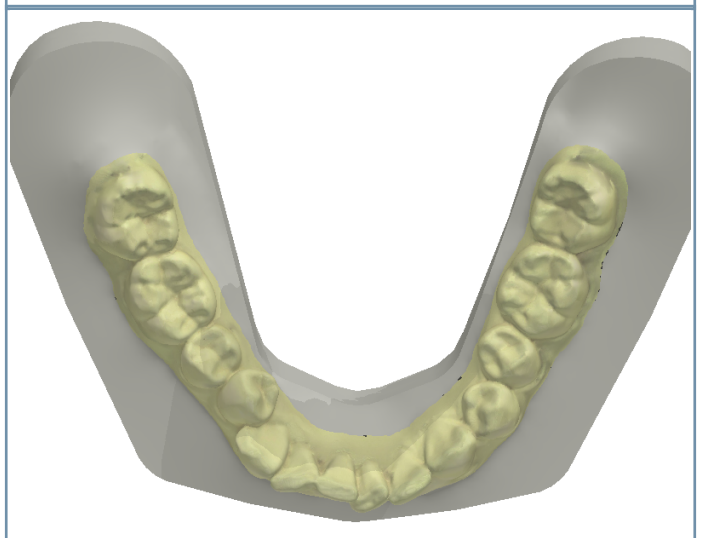
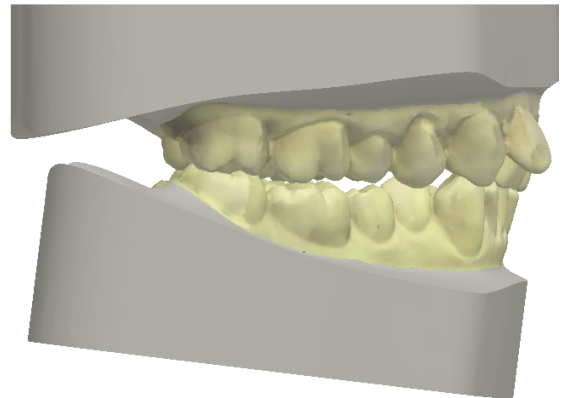
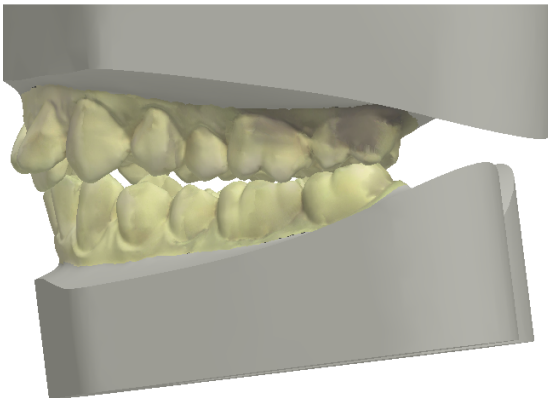
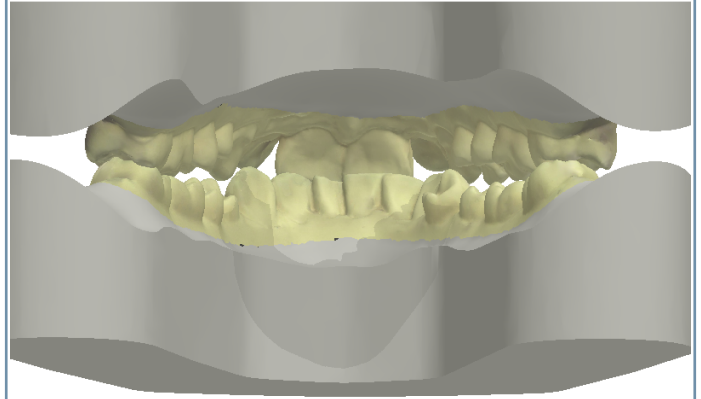
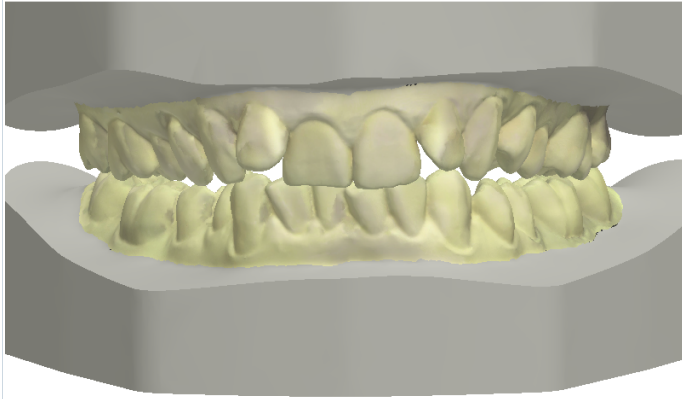


## PATIENT

• ID: 20161208  
• SSN:  
• Name:  
• Address:  
• City:  
• Country:  
• Clinic ID:

## CASE

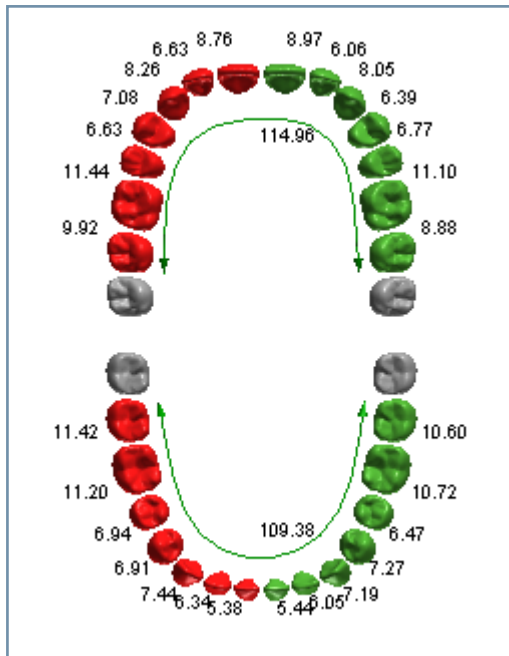
• ID: 01  
• Operator:  
• Comment:  
• Date: 12/8/2016  
• Scan date: 12/8/2016 1:21:40 PM



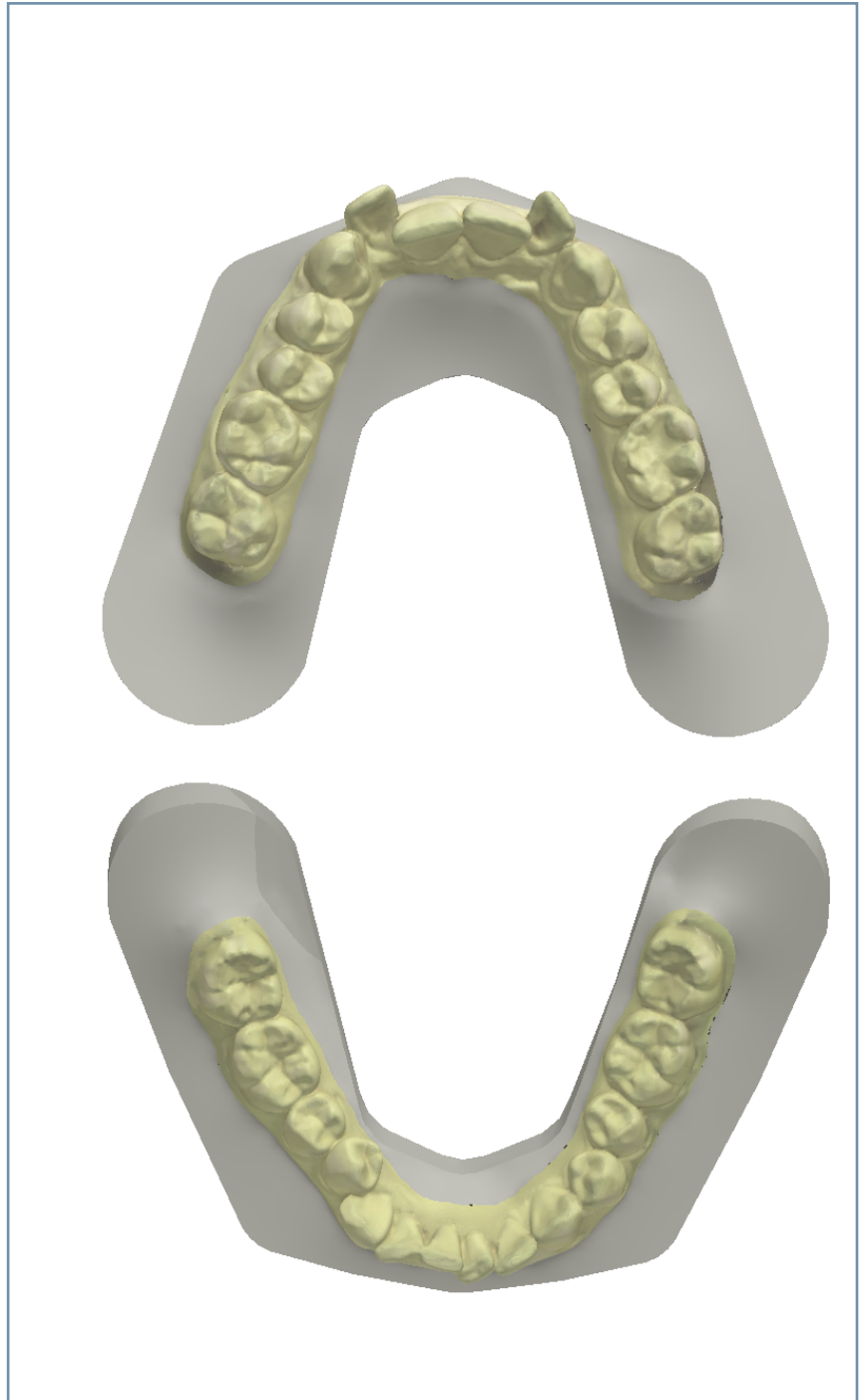
## Ideal arch analysis

- Ideal length 0.00
- Bracket offset\_length 0.00

Overview



Ideal curve

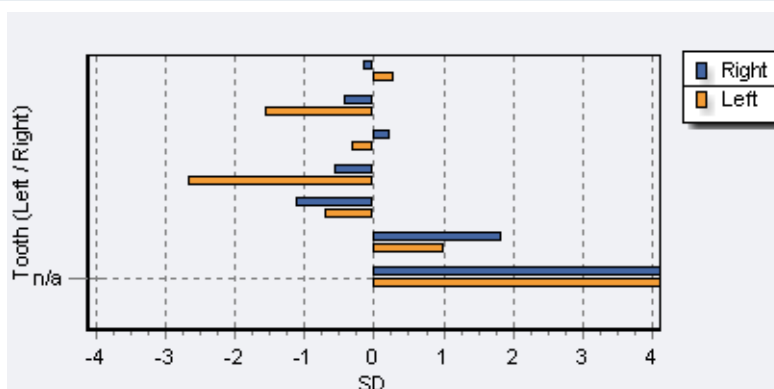


## Tooth width analysis

Table: **Default**

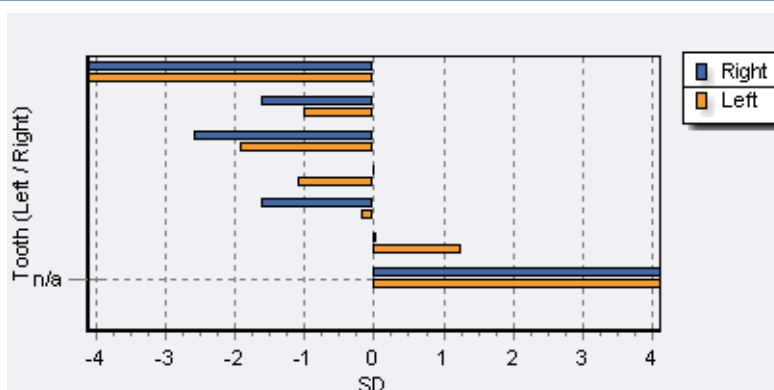
### MAXILLARY TOOTH WIDTH ANALYSIS

Tooth	Width	Tooth	Width
11	8.76	21	8.97
12	6.63	22	6.06
13	8.26	23	8.05
14	7.08	24	6.39
15	6.63	25	6.77
16	11.44	26	11.10
17	9.92	27	8.88



### MANDIBULAR TOOTH WIDTH ANALYSIS

Tooth	Width	Tooth	Width
31	5.44	41	5.38
32	6.05	42	6.34
33	7.19	43	7.44
34	7.27	44	6.91
35	6.47	45	6.94
36	10.72	46	11.20
37	10.60	47	11.42



## Bolton analysis

### ANTERIOR BOLTON ANALYSIS

- Maxillary 6 width: 46.73
- Mandibular 6 width: 37.85
- Ratio: 0.81
- Ideal ratios

Maxill. 6	Mandib. 6	Ratio
40.00	30.90	0.77
40.50	31.30	0.77
41.00	31.70	0.77
41.50	32.00	0.77
42.00	32.40	0.77

### OVERALL BOLTON ANALYSIS

- Maxillary 6 width: 96.15
- Mandibular 6 width: 87.36
- Ratio: 0.91
- Ideal ratios

Maxill. 12	Mandib. 12	Ratio
85.00	77.60	0.91
86.00	78.50	0.91
87.00	79.40	0.91
88.00	80.30	0.91
89.00	81.30	0.91

## Space analysis

Table: **Default**

### MAXILLARY SPACE ANALYSIS

- *Total space available:* 73.61
- *Sum of incisor widths* 30.42

#### Moyers

- *Sum of left canine & premolars:* 22.73
- *Sum of right canine & premolars* 22.73
- *Total space required* 75.88
- *Discrepancy* -2.27

#### Tanaka & Johnston

- *Sum of left canine & premolars:* 22.61
- *Sum of right canine & premolars* 22.61
- *Total space required* 75.64
- *Discrepancy* -2.03

### MANDIBULAR SPACE ANALYSIS

- *Total space available:* 65.43
- *Sum of incisor widths* 23.22

#### Moyers

- *Sum of left canine & premolars:* 22.33
- *Sum of right canine & premolars* 22.33
- *Total space required* 67.88
- *Discrepancy* -2.45

#### Tanaka & Johnston

- *Sum of left canine & premolars:* 22.11
- *Sum of right canine & premolars* 22.11
- *Total space required* 67.44
- *Discrepancy* -2.00

### Teeth Movement Report

17	17.9 deg	-4.0 deg	3.2 deg	-2.8 mm	0.2 mm	-2.5 mm			83.9 deg	37.1 mm
16	11.9 deg	-0.3 deg	-1.6 deg	-3.5 mm	0.7 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.9 deg	0.5 deg	7.7 deg	-3.9 mm	1.1 mm	2.6 mm	0.20	0.20	73.1 deg	27.0 mm
14	-26.7 deg	1.7 deg	1.5 deg	-5.2 mm	1.1 mm	3.6 mm	0.20	0.20	76.2 deg	26.8 mm
13	-16.7 deg	-8.1 deg	-3.0 deg	-1.4 mm	1.3 mm	2.0 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.9 deg	-2.6 deg	-25.0 deg	-2.1 mm	-0.1 mm	4.2 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.6 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.9 mm	0.20	0.20	87.5 deg	23.8 mm
21	-11.8 deg	4.2 deg	-1.3 deg	-2.1 mm	-0.4 mm	1.4 mm	0.20	0.20	82.4 deg	23.9 mm
22	-26.5 deg	-9.6 deg	-15.3 deg	1.6 mm	-0.7 mm	3.7 mm	0.20	0.20	50.2 deg	19.0 mm
23	-26.7 deg	0.3 deg	-3.6 deg	-1.6 mm	0.1 mm	4.8 mm	0.20	0.20	86.2 deg	26.3 mm
24	-42.0 deg	-1.4 deg	-2.7 deg	2.6 mm	-1.5 mm	6.5 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.9 deg	0.2 deg	4.3 deg	-0.1 mm	-0.7 mm	4.7 mm	0.20	0.20	82.9 deg	26.6 mm
26	6.1 deg	-3.4 deg	6.5 deg	0.8 mm	-1.3 mm	2.0 mm	0.30	0.30	83.4 deg	38.9 mm
27	3.4 deg	-0.1 deg	0.4 deg	0.7 mm	-1.1 mm	2.3 mm			72.4 deg	36.3 mm
37	5.1 deg	-2.9 deg	3.1 deg	0.1 mm	1.0 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	6.2 deg	-0.3 deg	2.4 deg	-0.9 mm	0.4 mm	1.2 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.4 deg	6.5 deg	-1.3 mm	-0.6 mm	2.2 mm	0.20	0.20	80.7 deg	25.2 mm
34	-7.0 deg	0.9 deg	4.9 deg	-1.1 mm	-1.2 mm	1.0 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.6 deg	-1.6 mm	-0.7 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-11.5 deg	-3.8 deg	0.8 deg	-0.8 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-27.3 deg	-5.0 deg	5.1 deg	-0.4 mm	-0.4 mm	-1.0 mm	0.20	0.20	68.2 deg	15.4 mm
41	-8.3 deg	0.3 deg	2.1 deg	0.2 mm	0.0 mm	-0.2 mm	0.20	0.20	72.0 deg	16.0 mm
42	38.3 deg	-0.7 deg	5.9 deg	0.2 mm	-0.4 mm	-1.5 mm	0.20	0.20	70.2 deg	16.9 mm
43	-13.6 deg	0.9 deg	3.7 deg	-1.0 mm	-0.7 mm	-0.6 mm	0.20	0.20	73.6 deg	21.4 mm
44	-14.0 deg	2.6 deg	25.9 deg	-0.9 mm	-0.9 mm	-0.6 mm	0.20	0.20	74.5 deg	23.6 mm
45	18.4 deg	-2.3 deg	6.8 deg	-1.0 mm	-2.0 mm	1.7 mm	0.20	0.20	83.2 deg	25.3 mm
46	11.9 deg			-0.8 mm	-1.5 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-15.7 deg	2.0 deg	2.1 mm	0.9 mm	-1.1 mm			73.7 deg	36.8 mm

### Setup: Subsetup1

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	0.4 deg	-0.1 deg	0.1 deg	-0.1 mm	0.0 mm	-0.1 mm			83.9 deg	37.1 mm
16	0.3 deg		0.0 deg	-0.1 mm	0.0 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.1 deg		0.2 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	73.1 deg	27.0 mm
14	-0.7 deg	0.0 deg	0.0 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	76.2 deg	26.8 mm
13	-0.4 deg	-0.2 deg	-0.1 deg	0.0 mm	0.0 mm	0.1 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.0 deg	-0.1 deg	-0.6 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.1 deg			0.0 mm	0.0 mm	0.0 mm	0.20	0.20	87.5 deg	23.8 mm
21	-0.3 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	82.4 deg	23.9 mm
22	-0.6 deg	-0.1 deg	-0.4 deg	0.0 mm	0.0 mm	0.1 mm	0.20	0.20	50.2 deg	19.0 mm
23	-0.7 deg	0.0 deg	-0.1 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	86.2 deg	26.3 mm
24	-1.0 deg		-0.1 deg	0.0 mm	0.0 mm	0.2 mm	0.20	0.20	83.9 deg	27.0 mm
25	0.0 deg		0.1 deg	0.0 mm	0.0 mm	0.1 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.2 deg	-0.1 deg	0.2 deg	0.0 mm	0.0 mm	0.0 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.1 deg			0.0 mm	0.0 mm	0.1 mm			72.4 deg	36.3 mm

37	0.1 deg	-0.1 deg	0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.2 deg		0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.35	0.35	71.6 deg	36.1 mm
35			0.2 deg	0.0 mm	0.0 mm	0.1 mm	0.20	0.20	80.7 deg	25.2 mm
34	-0.2 deg	0.0 deg	0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-0.3 deg	-0.1 deg		0.0 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-0.7 deg	-0.2 deg	0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	68.2 deg	15.4 mm
41	-0.2 deg		0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	1.0 deg	0.0 deg	0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	70.2 deg	16.9 mm
43	-0.3 deg		0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	73.6 deg	21.4 mm
44	-0.3 deg	0.0 deg	0.6 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	74.5 deg	23.6 mm
45	0.5 deg	0.0 deg	0.2 deg	0.0 mm	-0.1 mm	0.0 mm	0.20	0.20	83.2 deg	25.3 mm
46	0.3 deg			0.0 mm	0.0 mm	0.0 mm			81.9 deg	37.6 mm
47		-0.4 deg	0.0 deg	0.1 mm	0.0 mm	0.0 mm			73.7 deg	36.8 mm

**Setup: Subsetup2**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	0.9 deg	-0.2 deg	0.2 deg	-0.1 mm	0.0 mm	-0.1 mm			83.9 deg	37.1 mm
16	0.6 deg	0.0 deg	-0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.3 deg		0.4 deg	-0.2 mm	0.1 mm	0.1 mm	0.20	0.20	73.1 deg	27.0 mm
14	-1.3 deg	0.1 deg	0.1 deg	-0.3 mm	0.1 mm	0.2 mm	0.20	0.20	76.2 deg	26.8 mm
13	-0.8 deg	-0.4 deg	-0.2 deg	-0.1 mm	0.1 mm	0.1 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.0 deg	-0.1 deg	-1.2 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.2 deg	0.0 deg		0.0 mm	0.0 mm	0.0 mm	0.20	0.20	87.5 deg	23.8 mm
21	-0.6 deg	0.2 deg	0.0 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-1.3 deg	-0.3 deg	-0.8 deg	0.1 mm	0.0 mm	0.2 mm	0.20	0.20	50.2 deg	19.0 mm
23	-1.3 deg	0.1 deg	-0.2 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	86.2 deg	26.3 mm
24	-2.1 deg	0.0 deg	-0.2 deg	0.1 mm	-0.1 mm	0.4 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.1 deg		0.2 deg	0.0 mm	0.0 mm	0.2 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.3 deg	-0.2 deg	0.3 deg	0.0 mm	-0.1 mm	0.1 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.2 deg		0.0 deg	0.0 mm	-0.1 mm	0.1 mm			72.4 deg	36.3 mm
37	0.3 deg	-0.1 deg	0.2 deg	0.0 mm	0.1 mm	0.0 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.3 deg		0.1 deg	0.0 mm	0.0 mm	0.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.0 deg	0.0 deg	0.3 deg	-0.1 mm	0.0 mm	0.1 mm	0.20	0.20	80.7 deg	25.2 mm
34	-0.4 deg	0.0 deg	0.2 deg	-0.1 mm	-0.1 mm	0.0 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.2 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-0.6 deg	-0.2 deg	0.0 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-1.4 deg	-0.3 deg	0.2 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	68.2 deg	15.4 mm
41	-0.4 deg		0.1 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	1.9 deg	0.1 deg	0.3 deg	0.0 mm	0.0 mm	-0.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-0.7 deg	0.0 deg	0.2 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	73.6 deg	21.4 mm
44	-0.7 deg	0.0 deg	1.3 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	74.5 deg	23.6 mm
45	0.9 deg	-0.1 deg	0.4 deg	-0.1 mm	-0.1 mm	0.1 mm	0.20	0.20	83.2 deg	25.3 mm
46	0.6 deg			0.0 mm	-0.1 mm	0.0 mm			81.9 deg	37.6 mm
47		-0.8 deg	0.1 deg	0.1 mm	0.0 mm	-0.1 mm			73.7 deg	36.8 mm

**Setup: Subsetup3**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	1.3 deg	-0.3 deg	0.3 deg	-0.2 mm	0.0 mm	-0.2 mm			83.9 deg	37.1 mm
16	0.9 deg	0.0 deg	-0.1 deg	-0.3 mm	0.1 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.4 deg		0.6 deg	-0.3 mm	0.1 mm	0.2 mm	0.20	0.20	73.1 deg	27.0 mm
14	-2.0 deg	0.1 deg	0.1 deg	-0.4 mm	0.1 mm	0.2 mm	0.20	0.20	76.2 deg	26.8 mm
13	-1.2 deg	-0.6 deg	-0.3 deg	-0.1 mm	0.1 mm	0.2 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.1 deg	-0.2 deg	-1.9 deg	-0.2 mm	0.0 mm	0.3 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.3 deg	0.0 deg		0.0 mm	0.0 mm	0.1 mm	0.20	0.20	87.5 deg	23.8 mm
21	-0.9 deg	0.3 deg	-0.1 deg	-0.2 mm	0.0 mm	0.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-2.0 deg	-0.4 deg	-1.3 deg	0.1 mm	0.0 mm	0.3 mm	0.20	0.20	50.2 deg	19.0 mm
23	-2.0 deg	0.1 deg	-0.3 deg	-0.2 mm	0.0 mm	0.3 mm	0.20	0.20	86.2 deg	26.3 mm
24	-3.1 deg	0.0 deg	-0.2 deg	0.1 mm	-0.1 mm	0.5 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.1 deg		0.3 deg	0.0 mm	-0.1 mm	0.4 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.5 deg	-0.2 deg	0.5 deg	0.1 mm	-0.1 mm	0.1 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.3 deg		0.0 deg	0.1 mm	-0.1 mm	0.2 mm			72.4 deg	36.3 mm
37	0.4 deg	-0.2 deg	0.2 deg	0.0 mm	0.1 mm	0.0 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.5 deg		0.2 deg	-0.1 mm	0.0 mm	0.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.0 deg	0.0 deg	0.5 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	80.7 deg	25.2 mm
34	-0.5 deg	0.0 deg	0.4 deg	-0.1 mm	-0.1 mm	0.1 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.3 deg	-0.1 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-0.9 deg	-0.3 deg	0.0 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-2.0 deg	-0.4 deg	0.3 deg	0.0 mm	0.0 mm	-0.1 mm	0.20	0.20	68.2 deg	15.4 mm
41	-0.6 deg		0.2 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	2.9 deg	0.1 deg	0.4 deg	0.0 mm	0.0 mm	-0.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-1.0 deg	0.0 deg	0.3 deg	-0.1 mm	-0.1 mm	0.0 mm	0.20	0.20	73.6 deg	21.4 mm
44	-1.0 deg	0.0 deg	1.9 deg	-0.1 mm	-0.1 mm	0.0 mm	0.20	0.20	74.5 deg	23.6 mm
45	1.4 deg	-0.1 deg	0.5 deg	-0.1 mm	-0.2 mm	0.1 mm	0.20	0.20	83.2 deg	25.3 mm
46	0.9 deg			-0.1 mm	-0.1 mm	0.0 mm			81.9 deg	37.6 mm
47	0.0 deg	-1.2 deg	0.1 deg	0.2 mm	0.1 mm	-0.1 mm			73.7 deg	36.8 mm

**Setup: Subsetup4**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	1.8 deg	-0.4 deg	0.4 deg	-0.3 mm	0.0 mm	-0.3 mm			83.9 deg	37.1 mm
16	1.2 deg	0.0 deg	-0.2 deg	-0.4 mm	0.1 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.6 deg		0.8 deg	-0.4 mm	0.1 mm	0.3 mm	0.20	0.20	73.1 deg	27.0 mm
14	-2.7 deg	0.1 deg	0.2 deg	-0.6 mm	0.1 mm	0.3 mm	0.20	0.20	76.2 deg	26.8 mm
13	-1.7 deg	-0.8 deg	-0.4 deg	-0.2 mm	0.1 mm	0.2 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.1 deg	-0.3 deg	-2.5 deg	-0.2 mm	0.0 mm	0.4 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.4 deg	0.0 deg		0.0 mm	0.0 mm	0.1 mm	0.20	0.20	87.5 deg	23.8 mm
21	-1.2 deg	0.4 deg	-0.1 deg	-0.2 mm	0.0 mm	0.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-2.6 deg	-0.6 deg	-1.7 deg	0.1 mm	0.0 mm	0.4 mm	0.20	0.20	50.2 deg	19.0 mm
23	-2.6 deg	0.1 deg	-0.3 deg	-0.2 mm	0.0 mm	0.5 mm	0.20	0.20	86.2 deg	26.3 mm
24	-4.2 deg	0.0 deg	-0.3 deg	0.1 mm	-0.1 mm	0.7 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.2 deg	0.0 deg	0.4 deg	0.0 mm	-0.1 mm	0.5 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.6 deg	-0.3 deg	0.7 deg	0.1 mm	-0.1 mm	0.2 mm	0.30	0.30	83.4 deg	38.9 mm



27	0.3 deg		0.0 deg	0.1 mm	-0.1 mm	0.2 mm			72.4 deg	36.3 mm
37	0.5 deg	-0.3 deg	0.3 deg	0.0 mm	0.1 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.6 deg	0.0 deg	0.2 deg	-0.1 mm	0.0 mm	0.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.0 deg	0.0 deg	0.7 deg	-0.1 mm	-0.1 mm	0.2 mm	0.20	0.20	80.7 deg	25.2 mm
34	-0.7 deg	0.1 deg	0.5 deg	-0.1 mm	-0.1 mm	0.1 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.5 deg	-0.2 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-1.1 deg	-0.4 deg	0.0 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-2.7 deg	-0.6 deg	0.4 deg	0.0 mm	0.0 mm	-0.1 mm	0.20	0.20	68.2 deg	15.4 mm
41	-0.8 deg	0.0 deg	0.2 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	3.8 deg	0.1 deg	0.6 deg	0.0 mm	0.0 mm	-0.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-1.4 deg	0.1 deg	0.4 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-1.4 deg	0.0 deg	2.6 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	1.8 deg	-0.1 deg	0.7 deg	-0.1 mm	-0.2 mm	0.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	1.2 deg			-0.1 mm	-0.1 mm	0.0 mm			81.9 deg	37.6 mm
47	0.0 deg	-1.6 deg	0.2 deg	0.2 mm	0.1 mm	-0.1 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup5**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	2.2 deg	-0.4 deg	0.5 deg	-0.4 mm	0.0 mm	-0.3 mm			83.9 deg	37.1 mm
16	1.5 deg	-0.1 deg	-0.2 deg	-0.5 mm	0.1 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.7 deg	0.0 deg	1.0 deg	-0.5 mm	0.1 mm	0.3 mm	0.20	0.20	73.1 deg	27.0 mm
14	-3.3 deg	0.2 deg	0.2 deg	-0.7 mm	0.1 mm	0.4 mm	0.20	0.20	76.2 deg	26.8 mm
13	-2.1 deg	-1.0 deg	-0.5 deg	-0.2 mm	0.2 mm	0.3 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.1 deg	-0.3 deg	-3.1 deg	-0.3 mm	0.1 mm	0.5 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.5 deg	0.1 deg		0.0 mm	0.0 mm	0.1 mm	0.20	0.20	87.5 deg	23.8 mm
21	-1.5 deg	0.5 deg	-0.1 deg	-0.3 mm	0.0 mm	0.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-3.3 deg	-0.8 deg	-2.1 deg	0.1 mm	0.0 mm	0.5 mm	0.20	0.20	50.2 deg	19.0 mm
23	-3.3 deg	0.1 deg	-0.4 deg	-0.3 mm	0.0 mm	0.6 mm	0.20	0.20	86.2 deg	26.3 mm
24	-5.2 deg	-0.1 deg	-0.4 deg	0.2 mm	-0.2 mm	0.9 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.2 deg	0.0 deg	0.5 deg	0.0 mm	-0.1 mm	0.6 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.8 deg	-0.4 deg	0.8 deg	0.1 mm	-0.2 mm	0.2 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.4 deg		0.0 deg	0.1 mm	-0.1 mm	0.3 mm			72.4 deg	36.3 mm
37	0.6 deg	-0.3 deg	0.4 deg	0.0 mm	0.1 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.8 deg	0.0 deg	0.3 deg	-0.1 mm	0.0 mm	0.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	0.0 deg	0.8 deg	-0.2 mm	-0.1 mm	0.3 mm	0.20	0.20	80.7 deg	25.2 mm
34	-0.9 deg	0.1 deg	0.6 deg	-0.1 mm	-0.1 mm	0.1 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.6 deg	-0.2 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-1.4 deg	-0.5 deg	0.1 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-3.4 deg	-0.7 deg	0.5 deg	-0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	68.2 deg	15.4 mm
41	-1.0 deg	0.0 deg	0.3 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	4.8 deg	0.1 deg	0.7 deg	0.0 mm	-0.1 mm	-0.2 mm	0.20	0.20	70.2 deg	16.9 mm
43	-1.7 deg	0.1 deg	0.5 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-1.7 deg	0.0 deg	3.2 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	2.3 deg	-0.2 deg	0.9 deg	-0.1 mm	-0.3 mm	0.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	1.5 deg			-0.1 mm	-0.2 mm	0.0 mm			81.9 deg	37.6 mm
47	0.0 deg	-2.0 deg	0.2 deg	0.3 mm	0.1 mm	-0.1 mm			73.7 deg	36.8 mm



**Setup: Subsetup6**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	2.7 deg	-0.5 deg	0.6 deg	-0.4 mm	0.0 mm	-0.4 mm			83.9 deg	37.1 mm
16	1.8 deg	-0.1 deg	-0.2 deg	-0.5 mm	0.1 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-0.9 deg	0.0 deg	1.2 deg	-0.6 mm	0.2 mm	0.4 mm	0.20	0.20	73.1 deg	27.0 mm
14	-4.0 deg	0.2 deg	0.3 deg	-0.8 mm	0.2 mm	0.5 mm	0.20	0.20	76.2 deg	26.8 mm
13	-2.5 deg	-1.2 deg	-0.6 deg	-0.2 mm	0.2 mm	0.3 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.1 deg	-0.4 deg	-3.7 deg	-0.3 mm	0.1 mm	0.6 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.5 deg	0.1 deg	0.0 deg	0.0 mm	0.0 mm	0.1 mm	0.20	0.20	87.5 deg	23.8 mm
21	-1.8 deg	0.6 deg	-0.1 deg	-0.3 mm	0.0 mm	0.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-3.9 deg	-0.9 deg	-2.5 deg	0.2 mm	0.0 mm	0.6 mm	0.20	0.20	50.2 deg	19.0 mm
23	-4.0 deg	0.2 deg	-0.5 deg	-0.3 mm	0.0 mm	0.7 mm	0.20	0.20	86.2 deg	26.3 mm
24	-6.3 deg	-0.1 deg	-0.5 deg	0.2 mm	-0.2 mm	1.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.3 deg	0.0 deg	0.6 deg	0.0 mm	-0.1 mm	0.7 mm	0.20	0.20	82.9 deg	26.6 mm
26	0.9 deg	-0.5 deg	1.0 deg	0.1 mm	-0.2 mm	0.3 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.5 deg		0.1 deg	0.1 mm	-0.2 mm	0.3 mm			72.4 deg	36.3 mm
37	0.8 deg	-0.4 deg	0.5 deg	0.0 mm	0.2 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	0.9 deg	0.0 deg	0.4 deg	-0.1 mm	0.1 mm	0.2 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.0 deg	-0.2 mm	-0.1 mm	0.3 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.1 deg	0.1 deg	0.7 deg	-0.2 mm	-0.2 mm	0.1 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.7 deg	-0.2 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-1.7 deg	-0.6 deg	0.1 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-4.1 deg	-0.9 deg	0.6 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	68.2 deg	15.4 mm
41	-1.2 deg	0.0 deg	0.3 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	5.7 deg	0.2 deg	0.9 deg	0.0 mm	-0.1 mm	-0.2 mm	0.20	0.20	70.2 deg	16.9 mm
43	-2.0 deg	0.1 deg	0.6 deg	-0.2 mm	-0.1 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-2.1 deg	0.0 deg	3.9 deg	-0.1 mm	-0.1 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	2.8 deg	-0.2 deg	1.1 deg	-0.2 mm	-0.3 mm	0.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	1.8 deg			-0.1 mm	-0.2 mm	0.1 mm			81.9 deg	37.6 mm
47	0.0 deg	-2.3 deg	0.3 deg	0.3 mm	0.1 mm	-0.2 mm			73.7 deg	36.8 mm

**Setup: Subsetup7**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	3.1 deg	-0.6 deg	0.6 deg	-0.5 mm	0.0 mm	-0.4 mm			83.9 deg	37.1 mm
16	2.1 deg	-0.1 deg	-0.3 deg	-0.6 mm	0.1 mm	0.0 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.0 deg	0.0 deg	1.3 deg	-0.7 mm	0.2 mm	0.5 mm	0.20	0.20	73.1 deg	27.0 mm
14	-4.7 deg	0.2 deg	0.3 deg	-1.0 mm	0.2 mm	0.6 mm	0.20	0.20	76.2 deg	26.8 mm
13	-2.9 deg	-1.4 deg	-0.7 deg	-0.3 mm	0.2 mm	0.4 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.2 deg	-0.5 deg	-4.4 deg	-0.4 mm	0.1 mm	0.7 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.6 deg	0.1 deg	0.0 deg	0.0 mm	0.0 mm	0.2 mm	0.20	0.20	87.5 deg	23.8 mm
21	-2.1 deg	0.8 deg	-0.2 deg	-0.4 mm	-0.1 mm	0.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-4.6 deg	-1.1 deg	-2.9 deg	0.2 mm	-0.1 mm	0.7 mm	0.20	0.20	50.2 deg	19.0 mm
23	-4.6 deg	0.2 deg	-0.6 deg	-0.4 mm	0.0 mm	0.8 mm	0.20	0.20	86.2 deg	26.3 mm
24	-7.3 deg	-0.1 deg	-0.5 deg	0.3 mm	-0.2 mm	1.2 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.3 deg	0.0 deg	0.8 deg	0.0 mm	-0.1 mm	0.8 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.1 deg	-0.5 deg	1.2 deg	0.1 mm	-0.2 mm	0.3 mm	0.30	0.30	83.4 deg	38.9 mm

27	0.6 deg	0.0 deg	0.1 deg	0.1 mm	-0.2 mm	0.4 mm			72.4 deg	36.3 mm
37	0.9 deg	-0.5 deg	0.6 deg	0.0 mm	0.2 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.1 deg	0.0 deg	0.4 deg	-0.2 mm	0.1 mm	0.2 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.1 deg	-0.2 mm	-0.1 mm	0.4 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.2 deg	0.1 deg	0.9 deg	-0.2 mm	-0.2 mm	0.2 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.8 deg	-0.3 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-2.0 deg	-0.7 deg	0.1 deg	-0.1 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-4.7 deg	-1.0 deg	0.7 deg	-0.1 mm	-0.1 mm	-0.2 mm	0.20	0.20	68.2 deg	15.4 mm
41	-1.5 deg	0.0 deg	0.4 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	6.7 deg	0.2 deg	1.0 deg	0.0 mm	-0.1 mm	-0.3 mm	0.20	0.20	70.2 deg	16.9 mm
43	-2.4 deg	0.1 deg	0.7 deg	-0.2 mm	-0.1 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-2.4 deg	0.0 deg	4.5 deg	-0.2 mm	-0.2 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	3.2 deg	-0.2 deg	1.2 deg	-0.2 mm	-0.4 mm	0.3 mm	0.20	0.20	83.2 deg	25.3 mm
46	2.1 deg			-0.1 mm	-0.3 mm	0.1 mm			81.9 deg	37.6 mm
47	0.0 deg	-2.7 deg	0.3 deg	0.4 mm	0.2 mm	-0.2 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup8**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	3.6 deg	-0.7 deg	0.7 deg	-0.6 mm	0.1 mm	-0.5 mm			83.9 deg	37.1 mm
16	2.4 deg	-0.1 deg	-0.3 deg	-0.7 mm	0.1 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.2 deg	0.0 deg	1.5 deg	-0.8 mm	0.2 mm	0.5 mm	0.20	0.20	73.1 deg	27.0 mm
14	-5.3 deg	0.3 deg	0.4 deg	-1.1 mm	0.2 mm	0.7 mm	0.20	0.20	76.2 deg	26.8 mm
13	-3.3 deg	-1.6 deg	-0.8 deg	-0.3 mm	0.3 mm	0.4 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.2 deg	-0.5 deg	-5.0 deg	-0.4 mm	0.1 mm	0.8 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.7 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	87.5 deg	23.8 mm
21	-2.4 deg	0.9 deg	-0.2 deg	-0.4 mm	-0.1 mm	0.3 mm	0.20	0.20	82.4 deg	23.9 mm
22	-5.2 deg	-1.3 deg	-3.3 deg	0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	50.2 deg	19.0 mm
23	-5.3 deg	0.2 deg	-0.7 deg	-0.4 mm	0.0 mm	0.9 mm	0.20	0.20	86.2 deg	26.3 mm
24	-8.4 deg	-0.1 deg	-0.6 deg	0.3 mm	-0.3 mm	1.4 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.4 deg	0.0 deg	0.9 deg	0.0 mm	-0.1 mm	0.9 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.2 deg	-0.6 deg	1.3 deg	0.2 mm	-0.3 mm	0.4 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.7 deg	0.0 deg	0.1 deg	0.1 mm	-0.2 mm	0.5 mm			72.4 deg	36.3 mm
37	1.0 deg	-0.5 deg	0.6 deg	0.0 mm	0.2 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.2 deg	0.0 deg	0.5 deg	-0.2 mm	0.1 mm	0.2 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.3 deg	-0.3 mm	-0.1 mm	0.4 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.4 deg	0.1 deg	1.0 deg	-0.2 mm	-0.2 mm	0.2 mm	0.20	0.20	82.2 deg	23.5 mm
33			0.9 deg	-0.3 mm	-0.1 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-2.3 deg	-0.8 deg	0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-5.4 deg	-1.2 deg	0.8 deg	-0.1 mm	-0.1 mm	-0.2 mm	0.20	0.20	68.2 deg	15.4 mm
41	-1.7 deg	0.0 deg	0.4 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	7.6 deg	0.2 deg	1.2 deg	0.0 mm	-0.1 mm	-0.3 mm	0.20	0.20	70.2 deg	16.9 mm
43	-2.7 deg	0.1 deg	0.8 deg	-0.2 mm	-0.1 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-2.7 deg	0.0 deg	5.2 deg	-0.2 mm	-0.2 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	3.7 deg	-0.3 deg	1.4 deg	-0.2 mm	-0.4 mm	0.3 mm	0.20	0.20	83.2 deg	25.3 mm
46	2.4 deg			-0.2 mm	-0.3 mm	0.1 mm			81.9 deg	37.6 mm
47	0.0 deg	-3.1 deg	0.4 deg	0.4 mm	0.2 mm	-0.2 mm			73.7 deg	36.8 mm

**Setup: Subsetup9**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	4.0 deg	-0.8 deg	0.8 deg	-0.7 mm	0.1 mm	-0.6 mm			83.9 deg	37.1 mm
16	2.7 deg	-0.1 deg	-0.3 deg	-0.8 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.3 deg	0.0 deg	1.7 deg	-0.9 mm	0.2 mm	0.6 mm	0.20	0.20	73.1 deg	27.0 mm
14	-6.0 deg	0.3 deg	0.4 deg	-1.2 mm	0.2 mm	0.8 mm	0.20	0.20	76.2 deg	26.8 mm
13	-3.7 deg	-1.7 deg	-0.9 deg	-0.4 mm	0.3 mm	0.5 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.2 deg	-0.6 deg	-5.6 deg	-0.5 mm	0.1 mm	1.0 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.8 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	87.5 deg	23.8 mm
21	-2.6 deg	1.0 deg	-0.2 deg	-0.5 mm	-0.1 mm	0.3 mm	0.20	0.20	82.4 deg	23.9 mm
22	-5.9 deg	-1.5 deg	-3.7 deg	0.3 mm	-0.1 mm	0.9 mm	0.20	0.20	50.2 deg	19.0 mm
23	-6.0 deg	0.2 deg	-0.8 deg	-0.5 mm	0.0 mm	1.1 mm	0.20	0.20	86.2 deg	26.3 mm
24	-9.4 deg	-0.1 deg	-0.7 deg	0.4 mm	-0.3 mm	1.6 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.4 deg	0.0 deg	1.0 deg	0.0 mm	-0.2 mm	1.1 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.4 deg	-0.7 deg	1.5 deg	0.2 mm	-0.3 mm	0.4 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.8 deg	0.0 deg	0.1 deg	0.2 mm	-0.3 mm	0.5 mm			72.4 deg	36.3 mm
37	1.2 deg	-0.6 deg	0.7 deg	0.0 mm	0.2 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.4 deg	0.0 deg	0.5 deg	-0.2 mm	0.1 mm	0.3 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.5 deg	-0.3 mm	-0.1 mm	0.5 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.6 deg	0.2 deg	1.1 deg	-0.3 mm	-0.3 mm	0.2 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.0 deg	-0.4 mm	-0.2 mm	0.0 mm	0.20	0.20	86.2 deg	22.6 mm
32	-2.6 deg	-0.9 deg	0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-6.1 deg	-1.3 deg	0.9 deg	-0.1 mm	-0.1 mm	-0.2 mm	0.20	0.20	68.2 deg	15.4 mm
41	-1.9 deg	0.0 deg	0.5 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	8.6 deg	0.2 deg	1.4 deg	0.0 mm	-0.1 mm	-0.3 mm	0.20	0.20	70.2 deg	16.9 mm
43	-3.1 deg	0.1 deg	0.9 deg	-0.2 mm	-0.2 mm	-0.1 mm	0.20	0.20	73.6 deg	21.4 mm
44	-3.1 deg		5.8 deg	-0.2 mm	-0.2 mm	-0.1 mm	0.20	0.20	74.5 deg	23.6 mm
45	4.1 deg	-0.3 deg	1.6 deg	-0.2 mm	-0.5 mm	0.4 mm	0.20	0.20	83.2 deg	25.3 mm
46	2.7 deg			-0.2 mm	-0.3 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-3.5 deg	0.4 deg	0.5 mm	0.2 mm	-0.2 mm			73.7 deg	36.8 mm

**Setup: Subsetup10**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	4.5 deg	-0.9 deg	0.9 deg	-0.7 mm	0.1 mm	-0.6 mm			83.9 deg	37.1 mm
16	3.0 deg	-0.1 deg	-0.4 deg	-0.9 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.5 deg	0.0 deg	1.9 deg	-1.0 mm	0.3 mm	0.7 mm	0.20	0.20	73.1 deg	27.0 mm
14	-6.7 deg	0.4 deg	0.4 deg	-1.4 mm	0.3 mm	0.8 mm	0.20	0.20	76.2 deg	26.8 mm
13	-4.2 deg	-1.9 deg	-1.0 deg	-0.4 mm	0.3 mm	0.5 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.2 deg	-0.6 deg	-6.2 deg	-0.5 mm	0.1 mm	1.1 mm	0.20	0.20	49.5 deg	19.3 mm
11	-0.9 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.2 mm	0.20	0.20	87.5 deg	23.8 mm
21	-2.9 deg	1.1 deg	-0.2 deg	-0.5 mm	-0.1 mm	0.3 mm	0.20	0.20	82.4 deg	23.9 mm
22	-6.5 deg	-1.7 deg	-4.2 deg	0.3 mm	-0.1 mm	1.0 mm	0.20	0.20	50.2 deg	19.0 mm
23	-6.6 deg	0.2 deg	-0.9 deg	-0.5 mm	0.0 mm	1.2 mm	0.20	0.20	86.2 deg	26.3 mm
24	-10.5 deg	-0.1 deg	-0.8 deg	0.4 mm	-0.3 mm	1.8 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.5 deg	0.0 deg	1.1 deg	0.0 mm	-0.2 mm	1.2 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.5 deg	-0.8 deg	1.7 deg	0.2 mm	-0.3 mm	0.5 mm	0.30	0.30	83.4 deg	38.9 mm

27	0.8 deg	0.0 deg	0.1 deg	0.2 mm	-0.3 mm	0.6 mm			72.4 deg	36.3 mm
37	1.3 deg	-0.7 deg	0.8 deg	0.0 mm	0.3 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.6 deg	0.0 deg	0.6 deg	-0.2 mm	0.1 mm	0.3 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.6 deg	-0.3 mm	-0.2 mm	0.5 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.8 deg	0.2 deg	1.2 deg	-0.3 mm	-0.3 mm	0.2 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.2 deg	-0.4 mm	-0.2 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-2.9 deg	-1.0 deg	0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-6.8 deg	-1.5 deg	1.0 deg	-0.1 mm	-0.1 mm	-0.2 mm	0.20	0.20	68.2 deg	15.4 mm
41	-2.1 deg	0.0 deg	0.5 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	9.6 deg	0.2 deg	1.5 deg	0.1 mm	-0.1 mm	-0.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-3.4 deg	0.2 deg	1.0 deg	-0.3 mm	-0.2 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-3.4 deg	0.0 deg	6.5 deg	-0.2 mm	-0.2 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	4.6 deg	-0.4 deg	1.7 deg	-0.3 mm	-0.5 mm	0.4 mm	0.20	0.20	83.2 deg	25.3 mm
46	3.0 deg			-0.2 mm	-0.4 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-3.9 deg	0.5 deg	0.5 mm	0.2 mm	-0.3 mm			73.7 deg	36.8 mm

**Setup: Subsetup11**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	4.9 deg	-1.0 deg	1.0 deg	-0.8 mm	0.1 mm	-0.7 mm			83.9 deg	37.1 mm
16	3.3 deg	-0.1 deg	-0.4 deg	-1.0 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.6 deg	0.1 deg	2.1 deg	-1.1 mm	0.3 mm	0.7 mm	0.20	0.20	73.1 deg	27.0 mm
14	-7.3 deg	0.4 deg	0.5 deg	-1.5 mm	0.3 mm	0.9 mm	0.20	0.20	76.2 deg	26.8 mm
13	-4.6 deg	-2.1 deg	-1.0 deg	-0.4 mm	0.4 mm	0.6 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.2 deg	-0.7 deg	-6.9 deg	-0.6 mm	0.1 mm	1.2 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.0 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.3 mm	0.20	0.20	87.5 deg	23.8 mm
21	-3.2 deg	1.2 deg	-0.3 deg	-0.6 mm	-0.1 mm	0.4 mm	0.20	0.20	82.4 deg	23.9 mm
22	-7.2 deg	-1.9 deg	-4.6 deg	0.3 mm	-0.1 mm	1.1 mm	0.20	0.20	50.2 deg	19.0 mm
23	-7.3 deg	0.3 deg	-1.0 deg	-0.6 mm	0.0 mm	1.3 mm	0.20	0.20	86.2 deg	26.3 mm
24	-11.5 deg	-0.2 deg	-0.8 deg	0.5 mm	-0.4 mm	1.9 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.5 deg	0.1 deg	1.2 deg	0.0 mm	-0.2 mm	1.3 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.7 deg	-0.9 deg	1.8 deg	0.2 mm	-0.4 mm	0.5 mm	0.30	0.30	83.4 deg	38.9 mm
27	0.9 deg	0.0 deg	0.1 deg	0.2 mm	-0.3 mm	0.6 mm			72.4 deg	36.3 mm
37	1.4 deg	-0.8 deg	0.9 deg	0.0 mm	0.3 mm	0.1 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.7 deg	0.0 deg	0.7 deg	-0.2 mm	0.1 mm	0.3 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	1.8 deg	-0.4 mm	-0.2 mm	0.6 mm	0.20	0.20	80.7 deg	25.2 mm
34	-1.9 deg	0.2 deg	1.4 deg	-0.3 mm	-0.3 mm	0.3 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.3 deg	-0.4 mm	-0.2 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-3.2 deg	-1.0 deg	0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-7.5 deg	-1.6 deg	1.1 deg	-0.1 mm	-0.1 mm	-0.3 mm	0.20	0.20	68.2 deg	15.4 mm
41	-2.3 deg	0.0 deg	0.6 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	10.5 deg	0.2 deg	1.7 deg	0.1 mm	-0.1 mm	-0.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-3.7 deg	0.2 deg	1.0 deg	-0.3 mm	-0.2 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-3.8 deg	0.0 deg	7.1 deg	-0.2 mm	-0.3 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	5.1 deg	-0.4 deg	1.9 deg	-0.3 mm	-0.6 mm	0.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	3.3 deg			-0.2 mm	-0.4 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-4.3 deg	0.5 deg	0.6 mm	0.2 mm	-0.3 mm			73.7 deg	36.8 mm

**Setup: Subsetup12**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	5.3 deg	-1.1 deg	1.1 deg	-0.9 mm	0.1 mm	-0.8 mm			83.9 deg	37.1 mm
16	3.6 deg	-0.1 deg	-0.5 deg	-1.1 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.8 deg	0.1 deg	2.3 deg	-1.2 mm	0.3 mm	0.8 mm	0.20	0.20	73.1 deg	27.0 mm
14	-8.0 deg	0.4 deg	0.5 deg	-1.7 mm	0.3 mm	1.0 mm	0.20	0.20	76.2 deg	26.8 mm
13	-5.0 deg	-2.3 deg	-1.1 deg	-0.5 mm	0.4 mm	0.6 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.3 deg	-0.8 deg	-7.5 deg	-0.6 mm	0.1 mm	1.3 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.1 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.3 mm	0.20	0.20	87.5 deg	23.8 mm
21	-3.5 deg	1.3 deg	-0.3 deg	-0.6 mm	-0.1 mm	0.4 mm	0.20	0.20	82.4 deg	23.9 mm
22	-7.9 deg	-2.1 deg	-5.0 deg	0.4 mm	-0.1 mm	1.2 mm	0.20	0.20	50.2 deg	19.0 mm
23	-8.0 deg	0.3 deg	-1.0 deg	-0.6 mm	0.0 mm	1.4 mm	0.20	0.20	86.2 deg	26.3 mm
24	-12.6 deg	-0.2 deg	-0.9 deg	0.5 mm	-0.4 mm	2.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.6 deg	0.1 deg	1.3 deg	0.0 mm	-0.2 mm	1.4 mm	0.20	0.20	82.9 deg	26.6 mm
26	1.8 deg	-0.9 deg	2.0 deg	0.2 mm	-0.4 mm	0.6 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.0 deg	0.0 deg	0.1 deg	0.2 mm	-0.3 mm	0.7 mm			72.4 deg	36.3 mm
37	1.5 deg	-0.8 deg	1.0 deg	0.0 mm	0.3 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	1.9 deg	-0.1 deg	0.7 deg	-0.3 mm	0.1 mm	0.4 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	2.0 deg	-0.4 mm	-0.2 mm	0.7 mm	0.20	0.20	80.7 deg	25.2 mm
34	-2.1 deg	0.2 deg	1.5 deg	-0.3 mm	-0.4 mm	0.3 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.4 deg	-0.5 mm	-0.2 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-3.4 deg	-1.1 deg	0.1 deg	-0.2 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-8.2 deg	-1.7 deg	1.3 deg	-0.1 mm	-0.1 mm	-0.3 mm	0.20	0.20	68.2 deg	15.4 mm
41	-2.5 deg	0.1 deg	0.6 deg	0.0 mm	0.0 mm	0.0 mm	0.20	0.20	72.0 deg	16.0 mm
42	11.5 deg	0.2 deg	1.8 deg	0.1 mm	-0.1 mm	-0.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-4.1 deg	0.2 deg	1.1 deg	-0.3 mm	-0.2 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-4.1 deg	0.1 deg	7.8 deg	-0.3 mm	-0.3 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	5.5 deg	-0.4 deg	2.1 deg	-0.3 mm	-0.6 mm	0.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	3.6 deg			-0.2 mm	-0.4 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-4.7 deg	0.6 deg	0.6 mm	0.3 mm	-0.3 mm			73.7 deg	36.8 mm

**Setup: Subsetup13**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	5.8 deg	-1.2 deg	1.2 deg	-1.0 mm	0.1 mm	-0.8 mm			83.9 deg	37.1 mm
16	3.9 deg	-0.1 deg	-0.5 deg	-1.2 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-1.9 deg	0.1 deg	2.5 deg	-1.3 mm	0.4 mm	0.8 mm	0.20	0.20	73.1 deg	27.0 mm
14	-8.7 deg	0.5 deg	0.6 deg	-1.8 mm	0.3 mm	1.1 mm	0.20	0.20	76.2 deg	26.8 mm
13	-5.4 deg	-2.5 deg	-1.2 deg	-0.5 mm	0.4 mm	0.7 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.3 deg	-0.8 deg	-8.1 deg	-0.7 mm	0.1 mm	1.4 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.2 deg	0.1 deg	0.0 deg	-0.1 mm	0.0 mm	0.3 mm	0.20	0.20	87.5 deg	23.8 mm
21	-3.8 deg	1.4 deg	-0.3 deg	-0.7 mm	-0.1 mm	0.4 mm	0.20	0.20	82.4 deg	23.9 mm
22	-8.5 deg	-2.3 deg	-5.4 deg	0.4 mm	-0.1 mm	1.3 mm	0.20	0.20	50.2 deg	19.0 mm
23	-8.6 deg	0.3 deg	-1.1 deg	-0.6 mm	0.1 mm	1.5 mm	0.20	0.20	86.2 deg	26.3 mm
24	-13.6 deg	-0.2 deg	-1.0 deg	0.6 mm	-0.5 mm	2.3 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.6 deg	0.1 deg	1.4 deg	0.0 mm	-0.2 mm	1.5 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.0 deg	-1.0 deg	2.1 deg	0.3 mm	-0.4 mm	0.6 mm	0.30	0.30	83.4 deg	38.9 mm

27	1.1 deg	0.0 deg	0.1 deg	0.2 mm	-0.4 mm	0.7 mm			72.4 deg	36.3 mm
37	1.7 deg	-0.9 deg	1.0 deg	0.0 mm	0.3 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.0 deg	-0.1 deg	0.8 deg	-0.3 mm	0.1 mm	0.4 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.1 deg	-0.1 deg	2.1 deg	-0.4 mm	-0.2 mm	0.7 mm	0.20	0.20	80.7 deg	25.2 mm
34	-2.3 deg	0.2 deg	1.6 deg	-0.4 mm	-0.4 mm	0.3 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.5 deg	-0.5 mm	-0.2 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-3.7 deg	-1.2 deg	0.2 deg	-0.3 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-8.8 deg	-1.9 deg	1.4 deg	-0.1 mm	-0.1 mm	-0.3 mm	0.20	0.20	68.2 deg	15.4 mm
41	-2.7 deg	0.1 deg	0.7 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	12.4 deg	0.2 deg	2.0 deg	0.1 mm	-0.1 mm	-0.5 mm	0.20	0.20	70.2 deg	16.9 mm
43	-4.4 deg	0.2 deg	1.2 deg	-0.3 mm	-0.2 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-4.5 deg	0.1 deg	8.4 deg	-0.3 mm	-0.3 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	6.0 deg	-0.5 deg	2.3 deg	-0.3 mm	-0.7 mm	0.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	3.9 deg			-0.2 mm	-0.5 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-5.1 deg	0.6 deg	0.7 mm	0.3 mm	-0.4 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup14**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	6.2 deg	-1.3 deg	1.2 deg	-1.0 mm	0.1 mm	-0.9 mm			83.9 deg	37.1 mm
16	4.2 deg	-0.1 deg	-0.5 deg	-1.3 mm	0.2 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.1 deg	0.1 deg	2.7 deg	-1.3 mm	0.4 mm	0.9 mm	0.20	0.20	73.1 deg	27.0 mm
14	-9.3 deg	0.5 deg	0.6 deg	-1.9 mm	0.4 mm	1.2 mm	0.20	0.20	76.2 deg	26.8 mm
13	-5.8 deg	-2.7 deg	-1.3 deg	-0.5 mm	0.5 mm	0.7 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.3 deg	-0.9 deg	-8.7 deg	-0.7 mm	0.1 mm	1.5 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.3 deg	0.2 deg	0.0 deg	-0.1 mm	0.0 mm	0.3 mm	0.20	0.20	87.5 deg	23.8 mm
21	-4.1 deg	1.5 deg	-0.3 deg	-0.7 mm	-0.1 mm	0.5 mm	0.20	0.20	82.4 deg	23.9 mm
22	-9.2 deg	-2.5 deg	-5.8 deg	0.4 mm	-0.1 mm	1.4 mm	0.20	0.20	50.2 deg	19.0 mm
23	-9.3 deg	0.3 deg	-1.2 deg	-0.7 mm	0.1 mm	1.6 mm	0.20	0.20	86.2 deg	26.3 mm
24	-14.7 deg	-0.2 deg	-1.1 deg	0.6 mm	-0.5 mm	2.5 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.7 deg	0.1 deg	1.5 deg	0.0 mm	-0.2 mm	1.6 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.1 deg	-1.1 deg	2.3 deg	0.3 mm	-0.5 mm	0.7 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.2 deg	0.0 deg	0.1 deg	0.3 mm	-0.4 mm	0.8 mm			72.4 deg	36.3 mm
37	1.8 deg	-1.0 deg	1.1 deg	0.0 mm	0.4 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.2 deg	-0.1 deg	0.8 deg	-0.3 mm	0.1 mm	0.4 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.1 deg	2.3 deg	-0.5 mm	-0.2 mm	0.8 mm	0.20	0.20	80.7 deg	25.2 mm
34	-2.5 deg	0.3 deg	1.7 deg	-0.4 mm	-0.4 mm	0.3 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.6 deg	-0.6 mm	-0.2 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-4.0 deg	-1.3 deg	0.2 deg	-0.3 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-9.5 deg	-2.0 deg	1.5 deg	-0.1 mm	-0.1 mm	-0.3 mm	0.20	0.20	68.2 deg	15.4 mm
41	-2.9 deg	0.1 deg	0.7 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	13.4 deg	0.2 deg	2.1 deg	0.1 mm	-0.2 mm	-0.5 mm	0.20	0.20	70.2 deg	16.9 mm
43	-4.8 deg	0.2 deg	1.3 deg	-0.4 mm	-0.2 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-4.8 deg	0.1 deg	9.1 deg	-0.3 mm	-0.3 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	6.4 deg	-0.5 deg	2.4 deg	-0.4 mm	-0.7 mm	0.6 mm	0.20	0.20	83.2 deg	25.3 mm
46	4.2 deg			-0.3 mm	-0.5 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-5.5 deg	0.7 deg	0.7 mm	0.3 mm	-0.4 mm			73.7 deg	36.8 mm



**Setup: Subsetup15**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	6.7 deg	-1.4 deg	1.3 deg	-1.1 mm	0.1 mm	-1.0 mm			83.9 deg	37.1 mm
16	4.5 deg	-0.1 deg	-0.6 deg	-1.3 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.2 deg	0.1 deg	2.9 deg	-1.4 mm	0.4 mm	1.0 mm	0.20	0.20	73.1 deg	27.0 mm
14	-10.0 deg	0.6 deg	0.7 deg	-2.1 mm	0.4 mm	1.3 mm	0.20	0.20	76.2 deg	26.8 mm
13	-6.2 deg	-2.9 deg	-1.4 deg	-0.6 mm	0.5 mm	0.8 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.3 deg	-1.0 deg	-9.4 deg	-0.8 mm	0.1 mm	1.6 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.4 deg	0.2 deg	0.0 deg	-0.1 mm	0.0 mm	0.4 mm	0.20	0.20	87.5 deg	23.8 mm
21	-4.4 deg	1.6 deg	-0.4 deg	-0.8 mm	-0.1 mm	0.5 mm	0.20	0.20	82.4 deg	23.9 mm
22	-9.9 deg	-2.7 deg	-6.2 deg	0.5 mm	-0.2 mm	1.5 mm	0.20	0.20	50.2 deg	19.0 mm
23	-10.0 deg	0.3 deg	-1.3 deg	-0.7 mm	0.1 mm	1.8 mm	0.20	0.20	86.2 deg	26.3 mm
24	-15.7 deg	-0.3 deg	-1.1 deg	0.7 mm	-0.5 mm	2.6 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.7 deg	0.1 deg	1.6 deg	0.0 mm	-0.3 mm	1.8 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.3 deg	-1.2 deg	2.5 deg	0.3 mm	-0.5 mm	0.7 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.3 deg	0.0 deg	0.1 deg	0.3 mm	-0.4 mm	0.9 mm			72.4 deg	36.3 mm
37	1.9 deg	-1.0 deg	1.2 deg	0.0 mm	0.4 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.3 deg	-0.1 deg	0.9 deg	-0.3 mm	0.1 mm	0.4 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.1 deg	2.5 deg	-0.5 mm	-0.2 mm	0.8 mm	0.20	0.20	80.7 deg	25.2 mm
34	-2.6 deg	0.3 deg	1.9 deg	-0.4 mm	-0.4 mm	0.4 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.7 deg	-0.6 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-4.3 deg	-1.4 deg	0.2 deg	-0.3 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-10.2 deg	-2.1 deg	1.6 deg	-0.2 mm	-0.1 mm	-0.4 mm	0.20	0.20	68.2 deg	15.4 mm
41	-3.1 deg	0.1 deg	0.8 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	14.3 deg	0.2 deg	2.3 deg	0.1 mm	-0.2 mm	-0.5 mm	0.20	0.20	70.2 deg	16.9 mm
43	-5.1 deg	0.3 deg	1.4 deg	-0.4 mm	-0.3 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-5.2 deg	0.2 deg	9.7 deg	-0.3 mm	-0.3 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	6.9 deg	-0.6 deg	2.6 deg	-0.4 mm	-0.8 mm	0.6 mm	0.20	0.20	83.2 deg	25.3 mm
46	4.5 deg			-0.3 mm	-0.6 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-5.9 deg	0.7 deg	0.8 mm	0.3 mm	-0.4 mm			73.7 deg	36.8 mm

**Setup: Subsetup16**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	7.1 deg	-1.5 deg	1.4 deg	-1.2 mm	0.1 mm	-1.0 mm			83.9 deg	37.1 mm
16	4.7 deg	-0.2 deg	-0.6 deg	-1.4 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.3 deg	0.1 deg	3.1 deg	-1.5 mm	0.4 mm	1.0 mm	0.20	0.20	73.1 deg	27.0 mm
14	-10.7 deg	0.6 deg	0.7 deg	-2.2 mm	0.4 mm	1.4 mm	0.20	0.20	76.2 deg	26.8 mm
13	-6.7 deg	-3.1 deg	-1.5 deg	-0.6 mm	0.5 mm	0.8 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.4 deg	-1.0 deg	-10.0 deg	-0.8 mm	0.1 mm	1.7 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.5 deg	0.2 deg	0.0 deg	-0.1 mm	-0.1 mm	0.4 mm	0.20	0.20	87.5 deg	23.8 mm
21	-4.7 deg	1.7 deg	-0.4 deg	-0.8 mm	-0.1 mm	0.5 mm	0.20	0.20	82.4 deg	23.9 mm
22	-10.5 deg	-2.9 deg	-6.6 deg	0.5 mm	-0.2 mm	1.6 mm	0.20	0.20	50.2 deg	19.0 mm
23	-10.6 deg	0.3 deg	-1.4 deg	-0.8 mm	0.1 mm	1.9 mm	0.20	0.20	86.2 deg	26.3 mm
24	-16.8 deg	-0.3 deg	-1.2 deg	0.7 mm	-0.6 mm	2.8 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.8 deg	0.1 deg	1.7 deg	-0.1 mm	-0.3 mm	1.9 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.5 deg	-1.3 deg	2.6 deg	0.3 mm	-0.5 mm	0.8 mm	0.30	0.30	83.4 deg	38.9 mm



27	1.4 deg	0.0 deg	0.1 deg	0.3 mm	-0.4 mm	0.9 mm			72.4 deg	36.3 mm
37	2.1 deg	-1.1 deg	1.3 deg	0.1 mm	0.4 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.5 deg	-0.1 deg	1.0 deg	-0.3 mm	0.2 mm	0.5 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.1 deg	2.6 deg	-0.5 mm	-0.3 mm	0.9 mm	0.20	0.20	80.7 deg	25.2 mm
34	-2.8 deg	0.3 deg	2.0 deg	-0.4 mm	-0.5 mm	0.4 mm	0.20	0.20	82.2 deg	23.5 mm
33			1.8 deg	-0.6 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-4.6 deg	-1.5 deg	0.2 deg	-0.3 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-10.9 deg	-2.3 deg	1.7 deg	-0.2 mm	-0.1 mm	-0.4 mm	0.20	0.20	68.2 deg	15.4 mm
41	-3.3 deg	0.1 deg	0.8 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	15.3 deg	0.2 deg	2.4 deg	0.1 mm	-0.2 mm	-0.6 mm	0.20	0.20	70.2 deg	16.9 mm
43	-5.4 deg	0.3 deg	1.5 deg	-0.4 mm	-0.3 mm	-0.2 mm	0.20	0.20	73.6 deg	21.4 mm
44	-5.5 deg	0.2 deg	10.4 deg	-0.4 mm	-0.4 mm	-0.2 mm	0.20	0.20	74.5 deg	23.6 mm
45	7.4 deg	-0.6 deg	2.8 deg	-0.4 mm	-0.8 mm	0.7 mm	0.20	0.20	83.2 deg	25.3 mm
46	4.8 deg			-0.3 mm	-0.6 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-6.3 deg	0.8 deg	0.8 mm	0.4 mm	-0.4 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup17**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	7.6 deg	-1.6 deg	1.5 deg	-1.2 mm	0.1 mm	-1.1 mm			83.9 deg	37.1 mm
16	5.0 deg	-0.2 deg	-0.7 deg	-1.5 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.5 deg	0.1 deg	3.3 deg	-1.6 mm	0.5 mm	1.1 mm	0.20	0.20	73.1 deg	27.0 mm
14	-11.3 deg	0.6 deg	0.7 deg	-2.3 mm	0.4 mm	1.5 mm	0.20	0.20	76.2 deg	26.8 mm
13	-7.1 deg	-3.4 deg	-1.5 deg	-0.6 mm	0.6 mm	0.9 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.4 deg	-1.1 deg	-10.6 deg	-0.9 mm	0.1 mm	1.8 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.5 deg	0.2 deg	0.0 deg	-0.1 mm	-0.1 mm	0.4 mm	0.20	0.20	87.5 deg	23.8 mm
21	-5.0 deg	1.8 deg	-0.4 deg	-0.9 mm	-0.1 mm	0.6 mm	0.20	0.20	82.4 deg	23.9 mm
22	-11.2 deg	-3.1 deg	-7.0 deg	0.6 mm	-0.2 mm	1.7 mm	0.20	0.20	50.2 deg	19.0 mm
23	-11.3 deg	0.3 deg	-1.5 deg	-0.8 mm	0.1 mm	2.0 mm	0.20	0.20	86.2 deg	26.3 mm
24	-17.8 deg	-0.3 deg	-1.3 deg	0.8 mm	-0.6 mm	3.0 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.8 deg	0.1 deg	1.8 deg	-0.1 mm	-0.3 mm	2.0 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.6 deg	-1.4 deg	2.8 deg	0.3 mm	-0.6 mm	0.8 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.4 deg	0.0 deg	0.2 deg	0.3 mm	-0.5 mm	1.0 mm			72.4 deg	36.3 mm
37	2.2 deg	-1.2 deg	1.3 deg	0.1 mm	0.4 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.6 deg	-0.1 deg	1.0 deg	-0.4 mm	0.2 mm	0.5 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	2.8 deg	-0.6 mm	-0.3 mm	0.9 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.0 deg	0.3 deg	2.1 deg	-0.5 mm	-0.5 mm	0.4 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.0 deg	-0.7 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-4.9 deg	-1.6 deg	0.2 deg	-0.3 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-11.6 deg	-2.4 deg	1.9 deg	-0.2 mm	-0.2 mm	-0.4 mm	0.20	0.20	68.2 deg	15.4 mm
41	-3.5 deg	0.1 deg	0.9 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	16.3 deg	0.2 deg	2.6 deg	0.1 mm	-0.2 mm	-0.6 mm	0.20	0.20	70.2 deg	16.9 mm
43	-5.8 deg	0.3 deg	1.6 deg	-0.4 mm	-0.3 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-5.9 deg	0.3 deg	11.0 deg	-0.4 mm	-0.4 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	7.8 deg	-0.7 deg	3.0 deg	-0.4 mm	-0.9 mm	0.7 mm	0.20	0.20	83.2 deg	25.3 mm
46	5.1 deg			-0.3 mm	-0.6 mm	0.1 mm			81.9 deg	37.6 mm
47	-0.1 deg	-6.7 deg	0.8 deg	0.9 mm	0.4 mm	-0.5 mm			73.7 deg	36.8 mm

**Setup: Subsetup18**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	8.0 deg	-1.7 deg	1.6 deg	-1.3 mm	0.1 mm	-1.1 mm			83.9 deg	37.1 mm
16	5.3 deg	-0.2 deg	-0.7 deg	-1.6 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.6 deg	0.1 deg	3.5 deg	-1.7 mm	0.5 mm	1.2 mm	0.20	0.20	73.1 deg	27.0 mm
14	-12.0 deg	0.7 deg	0.8 deg	-2.5 mm	0.5 mm	1.5 mm	0.20	0.20	76.2 deg	26.8 mm
13	-7.5 deg	-3.6 deg	-1.6 deg	-0.7 mm	0.6 mm	0.9 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.4 deg	-1.2 deg	-11.2 deg	-0.9 mm	0.1 mm	1.9 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.6 deg	0.2 deg	0.0 deg	-0.1 mm	-0.1 mm	0.4 mm	0.20	0.20	87.5 deg	23.8 mm
21	-5.3 deg	1.9 deg	-0.5 deg	-0.9 mm	-0.2 mm	0.6 mm	0.20	0.20	82.4 deg	23.9 mm
22	-11.8 deg	-3.3 deg	-7.4 deg	0.6 mm	-0.2 mm	1.8 mm	0.20	0.20	50.2 deg	19.0 mm
23	-12.0 deg	0.4 deg	-1.6 deg	-0.9 mm	0.1 mm	2.1 mm	0.20	0.20	86.2 deg	26.3 mm
24	-18.9 deg	-0.4 deg	-1.3 deg	0.9 mm	-0.6 mm	3.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.8 deg	0.1 deg	1.9 deg	-0.1 mm	-0.3 mm	2.1 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.8 deg	-1.4 deg	3.0 deg	0.4 mm	-0.6 mm	0.9 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.5 deg	0.0 deg	0.2 deg	0.3 mm	-0.5 mm	1.0 mm			72.4 deg	36.3 mm
37	2.3 deg	-1.3 deg	1.4 deg	0.1 mm	0.5 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.8 deg	-0.1 deg	1.1 deg	-0.4 mm	0.2 mm	0.5 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	2.9 deg	-0.6 mm	-0.3 mm	1.0 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.2 deg	0.3 deg	2.2 deg	-0.5 mm	-0.5 mm	0.4 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.1 deg	-0.7 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-5.2 deg	-1.7 deg	0.2 deg	-0.4 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-12.3 deg	-2.5 deg	2.0 deg	-0.2 mm	-0.2 mm	-0.4 mm	0.20	0.20	68.2 deg	15.4 mm
41	-3.7 deg	0.1 deg	1.0 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	17.2 deg	0.2 deg	2.7 deg	0.1 mm	-0.2 mm	-0.7 mm	0.20	0.20	70.2 deg	16.9 mm
43	-6.1 deg	0.3 deg	1.7 deg	-0.5 mm	-0.3 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-6.2 deg	0.3 deg	11.7 deg	-0.4 mm	-0.4 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	8.3 deg	-0.7 deg	3.1 deg	-0.5 mm	-0.9 mm	0.7 mm	0.20	0.20	83.2 deg	25.3 mm
46	5.3 deg			-0.3 mm	-0.7 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-7.0 deg	0.9 deg	0.9 mm	0.4 mm	-0.5 mm			73.7 deg	36.8 mm

**Setup: Subsetup19**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	8.5 deg	-1.8 deg	1.7 deg	-1.4 mm	0.1 mm	-1.2 mm			83.9 deg	37.1 mm
16	5.6 deg	-0.2 deg	-0.7 deg	-1.7 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.8 deg	0.1 deg	3.7 deg	-1.8 mm	0.5 mm	1.2 mm	0.20	0.20	73.1 deg	27.0 mm
14	-12.7 deg	0.7 deg	0.8 deg	-2.6 mm	0.5 mm	1.6 mm	0.20	0.20	76.2 deg	26.8 mm
13	-7.9 deg	-3.8 deg	-1.7 deg	-0.7 mm	0.6 mm	1.0 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.4 deg	-1.2 deg	-11.9 deg	-1.0 mm	0.1 mm	2.0 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.7 deg	0.2 deg	0.0 deg	-0.1 mm	-0.1 mm	0.4 mm	0.20	0.20	87.5 deg	23.8 mm
21	-5.6 deg	2.0 deg	-0.5 deg	-1.0 mm	-0.2 mm	0.6 mm	0.20	0.20	82.4 deg	23.9 mm
22	-12.5 deg	-3.6 deg	-7.7 deg	0.6 mm	-0.2 mm	1.9 mm	0.20	0.20	50.2 deg	19.0 mm
23	-12.7 deg	0.4 deg	-1.7 deg	-0.9 mm	0.1 mm	2.2 mm	0.20	0.20	86.2 deg	26.3 mm
24	-19.9 deg	-0.4 deg	-1.4 deg	0.9 mm	-0.7 mm	3.3 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.9 deg	0.1 deg	2.0 deg	-0.1 mm	-0.3 mm	2.2 mm	0.20	0.20	82.9 deg	26.6 mm
26	2.9 deg	-1.5 deg	3.1 deg	0.4 mm	-0.6 mm	0.9 mm	0.30	0.30	83.4 deg	38.9 mm

27	1.6 deg	0.0 deg	0.2 deg	0.3 mm	-0.5 mm	1.1 mm			72.4 deg	36.3 mm
37	2.4 deg	-1.3 deg	1.5 deg	0.1 mm	0.5 mm	0.2 mm	0.30	0.30	70.5 deg	36.2 mm
36	2.9 deg	-0.1 deg	1.1 deg	-0.4 mm	0.2 mm	0.6 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	3.1 deg	-0.6 mm	-0.3 mm	1.0 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.3 deg	0.4 deg	2.4 deg	-0.5 mm	-0.6 mm	0.5 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.2 deg	-0.8 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-5.4 deg	-1.8 deg	0.3 deg	-0.4 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-13.0 deg	-2.7 deg	2.1 deg	-0.2 mm	-0.2 mm	-0.5 mm	0.20	0.20	68.2 deg	15.4 mm
41	-3.9 deg	0.1 deg	1.0 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	18.2 deg	0.2 deg	2.9 deg	0.1 mm	-0.2 mm	-0.7 mm	0.20	0.20	70.2 deg	16.9 mm
43	-6.5 deg	0.3 deg	1.8 deg	-0.5 mm	-0.3 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-6.6 deg	0.4 deg	12.3 deg	-0.4 mm	-0.4 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	8.7 deg	-0.8 deg	3.3 deg	-0.5 mm	-1.0 mm	0.8 mm	0.20	0.20	83.2 deg	25.3 mm
46	5.6 deg			-0.4 mm	-0.7 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-7.4 deg	0.9 deg	1.0 mm	0.4 mm	-0.5 mm			73.7 deg	36.8 mm

**Setup: Subsetup20**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-ferece
17	8.9 deg	-1.9 deg	1.7 deg	-1.5 mm	0.1 mm	-1.3 mm			83.9 deg	37.1 mm
16	5.9 deg	-0.2 deg	-0.8 deg	-1.8 mm	0.3 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-2.9 deg	0.1 deg	3.9 deg	-1.9 mm	0.5 mm	1.3 mm	0.20	0.20	73.1 deg	27.0 mm
14	-13.4 deg	0.8 deg	0.8 deg	-2.7 mm	0.5 mm	1.7 mm	0.20	0.20	76.2 deg	26.8 mm
13	-8.3 deg	-4.0 deg	-1.8 deg	-0.8 mm	0.7 mm	1.0 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.4 deg	-1.3 deg	-12.5 deg	-1.0 mm	0.1 mm	2.1 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.8 deg	0.2 deg	-0.1 deg	-0.1 mm	-0.1 mm	0.5 mm	0.20	0.20	87.5 deg	23.8 mm
21	-5.9 deg	2.1 deg	-0.5 deg	-1.0 mm	-0.2 mm	0.7 mm	0.20	0.20	82.4 deg	23.9 mm
22	-13.2 deg	-3.8 deg	-8.1 deg	0.7 mm	-0.2 mm	2.0 mm	0.20	0.20	50.2 deg	19.0 mm
23	-13.3 deg	0.4 deg	-1.8 deg	-0.9 mm	0.1 mm	2.4 mm	0.20	0.20	86.2 deg	26.3 mm
24	-21.0 deg	-0.4 deg	-1.5 deg	1.0 mm	-0.7 mm	3.5 mm	0.20	0.20	83.9 deg	27.0 mm
25	-0.9 deg	0.1 deg	2.2 deg	-0.1 mm	-0.3 mm	2.3 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.1 deg	-1.6 deg	3.3 deg	0.4 mm	-0.7 mm	1.0 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.7 deg	0.0 deg	0.2 deg	0.4 mm	-0.6 mm	1.1 mm			72.4 deg	36.3 mm
37	2.6 deg	-1.4 deg	1.6 deg	0.1 mm	0.5 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.1 deg	-0.1 deg	1.2 deg	-0.4 mm	0.2 mm	0.6 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	3.3 deg	-0.7 mm	-0.3 mm	1.1 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.5 deg	0.4 deg	2.5 deg	-0.6 mm	-0.6 mm	0.5 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.3 deg	-0.8 mm	-0.3 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-5.7 deg	-1.9 deg	0.3 deg	-0.4 mm	0.0 mm	0.0 mm	0.20	0.20	75.0 deg	16.4 mm
31	-13.6 deg	-2.8 deg	2.2 deg	-0.2 mm	-0.2 mm	-0.5 mm	0.20	0.20	68.2 deg	15.4 mm
41	-4.1 deg	0.1 deg	1.1 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	19.1 deg	0.2 deg	3.0 deg	0.1 mm	-0.2 mm	-0.7 mm	0.20	0.20	70.2 deg	16.9 mm
43	-6.8 deg	0.4 deg	1.9 deg	-0.5 mm	-0.3 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-6.9 deg	0.4 deg	13.0 deg	-0.4 mm	-0.5 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	9.2 deg	-0.9 deg	3.5 deg	-0.5 mm	-1.0 mm	0.8 mm	0.20	0.20	83.2 deg	25.3 mm
46	5.9 deg			-0.4 mm	-0.7 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-7.8 deg	1.0 deg	1.0 mm	0.4 mm	-0.5 mm			73.7 deg	36.8 mm

**Setup: Subsetup21**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	9.4 deg	-2.0 deg	1.8 deg	-1.5 mm	0.1 mm	-1.3 mm			83.9 deg	37.1 mm
16	6.2 deg	-0.2 deg	-0.8 deg	-1.9 mm	0.4 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.1 deg	0.2 deg	4.0 deg	-2.0 mm	0.6 mm	1.4 mm	0.20	0.20	73.1 deg	27.0 mm
14	-14.0 deg	0.8 deg	0.9 deg	-2.9 mm	0.6 mm	1.8 mm	0.20	0.20	76.2 deg	26.8 mm
13	-8.8 deg	-4.2 deg	-1.8 deg	-0.8 mm	0.7 mm	1.1 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.5 deg	-1.4 deg	-13.1 deg	-1.1 mm	0.1 mm	2.2 mm	0.20	0.20	49.5 deg	19.3 mm
11	-1.9 deg	0.2 deg	-0.1 deg	-0.1 mm	-0.1 mm	0.5 mm	0.20	0.20	87.5 deg	23.8 mm
21	-6.2 deg	2.2 deg	-0.5 deg	-1.1 mm	-0.2 mm	0.7 mm	0.20	0.20	82.4 deg	23.9 mm
22	-13.8 deg	-4.1 deg	-8.5 deg	0.7 mm	-0.3 mm	2.1 mm	0.20	0.20	50.2 deg	19.0 mm
23	-14.0 deg	0.4 deg	-1.8 deg	-1.0 mm	0.1 mm	2.5 mm	0.20	0.20	86.2 deg	26.3 mm
24	-22.0 deg	-0.5 deg	-1.5 deg	1.0 mm	-0.7 mm	3.6 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.0 deg	0.1 deg	2.3 deg	-0.1 mm	-0.4 mm	2.5 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.2 deg	-1.7 deg	3.5 deg	0.4 mm	-0.7 mm	1.0 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.8 deg	0.0 deg	0.2 deg	0.4 mm	-0.6 mm	1.2 mm			72.4 deg	36.3 mm
37	2.7 deg	-1.5 deg	1.7 deg	0.1 mm	0.5 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.3 deg	-0.1 deg	1.3 deg	-0.5 mm	0.2 mm	0.6 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	3.4 deg	-0.7 mm	-0.3 mm	1.2 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.7 deg	0.4 deg	2.6 deg	-0.6 mm	-0.6 mm	0.5 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.4 deg	-0.8 mm	-0.4 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-6.0 deg	-2.0 deg	0.3 deg	-0.4 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-14.3 deg	-2.9 deg	2.4 deg	-0.2 mm	-0.2 mm	-0.5 mm	0.20	0.20	68.2 deg	15.4 mm
41	-4.4 deg	0.1 deg	1.1 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	20.1 deg	0.1 deg	3.2 deg	0.1 mm	-0.2 mm	-0.8 mm	0.20	0.20	70.2 deg	16.9 mm
43	-7.2 deg	0.4 deg	2.0 deg	-0.5 mm	-0.4 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-7.3 deg	0.5 deg	13.6 deg	-0.5 mm	-0.5 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	9.7 deg	-0.9 deg	3.6 deg	-0.5 mm	-1.1 mm	0.9 mm	0.20	0.20	83.2 deg	25.3 mm
46	6.2 deg			-0.4 mm	-0.8 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-8.2 deg	1.0 deg	1.1 mm	0.5 mm	-0.6 mm			73.7 deg	36.8 mm

**Setup: Subsetup22**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	9.8 deg	-2.1 deg	1.9 deg	-1.6 mm	0.1 mm	-1.4 mm			83.9 deg	37.1 mm
16	6.5 deg	-0.2 deg	-0.9 deg	-2.0 mm	0.4 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.2 deg	0.2 deg	4.2 deg	-2.1 mm	0.6 mm	1.4 mm	0.20	0.20	73.1 deg	27.0 mm
14	-14.7 deg	0.9 deg	0.9 deg	-3.0 mm	0.6 mm	1.9 mm	0.20	0.20	76.2 deg	26.8 mm
13	-9.2 deg	-4.4 deg	-1.9 deg	-0.8 mm	0.7 mm	1.1 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.5 deg	-1.4 deg	-13.8 deg	-1.1 mm	0.1 mm	2.3 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.0 deg	0.2 deg	-0.1 deg	-0.1 mm	-0.1 mm	0.5 mm	0.20	0.20	87.5 deg	23.8 mm
21	-6.5 deg	2.3 deg	-0.6 deg	-1.2 mm	-0.2 mm	0.7 mm	0.20	0.20	82.4 deg	23.9 mm
22	-14.5 deg	-4.3 deg	-8.9 deg	0.8 mm	-0.3 mm	2.2 mm	0.20	0.20	50.2 deg	19.0 mm
23	-14.7 deg	0.4 deg	-1.9 deg	-1.0 mm	0.1 mm	2.6 mm	0.20	0.20	86.2 deg	26.3 mm
24	-23.1 deg	-0.5 deg	-1.6 deg	1.1 mm	-0.8 mm	3.8 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.0 deg	0.1 deg	2.4 deg	-0.1 mm	-0.4 mm	2.6 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.4 deg	-1.8 deg	3.6 deg	0.5 mm	-0.7 mm	1.1 mm	0.30	0.30	83.4 deg	38.9 mm

27	1.9 deg	0.0 deg	0.2 deg	0.4 mm	-0.6 mm	1.3 mm			72.4 deg	36.3 mm
37	2.8 deg	-1.5 deg	1.7 deg	0.1 mm	0.6 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.4 deg	-0.1 deg	1.3 deg	-0.5 mm	0.2 mm	0.7 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.2 deg	-0.2 deg	3.6 deg	-0.7 mm	-0.3 mm	1.2 mm	0.20	0.20	80.7 deg	25.2 mm
34	-3.9 deg	0.4 deg	2.7 deg	-0.6 mm	-0.6 mm	0.5 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.5 deg	-0.9 mm	-0.4 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-6.3 deg	-2.1 deg	0.3 deg	-0.4 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-15.0 deg	-3.1 deg	2.5 deg	-0.2 mm	-0.2 mm	-0.5 mm	0.20	0.20	68.2 deg	15.4 mm
41	-4.6 deg	0.1 deg	1.2 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	21.0 deg	0.1 deg	3.3 deg	0.1 mm	-0.2 mm	-0.8 mm	0.20	0.20	70.2 deg	16.9 mm
43	-7.5 deg	0.4 deg	2.1 deg	-0.6 mm	-0.4 mm	-0.3 mm	0.20	0.20	73.6 deg	21.4 mm
44	-7.6 deg	0.6 deg	14.3 deg	-0.5 mm	-0.5 mm	-0.3 mm	0.20	0.20	74.5 deg	23.6 mm
45	10.1 deg	-1.0 deg	3.8 deg	-0.6 mm	-1.1 mm	0.9 mm	0.20	0.20	83.2 deg	25.3 mm
46	6.5 deg			-0.4 mm	-0.8 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-8.6 deg	1.1 deg	1.1 mm	0.5 mm	-0.6 mm			73.7 deg	36.8 mm

**Setup: Subsetup23**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	10.3 deg	-2.2 deg	2.0 deg	-1.7 mm	0.1 mm	-1.5 mm			83.9 deg	37.1 mm
16	6.8 deg	-0.2 deg	-0.9 deg	-2.1 mm	0.4 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.4 deg	0.2 deg	4.4 deg	-2.2 mm	0.6 mm	1.5 mm	0.20	0.20	73.1 deg	27.0 mm
14	-15.4 deg	0.9 deg	1.0 deg	-3.1 mm	0.6 mm	2.0 mm	0.20	0.20	76.2 deg	26.8 mm
13	-9.6 deg	-4.6 deg	-2.0 deg	-0.9 mm	0.8 mm	1.2 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.5 deg	-1.5 deg	-14.4 deg	-1.2 mm	0.1 mm	2.4 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.1 deg	0.2 deg	-0.1 deg	-0.1 mm	-0.1 mm	0.5 mm	0.20	0.20	87.5 deg	23.8 mm
21	-6.8 deg	2.5 deg	-0.6 deg	-1.2 mm	-0.2 mm	0.8 mm	0.20	0.20	82.4 deg	23.9 mm
22	-15.2 deg	-4.6 deg	-9.3 deg	0.8 mm	-0.3 mm	2.3 mm	0.20	0.20	50.2 deg	19.0 mm
23	-15.3 deg	0.4 deg	-2.0 deg	-1.1 mm	0.1 mm	2.7 mm	0.20	0.20	86.2 deg	26.3 mm
24	-24.1 deg	-0.5 deg	-1.7 deg	1.2 mm	-0.8 mm	4.0 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.1 deg	0.1 deg	2.5 deg	-0.1 mm	-0.4 mm	2.7 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.5 deg	-1.9 deg	3.8 deg	0.5 mm	-0.8 mm	1.1 mm	0.30	0.30	83.4 deg	38.9 mm
27	1.9 deg	-0.1 deg	0.2 deg	0.4 mm	-0.6 mm	1.3 mm			72.4 deg	36.3 mm
37	3.0 deg	-1.6 deg	1.8 deg	0.1 mm	0.6 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.6 deg	-0.1 deg	1.4 deg	-0.5 mm	0.2 mm	0.7 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.2 deg	3.8 deg	-0.8 mm	-0.4 mm	1.3 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.1 deg	0.5 deg	2.9 deg	-0.6 mm	-0.7 mm	0.6 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.7 deg	-0.9 mm	-0.4 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-6.6 deg	-2.2 deg	0.3 deg	-0.5 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-15.7 deg	-3.2 deg	2.6 deg	-0.2 mm	-0.2 mm	-0.6 mm	0.20	0.20	68.2 deg	15.4 mm
41	-4.8 deg	0.1 deg	1.2 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	22.0 deg	0.1 deg	3.5 deg	0.1 mm	-0.3 mm	-0.8 mm	0.20	0.20	70.2 deg	16.9 mm
43	-7.8 deg	0.4 deg	2.2 deg	-0.6 mm	-0.4 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-8.0 deg	0.6 deg	14.9 deg	-0.5 mm	-0.5 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	10.6 deg	-1.0 deg	4.0 deg	-0.6 mm	-1.2 mm	1.0 mm	0.20	0.20	83.2 deg	25.3 mm
46	6.8 deg			-0.4 mm	-0.9 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-9.0 deg	1.1 deg	1.2 mm	0.5 mm	-0.6 mm			73.7 deg	36.8 mm

**Setup: Subsetup24**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	10.7 deg	-2.3 deg	2.0 deg	-1.7 mm	0.1 mm	-1.5 mm			83.9 deg	37.1 mm
16	7.1 deg	-0.2 deg	-0.9 deg	-2.1 mm	0.4 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.5 deg	0.2 deg	4.6 deg	-2.3 mm	0.7 mm	1.6 mm	0.20	0.20	73.1 deg	27.0 mm
14	-16.0 deg	1.0 deg	1.0 deg	-3.2 mm	0.6 mm	2.1 mm	0.20	0.20	76.2 deg	26.8 mm
13	-10.0 deg	-4.8 deg	-2.1 deg	-0.9 mm	0.8 mm	1.2 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.5 deg	-1.6 deg	-15.0 deg	-1.2 mm	0.1 mm	2.5 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.2 deg	0.3 deg	-0.1 deg	-0.1 mm	-0.1 mm	0.6 mm	0.20	0.20	87.5 deg	23.8 mm
21	-7.1 deg	2.6 deg	-0.6 deg	-1.3 mm	-0.2 mm	0.8 mm	0.20	0.20	82.4 deg	23.9 mm
22	-15.8 deg	-4.8 deg	-9.7 deg	0.8 mm	-0.3 mm	2.4 mm	0.20	0.20	50.2 deg	19.0 mm
23	-16.0 deg	0.4 deg	-2.1 deg	-1.1 mm	0.1 mm	2.8 mm	0.20	0.20	86.2 deg	26.3 mm
24	-25.2 deg	-0.6 deg	-1.7 deg	1.3 mm	-0.9 mm	4.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.1 deg	0.1 deg	2.6 deg	-0.1 mm	-0.4 mm	2.8 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.7 deg	-2.0 deg	3.9 deg	0.5 mm	-0.8 mm	1.2 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.0 deg	-0.1 deg	0.2 deg	0.4 mm	-0.7 mm	1.4 mm			72.4 deg	36.3 mm
37	3.1 deg	-1.7 deg	1.9 deg	0.1 mm	0.6 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.7 deg	-0.1 deg	1.4 deg	-0.5 mm	0.2 mm	0.7 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.2 deg	3.9 deg	-0.8 mm	-0.4 mm	1.3 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.2 deg	0.5 deg	3.0 deg	-0.7 mm	-0.7 mm	0.6 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.8 deg	-1.0 mm	-0.4 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-6.9 deg	-2.3 deg	0.4 deg	-0.5 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-16.4 deg	-3.3 deg	2.8 deg	-0.2 mm	-0.2 mm	-0.6 mm	0.20	0.20	68.2 deg	15.4 mm
41	-5.0 deg	0.1 deg	1.3 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	22.9 deg	0.1 deg	3.6 deg	0.1 mm	-0.3 mm	-0.9 mm	0.20	0.20	70.2 deg	16.9 mm
43	-8.2 deg	0.5 deg	2.3 deg	-0.6 mm	-0.4 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-8.3 deg	0.7 deg	15.6 deg	-0.5 mm	-0.5 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	11.1 deg	-1.1 deg	4.1 deg	-0.6 mm	-1.2 mm	1.0 mm	0.20	0.20	83.2 deg	25.3 mm
46	7.1 deg			-0.5 mm	-0.9 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.1 deg	-9.4 deg	1.2 deg	1.2 mm	0.5 mm	-0.7 mm			73.7 deg	36.8 mm

**Setup: Subsetup25**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	11.2 deg	-2.4 deg	2.1 deg	-1.8 mm	0.1 mm	-1.6 mm			83.9 deg	37.1 mm
16	7.4 deg	-0.2 deg	-1.0 deg	-2.2 mm	0.4 mm	-0.1 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.7 deg	0.2 deg	4.8 deg	-2.4 mm	0.7 mm	1.6 mm	0.20	0.20	73.1 deg	27.0 mm
14	-16.7 deg	1.0 deg	1.0 deg	-3.4 mm	0.7 mm	2.2 mm	0.20	0.20	76.2 deg	26.8 mm
13	-10.4 deg	-5.0 deg	-2.1 deg	-0.9 mm	0.8 mm	1.3 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.6 deg	-1.6 deg	-15.6 deg	-1.3 mm	0.1 mm	2.6 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.3 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.6 mm	0.20	0.20	87.5 deg	23.8 mm
21	-7.4 deg	2.7 deg	-0.7 deg	-1.3 mm	-0.2 mm	0.8 mm	0.20	0.20	82.4 deg	23.9 mm
22	-16.5 deg	-5.1 deg	-10.0 deg	0.9 mm	-0.3 mm	2.5 mm	0.20	0.20	50.2 deg	19.0 mm
23	-16.7 deg	0.4 deg	-2.2 deg	-1.1 mm	0.1 mm	3.0 mm	0.20	0.20	86.2 deg	26.3 mm
24	-26.2 deg	-0.6 deg	-1.8 deg	1.3 mm	-0.9 mm	4.3 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.2 deg	0.1 deg	2.7 deg	-0.1 mm	-0.4 mm	2.9 mm	0.20	0.20	82.9 deg	26.6 mm
26	3.8 deg	-2.1 deg	4.1 deg	0.5 mm	-0.8 mm	1.2 mm	0.30	0.30	83.4 deg	38.9 mm



27	2.1 deg	-0.1 deg	0.2 deg	0.5 mm	-0.7 mm	1.4 mm			72.4 deg	36.3 mm
37	3.2 deg	-1.8 deg	2.0 deg	0.1 mm	0.6 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	3.9 deg	-0.1 deg	1.5 deg	-0.5 mm	0.2 mm	0.7 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.2 deg	4.1 deg	-0.8 mm	-0.4 mm	1.4 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.4 deg	0.5 deg	3.1 deg	-0.7 mm	-0.7 mm	0.6 mm	0.20	0.20	82.2 deg	23.5 mm
33			2.9 deg	-1.0 mm	-0.4 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-7.2 deg	-2.4 deg	0.4 deg	-0.5 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-17.1 deg	-3.4 deg	2.9 deg	-0.3 mm	-0.2 mm	-0.6 mm	0.20	0.20	68.2 deg	15.4 mm
41	-5.2 deg	0.1 deg	1.3 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	23.9 deg	0.0 deg	3.8 deg	0.1 mm	-0.3 mm	-0.9 mm	0.20	0.20	70.2 deg	16.9 mm
43	-8.5 deg	0.5 deg	2.4 deg	-0.6 mm	-0.4 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-8.7 deg	0.8 deg	16.2 deg	-0.5 mm	-0.6 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	11.5 deg	-1.2 deg	4.3 deg	-0.6 mm	-1.3 mm	1.0 mm	0.20	0.20	83.2 deg	25.3 mm
46	7.4 deg			-0.5 mm	-0.9 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.2 deg	-9.8 deg	1.2 deg	1.3 mm	0.5 mm	-0.7 mm			73.7 deg	36.8 mm

**Setup: Subsetup26**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	11.6 deg	-2.5 deg	2.2 deg	-1.9 mm	0.2 mm	-1.6 mm			83.9 deg	37.1 mm
16	7.7 deg	-0.2 deg	-1.0 deg	-2.3 mm	0.4 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-3.8 deg	0.2 deg	5.0 deg	-2.5 mm	0.7 mm	1.7 mm	0.20	0.20	73.1 deg	27.0 mm
14	-17.4 deg	1.0 deg	1.1 deg	-3.5 mm	0.7 mm	2.3 mm	0.20	0.20	76.2 deg	26.8 mm
13	-10.8 deg	-5.2 deg	-2.2 deg	-1.0 mm	0.9 mm	1.3 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.6 deg	-1.7 deg	-16.3 deg	-1.3 mm	0.1 mm	2.7 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.4 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.6 mm	0.20	0.20	87.5 deg	23.8 mm
21	-7.7 deg	2.8 deg	-0.7 deg	-1.4 mm	-0.2 mm	0.9 mm	0.20	0.20	82.4 deg	23.9 mm
22	-17.2 deg	-5.4 deg	-10.4 deg	0.9 mm	-0.3 mm	2.5 mm	0.20	0.20	50.2 deg	19.0 mm
23	-17.3 deg	0.4 deg	-2.3 deg	-1.2 mm	0.1 mm	3.1 mm	0.20	0.20	86.2 deg	26.3 mm
24	-27.3 deg	-0.7 deg	-1.9 deg	1.4 mm	-0.9 mm	4.4 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.2 deg	0.1 deg	2.8 deg	-0.1 mm	-0.4 mm	3.0 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.0 deg	-2.1 deg	4.3 deg	0.5 mm	-0.9 mm	1.3 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.2 deg	-0.1 deg	0.2 deg	0.5 mm	-0.7 mm	1.5 mm			72.4 deg	36.3 mm
37	3.3 deg	-1.8 deg	2.0 deg	0.1 mm	0.7 mm	0.3 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.0 deg	-0.1 deg	1.6 deg	-0.6 mm	0.3 mm	0.8 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.2 deg	4.3 deg	-0.9 mm	-0.4 mm	1.4 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.6 deg	0.5 deg	3.2 deg	-0.7 mm	-0.8 mm	0.6 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.0 deg	-1.0 mm	-0.5 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-7.5 deg	-2.5 deg	0.4 deg	-0.5 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-17.8 deg	-3.5 deg	3.1 deg	-0.3 mm	-0.2 mm	-0.6 mm	0.20	0.20	68.2 deg	15.4 mm
41	-5.4 deg	0.1 deg	1.4 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	24.9 deg	0.0 deg	3.9 deg	0.1 mm	-0.3 mm	-1.0 mm	0.20	0.20	70.2 deg	16.9 mm
43	-8.9 deg	0.5 deg	2.5 deg	-0.7 mm	-0.4 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-9.0 deg	0.9 deg	16.9 deg	-0.6 mm	-0.6 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	12.0 deg	-1.2 deg	4.5 deg	-0.7 mm	-1.3 mm	1.1 mm	0.20	0.20	83.2 deg	25.3 mm
46	7.7 deg			-0.5 mm	-1.0 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.2 deg	-10.2 deg	1.3 deg	1.4 mm	0.6 mm	-0.7 mm			73.7 deg	36.8 mm



**Setup: Subsetup27**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	12.1 deg	-2.6 deg	2.3 deg	-1.9 mm	0.2 mm	-1.7 mm			83.9 deg	37.1 mm
16	8.0 deg	-0.2 deg	-1.1 deg	-2.4 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.0 deg	0.2 deg	5.2 deg	-2.6 mm	0.7 mm	1.8 mm	0.20	0.20	73.1 deg	27.0 mm
14	-18.1 deg	1.1 deg	1.1 deg	-3.6 mm	0.7 mm	2.4 mm	0.20	0.20	76.2 deg	26.8 mm
13	-11.3 deg	-5.4 deg	-2.3 deg	-1.0 mm	0.9 mm	1.4 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.6 deg	-1.7 deg	-16.9 deg	-1.4 mm	0.1 mm	2.8 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.5 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.6 mm	0.20	0.20	87.5 deg	23.8 mm
21	-8.0 deg	2.9 deg	-0.7 deg	-1.4 mm	-0.2 mm	0.9 mm	0.20	0.20	82.4 deg	23.9 mm
22	-17.8 deg	-5.6 deg	-10.8 deg	1.0 mm	-0.4 mm	2.6 mm	0.20	0.20	50.2 deg	19.0 mm
23	-18.0 deg	0.4 deg	-2.4 deg	-1.2 mm	0.1 mm	3.2 mm	0.20	0.20	86.2 deg	26.3 mm
24	-28.3 deg	-0.7 deg	-1.9 deg	1.5 mm	-1.0 mm	4.6 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.3 deg	0.1 deg	2.9 deg	-0.1 mm	-0.5 mm	3.2 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.1 deg	-2.2 deg	4.4 deg	0.6 mm	-0.9 mm	1.3 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.3 deg	-0.1 deg	0.2 deg	0.5 mm	-0.8 mm	1.5 mm			72.4 deg	36.3 mm
37	3.5 deg	-1.9 deg	2.1 deg	0.1 mm	0.7 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.2 deg	-0.1 deg	1.6 deg	-0.6 mm	0.3 mm	0.8 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.2 deg	4.4 deg	-0.9 mm	-0.4 mm	1.5 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.8 deg	0.6 deg	3.4 deg	-0.8 mm	-0.8 mm	0.7 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.1 deg	-1.1 mm	-0.5 mm	-0.1 mm	0.20	0.20	86.2 deg	22.6 mm
32	-7.7 deg	-2.6 deg	0.4 deg	-0.5 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-18.4 deg	-3.7 deg	3.2 deg	-0.3 mm	-0.2 mm	-0.7 mm	0.20	0.20	68.2 deg	15.4 mm
41	-5.6 deg	0.2 deg	1.4 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	25.8 deg	0.0 deg	4.1 deg	0.1 mm	-0.3 mm	-1.0 mm	0.20	0.20	70.2 deg	16.9 mm
43	-9.2 deg	0.5 deg	2.5 deg	-0.7 mm	-0.5 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-9.4 deg	1.0 deg	17.5 deg	-0.6 mm	-0.6 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	12.4 deg	-1.3 deg	4.6 deg	-0.7 mm	-1.4 mm	1.1 mm	0.20	0.20	83.2 deg	25.3 mm
46	8.0 deg			-0.5 mm	-1.0 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.2 deg	-10.6 deg	1.3 deg	1.4 mm	0.6 mm	-0.7 mm			73.7 deg	36.8 mm

**Setup: Subsetup28**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	12.5 deg	-2.7 deg	2.3 deg	-2.0 mm	0.2 mm	-1.8 mm			83.9 deg	37.1 mm
16	8.3 deg	-0.2 deg	-1.1 deg	-2.5 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.1 deg	0.2 deg	5.4 deg	-2.7 mm	0.8 mm	1.8 mm	0.20	0.20	73.1 deg	27.0 mm
14	-18.7 deg	1.1 deg	1.1 deg	-3.8 mm	0.7 mm	2.4 mm	0.20	0.20	76.2 deg	26.8 mm
13	-11.7 deg	-5.6 deg	-2.3 deg	-1.0 mm	0.9 mm	1.4 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.6 deg	-1.8 deg	-17.5 deg	-1.4 mm	0.1 mm	2.9 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.5 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.7 mm	0.20	0.20	87.5 deg	23.8 mm
21	-8.3 deg	3.0 deg	-0.8 deg	-1.5 mm	-0.2 mm	0.9 mm	0.20	0.20	82.4 deg	23.9 mm
22	-18.5 deg	-5.9 deg	-11.1 deg	1.0 mm	-0.4 mm	2.7 mm	0.20	0.20	50.2 deg	19.0 mm
23	-18.7 deg	0.4 deg	-2.5 deg	-1.2 mm	0.1 mm	3.3 mm	0.20	0.20	86.2 deg	26.3 mm
24	-29.4 deg	-0.8 deg	-2.0 deg	1.6 mm	-1.0 mm	4.7 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.3 deg	0.2 deg	3.0 deg	-0.1 mm	-0.5 mm	3.3 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.3 deg	-2.3 deg	4.6 deg	0.6 mm	-0.9 mm	1.4 mm	0.30	0.30	83.4 deg	38.9 mm

27	2.4 deg	-0.1 deg	0.3 deg	0.5 mm	-0.8 mm	1.6 mm			72.4 deg	36.3 mm
37	3.6 deg	-2.0 deg	2.2 deg	0.1 mm	0.7 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.3 deg	-0.2 deg	1.7 deg	-0.6 mm	0.3 mm	0.8 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.3 deg	4.6 deg	-0.9 mm	-0.4 mm	1.5 mm	0.20	0.20	80.7 deg	25.2 mm
34	-4.9 deg	0.6 deg	3.5 deg	-0.8 mm	-0.8 mm	0.7 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.2 deg	-1.1 mm	-0.5 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-8.0 deg	-2.6 deg	0.5 deg	-0.6 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-19.1 deg	-3.8 deg	3.3 deg	-0.3 mm	-0.3 mm	-0.7 mm	0.20	0.20	68.2 deg	15.4 mm
41	-5.8 deg	0.2 deg	1.5 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	26.8 deg	-0.1 deg	4.2 deg	0.1 mm	-0.3 mm	-1.0 mm	0.20	0.20	70.2 deg	16.9 mm
43	-9.5 deg	0.6 deg	2.6 deg	-0.7 mm	-0.5 mm	-0.4 mm	0.20	0.20	73.6 deg	21.4 mm
44	-9.7 deg	1.1 deg	18.2 deg	-0.6 mm	-0.6 mm	-0.4 mm	0.20	0.20	74.5 deg	23.6 mm
45	12.9 deg	-1.4 deg	4.8 deg	-0.7 mm	-1.4 mm	1.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	8.3 deg			-0.5 mm	-1.0 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.2 deg	-11.0 deg	1.4 deg	1.5 mm	0.6 mm	-0.8 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup29**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	12.9 deg	-2.8 deg	2.4 deg	-2.1 mm	0.2 mm	-1.8 mm			83.9 deg	37.1 mm
16	8.6 deg	-0.2 deg	-1.1 deg	-2.6 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.3 deg	0.3 deg	5.6 deg	-2.8 mm	0.8 mm	1.9 mm	0.20	0.20	73.1 deg	27.0 mm
14	-19.4 deg	1.2 deg	1.2 deg	-3.9 mm	0.8 mm	2.5 mm	0.20	0.20	76.2 deg	26.8 mm
13	-12.1 deg	-5.8 deg	-2.4 deg	-1.1 mm	0.9 mm	1.5 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.6 deg	-1.9 deg	-18.1 deg	-1.5 mm	0.1 mm	3.0 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.6 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.7 mm	0.20	0.20	87.5 deg	23.8 mm
21	-8.5 deg	3.1 deg	-0.8 deg	-1.5 mm	-0.3 mm	1.0 mm	0.20	0.20	82.4 deg	23.9 mm
22	-19.2 deg	-6.2 deg	-11.5 deg	1.1 mm	-0.4 mm	2.8 mm	0.20	0.20	50.2 deg	19.0 mm
23	-19.3 deg	0.4 deg	-2.6 deg	-1.3 mm	0.1 mm	3.4 mm	0.20	0.20	86.2 deg	26.3 mm
24	-30.4 deg	-0.8 deg	-2.1 deg	1.6 mm	-1.0 mm	4.9 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.4 deg	0.2 deg	3.1 deg	-0.1 mm	-0.5 mm	3.4 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.5 deg	-2.4 deg	4.7 deg	0.6 mm	-1.0 mm	1.4 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.4 deg	-0.1 deg	0.3 deg	0.5 mm	-0.8 mm	1.7 mm			72.4 deg	36.3 mm
37	3.7 deg	-2.0 deg	2.3 deg	0.1 mm	0.7 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.5 deg	-0.2 deg	1.7 deg	-0.6 mm	0.3 mm	0.9 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.3 deg	4.7 deg	-1.0 mm	-0.5 mm	1.6 mm	0.20	0.20	80.7 deg	25.2 mm
34	-5.1 deg	0.6 deg	3.6 deg	-0.8 mm	-0.9 mm	0.7 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.3 deg	-1.2 mm	-0.5 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-8.3 deg	-2.7 deg	0.5 deg	-0.6 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-19.8 deg	-3.9 deg	3.5 deg	-0.3 mm	-0.3 mm	-0.7 mm	0.20	0.20	68.2 deg	15.4 mm
41	-6.0 deg	0.2 deg	1.5 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	27.7 deg	-0.1 deg	4.4 deg	0.2 mm	-0.3 mm	-1.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-9.9 deg	0.6 deg	2.7 deg	-0.7 mm	-0.5 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-10.1 deg	1.2 deg	18.8 deg	-0.6 mm	-0.7 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	13.4 deg	-1.4 deg	5.0 deg	-0.7 mm	-1.5 mm	1.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	8.6 deg			-0.5 mm	-1.1 mm	0.2 mm			81.9 deg	37.6 mm
47	-0.2 deg	-11.4 deg	1.4 deg	1.5 mm	0.6 mm	-0.8 mm			73.7 deg	36.8 mm

**Setup: Subsetup30**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	13.4 deg	-2.9 deg	2.5 deg	-2.1 mm	0.2 mm	-1.9 mm			83.9 deg	37.1 mm
16	8.9 deg	-0.2 deg	-1.2 deg	-2.7 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.4 deg	0.3 deg	5.8 deg	-2.9 mm	0.8 mm	2.0 mm	0.20	0.20	73.1 deg	27.0 mm
14	-20.1 deg	1.2 deg	1.2 deg	-4.0 mm	0.8 mm	2.6 mm	0.20	0.20	76.2 deg	26.8 mm
13	-12.5 deg	-6.0 deg	-2.4 deg	-1.1 mm	1.0 mm	1.5 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.7 deg	-1.9 deg	-18.8 deg	-1.5 mm	0.0 mm	3.2 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.7 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.7 mm	0.20	0.20	87.5 deg	23.8 mm
21	-8.8 deg	3.2 deg	-0.9 deg	-1.6 mm	-0.3 mm	1.0 mm	0.20	0.20	82.4 deg	23.9 mm
22	-19.8 deg	-6.5 deg	-11.9 deg	1.1 mm	-0.4 mm	2.9 mm	0.20	0.20	50.2 deg	19.0 mm
23	-20.0 deg	0.4 deg	-2.7 deg	-1.3 mm	0.1 mm	3.6 mm	0.20	0.20	86.2 deg	26.3 mm
24	-31.5 deg	-0.8 deg	-2.1 deg	1.7 mm	-1.1 mm	5.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.4 deg	0.2 deg	3.2 deg	-0.1 mm	-0.5 mm	3.5 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.6 deg	-2.5 deg	4.9 deg	0.6 mm	-1.0 mm	1.5 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.5 deg	-0.1 deg	0.3 deg	0.6 mm	-0.8 mm	1.7 mm			72.4 deg	36.3 mm
37	3.9 deg	-2.1 deg	2.3 deg	0.1 mm	0.8 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.7 deg	-0.2 deg	1.8 deg	-0.6 mm	0.3 mm	0.9 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.3 deg	4.9 deg	-1.0 mm	-0.5 mm	1.6 mm	0.20	0.20	80.7 deg	25.2 mm
34	-5.3 deg	0.6 deg	3.7 deg	-0.8 mm	-0.9 mm	0.7 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.5 deg	-1.2 mm	-0.5 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-8.6 deg	-2.8 deg	0.5 deg	-0.6 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-20.5 deg	-4.0 deg	3.6 deg	-0.3 mm	-0.3 mm	-0.7 mm	0.20	0.20	68.2 deg	15.4 mm
41	-6.2 deg	0.2 deg	1.6 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	28.7 deg	-0.1 deg	4.5 deg	0.2 mm	-0.3 mm	-1.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-10.2 deg	0.6 deg	2.8 deg	-0.8 mm	-0.5 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-10.4 deg	1.3 deg	19.5 deg	-0.7 mm	-0.7 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	13.8 deg	-1.5 deg	5.1 deg	-0.8 mm	-1.5 mm	1.2 mm	0.20	0.20	83.2 deg	25.3 mm
46	8.9 deg			-0.6 mm	-1.1 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-11.8 deg	1.5 deg	1.6 mm	0.7 mm	-0.8 mm			73.7 deg	36.8 mm

**Setup: Subsetup31**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	13.8 deg	-3.1 deg	2.6 deg	-2.2 mm	0.2 mm	-1.9 mm			83.9 deg	37.1 mm
16	9.2 deg	-0.2 deg	-1.2 deg	-2.8 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.5 deg	0.3 deg	6.0 deg	-3.0 mm	0.8 mm	2.0 mm	0.20	0.20	73.1 deg	27.0 mm
14	-20.7 deg	1.3 deg	1.2 deg	-4.1 mm	0.8 mm	2.7 mm	0.20	0.20	76.2 deg	26.8 mm
13	-12.9 deg	-6.2 deg	-2.5 deg	-1.1 mm	1.0 mm	1.6 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.7 deg	-2.0 deg	-19.4 deg	-1.6 mm	0.0 mm	3.3 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.8 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.7 mm	0.20	0.20	87.5 deg	23.8 mm
21	-9.1 deg	3.3 deg	-0.9 deg	-1.6 mm	-0.3 mm	1.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-20.5 deg	-6.8 deg	-12.2 deg	1.2 mm	-0.5 mm	3.0 mm	0.20	0.20	50.2 deg	19.0 mm
23	-20.7 deg	0.4 deg	-2.7 deg	-1.3 mm	0.1 mm	3.7 mm	0.20	0.20	86.2 deg	26.3 mm
24	-32.5 deg	-0.9 deg	-2.2 deg	1.8 mm	-1.1 mm	5.2 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.5 deg	0.2 deg	3.3 deg	-0.1 mm	-0.5 mm	3.6 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.8 deg	-2.6 deg	5.1 deg	0.6 mm	-1.0 mm	1.5 mm	0.30	0.30	83.4 deg	38.9 mm

27	2.6 deg	-0.1 deg	0.3 deg	0.6 mm	-0.9 mm	1.8 mm			72.4 deg	36.3 mm
37	4.0 deg	-2.2 deg	2.4 deg	0.1 mm	0.8 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	4.8 deg	-0.2 deg	1.9 deg	-0.7 mm	0.3 mm	0.9 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.3 deg	-0.3 deg	5.1 deg	-1.0 mm	-0.5 mm	1.7 mm	0.20	0.20	80.7 deg	25.2 mm
34	-5.5 deg	0.7 deg	3.8 deg	-0.9 mm	-0.9 mm	0.8 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.6 deg	-1.2 mm	-0.5 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-8.9 deg	-2.9 deg	0.5 deg	-0.6 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-21.2 deg	-4.1 deg	3.8 deg	-0.3 mm	-0.3 mm	-0.8 mm	0.20	0.20	68.2 deg	15.4 mm
41	-6.4 deg	0.2 deg	1.6 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	29.6 deg	-0.2 deg	4.7 deg	0.2 mm	-0.3 mm	-1.1 mm	0.20	0.20	70.2 deg	16.9 mm
43	-10.6 deg	0.7 deg	2.9 deg	-0.8 mm	-0.5 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-10.8 deg	1.4 deg	20.1 deg	-0.7 mm	-0.7 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	14.3 deg	-1.6 deg	5.3 deg	-0.8 mm	-1.6 mm	1.3 mm	0.20	0.20	83.2 deg	25.3 mm
46	9.2 deg			-0.6 mm	-1.2 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-12.1 deg	1.5 deg	1.6 mm	0.7 mm	-0.8 mm			73.7 deg	36.8 mm

**Setup: Subsetup32**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	14.3 deg	-3.2 deg	2.6 deg	-2.3 mm	0.2 mm	-2.0 mm			83.9 deg	37.1 mm
16	9.5 deg	-0.3 deg	-1.3 deg	-2.8 mm	0.5 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.7 deg	0.3 deg	6.2 deg	-3.1 mm	0.9 mm	2.1 mm	0.20	0.20	73.1 deg	27.0 mm
14	-21.4 deg	1.3 deg	1.3 deg	-4.3 mm	0.8 mm	2.8 mm	0.20	0.20	76.2 deg	26.8 mm
13	-13.4 deg	-6.5 deg	-2.6 deg	-1.2 mm	1.0 mm	1.6 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.7 deg	-2.1 deg	-20.0 deg	-1.6 mm	0.0 mm	3.4 mm	0.20	0.20	49.5 deg	19.3 mm
11	-2.9 deg	0.3 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	87.5 deg	23.8 mm
21	-9.4 deg	3.4 deg	-0.9 deg	-1.7 mm	-0.3 mm	1.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-21.2 deg	-7.1 deg	-12.6 deg	1.2 mm	-0.5 mm	3.1 mm	0.20	0.20	50.2 deg	19.0 mm
23	-21.3 deg	0.4 deg	-2.8 deg	-1.3 mm	0.1 mm	3.8 mm	0.20	0.20	86.2 deg	26.3 mm
24	-33.6 deg	-0.9 deg	-2.3 deg	1.9 mm	-1.2 mm	5.4 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.5 deg	0.2 deg	3.4 deg	-0.1 mm	-0.5 mm	3.7 mm	0.20	0.20	82.9 deg	26.6 mm
26	4.9 deg	-2.7 deg	5.2 deg	0.7 mm	-1.1 mm	1.6 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.7 deg	-0.1 deg	0.3 deg	0.6 mm	-0.9 mm	1.8 mm			72.4 deg	36.3 mm
37	4.1 deg	-2.3 deg	2.5 deg	0.1 mm	0.8 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.0 deg	-0.2 deg	1.9 deg	-0.7 mm	0.3 mm	0.9 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	5.2 deg	-1.1 mm	-0.5 mm	1.8 mm	0.20	0.20	80.7 deg	25.2 mm
34	-5.6 deg	0.7 deg	4.0 deg	-0.9 mm	-0.9 mm	0.8 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.7 deg	-1.3 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-9.2 deg	-3.0 deg	0.6 deg	-0.6 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-21.9 deg	-4.2 deg	3.9 deg	-0.3 mm	-0.3 mm	-0.8 mm	0.20	0.20	68.2 deg	15.4 mm
41	-6.6 deg	0.2 deg	1.7 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	30.6 deg	-0.2 deg	4.8 deg	0.2 mm	-0.4 mm	-1.2 mm	0.20	0.20	70.2 deg	16.9 mm
43	-10.9 deg	0.7 deg	3.0 deg	-0.8 mm	-0.6 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-11.2 deg	1.5 deg	20.8 deg	-0.7 mm	-0.7 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	14.7 deg	-1.6 deg	5.5 deg	-0.8 mm	-1.6 mm	1.3 mm	0.20	0.20	83.2 deg	25.3 mm
46	9.5 deg			-0.6 mm	-1.2 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-12.5 deg	1.6 deg	1.7 mm	0.7 mm	-0.9 mm			73.7 deg	36.8 mm

**Setup: Subsetup33**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	14.7 deg	-3.3 deg	2.7 deg	-2.3 mm	0.2 mm	-2.1 mm			83.9 deg	37.1 mm
16	9.8 deg	-0.3 deg	-1.3 deg	-2.9 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-4.8 deg	0.3 deg	6.4 deg	-3.2 mm	0.9 mm	2.2 mm	0.20	0.20	73.1 deg	27.0 mm
14	-22.1 deg	1.4 deg	1.3 deg	-4.4 mm	0.9 mm	2.9 mm	0.20	0.20	76.2 deg	26.8 mm
13	-13.8 deg	-6.7 deg	-2.6 deg	-1.2 mm	1.1 mm	1.7 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.7 deg	-2.1 deg	-20.6 deg	-1.7 mm	0.0 mm	3.5 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.0 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	87.5 deg	23.8 mm
21	-9.7 deg	3.5 deg	-1.0 deg	-1.7 mm	-0.3 mm	1.1 mm	0.20	0.20	82.4 deg	23.9 mm
22	-21.9 deg	-7.4 deg	-12.9 deg	1.3 mm	-0.5 mm	3.2 mm	0.20	0.20	50.2 deg	19.0 mm
23	-22.0 deg	0.4 deg	-2.9 deg	-1.4 mm	0.1 mm	3.9 mm	0.20	0.20	86.2 deg	26.3 mm
24	-34.6 deg	-1.0 deg	-2.3 deg	2.0 mm	-1.2 mm	5.5 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.6 deg	0.2 deg	3.6 deg	-0.1 mm	-0.6 mm	3.9 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.1 deg	-2.8 deg	5.4 deg	0.7 mm	-1.1 mm	1.6 mm	0.30	0.30	83.4 deg	38.9 mm
27	2.8 deg	-0.1 deg	0.3 deg	0.6 mm	-0.9 mm	1.9 mm			72.4 deg	36.3 mm
37	4.2 deg	-2.3 deg	2.6 deg	0.1 mm	0.8 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.1 deg	-0.2 deg	2.0 deg	-0.7 mm	0.3 mm	1.0 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	5.4 deg	-1.1 mm	-0.5 mm	1.8 mm	0.20	0.20	80.7 deg	25.2 mm
34	-5.8 deg	0.7 deg	4.1 deg	-0.9 mm	-1.0 mm	0.8 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.8 deg	-1.3 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-9.5 deg	-3.1 deg	0.6 deg	-0.7 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-22.5 deg	-4.3 deg	4.0 deg	-0.3 mm	-0.3 mm	-0.8 mm	0.20	0.20	68.2 deg	15.4 mm
41	-6.8 deg	0.2 deg	1.7 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	31.6 deg	-0.3 deg	4.9 deg	0.2 mm	-0.4 mm	-1.2 mm	0.20	0.20	70.2 deg	16.9 mm
43	-11.2 deg	0.7 deg	3.1 deg	-0.8 mm	-0.6 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-11.5 deg	1.6 deg	21.4 deg	-0.7 mm	-0.8 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	15.2 deg	-1.7 deg	5.6 deg	-0.8 mm	-1.7 mm	1.4 mm	0.20	0.20	83.2 deg	25.3 mm
46	9.8 deg			-0.6 mm	-1.2 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-12.9 deg	1.6 deg	1.7 mm	0.7 mm	-0.9 mm			73.7 deg	36.8 mm

**Setup: Subsetup34**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	15.2 deg	-3.4 deg	2.8 deg	-2.4 mm	0.2 mm	-2.1 mm			83.9 deg	37.1 mm
16	10.1 deg	-0.3 deg	-1.3 deg	-3.0 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.0 deg	0.4 deg	6.5 deg	-3.3 mm	0.9 mm	2.2 mm	0.20	0.20	73.1 deg	27.0 mm
14	-22.7 deg	1.4 deg	1.3 deg	-4.5 mm	0.9 mm	3.0 mm	0.20	0.20	76.2 deg	26.8 mm
13	-14.2 deg	-6.9 deg	-2.7 deg	-1.2 mm	1.1 mm	1.7 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.8 deg	-2.2 deg	-21.3 deg	-1.7 mm	0.0 mm	3.6 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.1 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	87.5 deg	23.8 mm
21	-10.0 deg	3.6 deg	-1.0 deg	-1.8 mm	-0.3 mm	1.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-22.5 deg	-7.7 deg	-13.3 deg	1.3 mm	-0.5 mm	3.3 mm	0.20	0.20	50.2 deg	19.0 mm
23	-22.7 deg	0.4 deg	-3.0 deg	-1.4 mm	0.1 mm	4.0 mm	0.20	0.20	86.2 deg	26.3 mm
24	-35.7 deg	-1.0 deg	-2.4 deg	2.0 mm	-1.2 mm	5.7 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.6 deg	0.2 deg	3.7 deg	-0.1 mm	-0.6 mm	4.0 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.2 deg	-2.9 deg	5.5 deg	0.7 mm	-1.1 mm	1.7 mm	0.30	0.30	83.4 deg	38.9 mm

27	2.9 deg	-0.1 deg	0.3 deg	0.6 mm	-1.0 mm	1.9 mm			72.4 deg	36.3 mm
37	4.4 deg	-2.4 deg	2.6 deg	0.1 mm	0.9 mm	0.4 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.3 deg	-0.2 deg	2.0 deg	-0.7 mm	0.3 mm	1.0 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	5.6 deg	-1.1 mm	-0.5 mm	1.9 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.0 deg	0.7 deg	4.2 deg	-1.0 mm	-1.0 mm	0.8 mm	0.20	0.20	82.2 deg	23.5 mm
33			3.9 deg	-1.4 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-9.8 deg	-3.2 deg	0.6 deg	-0.7 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-23.2 deg	-4.4 deg	4.2 deg	-0.3 mm	-0.3 mm	-0.8 mm	0.20	0.20	68.2 deg	15.4 mm
41	-7.1 deg	0.2 deg	1.8 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	32.5 deg	-0.3 deg	5.1 deg	0.2 mm	-0.4 mm	-1.2 mm	0.20	0.20	70.2 deg	16.9 mm
43	-11.6 deg	0.8 deg	3.2 deg	-0.9 mm	-0.6 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-11.9 deg	1.8 deg	22.0 deg	-0.7 mm	-0.8 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	15.7 deg	-1.8 deg	5.8 deg	-0.9 mm	-1.7 mm	1.4 mm	0.20	0.20	83.2 deg	25.3 mm
46	10.1 deg			-0.6 mm	-1.3 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-13.3 deg	1.7 deg	1.8 mm	0.7 mm	-0.9 mm			73.7 deg	36.8 mm

**Setup:**      **Subsetup35**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	15.6 deg	-3.5 deg	2.8 deg	-2.5 mm	0.2 mm	-2.2 mm			83.9 deg	37.1 mm
16	10.4 deg	-0.3 deg	-1.4 deg	-3.1 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.1 deg	0.4 deg	6.7 deg	-3.4 mm	1.0 mm	2.3 mm	0.20	0.20	73.1 deg	27.0 mm
14	-23.4 deg	1.5 deg	1.4 deg	-4.6 mm	0.9 mm	3.1 mm	0.20	0.20	76.2 deg	26.8 mm
13	-14.6 deg	-7.1 deg	-2.7 deg	-1.3 mm	1.1 mm	1.8 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.8 deg	-2.3 deg	-21.9 deg	-1.8 mm	0.0 mm	3.7 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.2 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	87.5 deg	23.8 mm
21	-10.3 deg	3.7 deg	-1.0 deg	-1.8 mm	-0.3 mm	1.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-23.2 deg	-8.0 deg	-13.6 deg	1.4 mm	-0.6 mm	3.3 mm	0.20	0.20	50.2 deg	19.0 mm
23	-23.3 deg	0.4 deg	-3.1 deg	-1.4 mm	0.1 mm	4.2 mm	0.20	0.20	86.2 deg	26.3 mm
24	-36.7 deg	-1.1 deg	-2.4 deg	2.1 mm	-1.3 mm	5.8 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.6 deg	0.2 deg	3.8 deg	-0.1 mm	-0.6 mm	4.1 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.4 deg	-3.0 deg	5.7 deg	0.7 mm	-1.2 mm	1.7 mm	0.30	0.30	83.4 deg	38.9 mm
27	3.0 deg	-0.1 deg	0.3 deg	0.6 mm	-1.0 mm	2.0 mm			72.4 deg	36.3 mm
37	4.5 deg	-2.5 deg	2.7 deg	0.1 mm	0.9 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.4 deg	-0.2 deg	2.1 deg	-0.8 mm	0.3 mm	1.0 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	5.7 deg	-1.2 mm	-0.6 mm	1.9 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.2 deg	0.8 deg	4.3 deg	-1.0 mm	-1.0 mm	0.9 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.0 deg	-1.4 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-10.0 deg	-3.3 deg	0.6 deg	-0.7 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-23.9 deg	-4.5 deg	4.3 deg	-0.4 mm	-0.3 mm	-0.9 mm	0.20	0.20	68.2 deg	15.4 mm
41	-7.3 deg	0.2 deg	1.8 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	33.5 deg	-0.4 deg	5.2 deg	0.2 mm	-0.4 mm	-1.3 mm	0.20	0.20	70.2 deg	16.9 mm
43	-11.9 deg	0.8 deg	3.3 deg	-0.9 mm	-0.6 mm	-0.5 mm	0.20	0.20	73.6 deg	21.4 mm
44	-12.2 deg	1.9 deg	22.7 deg	-0.8 mm	-0.8 mm	-0.5 mm	0.20	0.20	74.5 deg	23.6 mm
45	16.1 deg	-1.9 deg	6.0 deg	-0.9 mm	-1.8 mm	1.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	10.4 deg			-0.7 mm	-1.3 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-13.7 deg	1.7 deg	1.8 mm	0.8 mm	-0.9 mm			73.7 deg	36.8 mm



**Setup: Subsetup36**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	16.1 deg	-3.6 deg	2.9 deg	-2.5 mm	0.2 mm	-2.2 mm			83.9 deg	37.1 mm
16	10.7 deg	-0.3 deg	-1.4 deg	-3.2 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.3 deg	0.4 deg	6.9 deg	-3.5 mm	1.0 mm	2.4 mm	0.20	0.20	73.1 deg	27.0 mm
14	-24.1 deg	1.5 deg	1.4 deg	-4.8 mm	1.0 mm	3.2 mm	0.20	0.20	76.2 deg	26.8 mm
13	-15.0 deg	-7.3 deg	-2.8 deg	-1.3 mm	1.2 mm	1.8 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.8 deg	-2.3 deg	-22.5 deg	-1.9 mm	0.0 mm	3.8 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.3 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.8 mm	0.20	0.20	87.5 deg	23.8 mm
21	-10.6 deg	3.8 deg	-1.1 deg	-1.9 mm	-0.3 mm	1.2 mm	0.20	0.20	82.4 deg	23.9 mm
22	-23.9 deg	-8.3 deg	-14.0 deg	1.4 mm	-0.6 mm	3.4 mm	0.20	0.20	50.2 deg	19.0 mm
23	-24.0 deg	0.4 deg	-3.2 deg	-1.5 mm	0.1 mm	4.3 mm	0.20	0.20	86.2 deg	26.3 mm
24	-37.8 deg	-1.1 deg	-2.5 deg	2.2 mm	-1.3 mm	6.0 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.7 deg	0.2 deg	3.9 deg	-0.1 mm	-0.6 mm	4.2 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.5 deg	-3.0 deg	5.9 deg	0.8 mm	-1.2 mm	1.8 mm	0.30	0.30	83.4 deg	38.9 mm
27	3.0 deg	-0.1 deg	0.3 deg	0.7 mm	-1.0 mm	2.1 mm			72.4 deg	36.3 mm
37	4.6 deg	-2.6 deg	2.8 deg	0.1 mm	0.9 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.6 deg	-0.2 deg	2.2 deg	-0.8 mm	0.4 mm	1.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	5.9 deg	-1.2 mm	-0.6 mm	2.0 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.3 deg	0.8 deg	4.5 deg	-1.0 mm	-1.1 mm	0.9 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.2 deg	-1.4 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-10.3 deg	-3.4 deg	0.7 deg	-0.7 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-24.6 deg	-4.6 deg	4.5 deg	-0.4 mm	-0.3 mm	-0.9 mm	0.20	0.20	68.2 deg	15.4 mm
41	-7.5 deg	0.2 deg	1.9 deg	0.1 mm	0.0 mm	-0.1 mm	0.20	0.20	72.0 deg	16.0 mm
42	34.4 deg	-0.4 deg	5.4 deg	0.2 mm	-0.4 mm	-1.3 mm	0.20	0.20	70.2 deg	16.9 mm
43	-12.3 deg	0.8 deg	3.4 deg	-0.9 mm	-0.6 mm	-0.6 mm	0.20	0.20	73.6 deg	21.4 mm
44	-12.6 deg	2.0 deg	23.3 deg	-0.8 mm	-0.8 mm	-0.6 mm	0.20	0.20	74.5 deg	23.6 mm
45	16.6 deg	-1.9 deg	6.1 deg	-0.9 mm	-1.8 mm	1.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	10.7 deg			-0.7 mm	-1.3 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-14.1 deg	1.8 deg	1.9 mm	0.8 mm	-1.0 mm			73.7 deg	36.8 mm

**Setup: Subsetup37**

Tooth Number	Rotation	Angulation	Inclination	Left/ Right	Extrusion/ Intrusion	Forward/ Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	16.5 deg	-3.7 deg	3.0 deg	-2.6 mm	0.2 mm	-2.3 mm			83.9 deg	37.1 mm
16	11.0 deg	-0.3 deg	-1.5 deg	-3.3 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.4 deg	0.4 deg	7.1 deg	-3.6 mm	1.0 mm	2.4 mm	0.20	0.20	73.1 deg	27.0 mm
14	-24.7 deg	1.6 deg	1.4 deg	-4.9 mm	1.0 mm	3.3 mm	0.20	0.20	76.2 deg	26.8 mm
13	-15.4 deg	-7.5 deg	-2.8 deg	-1.3 mm	1.2 mm	1.9 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.8 deg	-2.4 deg	-23.1 deg	-1.9 mm	0.0 mm	3.9 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.4 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.9 mm	0.20	0.20	87.5 deg	23.8 mm
21	-10.9 deg	3.9 deg	-1.1 deg	-1.9 mm	-0.3 mm	1.3 mm	0.20	0.20	82.4 deg	23.9 mm
22	-24.5 deg	-8.6 deg	-14.3 deg	1.5 mm	-0.6 mm	3.5 mm	0.20	0.20	50.2 deg	19.0 mm
23	-24.7 deg	0.4 deg	-3.3 deg	-1.5 mm	0.1 mm	4.4 mm	0.20	0.20	86.2 deg	26.3 mm
24	-38.8 deg	-1.2 deg	-2.5 deg	2.3 mm	-1.3 mm	6.1 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.7 deg	0.2 deg	4.0 deg	-0.1 mm	-0.6 mm	4.3 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.7 deg	-3.1 deg	6.0 deg	0.8 mm	-1.2 mm	1.8 mm	0.30	0.30	83.4 deg	38.9 mm



27	3.1 deg	-0.1 deg	0.3 deg	0.7 mm	-1.0 mm	2.1 mm			72.4 deg	36.3 mm
37	4.8 deg	-2.6 deg	2.9 deg	0.1 mm	0.9 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.7 deg	-0.2 deg	2.2 deg	-0.8 mm	0.4 mm	1.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.3 deg	6.1 deg	-1.2 mm	-0.6 mm	2.0 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.5 deg	0.8 deg	4.6 deg	-1.0 mm	-1.1 mm	0.9 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.3 deg	-1.5 mm	-0.6 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-10.6 deg	-3.5 deg	0.7 deg	-0.7 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-25.3 deg	-4.7 deg	4.6 deg	-0.4 mm	-0.3 mm	-0.9 mm	0.20	0.20	68.2 deg	15.4 mm
41	-7.7 deg	0.3 deg	1.9 deg	0.1 mm	0.0 mm	-0.2 mm	0.20	0.20	72.0 deg	16.0 mm
42	35.4 deg	-0.5 deg	5.5 deg	0.2 mm	-0.4 mm	-1.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-12.6 deg	0.8 deg	3.5 deg	-0.9 mm	-0.6 mm	-0.6 mm	0.20	0.20	73.6 deg	21.4 mm
44	-12.9 deg	2.2 deg	24.0 deg	-0.8 mm	-0.8 mm	-0.6 mm	0.20	0.20	74.5 deg	23.6 mm
45	17.1 deg	-2.0 deg	6.3 deg	-0.9 mm	-1.9 mm	1.5 mm	0.20	0.20	83.2 deg	25.3 mm
46	11.0 deg			-0.7 mm	-1.4 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-14.5 deg	1.8 deg	1.9 mm	0.8 mm	-1.0 mm			73.7 deg	36.8 mm

**Setup: Subsetup38**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circum-f erence
17	17.0 deg	-3.8 deg	3.0 deg	-2.7 mm	0.2 mm	-2.4 mm			83.9 deg	37.1 mm
16	11.3 deg	-0.3 deg	-1.5 deg	-3.4 mm	0.6 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.6 deg	0.4 deg	7.3 deg	-3.7 mm	1.0 mm	2.5 mm	0.20	0.20	73.1 deg	27.0 mm
14	-25.4 deg	1.6 deg	1.4 deg	-5.0 mm	1.0 mm	3.4 mm	0.20	0.20	76.2 deg	26.8 mm
13	-15.9 deg	-7.7 deg	-2.9 deg	-1.4 mm	1.2 mm	1.9 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.9 deg	-2.5 deg	-23.8 deg	-2.0 mm	0.0 mm	4.0 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.5 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.9 mm	0.20	0.20	87.5 deg	23.8 mm
21	-11.2 deg	4.0 deg	-1.2 deg	-2.0 mm	-0.3 mm	1.3 mm	0.20	0.20	82.4 deg	23.9 mm
22	-25.2 deg	-8.9 deg	-14.6 deg	1.5 mm	-0.6 mm	3.6 mm	0.20	0.20	50.2 deg	19.0 mm
23	-25.3 deg	0.4 deg	-3.4 deg	-1.5 mm	0.1 mm	4.5 mm	0.20	0.20	86.2 deg	26.3 mm
24	-39.9 deg	-1.3 deg	-2.6 deg	2.4 mm	-1.4 mm	6.3 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.8 deg	0.2 deg	4.1 deg	-0.1 mm	-0.6 mm	4.4 mm	0.20	0.20	82.9 deg	26.6 mm
26	5.8 deg	-3.2 deg	6.2 deg	0.8 mm	-1.3 mm	1.9 mm	0.30	0.30	83.4 deg	38.9 mm
27	3.2 deg	-0.1 deg	0.3 deg	0.7 mm	-1.1 mm	2.2 mm			72.4 deg	36.3 mm
37	4.9 deg	-2.7 deg	2.9 deg	0.1 mm	1.0 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	5.9 deg	-0.2 deg	2.3 deg	-0.8 mm	0.4 mm	1.1 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.4 deg	6.2 deg	-1.3 mm	-0.6 mm	2.1 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.7 deg	0.9 deg	4.7 deg	-1.1 mm	-1.1 mm	0.9 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.4 deg	-1.5 mm	-0.7 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-10.9 deg	-3.6 deg	0.7 deg	-0.8 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-26.0 deg	-4.8 deg	4.8 deg	-0.4 mm	-0.3 mm	-0.9 mm	0.20	0.20	68.2 deg	15.4 mm
41	-7.9 deg	0.3 deg	2.0 deg	0.1 mm	0.0 mm	-0.2 mm	0.20	0.20	72.0 deg	16.0 mm
42	36.4 deg	-0.5 deg	5.7 deg	0.2 mm	-0.4 mm	-1.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-12.9 deg	0.9 deg	3.6 deg	-1.0 mm	-0.7 mm	-0.6 mm	0.20	0.20	73.6 deg	21.4 mm
44	-13.3 deg	2.3 deg	24.6 deg	-0.8 mm	-0.9 mm	-0.6 mm	0.20	0.20	74.5 deg	23.6 mm
45	17.5 deg	-2.1 deg	6.4 deg	-1.0 mm	-1.9 mm	1.6 mm	0.20	0.20	83.2 deg	25.3 mm
46	11.3 deg			-0.7 mm	-1.4 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-14.9 deg	1.9 deg	2.0 mm	0.8 mm	-1.0 mm			73.7 deg	36.8 mm

**Setup: Subsetup39**

Tooth Number	Rotation	Angulation	Inclination	Left/Right	Extrusion/Intrusion	Forward/Backward	IPR Distal (mm)	IPR Mesial (mm)	Long Axis	Circumference
17	17.4 deg	-3.9 deg	3.1 deg	-2.7 mm	0.2 mm	-2.4 mm			83.9 deg	37.1 mm
16	11.6 deg	-0.3 deg	-1.5 deg	-3.5 mm	0.7 mm	-0.2 mm	0.30	0.30	85.2 deg	39.5 mm
15	-5.7 deg	0.5 deg	7.5 deg	-3.8 mm	1.1 mm	2.6 mm	0.20	0.20	73.1 deg	27.0 mm
14	-26.1 deg	1.7 deg	1.5 deg	-5.1 mm	1.0 mm	3.5 mm	0.20	0.20	76.2 deg	26.8 mm
13	-16.3 deg	-7.9 deg	-2.9 deg	-1.4 mm	1.3 mm	2.0 mm	0.20	0.20	75.0 deg	25.6 mm
12	0.9 deg	-2.5 deg	-24.4 deg	-2.0 mm	-0.1 mm	4.1 mm	0.20	0.20	49.5 deg	19.3 mm
11	-3.5 deg	0.4 deg	-0.1 deg	-0.2 mm	-0.1 mm	0.9 mm	0.20	0.20	87.5 deg	23.8 mm
21	-11.5 deg	4.1 deg	-1.2 deg	-2.0 mm	-0.4 mm	1.4 mm	0.20	0.20	82.4 deg	23.9 mm
22	-25.9 deg	-9.3 deg	-15.0 deg	1.6 mm	-0.7 mm	3.7 mm	0.20	0.20	50.2 deg	19.0 mm
23	-26.0 deg	0.3 deg	-3.5 deg	-1.5 mm	0.1 mm	4.6 mm	0.20	0.20	86.2 deg	26.3 mm
24	-40.9 deg	-1.3 deg	-2.7 deg	2.5 mm	-1.4 mm	6.4 mm	0.20	0.20	83.9 deg	27.0 mm
25	-1.8 deg	0.2 deg	4.2 deg	-0.1 mm	-0.7 mm	4.6 mm	0.20	0.20	82.9 deg	26.6 mm
26	6.0 deg	-3.3 deg	6.3 deg	0.8 mm	-1.3 mm	1.9 mm	0.30	0.30	83.4 deg	38.9 mm
27	3.3 deg	-0.1 deg	0.4 deg	0.7 mm	-1.1 mm	2.2 mm			72.4 deg	36.3 mm
37	5.0 deg	-2.8 deg	3.0 deg	0.1 mm	1.0 mm	0.5 mm	0.30	0.30	70.5 deg	36.2 mm
36	6.1 deg	-0.3 deg	2.3 deg	-0.8 mm	0.4 mm	1.2 mm	0.35	0.35	71.6 deg	36.1 mm
35	0.4 deg	-0.4 deg	6.4 deg	-1.3 mm	-0.6 mm	2.1 mm	0.20	0.20	80.7 deg	25.2 mm
34	-6.9 deg	0.9 deg	4.8 deg	-1.1 mm	-1.1 mm	1.0 mm	0.20	0.20	82.2 deg	23.5 mm
33			4.5 deg	-1.6 mm	-0.7 mm	-0.2 mm	0.20	0.20	86.2 deg	22.6 mm
32	-11.2 deg	-3.7 deg	0.7 deg	-0.8 mm	0.0 mm	-0.1 mm	0.20	0.20	75.0 deg	16.4 mm
31	-26.6 deg	-4.9 deg	4.9 deg	-0.4 mm	-0.4 mm	-1.0 mm	0.20	0.20	68.2 deg	15.4 mm
41	-8.1 deg	0.3 deg	2.0 deg	0.2 mm	0.0 mm	-0.2 mm	0.20	0.20	72.0 deg	16.0 mm
42	37.3 deg	-0.6 deg	5.8 deg	0.2 mm	-0.4 mm	-1.4 mm	0.20	0.20	70.2 deg	16.9 mm
43	-13.3 deg	0.9 deg	3.6 deg	-1.0 mm	-0.7 mm	-0.6 mm	0.20	0.20	73.6 deg	21.4 mm
44	-13.7 deg	2.5 deg	25.2 deg	-0.9 mm	-0.9 mm	-0.6 mm	0.20	0.20	74.5 deg	23.6 mm
45	18.0 deg	-2.2 deg	6.6 deg	-1.0 mm	-2.0 mm	1.6 mm	0.20	0.20	83.2 deg	25.3 mm
46	11.6 deg			-0.7 mm	-1.5 mm	0.3 mm			81.9 deg	37.6 mm
47	-0.2 deg	-15.3 deg	1.9 deg	2.0 mm	0.9 mm	-1.1 mm			73.7 deg	36.8 mm