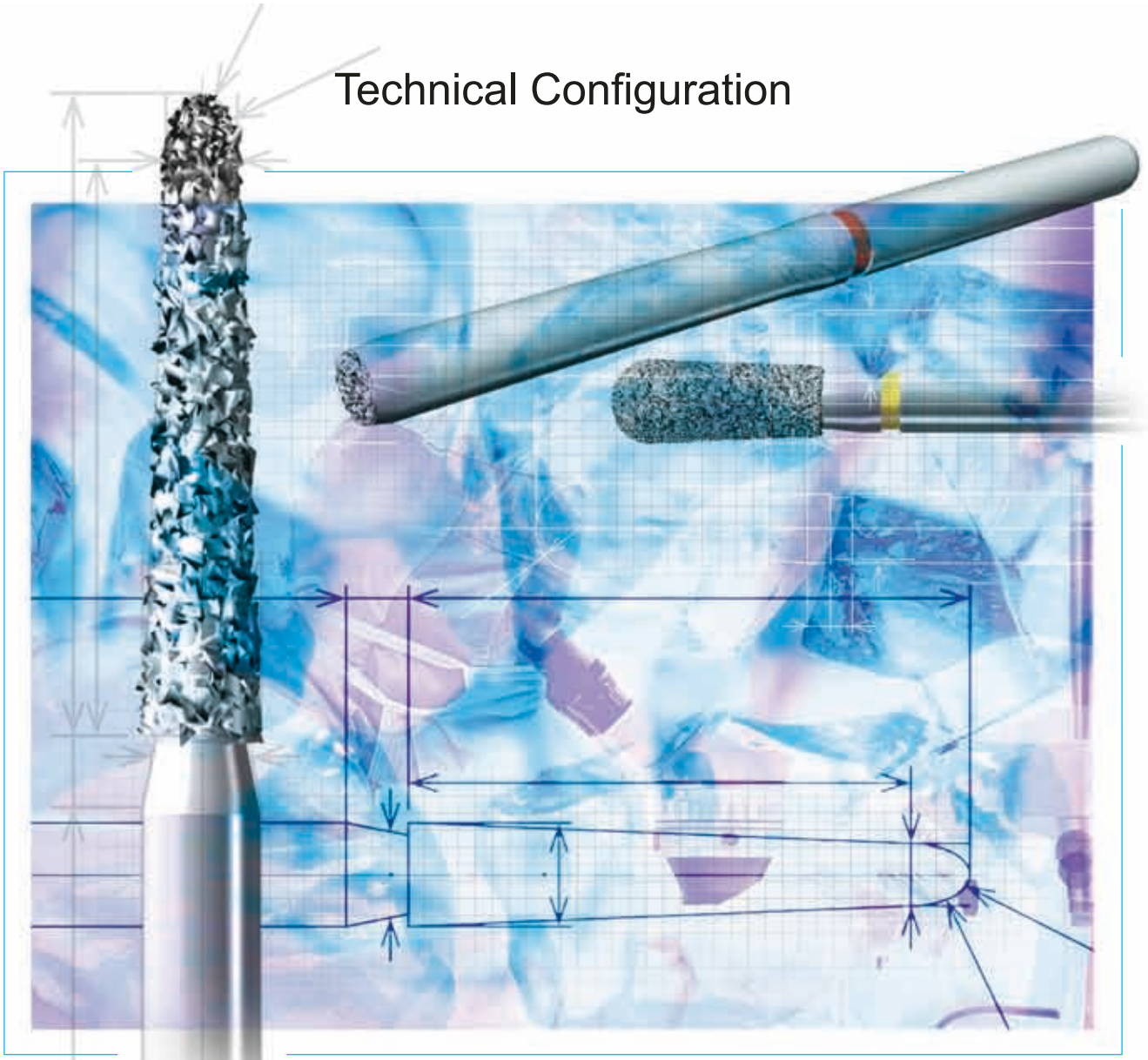
DIAMOND Instruments

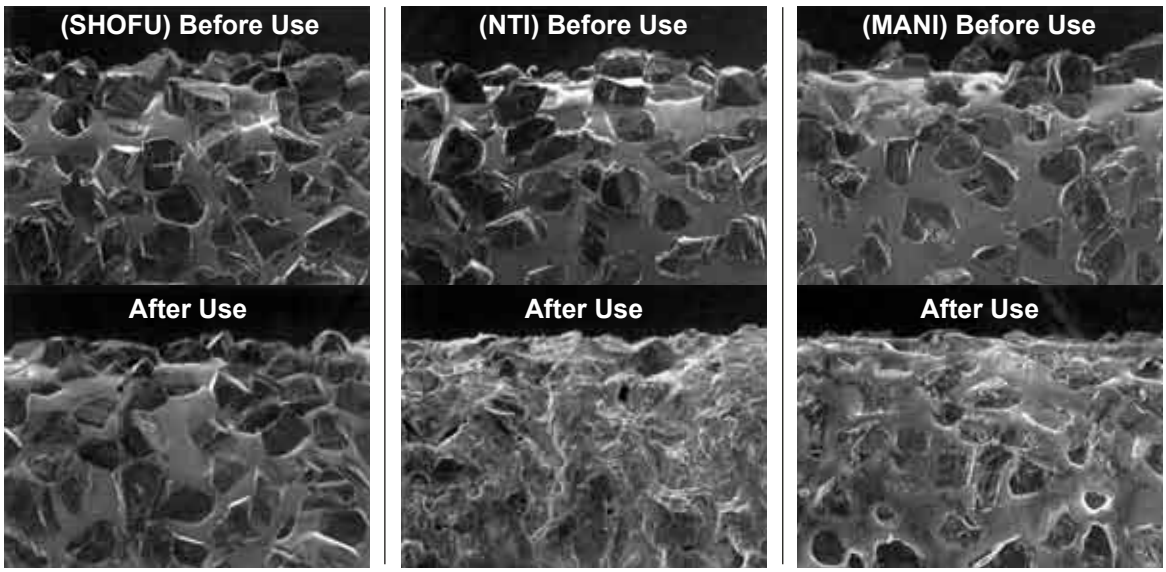
Technical Configuration



DIAMOND Instruments

Shofu Diamond Points are made by Hi-Tech Robots in a computer automated environment untouched by human hands. Each point is guaranteed with an even distribution of natural diamond particles onto a single stainless steel shank to ensure accuracy and effortless cutting efficiency.

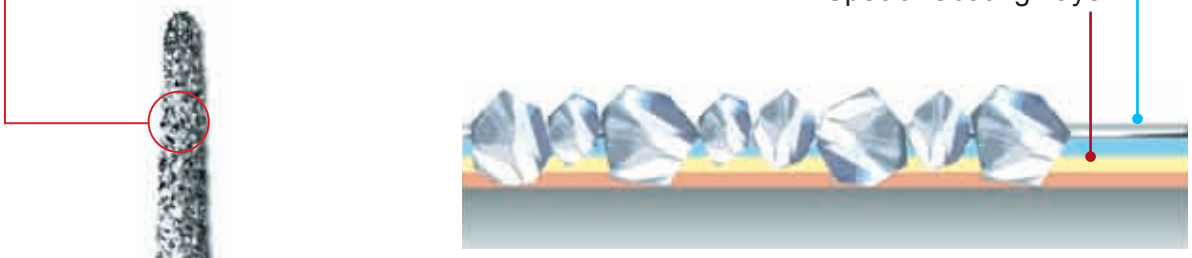
Distribution of Diamond particles and clogging after use

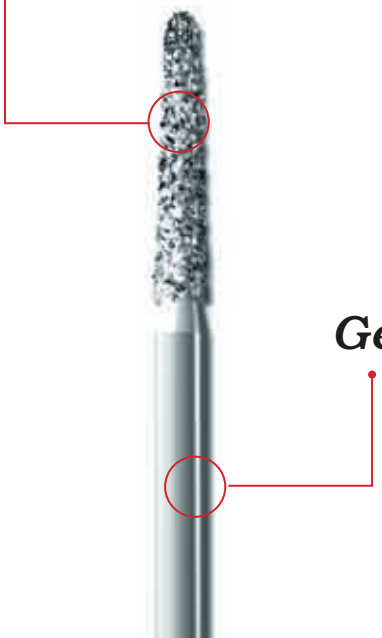


** Tested by Shofu Inc., Research & Development Department*

Multi-coating Technique

Shofu Diamond Points utilize a multi-coating technique with a special surface treatment to enhance durability and less clogging while maintaining its cutting efficiency.





Gentle on the H/P Cartridge

Every Shofu Diamond Point has a very smooth shank and conforms strictly to the ISO standard and specification in order to ensure a precise fit to the handpiece cartridge with no vibration.

Tapered Flat Ended

For crown and bridge preparation

For metal inlay preparation

Regular ▶	401M	401	301	301M	202	202S	201S
Short ▶		1401	1301		1202		
Super Short ▶		3401	3301		3202		
Robot Point ▶							
ISO #	010	011	016	013	021	017	014

Regular ▶	201	101S	101	101L	103	SF201	SF101
Short ▶	1201		1101	1101L	1103		
Super Short ▶							
Robot Point ▶							
ISO #	016	014	016	018	022	015	015

Regular ▶	C101	C202	2401	2303	SC101	SC202	SC301
Short ▶			1202				
Super Short ▶			3202				
Robot Point ▶							
ISO #	017	022	011	013	018	023	018

Tapered Safe Ended

For crown and bridge preparation (Tissue protective)

Regular ▶	201Ra	104Ra	101Ra	SF201Ra	SF206Ra
Short ▶					
Super Short ▶					
Robot Point ▶					
ISO #	016	016	016	016	012

Tapered Rounded Edge

Regular ▶	301CR	202CR	201CR	101CR	103CR	206CR	207CR
Short ▶							
Super Short ▶							
Robot Point ▶						0825	0826
ISO #	018	021	018	019	023	027	031

Regular ▶	SF301CR	SF202CR	SF201CR	SF101CR	SF103CR	SF206CR
Short ▶						
Super Short ▶						
Robot Point ▶						825V
ISO #	081	021	018	019	023	027

Regular ▶	SF207CR
Short ▶	
Super Short ▶	
Robot Point ▶	826V
ISO #	031

For hard resin and ceramic inlay preparation

Tapered Ellipse

For crown & bridge preparation (Light Chamfer) & finishing filling materials

Regular ▶	201SR	201R	104R	101R	101SR	F201R	F104R
Short ▶		1201R	1104R	1101R		F1201R	
Super Short ▶		3201R	3104R				
Robot Point ▶							
ISO #	014	016	016	016	013	015	015

Regular ▶	SF104R
Short ▶	SF1104R
Super Short ▶	
Robot Point ▶	
ISO #	015

Tapered Round

For crown and bridge preparation preparation (Heavy chamfer)

Regular ▶	102R	103R	105R	106RD	107RD	F102R	F105R
Short ▶	1102R	1103R					
Super Short ▶	3102R						
Robot Point ▶	0833			0836	0839		
ISO #	017	022	022	021	023	016	021

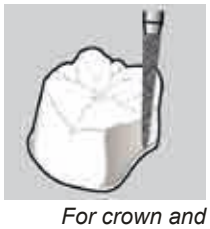
Regular ▶	SF102R	SF102RD	SF106RD	SF107RD	C102R	SC102R
Short ▶						
Super Short ▶						
Robot Point ▶		833V	836V	839V		
ISO #	016	018	021	023	018	019

Regular ▶	SC104R	SC106RD	SC201R
Short ▶			
Super Short ▶			
Robot Point ▶			
ISO #	018	024	018

Tapered Needle Edge

Regular ▶	304	204	104	104L	246	F204	F104
Short ▶		1204	1104			F1204	
Super Short ▶		3204	3104				
Robot Point ▶							
ISO #	016	013	016	018	033	012	015

Regular ▶	SF204	2304
Short ▶		
Super Short ▶		
Robot Point ▶		
ISO #	010	011



For crown and bridge preparation (Feather margin)

Flame Shaped

For crown and bridge preparation (Knife edge margin)

Regular ▶	316	215S	215	216	115	116	F215
Short ▶			1215	1216			F1215
Super Short ▶			3215				
Robot Point ▶							
ISO #	013	012	014	017	013	015	013

Regular ▶	F216	SF215	SF217
Short ▶			
Super Short ▶			
Robot Point ▶			
ISO #	016	012	013

Torpedo

Regular ▶	212R	213R
Short ▶		
Super Short ▶		
Robot Point ▶		
ISO #	010	012

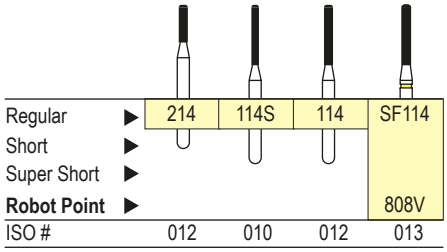
For beveling

Cylinder

For crown and bridge preparation preparation (Heavy chamfer)

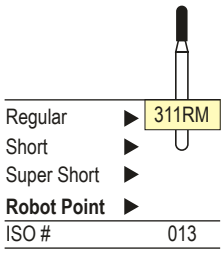
Regular ▶	411	411M	311	211
Short ▶	1411		1311	1211
Super Short ▶				
Robot Point ▶				
ISO #	011	010	013	014

Cylinder with round edge



Regular ▶	214	114S	114	SF114
Short ▶				
Super Short ▶				
Robot Point ▶				808V
ISO #	012	010	012	013

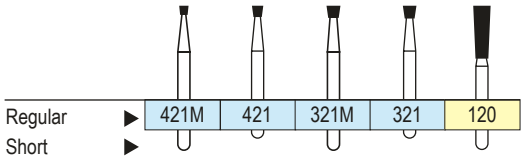
Cylinder Round



Regular ▶	311RM
Short ▶	
Super Short ▶	
Robot Point ▶	
ISO #	013

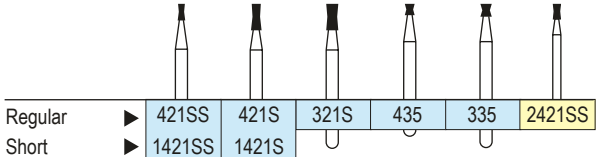
Inverted Cone

For crown and bridge preparation preparation (Heavy chamfer)



Regular ▶	421M	421	321M	321	120
Short ▶					
Super Short ▶					
Robot Point ▶					
ISO #	010	015	016	018	023

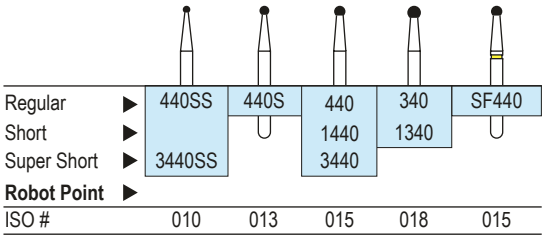
Double Inverted Cone



Regular ▶	421SS	421S	321S	435	335	2421SS
Short ▶	1421SS	1421S				
Super Short ▶	3421SS					
Robot Point ▶						
ISO #	010	014	016	013	015	009

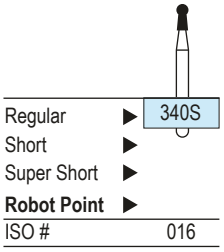
Round

For cavity preparation



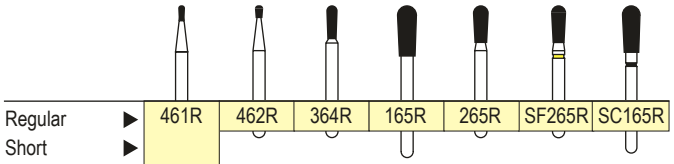
Regular ▶	440SS	440S	440	340	SF440
Short ▶			1440	1340	
Super Short ▶	3440SS		3440		
Robot Point ▶					
ISO #	010	013	015	018	015

Round with Collar



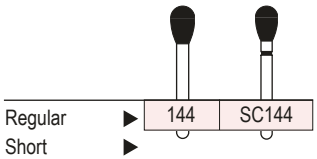
Regular ▶	340S
Short ▶	
Super Short ▶	
Robot Point ▶	
ISO #	016

Round Inverted Cone



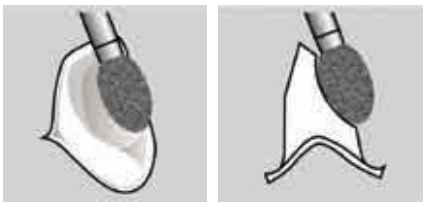
Regular ▶	461R	462R	364R	165R	265R	SF265R	SC165R
Short ▶							
Super Short ▶	3461R						
Robot Point ▶							
ISO #	009	011	015	025	021	020	026

Egg

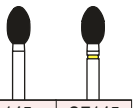


Regular ▶	144	SC144
Short ▶		
Super Short ▶		
Robot Point ▶		
ISO #	032	034

Foot Ball

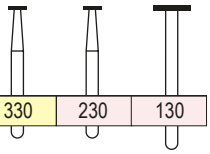


For crown and bridge preparation (Lingual reduction)



Regular ▶	145	SF145
Short ▶		
Super Short ▶		
Robot Point ▶	0893	893V
ISO #	029	029

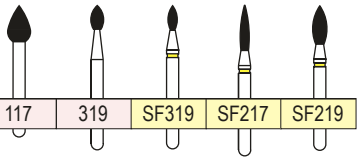
Wheel



Regular ▶	330	230	130
Short ▶			
Super Short ▶			
Robot Point ▶			
ISO #	025	043	050

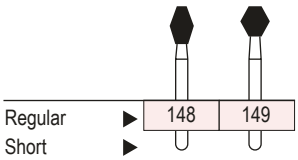
Bud

For crown and bridge preparation (Lingual reduction)



Regular ▶	117	319	SF319	SF217	SF219
Short ▶					
Super Short ▶					
Robot Point ▶					
ISO #	032	017	014	012	019

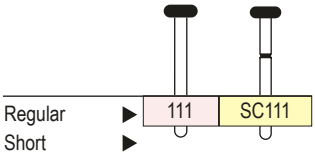
Double Cone



Regular ▶	148	149
Short ▶		
Super Short ▶		
Robot Point ▶		
ISO #	032	039

For crown and bridge preparation (Occlusal Reduction)

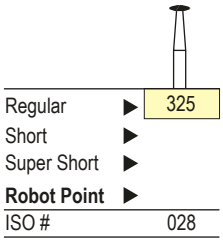
Rounded Wheel



Regular ▶	111	SC111
Short ▶		
Super Short ▶		
Robot Point ▶		
ISO #	045	047

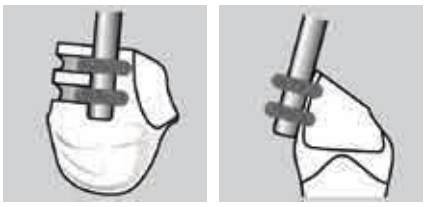
For crown and bridge preparation (Lingual Reduction)

Knife Edged Wheel

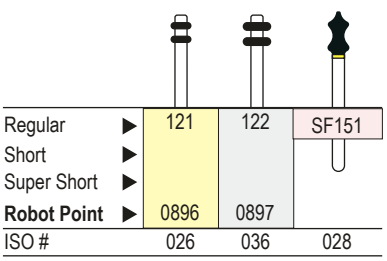


Regular ▶	325
Short ▶	
Super Short ▶	
Robot Point ▶	
ISO #	028

Speciality Burs

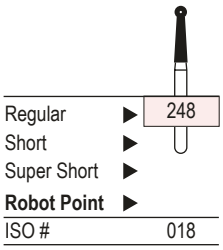


For creating depth orientation grooves



Regular ▶	121	122	SF151
Short ▶			
Super Short ▶			
Robot Point ▶	0896	0897	
ISO #	026	036	028

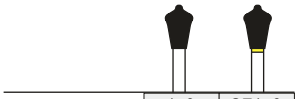
Root Canal Access Bur



Regular ▶	248
Short ▶	
Super Short ▶	
Robot Point ▶	
ISO #	018

For opening root canal

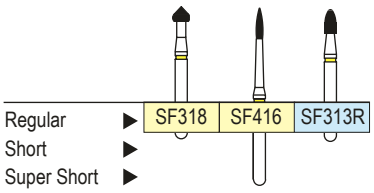
Inverted Cone with A Rounded Tip



Regular ▶	150	SF150
Short ▶		
Super Short ▶		
Robot Point ▶	0899	0899V
ISO #	035	035

For full ceramic preparation [Occlusal Reduction]

Special Superfine Diamond Burs

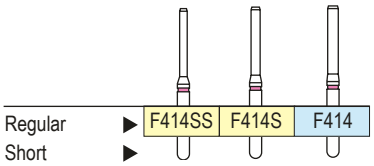


Regular ▶	SF318	SF416	SF313R
Short ▶			
Super Short ▶			
Robot Point ▶			
ISO #	023	010	016

For Finishing filling materials [Occlusal Surface]

Tissue Protective End-Cuting

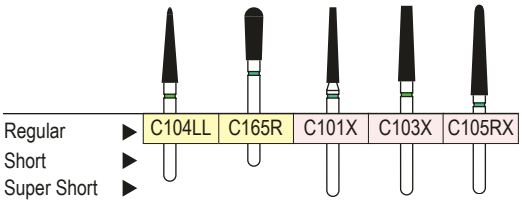
For Shoulder Preparation



Regular ▶	F414SS	F414S	F414
Short ▶			
Super Short ▶			
Robot Point ▶			
ISO #	010	012	014

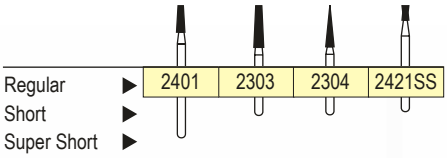
Surgical Burs

For Finishing filling materials [Occlusal Surface]



Regular ▶	C104LL	C165R	C101X	C103X	C105RX
Short ▶					
Super Short ▶					
Robot Point ▶					
ISO #	022	025	017	023	023

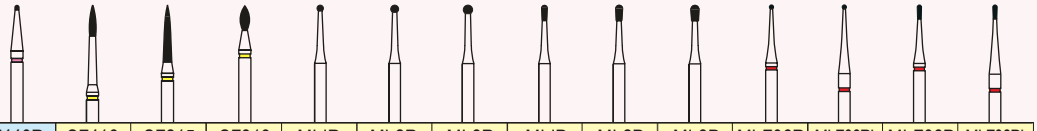
Miniature Burs



Regular ▶	2401	2303	2304	2421SS
Short ▶				
Super Short ▶				
Robot Point ▶				
ISO #	011	013	011	009

MI Diamonds
– For Micro Dentistry

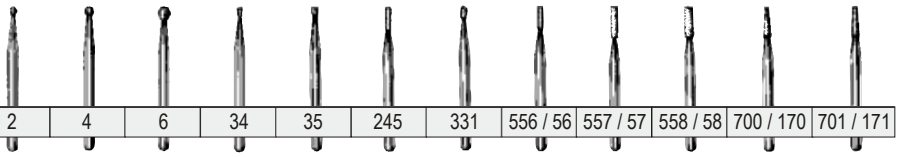
For Minimal Invasive



Regular ▶	F440R	SF416	SF215	SF319	MI-IR	MI-2R	MI-3R	MI-IP	MI-2P	MI-3P	MI-F06R	MI-F06RL	MI-F06P	MI-F06PL
Short ▶														
Super Short ▶														
Robot Point ▶														
ISO # ▶	007	010	012	014	009	011	013	008	010	012	006	006	006	006
L(mm) ▶	0.7	4	7.5	3.4	0.7	0.9	1.1	2	2	2	0.5	0.5	1.9	1.9

Hybrid Points – Operative Diamonds

Diamond charged FG points in the shapes of carbide burs.

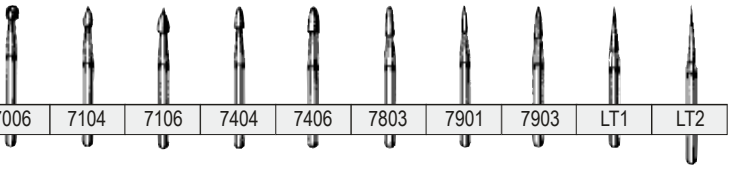


Bur No. ▶	2	4	6	34	35	245	331	556 / 56	557 / 57	558 / 58	700 / 170	701 / 171
PN ▶	0901	0903	0905	0907	0909	0911	0913	0915	0917	0919	0921	0923
ISO # ▶	010	014	016	008	010	008	010	009	010	012	010	012

For Cavity Preparation

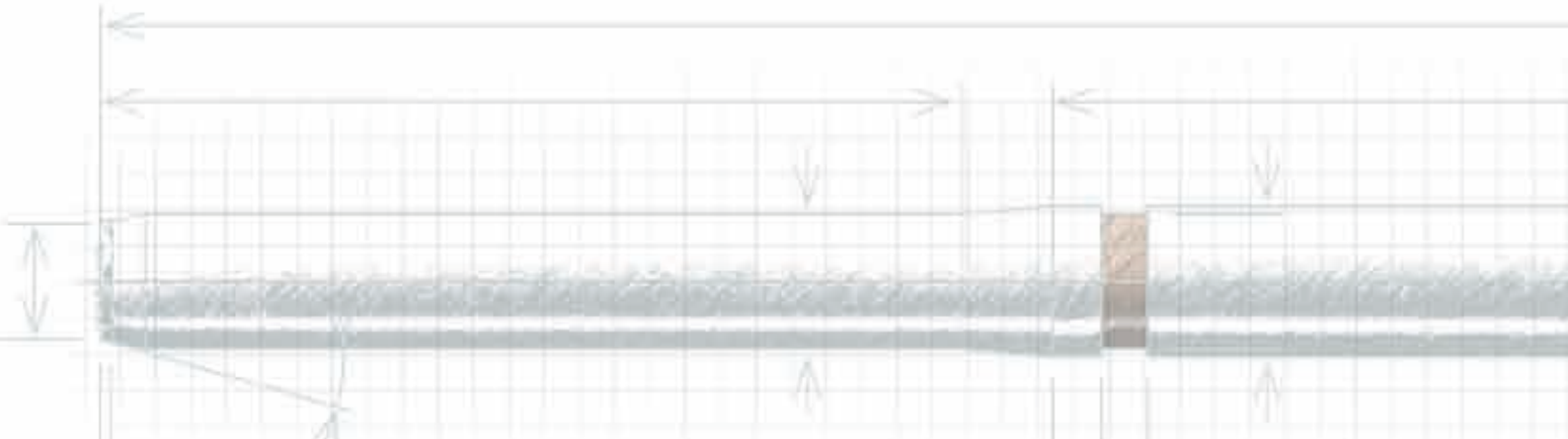
T & F Hybrid Points – Micron Diamonds

Diamond charged FG points in the shapes of carbide burs.

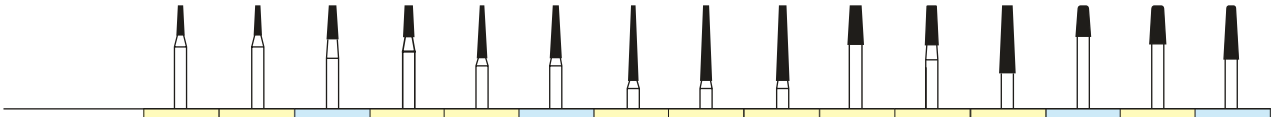


Bur No. ▶	7006	7104	7106	7404	7406	7803	7901	7903	LT1	LT2
PN ▶	0925	0927	0929	0931	0933	0935	0937	0939	0941	0943
ISO # ▶	018	014	018	014	018	012	009	012	014	014

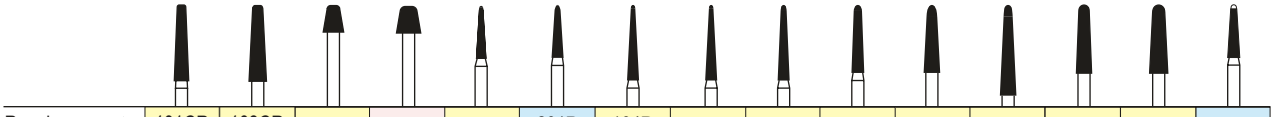
For Finishing Filling Materials



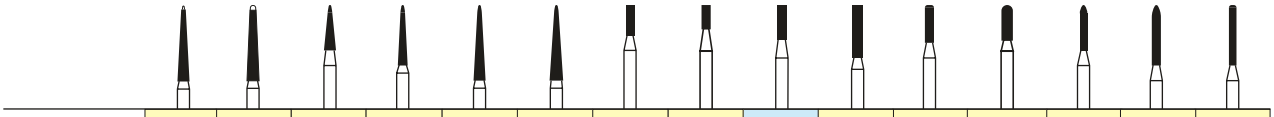
Regular (Unmark)



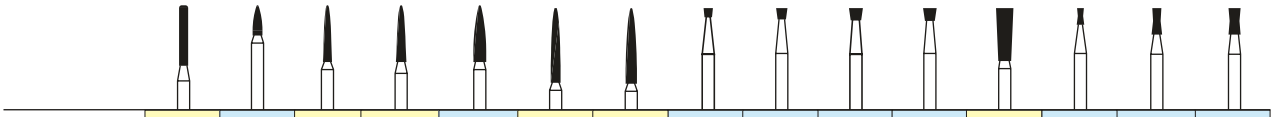
Regular ▶	401M	401	301	301M	201S	201	101S	101	101L	202	202S	103	301CR	202CR	201CR
Short ▶		1401	1301			1201		1101	1101L	1202		1103			
Super Short ▶		3401	3301							3202					
Robot Point ▶															
ISO # ▶	170 / 010	170 / 011	170 / 016	170 / 013	171 / 014	171 / 016	173 / 014	173 / 016	173 / 018	170 / 021	170 / 017	172 / 022	544 / 018	544 / 021	545 / 018
L(mm) ▶	3	4	4.5	4	7	7	10	10	10	5	5	9	4	5	7



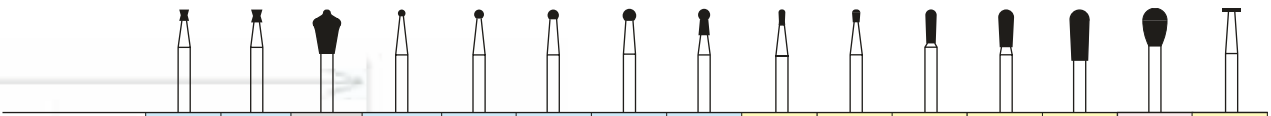
Regular ▶	101CR	103CR	206CR	207CR	201SR	201R	104R	101SR	101R	102R	103R	105R	106RD	107RD	201Ra
Short ▶						1201R	1104R		1101R	1102R	1103R				
Super Short ▶						3201R	3104R			3102R					
Robot Point ▶			0852	0826						0833			0836	0839	
ISO # ▶	553 / 019	553 / 023	544 / 027	544 / 031	222 / 014	222 / 016	193 / 016	199 / 013	199 / 016	223 / 017	223 / 022	223 / 022	198 / 021	198 / 023	218 / 016
L(mm) ▶	10	10	3.5	3.5	7	7	10	9	10	9	9	11.5	9	9	7



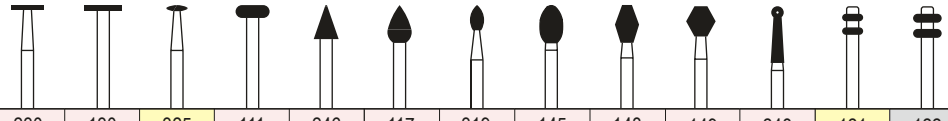
Regular ▶	104Ra	101Ra	304	204	104	104L	411	411M	311	211	214	311RM	212R	213R	114S
Short ▶				1204	1104		1411		1311	1211					
Super Short ▶				3204	3104										
Robot Point ▶															
ISO # ▶	220 / 016	220 / 016	164 / 016	165 / 013	166 / 016	166 / 018	109 / 011	109 / 010	109 / 013	110 / 014	156 / 012	139 / 013	288 / 010	289 / 012	158 / 010
L(mm) ▶	10	10	6	8	10	10	4	3	4.5	7	5	4.5	6	8	8



Regular ▶	114	316	215S	215	216	115	116	421M	421	321M	321	120	421SS	421S	321S
Short ▶				1215	1216								1421SS	1421S	
Super Short ▶				3215									3421SS		
Robot Point ▶															
ISO # ▶	158 / 012	247 / 013	249 / 012	249 / 014	249 / 017	250 / 013	250 / 015	012 / 010	012 / 015	012 / 016	012 / 018	226 / 023	019 / 010	019 / 014	019 / 016
L(mm) ▶	8	4	7.5	7.5	7.5	10	10	1	1.5	1.4	1.7	7	2.2	3.5	3.5

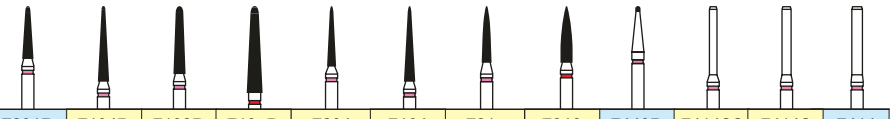


Regular ▶	435	335	150	440SS	440S	440	340	340S	461R	462R	364R	265R	165R	144	330
Short ▶						1440	1340								
Super Short ▶				3440SS		3440			3461R						
Robot Point ▶			0899												
ISO # ▶	032/ 013	032 / 015	031 / 035	001 / 010	001 / 013	001 / 015	001 / 018	002 / 016	237 / 009	237 / 011	237 / 015	237 / 021	237 025	237 / 032	041 / 025
L(mm) ▶	1.5	1.7	5.7	0.9	1.2	1.3	1.6	3.5	2	1.7	4.5	5	6.5	5	0.5



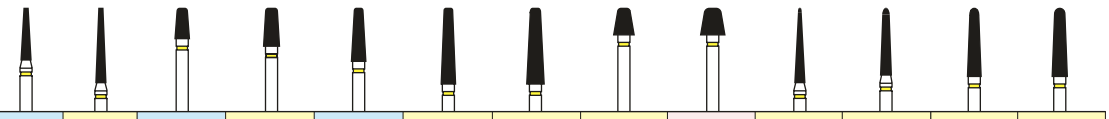
Regular ▶	230	130	325	111	246	117	319	145	148	149	248	121	122
Short ▶													
Super Short ▶													
Robot Point ▶								0893				0896	0897
ISO # ▶	041 / 043	041 / 050	304 / 028	068 / 045	162 / 033	254 / 032	243 / 017	277 / 029	039 / 032	038 / 039	005 / 018	552 / 026	552 / 036
L(mm) ▶	0.6	0.7	0.8	1.7	4	5	3	4.9	5	4	7.5	3.6	4

Fine (Red Banded)

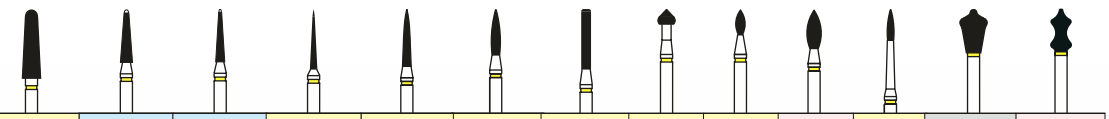


Regular ▶	F201R	F104R	F102R	F105R	F204	F104	F215	F216	F440R	F414SS	F414S	F414
Short ▶	F1201R				F1204		F1215					
Super Short ▶												
Robot Point ▶												
ISO # ▶	222 / 015	193 / 015	223 / 016	223 / 021	165 / 012	166 / 015	249 / 013	249 / 016	138 / 007	150 / 010	150 / 012	150 / 014
L(mm) ▶	7	10	9	11.5	8	10	7.5	7.5	0.7	9	9	9

Superfine (Yellow Banded)

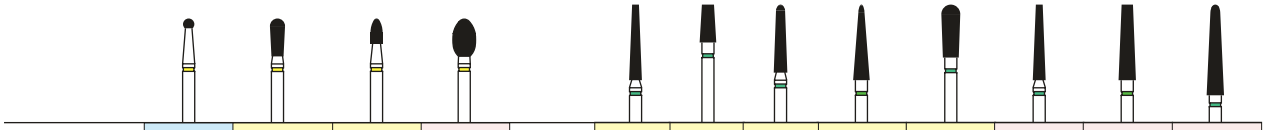


Regular ▶	SF201	SF101	SF301CR	SF202CR	SF201CR	SF101CR	SF103CR	SF206CR	SF207CR	SF104R SF1104R	SF102R	SF102RD	SF106RD
Short ▶													
Super Short ▶													
Robot Point ▶								825V	826V			833V	836V
ISO # ▶	171 / 015	173 / 015	544 / 018	544 / 021	545 / 018	553 / 019	553 / 023	544 / 027	544 / 031	193 / 015	223 / 016	198 / 018	198 / 021
L(mm) ▶	7	10	4	5	5	10	10	3.5	3.5	10	9	9	9



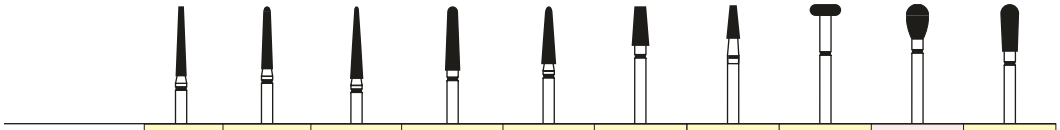
Regular ▶	SF107RD	SF201Ra	SF206Ra	SF204	SF215	SF217	SF114	SF318	SF319	SF219	SF416	SF150	SF151
Short ▶													
Super Short ▶													
Robot Point ▶	839V						808V					899V	
ISO # ▶	198 / 023	218 / 016	218 / 012	165 / 010	249 / 012	249 / 013	158 / 013	254 / 023	243 / 014	243 / 019	249 / 010	031 / 035	028
L(mm) ▶	9	7	7	8	7.5	6	8	2	3.4	5	4	5.7	5.6

Coarse (Green Banded)



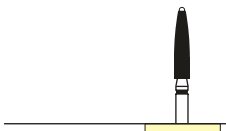
Regular ▶	SF440	SF265R	SF313R	SF145	C101	C202	C102R	C104LL	C165R	C101X	C103X	C105RX
Short ▶												
Super Short ▶												
Robot Point ▶				893V								
ISO # ▶	001 / 015	237 / 020	284 / 016	277 / 029	173 / 017	170 / 022	222 / 018	160 / 022	237 / 025	173 / 017	173 / 023	223 / 023
L(mm) ▶	1.3	5	3.3	4.9	10	5	9	10	7	10	10	12

SuperCoarse (Black Banded)



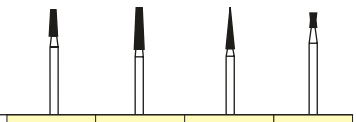
Regular ▶	SC101	SC102R	SC104R	SC106RD	SC201R	SC202	SC301	SC111	SC144	SC165R
Short ▶										
Super Short ▶										
Robot Point ▶										
ISO # ▶	018	019	018	024	018	023	018	047	034	026
L(mm) ▶	10	9	10	9	7	5	4.5	1.7	5	6.5

GingivoPlasty

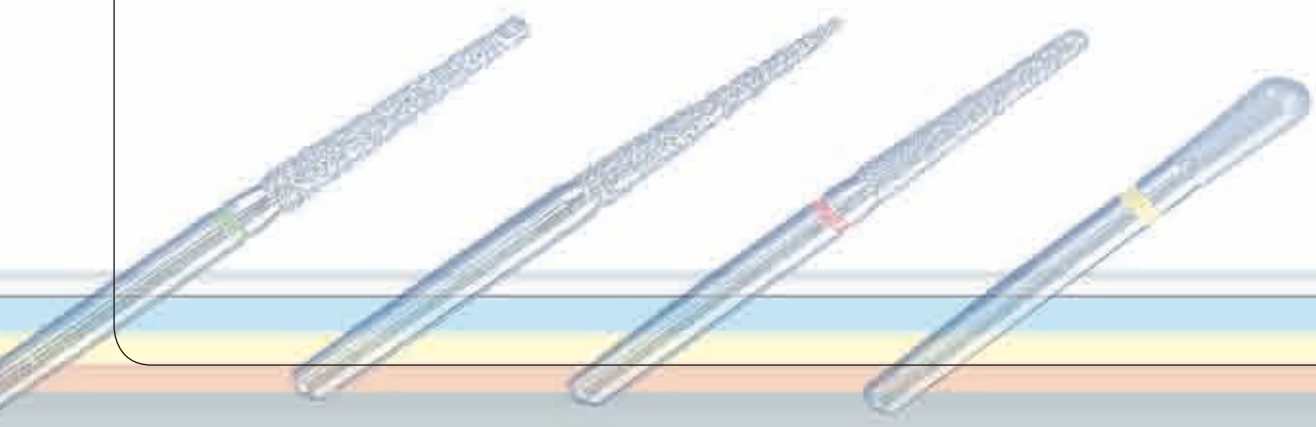


Regular ▶	G2
Short ▶	
Super Short ▶	
Robot Point ▶	
ISO # ▶	508 / 022
L(mm) ▶	9.5

Miniature



Regular ▶	2401	2303	2304	2421SS
Short ▶				
Super Short ▶				
Robot Point ▶				
ISO # ▶	011	013	011	009
L(mm) ▶	3.5	5.5	5.5	2.2



Maximum r.p.m : Less than 450,000 r.p.m. | Less than 300,000 r.p.m. | Less than 160,000 r.p.m. | Less than 120,000 r.p.m.

Order Information

Diamond Point FG
Packed 1 pc each in a plastic case,10 cases in a box

Direct Cosmetics Restoration Kit
Designed for tooth preparation & finishing of direct restorative materials. Contains 8 pcs of DIAMOND POINT FG organized in an aluminium bur block for easy sterilization

All Ceramic Preparation Kit [PN 0955]
Contains 17 pcs of Robot Point FG

Hybrid Points Kit
12 shapes of Hybrid Points & 10 shapes of T & F Hybrid Points

T & F Hybrid Points Kit [PN 0950]
Contains 10 pcs of T & F Hybrid Points

Crown & Bridge Preparation Kit
Contains 14 pcs of Diamond Point FG organized in an aluminum bur block for easy sterilization.

Related Products

Bur Station II
Sterilizable bur stand for 11 FG points and 6 CA points

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