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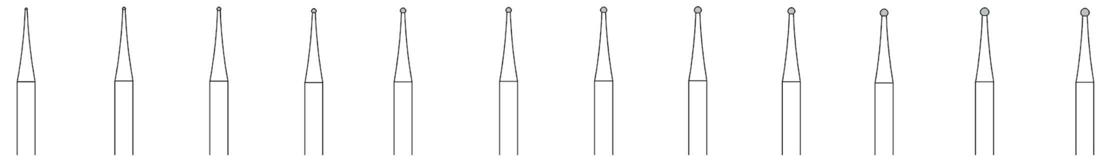
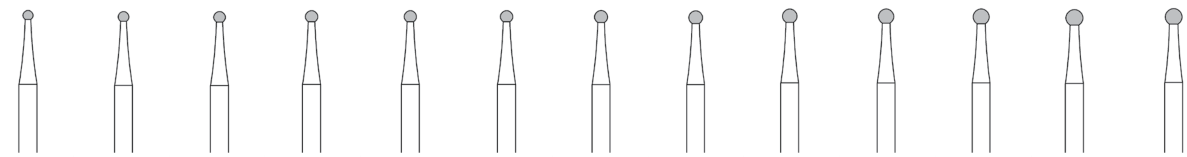
Fig 1 - Round / Redonda



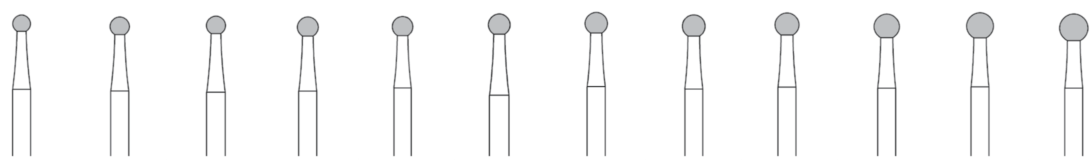
6

Ø	0025	003	0035	004	005	006	007	008	009	0097	010	011
D_1 (mm)	.25	.30	.35	.40	.50	.60	.70	.80	.90	.97	1.0	1.1



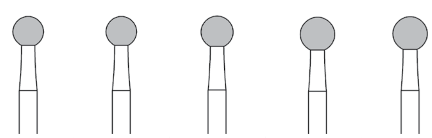
6

Ø	012	013	014	0142	015	0158	016	017	018	019	020	021	022
D_1 (mm)	1.2	1.3	1.42	1.42	1.5	1.58	1.6	1.7	1.8	1.9	2.0	2.1	2.2



6

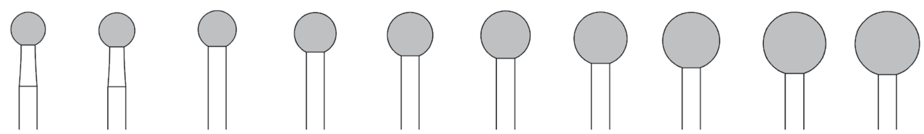
Ø	023	024	025	026	027	028	029	030	031	033	035	037
D_1 (mm)	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.5	3.7



6

Ø	040	042	045	047	050
D_1 (mm)	4.0	4.2	4.5	4.7	5.0

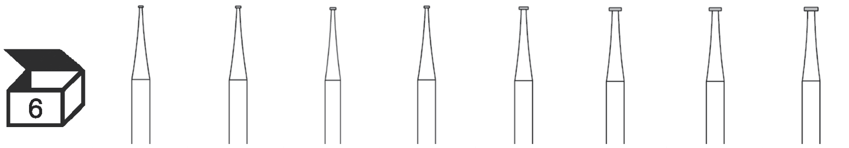
Magnified (Ø - 010)



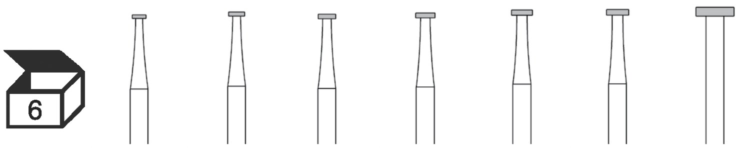
2

Ø	055	060	065	070	075	080	085	090	095	100
D_1 (mm)	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0

Fig 2 (3) - Wheel / Rueda

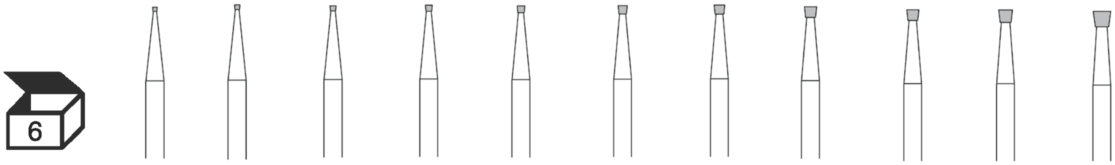


Ø	006	007	008	009	010	012	014	016
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6
L_1 (mm)	0.21	0.23	0.25	0.27	0.30	0.33	0.36	0.40

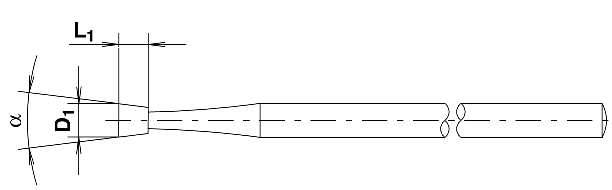


Ø	018	021	023	025	027	029	050
D_1 (mm)	1.8	2.1	2.3	2.5	2.7	2.9	5.0
L_1 (mm)	0.45	0.53	0.58	0.63	0.68	0.73	1.16

Fig 3 (2) - Inverted Cone / Cono Invertido

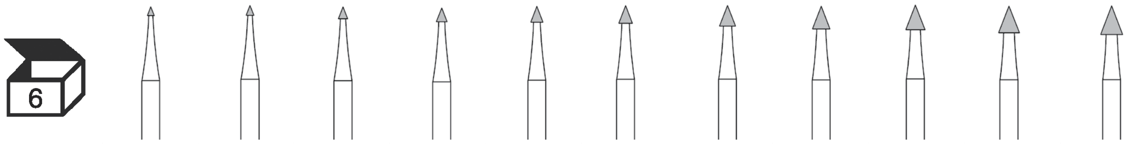


Ø	006	007	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3
L_1 (mm)	0.53	0.62	0.71	0.80	0.88	1.06	1.24	1.41	1.59	1.86	2.03
α	12°	12°	12°	12°	12°	12°	12°	12°	12°	12°	12°



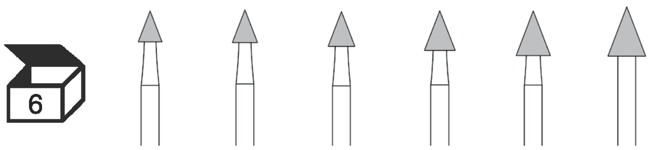
Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
α	Working Part Angle

Fig 5 - Pointed / Puntiagudo



Ø	009	010	012	014	016	018	021	023	025	027	029
D_1 (mm)	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9
L_1 (mm)	1.17	1.30	1.56	1.82	2.08	2.34	2.74	3.00	3.26	3.52	3.78
α	42°	42°	42°	42°	42°	42°	42°	42°	42°	42°	42°

Magnified (Ø - 009)



Ø	031	033	035	040	045	050
D_1 (mm)	3.1	3.3	3.5	4.0	4.5	5.0
L_1 (mm)	4.04	4.30	4.56	5.21	5.86	6.51
α	42°	42°	42°	42°	42°	42°

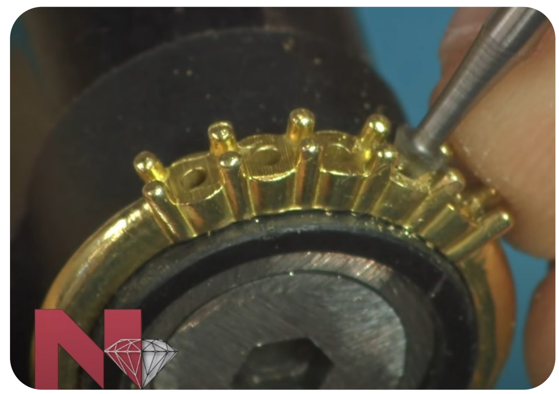
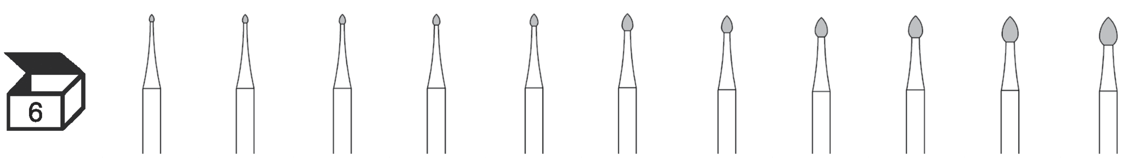
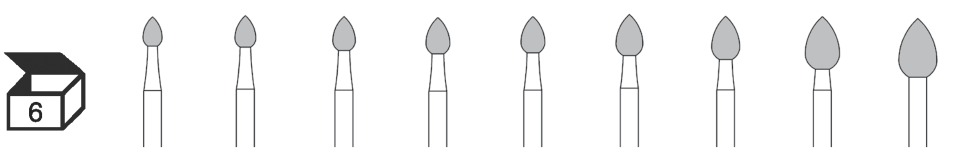


Fig 6 - Bud / Pimpollo



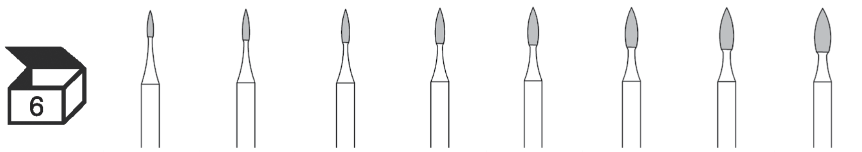
Ø	006	007	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3
L_1 (mm)	0.96	1.12	1.28	1.44	1.60	1.92	2.24	2.56	2.88	3.36	3.68



Ø	025	027	029	031	033	035	040	045	050
D_1 (mm)	2.5	2.7	2.9	3.1	3.3	3.5	4.0	4.5	5.0
L_1 (mm)	3.87	4.18	4.49	4.80	5.11	5.42	6.20	6.97	7.75

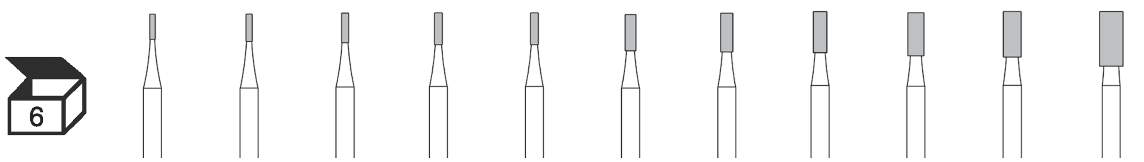
Magnified (Ø - 006)

Fig 27A (8) - Flame / Flama



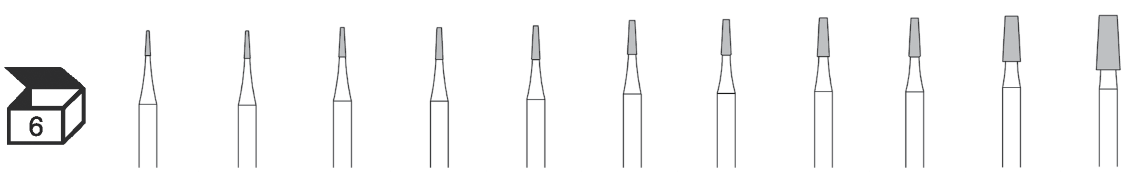
Ø	009	010	012	014	016	018	021	023
D_1 (mm)	0.9	1.0	1.2	1.5	1.6	1.8	2.1	2.3
L_1 (mm)	3.70	4.15	4.45	4.75	4.90	5.40	5.80	6.10

Fig 15 (21) - Cylinder / Cilíndrico

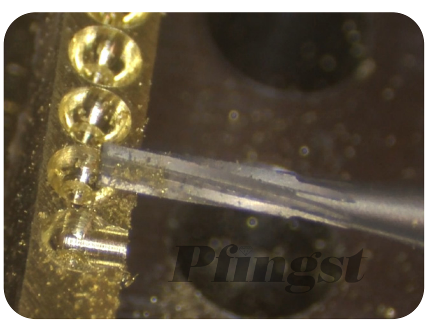


Ø	007	008	009	010	012	014	016	018	021	023	031
D_1 (mm)	0.9	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	3.1
L_1 (mm)	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	7.20

Fig 17 (23) - Cone / Cónico

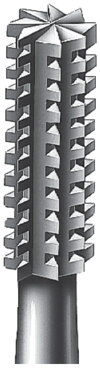


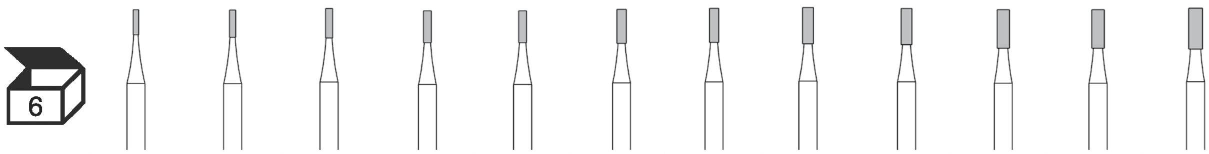
Ø	007	008	009	010	012	014	016	018	021	023	031
D_1 (mm)	0.9	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	3.1
L_1 (mm)	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	7.20



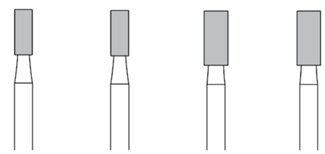
Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
α	Working Part Angle

Fig 21 (36) - Cylinder / Cilíndrico





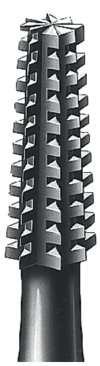
Ø	006	007	008	009	010	012	014	015	016	018	021	023
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.5	1.6	1.8	2.1	2.3
L_1 (mm)	3.00	3.30	3.60	3.90	4.20	4.50	4.80	4.95	5.10	5.40	5.70	6.00

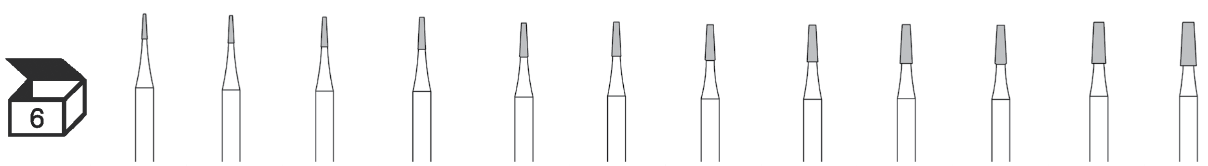


Ø	025	027	029	031
D_1 (mm)	2.5	2.7	2.9	3.1
L_1 (mm)	6.30	6.60	6.90	7.20

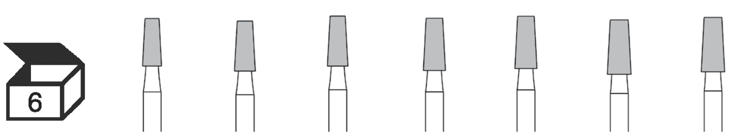
Magnified (Ø - 006)

Fig 23 (38) Cone / Cónico



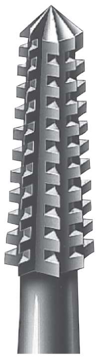


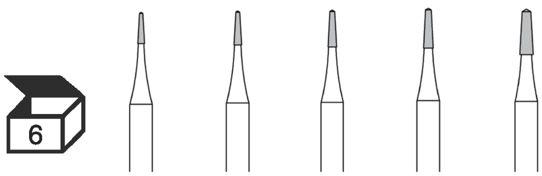
Ø	005	006	007	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
L_1 (mm)	2.50	3.00	3.30	3.60	3.90	4.20	4.40	4.50	4.60	4.80	5.00	5.10
α	5.5°	5.5°	5.5°	5.5°	5.5°	6.0°	6.0°	6.0°	6.0°	6.0°	6.0°	6.0°



Ø	018	021	023	025	027	029	031
D_1 (mm)	1.8	2.1	2.3	2.5	2.7	2.9	3.1
L_1 (mm)	5.40	5.70	6.00	6.30	6.60	6.90	7.20
α	6.0°	6.0°	6.0°	6.0°	6.0°	6.0°	6.0°

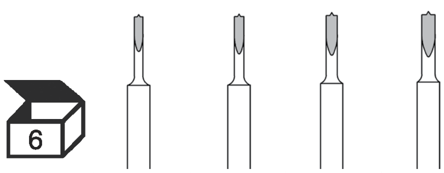
Fig 39 - Cone, Pointed / Cónico Puntiagudo





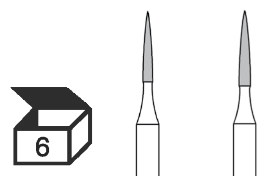
Ø	007	008	009	010	014
D_1 (mm)	0.7	0.8	0.9	1.0	1.4
L_1 (mm)	3.30	3.60	3.90	4.20	4.80
α	5.0º	5.0º	5.0º	6.0º	6.0º

Fig 77A (417) - Pearl Drills



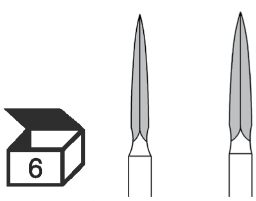
Ø	009	010	012	014
D_1 (mm)	0.9	1.0	1.2	1.4
L_1 (mm)	3.90	4.20	4.50	4.80

Fig 256 (194) - Krause Burs



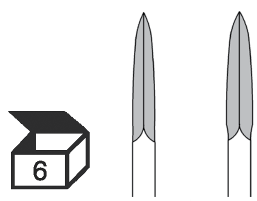
Ø	010	012
D_1 (mm)	1.0	1.2
L_1 (mm)	7.50	8.00

Fig 115A (186) - Ambler Burs

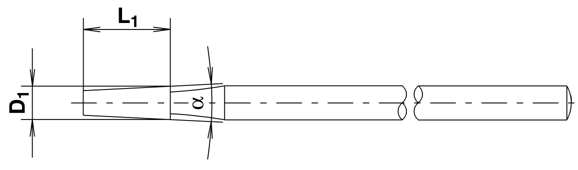


Ø	018	023
D_1 (mm)	1.8	2.3
L_1 (mm)	12.0	12.0

Fig 219 - 3-sided

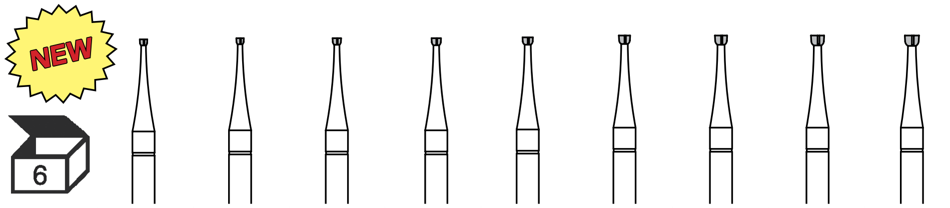


Ø	023	027
D_1 (mm)	2.30	2.70
L_1 (mm)	12.0	12.0

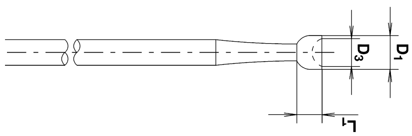


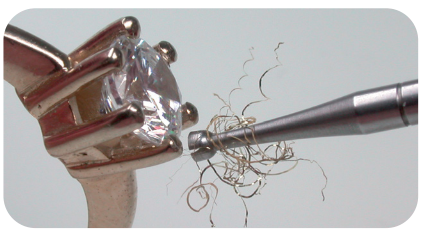
Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
α	Working Part Angle

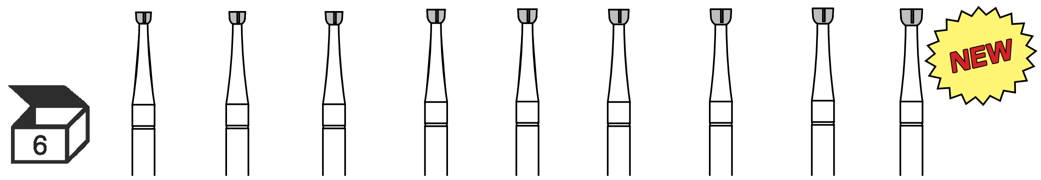
Fig 411T - Twincut Cup Bur / Fresa Hueca



Ø	007	008	009	010	011	012	013	014	015
D_1(mm)	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
D_3(mm)	0.55	0.65	0.75	0.85	0.95	1.04	1.14	1.24	1.34
L_1(mm)	0.55	0.65	0.70	0.75	0.78	0.90	1.05	1.10	1.20

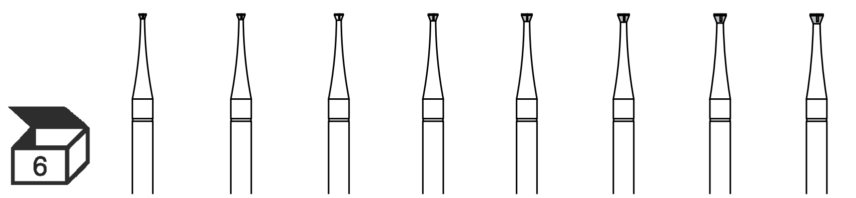




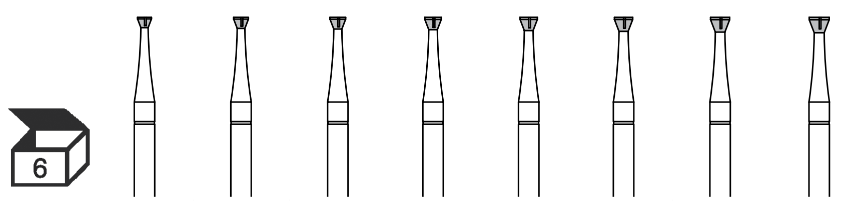


Ø	016	017	018	019	020	021	022	023	025
D_1(mm)	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
D_3(mm)	1.43	1.53	1.62	1.72	1.81	1.91	2.01	2.10	2.19
L_1(mm)	1.20	1.28	1.35	1.42	1.48	1.55	1.63	1.72	1.81

Fig 411CT - Twincut Cup Bur Conical

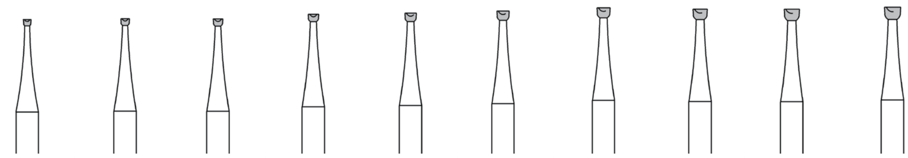


Ø	008	009	010	011	012	013	014	015
D_1(mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
D_3(mm)	0.65	0.75	0.85	0.95	1.04	1.14	1.24	1.34
L_1(mm)	0.49	0.57	0.64	0.72	0.79	0.87	0.96	1.05



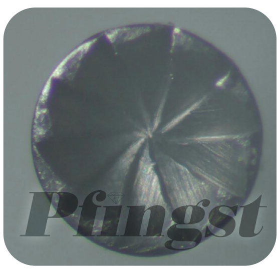
Ø	016	017	018	019	020	021	022	023
D_1(mm)	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
D_3(mm)	1.43	1.53	1.62	1.72	1.81	1.91	2.01	2.10
L_1(mm)	1.13	1.21	1.29	1.37	1.45	1.54	1.60	1.69

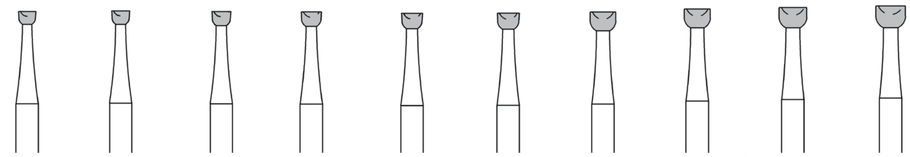
Fig 77B (411) - Cup Bur / Fresa Hueca



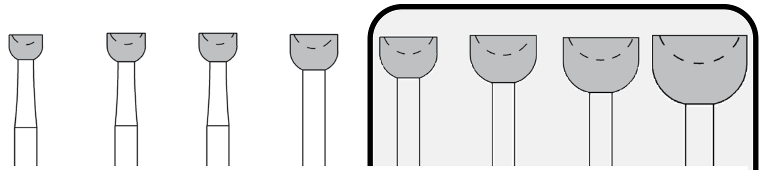
Ø	008	009	010	011	012	013	014	015	016	017
D_1(mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
D_3(mm)	0.56	0.63	0.72	0.80	0.88	0.96	1.05	1.15	1.25	1.33
L_1(mm)	0.65	0.70	0.75	0.78	0.90	0.98	1.05	1.10	1.20	1.28

Magnified (Ø - 008)

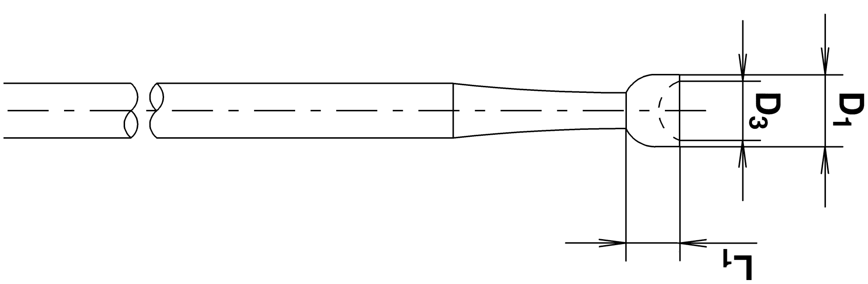




Ø	018	019	020	021	022	023	025	027	029	031
D_1(mm)	1.8	1.9	2.0	2.1	2.2	2.3	2.5	2.7	2.9	3.1
D_3(mm)	1.40	1.48	1.55	1.65	1.75	1.85	2.00	2.20	2.35	2.55
L_1(mm)	1.35	1.42	1.48	1.55	1.62	1.70	1.85	2.00	2.15	2.30



Ø	035	040	045	050	060	070	080	100
D_1(mm)	3.5	4.0	4.5	5.0	6.0	7.0	8.0	10.0
D_3(mm)	2.90	3.35	3.80	4.20	5.10	5.90	6.80	8.60
L_1(mm)	2.60	3.00	3.35	3.75	4.30	5.00	5.80	7.30



Ø	SIZE
D_1(mm)	Working Part Diameter
D_3(mm)	Inner Working Part Diammeter
L_1(mm)	Working Part Length

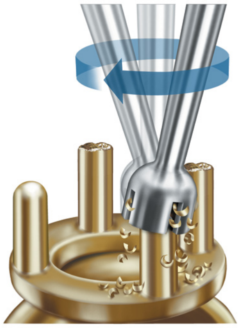
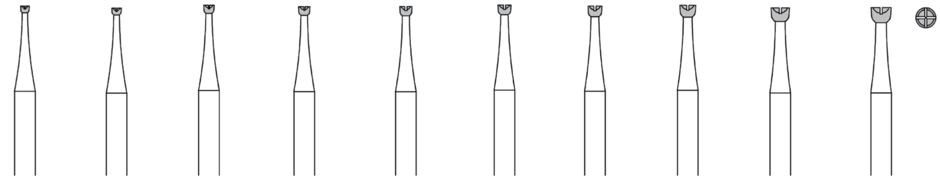


Fig 411CCC - Clean Cut Cup Bur

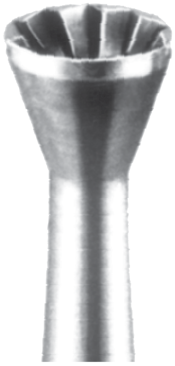
Magnified (Ø - 010)

6



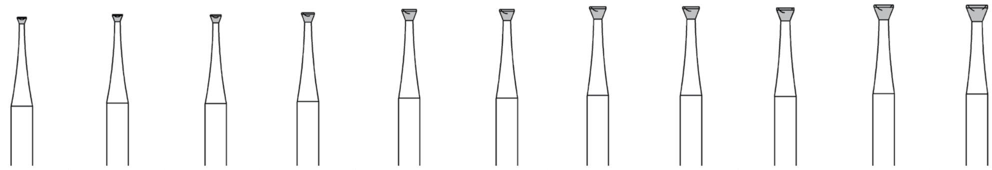
Ø	010	011	012	013	014	015	016	018	021	023
D_1 (mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.1	2.3
D_3 (mm)	0.72	0.80	0.88	0.96	1.05	1.15	1.25	1.40	1.65	1.85
L_1 (mm)	0.75	0.78	0.90	0.98	1.05	1.10	1.20	1.35	1.55	1.70

Fig 411C - Cup Bur Conical

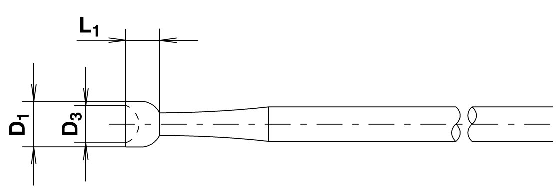


Magnified (Ø - 010)

6

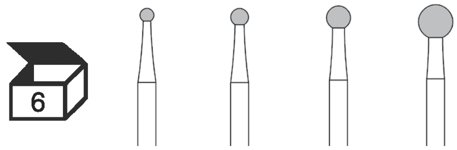


Ø	010	011	012	014	015	016	017	018	019	021	023
D_1 (mm)	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.1	2.3
D_3 (mm)	0.75	0.85	0.95	1.15	1.25	1.30	1.38	1.45	1.55	1.70	1.90
L_1 (mm)	0.71	0.78	0.86	1.03	1.11	1.19	1.28	1.35	1.43	1.62	1.78



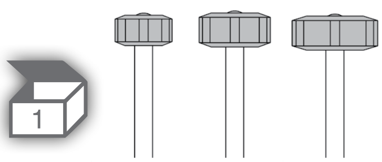
Ø	SIZE
D_1 (mm)	Working Part Diameter
D_3 (mm)	Inner Working Part Diammeter
L_1 (mm)	Working Part Length

Fig 260A - Wax Burs



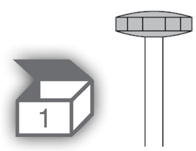
Ø	018	023	031	050
D_1 (mm)	1.8	2.3	3.1	5.0
L_1 (mm)	1.65	2.14	2.90	4.65

Fig 452RS - Riveting Wheels



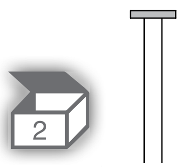
Ø	080	100	120
D_1 (mm)	8.0	10.0	12.0
L_1 (mm)	1.80	1.90	1.90

Fig 452S - Ram Wheel



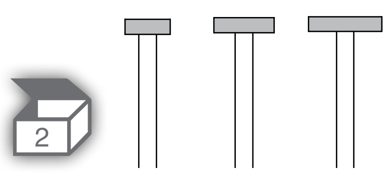
Ø	100
D_1 (mm)	10.0
L_1 (mm)	1.70

Fig 409 - Wheel

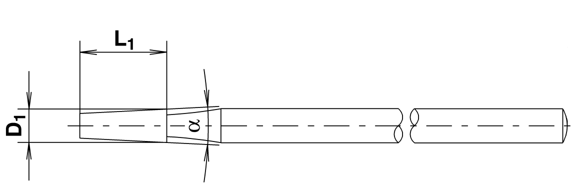


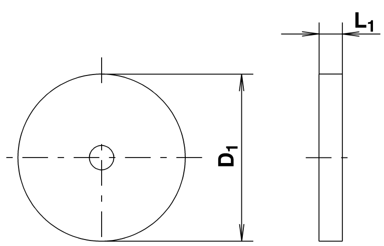
Ø	060
D_1 (mm)	6.0
L_1 (mm)	1.0

Fig 409L - Wheel



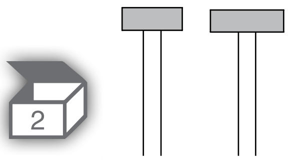
Ø	060	080	100
D_1 (mm)	6.0	8.0	10.0
L_1 (mm)	2.0	2.0	2.0





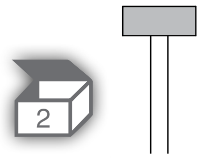
Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length

Fig 409XL - Wheel



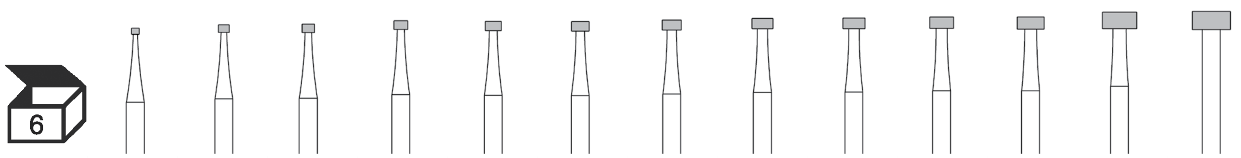
Ø	080	100
D_1 (mm)	8.0	10.0
L_1 (mm)	3.0	3.0

Fig 409XXL - Wheel

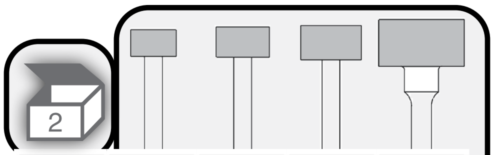


Ø	100
D_1 (mm)	10.0
L_1 (mm)	4.0

Fig 412 - Wheel

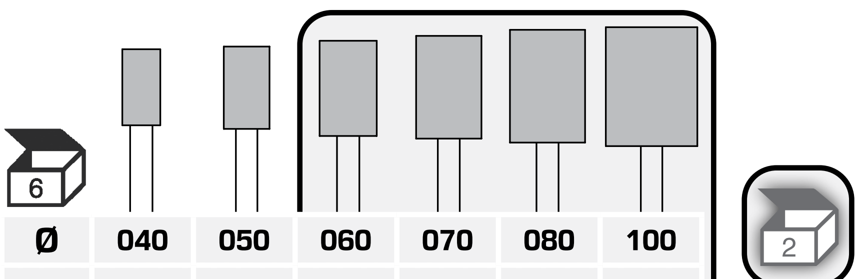


Ø	010	014	016	018	021	023	025	027	029	031	035	045	050
D_1 (mm)	1.0	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1	3.5	4.5	5.0
L_1 (mm)	0.80	1.00	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.50	1.60	2.15	2.40



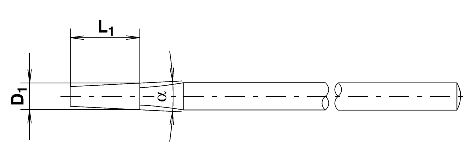
Ø	060	070	080	100
D_1 (mm)	6.0	7.0	8.0	10.0
L_1 (mm)	3.50	4.00	4.50	5.50

Fig 419 - Cylinder



Ø	040	050	060	070	080	100
D_1 (mm)	4.0	5.0	6.0	7.0	8.0	10.0
L_1 (mm)	8.00	9.00	10.0	11.0	12.0	13.0

Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length



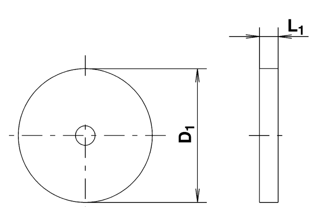
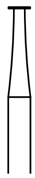


Fig 45 - Super Thin Saw



Pack: 6

Ø	023
D_1 (mm)	2.3
L_1 (mm)	0.15

Magnified (45/023)

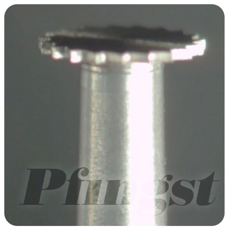
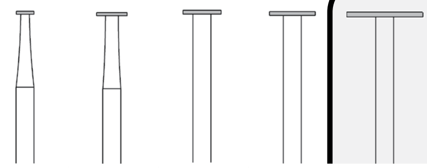


Fig 231S (231) - Saw

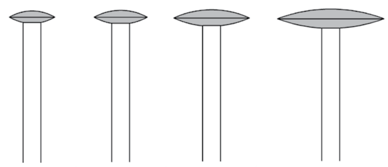


Pack: 6

Ø	023	040	050	060	100
D_1 (mm)	2.3	4.0	5.0	6.0	10.0
L_1 (mm)	0.40	0.40	0.50	0.50	0.60

Pack (100): 1

Fig 161KE (234) - Knife Edge

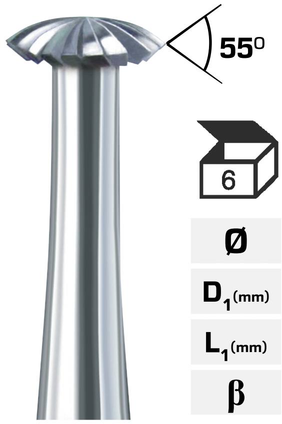


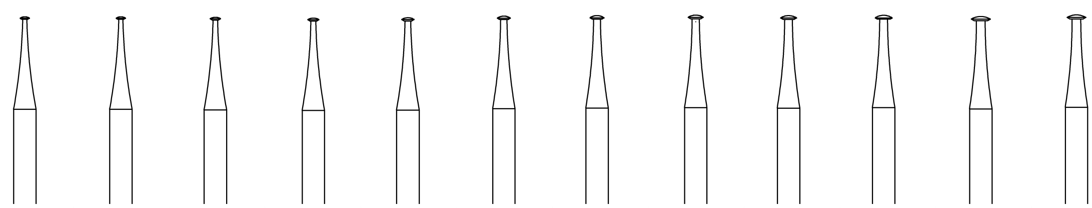
Pack: 1

Ø	060	070	100	140
D_1 (mm)	6.0	7.0	10.0	14.0
L_1 (mm)	1.50	1.70	2.10	2.50

Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
β	Working Part Angle

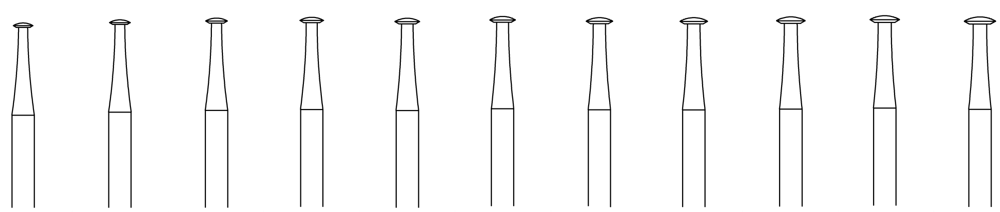
Fig 415 - Lens (KE)





Pack: 6

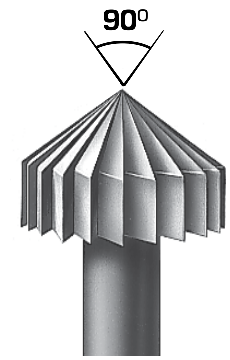
Ø	010	011	012	013	014	015	016	017	018	019	020	021
D_1 (mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
L_1 (mm)	0.23	0.25	0.27	0.30	0.32	0.34	0.36	0.39	0.40	0.43	0.45	0.48
β	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰

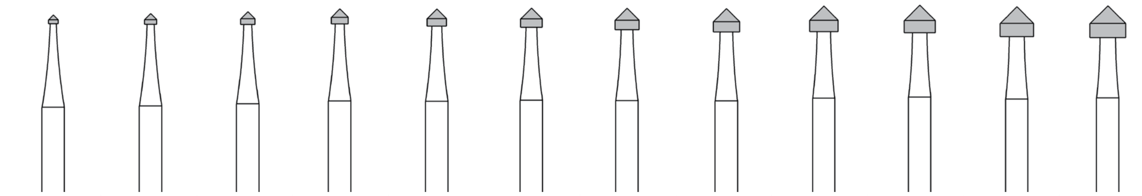


Pack: 6

Ø	022	023	025	026	027	028	029	030	031	033	035
D_1 (mm)	2.2	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.5
L_1 (mm)	0.50	0.52	0.57	0.60	0.61	0.64	0.66	0.69	0.71	0.76	0.80
β	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰	55⁰

Fig 413 - Stone Setters

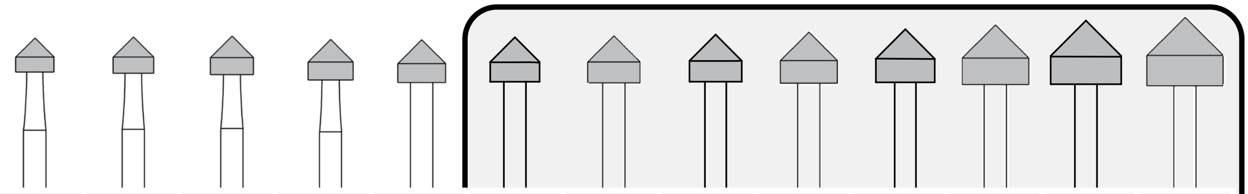




6

Ø	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
D_1 (mm)	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
L_1 (mm)	0.90	1.12	1.35	1.57	1.80	2.02	2.25	2.47	2.70	2.92	3.15	3.37
α	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰

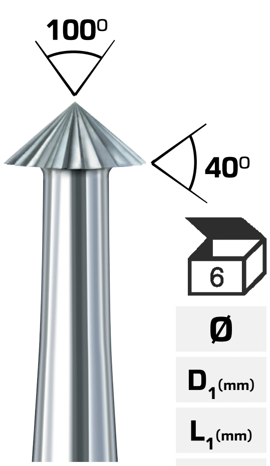
Magnified (Ø - 1.00)

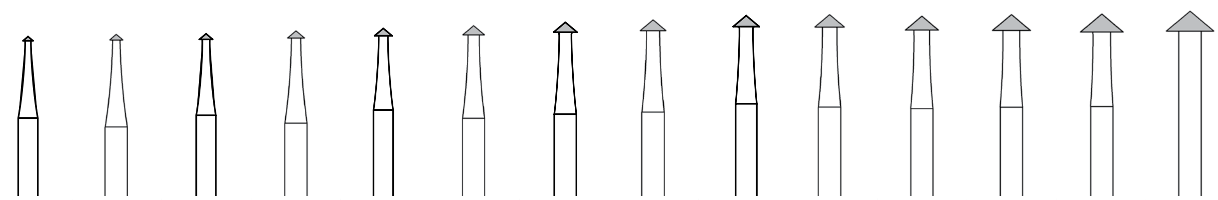


2

Ø	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.50	7.00	7.50	8.00
D_1 (mm)	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.50	7.00	7.50	8.00
L_1 (mm)	3.60	3.82	4.05	4.27	4.50	4.72	4.95	5.17	5.40	5.85	6.30	6.75	7.20
α	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰	90⁰

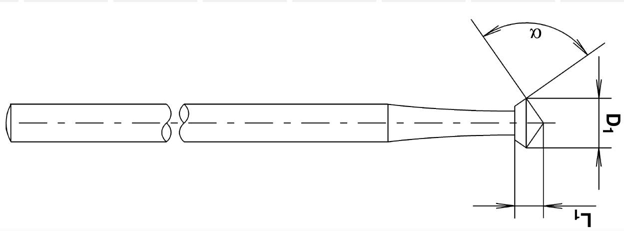
Fig 420 - Pointed





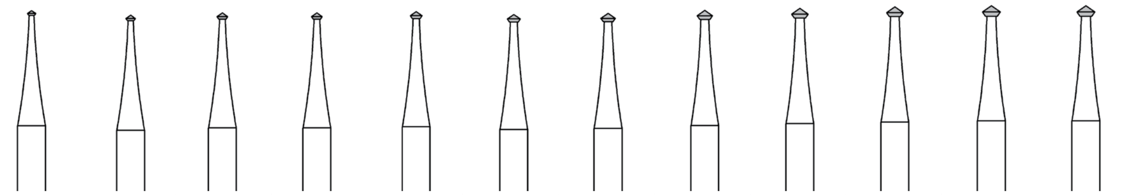
6

Ø	012	014	016	018	021	023	025	027	029	031	035	040	045	050
D_1 (mm)	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1	3.5	4.0	4.5	5.0
L_1 (mm)	0.50	0.59	0.67	0.76	0.88	0.96	1.05	1.13	1.22	1.30	1.47	1.68	1.89	2.10
α	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰	100⁰
β	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰	40⁰

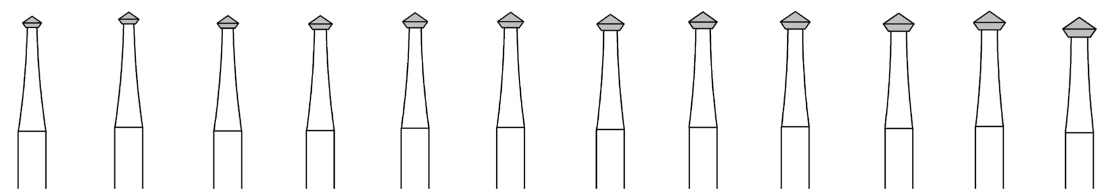


Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
α	Top Angle
β	Side Angle

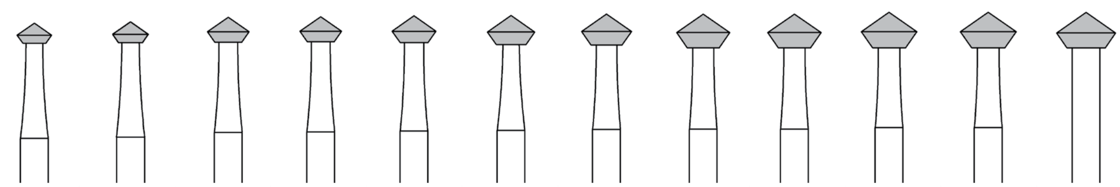
Fig 156C (414) - Hart Burs, Bearing Cutters



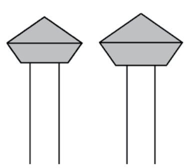
Ø	007	008	009	0097	010	011	012	013	014	0142	015	0158
D_1 (mm)	0.7	0.8	0.9	0.97	1.0	1.1	1.2	1.3	1.4	1.42	1.5	1.58
L_1 (mm)	0.39	0.46	0.52	0.56	0.58	0.64	0.69	0.76	0.81	0.83	0.88	0.91
β	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°



Ø	016	017	018	019	020	021	022	023	024	025	026	027
D_1 (mm)	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
L_1 (mm)	0.93	0.99	1.04	1.11	1.16	1.24	1.29	1.34	1.40	1.46	1.51	1.57
β	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°



Ø	028	029	030	031	033	035	037	040	042	045	047	050
D_1 (mm)	2.8	2.9	3.0	3.1	3.3	3.5	3.7	4.0	4.2	4.5	4.7	5.0
L_1 (mm)	1.65	1.70	1.75	1.80	1.95	2.10	2.25	2.45	2.60	2.85	3.00	3.35
β	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°



Ø	060	070
D_1 (mm)	6.0	7.0
L_1 (mm)	3.70	4.40
β	90°	90°

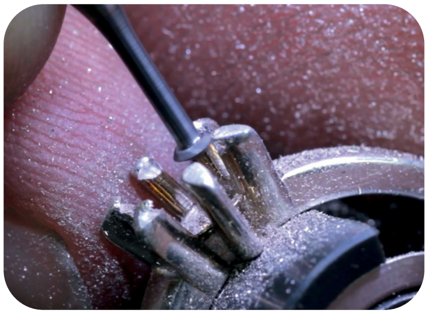
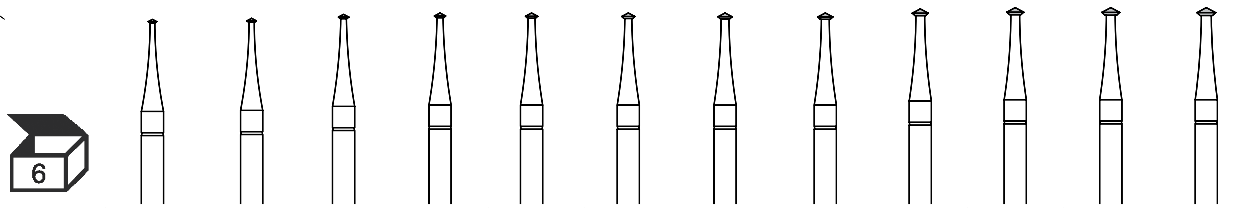
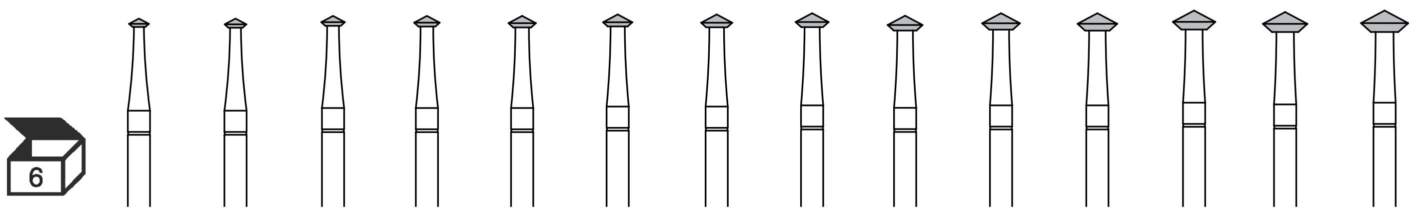


Fig 446 - Shallow Hart Burs / Bearing Cutters

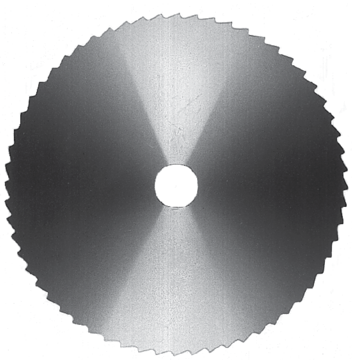


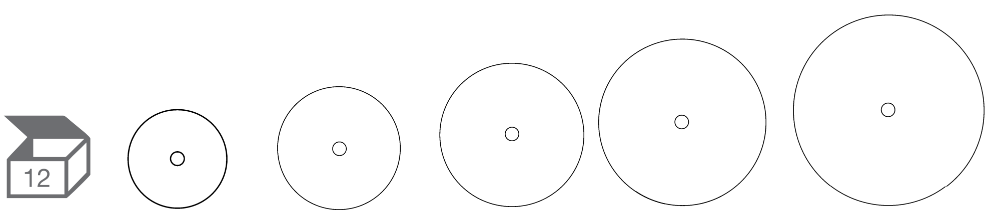
Ø	009	010	011	012	013	014	015	016	017	018	019	020
D_1 (mm)	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
L_1 (mm)	0.39	0.43	0.47	0.51	0.55	0.59	0.64	0.68	0.72	0.76	0.80	0.84
β	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°



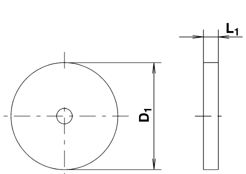
Ø	021	023	025	027	029	031	033	035	037	040	042	045	047	050
D_1 (mm)	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.5	4.7	5.0
L_1 (mm)	0.89	0.97	1.05	1.13	1.22	1.27	1.36	1.47	1.57	1.74	1.84	2.01	2.11	2.27
β	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°

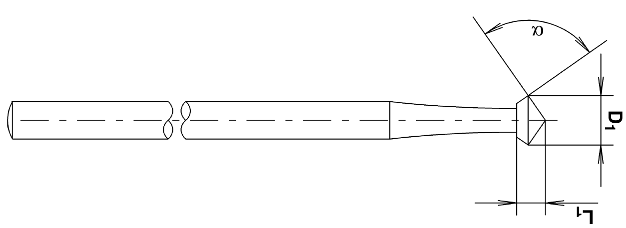
Fig 189 (232) - Unmounted Saws





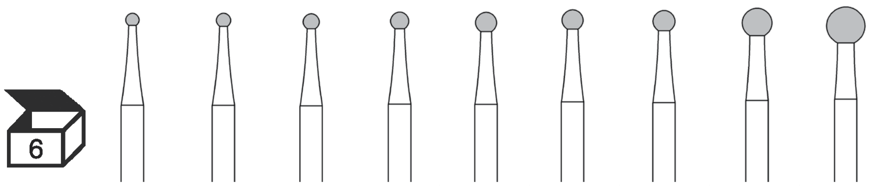
Ø	130	160	190	220	250
D_1 (mm)	13.0	16.0	19.0	22.0	25.0
L_1 (mm)	1.80	1.80	1.80	1.80	1.80





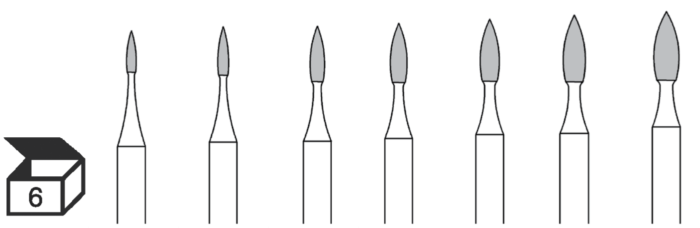
Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
β	Side Angle

Fig 145 (41) - Round / Redonda (Fine)



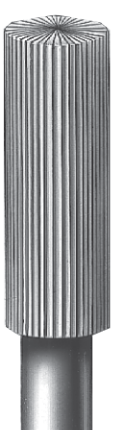
Ø	010	012	014	016	018	021	023	031	040
D_1 (mm)	1.0	1.2	1.4	1.6	1.8	2.1	2.3	3.1	4.0

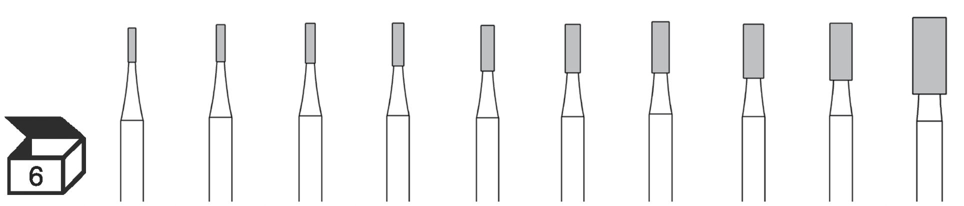
Fig 152 (48) - Flame / Flama (Fine)



Ø	008	010	012	014	016	018	023
D_1 (mm)	0.8	1.0	1.2	1.4	1.6	1.8	2.3
L_1 (mm)	3.50	4.40	4.70	5.00	5.25	5.50	6.10

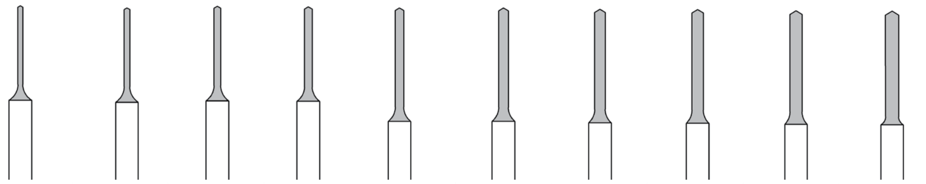
Fig 155 (49) - Cylinder / Cilindro (Fine)



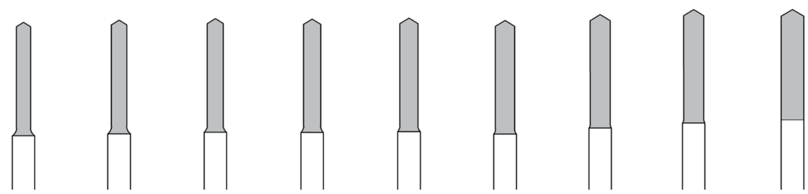


Ø	008	009	010	012	014	016	018	021	023	031
D_1 (mm)	0.8	0.9	1.0	1.2	1.4	16	1.8	2.1	2.3	3.1
L_1 (mm)	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	7.20

Fig 77 (203) - Twist Drill

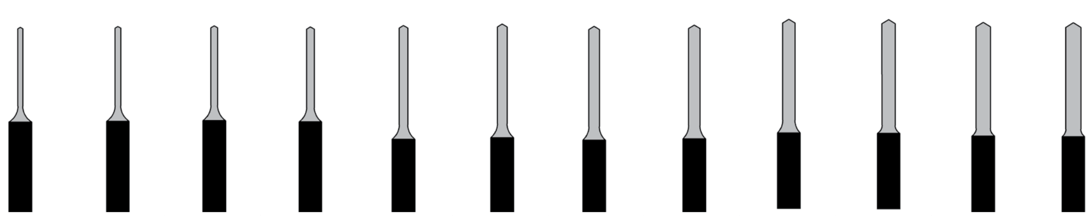


Ø	005	006	007	008	009	010	011	012	013	014
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4
L_1 (mm)	10.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0

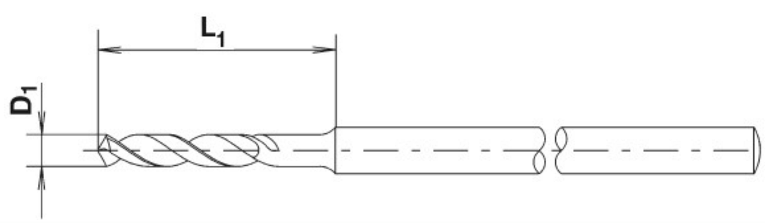


Ø	015	016	017	018	019	020	021	022	023
D_1 (mm)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
L_1 (mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

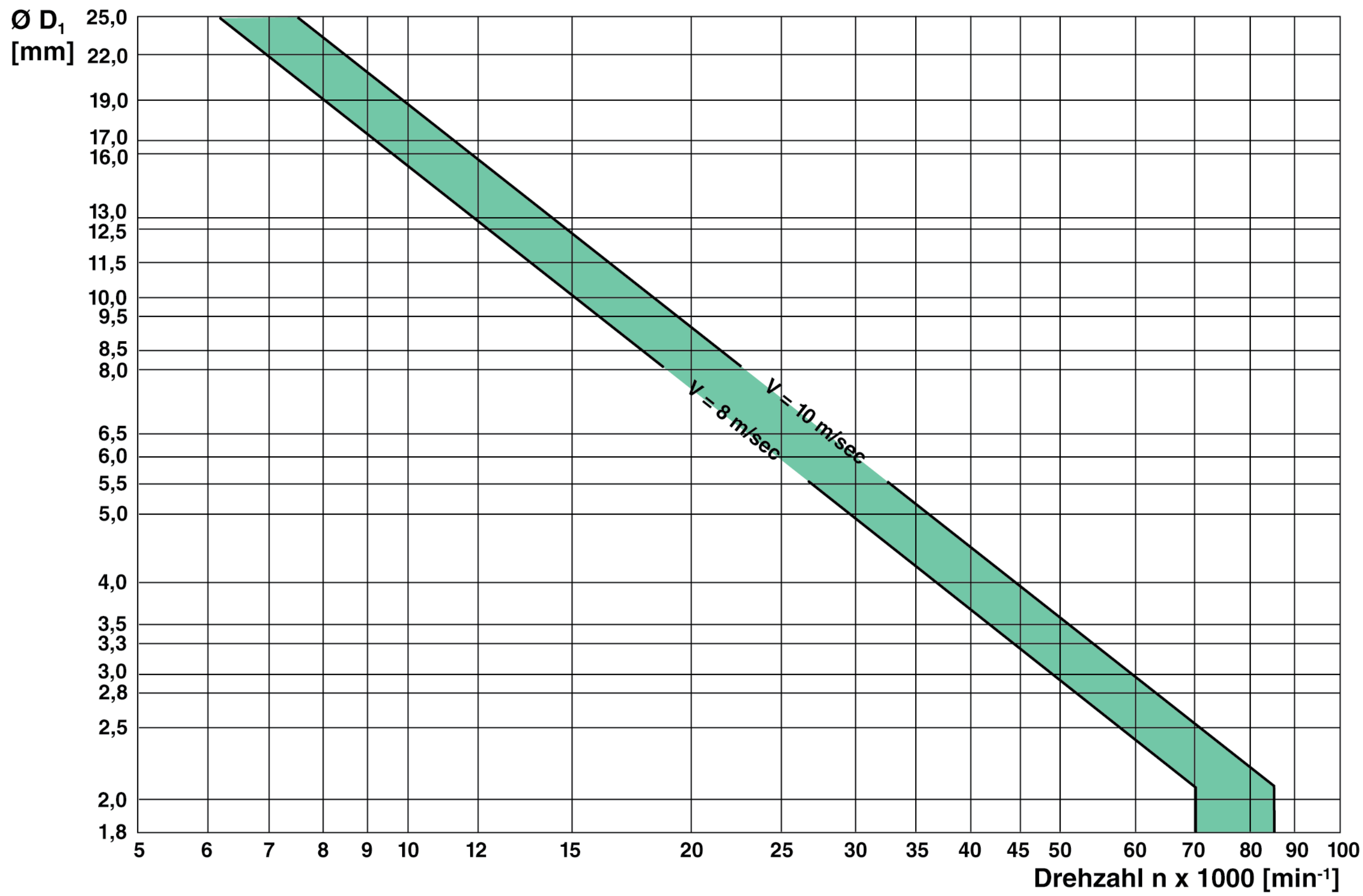
Fig 203HSS - Twist Drill (High Speed Steel)



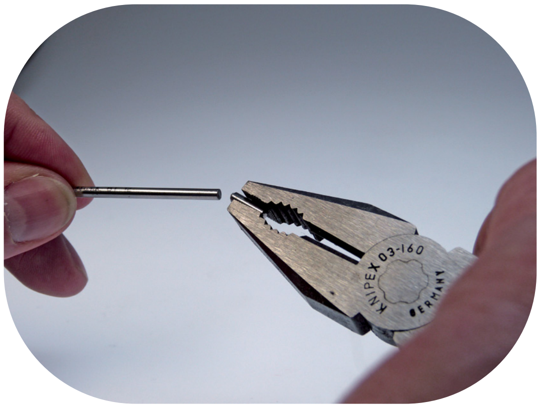
Ø	005	006	007	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
L_1 (mm)	10.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0



A Logirithmic Rotational Speed Diagram for Busch Steel Burs
(suggested by the manufacturer)



The number of revolutions to be determined in this diagram are optimum figures in both technical and economic respect. However, a lower number of revolutions can be applied according to the work performed and the results to be obtained. The maximum admissible speed mentioned on the package is not allowed to be exceeded due to saftey regulations.



The Busch Beading Tool

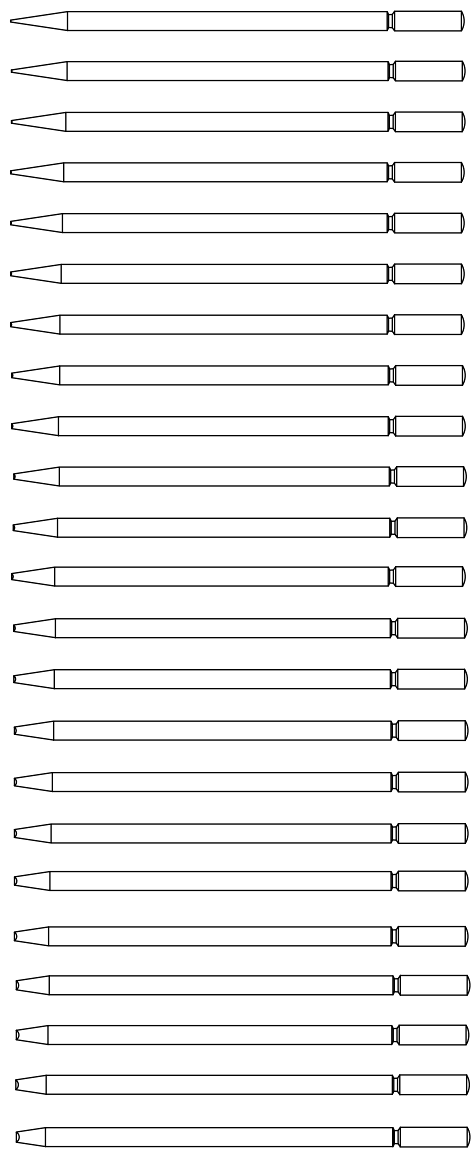
Availible individually in packs of 100 pcs or in Sets of 6

Adjustable length for better handling

Choose the Best
Choose Busch

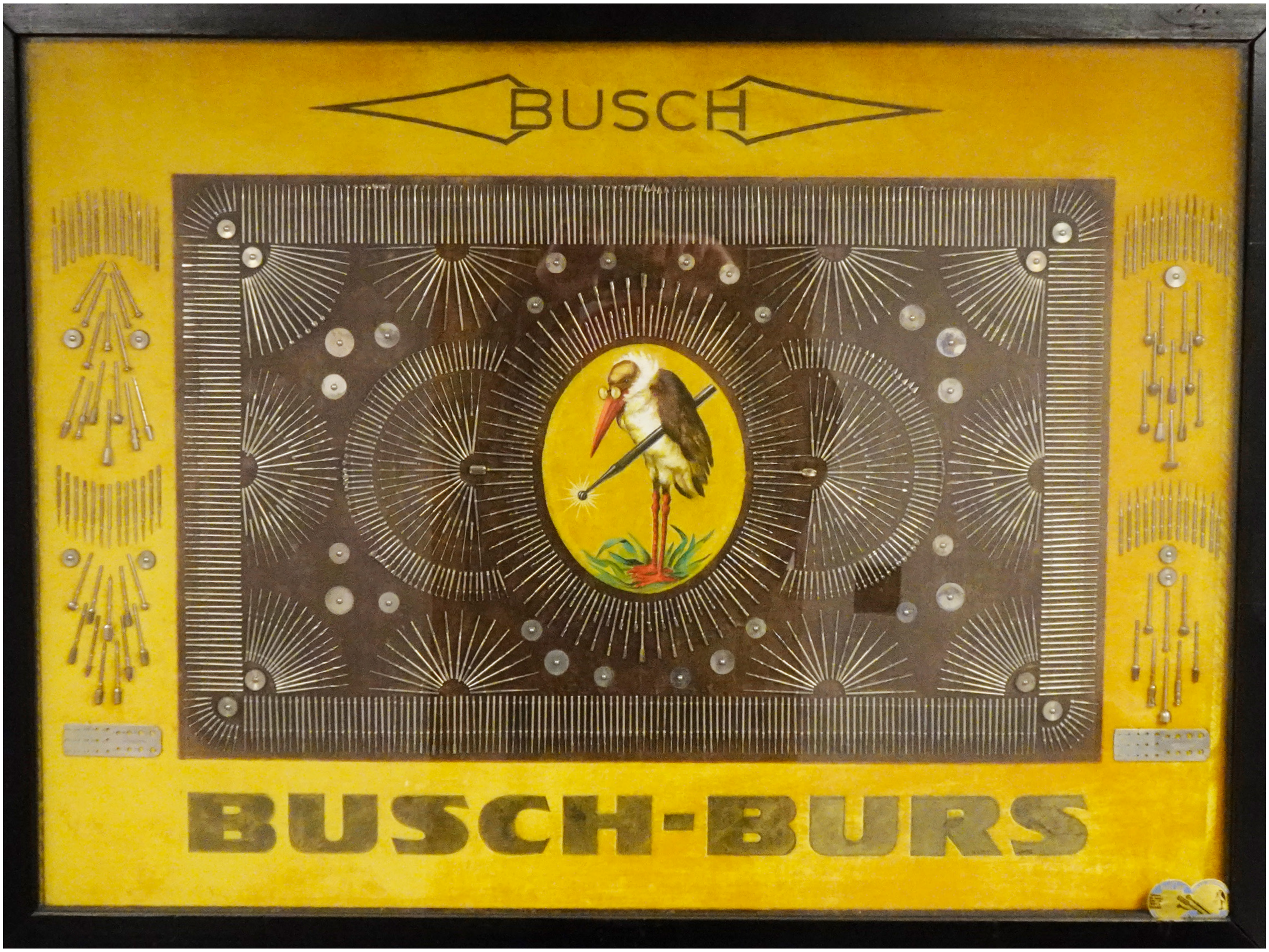
BT 03-08

BT 09-013



BT	Ø 1/100 mm
00	0.025
01	0.030
02	0.035
03	0.040
04	0.045
05	0.050
06	0.055
07	0.060
08	0.065
09	0.070
10	0.075
11	0.080
12	0.085
13	0.090
14	0.095
15	0.100
16	0.105
17	0.110
18	0.115
19	0.120
20	0.125
21	0.130
22	0.135

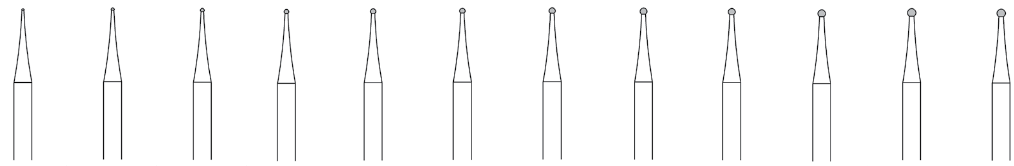
THE BUSCH BUR DISPLAY



One of three in existance, this display was given to Pfingst & Co. by Busch & Co. KG during the 1920's. The display was in service for Pfingst for 3 decades until it was retired in the 1950's. The display now hangs in our conference room and reminds us how long both companies have continued to do busniess for over a century. The steel instruments and items in the display were sewn in place by hand.

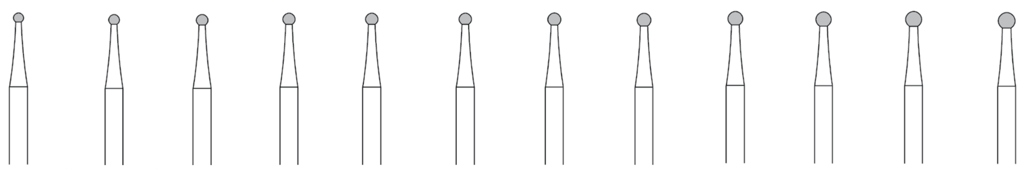
Steel Sets (one of each size)

Fig 1 Round / Redonda 003-014



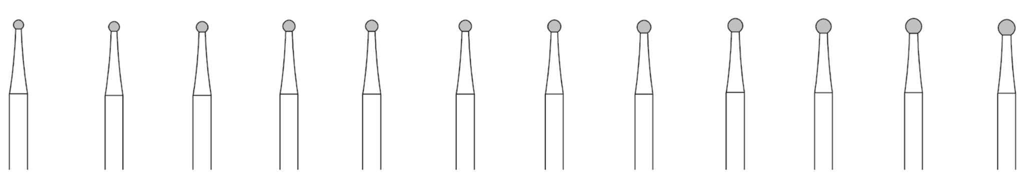
Ø	003	004	005	006	007	008	009	010	011	012	013	014
D_1 (mm)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4

Fig 1 Round / Redonda 015-026



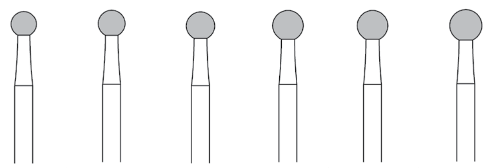
Ø	015	016	017	018	019	020	021	022	023	024	025	026
D_1 (mm)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6

Fig 1 Round / Redonda 010-031



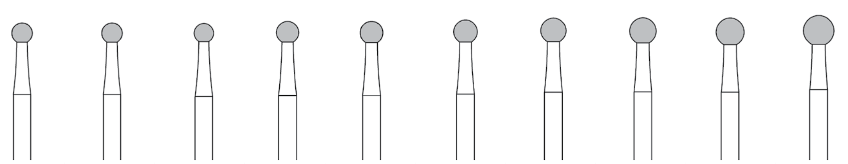
Ø	010	012	014	015	016	018	021	023	025	027	029	031
D_1 (mm)	1.0	1.2	1.4	1.5	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1

Fig 1 Round / Redonda 033-045



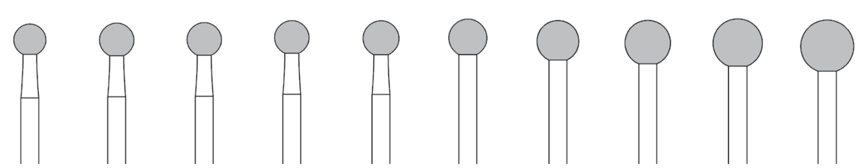
Ø	033	035	037	040	042	045
D_1 (mm)	3.3	3.5	3.7	4.0	4.2	4.5

Fig 1 Round / Redonda 027-042



Ø	027	028	029	030	031	033	035	037	040	042
D_1 (mm)	2.7	2.8	2.9	3.0	3.1	3.3	3.5	3.7	4.0	4.2

Fig 1 Round / Redonda 045-085

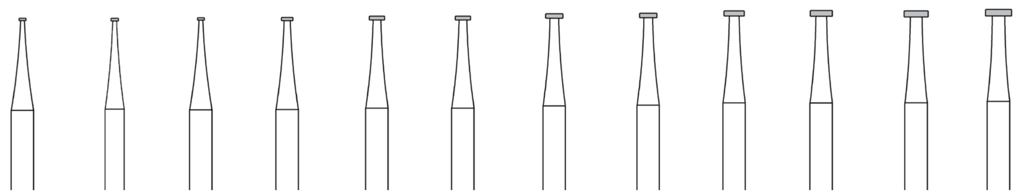


Ø	045	047	050	055	060	065	070	075	080	085
D_1 (mm)	4.5	4.7	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5

Steel Sets (one of each size)

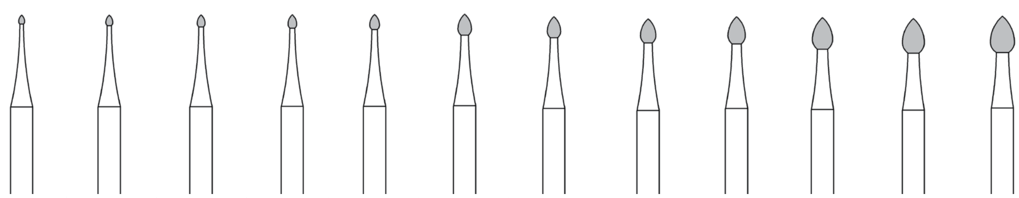
Fig 2 (3) Wheel / Rueda 007-027

NEW



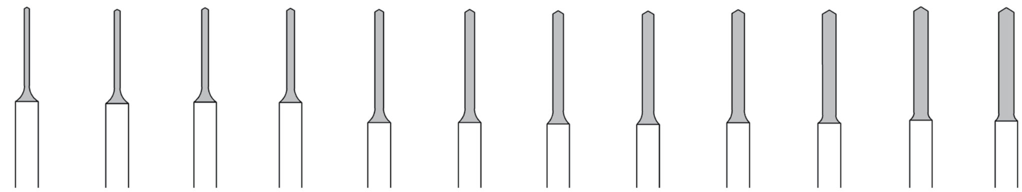
Ø	007	008	009	010	012	014	016	018	021	023	025	027
D_1 (mm)	7.0	8.0	9.0	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.7

Fig 6 Bud / Pimpollo 006-025



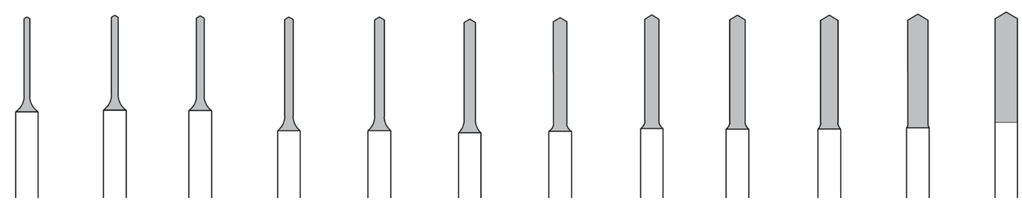
Ø	006	007	008	009	010	012	014	016	018	021	023	025
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5

Fig 77 (203) Twist Drill 005-016



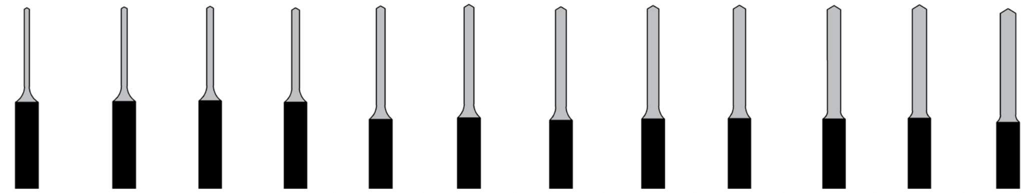
Ø	005	006	007	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6

Fig 77 (203) Twist Drill 006-023



Ø	006	007	008	009	010	012	014	015	016	018	021	023
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.5	1.6	1.8	2.1	2.3

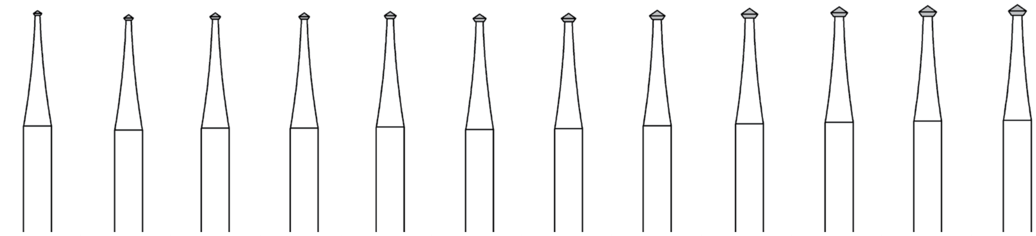
Fig 203HSS Twist Drill High Speed Steel 005-016



Ø	005	006	007	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6

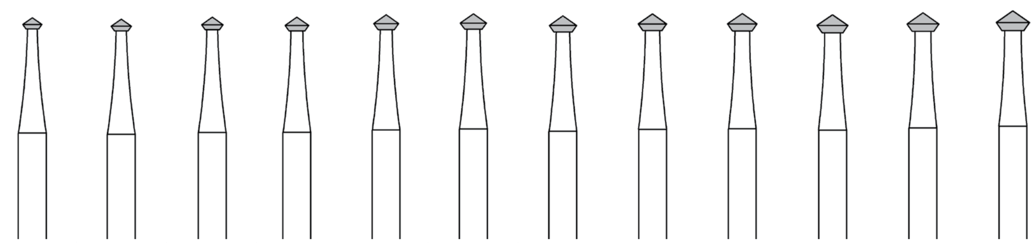
Steel Sets (one of each size)

Fig 156C (414) Hart Burs 007-018



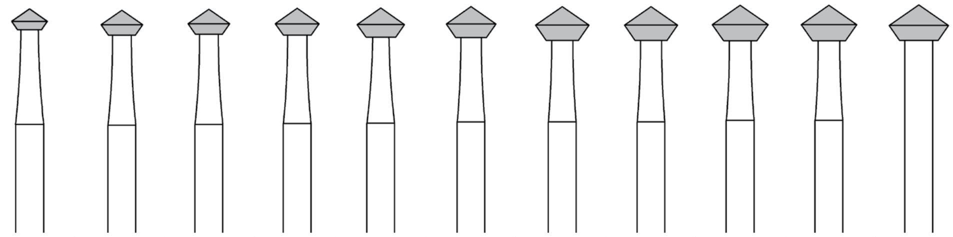
Ø	007	008	009	010	011	012	013	014	015	016	017	018
D_1 (mm)	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8

Fig 156C (414) Hart Burs 019-030



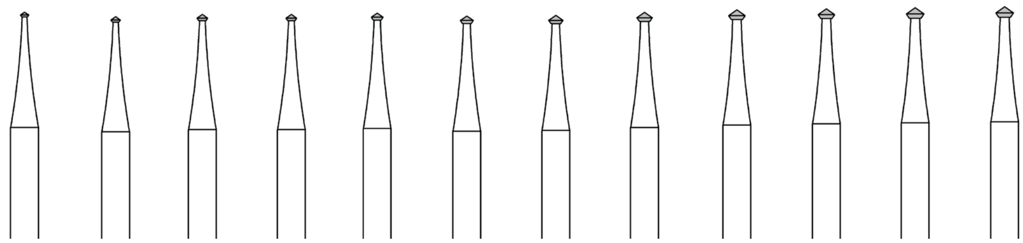
Ø	019	020	021	022	023	024	025	026	027	028	029	030
D_1 (mm)	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0

Fig 156C (414) Hart Burs 031-070



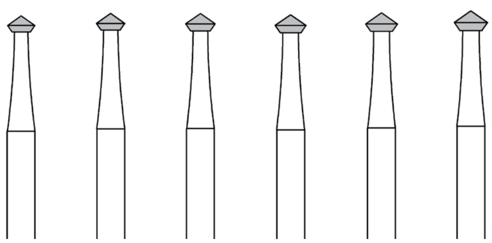
Ø	031	033	035	037	040	042	045	047	050	060	070
D_1 (mm)	3.1	3.3	3.5	3.7	4.0	4.2	4.5	4.7	5.0	6.0	7.0

Fig 156C (414) Hart Burs 010-031



Ø	010	012	014	015	016	018	021	023	025	027	029	031
D_1 (mm)	1.0	1.2	1.4	1.5	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1

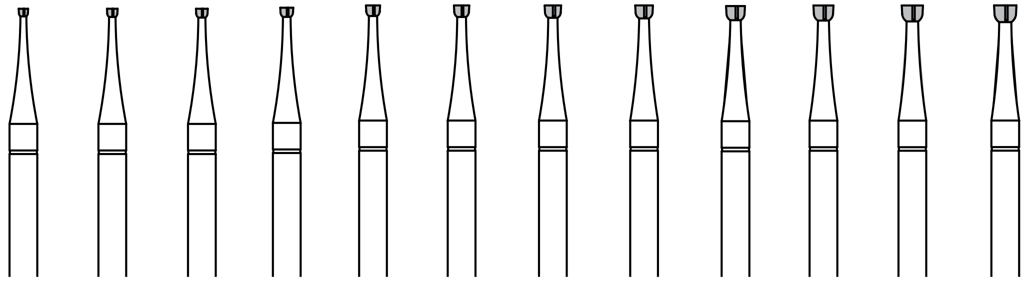
Fig 156C (414) Hart Burs 033-045



Ø	033	035	037	040	042	045
D_1 (mm)	3.3	3.5	3.7	4.0	4.2	4.5

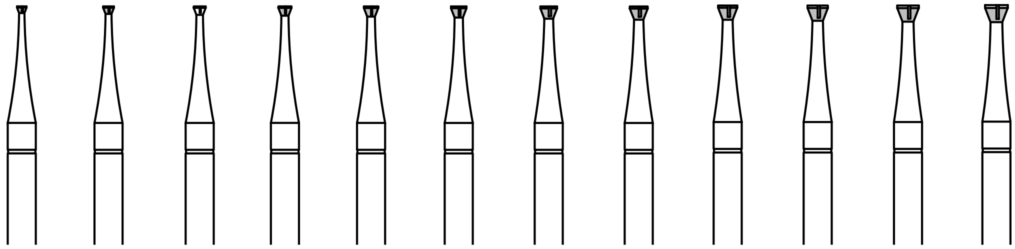
Steel Sets (one of each size)

Fig 411T Twin Cut Cup Bur 008-020



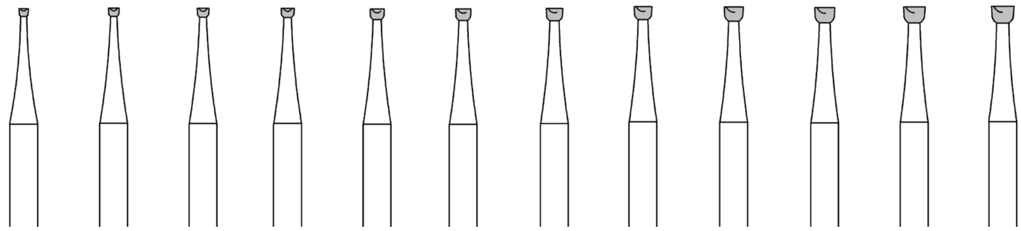
Ø	008	009	010	011	012	013	014	015	016	017	018	020
D_1 (mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.0

Fig 411CT Twin Cut Conical Cup Bur 008-020



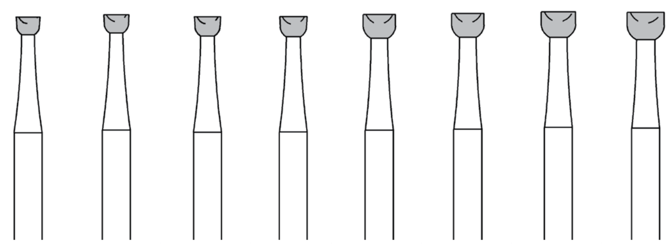
Ø	008	009	010	011	012	013	014	015	016	017	018	020
D_1 (mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.0

Fig 77B (411) Cup Bur 008-019



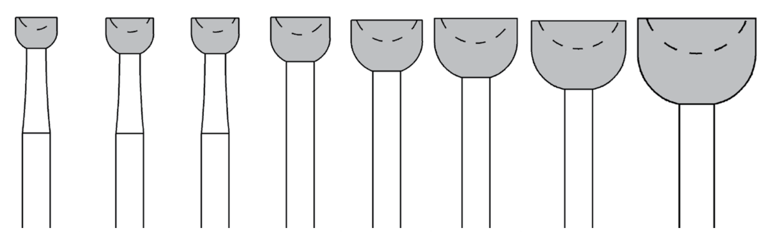
Ø	008	009	010	011	012	013	014	015	016	017	018	019
D_1 (mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9

Fig 77B (411) Cup Bur 020-031



Ø	020	021	022	023	025	027	029	031
D_1 (mm)	2.0	2.1	2.2	2.3	2.5	2.7	2.9	3.1

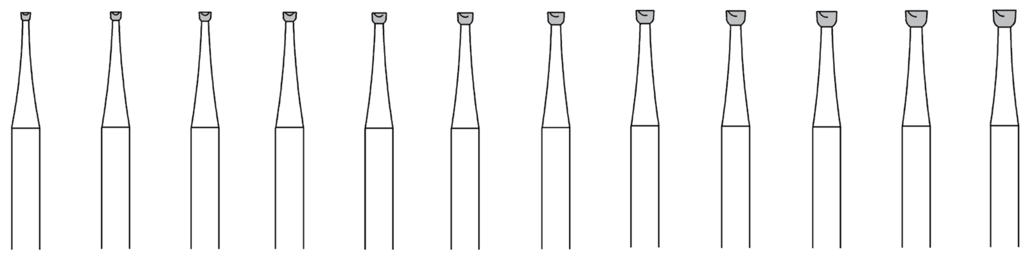
Fig 77B (411) Cup Bur 035-100



Ø	035	040	045	050	060	070	080	100
D_1 (mm)	3.5	4.0	4.5	5.0	6.0	7.0	8.0	10.0

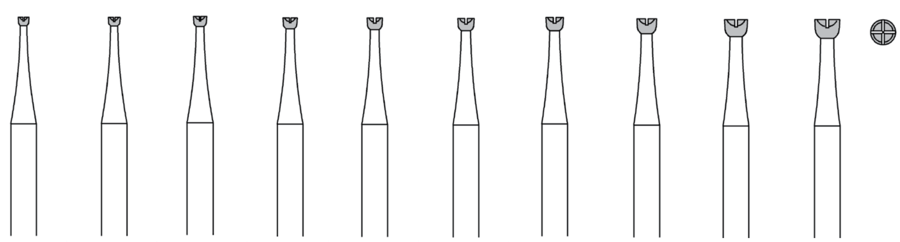
Steel Sets (one of each size)

Fig 77B (411) Cup Bur 010-031



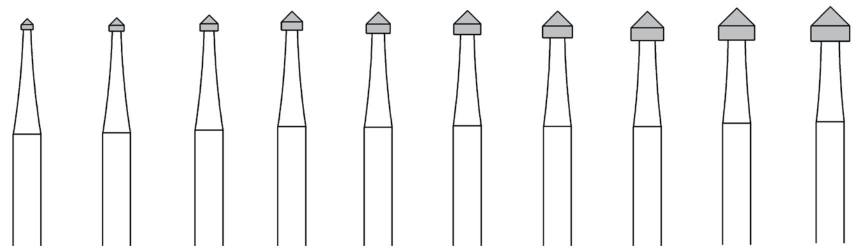
Ø	010	012	014	015	016	018	021	023	025	027	029	031
D_1 (mm)	1.0	1.2	1.4	1.5	1.6	1.8	2.1	2.3	2.5	2.7	2.9	3.1

Fig 411CCC Clean Cut Cup Bur 010-023 Aka the Rodger Special



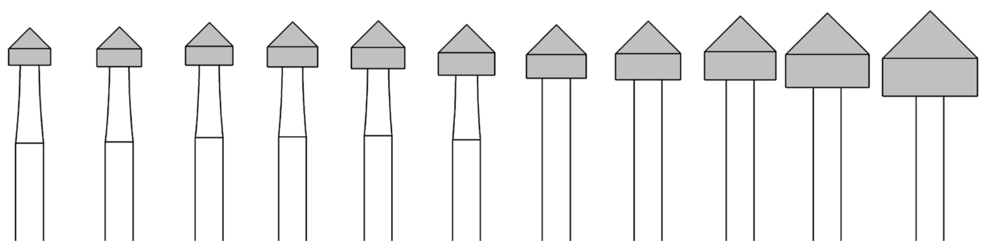
Ø	010	011	012	013	014	015	016	018	021	023
D_1 (mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.1	2.3

Fig 413 Stone Setters 1.00-3.25



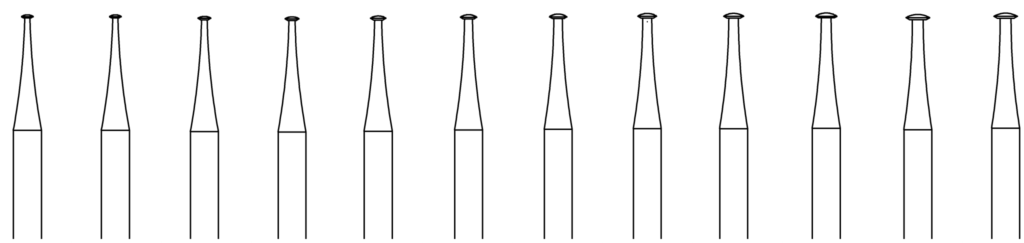
Ø	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25
D_1 (mm)	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25

Fig 413 Stone Setters 3.50-8.00



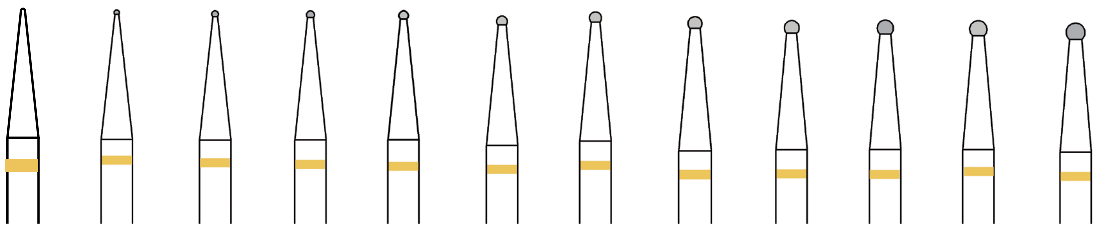
Ø	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.50	6.00	7.00	8.00
D_1 (mm)	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.50	6.00	7.00	8.00

Fig 415 Lens (KE) 010-021

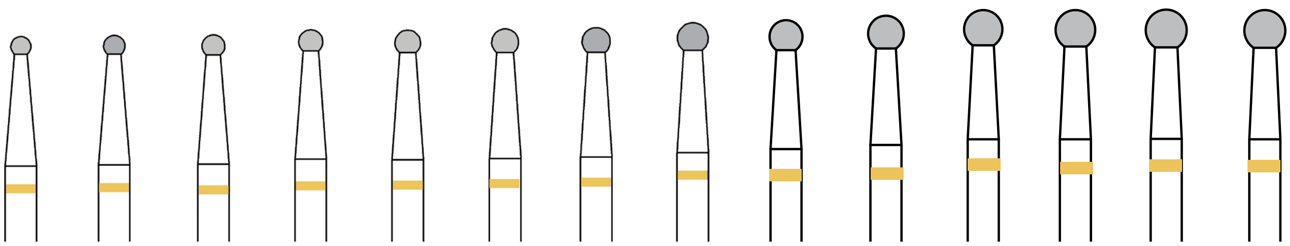


Ø	010	011	012	013	014	015	016	017	018	019	020	021
D_1 (mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1

Fig 1AU - Round / Redonda

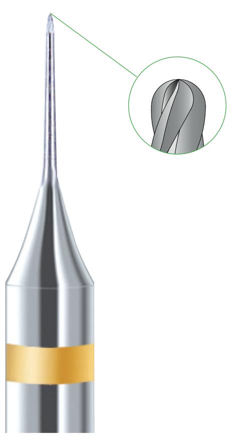


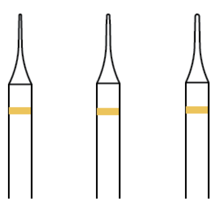
Ø	003	004	005	006	007	088	009	010	011	012	013	014
D_1 (mm)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4



Ø	015	016	017	018	019	020	021	022	023	025	027	029	030	031
D_1 (mm)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5	2.7	2.9	3.0	3.1

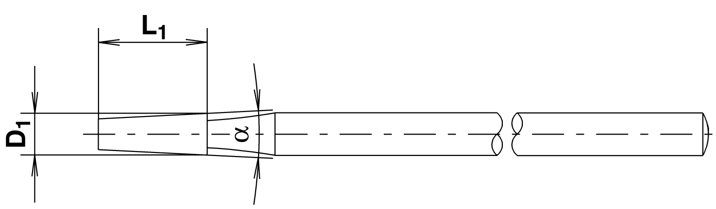
Fig 1Z-AU - Round Cylinder / Redonda Cilíndrico





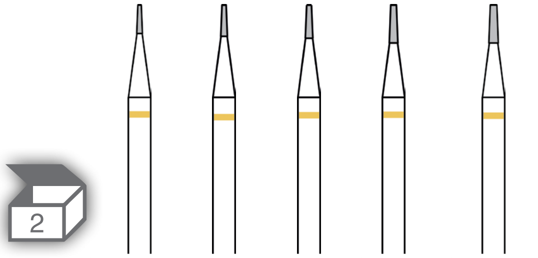
NEW

Ø	002	003	004
D_1 (mm)	0.2	0.3	0.4
L_1 (mm)	0.40	0.60	0.80



Ø	SIZE
D_1 (mm)	Working Part Diameter
L_1 (mm)	Working Part Length

Fig 38AU - Cone / Cónico



Ø	006	007	008	009	010
D_1(mm)	0.6	0.7	0.8	0.9	1.0
L_1(mm)	3.00	3.30	3.50	4.00	4.00
α	4.8°	4.7°	4.9°	4.3°	4.3°

Ø	SIZE
D_1(mm)	Working Part Diameter
L_1(mm)	Working Part Length
α	Working Part Angle

Carbide Saws / By Thickness

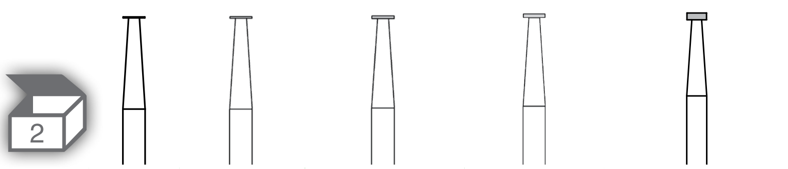
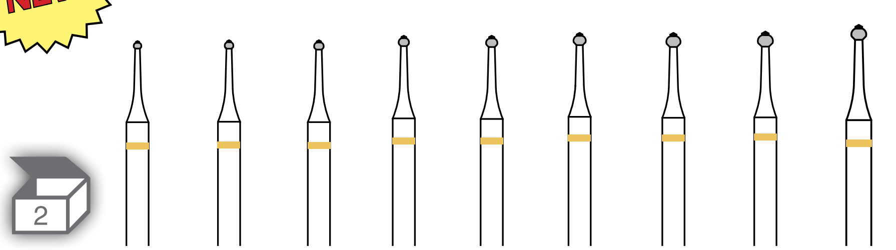


Fig	231	231F	231FL	231FXL	231FXXL
Ø	023	023	023	023	023
D_1(mm)	2.3	2.3	2.3	2.3	2.3
L_1(mm)	0.10	0.20	0.30	0.40	0.80

Fig 447AU - 2 in 1 / Twist Drill and Round Bur



Ø	008	009	010	011	012	013	014	015	016
D_1(mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
L_1(mm)	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60

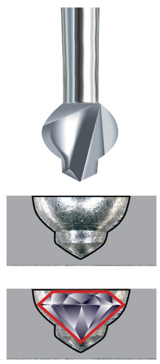
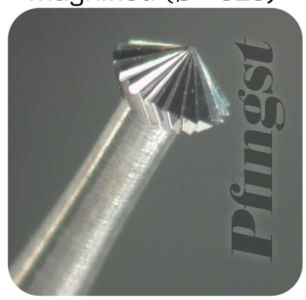
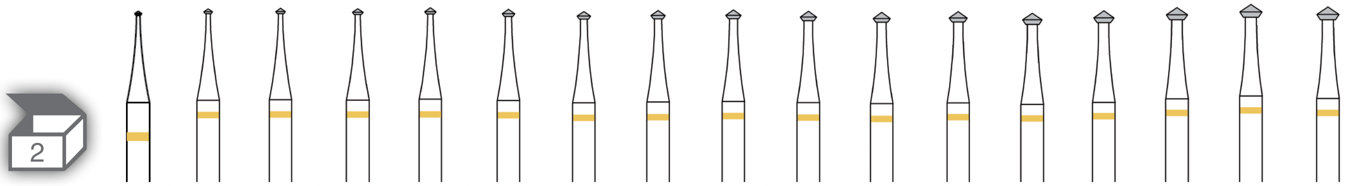


Fig 414AU - Hart Burs

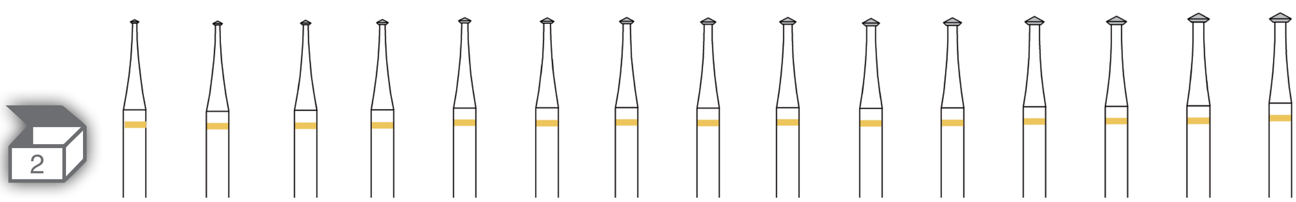
Magnified (Ø - 023)





Ø	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D_1 (mm)	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
L_1 (mm)	0.41	0.46	0.52	0.58	0.64	0.69	0.76	0.81	0.88	0.93	0.99	1.04	1.11	1.16	1.24	1.29	1.34
β	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°

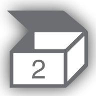
Fig 446AU - Shallow Hart Burs

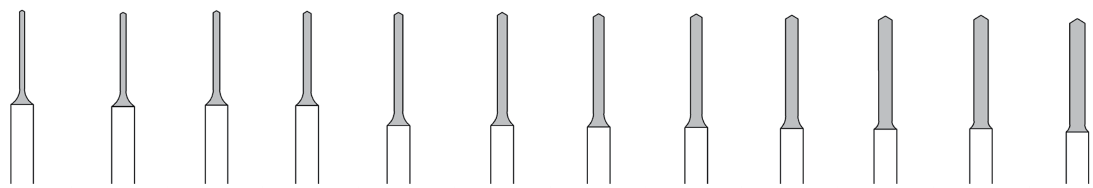


Ø	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D_1 (mm)	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
L_1 (mm)	0.39	0.43	0.47	0.51	0.55	0.59	0.64	0.68	0.72	0.76	0.80	0.84	0.89	0. 93	0.97
β	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°

Ø	SIZE
D_1 (mm)	Working Part Width
L_1 (mm)	Working Part Length
β	Working Part Angle

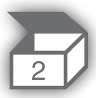
Fig 4203S - Carbide Twist Drill

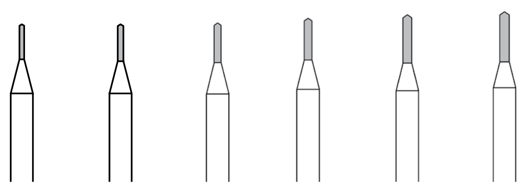




Ø	005	006	007	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
L_1 (mm)	10.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

Fig 4205S - Carbide Twist Drill (Short)





Ø	005	006	007	008	009	010
D_1 (mm)	0.5	0.6	0.7	0.8	0.9	1.0
L_1 (mm)	3.70	3.90	4.20	4.40	5.10	5.30

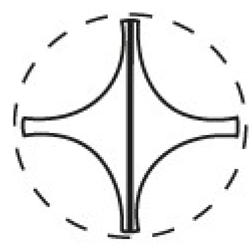
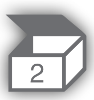
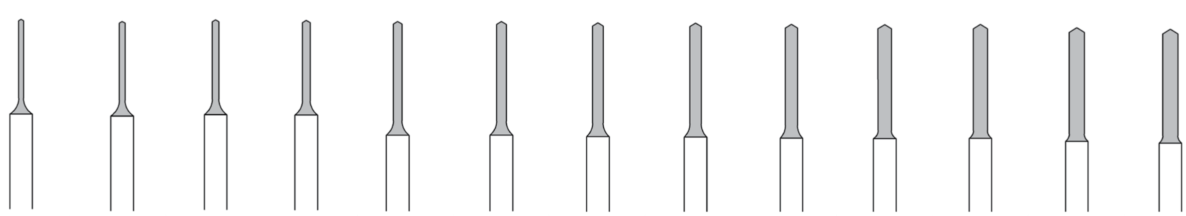


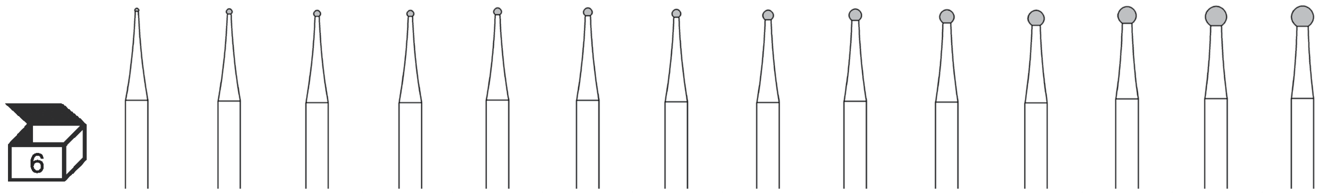
Fig 4203 - Carbide Pearl Drills



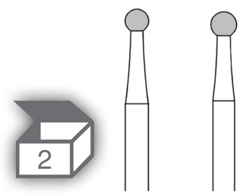


Ø	007	008	009	010	011	012	013	014	015	016	018	021	023
D_1 (mm)	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.1	2.3
L_1 (mm)	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

Fig 1 Round / Redonda

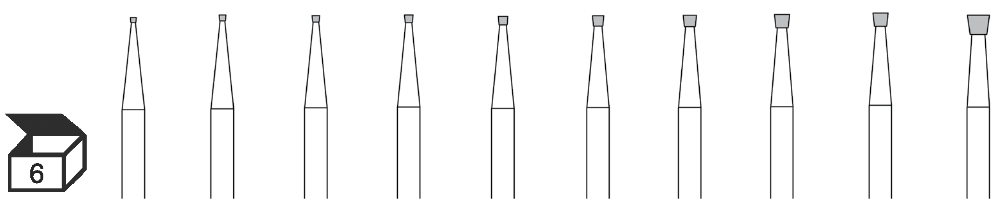


Ø	003	004	005	006	007	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3



Ø	025	027
D_1 (mm)	2.5	2.7

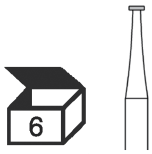
Fig 3 (2) Inverted Cone / Cono Invertido



Ø	006	007	008	009	010	012	014	016	018	023
D_1 (mm)	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.3
L_1 (mm)	0.55	0.60	0.70	0.80	0.90	1.10	1.20	1.40	1.65	2.00
α	8.3°	9.5°	9.8°	10.7°	9.5°	10.4°	11.9°	12.2°	12.1°	15.3°

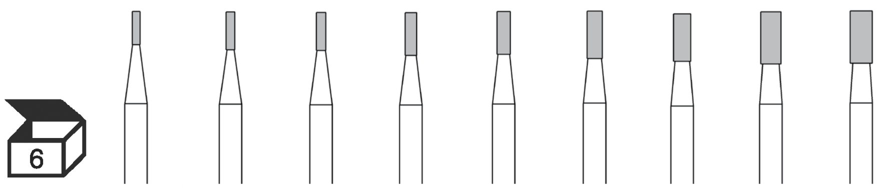
Ø	SIZE
D_1 (mm)	Working Part Diameter
L_1 (mm)	Working Part Length
α	Working Part Angle

Fig 2 (3) Wheel / Rueda



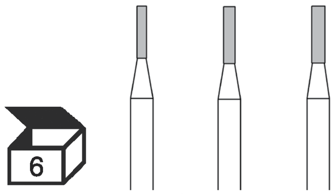
Ø	012
D_1 (mm)	1.2
L_1 (mm)	0.35

Fig 15 (21) Cylinder / Cilíndrico



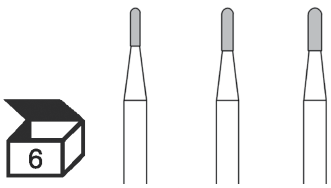
Ø	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3
L_1 (mm)	3.50	4.00	4.00	4.50	4.50	5.00	5.00	5.50	5.50

Fig 15L (21L)



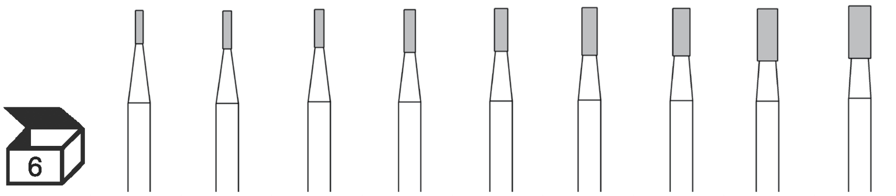
Ø	010	012	014
D_1 (mm)	1.0	1.2	1.4
L_1 (mm)	5.50	6.00	6.00

Fig 15U (21R)



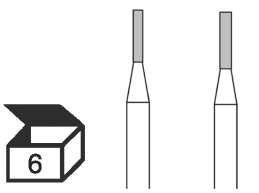
Ø	010	012	014
D_1 (mm)	1.0	1.2	1.4
L_1 (mm)	4.00	4.50	4.50

Fig 21 (31) Cylinder / Cilíndrico



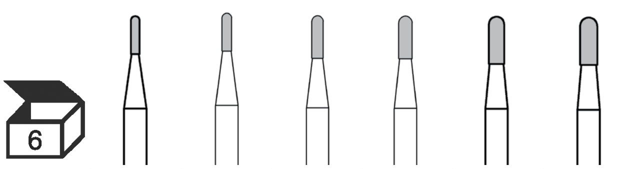
Ø	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3
L_1 (mm)	3.50	4.00	4.00	4.50	4.50	5.00	5.00	5.50	5.50

Fig 21L (31L) Cylinder / Cilíndrico



Ø	010	012
D_1 (mm)	1.0	1.2
L_1 (mm)	5.50	6.00

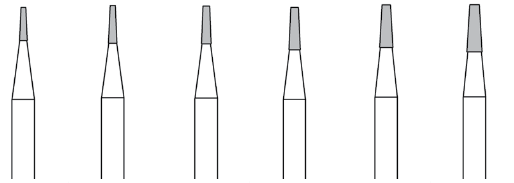
Fig 21U (31R) Cylinder / Cilíndrico



Ø	009	010	012	014	016	018
D_1 (mm)	0.9	1.0	1.2	1.4	1.6	1.8
L_1 (mm)	4.00	4.00	4.50	4.50	5.00	5.00

Ø	SIZE
D_1 (mm)	Working Part Diameter
L_1 (mm)	Working Part Length
α	Working Part Angle

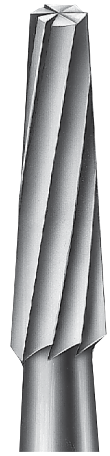
Fig 17 (23) Cone / Cónico

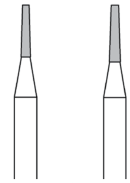


6

Ø	008	009	010	012	014	016
D_1 (mm)	0.8	0.9	1.0	1.2	1.4	1.6
L_1 (mm)	3.50	4.00	4.00	4.50	4.50	5.00
α	4.9°	4.3°	4.3°	5.0°	6.3°	6.8°

Fig 17L (23L)

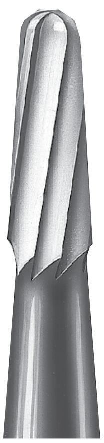


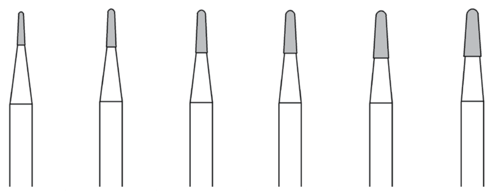


6

Ø	010	012
D_1 (mm)	1.0	1.2
L_1 (mm)	5.50	6.00
α	3.1°	3.8°

Fig 17U (23R)

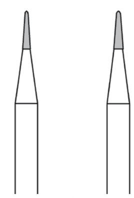




6

Ø	008	010	012	014	016	018
D_1 (mm)	0.8	1.0	1.2	1.4	1.6	1.8
L_1 (mm)	3.50	4.00	4.50	4.50	5.00	5.00
α	4.9°	4.3°	5.0°	6.3°	6.8°	8.0°

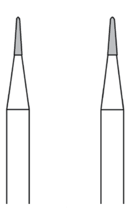
Fig 23SR



6

Ø	008	010
D_1 (mm)	0.8	1.0
L_1 (mm)	4.00	4.00
α	7.6°	9.2°

Fig 23SRX



6

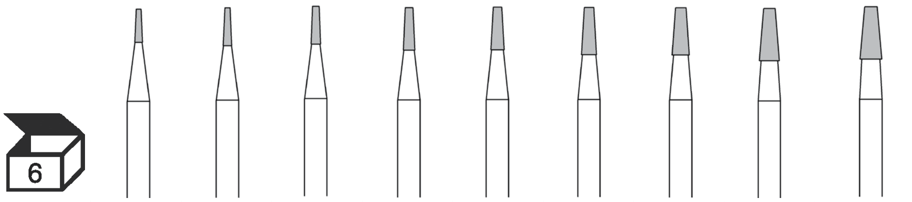
Ø	008	010
D_1 (mm)	0.8	1.0
L_1 (mm)	4.00	4.00
α	7.6°	9.2°

Fig 23SRF

6

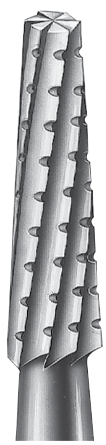
Ø	010
D_1 (mm)	1.0
L_1 (mm)	4.00
α	9.2°

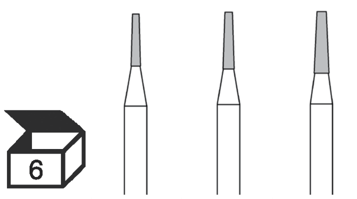
Fig 23 (33) Cone / Coníco



Ø	008	009	010	012	014	016	018	021	023
D_1 (mm)	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3
L_1 (mm)	3.50	4.00	4.00	4.50	4.50	5.00	5.00	5.50	5.50
α	4.9°	4.3°	4.3°	5.0°	6.3°	6.8°	8.0°	9.3°	10.3°

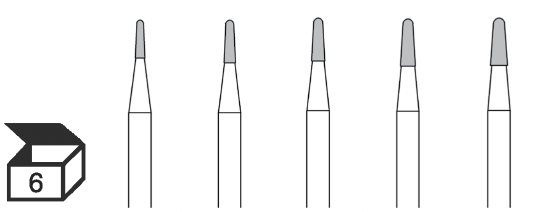
Fig 23L (33L) Cone / Coníco





Ø	010	012	016
D_1 (mm)	1.0	1.2	1.6
L_1 (mm)	5.50	6.00	6.50
α	3.1°	3.8°	5.3°

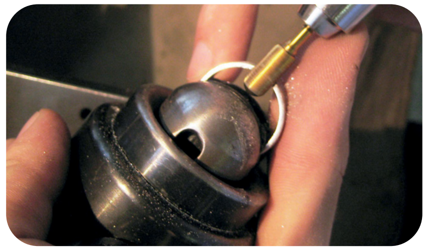
Fig 23U (33R) Cone / Coníco



Ø	010	012	014	016	018
D_1 (mm)	1.0	1.2	1.4	1.6	1.8
L_1 (mm)	4.00	4.50	4.50	5.00	5.00
α	4.3°	5.0°	6.3°	6.8°	8.0°

Ø	SIZE
D_1 (mm)	Working Part Diameter
L_1 (mm)	Working Part Length
α	Working Part Angle

TSPEED - Titanium Nitride Coated Carbides

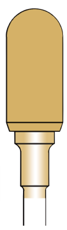


The carbide cutter range SPEED is suitable for all usual precious metal alloys for form cutting and contouring of the insides of rings, e.g. after soldering settings.

In the scope of the casting technique you can also clean gate marks and/or casting burrs.

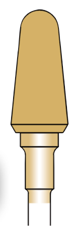
The TiN coating optimizes the service life of the cutter.

T426SPEED



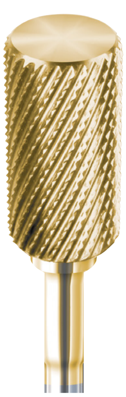
Ø	060
D_1 (mm)	6.0
L_1 (mm)	13.0

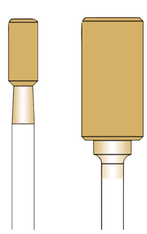
T429SPEED



Ø	060
D_1 (mm)	6.0
L_1 (mm)	13.0

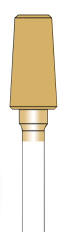
T431SPEED





Ø	031	065
D_1 (mm)	3.1	6.0
L_1 (mm)	7.00	13.0

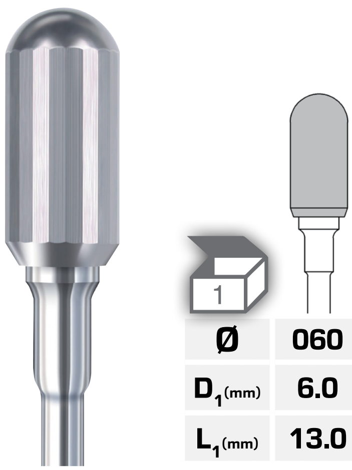
T434SPEED



Ø	050
D_1 (mm)	5.00
L_1 (mm)	13.0

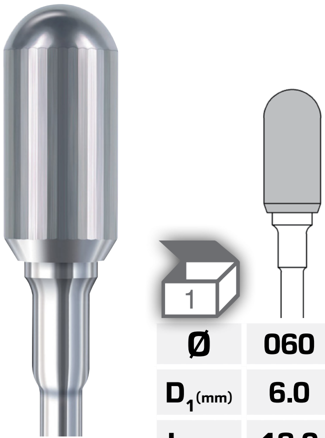
Carbide Ramrollers (Embossing)

RR426M - 22 sided



Ø	060
D_1 (mm)	6.0
L_1 (mm)	13.0

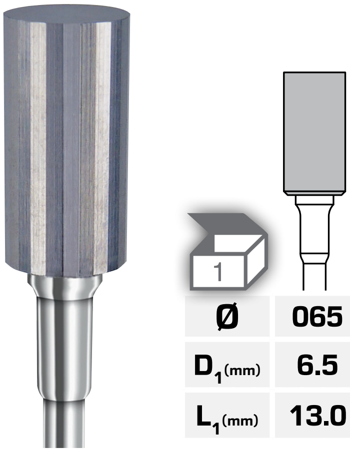
RR426F - 36 sided



Ø	060
D_1 (mm)	6.0
L_1 (mm)	13.0

RR431M - 22 sided

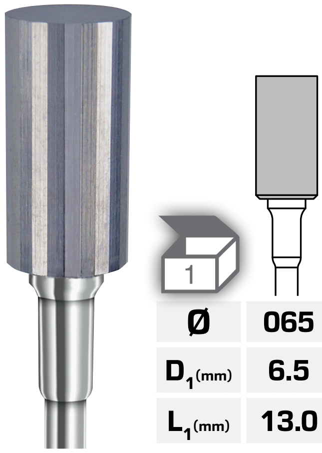
NEW



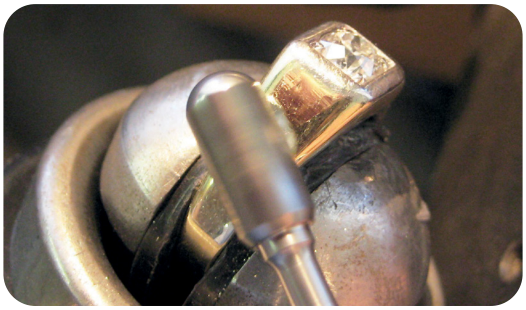
Ø	065
D_1 (mm)	6.5
L_1 (mm)	13.0

RR431F - 36 sided

NEW

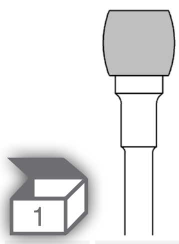


Ø	065
D_1 (mm)	6.5
L_1 (mm)	13.0



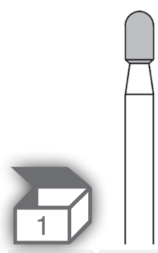
Carbide Polishers Starlight

550

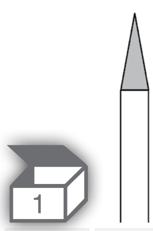
Ø	060
D_1 (mm)	6.0
L_1 (mm)	5.50

552

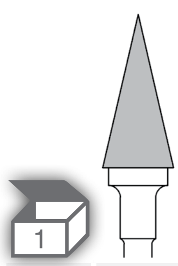
Ø	023
D_1 (mm)	2.3
L_1 (mm)	4.00

553

Ø	023
D_1 (mm)	2.3
L_1 (mm)	6.5

554

Ø	060
D_1 (mm)	6.0
L_1 (mm)	13.0

Carbide Sets (One of Each)

5110 Starlight

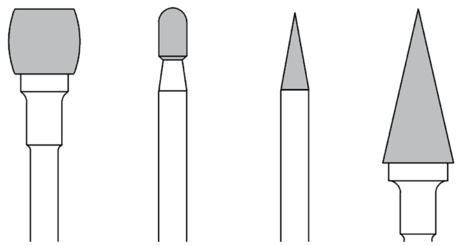
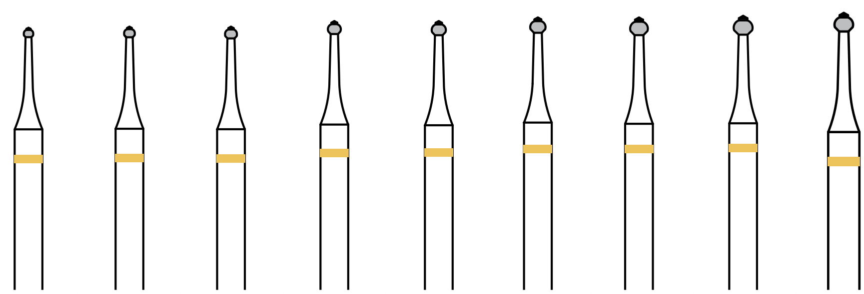


Fig.	550	552	553	554
Ø	060	023	023	060
D_1 (mm)	5.5	4.0	6.5	13.0

PavéCut Set 447AU

NEW



Ø	008	009	010	011	012	013	014	015	016
D_1 (mm)	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6

Pavé Set 5120

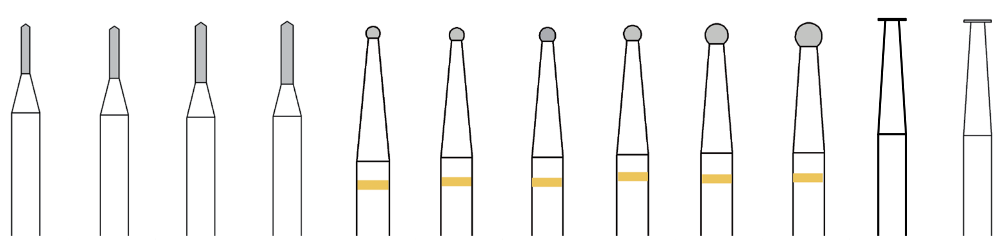
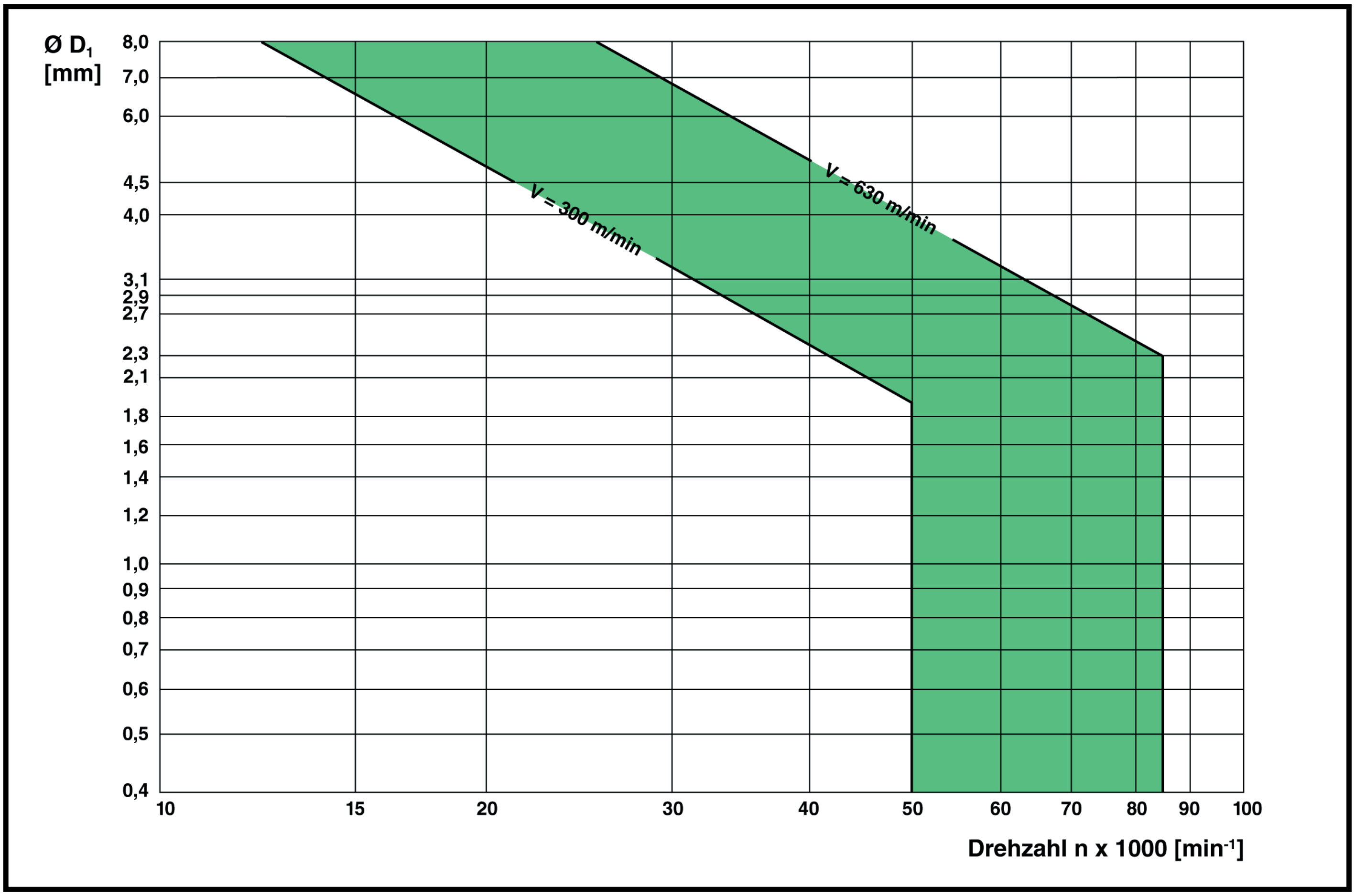


Fig.	4205S	4205S	4205S	4205S	1AU	1AU	1AU	1AU	1AU	1AU	231F	231FL
Ø	007	008	009	010	010	012	014	016	018	023	023	023
D_1 (mm)	7.0	0.8	0.9	1.0	1.0	1.2	1.4	1.6	1.8	2.3	2.3	2.3

A Logirithmic Rotational Speed Diagram for Busch Carbide Burs
(suggested by the manufacturer)



Carbide cutters are suitable for working on steel, precious metals and their alloys as well as softer materials. The number of revolutions to be determined in this diagram are optimum figures in both technical and economical respect. However, a lower number of revolutions can be applied according to the work performed and results to be obtained. The maximum admissible speed mentioned on the package is not allowed to be exceeded due to safety regulation.

Pink Stones / Aluminium Oxide

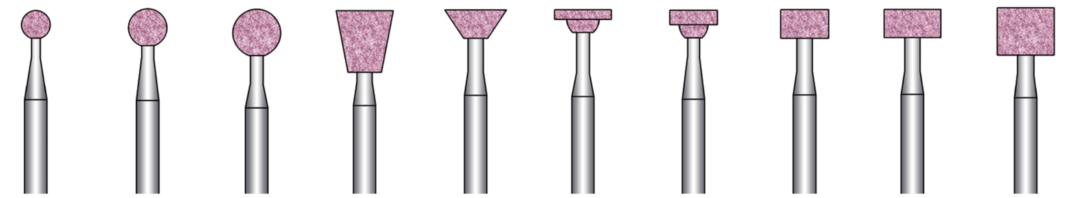


Fig.	601	602	603	609	613	621	619	620	623	624
Ø	030	040	050	060	065	060	050	050	060	060
D_1 (mm)	3.0	4.0	5.0	6.0	6.5	6.0	5.0	5.0	6.0	6.0
L_1 (mm)	-	-	-	6.50	3.00	1.00	1.50	3.00	3.00	5.00
α	-	-	-	21.8°	67.4°	-	-	-	-	-

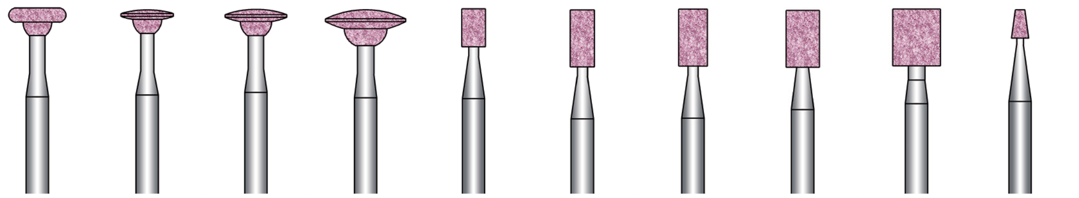


Fig.	627	631	632	633	636	637	638	639	640	646
Ø	060	055	065	085	025	025	030	035	050	018
D_1 (mm)	6.00	5.50	6.50	8.50	2.50	2.50	3.00	3.50	5.00	1.80
L_1 (mm)	1.50	1.00	1.30	2.00	4.00	6.00	6.00	6.00	6.00	3.00
α	-	-	-	-	-	-	-	-	-	15.2°

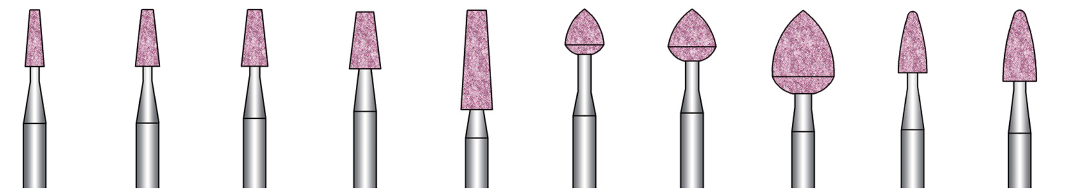


Fig.	648	649	650	651	652	656	657	658	661	662
Ø	020	025	028	033	033	040	050	065	030	035
D_1 (mm)	2.00	2.50	2.80	3.30	3.30	4.00	5.00	6.5	3.00	3.50
L_1 (mm)	6.00	6.00	6.00	6.00	10.50	4.80	5.50	8.80	6.50	7.50
α	9.5°	12.4°	12.4°	14.3°	7.1°	-	-	-	-	-

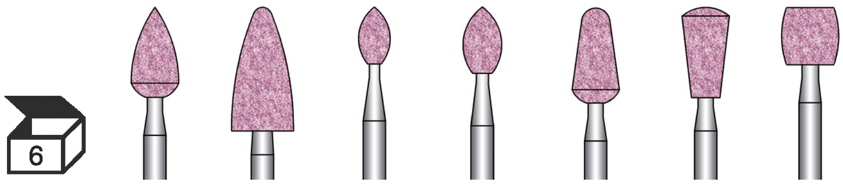


Fig.	663	665	666	667	671	677	682
Ø	050	065	033	040	050	050	060
D_1 (mm)	5.00	6.50	3.30	4.00	5.00	5.00	6.00
L_1 (mm)	9.50	13.00	6.00	7.00	10.00	9.50	6.00

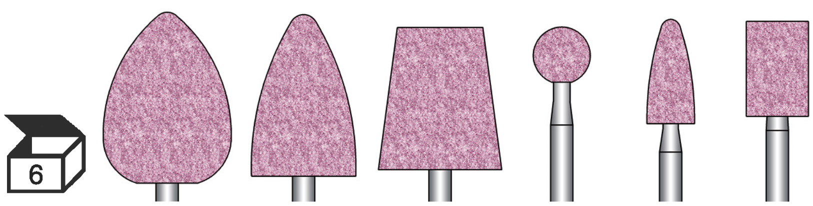


Fig.	743	744	749	755	759	760
Ø	135	110	130	060	050	065
D_1 (mm)	13.50	11.00	13.00	6.00	5.00	6.50
L_1 (mm)	18.00	17.00	15.00	-	11.00	10.00

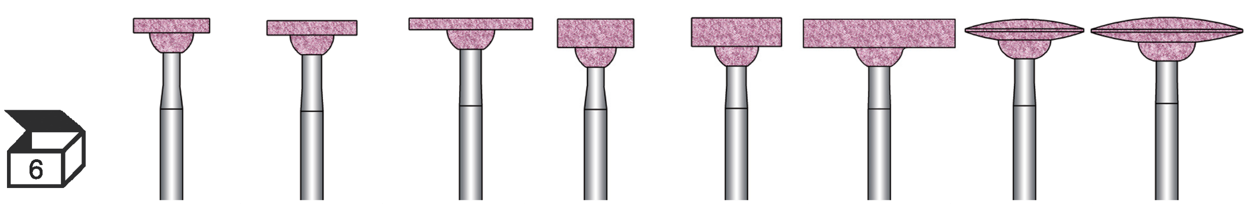


Fig.	701	702	703	711	712	716	721	722
Ø	080	095	130	080	095	160	125	160
D_1 (mm)	8.00	9.50	13.00	8.00	9.50	16.00	12.50	16.00
L_1 (mm)	1.50	1.50	1.20	3.00	3.00	3.00	2.16	2.60

Green Wheels / Silicon Carbide

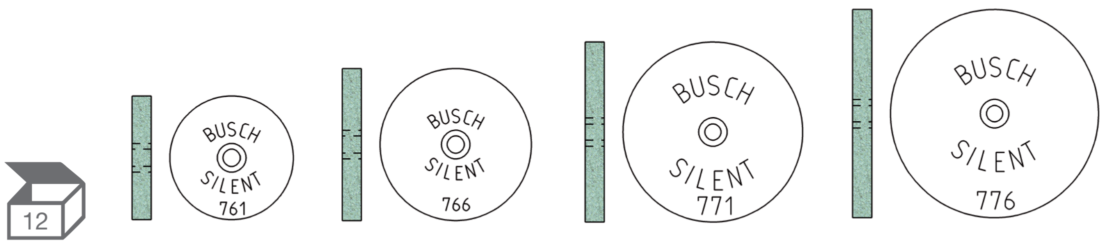


Fig.	761	766	771	776
Ø	130	160	190	220
D_1 (mm)	13.00	16.00	19.00	22.00
L_1 (mm)	2.00	2.00	2.00	2.00

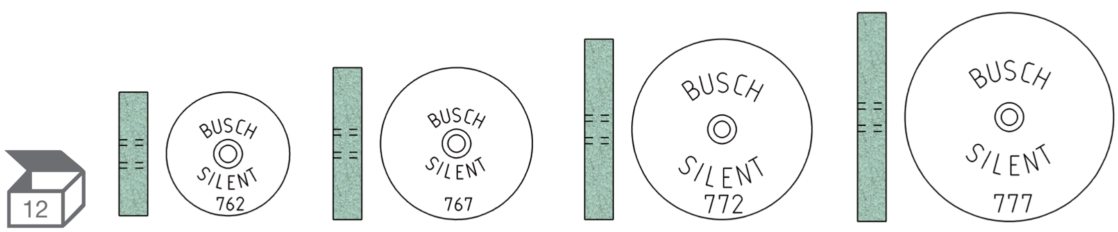


Fig.	762	767	772	777
Ø	130	160	190	220
D_1 (mm)	13.00	16.00	19.00	22.00
L_1 (mm)	3.00	3.00	3.00	3.00

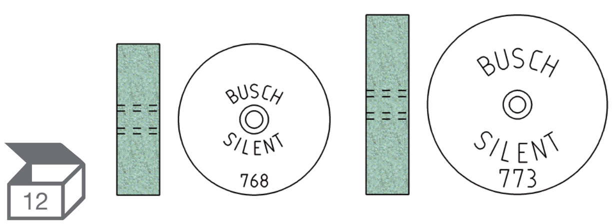
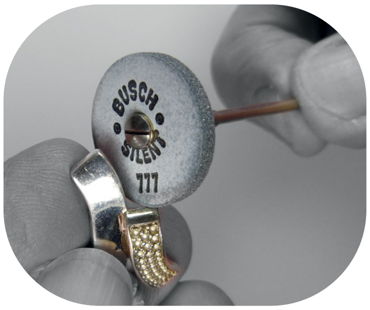
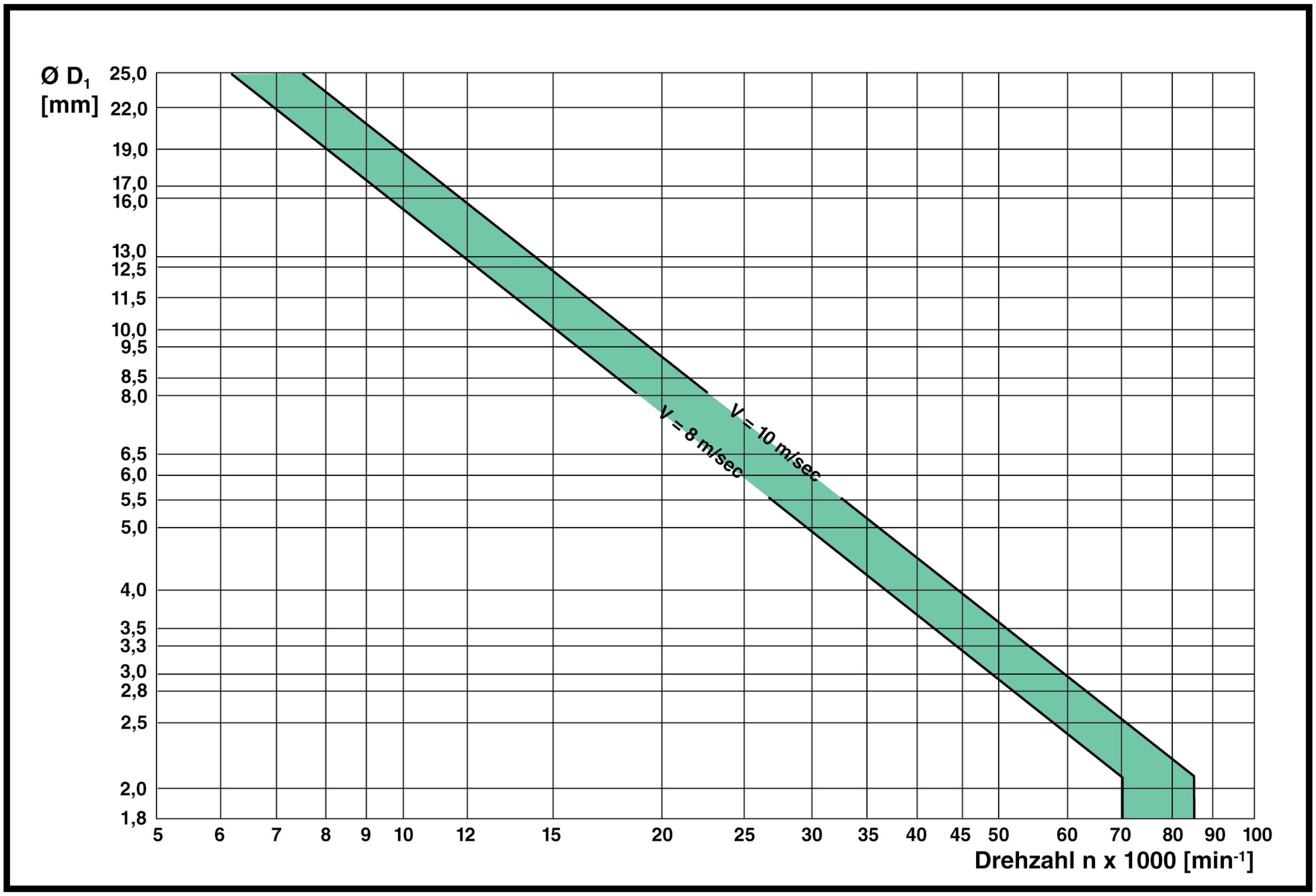


Fig.	768	773
Ø	160	190
D_1 (mm)	16.00	19.00
L_1 (mm)	4.50	4.50



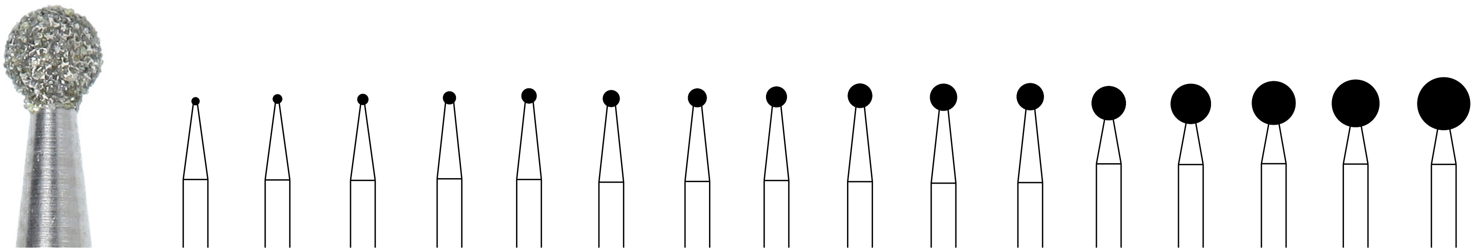
A Logirithmic Rotational Speed Diagram for Busch Abrasives
(suggested by the manufacturer)



High-grade corundum abrasives are suitable for working on all kinds of steel, precious metals and their alloys. SILENT stones are suitable for use on precious metals and their alloys and ceramic.

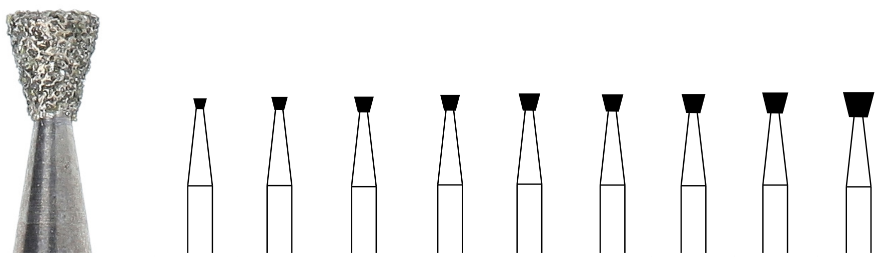
The finest polish is achieved by using the SILENT stones. The number of revolutions to be determinded in this diagram are optimum figures in both technical and economical respect. However, a lower number of revolutions can be applied according to the work performed and results to be obtained. The maximum admissible speed mentioned on the package is not allowed to be exceeded due to safety regulations.

001 (801, 6801, 8801)



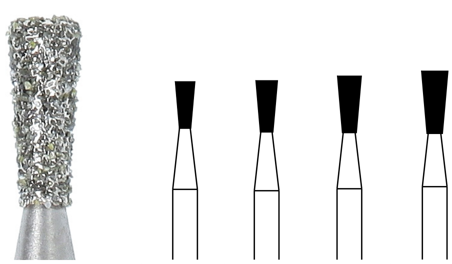
L_1 (mm)	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.9	3.3	4.2	4.5	5.0
H 001	005	007	009	010	012	014	015	018	021	023	025	029	033	042	045	050
H 001 G										023	025		033			
H 001 C			009		012			018								
Pack of 1																

010 (805, 8805)



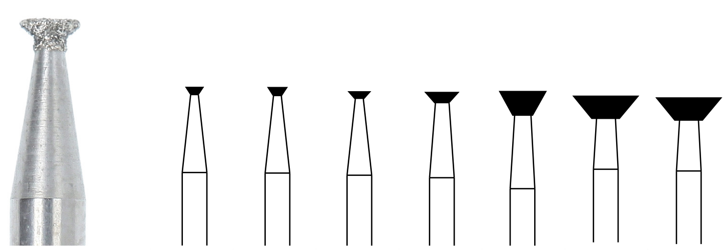
L_1 (mm)	1.0	1.1	1.6	1.6	1.6	1.6	2.0	2.0	2.0
H 010	009	010	012	014	016	018	021		025
H 010 C						018		023	
Pack of 1									

225 (807, 8807)



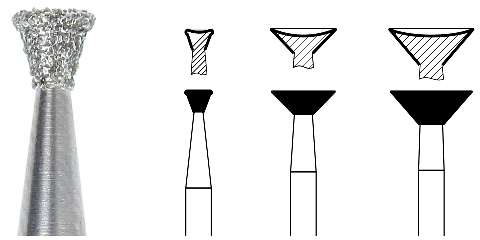
L_1 (mm)	-	-	-	-
H 225	018	021	023	025
H 225 C	018			
Pack of 1				

014 (805) (805A)



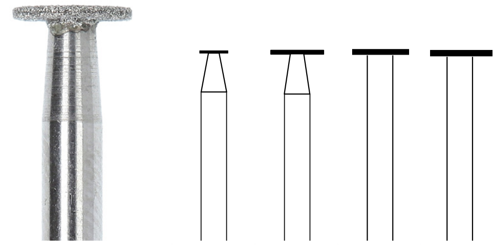
L_1 (mm)	0.6	0.7	1.0	1.5	2.8	2.0	2.0
H 023	018	021	025	040	047	059	060
Pack of 1							

023 (812) (814)



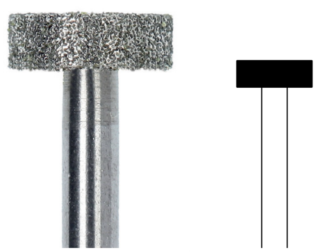
L1 (mm)	2.0	2.0	3.0
H 023	025	057	073
Pack of 1			

041 (818)



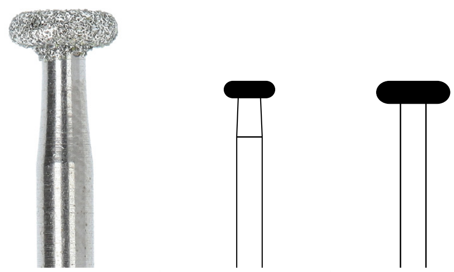
L1 (mm)	0.5	0.5	0.5	0.5
H 041	025	047	061	073
Pack of 1				

042 (820)



L1 (mm)	2.3
H 042	067
Pack of 1	

068 (909)

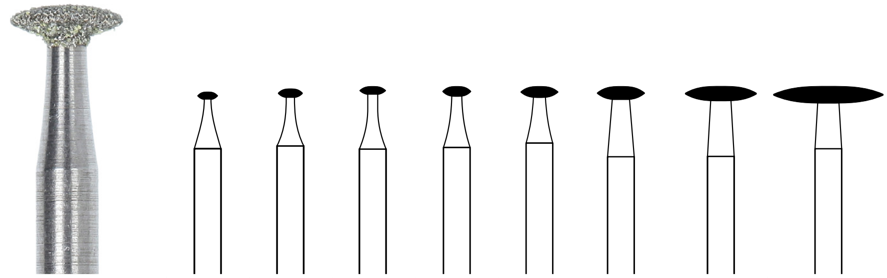


L1 (mm)	1.5	2.0
H 068	045	065
Pack of 1		

257 (368, 8368)

L1 (mm)	5.0
H 257	023
H 257 C	023
Pack of 1	

304 (825, 8825)



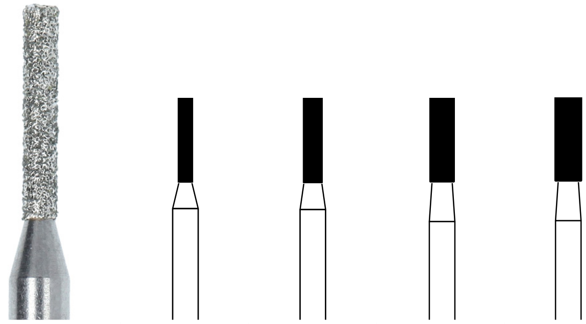
L1 (mm)	0.8	0.7	0.7	0.9	1.0	1.1	1.3	1.5
H 304	018	021	023	025	033	042	063	097
H 304 C				025			063	
Pack of 1								

Grit Grano	Normal [N]	X-Coarse [X]	Coarse [G]	Fine [C]	X-Fine [F]	Ultra-Fine [U]	UU-Fine [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

109 (835)

L$_1$ (mm)	4.0
H 109	014
Pack of 1	

111 (837)

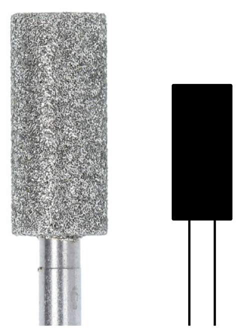


L$_1$ (mm)	8.0	8.0	8.0	8.0
H 111	014	018	023	025
Pack of 1				

112 (837L)

L$_1$ (mm)	10.0
H 112	014
Pack of 1	

113 (842)

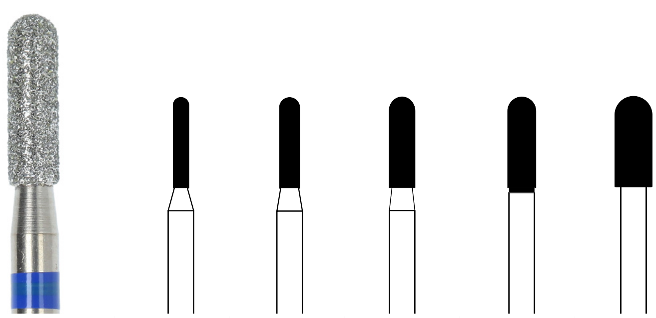


L$_1$ (mm)	12.0
H 113	053
Pack of 1	

274 (863, 5863)

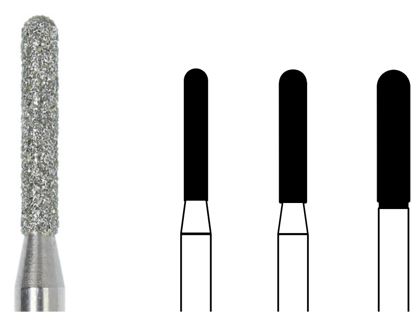
L$_1$ (mm)	15.0
H 274	060
H 274 X	060
Pack of 1	

141 (881)



L$_1$ (mm)	8.0	8.0	8.0	8.0	8.0
H 114	014	018	023	025	033
H 114 N				025	
Pack of 1					

142 (882, 8882)

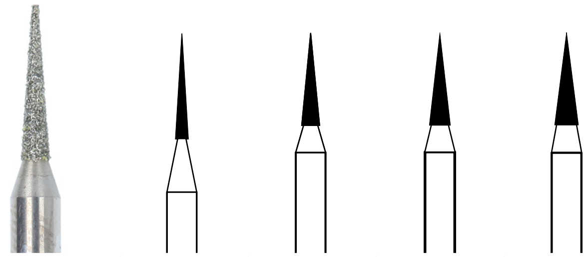


L$_1$ (mm)	10.0	10.0	10.0
H 142	018		025
H 142 C		021	
Pack of 1			

164 (956)

L1 (mm)	4.0
H 164	009
Pack of 1	

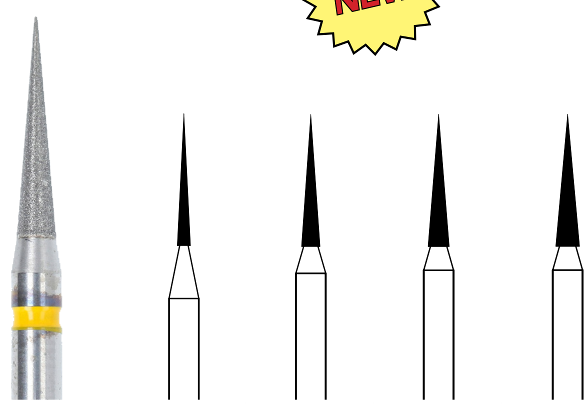
165 (858)



L1 (mm)	8.0	7.0	7.0	7.0
H 165	010	014	016	018
Pack of 1				

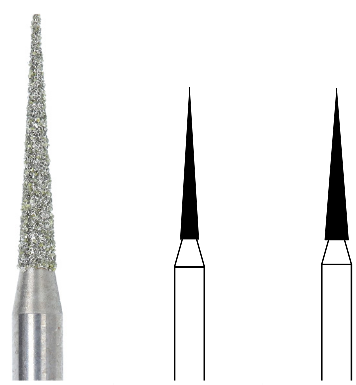
166 (859, 8859, 859EF)

NEW



L1 (mm)	10.0	10.0	10.0	10.0
H 166	010	014	016	018
H 166 C				018
H 166 F	010	014		018
Pack of 1				

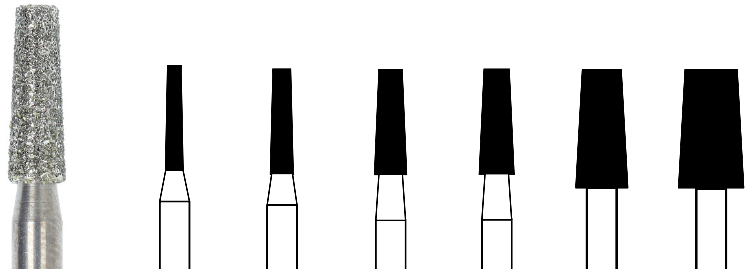
167 (859L, 8859L, 859L EF)



L1 (mm)	11.5	11.5
H 167	014	018
H 167 C		018
H 167 F		018
Pack of 1		

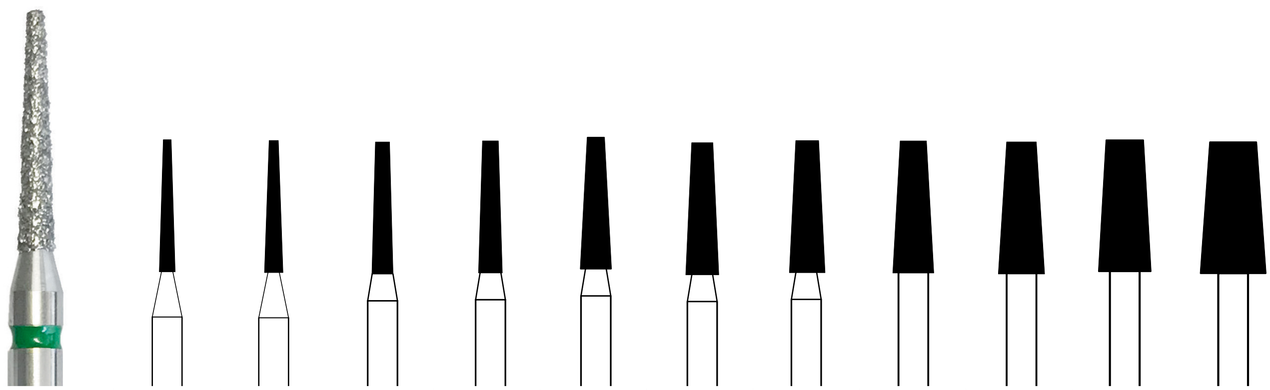
Grit Grano	Normal [N]	X-Coarse [X]	Coarse [G]	Fine [C]	X-Fine [F]	Ultra-Fine [U]	UU-Fine [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

172 (847, 6847)



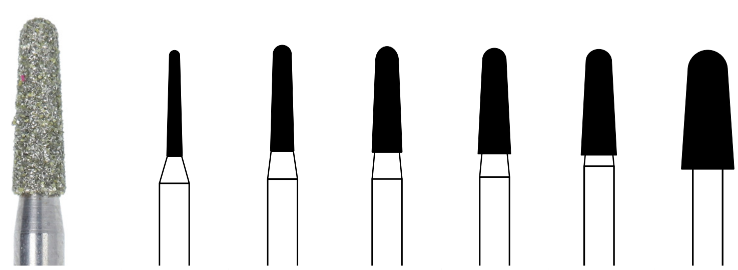
L_1 (mm)	8.0	8.0	8.0	8.0	9.0	9.0
H 172	014	018	025	027	040	050
H 172 G					040	
Pack of 1						

173 (848, 6848)



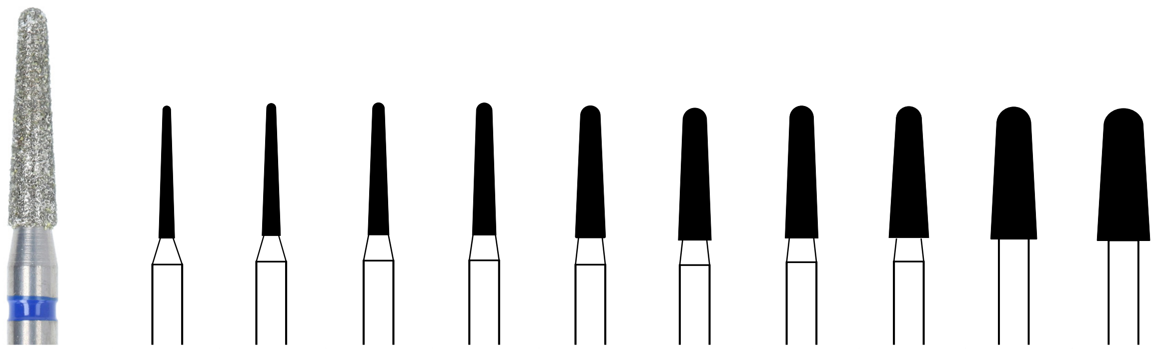
L_1 (mm)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
H 173	012	014	016	018	023	025	027	031	035	040	050
H 173 G				018							
Pack of 1											

198 (856, 6856)



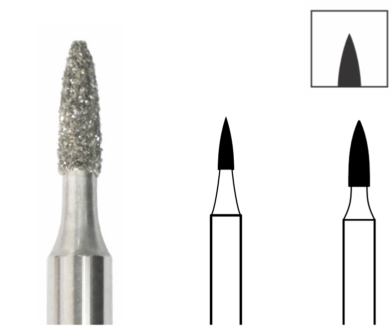
L_1 (mm)	8.0	8.0	8.0	8.0	8.0	9.0
H 198	012	018	023	025	027	040
H 198 G				025		040
Pack of 1						

199 (850, 6850, 8850)



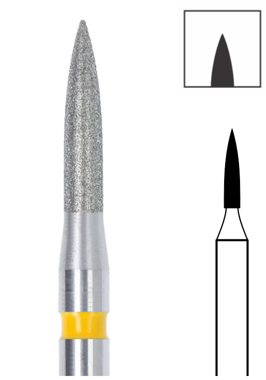
L1 (mm)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
H 199	012	014	016	018	023	025	027	031	035	040
H 199 N	012	014	016	018	023	025				
H 199 G						025		031		
H 199 C					023	025				
Pack of 1										

247 (860, 8860)



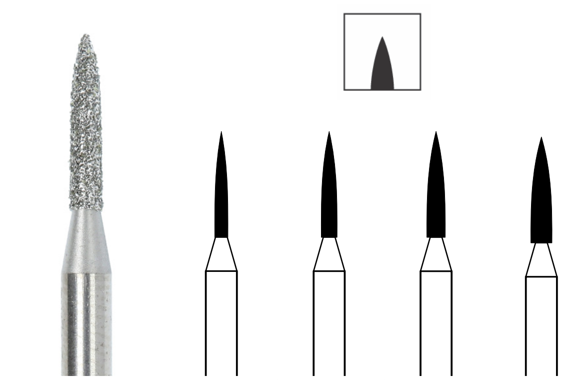
L1 (mm)	4.0	5.0
H 247	012	016
H 247 C	012	
Pack of 1		

248 (861 - EF)



L1 (mm)	6.0
H 248 F	012
Pack of 1	

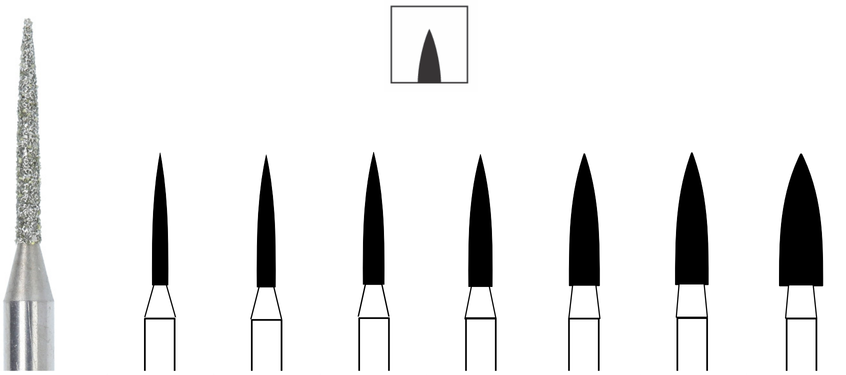
249 (888)



L1 (mm)	8.0	8.0	8.0	8.0
H 249	010	012	014	016
Pack of 1				

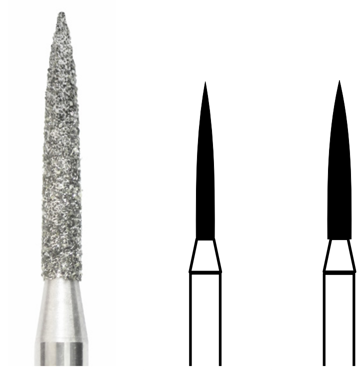
Grit Grano	Normal [N]	X-Coarse [X]	Coarse [G]	Fine [C]	X-Fine [F]	Ultra-Fine [U]	UU-Fine [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

250 (888 L, 888L N, 6888 L)



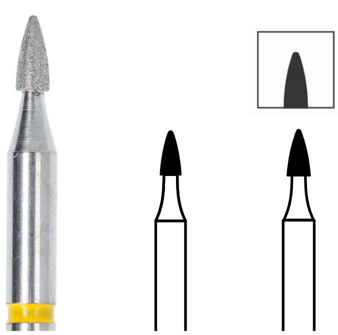
L_1 (mm)	10.0	10.0	10.0	10.0	10.0	10.0	10.0
H 250	012	017	016	018	023	025	033
H 250 N	012	014					
H 250 G				018		025	
Pack of 1							

251 (864)



L_1 (mm)	11.5	11.5
H 251	014	018
Pack of 1		

257 (390 N , 390 EF)



L_1 (mm)	3.5	3.5
H 257 N		018
H 257 F	016	
Pack of 1		

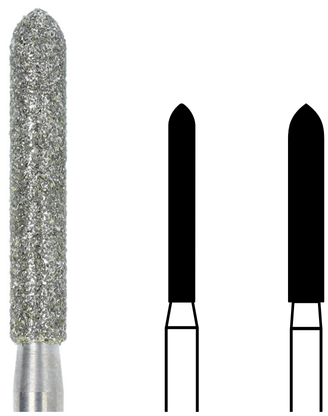
277 (379)

L_1 (mm)	3.0
H 277	014
Pack of 1	

291 (879L)

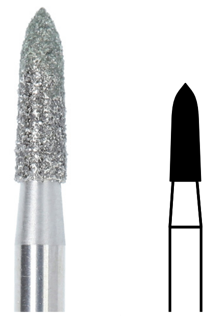
L_1 (mm)	11.5	11.5
H 291	012	014
Pack of 1		

292 (892)



L1 (mm)	15	15
H 292	020	027
Pack of 1		

298 (878K)

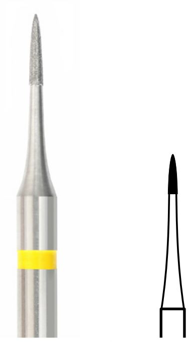


L1 (mm)	8.0
H 298	025
Pack of 1	

539 (883 EF)

L1 (mm)	3.0
H 539 F	007
Pack of 1	

540 (889EF)



L1 (mm)	4.0
H 540 F	008
Pack of 1	

Grit Grano	Normal [N]	X-Coarse [X]	Coarse [G]	Fine [C]	X-Fine [F]	Ultra-Fine [U]	UU-Fine [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

327 (910)

Discs are Double Sided

Thickness(mm)	0.5	0.5
H 327	190	220
Pack of 1		

321 (916)

Thickness(mm)	0.5	0.5
H 321	190	220
Pack of 1		

340 (911) Diaflex®

Thickness(mm)	0.3	0.3	0.3
H 340	160	190	220
Pack of 1			

401F

Discs are Double Sided and Ultra Thin

Thickness(mm)	0.15	0.15
H 401 F	190	220
Pack of 1		

635F (911S) SuperDiaflex®

Thickness(mm)	0.15	0.15
H 635 F	190	220
Pack of 1		

805F (911S)

Thickness(mm)	0.15	0.15
H 805 F	190	220
Pack of 1		

Grit Grano	Normal [N]	X-Coarse [X]	Coarse [G]	Fine [C]	X-Fine [F]	Ultra-Fine [U]	UU-Fine [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

Discs are Double Sided and Ultra Thin

361F (943S)

Thickness(mm)	0.18	0.18	0.18
H 361 F	080	100	130
Pack of 1			

362F

JuniorFlex®

Thickness(mm)	0.18	0.18	0.18
H 362 F	080	100	130
Pack of 1			

934 (934)

Thickness(mm)	0.17	0.17	0.17	0.17
H 934	080	140	190	220
Pack of 1				

345 (918B) Diaflex®

Thickness(mm)	0.3	0.3	0.3	0.3
H 345	130	160	190	220
Pack of 1				

355C (911 HC) SuperDiaflex®

Thickness(mm)	0.17	0.17	0.17	0.17
H 355 C	130	160	190	220
Pack of 1				

S 354 C (942) SinterDiaflex®

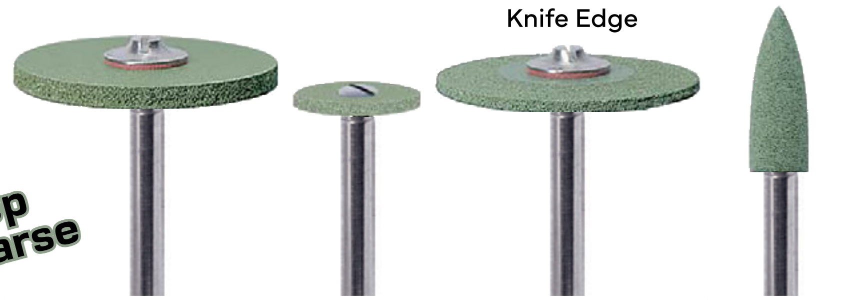
Thickness(mm)	0.25	0.25
SH 354 C	190	220
Pack of 1		

Many Discs and Handpiece Diamond Tools are also offered in Friction Grip. Please see our Dental Catalogue for Reference.

Grit Grano	Normal ● [N]	X-Coarse ● [X]	Coarse ● [G]	Fine ● [C]	X-Fine ● [F]	Ultra-Fine ○ [U]	UU-Fine ● [UU]
~ [µ] Microns	~ 80 - 100	~ 180	~ 120 - 135	~ 45	~ 35	~ 5 - 15	~ 2 - 4

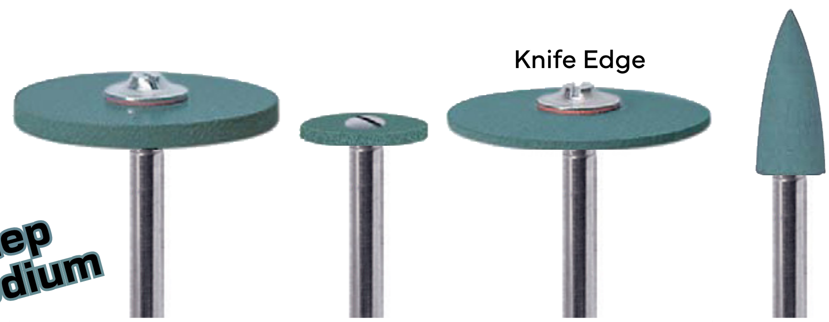
CeraGloss Polishers

For CVD and Natural Diamonds



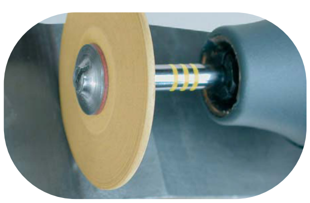
1st Step
Coarse

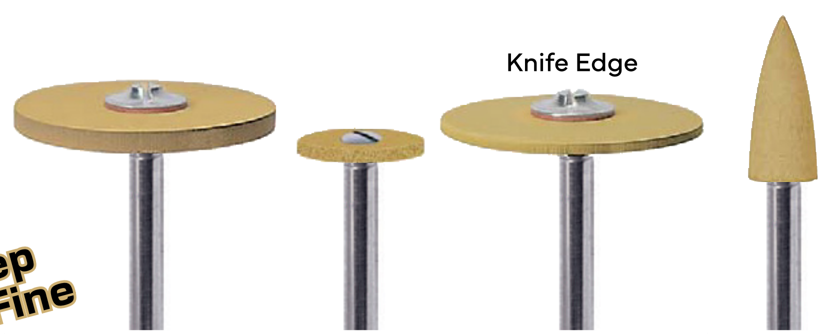
L(mm)	2.0	2.0	2.0	15.5
Size	250	120	250	055
Order #	9301	9304	9310	9344
Pack of 1				



2nd Step
Medium

L(mm)	2.0	2.0	2.0	15.5
Size	250	120	250	055
Order #	93001	93004	93010	93044
Pack of 1				





3rd Step
Fine

L(mm)	2.0	2.0	2.0	15.5
Size	250	120	250	055
Order #	930001	930004	930010	930044
Pack of 1				

GemPol Polishers

For all other Gemstones

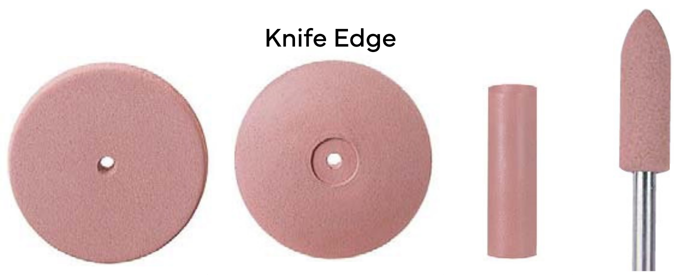
1st Step Coarse

Knife Edge

L(mm)	3.0	3.0	22.0	16.0
Size	220	220	060	050
Order #	9PC01	9PC10	9PC23	9PC41
Pack of 100				

2nd Step Medium

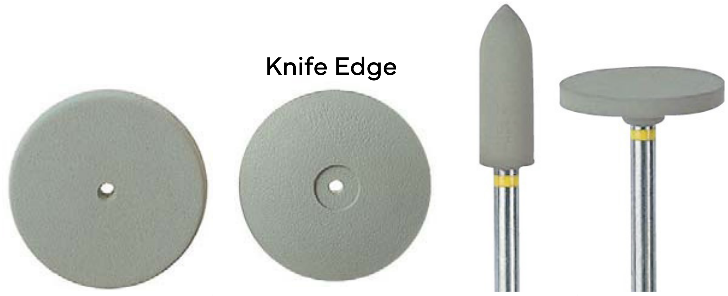
Knife Edge



L(mm)	3.0	3.0	22.0	16.0
Size	220	220	060	050
Order #	9PM01	9PM10	9PM23	9PM41
Pack of 100				

3rd Step Fine

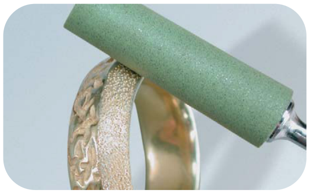
Knife Edge



L(mm)	3.0	3.0	22.0	16.0
Size	220	220	060	050
Order #	9PF01	9PF10	9PF41	9PF43
Pack of 100				

Goldino Polishers

For Gold

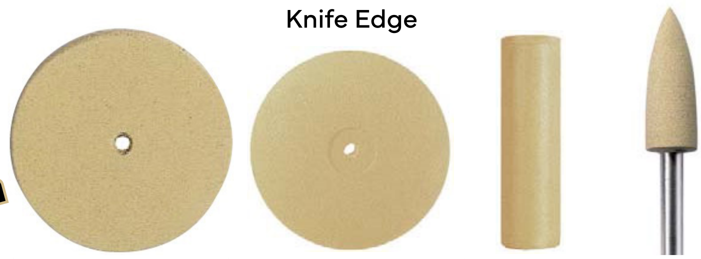


Knife Edge

1st Step Coarse

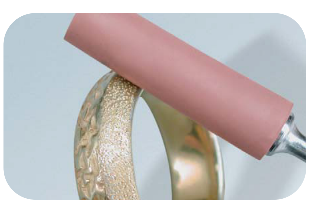
L(mm)	3.0	3.0	22.0	15.5
Size	220	220	060	050
Order #	9GC01	9GC10	9GC23	9GC44
Pack of 100				

Knife Edge

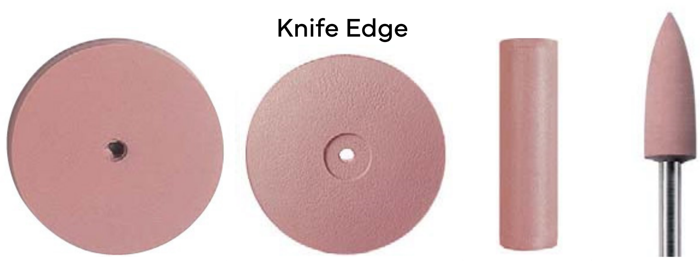


2nd Step Medium

L(mm)	3.0	3.0	22.0	15.5
Size	220	220	060	050
Order #	9GM01	9GM10	9GM23	9GM44
Pack of 100				



Knife Edge



3rd Step Fine

L(mm)	3.0	3.0	22.0	15.5
Size	220	220	060	050
Order #	9GF01	9GF10	9GF41	9GF44
Pack of 100				

Ocean Polishers

For All Alloys and CrCo

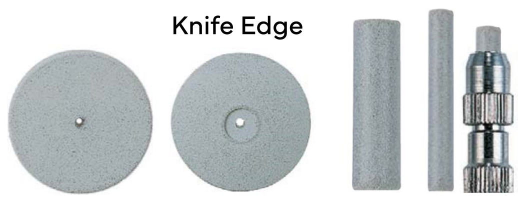
Knife Edge

L(mm)	3.0	3.0	16.3	150
Size	220	220	060	050
Order #	9EM01	9EM10	9EM40	9EM42
Pack of 100				

Titanium Polishers

1st Step Medium

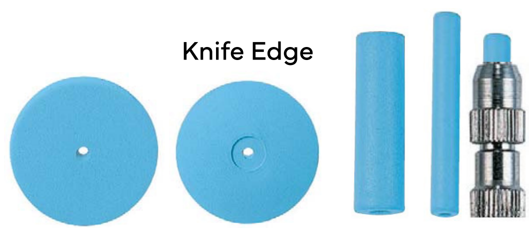
Knife Edge



L(mm)	3.0	3.0	23.0	22.0
Size	220	220	060	030
Order #	9TM01	9TM10	9TM23	9TM92
Pack of 100				

2nd Step Fine

Knife Edge



L(mm)	3.0	3.0	23.0	22.0
Size	220	220	060	050
Order #	9TF01	9TF10	9TF23	9TF92
Pack of 100				

TopStar Polishers

L(mm)	16.3	16.0	2.0	20.0	22.0	3.0	1.0	22.0
Size	055	050	145	020	030	220	220	060
Order #	9TB40	9TB41	9TB43	9TB91	9TB92	9TB01	9TB05	9TB23
Pack of 100