	45,000	0,05						
20000072	Räum D	296	12,630		5,040	8,600	63,000							
20000073	Räum D	270	13,520		5,040	10,000	40,000	0,01		40				
20000074	Räum D	9	11,850		5,050	9,000	61,000							
20000075	Räum D	282	41,980				110,000			B				
20000076	Räum D	215	99,600		5,080	12,000	83,000							
20000077	Räum D	18	14,000		5,100	8,100	115,000							
20000078	Räum D		14,900		5,100	9,400	70,000			14,95				
20000079	Räum D	20	14,900		5,100	11,500	100,000							
20000080	Räum D		18,000		5,100	10,000	80,000	0,10		15,75				
20000081	Räum D	223	25,000		5,100	9,000	25,000				ja	16,000	25,000	
20000082	Räum D	309	12,000		5,100	8,460	20,000	0,15						
20000083	Räum D	309	9,000		5,100	6,640	20,000	0,15						
20000084	Räum D		13,970		5,100	9,800	100,000							
20000085	Räum D		11,950		5,080	8,000	49,000							

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20000086	Räum D		14,920		4,000	7,100	70,000	0,2						
20000087	Räum D		24,580		9,200	17,250	110,000	0,15						
20000088	Räum D	91	11,800		5,400	7,100	80,000	0,40		A 15,95				
20000089	Räum D	91	16,000		5,600	8,700	110,000	0,40		A 15,95				
20000090	Räum D	310	18,000		5,800		100,000	0,03						
20000091	Räum D	24	15,800		6,000	11,700	80,000			A				
20000092	Räum D	23	16,000		6,000	11,500	100,000							
20000093	Räum D	26	16,700		6,000	12,200	120,000							
20000094	Räum D	30	16,800		6,000	10,700	80,000			A				
20000095	Räum D	31	17,000		6,000	10,000	80,000							
20000096	Räum D	35	17,800		6,000	13,300	120,000			A				
20000097	Räum D	37	18,000		6,000	11,700	84,000							
20000098	Räum D	36	18,000		6,000	12,000	150,000							
20000099	Räum D	40	19,000		6,000	12,000	100,000							
20000100	Räum D	43	19,070		6,000	11,600	120,000			A				
20000101	Räum D	42	19,750		6,000	12,500	120,000			A				
20000102	Räum D	51	20,000		6,000	11,500	96,000							
20000103	Räum D	47	20,000		6,000	12,000	100,000							
20000104	Räum D	48	20,000		6,000	12,000	120,000			A				
20000105	Räum D	46	20,000		6,000	12,600	100,000							
20000106	Räum D	45	20,000		6,000	12,800	90,000							
20000107	Räum D	45	24,800		6,000	12,800	90,000							
20000108	Räum D		20,000		6,000	13,700	175,000			35				
20000109	Räum D	239	20,900		6,000	13,500	140,000							
20000110	Räum D	102	21,820		6,000	13,400	120,000			A				
20000111	Räum D	58	22,000		6,000	13,600	120,000			A				
20000112	Räum D		30,000		6,000	10,700	160,000			30				
20000113	Räum D	108	30,000		6,000	12,800	120,000			A				
20000114	Räum D	304	1398,000		6,000	9,200	103,000	0,5						

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20000115	Räum D	311	20,000		6,000	11,700	100,000	0						
20000116	Räum D	312	22,000		6,000	12,000	100,000	0						
20000117	Räum D	314	14,000		6,000	11,750	45,000	0						
20000118	Räum D	316	12,000		6,000	8,000	150,000	0						
20000119	Räum D	319	15,000		6,000	8,600	150,000	0						
20000120	Räum D	321	19,450		6,000	11,500	110,000	0,03						
20000121	Räum D	322	14,000		6,000	8,300	150,000	0,05						
20000122	Räum D	323	16,000		6,000	8,600	150,000	0						
20000123	Räum D	324	16,000		6,000	11,900	135,000	0						
20000124	Räum D	325	16,000		6,000	7,500	150,000	0						
20000125	Räum D	327	21,550		6,000	13,800	105,000	0,1						
20000126	Räum D	333	29,500		6,000	17,000	110,000	0						
20000127	Räum D	350	17,000		6,000	11,700	110,000	0,15						
20000128	Räum D	136	38,000		6,050	12,400	184,000							
20000129	Räum D	271	19,630		6,050	17,250	40,000	0,11		40				
20000130	Räum D		19,900		6,100	12,500	95,000			19,9				
20000131	Räum D		20,000		6,100	12,100	70,000			20				
20000132	Räum D	100	21,800		6,100	13,600	112,000			A				
20000133	Räum D	55	22,000		6,100	13,100	100,000							
20000134	Räum D		22,000		6,100	14,300	160,000	1,00		30				
20000135	Räum D	97	14,990		6,100	11,200	80,000	0,10		A				
20000136	Räum D	97	19,000		6,200	12,300	110,000	0,10		18,9				
20000137	Räum D	387	18,900		6,100	12,200	115,000	0,05						
20000138	Räum D	217	35,000		6,200	13,100	140,000							
20000139	Räum D	76	26,900		6,400	12,200	100,000							
20000140	Räum D	21	14,980		7,000	8,900	95,000							
20000141	Räum D	33	17,000		7,000	11,600	98,000	0,20						
20000142	Räum D		50,000		7,000	12,700								
20000143	Räum D		50,000		7,000	13,000								

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20000144	Räum D		14,700		7,100	9,900	102,000							
20000145	Räum D	41	19,000		8,000	12,500	78,000							
20000146	Räum D	52	20,000		8,000	14,000	116,000							
20000147	Räum D	53	21,000		8,000	16,000	160,000			A				
20000148	Räum D	54	21,000		8,000	16,500	110,000							
20000149	Räum D	56	22,000		8,000	16,000	100,000							
20000150	Räum D	226	22,000		8,000	16,100	29,000							
20000151	Räum D	226	26,000		8,000	17,500	67,000							
20000152	Räum D	57	22,000		8,000	16,300	100,000							
20000153	Räum D	61	22,000		8,000	16,500	175,000			A				
20000154	Räum D	60	22,000		8,000	16,500	230,000			A				
20000155	Räum D	59	22,000		8,000	16,500	260,000			A				
20000156	Räum D	101	23,800		8,000	16,700	150,000			A				
20000157	Räum D	63	23,900		8,000	16,000	99,000							
20000158	Räum D	52	24,000		8,000	16,000	101,000							
20000159	Räum D	66	24,000		8,000	16,300	100,000							
20000160	Räum D	67	24,800		8,000	16,300	150,000			A				
20000161	Räum D	68	24,800		8,000	17,000	150,000			A				
20000162	Räum D	220	25,000		8,000	14,600	54,000							
20000163	Räum D	103	25,000		8,000	16,500	150,000			A				
20000164	Räum D	104	25,800		8,000	16,200	150,000			A				
20000165	Räum D	74	26,000		8,000	14,400	123,000	0,2						
20000166	Räum D	105	26,800		8,000	13,100	150,000			A				
20000167	Räum D	77	27,000		8,000	13,200	150,000			A				
20000168	Räum D	78	27,800		8,000	15,600	152,000	0,10						
20000169	Räum D	87	27,800		8,000	16,600	147,000							
20000170	Räum D	79	27,800		8,000	16,600	150,000			A				
20000171	Räum D	81	28,000		8,000	15,900	100,000							
20000172	Räum D	80	28,000		8,000	15,900	154,000							

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20000173	Räum D	82	28,600		8,000	16,800	123,000							
20000174	Räum D	85	29,700		8,000	16,500	90,000			30				
20000175	Räum D	107	29,600		8,000	18,400	125,000							
20000176	Räum D		29,700		8,000	20,100	180,000	0,02		A				
20000177	Räum D	268	30,000		8,000	15,000	100,000							
20000178	Räum D	224	30,000		8,000	15,800	100,000							
20000179	Räum D	238	30,000		8,000	15,800	150,000							
20000180	Räum D	240	30,000		8,000	16,000	85,000							
20000181	Räum D	244	30,000		8,000	17,300	130,000							
20000182	Räum D	110	31,600		8,000	16,100	180,000			A				
20000183	Räum D	111	31,800		8,000	22,700	180,000			A				
20000184	Räum D	112	31,900		8,000	16,000	127,000							
20000185	Räum D	117	32,000		8,000	22,200	175,000			A				
20000186	Räum D	216	33,800		8,000	22,400	180,000	0,4		A				
20000187	Räum D	124	34,800		8,000	22,500	180,000			A				
20000188	Räum D	129	35,000		8,000	22,500	180,000			A				
20000189	Räum D	131	35,850		8,000	22,500	180,000			A				
20000190	Räum D	135	38,000		8,000	22,500	180,000			A				
20000191	Räum D	159	45,000		8,000	15,300	112,000							
20000192	Räum D		24,950		8,050	14,750	105,000	0,2						
20000193	Räum D		23,800		8,100	16,800	150,000			25				
20000194	Räum D	273	30,000		8,000	18,500	200,000	0		A				
20000195	Räum D	326	17,500		8,000	11,500	110,000	0,03						
20000196	Räum D	328	22,000		8,000	11,700	170,000	0,05						
20000197	Räum D	329	20,000		8,000	11,600	170,000	0						
20000198	Räum D	330	18,000		8,000	11,500	170,000	0						
20000199	Räum D	331	20,000		8,000	10,200	170,000	0,15						
20000200	Räum D	334	30,000		8,000	16,500	190,000	0,06						
20000201	Räum D	335	28,000		8,000	16,800	190,000	0,1						

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20000202	Räum D	276	45,970		8,020	19,000	40,000	0,01		A				
20000203	Räum D	332	25,000		8,060	16,000	190,000	0,05						
20000204	Räum D	70	24,000		8,100	15,500	153,000							
20000205	Räum D	24	24,600		8,100	17,800	115,000	0,20		24,8				
20000206	Räum D	73	24,700		8,100	16,000	155,000	0,60						
20000207	Räum D	73	25,000		8,100	15,800	152,000	0,30						
20000208	Räum D	73	25,000		8,100	15,900	155,000	0,20		30				
20000209	Räum D	89	25,000		8,100	16,000	99,000							
20000210	Räum D	75	26,000		8,100	16,300	120,000							
20000211	Räum D	225	28,000		8,100	16,400	120,000							
20000212	Räum D	228	31,960		8,100	16,150	155,000	0,02						
20000213	Räum D	236	32,000		8,100	16,000	160,000							
20000214	Räum D	171	54,900		8,100	17,500	95,000							
20000215	Räum D	84	30,000		8,150	20,400	150,000							
20000216	Räum D	88	30,000		8,150	16,000	118,000	0,20						
20000217	Räum D	88	22,000		8,200		160,000							
20000218	Räum D		22,000		8,200	160,000	30,000							
20000219	Räum D		31,900		8,300	16,000	160,000			32				
20000220	Räum D	106	28,000		8,100	16,800	150,000			A				
20000221	Räum D	106	29,900		8,100	16,300	155,000			30				
20000222	Räum D	69	24,800		10,000	19,000	128,000							
20000223	Räum D	72	25,000		10,000	20,100	102,000			A				
20000224	Räum D	86	29,920		10,000	21,000	150,000							
20000225	Räum D	113	32,000		10,000	19,800	160,000			A				
20000226	Räum D	241	32,000		10,000	20,000	150,000							
20000227	Räum D	241	34,940		10,000	20,000	150,000							
20000228	Räum D	123	34,700		10,000	20,000	100,000			A				
20000229	Räum D	127	34,850		10,000	20,000	120,000							
20000230	Räum D	163	47,800		10,000	23,600	180,000			A				

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000231	Räum D	128	34,930		10,000	20,000	180,000							
20000232	Räum D	136	38,000		10,000	19,200	184,000							
20000233	Räum D	219	25,000		10,000	17,700	90,000							
20000234	Räum D	219	25,900		10,000	18,200	90,000							
20000235	Räum D	242	31,700		10,000	20,000	175,000							
20000236	Räum D	242	32,000		10,000	19,600	155,000							
20000237	Räum D	114	32,000		10,000	19,800	150,000							
20000238	Räum D	122	34,700		10,000	22,200	153,000	0,30						
20000239	Räum D	218	34,900		10,000	19,900	140,000							
20000240	Räum D	246	45,000		10,000	20,000	150,000			B				
20000241	Räum D	245	52,400		10,000	20,300	300,000			B				
20000242	Räum D	265	54,700		10,000	24,900	180,000			B				
20000243	Räum D	184	67,000		10,000	19,500	70,000				ja	34,000	67,000	
20000244	Räum D	274	31,980		10,000	21,500	168,000	0		A				
20000245	Räum D	337	24,000		10,000	15,500	190,000	0						
20000246	Räum D	338	25,000		10,000	15,500	190,000	0,07						
20000247	Räum D	339	26,000		10,000	15,500	190,000	0						
20000248	Räum D	240	30,000		10,000	15,800	190,000	0						
20000249	Räum D	341	29,870		10,000	16,200	190,000	0,05						
20000250	Räum D	342	35,000		10,000	20,200	130,000	0						
20000251	Räum D	343	28,000		10,000	19,950	170,000	0						
20000252	Räum D	344	28,000		10,000	15,600	190,000	0						
20000253	Räum D	275	37,980		10,020	23,000	130,000	0,01		A				
20000254	Räum D	336	22,050		10,050	15,300	190,000	0,1						
20000255	Räum D	272	32,000		10,090	24,100	90,000	0		40				
20000256	Räum D	137	38,000		10,100	19,800	151,000							
20000257	Räum D	115			31,980	10,100	19,900	185		0,10				
20000258	Räum D	234	31,990		10,100	19,900	189,000			A				
20000259	Räum D	183	32,000		10,100	19,800	160,000			A				

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000260	Räum D		32,000		10,100	19,900	100,000			32				
20000261	Räum D	119	33,900		10,100	19,400	150,000							
20000262	Räum D	139	38,000		10,100	19,740	215,000	0,20						
20000263	Räum D	157	45,000		10,100	21,000	111,000							
20000264	Räum D	186	65,000		10,100	20,100	155,000							
20000265	Räum D	213	71,800		10,100	21,700	90,000	0,20						
20000266	Räum D	266	71,900		10,100	20,500	100,000							
20000267	Räum D	50	20,000		10,200	15,400	150,000							
20000268	Räum D	230	22,400		10,200	14,200	93,000							
20000269	Räum D	83	30,000		10,200	20,000	152,000			A				
20000270	Räum D	83	35,000		10,200	19,000	120,000			35				
20000271	Räum D		32,000		10,300	20,000	170,000	0,50		30				
20000272	Räum D	243	32,000		10,700	19,000	65,000							
20000273	Räum D	116	31,800		12,000	24,500	170,000							
20000274	Räum D	118	33,800		12,000	23,600	180,000			A				
20000275	Räum D	121	34,000		12,000	24,000	180,000			A				
20000276	Räum D	125	34,800		12,000	24,700	180,000							
20000277	Räum D	130	35,000		12,000	24,000	180,000			A				
20000278	Räum D	132	35,800		12,000	23,800	180,000			A				
20000279	Räum D	133	36,000		12,000	22,800	180,000			A				
20000280	Räum D	134	37,800		12,000	23,400	180,000			A				
20000281	Räum D	138	38,000		12,000	23,700	180,000			A				
20000282	Räum D	142	39,600		12,000	24,000	150,000							
20000283	Räum D	140	39,800		12,000	24,000	180,000			A				
20000284	Räum D	144	39,800		12,000	24,000	180,000			A				
20000285	Räum D		40,000		12,000	23,000	180,000			A				
20000286	Räum D	151	42,000		12,000	24,200	180,000			A				
20000287	Räum D	153	42,000		12,000	26,200	110,000	0,10						
20000288	Räum D	156	44,800		12,000	24,000	180,000			A				

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000289	Räum D	163	47,800		12,000	23,700	180,000							
20000290	Räum D	164	48,000		12,000	23,600	180,000			A				
20000291	Räum D	164	54,000		12,000	25,700	90,000			54				
20000292	Räum D	345	40,000		12,000	23,500	170,000	0,1						
20000293	Räum D	346	30,000		12,000	21,200	250,000	0						
20000294	Räum D	227	59,700		12,050	23,900	210,000							
20000295	Räum D	120	34,000		12,100	23,000	150,000							
20000296	Räum D	150	39,800		12,100	25,000	150,000							
20000297	Räum D	145	39,900		12,100	24,500	160,000							
20000298	Räum D		39,900		12,100	25,600	180,000			C				
20000299	Räum D		40,000		12,100	23,500	95,000			40				
20000300	Räum D	148	40,000		12,100	25,000	190,000							
20000301	Räum D	148	41,900		12,100	25,200	190,000			42				
20000302	Räum D	389	39,700		12,100	29,300	150,000	0,03						
20000303	Räum D	300	40,000		12,150	25,000	75,000							
20000304	Räum D	143	39,900		12,200	24,400	155,000							
20000305	Räum D	297	41,900		12,200	25,500	185,000	0						
20000306	Räum D	277	47,980		13,980	29,000	150,000	0,02		A				
20000307	Räum D	109	29,700		14,000	20,400	122,500							
20000308	Räum D	141	39,800		14,000	25,000	180,000			A				
20000309	Räum D	149	40,000		14,000	25,300	180,000			A				
20000310	Räum D	152	41,800		14,000	25,000	200,000			50				
20000311	Räum D	152	42,000		14,000	25,000	180,000			A				
20000312	Räum D	154	44,300		14,000	28,200	97,000							
20000313	Räum D	155	44,600		14,000	28,000	180,000			A				
20000314	Räum D	160	45,000		14,000	26,000	215,000							
20000315	Räum D	165	48,000		14,000	24,800	120,000							
20000316	Räum D	165	49,900		14,000	26,400	185,000	0,15		C				
20000317	Räum D	237	50,000		14,000	30,000	205,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000318	Räum D	260	81,600		14,000	27,000	175,000							
20000319	Räum D	347	60,000		14,000	18,700	250,000	0,1						
20000320	Räum D	348	35,870		14,000	19,000	250,000	0						
20000321	Räum D	349	40,000		14,000	27,700	175,000	0,03						
20000322	Räum D	351	34,870		14,000	19,300	250,000	0,05						
20000323	Räum D	352	35,000		14,000	17,960	19,700	0						
20000324	Räum D	352	34,000		14,000	17,460	250,000	0						
20000325	Räum D	353	31,870		14,000	19,000	250,000	0						
20000326	Räum D	354	35,000		14,000	19,000	250,000	0						
20000327	Räum D	355	35,870		14,030	19,300	250,000	0						
20000328	Räum D	301	50,000		14,050	28,500	20,000							
20000329	Räum D		44,900		14,100	25,200	180,000			C				
20000330	Räum D	158	45,000		14,100	28,000	153,000							
20000331	Räum D	166	50,000		14,100	28,000	156,000							
20000332	Räum D	229	50,000		14,100	29,700	215,000							
20000333	Räum D	146	40,000		14,200	27,600	132,000	0,20						
20000334	Räum D	208	90,000		14,200	25,000	142,000	0,10						
20000335	Räum D	208	90,000		14,200	25,000	142,000	0,10						
20000336	Räum D	295	57,150		14,400	25,500	92,000				ja	45,500	57,150	
20000337	Räum D	283	55,000		15,980	34,300	190,000	0		125				
20000338	Räum D	267	50,000		16,000	31,500	105,000							
20000339	Räum D	267	102,000		16,000	31,500	105,000							
20000340	Räum D	167	50,000		16,000	32,400	138,000							
20000341	Räum D	176	55,000		16,000	33,700	145,000	0,50						
20000342	Räum D	264	57,700		16,000	41,500	195,000							
20000343	Räum D		58,000		16,000	32,000	200,000							
20000344	Räum D	252	61,500		16,000	33,000	135,000							
20000345	Räum D	248	62,000		16,000	33,000	140,000							
20000346	Räum D	247	38,000		16,000	33,000	205,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000347	Räum D	263	74,600		16,000	33,500	210,000							
20000348	Räum D	261	75,000		16,000	34,000	195,000							
20000349	Räum D	262	84,500		16,000	32,800	200,000							
20000350	Räum D	255	84,600		16,000	33,000	200,000							
20000351	Räum D	256	89,600		16,000	34,000	175,000							
20000352	Räum D	258	90,000		16,000	33,500	210,000							
20000353	Räum D	249	104,200		16,000	34,000	200,000							
20000354	Räum D	257	104,300		16,000	34,000	200,000							
20000355	Räum D	356	38,000		16,000	21,600	270,000	0,03						
20000356	Räum D	358	38,870		16,000	23,000	270,000	0,05						
20000357	Räum D	360	42,000		16,000	23,200	270,000	0,03						
20000358	Räum D	364	49,950		16,000	28,200	300,000	0,05						
20000359	Räum D	365	55,900		16,000	32,000	230,000	0						
20000360	Räum D	357	40,000		16,020	23,000	270,000	0,04						
20000361	Räum D	359	40,000		16,020	20,900	270,000	0						
20000362	Räum D		39,900		16,100	33,000	185,000	0,10		C				
20000363	Räum D	161	44,900		16,100	31,800	186,000							
20000364	Räum D	169	52,000		16,100	32,000	145,000							
20000365	Räum D	175	55,000		16,100	37,000	210,000							
20000366	Räum D	168	51,900		16,200	33,500	97,000							
20000367	Räum D	170	54,400		16,200	31,900	145,000							
20000368	Räum D	170	54,800		16,200	32,000	205,000			B				
20000369	Räum D	172	55,000		16,200	32,700	200,000	0,20						
20000370	Räum D	173	55,000		16,200	36,800	210,000	0,30						
20000371	Räum D	299	50,000		180,000	30,000	160,000	0,20		50				
20000372	Räum D	390	70,000		18,000									
20000373	Räum D	177	57,000		18,000	33,000	220,000							
20000374	Räum D	179	59,500		18,000	32,000	115,000							
20000375	Räum D	180	60,000		18,000	36,000	180,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000376	Räum D		65,000		18,000	31,000								
20000377	Räum D		65,000		18,000	31,300								
20000378	Räum D	189	65,000		18,000	31,500	155,000							
20000379	Räum D	185	65,000		18,000	32,000	105,000	0,40						
20000380	Räum D	188	65,000		18,000	35,400	155,000	0,20						
20000381	Räum D	199	29,900		18,000	39,000	150,000	0,30						
20000382	Räum D	390	70,000		18,000	37,000								
20000383	Räum D	198	70,000		18,000	37,500	155,000	0,15						
20000384	Räum D	202	74,900		18,000	35,700	225,000	0,15						
20000385	Räum D	207	85,000		18,000	31,500	170,000							
20000386	Räum D	279	58,000		18,000	36,000	220,000	0,04		A				
20000387	Räum D	281	60,000		18,000	36,000	200,000	0,02		A				
20000388	Räum D	299			18,000									
20000389	Räum D	361	44,870		18,000	27,000	290,000							
20000390	Räum D	363	45,000		18,000	24,200	290,000	0,1						
20000391	Räum D	366	48,000		18,000	27,300	295,000	0,3						
20000392	Räum D	367	49,980		18,000	32,000	310,000	0						
20000393	Räum D	369	59,880		18,000	36,000	310,000	0						
20000394	Räum D	370	62,000		18,000	36,000	310,000	0						
20000395	Räum D	371	60,000		18,000	35,300	310,000	0						
20000396	Räum D	278	59,680		18,020	39,000	240,000	0		A				
20000397	Räum D	368	53,300		18,030	27,200	290,000	0						
20000398	Räum D	224	60,000		18,100	32,900	210,000	0,20		B				
20000399	Räum D	182	60,000		18,100	35,600	150,000							
20000400	Räum D	181	60,000		18,100	35,500	100,000	0,30		B				
20000401	Räum D	181	65,000		18,100	32,700	215,000			B				
20000402	Räum D	181	59,900		18,200	33,000	205,000			B				
20000403	Räum D	183	60,000		18,200	35,800	180,000	0,20						
20000404	Räum D	294	55,470		19,980	25,260	91,000				ja	45,600	55,470	

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000405	Räum D	197	69,900		20,000	32,000	165,000							
20000406	Räum D	201	69,900		20,000	32,200	1555,000							
20000407	Räum D	192	70,000		20,000	32,100	170,000							
20000408	Räum D	200	70,000		20,000	32,200	185,000	0,30						
20000409	Räum D	205	76,000		20,000	32,000	275,000							
20000410	Räum D	250	99,500		20,000	46,000	100,000							
20000411	Räum D	362	45,000		20,000	30,600	300,000			0				
20000412	Räum D	372	50,000		20,000	31,000	300,000			0				
20000413	Räum D	373	50,000		20,000	28,400	300,000			0				
20000414	Räum D	374	60,000		20,000	37,400	320,000			0,1				
20000415	Räum D	375	54,500		20,000	31,400	300,000	0,03						
20000416	Räum D	376	48,000		20,000	31,000	300,000	0						
20000417	Räum D	377	48,000		20,000	31,000	300,000	0						
20000418	Räum D	378	52,000		20,000	21,000	300,000	0,05						
20000419	Räum D	379	53,000		20,000	31,000	300,000	0						
20000420	Räum D	288	75,000		20,020	44,000	190,000	0,02		125				
20000421	Räum D	280	74,850		20,040	44,000	175,000	0,05		A, B				
20000422	Räum D	187	64,900		20,100	33,200	100,000							
20000423	Räum D	305	69,980		20,100	32,300	115,000	0,5						
20000424	Räum D	298	69,800		20,200	32,700	145,000	0,10		D				
20000425	Räum D	190	69,900		20,200	32,300	180,000	0,30						
20000426	Räum D	298			20,200									
20000427	Räum D	232	74,920		20,300	34,000	240,000							
20000428	Räum D	210	99,800		20,300	31,800	153,000							
20000429	Räum D	191	70,000		20,400	43,300	100,000							
20000430	Räum D	289	74,700		21,980	44,000	250,000	0,02		125				
20000431	Räum D	204	84,920		22,000	42,500	150,000	0,1						
20000432	Räum D	380	59,450		22,000	36,100	310,000	0,07						
20000433	Räum D	382	60,000		22,000	32,150	310,000	0						

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000434	Räum D	383	62,000		22,000	35,150	310,000	0						
20000435	Räum D	384	36,000		22,000	38,700	220,000	0						
20000436	Räum D	381	59,900		22,050	35,300	310,000	0						
20000437	Räum D	254	70,000		22,100	46,000	140,000							
20000438	Räum D	203	79,900		22,200	42,300	148,000	0,20						
20000439	Räum D	268	60,100		24,170		105,000							
20000440	Räum D	290	95,000		24,970	46,000	240,000	0		125				
20000441	Räum D	284	90,000		24,980	50,000	230,000	0,02		125				
20000442	Räum D	285	89,970		25,000	48,000	130,000	0,02		125				
20000443	Räum D	385	60,000		25,000	36,000	310,000	0						
20000444	Räum D	196	75,500		25,100	41,000	220,000							
20000445	Räum D	214	89,700		25,200	40,300	160,000	1,00						
20000446	Räum D	214	89,700		25,200	39,800	160,000	1,00						
20000447	Räum D	211	89,200		25,300	41,700	140,000							
20000448	Räum D	253	95,000		25,400	42,000	145,000	0,30						
20000449	Räum D	291	100,000		27,980	53,000	240,000	0,05		125				
20000450	Räum D	209	94,800		28,000	48,000	255,000							
20000451	Räum D	386	150,000		28,000	50,000	130,000							
20000452	Räum D	233	110,000		28,100	41,800	175,000							
20000453	Räum D	259	105,000		28,200	41,700	150,000							
20000454	Räum D	251	100,000		28,700	42,000	150,000	1,00						
20000455	Räum D	286	124,580		31,980	54,000	170,000			125				
20000456	Räum D	293	120,000		31,980	57,000	240,000	0		125				
20000457	Räum D	212	80,000		32,100	43,600	160,000	1,00						
20000458	Räum D	212	115,000		32,100	43,600	155,000	1,00						
20000459	Räum D	212	115,000		32,100	43,600	155,000	1,00						
20000460	Räum D	212	115,000		32,100	43,600	155,000	1,00						
20000461	Räum D	212	130,000		32,100	43,600	155,000	1,00						
20000462	Räum D	292	117,700		32,100	58,000	175,000			125				

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000463	Räum D	287	124,600		32,150	55,000	170,000			125				
20000464	Räum D	208	90,000		36,200	47,000	143,000							
20000465	Räum D	208	135,000		36,200	47,000	138,000							
20000466	Räum D	208	140,000		36,200	47,000	138,000							
20000467	Räum D	208	145,000		36,200	47,000	138,000							
20000468	Räum D	208	150,000		36,200	47,000	138,000							
20000469	Hülse		23,700	20,000			72,500							
20000470	Hülse	17	23,800	18,000			80,000							
20000471	Hülse		33,600	31,950			87,500							
20000472	Hülse		49,900											
20000473	Hülse	83	50,400	39,900			55,000							
20000474	Hülse	71	45,000	18,000	18,000		55,000							
20000475	Hülse		50,000	39,900	1,800		53,000							ja
20000476	Hülse		50,000	39,900	1,800		53,000							ja
20000477	Hülse	3	12,450	10,100	2,100		55,000							
20000478	Hülse		15,000	8,100	2,100		30,000							ja
20000479	Hülse		24,700	20,600	2,800		45,000							
20000480	Hülse	2	11,900	7,970	3,000		36,000							
20000481	Hülse		9,850	8,020	3,500		32,000							
20000482	Hülse	1	9,950	8,000	3,500		34,500							
20000483	Hülse	31	24,700	20,800	3,500		45,000							
20000484	Hülse		43,600	40,000	3,500		103,000							
20000485	Hülse		11,900	7,970	3,600		31,000							
20000486	Hülse		49,620	22,060	18,000		60,000							ja
20000487	Hülse		49,620	22,060	18,000		60,000							ja
20000488	Hülse		14,000	11,950	3,700		40,000							
20000489	Hülse	8	14,000	11,950	3,700		40,000							
20000490	Hülse	12	16,350	11,900	4,000		17,000				ja	13,600	16,350	
20000491	Hülse	6	11,000	10,200	4,400		40,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000492	Hülse		34,700	27,900	4,400		25,000							
20000493	Hülse	66	34,700	27,900	4,500		27,000							
20000494	Hülse		34,700	27,900	4,500		27,000							ja
20000495	Hülse		22,000	12,000	4,800		50,000							
20000496	Hülse		15,000	14,000	5,000		40,000							
20000497	Hülse		17,000	12,000	5,000		45,000							
20000498	Hülse	11	14,000	12,000	5,000		45,000							
20000499	Hülse	18	22,000	12,000	5,000		50,000							
20000500	Hülse		22,060	12,260	5,000		35,000							ja
20000501	Hülse	23	28,600	25,100	5,000		45,000							
20000502	Hülse		22,130	12,060	5,060		37,400							ja
20000503	Hülse		15,550	13,100	5,100		20,000				ja	13,900	15,550	
20000504	Hülse	9	15,550	13,100	5,100		20,000				ja	13,900	15,550	
20000505	Hülse		18,000	14,000	5,500		20,000							
20000506	Hülse	13	18,000	14,000	5,500		20,000							
20000507	Hülse		19,900	17,000	6,000		20,000							
20000508	Hülse	16	19,900	17,000	6,000		20,000							
20000509	Hülse	25	23,900	22,000	6,000		60,000							
20000510	Hülse		25,000	20,000	6,000		20,000							
20000511	Hülse	21	25,800	20,400	6,000		40,000							
20000512	Hülse	53	37,450	32,200	6,000		40,000							
20000513	Hülse		40,700	33,000	6,000		60,000							
20000514	Hülse	54	16,500	14,700	6,200		55,000							
20000515	Hülse	5	16,500	14,700	6,200		55,000							
20000516	Hülse	10	21,500	19,000	6,200		85,000							
20000517	Hülse		26,100	20,250	6,400		60,000				ja	25,900	26,100	
20000518	Hülse	4	13,900	13,200	6,500		80,000							
20000519	Hülse		24,800	21,800	6,700		60,000							
20000520	Hülse		14,150	13,250	7,000		80,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000521	Hülse		18,900	15,900	7,000		75,000							
20000522	Hülse	14	19,650	17,100	7,000		40,000							
20000523	Hülse	15	19,800	17,000	7,000		65,000							
20000524	Hülse		20,000	17,000	7,000		55,000							
20000525	Hülse		21,650	19,870	7,000		50,000							
20000526	Hülse		21,900	20,100	7,000		40,000							
20000527	Hülse	29	21,900	20,100	7,000		40,000							
20000528	Hülse		23,900	22,000	7,000		60,000							
20000529	Hülse	30	24,800	21,800	7,000		60,000							
20000530	Hülse	28	25,700	17,000	7,000		40,000							
20000531	Hülse	20	26,100	20,250	7,000		60,000							
20000532	Hülse		29,900	21,800	7,000		65,000							
20000533	Hülse		34,700	22,000	7,000		60,000							ja
20000534	Hülse		19,650	17,000	7,200		40,000							
20000535	Hülse		21,830	13,060	7,270		45,000							ja
20000536	Hülse		17,000	15,100	7,300		40,000							
20000537	Hülse	7	18,900	15,900	7,300		75,000							
20000538	Hülse	24	24,900	22,000	7,500		75,000							
20000539	Hülse		60,000	30,000	7,600		70,000							ja
20000540	Hülse		24,900	22,000	7,700		75,000							
20000541	Hülse	38	33,000	29,000	7,700		50,000		0,850					
20000542	Hülse		31,900	24,000	7,900		40,000							
20000543	Hülse	32	21,500	18,800	8,000		80,000							
20000544	Hülse	61	23,600	20,000	8,000		75,000							
20000545	Hülse	35	27,800	23,000	8,000		80,000							
20000546	Hülse		29,000	24,000	8,000		60,000							
20000547	Hülse	22	29,000	24,000	8,000		60,000							
20000548	Hülse		29,500	25,100	8,000		65,000							
20000549	Hülse		30,000	20,000	8,000		29,600							ja

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000550	Hülse	26	31,900	24,000	8,000		40,000							
20000551	Hülse		39,900	30,000	8,000		60,000							ja
20000552	Hülse	68	41,000	38,000	8,000		25,000							
20000553	Hülse		61,850	30,000	8,000		70,000							ja
20000554	Hülse		61,850	30,010	8,000		70,000							ja
20000555	Hülse	84	49,800	38,100	8,100		65,000							
20000556	Hülse		49,800	38,000	8,200		60,000							ja
20000557	Hülse		24,900	23,180	8,250		90,000							ja
20000558	Hülse		39,930	22,000	8,400		100,550							ja
20000559	Hülse		47,900	23,100	8,400		62,000							ja
20000560	Hülse	34	22,400	19,000	8,500		50,000							
20000561	Hülse		27,600	22,900	8,500		40,000				ja	23,800	27,600	
20000562	Hülse	19	27,650	23,000	8,550		40,000				ja	23,700	27,650	
20000563	Hülse		33,900	22,800	8,900		100,000							ja
20000564	Hülse	33	22,000	19,000	9,000		60,000							
20000565	Hülse	63	33,600	31,950	9,000		90,000		0,700					
20000566	Hülse		37,600	28,000	9,000		50,000							ja
20000567	Hülse		41,000	38,000	9,000		25,000							
20000568	Hülse		41,500	23,000	9,000		95,000							ja
20000569	Hülse		44,000	38,000	9,000		30,000							
20000570	Hülse	56	44,000	38,100	9,000		30,000							
20000571	Hülse		84,750	71,800	9,000		60,000							
20000572	Hülse		22,000	19,000	9,200		60,000							
20000573	Hülse	46	37,350	31,850	9,500		90,000							
20000574	Hülse		21,700	18,850	9,600		80,000							
20000575	Hülse	37	29,500	25,100	9,900		65,000							
20000576	Hülse		41,800	37,870	9,900		190,000							ja
20000577	Hülse	62	24,800	24,000	10,000		60,000		0,400					
20000578	Hülse	40	29,850	25,150	10,000		60,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000579	Hülse		30,000	24,000	10,000		30,000							ja
20000580	Hülse		30,000	25,000	10,000		20,000							
20000581	Hülse	41	30,000	25,000	10,000		20,000							
20000582	Hülse	50	31,900	25,000	10,000		95,000							
20000583	Hülse		32,000	25,000	10,000		90,000							
20000584	Hülse		35,900	32,000	10,000		63,500							
20000585	Hülse		35,970	25,130	10,000		15,000							
20000586	Hülse	74	35,970	25,130	10,000		15,000							
20000587	Hülse		37,700	32,000	10,000		95,000							ja
20000588	Hülse		37,800	32,180	10,000		90,000							ja
20000589	Hülse		39,700	35,250	10,000		60,000							ja
20000590	Hülse		40,000	32,070	10,000		42,000							
20000591	Hülse	43	40,000	32,050	10,000		40,000							
20000592	Hülse	59	41,800	38,000	10,000		190,000							
20000593	Hülse		42,000	28,180	10,000		100,000							ja
20000594	Hülse	69	42,000	38,300	10,000		100,000							
20000595	Hülse		45,000	34,500	10,000		60,000							
20000596	Hülse	80	54,680	38,050	10,000		70,000							
20000597	Hülse		54,680	38,000	10,080		73,000							
20000598	Hülse		18,800	18,050	10,600		45,000							
20000599	Hülse		35,000	32,000	10,600		55,000							
20000600	Hülse		29,900	23,940	10,900		65,000							
20000601	Hülse	27	28,000	24,000	11,000		40,000							
20000602	Hülse		30,000	24,000	11,000		30,000							ja
20000603	Hülse	64	33,000	31,400	11,000		31,000		0,750					
20000604	Hülse	65	33,000	31,500	11,000		35,000		0,750					
20000605	Hülse	45	35,100	32,000	11,000		70,000							
20000606	Hülse		36,200	32,300	11,000		50,000							
20000607	Hülse	44	36,200	32,300	11,000		50,000							

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000608	Hülse		43,220	24,050	11,000		40,000							ja
20000609	Hülse		49,300	25,000	11,000		41,000							ja
20000610	Hülse		49,900	38,000	11,000		80,000							ja
20000611	Hülse		44,950	23,900	11,200		40,000							ja
20000612	Hülse	52	41,900	40,000	11,300		65,000		0,900					
20000613	Hülse		60,000	25,030	11,300		40,000							ja
20000614	Hülse		28,000	23,900	11,500		40,000							
20000615	Hülse		34,950	24,000	11,600		40,000							
20000616	Hülse		84,880	54,000	11,600		40,000							ja
20000617	Hülse	49	34,950	24,000	11,800		40,000							
20000618	Hülse	39	34,950	24,000	11,800		40,000		0,850					
20000619	Hülse		34,600	32,000	12,000		60,000							
20000620	Hülse		39,900	33,900	12,000		80,000							
20000621	Hülse		41,900	40,000	12,000		45,000							
20000622	Hülse		42,000	40,000	12,000		20,000							
20000623	Hülse		42,000	40,000	12,000		55,000							
20000624	Hülse	73	42,000	40,050	12,000		20,000							
20000625	Hülse	58	43,600	40,000	12,000		100,000							
20000626	Hülse	78	54,750	40,000	12,000		35,000							
20000627	Hülse		54,850	40,000	12,000		35,000							
20000628	Hülse		69,800	39,970	12,000		115,000							ja
20000629	Hülse	48	34,450	31,980	12,200		65,000							
20000630	Hülse		61,500	48,000	12,300		50,000							ja
20000631	Hülse		34,400	31,500	12,400		30,000							
20000632	Hülse		41,900	40,000	12,500		65,000							
20000633	Hülse	47	37,710	31,830	12,600		40,000							
20000634	Hülse	42	34,400	31,500	12,700		30,000							
20000635	Hülse		49,900	32,100	12,700		60,000							ja
20000636	Hülse		35,940	24,000	13,000		65,000							ja

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000637	Hülse	55	42,000	40,000	13,000		55,000							
20000638	Hülse	91	61,930	48,550	13,000		50,000							
20000639	Hülse		44,300	39,600	13,300		150,000							
20000640	Hülse		64,750	32,080	13,600		60,000							ja
20000641	Hülse	51	41,900	40,000	13,700		45,000		1,000					
20000642	Hülse	75	41,700	34,700	14,000		100,000							
20000643	Hülse		47,700	42,000	14,000		130,000							
20000644	Hülse		49,500	41,800	14,000		90,000							ja
20000645	Hülse		64,650	34,000	14,000		60,000							ja
20000646	Hülse		80,000	50,000	14,000		70,000							ja
20000647	Hülse		41,700	34,750	14,300		100,000							
20000648	Hülse		69,900	44,500	14,300		98,000							ja
20000649	Hülse		45,000	35,000	14,500		35,000							
20000650	Hülse		46,000	42,050	14,600		105,000							ja
20000651	Hülse	57	49,000	44,400	14,700		80,000							
20000652	Hülse	87	41,000	32,000	15,000		50,000							
20000653	Hülse	70	46,000	42,500	15,000		105,000							
20000654	Hülse	77	52,900	44,900	15,000		45,000							
20000655	Hülse		53,600	49,800	15,000		100,000							
20000656	Hülse		41,300	32,000	15,400		55,000							
20000657	Hülse	90	53,600	49,800	15,500		100,000							
20000658	Hülse		55,850	44,870	15,500		130,000							ja
20000659	Hülse		52,900	44,900	15,800		45,000							
20000660	Hülse	72	48,700	40,200	16,000		105,000							
20000661	Hülse		51,550	44,930	16,000		55,000							ja
20000662	Hülse	79	52,050	54,100	16,000		80,000							
20000663	Hülse	82	55,850	44,900	16,000		130,000							
20000664	Hülse		79,850	49,930	16,000		45,000							ja
20000665	Hülse		52,050	45,100	16,300		80,000							ja

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000666	Hülse		49,750	44,950	16,400		80,000							
20000667	Hülse		48,700	40,200	16,500		110,000							
20000668	Hülse		37,710	31,830	16,600		43,000							
20000669	Hülse		79,400	58,270	16,600		120,000							ja
20000670	Hülse		37,900	34,800	17,000		70,000							
20000671	Hülse		69,700	58,000	17,000		50,500							ja
20000672	Hülse	36	27,000	25,000	18,000		60,000		0,900					
20000673	Hülse	85	99,000	85,250	18,000		70,000							
20000674	Hülse		75,000	44,550	18,300		97,000							ja
20000675	Hülse		99,200	85,300	18,400		70,000							ja
20000676	Hülse	89	54,900	49,950	20,000		70,000							
20000677	Hülse		74,700	70,150	20,000		120,000							ja
20000678	Hülse		74,800	70,000	20,000		45,000							ja
20000679	Hülse	94	74,800	70,000	20,000		45,000							
20000680	Hülse		74,900	70,000	20,000		45,000							ja
20000681	Hülse	92	74,900	70,100	20,000		50,000							
20000682	Hülse		80,000	70,000	20,000		50,000							ja
20000683	Hülse	81	80,000	70,000	20,000		50,000							
20000684	Hülse		97,900	70,000	20,000		60,000							ja
20000685	Hülse		98,800	84,900	20,000		80,000							
20000686	Hülse	86	98,800	84,900	20,000		80,000							
20000687	Hülse		99,140	70,000	20,200		155,000							ja
20000688	Hülse	67	39,900	33,900	21,000		80,000							
20000689	Hülse	76	49,750	44,800	21,000		55,000							
20000690	Hülse	88	74,700	70,150	21,000		120,000							
20000691	Hülse		49,750	44,800	22,000		55,000							
20000692	Hülse	60	45,000	43,000	23,000		55,000							
20000693	Hülse	93	74,650	69,800	24,000		38,500							
20000694	Hülse		74,600	69,820	24,700		38,500							ja

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000695	Hülse		130,000	80,000	34,000		35,000							ja
20000696	Hülse		115,000	80,000	35,000		33,500							ja
20000697	Hülse		135,000	90,000	36,600		33,000							ja
20000698	Hülse		150,000	90,000	37,500									ja
20000699	Hülse		145,000	90,000	37,600		34,000							ja
20000700	Hülse		140,000	90,000	38,000		142,000							ja
20000701	Hülse	33	17,900	17,900	7,100		85,000	0,1						
20000702	Hülse	39	22,200	19,000	5,000		95,000							
20000703	Hülse	47	23,700	20,000	6,000		72,500							
20000704	Hülse	113	34,200	32,000	10,000		95,000							
20000705	Hülse	114	35,850	32,000	10,000		75,000							
20000706	Hülse	115	37,600	32,000	10,100		95,000	0,1						
20000707	Hülse	148	43,600	40,000	12,100		100,000							
20000708	Hülse	166	53,600	49,800	14,100		100,000	0,1						
20000709	Hülse	E 10	15,000	8,150	2,100		30,000	2,73						ja
20000710	Hülse	E 2	22,100	12,200	5,000		35,000	1,65						ja
20000711	Hülse	E 9	22,030	12,300	5,000		35,000	2,5						ja
20000712	Hülse	E 11	13,050	10,100	5,000		35,000	1,59						ja
20000713	Hülse	E 13	26,960	21,900	6,000		70,000	1,73						ja
20000714	Hülse	E 4	29,850	22,150	7,000		65,000	2,81						ja
20000715	Hülse	E 12	21,830	13,160	7,000		45,000	2,62						ja
20000716	Hülse	E 3	30,000	20,000	8,000		30,000	4,9						ja
20000717	Hülse	E 7	39,900	30,000	8,000		65,700	3,13						ja
20000718	Hülse	E 30	61,850	30,000	8,000		70,000							ja
20000719	Hülse	E 5	34,650	22,100	8,100		60,000	4,96						ja
20000720	Hülse	E 17	47,950	23,000	8,400		60,000	12,5						ja
20000721	Hülse	E 20	39,930	22,000	8,400		100,000	4,63						ja
20000722	Hülse	E 14	33,900	22,800	9,000		100,000	5,08						ja
20000723	Hülse	E 23	41,500	23,000	9,200		95,000							ja

Werkzeug Nr.	Profil	RäumDorn / Hülsen	AußenØ	InnenØ	Nutbreite	Nuttiefe	Nutlänge	Toleranz(Mittenver	Wandst. an der N	Distanzring	Konisch	Ø von (nur bei ko	Ø bis (nur bei ko	exzentrisch
20000724	Hülse	E 1	39,700	35,350	10,000		60,000	2,28						ja
20000725	Hülse	E 24	49,950	38,000	10,000		80,000							ja
20000726	Hülse	E 15	44,900	24,000	10,900		40,000	9,45						ja
20000727	Hülse	E 8	43,220	24,000	11,000		40,000	9,49						ja
20000728	Hülse	E 26	60,000	25,000	11,000		40,000							ja
20000729	Hülse	E 27	49,400	49,900	11,000		40,000							ja
20000730	Hülse	E 28	29,900	24,000	11,000		32,000							ja
20000731	Hülse	E 31	84,900	54,000	11,700		50,000							ja
20000732	Hülse	E 6	35,940	24,000	12,000		65,000	2,09						ja
20000733	Hülse	E 22	42,900	32,000	12,000		60,000							ja
20000734	Hülse	E 21	59,900	30,000	13,000		70,000							ja
20000735	Hülse	E 16	64,800	32,000	13,800		60,000	16,4						ja
20000736	Hülse	E 19	64,650	34,000	14,000		60,000	15,38						ja
20000737	Hülse	E 32	69,900	44,500	14,200		95,000							ja
20000738	Hülse	E 29	79,850	49,930	16,000		45,000							ja
20000739	Hülse	E 35	79,400	58,200	16,700		120,000							ja
20000740	Hülse	E 18	69,700	58,000	17,000		50,000	5,83						ja
20000741	Hülse	E 25	49,620	22,000	18,000		60,000							ja
20000742	Hülse	E 33	74,950	44,500	18,000		100,000							ja
20000743	Hülse	E 34	97,900	70,000	20,000		65,000							ja
20000744	Hülse	E 36	99,150	70,000	20,000		155,000							ja