

## For EMS® Scaling

### Model

Removing supragingival calculus in all quadrants.

**G1**



Removing heavy supragingival calculus.

**G2**



Removing supragingival calculus in all quadrants, including interproximal and sulcus areas.

**G3**



Removing supragingival calculus in all quadrants, including interproximal and sulcus areas.

**G4**



Removing supragingival calculus in all quadrants.

**G5**



Removing heavy supragingival calculus.

**G6**



Dimension Unit: mm

### Model

Applied to removing crown. Put the tip onto neck surface of crown and activate the scaler.

**G7**



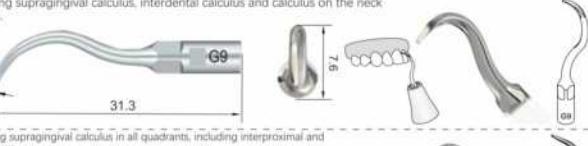
Removing post. Put the tip onto the post and activate the scaler.

**G8**



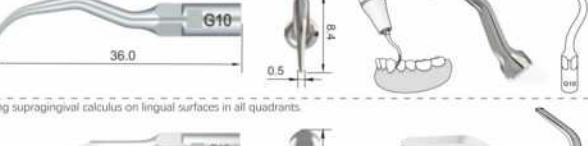
Removing supragingival calculus, interdental calculus and calculus on the neck of teeth.

**G9**



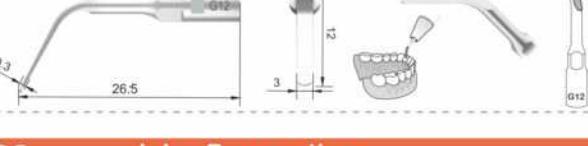
Removing supragingival calculus in all quadrants, including interproximal and sulcus areas.

**G10**



Removing supragingival calculus on lingual surfaces in all quadrants.

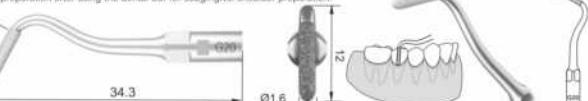
**G12**



## Inlay Preparation

Diamond coated (50μm grit) tip for dentin abrading. Applied to supragingival shoulder preparation after using the dental bur for subgingival shoulder preparation.

**G20**



## For EMS® Inlay Preparation

### Model

Diamond coated (120μm grit) tip for dentin abrading. Applied to polish prepared supragingival and subgingival shoulder.

**G21**



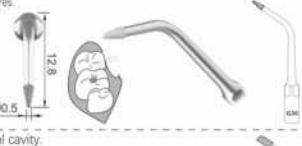
Amalgam condensation

**G28**



Diamond coated (90μm grit) tip for preparation between pits & fissures.

**G30**



Diamond coated (90μm grit) tip for preparation of the mesial cavity.

**G31**



Diamond coated (90μm grit) tip for preparation of the distal cavity.

**G32**



Diamond coated (90μm grit) tip for preparation of the tooth veneers.

**G33**



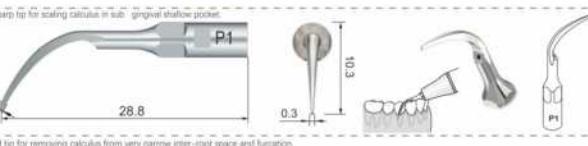
Dimension Unit: mm

## For EMS® Periodontics

### Model

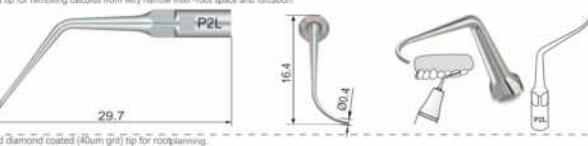
Slim and sharp tip for scaling calculus in sub-gingival shallow pocket.

**P1**



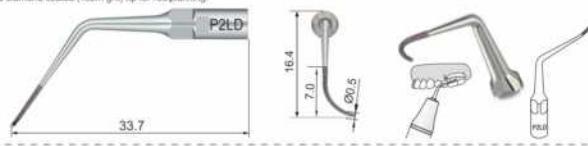
Left curved tip for removing calculus from very narrow inter-root space and furcation.

**P2L**



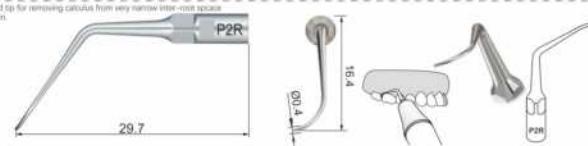
Left curved diamond coated (40μm grit) tip for root planning.

**P2LD**



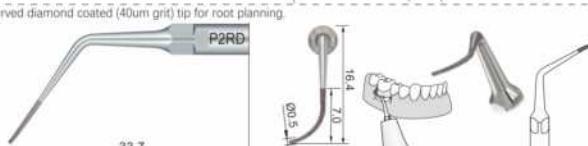
Right curved tip for removing calculus from very narrow inter-root space and furcation.

**P2R**



Right curved diamond coated (40μm grit) tip for root planning.

**P2RD**



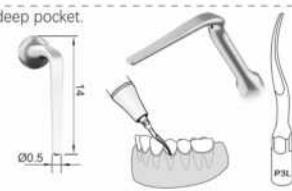
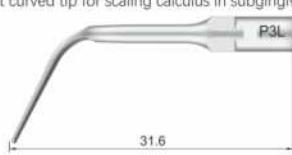
Slim and sharp tip for scaling calculus in sub-gingival deep pocket.

**P3**

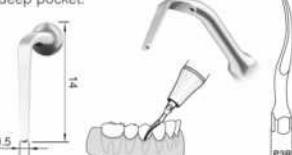


**For EMS®**
**Periodontics**
**Model**

Left curved tip for scaling calculus in subgingival deep pocket.

**P3L**

**P3R**

Right curved tip for scaling calculus in subgingival deep pocket.

**P3R**

**P3D**

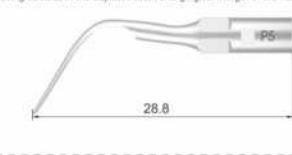
 Diamond coated (40um grit) tip for root planning after periodontal flap surgery.  
 It's also can be used to edge planning of artificial crown and furcation expanding.

**P4**

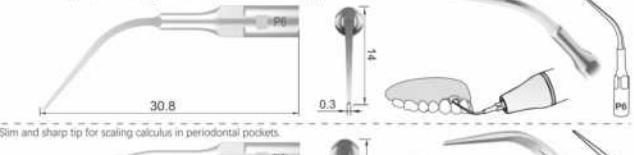
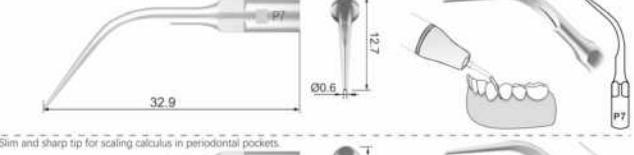
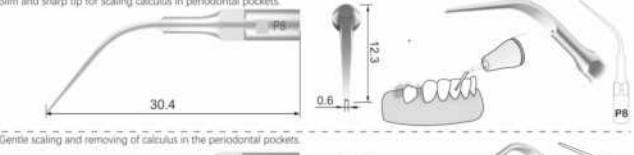
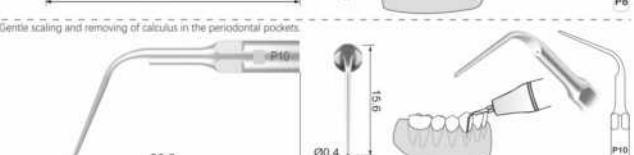
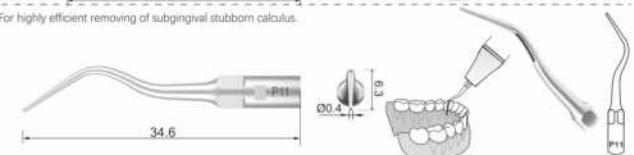
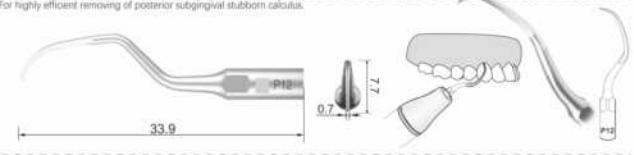
Applied to clean and irrigate calculus of periodontal shallow pockets.


**P5**

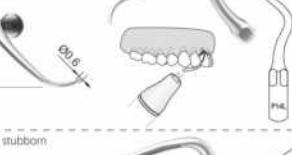
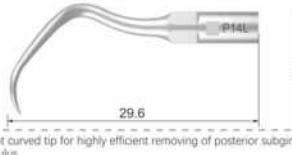
Removing calculus in the adjacent teeth and gingival margin of the neck.


**Dimension Unit: mm**
**Model**

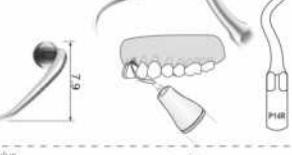
Slim and sharp tip for scaling calculus in periodontal deep pockets.

**P6**

**P7**

**P8**

**P10**

**P11**

**P12**

**For EMS®**
**Periodontics**
**Model**

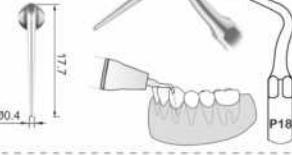
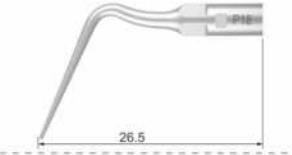
Left curved tip for highly efficient removing of posterior subgingival stubborn calculus.

**P14L**

**P14R**

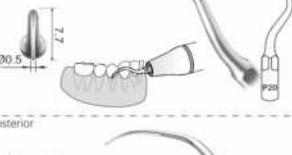
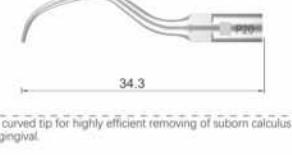
Right curved tip for highly efficient removing of posterior subgingival stubborn calculus.


**P18**

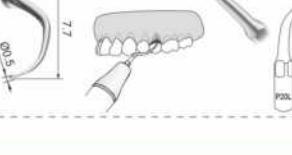
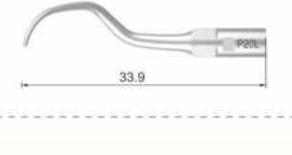
For probing deep periodontal pocket and removing subgingival calculus.


**P20**

For removing calculus in adjacent teeth, gingival margin of neck and subgingival pocket within 3mm.

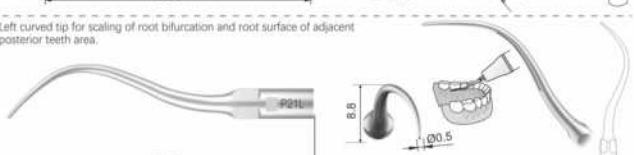
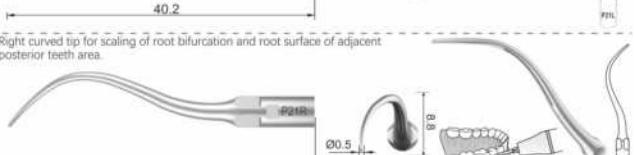

**P20L**

Left curved tip for highly efficient removing of suborn calculus in posterior subgingival.


**Dimension Unit: mm**
**Model**

Right curved tip for highly efficient removing of suborn calculus in posterior subgingival.

**P20R**

**P21L**

**P21R**

**P22L**

**P22R**

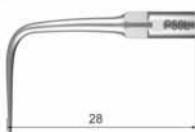

## For EMS®

## Periodontics

### Model

Titanium left curved tip for exploring subgingival calculus, subgingival scaling and root planning.

**P50L**



16  
Ø0.4  
28



**P50R**

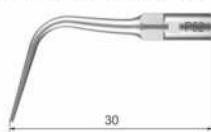


16  
Ø0.4  
28

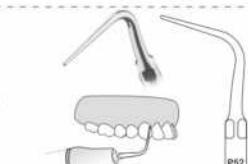


Applicable for all buccal and lingual area.

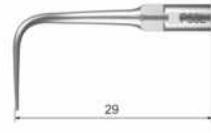
**P52**



16  
Ø0.85  
30



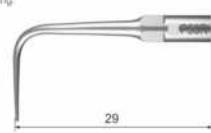
**P53L**



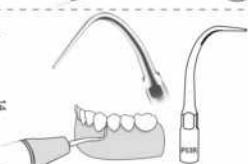
14  
Ø0.4  
29



**P53R**



14  
Ø0.4  
29

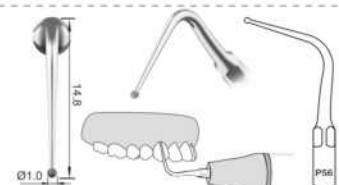


Dimension Unit: mm

### Model

Applicable for all buccal and lingual area.

**P56**



**P59**



Applicable for all buccal and lingual area of dental implant.

**P90**



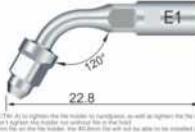
## For EMS®

## Endodontics

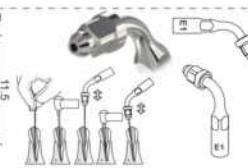
### Model

120° file holder used to hold the file diameter Ø0.7mm or Ø0.8mm. Recommended for irrigating of root canal, usually used for anterior teeth.

**E1**



22.8  
120°



95° file holder used to hold the file diameter Ø0.7mm or Ø0.8mm. Recommended for irrigating of root canal, usually used for molar teeth.

**E2**



19.4  
95°



Applied to melt gutta-percha. Immerse the tip in melted gutta-percha before inserting it in the canal. Slightly press the tip against the cone of gutta-percha and activate the scaler to condense until the canal is filled.

**E3**



33.0  
18.5



Diamond coated (40µm grit) for root canal enlarging and access to the broach file in root canal. Don't touch the broken file when enlarging the root canal in case putting it deeper in the canal.

**E3D**



33.6  
18.5



Diamond coated (40µm grit) tip for root canal orientation. It can also be applied to removing calcifications located at the top 1/3 part of root canal. Don't press too much during the treatment to avoid hurting the root canal.

**P4D**



32.2  
6°



Dimension Unit: mm

### Model

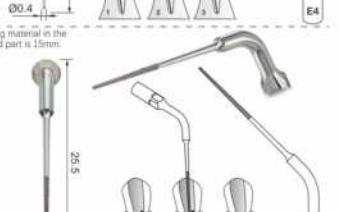
Applied to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is 22mm.

**E4**



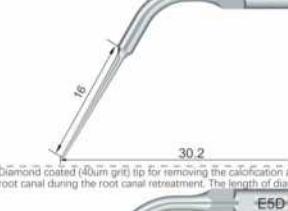
Diamond coated (40µm grit) tip for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of diamond coated part is 15mm.

**E4D**



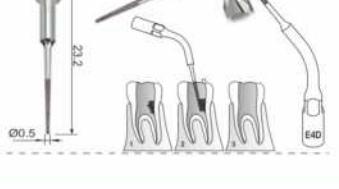
Applied to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is 16mm.

**E5**



Diamond coated (40µm grit) tip for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of diamond coated part is 10mm.

**E5D**



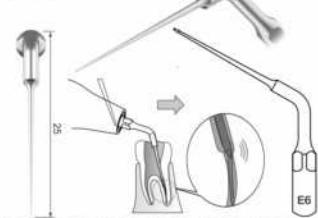
## For EMS®

### Endodontics

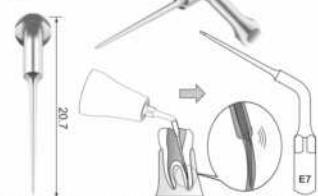
#### Model

Titanium tip applied to remove broken file in deep root canal.

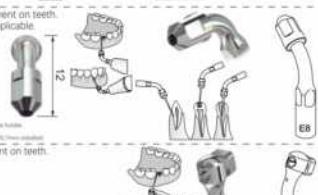
E6



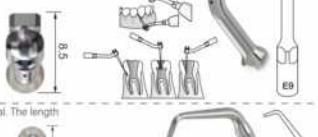
E7



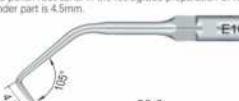
E8



E9



E10



Dimension Unit: mm

#### Model

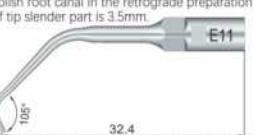
Diamond coated (40μm grit) instrument for highly efficient root planning in the retrograde preparation of root canal. The length of the diamond coated part is 3.3mm.

E10D



Applied to polish root canal in the retrograde preparation of root canal. The length of tip slender part is 3.5mm.

E11



Diamond coated (40μm grit) instrument for highly efficient root planning in the retrograde preparation of root canal. The length of the diamond coated part is 2.2mm.

E11D



Diamond coated (90μm grit) tip for removing calcification and bad filling material of pulp cavity, exposing the root canal orifice.

E12D



Applied to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is 22mm. With irrigation. To avoid push the broken file deeper into the root canal, don't use pressure to the tip in the axial direction.

E14



Applied to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is 18mm. With irrigation. To avoid push the broken file deeper into the root canal, don't use pressure to the tip in the axial direction.

Dimension Unit: mm

## For EMS®

### Endodontics

#### Mode

Diamond coated (40μm grit) tip for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of diamond coated part is 15mm. With irrigation.

E14D



Applied to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is 18mm. With irrigation. To avoid push the broken file deeper into the root canal, don't use pressure to the tip in the axial direction.

E15



Diamond coated (40μm grit) tip for removing the calcification and bad filling material in the root canal during the root canal retreatment. With water irrigation. The length of diamond coated part is 10mm.

E15D




120° angle holder. Sweeping anterior teeth coordinated with swished file after root canal preparation, used in E mode.

E51



Use only the provided wrench (7mm-17mm) to tighten the tip holder to handpiece, as well as tighten the tip for the the holder. Make sure not over tighten it, and don't tighten the holder too much so the tip can be easily removed after a 90° turn around.

#### Model

90° angle holder. Sweeping posterior teeth coordinated with twisted file after root canal preparation, used in E mode.

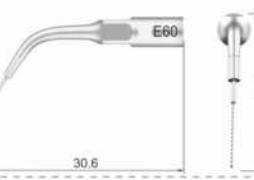
E52



Use only the provided wrench (7mm-17mm) to tighten the tip holder to handpiece, as well as tighten the tip for the the holder. Make sure not over tighten it, and don't tighten the holder too much so the tip can be easily removed after a 90° turn around.

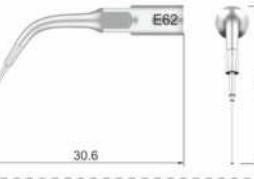
All-in-one endo irrigation file with slight cutting function.

E60



All-in-one endo irrigation file, with smooth surface.

E62



All-in-one endo irrigation file, with smooth surface.

## For EMS®

### Cavity Preparation

#### Model

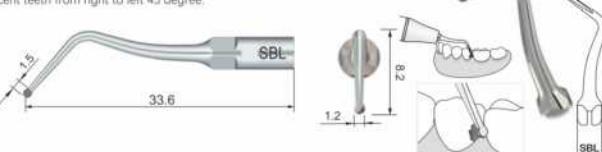
Diamond coated (85um) tip for removing caries on teeth neck and occlusal surface of teeth. Place the tip on the pit and move slowly with light pressure.

**SB1**

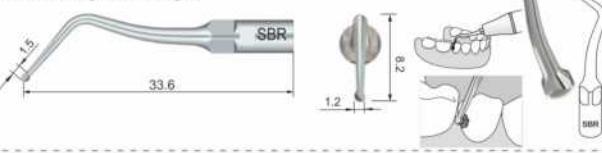
**SB2**

**SB3**


Left curved diamond coated (85um) tip for removing caries, it will not hurt the adjacent teeth from right to left 45 degree.

**SBL**


Right curved diamond coated (85um) tip for removing caries, it will not hurt the adjacent teeth from right to left 45 degree.

**SBR**


## TI-NI ALLOY ENDO FILE


**15# 20# 25# 30# 35# 40#**
**Titanium - Nickel alloy**
**LENGTH : 32.5mm±0.5mm**
**SHANK OD : Ø0.68mm~Ø1.1mm**

#### Application of the Scaler Tip

Compatible With	Application	Tip Model
EMS® / Woodpecker® / Piezo Ultrasonic Scaler JinDELL® AirSonic Scaler	Supragingival scaling	G1,G2,G3,G4,G5,G6,G7,G8,G9,G10,G12,G20,G21,G28
	Subgingival scaling	P1,P2L,P2LD,P2R,P2RD,P3,P3L,P3R,P3D,P4,P5,P6,P7,P8,P10,P11,P12,P14L,P14R,P18,P20,P20L,P20R,P21L,P21R,P22L,P22R,P50L,P50R,P51,P52,P53L,P53R,P54L,P54R,P55L,P55R,P60
	Endodontics	E1,E2,E3,E4,E5,E6,E7,E8,E9,E10,E10D,E11,E11D,E12D,E14,E14D,E15,E15D,E15L,E15R,E22,E50,L62
	Cavity preparation	SB1,SB2,SB3,SB4,SB5,SB6,SB7,G30,G31,G32,G33
Acteon® Satelec / NSK® Ultrasonic / DTE	Supragingival scaling	G01,G02,G03,G04,G05,G06,G07,G08,G09,G010,G012,G020,G021,G028
	Subgingival scaling	P01,P01L,P01R,P02,P02L,P02R,P03,P03L,P03R,P04,P04L,P04R,P05,P05L,P05R,P06,P06L,P06R,P07,P07L,P07R,P08,P08L,P08R,P09,P09L,P09R,P10,P10L,P10R,P11,P11L,P11R,P12,P12L,P12R,P14R,P16,P16L,P20L,P20R,P21L,P21R,P22L,P22R,P50L,P50R,P51L,P51R,P52L,P52R,P53L,P53R,P54L,P54R,P55L,P55R,P60
	Endodontics	E01,E02,E03,E04,E05,E06,E07,E08,E09,E010,E010D,E011,E011D,E012,E014,E014D,E015,E015D,E051,E052,E053,E054,E055,E056,E057,E058,E059,E0510,E0510D,E0511,E0511D,E0514,E0515
	Cavity preparation	SD1,SD1D,SD2,SD3,SD4,SD5,SD6,SD7,SD8,G030,G031,G032,G033
Sirona® Air Scaler	Supragingival scaling	G51,G52,G53,G54,G55,G56,G57,G58
	Subgingival scaling	P51,P53,P53D,P54
KaVo® / NSK Air Scaler	Endodontics	E51,E52,E53,E53D,E54,E54D,E55,E55D,E56,E56D,E57,E57D,E58,E58D,E59,E59D,E510,E510D,E511,E511D,E514,E515
	Cavity preparation	SB1,SB2,SB3,SB4,SB5,SB6
KaVo® / NSK Air Scaler	Compatible with SoniFlex series	GK1,GK2,GK3,GK4,GK5,GK6,GK7,GK8,GK9,GK10,GK11,GK12,GK13,GK14,GK15,GK16,GK17,GK18,GK19,GK20,GK21,GK22,GK23,GK24,GK25,GK26,GK27,GK28,GK29,GK30,GK31,GK32,GK33,GK34,GK35,GK36,GK37,GK38,GK39,GK40,GK41,GK42,GK43,GK44,GK45,GK46,GK47,GK48,GK49,GK50,GK51,GK52,GK53,GK54,GK55,GK56,GK57,GK58,GK59,GK60,GK61,GK62,GK63,GK64,GK65,GK66,GK67,GK68,GK69,GK70,GK71,GK72,GK73,GK74,GK75,GK76,GK77,GK78,GK79,GK80,GK81,GK82,GK83,GK84,GK85,GK86,GK87,GK88,GK89,GK90,GK91,GK92,GK93,GK94,GK95,GK96,GK97,GK98,GK99,GK100,GK101,GK102,GK103,GK104,GK105,GK106,GK107,GK108,GK109,GK110,GK111,GK112,GK113,GK114,GK115,GK116,GK117,GK118,GK119,GK120,GK121,GK122,GK123,GK124,GK125,GK126,GK127,GK128,GK129,GK130,GK131,GK132,GK133,GK134,GK135,GK136,GK137,GK138,GK139,GK140,GK141,GK142,GK143,GK144,GK145,GK146,GK147,GK148,GK149,GK150,GK151,GK152,GK153,GK154,GK155,GK156,GK157,GK158,GK159,GK160,GK161,GK162,GK163,GK164,GK165,GK166,GK167,GK168,GK169,GK170,GK171,GK172,GK173,GK174,GK175,GK176,GK177,GK178,GK179,GK180,GK181,GK182,GK183,GK184,GK185,GK186,GK187,GK188,GK189,GK190,GK191,GK192,GK193,GK194,GK195,GK196,GK197,GK198,GK199,GK199D,GK200,GK201,GK202,GK203,GK204,GK205,GK206,GK207,GK208,GK209,GK209D,GK210,GK211,GK212,GK213,GK214,GK215,GK216,GK217,GK218,GK219,GK219D,GK220,GK221,GK222,GK223,GK224,GK225,GK226,GK227,GK228,GK229,GK229D,GK230,GK231,GK232,GK233,GK234,GK235,GK236,GK237,GK238,GK239,GK239D,GK240,GK241,GK242,GK243,GK244,GK245,GK246,GK247,GK248,GK249,GK249D,GK250,GK251,GK252,GK253,GK254,GK255,GK256,GK257,GK258,GK259,GK259D,GK260,GK261,GK262,GK263,GK264,GK265,GK266,GK267,GK268,GK269,GK269D,GK270,GK271,GK272,GK273,GK274,GK275,GK276,GK277,GK278,GK278D,GK279,GK280,GK281,GK282,GK283,GK284,GK285,GK286,GK287,GK288,GK289,GK289D,GK290,GK291,GK292,GK293,GK294,GK295,GK296,GK297,GK298,GK298D,GK299,GK299D,GK300,GK301,GK302,GK303,GK304,GK305,GK306,GK307,GK308,GK308D,GK309,GK310,GK311,GK312,GK313,GK314,GK315,GK316,GK317,GK318,GK318D,GK319,GK320,GK321,GK322,GK323,GK324,GK325,GK326,GK327,GK328,GK328D,GK329,GK330,GK331,GK332,GK333,GK334,GK335,GK336,GK337,GK338,GK338D,GK339,GK340,GK341,GK342,GK343,GK344,GK345,GK346,GK347,GK348,GK348D,GK349,GK350,GK351,GK352,GK353,GK354,GK355,GK356,GK357,GK358,GK358D,GK359,GK360,GK361,GK362,GK363,GK364,GK365,GK366,GK367,GK368,GK368D,GK369,GK370,GK371,GK372,GK373,GK374,GK375,GK376,GK377,GK378,GK378D,GK379,GK380,GK381,GK382,GK383,GK384,GK385,GK386,GK387,GK388,GK388D,GK389,GK390,GK391,GK392,GK393,GK394,GK395,GK396,GK397,GK398,GK398D,GK399,GK399D,GK400,GK401,GK402,GK403,GK404,GK405,GK406,GK407,GK408,GK408D,GK409,GK410,GK411,GK412,GK413,GK414,GK415,GK416,GK417,GK418,GK418D,GK419,GK420,GK421,GK422,GK423,GK424,GK425,GK426,GK427,GK428,GK428D,GK429,GK430,GK431,GK432,GK433,GK434,GK435,GK436,GK437,GK438,GK438D,GK439,GK440,GK441,GK442,GK443,GK444,GK445,GK446,GK447,GK448,GK448D,GK449,GK450,GK451,GK452,GK453,GK454,GK455,GK456,GK457,GK458,GK458D,GK459,GK460,GK461,GK462,GK463,GK464,GK465,GK466,GK467,GK468,GK468D,GK469,GK470,GK471,GK472,GK473,GK474,GK475,GK476,GK477,GK478,GK478D,GK479,GK480,GK481,GK482,GK483,GK484,GK485,GK486,GK487,GK488,GK488D,GK489,GK490,GK491,GK492,GK493,GK494,GK495,GK496,GK497,GK498,GK498D,GK499,GK499D,GK500,GK501,GK502,GK503,GK504,GK505,GK506,GK507,GK508,GK508D,GK509,GK510,GK511,GK512,GK513,GK514,GK515,GK516,GK517,GK518,GK518D,GK519,GK520,GK521,GK522,GK523,GK524,GK525,GK526,GK527,GK528,GK528D,GK529,GK530,GK531,GK532,GK533,GK534,GK535,GK536,GK537,GK538,GK538D,GK539,GK540,GK541,GK542,GK543,GK544,GK545,GK546,GK547,GK548,GK548D,GK549,GK550,GK551,GK552,GK553,GK554,GK555,GK556,GK557,GK558,GK558D,GK559,GK560,GK561,GK562,GK563,GK564,GK565,GK566,GK567,GK568,GK568D,GK569,GK570,GK571,GK572,GK573,GK574,GK575,GK576,GK577,GK578,GK578D,GK579,GK580,GK581,GK582,GK583,GK584,GK585,GK586,GK587,GK588,GK588D,GK589,GK590,GK591,GK592,GK593,GK594,GK595,GK596,GK597,GK598,GK598D,GK599,GK599D,GK600,GK601,GK602,GK603,GK604,GK605,GK606,GK607,GK608,GK608D,GK609,GK610,GK611,GK612,GK613,GK614,GK615,GK616,GK617,GK618,GK618D,GK619,GK620,GK621,GK622,GK623,GK624,GK625,GK626,GK627,GK628,GK628D,GK629,GK630,GK631,GK632,GK633,GK634,GK635,GK636,GK637,GK638,GK638D,GK639,GK640,GK641,GK642,GK643,GK644,GK645,GK646,GK647,GK648,GK648D,GK649,GK650,GK651,GK652,GK653,GK654,GK655,GK656,GK657,GK658,GK658D,GK659,GK660,GK661,GK662,GK663,GK664,GK665,GK666,GK667,GK668,GK668D,GK669,GK670,GK671,GK672,GK673,GK674,GK675,GK676,GK677,GK678,GK678D,GK679,GK680,GK681,GK682,GK683,GK684,GK685,GK686,GK687,GK688,GK688D,GK689,GK690,GK691,GK692,GK693,GK694,GK695,GK696,GK697,GK698,GK698D,GK699,GK699D,GK700,GK701,GK702,GK703,GK704,GK705,GK706,GK707,GK708,GK708D,GK709,GK710,GK711,GK712,GK713,GK714,GK715,GK716,GK717,GK718,GK718D,GK719,GK720,GK721,GK722,GK723,GK724,GK725,GK726,GK727,GK728,GK728D,GK729,GK730,GK731,GK732,GK733,GK734,GK735,GK736,GK737,GK738,GK738D,GK739,GK740,GK741,GK742,GK743,GK744,GK745,GK746,GK747,GK748,GK748D,GK749,GK750,GK751,GK752,GK753,GK754,GK755,GK756,GK757,GK758,GK758D,GK759,GK760,GK761,GK762,GK763,GK764,GK765,GK766,GK767,GK768,GK768D,GK769,GK770,GK771,GK772,GK773,GK774,GK775,GK776,GK777,GK778,GK778D,GK779,GK780,GK781,GK782,GK783,GK784,GK785,GK786,GK787,GK788,GK788D,GK789,GK790,GK791,GK792,GK793,GK794,GK795,GK796,GK797,GK798,GK798D,GK799,GK799D,GK800,GK801,GK802,GK803,GK804,GK805,GK806,GK807,GK808,GK808D,GK809,GK810,GK811,GK812,GK813,GK814,GK815,GK816,GK817,GK818,GK818D,GK819,GK820,GK821,GK822,GK823,GK824,GK825,GK826,GK827,GK828,GK828D,GK829,GK830,GK831,GK832,GK833,GK834,GK835,GK836,GK837,GK838,GK838D,GK839,GK840,GK841,GK842,GK843,GK844,GK845,GK846,GK847,GK848,GK848D,GK849,GK850,GK851,GK852,GK853,GK854,GK855,GK856,GK857,GK858,GK858D,GK859,GK860,GK861,GK862,GK863,GK864,GK865,GK866,GK867,GK868,GK868D,GK869,GK870,GK871,GK872,GK873,GK874,GK875,GK876,GK877,GK878,GK878D,GK879,GK880,GK881,GK882,GK883,GK884,GK885,GK886,GK887,GK888,GK888D,GK889,GK890,GK891,GK892,GK893,GK894,GK895,GK896,GK897,GK898,GK898D,GK899,GK899D,GK900,GK901,GK902,GK903,GK904,GK905,GK906,GK907,GK908,GK908D,GK909,GK910,GK911,GK912,GK913,GK914,GK915,GK916,GK917,GK918,GK918D,GK919,GK920,GK921,GK922,GK923,GK924,GK925,GK926,GK927,GK928,GK928D,GK929,GK930,GK931,GK932,GK933,GK934,GK935,GK936,GK937,GK938,GK938D,GK939,GK940,GK941,GK942,GK943,GK944,GK945,GK946,GK947,GK948,GK948D,GK949,GK950,GK951,GK952,GK953,GK954,GK955,GK956,GK957,GK958,GK958D,GK959,GK960,GK961,GK962,GK963,GK964,GK965,GK966,GK967,GK968,GK968D,GK969,GK970,GK971,GK972,GK973,GK974,GK975,GK976,GK977,GK978,GK978D,GK979,GK980,GK981,GK982,GK983,GK984,GK985,GK986,GK987,GK988,GK988D,GK989,GK990,GK991,GK992,GK993,GK994,GK995,GK996,GK997,GK998,GK998D,GK999,GK999D,GK1000,GK1001,GK1002,GK1003,GK1004,GK1005,GK1006,GK1007,GK1008,GK1008D,GK1009,GK1010,GK1011,GK1012,GK1013,GK1014,GK1015,GK1016,GK1017,GK1018,GK1018D,GK1019,GK1020,GK1021,GK1022,GK1023,GK1024,GK1025,GK1026,GK1027,GK1028,GK1028D,GK1029,GK1030,GK1031,GK1032,GK1033,GK1034,GK1035,GK1036,GK1037,GK1038,GK1038D,GK1039,GK1040,GK1041,GK1042,GK1043,GK1044,GK1045,GK1046,GK1047,GK1048,GK1048D,GK1049,GK1050,GK1051,GK1052,GK1053,GK1054,GK1055,GK1056,GK1057,GK1058,GK1058D,GK1059,GK1060,GK1061,GK1062,GK1063,GK1064,GK1065,GK1066,GK1067,GK1068,GK1068D,GK1069,GK1070,GK1071,GK1072,GK1073,GK1074,GK1075,GK1076,GK1077,GK1078,GK1078D,GK1079,GK1080,GK1081,GK1082,GK1083,GK1084,GK1085,GK1086,GK1087,GK1088,GK1088D,GK1089,GK1090,GK1091,GK1092,GK1093,GK1094,GK1095,GK1096,GK1097,GK1098,GK1098D,GK1099,GK1099D,GK1100,GK1101,GK1102,GK1103,GK1104,GK1105,GK1106,GK1107,GK1108,GK1108D,GK1109,GK1110,GK1111,GK1112,GK1113,GK1114,GK1115,GK1116,GK1117,GK1118,GK1118D,GK1119,GK1120,GK1121,GK1122,GK1123,GK1124,GK1125,GK1126,GK1127,GK1128,GK1128D,GK1129,GK1130,GK1131,GK1132,GK1133,GK1134,GK1135,GK1136,GK1137,GK1138,GK1138D,GK1139,GK1140,GK1141,GK1142,GK1143,GK1144,GK1145,GK1146,GK1147,GK1148,GK1148D,GK1149,GK1150,GK1151,GK1152,GK1153,GK1154,GK1155,GK1156,GK1157,GK1158,GK1158D,GK1159,GK1160,GK1161,GK1162,GK1163,GK1164,GK1165,GK1166,GK1167,GK1168,GK1168D,GK1169,GK1170,GK1171,GK1172,GK1173,GK1174,GK1175,GK1176,GK1177,GK1178,GK1178D,GK1179,GK1180,GK1181,GK1182,GK1183,GK1184,GK1185,GK1186,GK1187,GK1188,GK1188D,GK1189,GK1190,GK1191,GK1192,GK1193,GK1194,GK1195,GK1196,GK1197,GK1198,GK1198D,GK1199,GK1199D,GK1200,GK1201,GK1202,GK1203,GK1204,GK1205,GK1206,GK1207,GK1208,GK1208D,GK1209,GK1210,GK1211,GK1212,GK1213,GK1214,GK1215,GK1216,GK1217,GK1218,GK1218D,GK1219,GK1220,GK1221,GK1222,GK1223,GK1224,GK1225,GK1226,GK1227,GK1228,GK1228D,GK1229,GK1230,GK1231,GK1232,GK1233,GK1234,GK1235,GK1236,GK1237,GK1238,GK1238D,GK1239,GK1240,GK1241,GK1242,GK1243,GK1244,GK1245,GK1246,GK1247,GK1248,GK1248D,GK1249,GK1250,GK1251,GK1252,GK1253,GK1254,GK1255,GK1256,GK1257,GK1258,GK1258D,GK1259,GK1260,GK1261,GK1262,GK1263,GK1264,GK1265,GK1266,GK1267,GK1268,GK1268D,GK1269,GK1270,GK1271,GK1272,GK1273,GK1274,GK1275,GK1276,GK1277,GK1278,GK1278D,GK1279,GK1280,GK1281,GK1282,GK1283,GK1284,GK1285,GK1286,GK1287,GK1288,GK1288D,GK1289,GK1290,GK1291,GK1292,GK1293,GK1294,GK1295,GK1296,GK1297,GK1298,GK1298D,GK1299,GK1299D,GK1300,GK1301,GK1302,GK1303,GK1304,GK1305,GK1306,GK1307,GK1308,GK1308D,GK1309,GK1310,GK1311,GK1312,GK1313,GK1314,GK1315,GK1316,GK1317,GK1318,GK1318D,GK1319,GK1320,GK1321,GK1322,GK1323,GK1324,GK1325,GK1326,GK1327,GK1328,GK1328D,GK1329,GK1330,GK1331,GK1332,GK1333,GK1334,GK1335,GK1336,GK1337,GK1338,GK1338D,GK1339,GK1340,GK1341,GK1342,GK1343,GK1344,GK1345,GK1346,GK1347,GK1348,GK1348D,GK1349,GK1350,GK1351,GK1352,GK1353,GK1354,GK1355,GK1356,GK1357,GK1358,GK1358D,GK1359,GK1360,GK1361,GK1362,GK1363,GK1364,GK1365,GK1366,GK1367,GK1368,GK1368D,GK1369,GK1370,GK1371,GK1372,GK1373,GK1374,GK1375,GK1376,GK1377,GK1378,GK1378D,GK1379,GK1380,GK1381,GK1382,GK1383,GK1384,GK1385,GK1386,GK1387,GK1388,GK1388D,GK1389,GK1390,GK1391,GK1392,GK1393,GK1394,GK1395,GK1396,GK1397,GK1398,GK1398D,GK1399,GK1399D,GK1400,GK1401,GK1402,GK1403,GK1404,GK1405,GK1406,GK1407,GK1408,GK1408D,GK1409,GK1410,GK1411,GK1412,GK1413,GK1414,GK1415,GK1416,GK1417,GK1418,GK1418D,GK1419,GK1420,GK1421,GK1422,GK1423,GK1424,GK1425,GK1426,GK1427,GK1