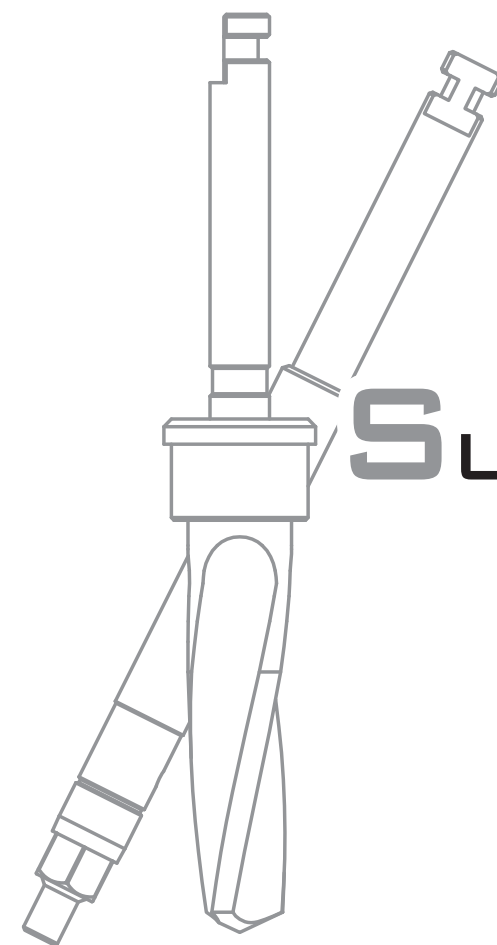




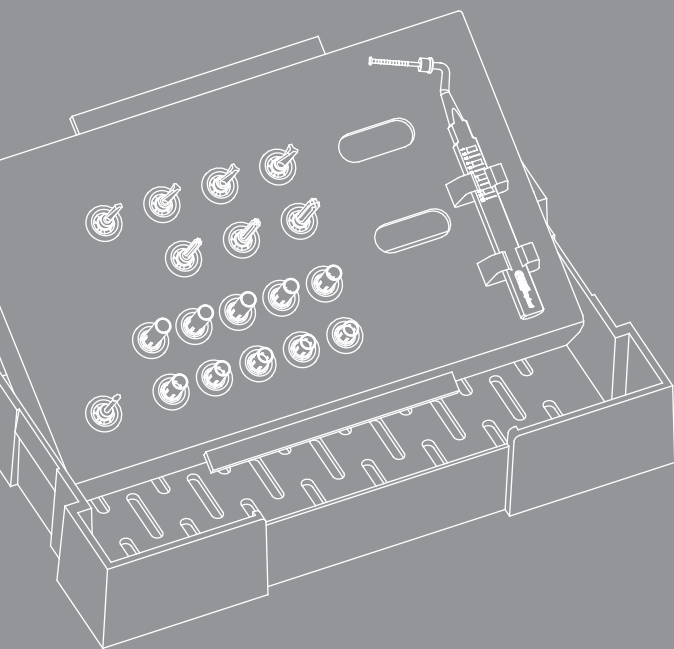
CSM Implant

47, Gyeongdae-ro17-gil, Buk-gu, Daegu, Korea
(Bokhyeon-dong, B205, B201 Techno B/D, Kyung-Pook National Univ.)
Tel : +82-53-952-8261 Fax : +82-53-958-8261

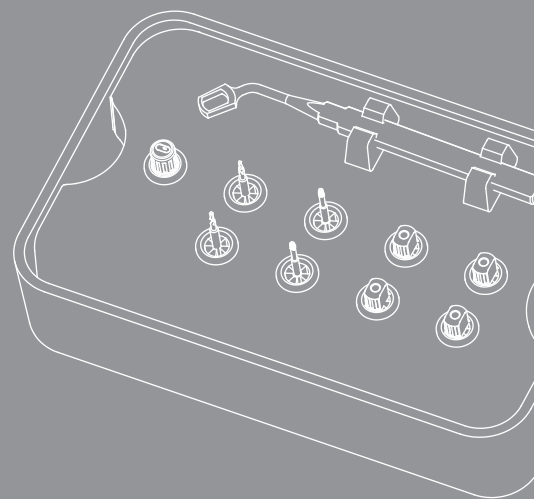
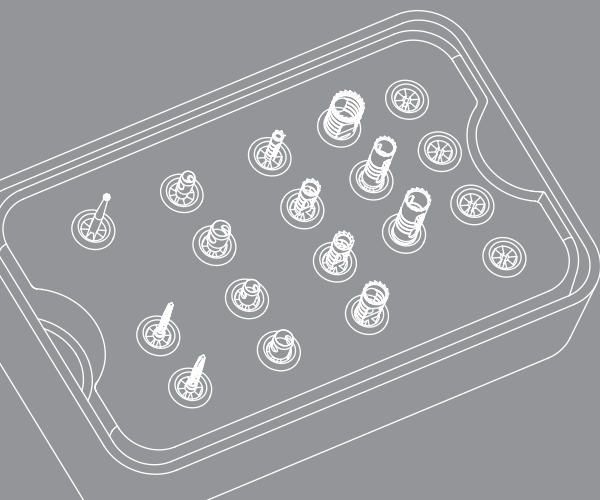
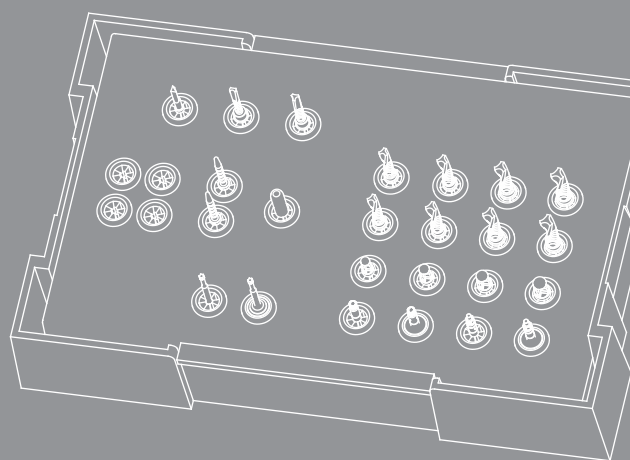
SM-Rev01_AF/01



SURGICAL KIT & MANUAL



CSM Implant



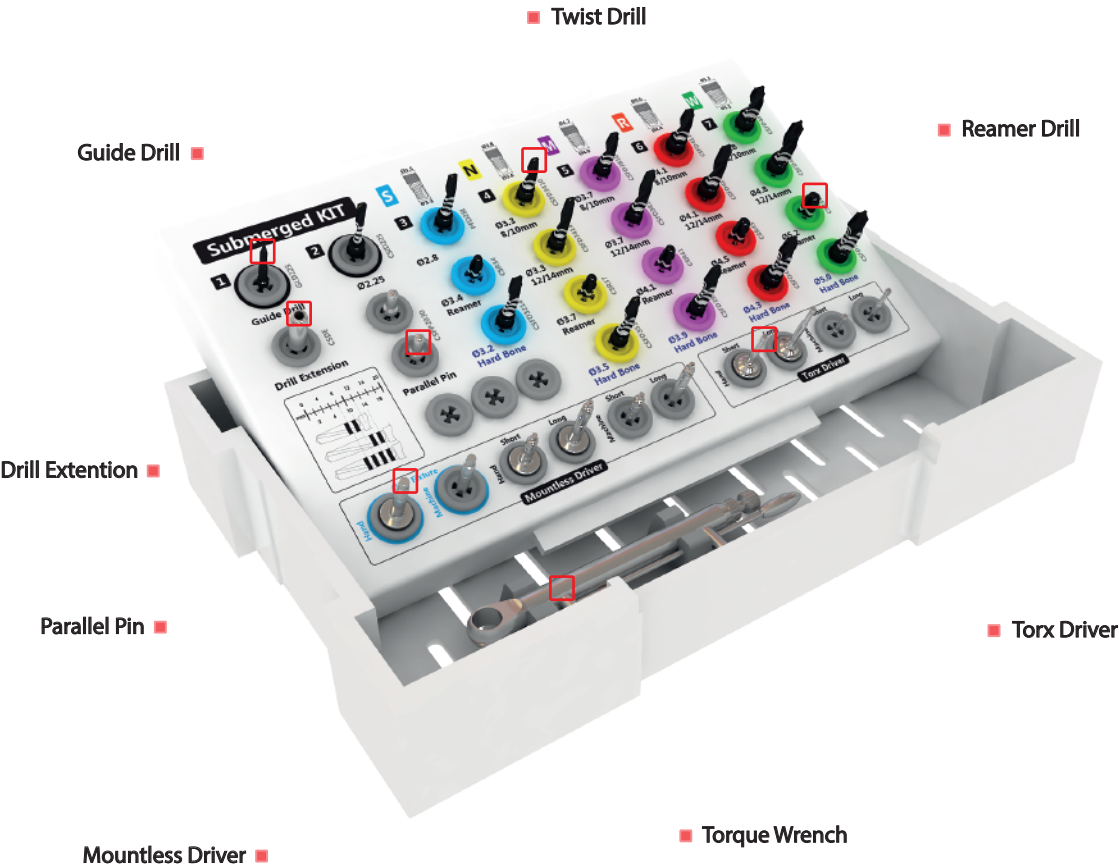
Contents

Submerged KIT	P04
Submerged KIT Drilling Sequence	P08
Submerged II KIT	P18
Submerged II KIT Drilling Sequence	P22
Submerged III KIT	P30
Submerged III KIT Drilling Sequence	P32
Submerged D - KIT (Dummy)	P40
Submerged U - KIT (Ultra)	P41
P - KIT (Prosthetic)	P42
A - KIT (Aid)	P43
R - KIT (Screw Remover)	P44
I - KIT (Crestal Sinus)	P46
Implant Surgical Instrument Set	P48

Submerged KIT

04

Submerged



Features

Twist Drill

Unit : mm

14
12
10
08
00
0.8

13
11
09
07

Reamer

Hard Bone

Medium Bone

CSM Implant Submerged

Torx Type

Torx Type

Direction Point

Direction Point

Indicate Color Paint

- Blue : Ø3.5 Fixture
- Yellow : Ø3.8 Fixture
- Purple : Ø4.2 Fixture
- Red : Ø4.6 Fixture
- Green : Ø5.3 Fixture

05

Submerged

Component

No	Part Name	Picture	Diameter (Ø)	Length(mm)	Pro' Code
1	Guide Drill		2.25	34	CSGD225
2	Initial Drill		2.25	36	CSID225
3	Twist Drill		2.8	36	PFD28I
4	Twist Drill (8/10/12/14mm)		3.2	36	CSFD3214
5	Twist Drill (8/10mm)		3.3	32	CSFD3410
6	Twist Drill (12/14mm)		3.3	36	CSFD3414
7	Twist Drill (8/10/12/14mm)		3.5	36	CSFD3514
8	Twist Drill (8/10mm)		3.7	32	CSFD3810
9	Twist Drill (12/14mm)		3.7	36	CSFD3814
10	Twist Drill (8/10/12/14mm)		3.9	36	CSFD3914
11	Twist Drill (8/10mm)		4.1	32	CSFD4110
12	Twist Drill (12/14mm)		4.1	36	CSFD4114
13	Twist Drill (8/10/12/14mm)		4.3	36	CSFD4314
14	Twist Drill (8/10mm)		4.8	32	CSFD4810
15	Twist Drill (12/14mm)		4.8	36	CSFD4814
16	Twist Drill (8/10/12/14mm)		5.0	36	CSFD5014

Component

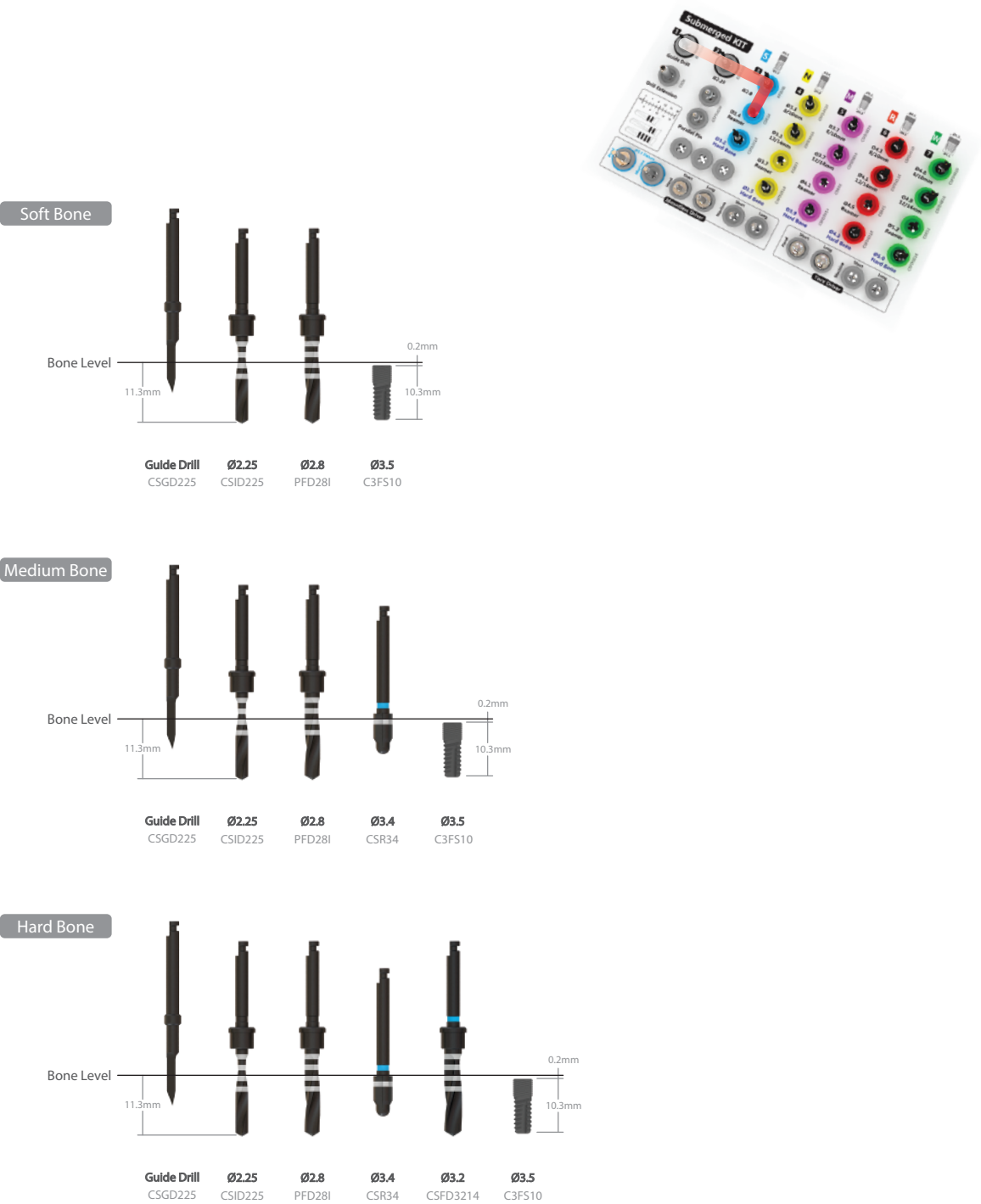
No	Part Name	Picture	Type	Length(mm)	Pro' Code
17	Reamer (Small)		3.4	27	CSR34
18	Reamer (Narrow)		3.7	27	CSR37
19	Reamer (Medium)		4.1	27	CSR41
20	Reamer (Regular)		4.5	27	CSR45
21	Reamer (Wide)		5.2	27	CSR52
22	Mountless Driver (2.1 Double Hex)		Hand	24	MDH14-21
23	Mountless Driver (2.1 Double Hex)		Machine	31	MDM14-21
24	Mountless Driver (2.5 Hex)		Hand (Short)	20	MDH08-25
25	Mountless Driver (2.5 Hex)		Hand (Long)	26	MDH14-25
26	Mountless Driver (2.5 Hex)		Machine (Short)	27	MDM08-25
27	Mountless Driver (2.5 Hex)		Machine (Long)	33	MDM14-25
28	Torx Driver		Hand (Short)	21	TDH13
29	Torx Driver		Hand (Long)	26	TDH18
30	Torx Driver		Machine (Short)	22	TDM08
31	Torx Driver		Machine (Long)	32	TDM18
32	Drill Extension		Machine	27	CSDE
33	Parallel Pin		Hand	26	CSPP2030
34	Torque Wrench		Hand	85	TWI/RWI

Ø3.5 x 10mm Fixture - Drilling Sequence

Ø3.5 x 14mm Fixture - Drilling Sequence

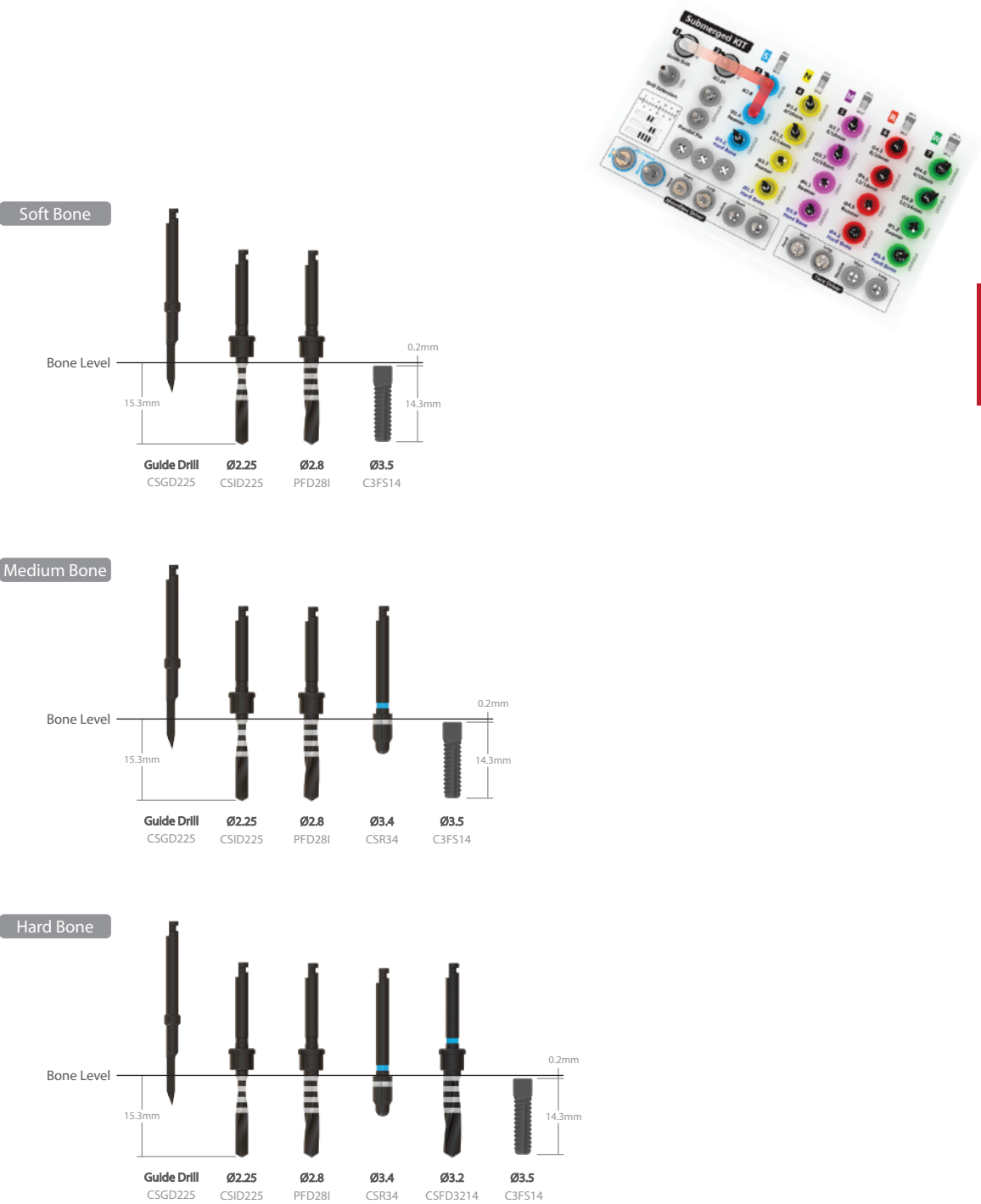
08

Submerged



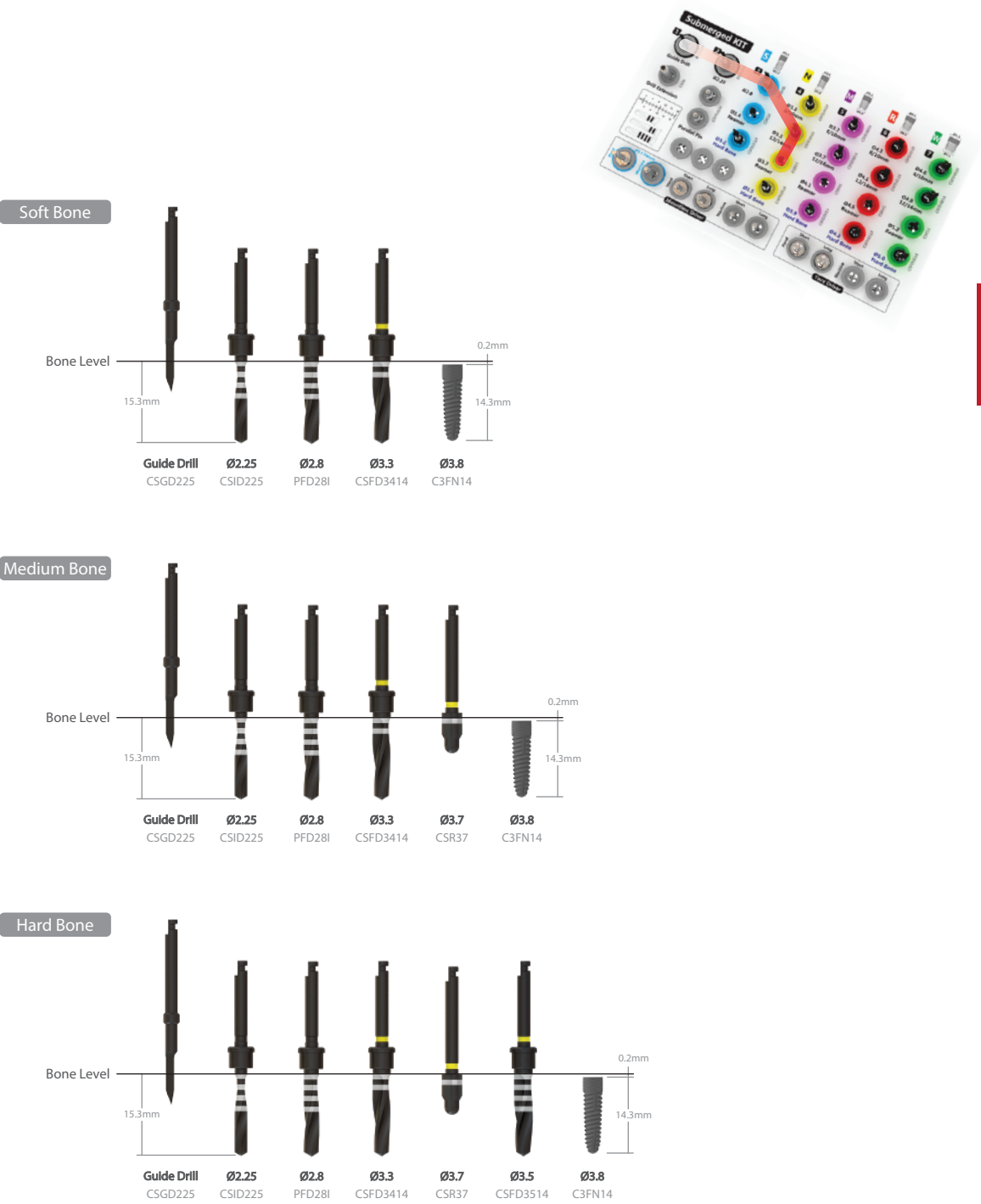
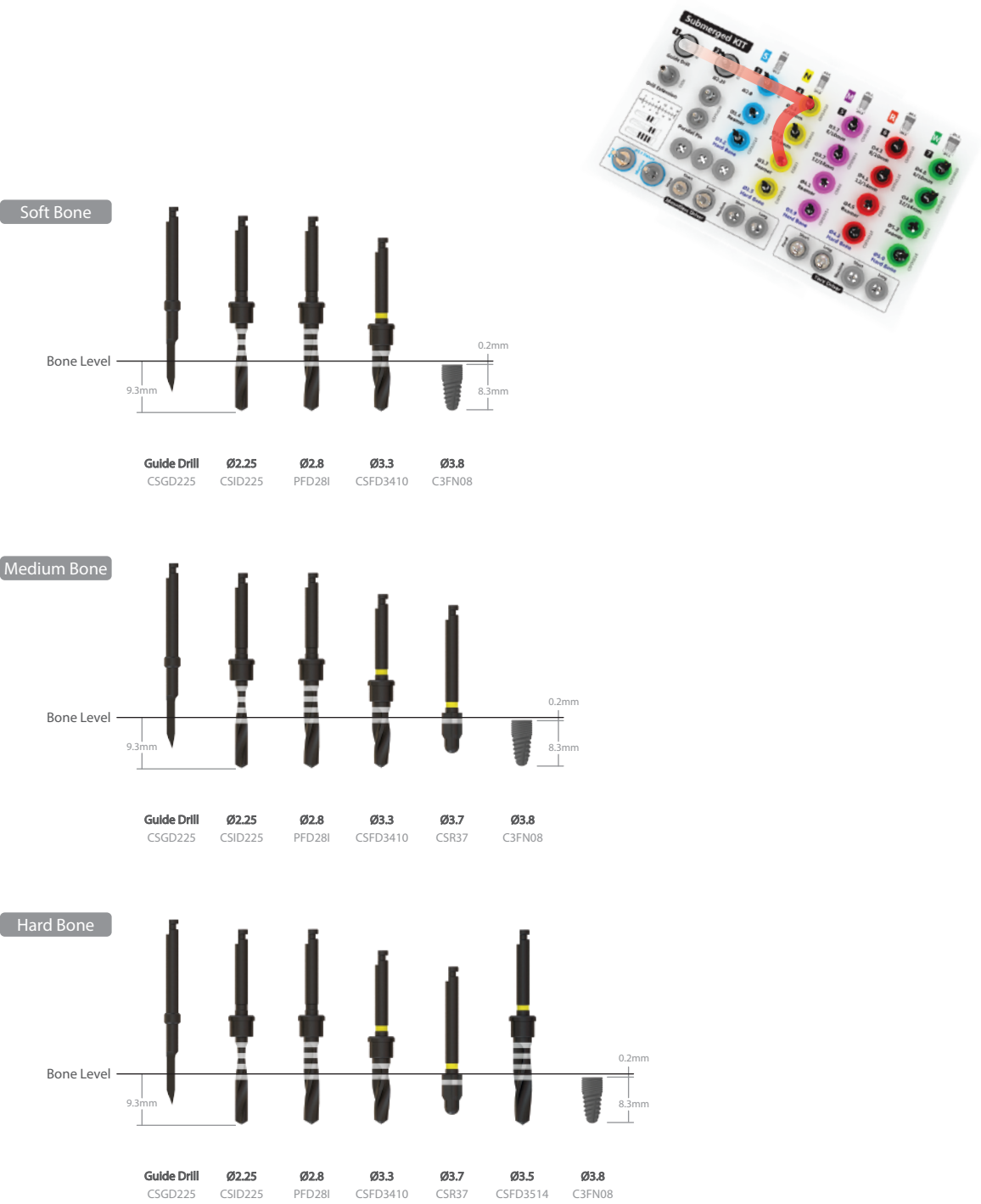
09

Submerged



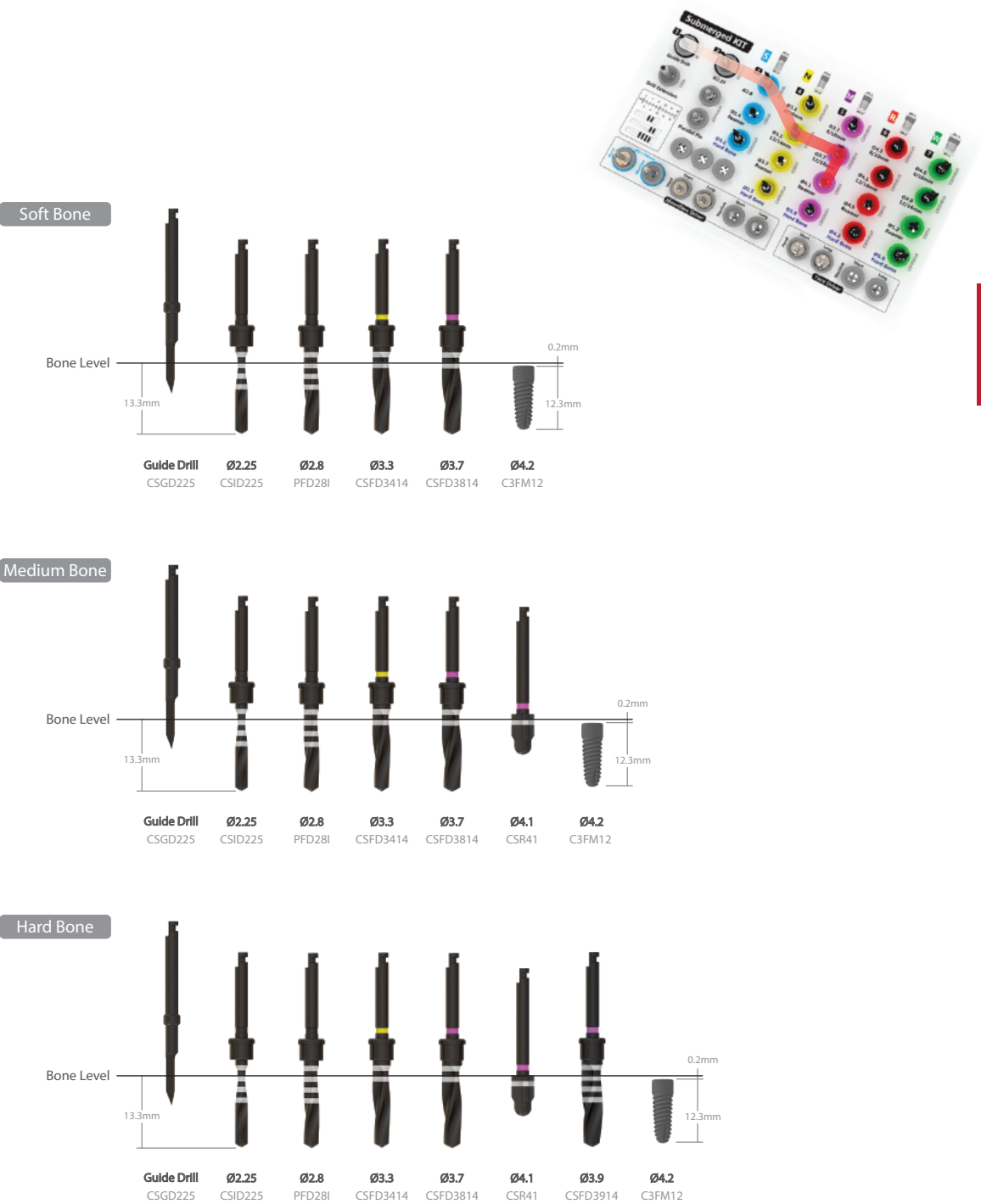
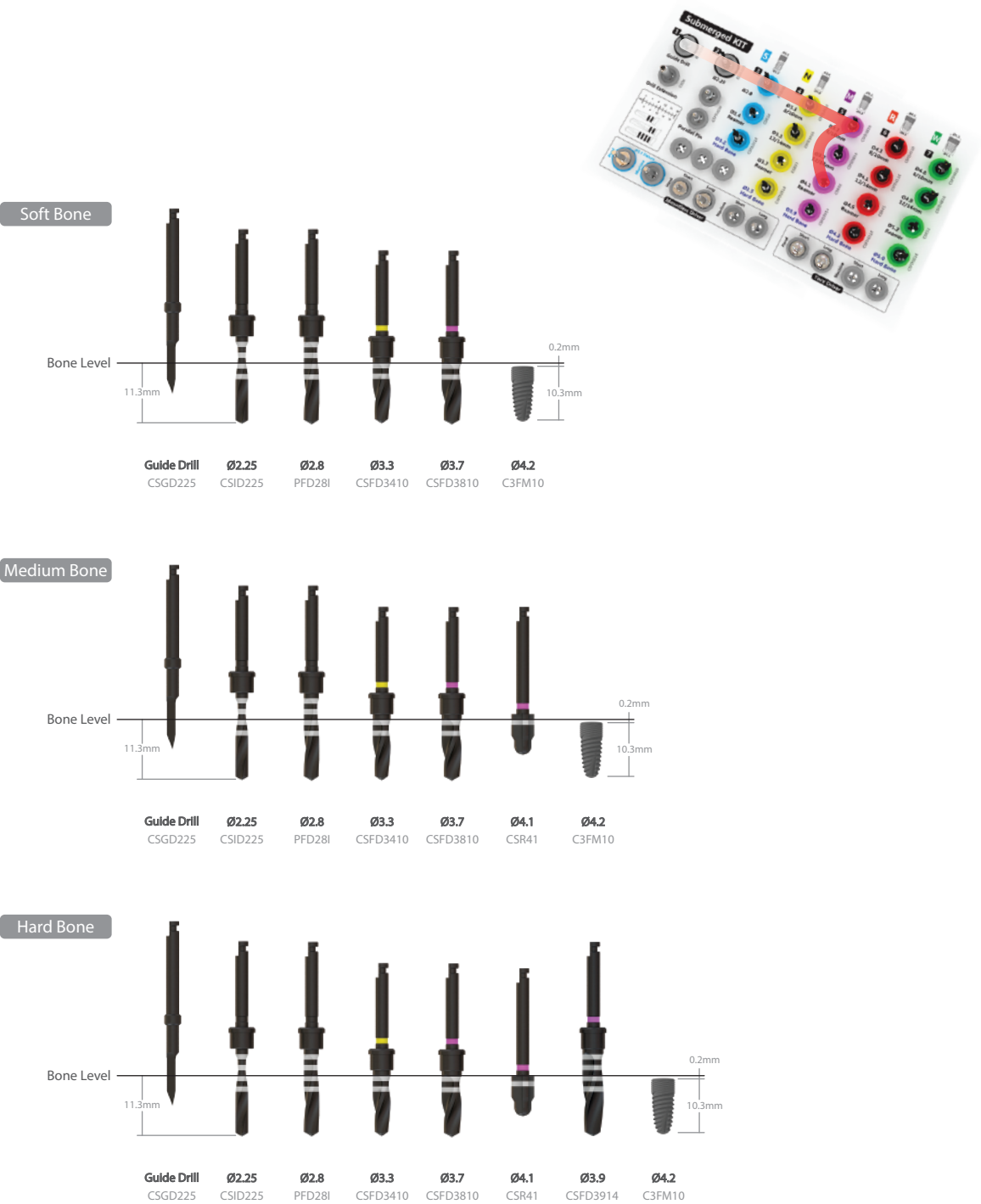
Ø3.8 x 8mm Fixture - Drilling Sequence

Ø3.8 x 14mm Fixture - Drilling Sequence



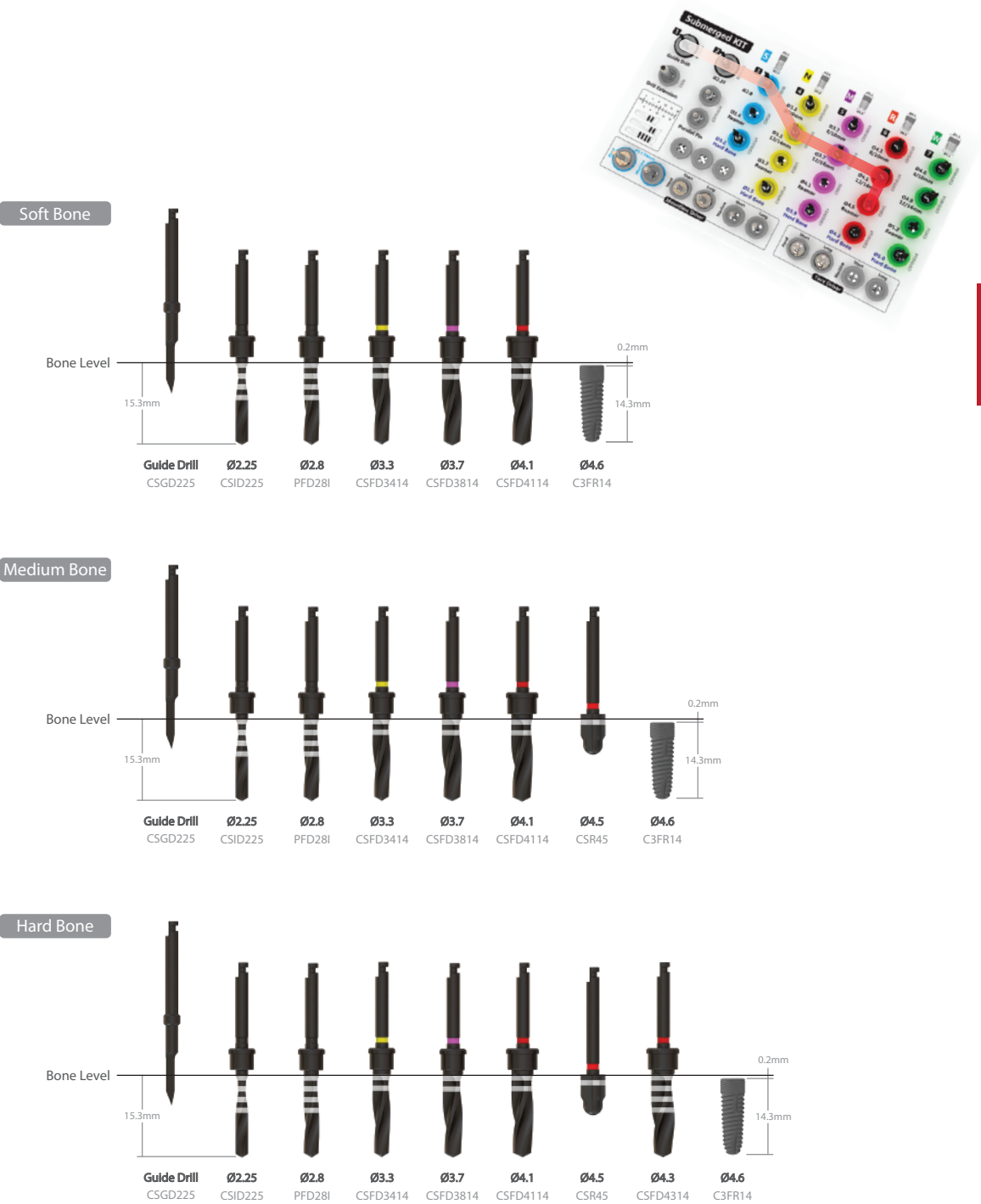
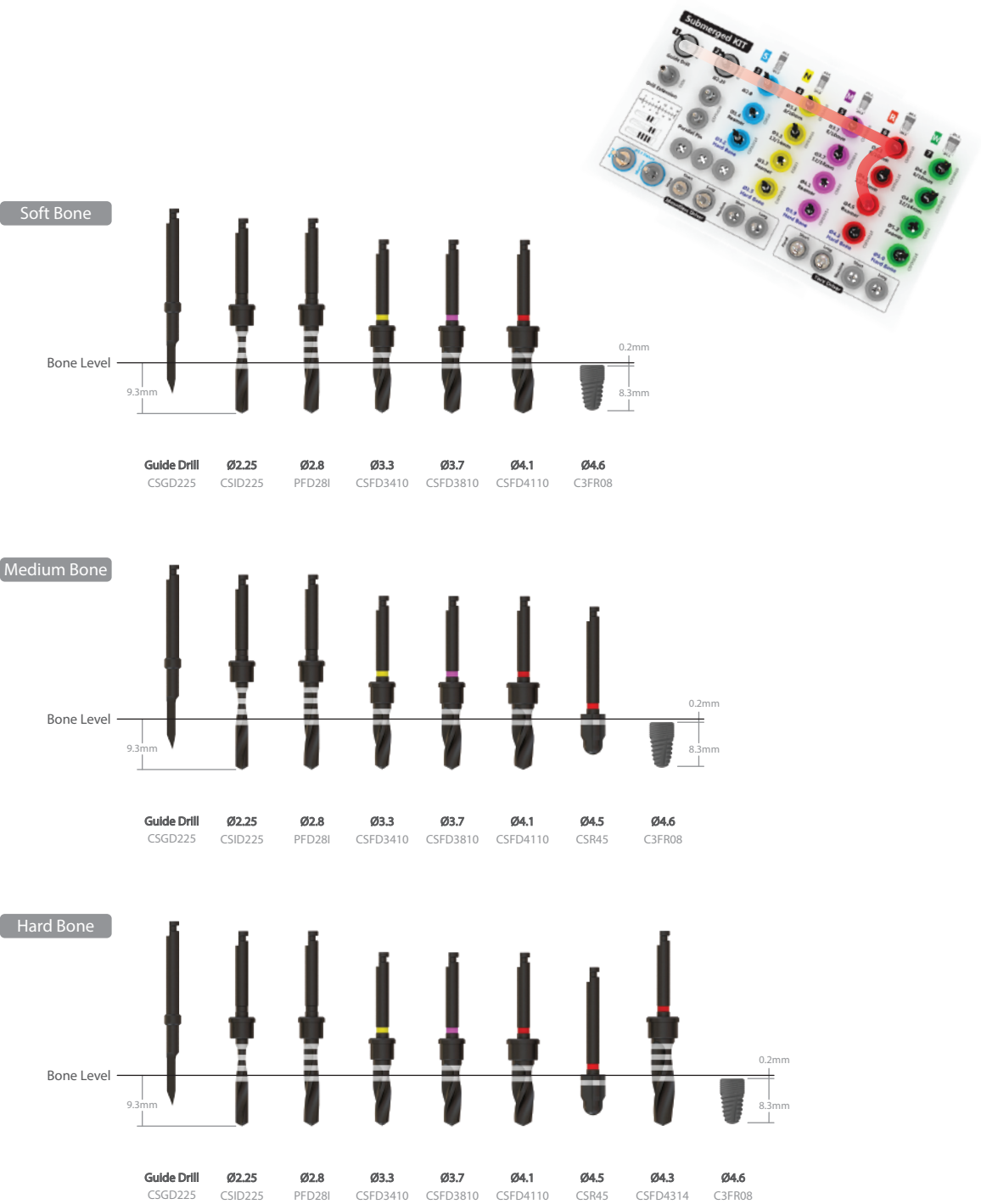
Ø4.2 x 10mm Fixture - Drilling Sequence

Ø4.2 x 12mm Fixture - Drilling Sequence



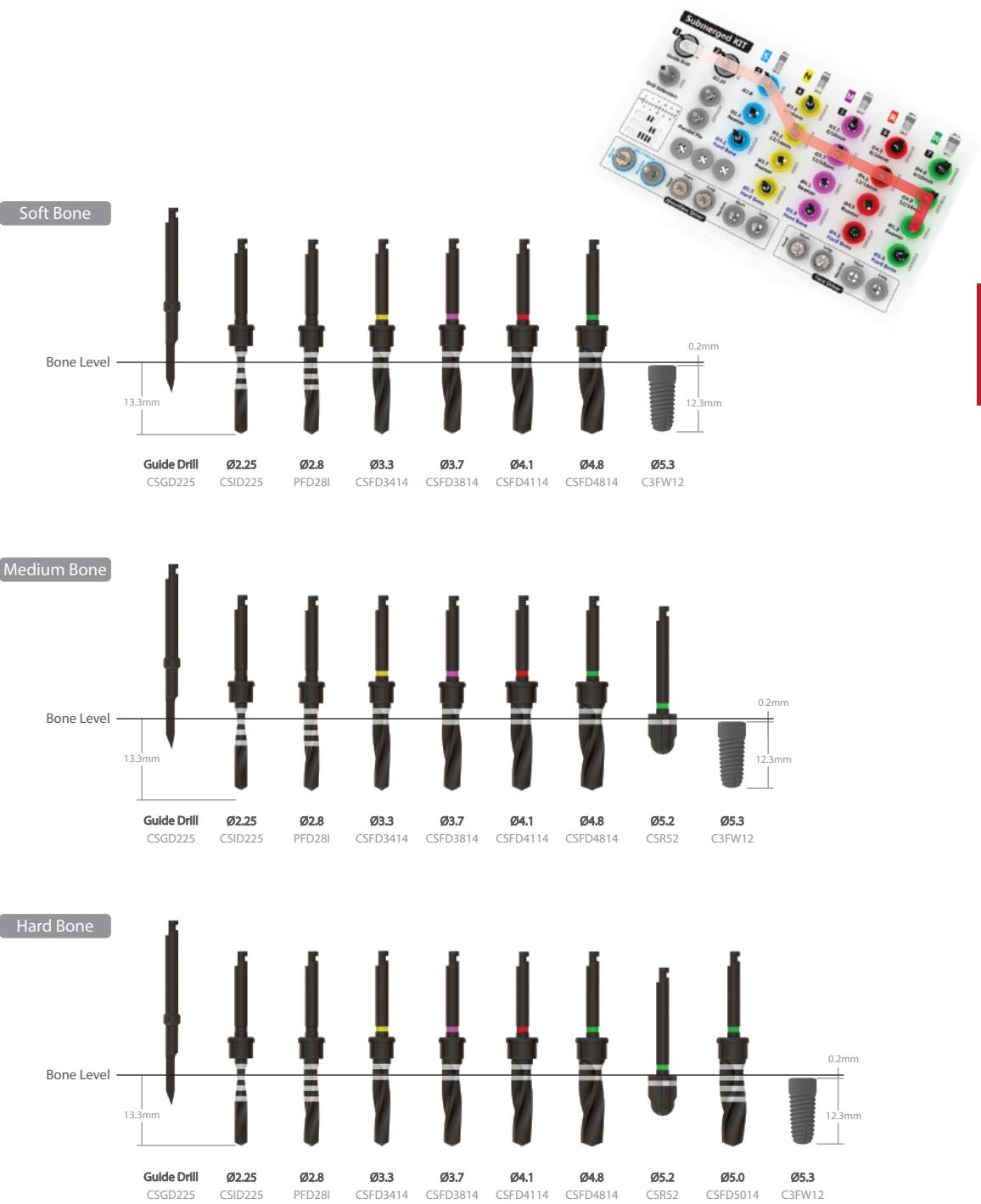
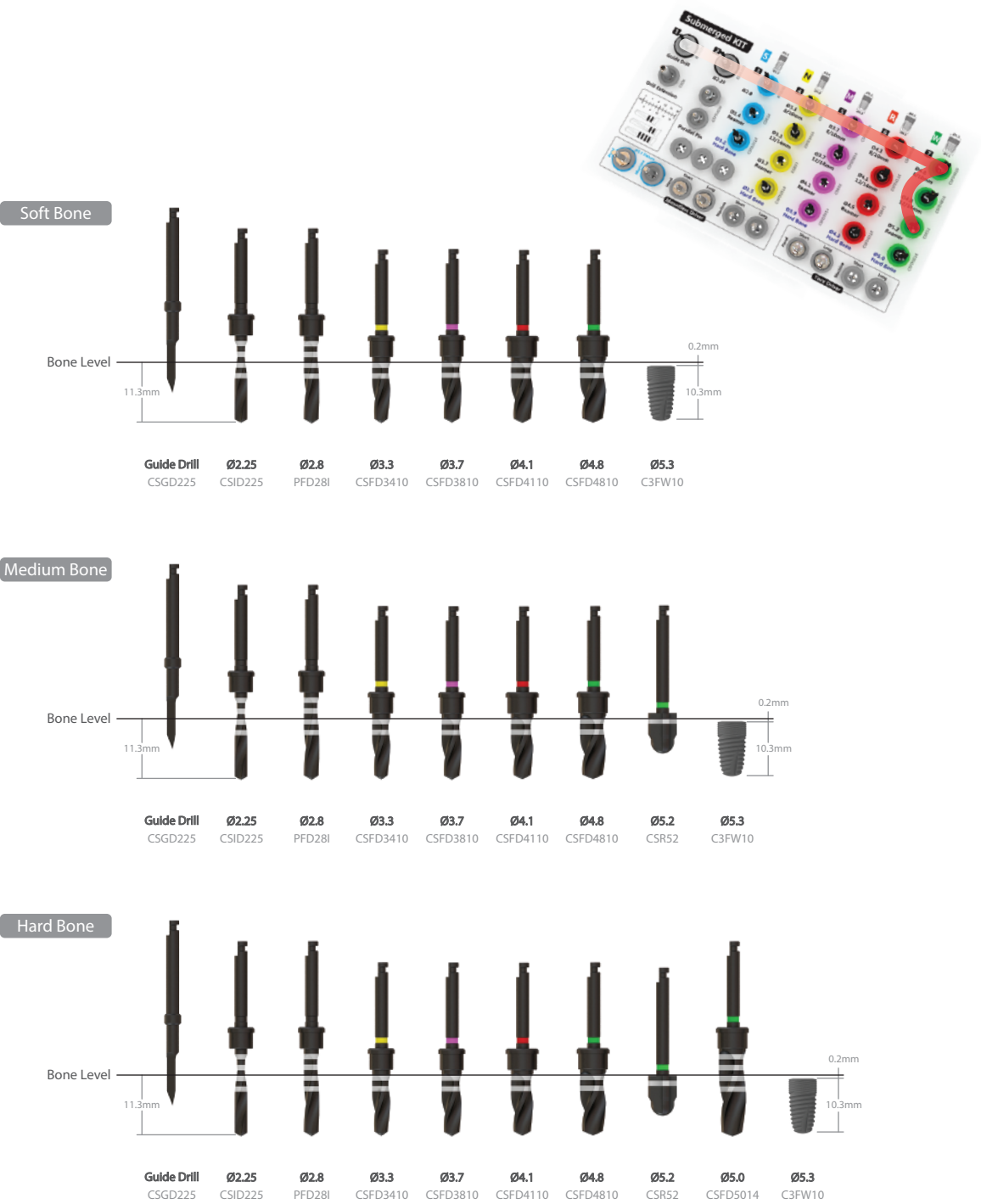
Ø4.6 x 8mm Fixture - Drilling Sequence

Ø4.6 x 14mm Fixture - Drilling Sequence



Ø5.3 x 10mm Fixture - Drilling Sequence

Ø5.3 x 12mm Fixture - Drilling Sequence



18 Submerged II



19 Submerged II



Component

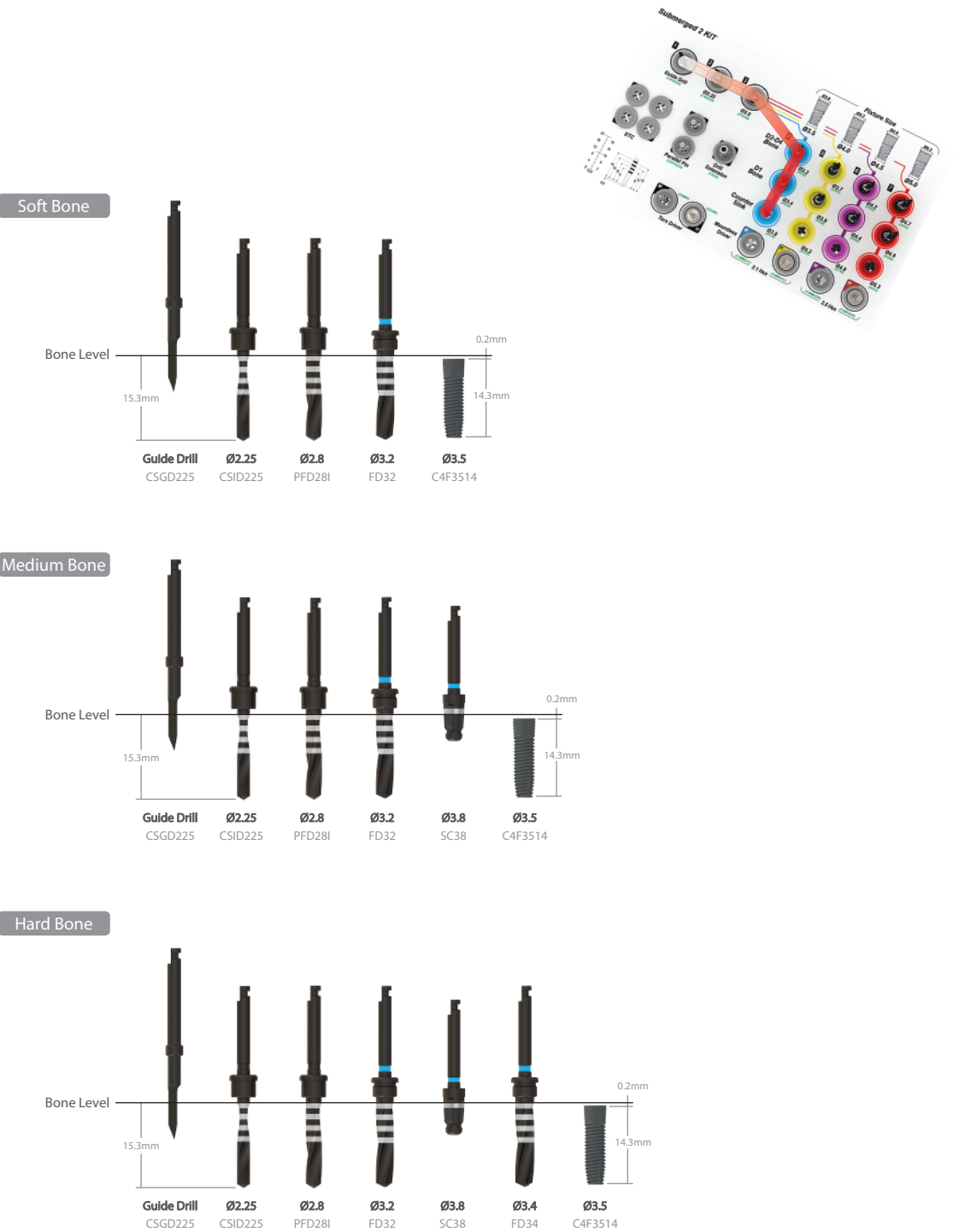
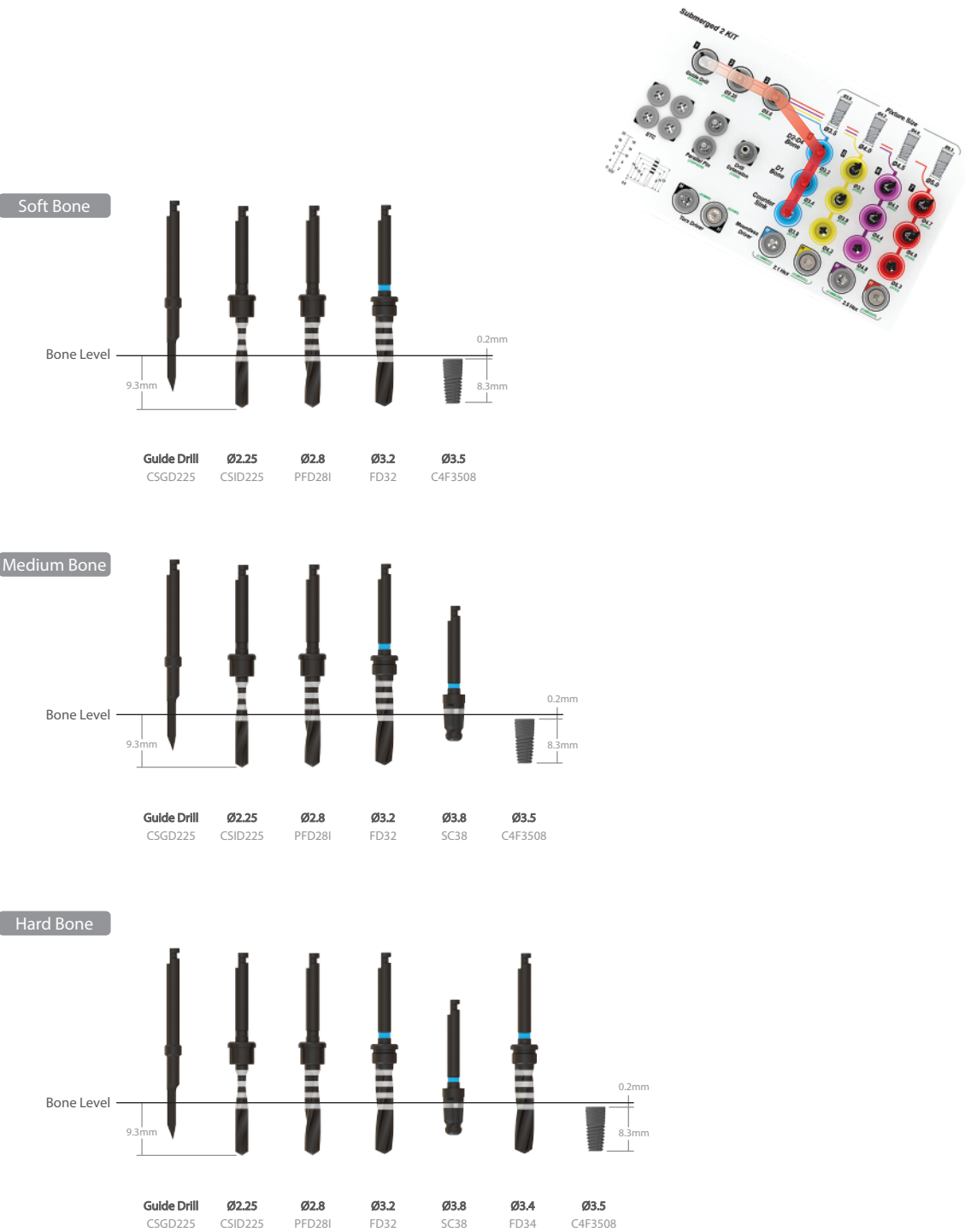
No	Part Name	Picture	Diameter (Ø)	Length(mm)	Pro' Code
1	Guide Drill		2.25	34	CSGD225
2	Initial Drill		2.25	36	CSID225
3	Twist Drill		2.8	36	PFD28I
4	Twist Drill		3.2	36	FD32
5	Twist Drill		3.4	36	FD34
6	Twist Drill		3.7	36	FD37
7	Twist Drill		3.9	36	FD39
8	Twist Drill		4.2	36	FD42
9	Twist Drill		4.4	36	FD44
10	Twist Drill		4.7	36	FD47
11	Twist Drill		4.9	36	FD49
12	Countersink		3.8	24.5	SC38
13	Countersink		4.3	24.5	SC43
14	Countersink		4.8	24.5	SC48
15	Countersink		5.3	24.5	SC53

Component

No	Part Name	Picture	Type	Length(mm)	Pro' Code
16	Mountless Driver (2.1 Double Hex)		Machine	31	MDM14-21
17	Mountless Driver (2.1 Double Hex)		Hand	24	MDH14-21
18	Mountless Driver (2.5 Hex)		Machine	33	MDM14-25
19	Mountless Driver (2.5 Hex)		Hand	26	MDH14-25
20	Torx Driver		Machine	32	TDM18
21	Torx Driver		Hand	26	TDH18
22	Parallel Pin		Hand	26	CSPP2030
23	Drill Extension		Machine	27	CSDE
24	Torque Wrench		Hand	85	TWI/RWI
25	Depth Gauge		Hand	75	CSDG

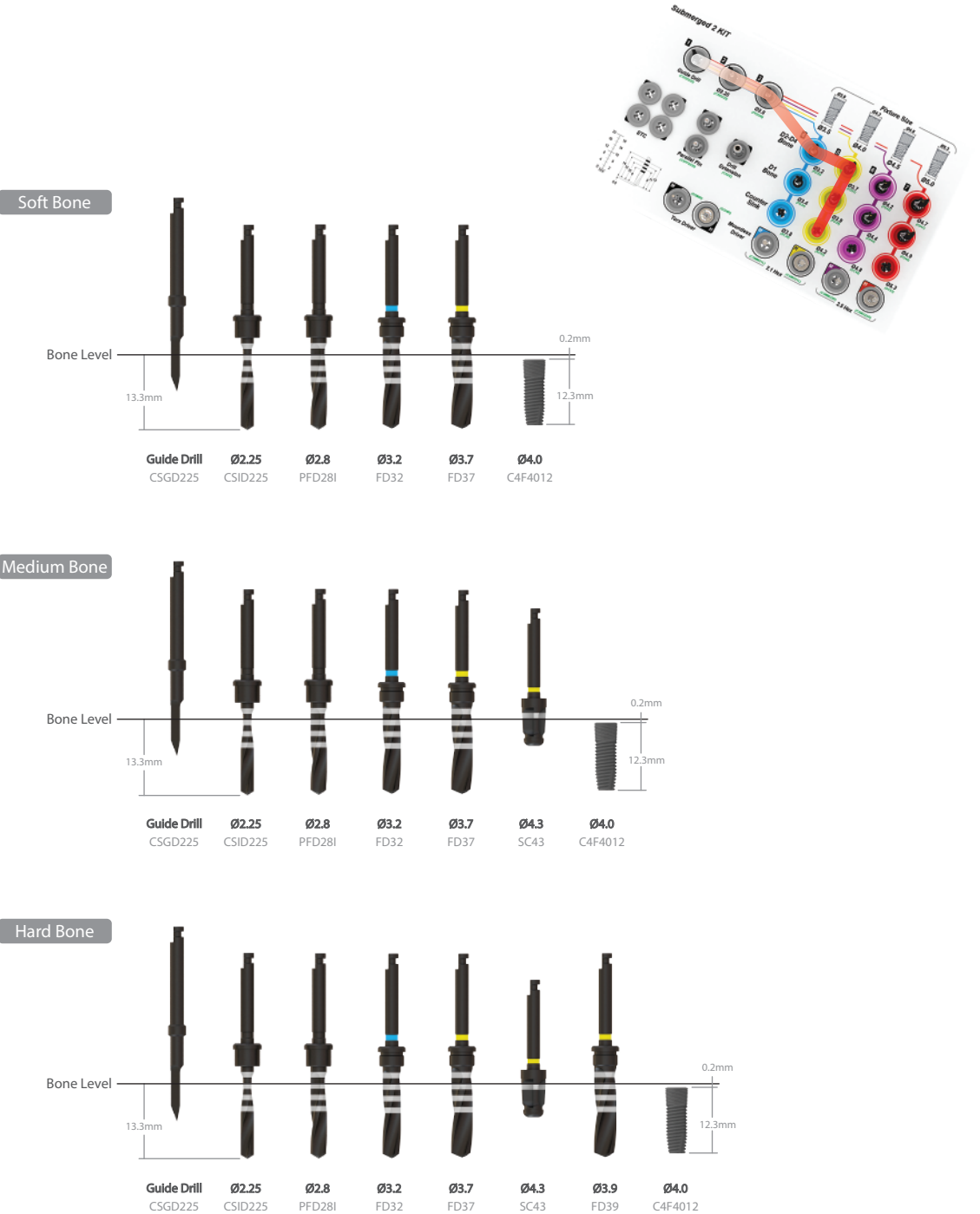
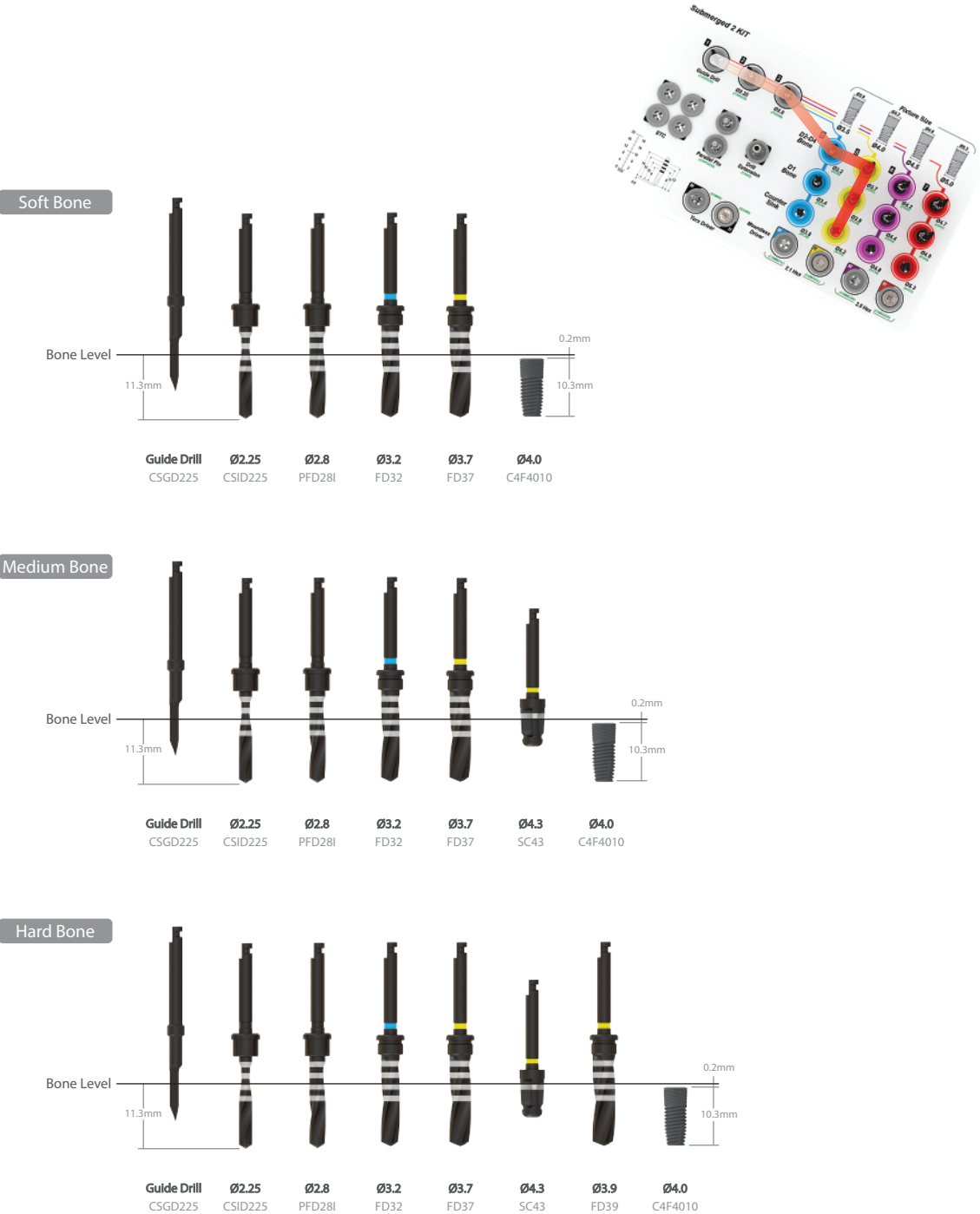
Ø3.5 x 8mm Fixture - Drilling Sequence

Ø3.5 x 14mm Fixture - Drilling Sequence



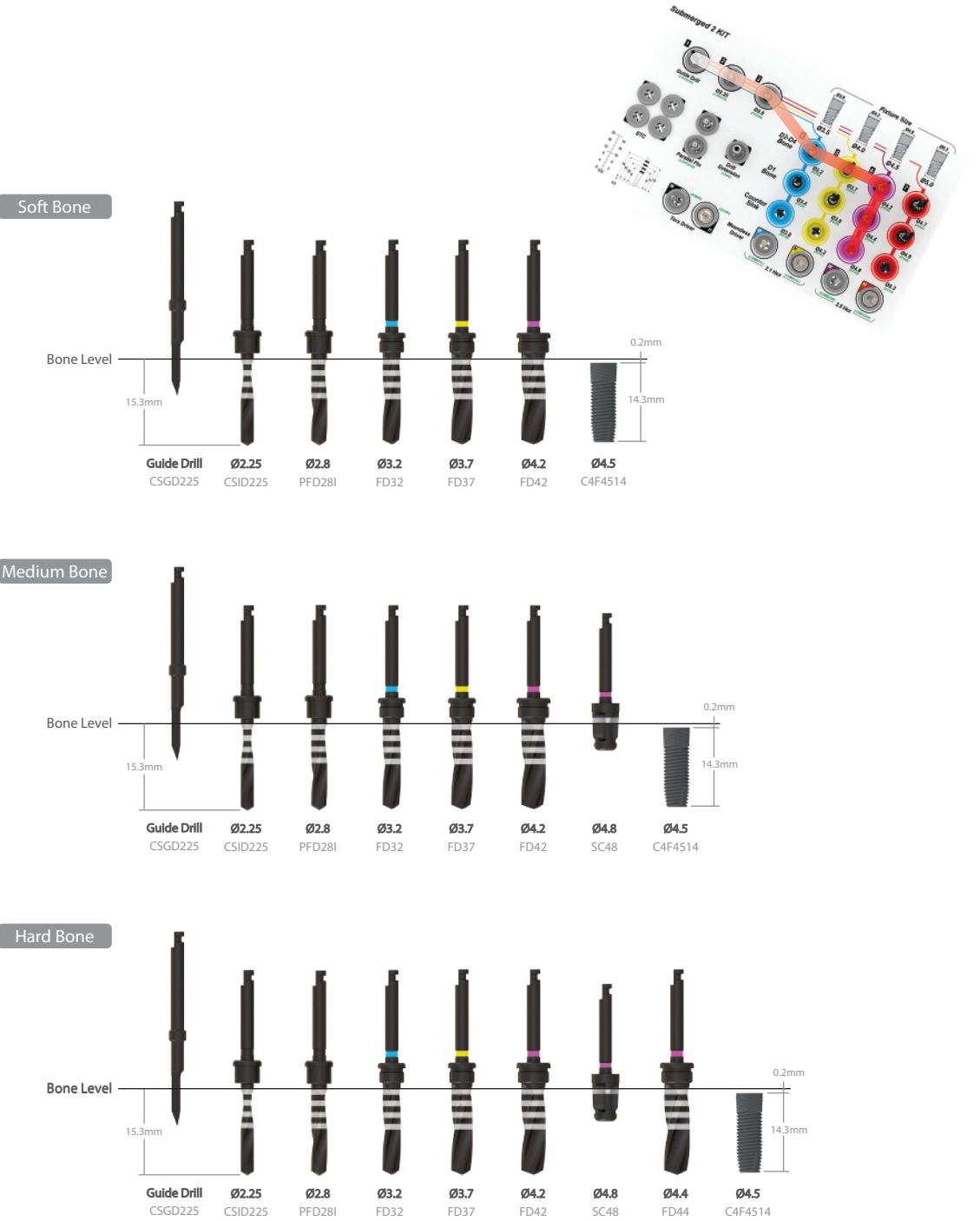
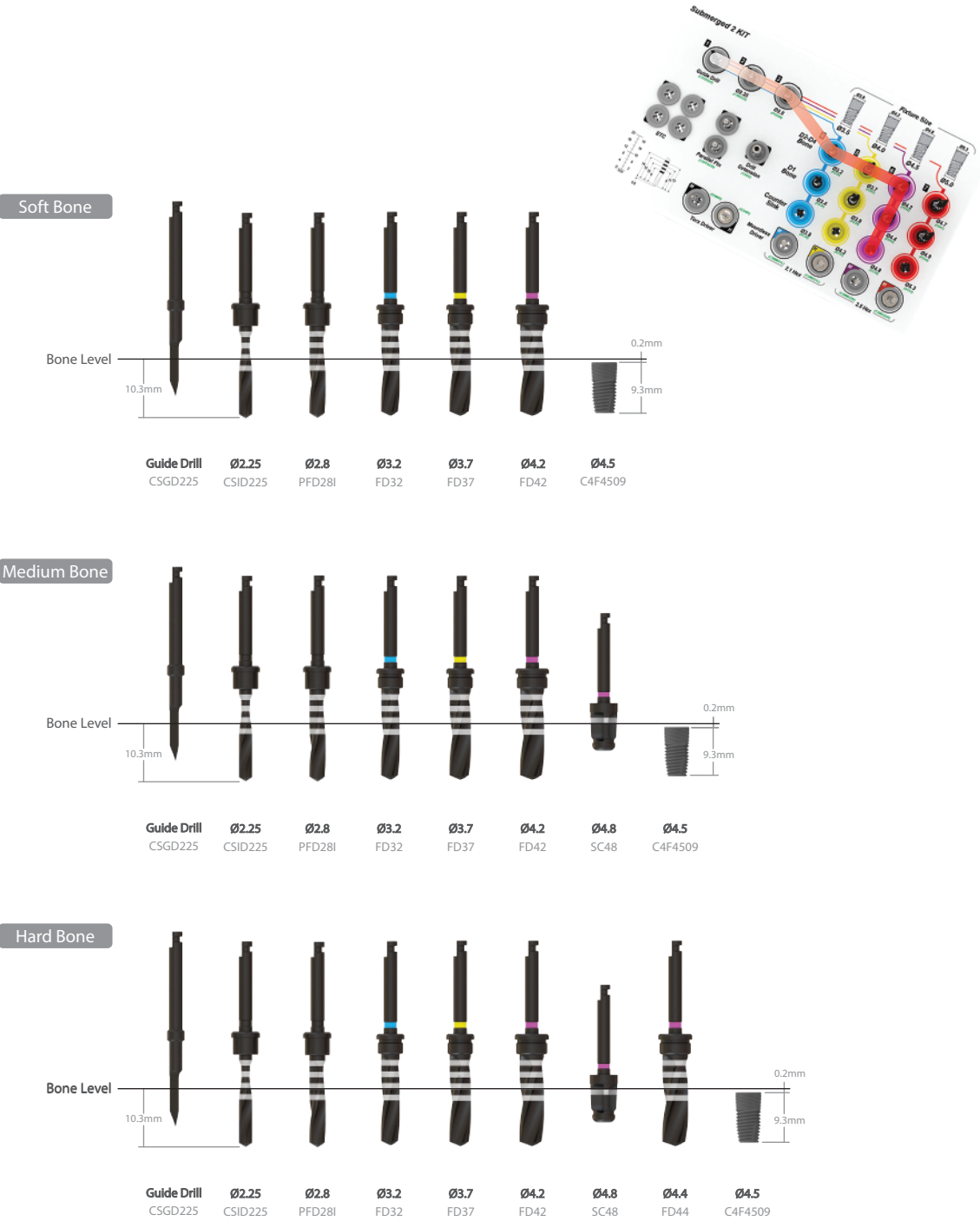
Ø4.0 x 10mm Fixture - Drilling Sequence

Ø4.0 x 12mm Fixture - Drilling Sequence



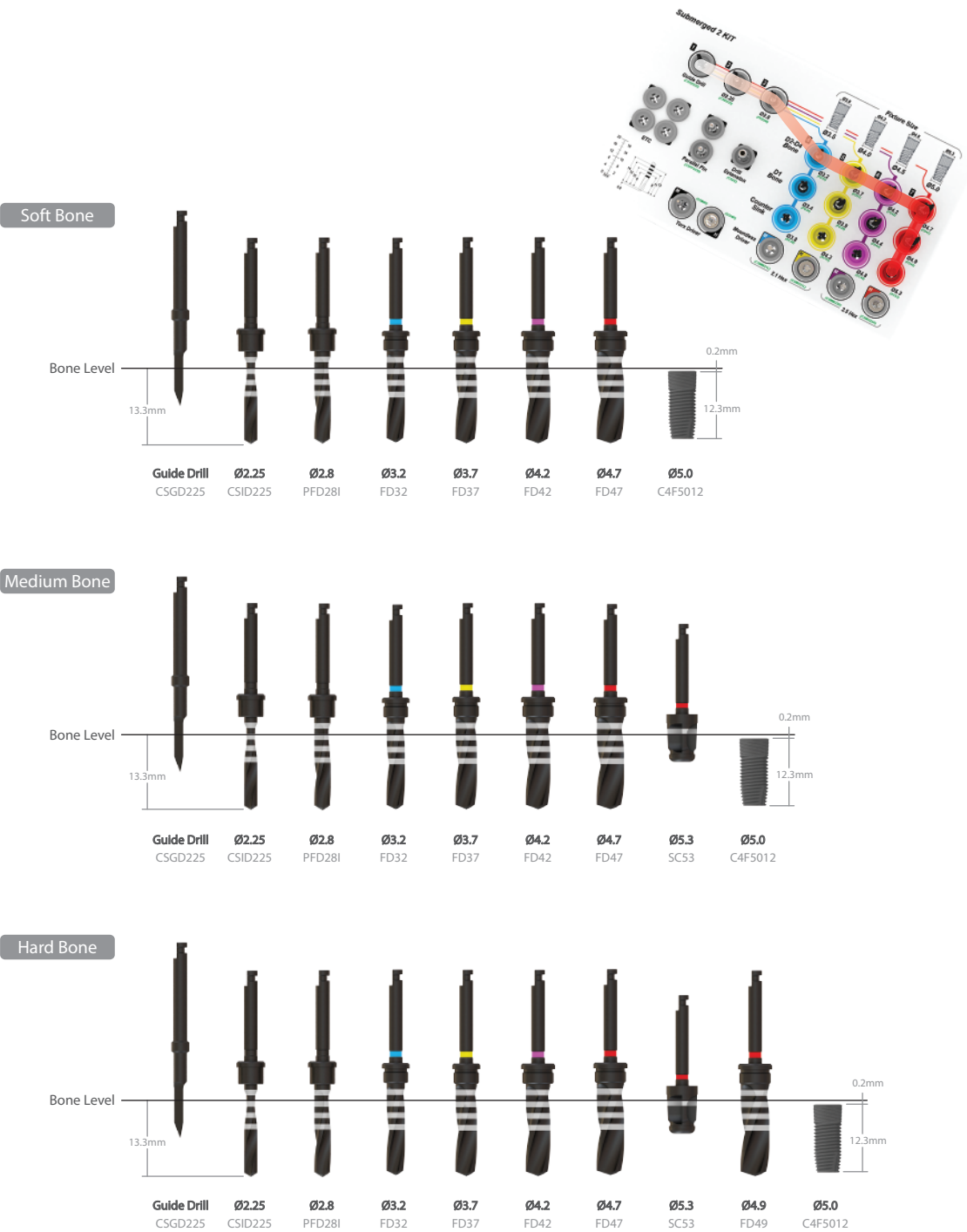
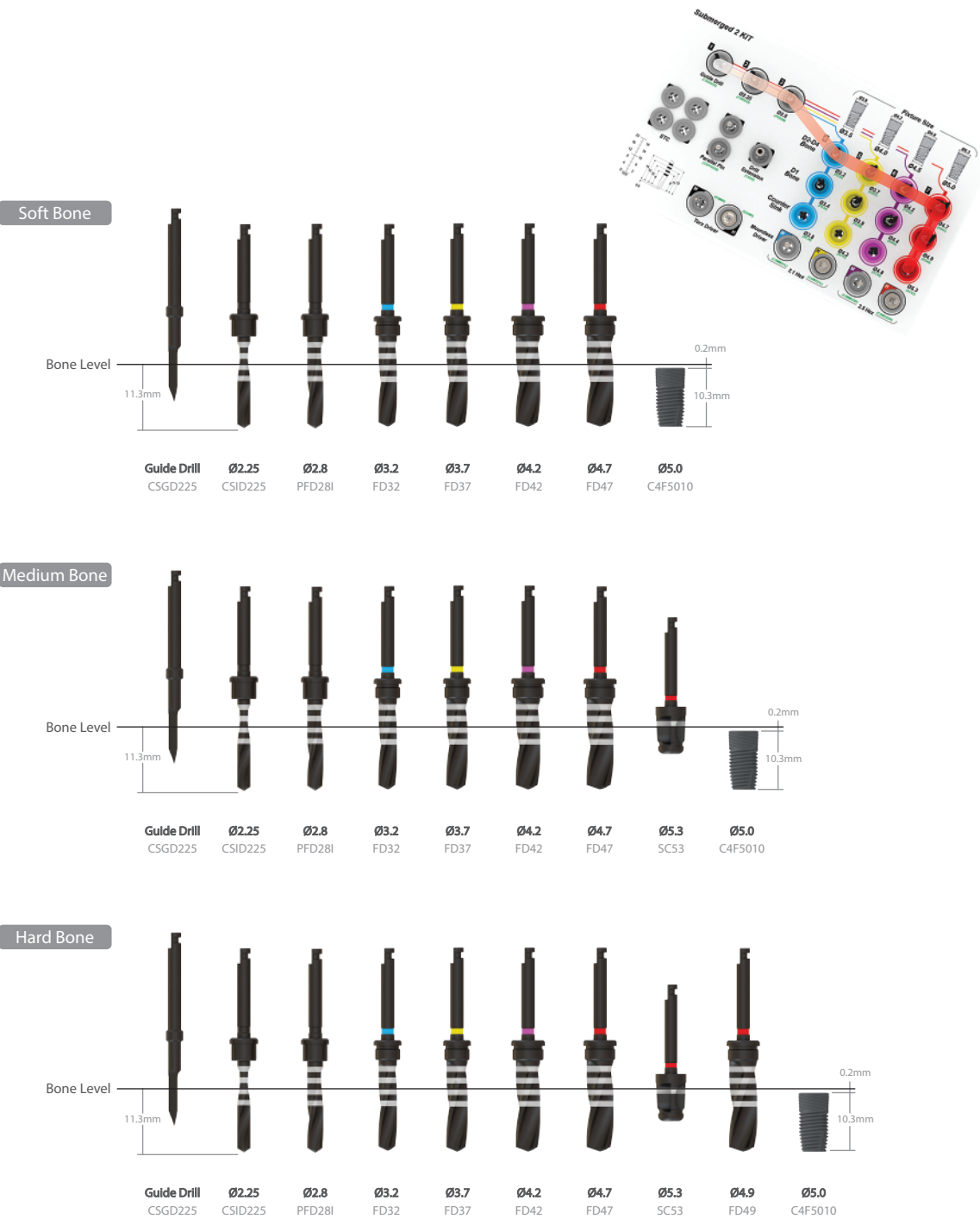
Ø4.5 x 9mm Fixture - Drilling Sequence

Ø4.5 x 14mm Fixture - Drilling Sequence



Ø5.0 x 10mm Fixture - Drilling Sequence

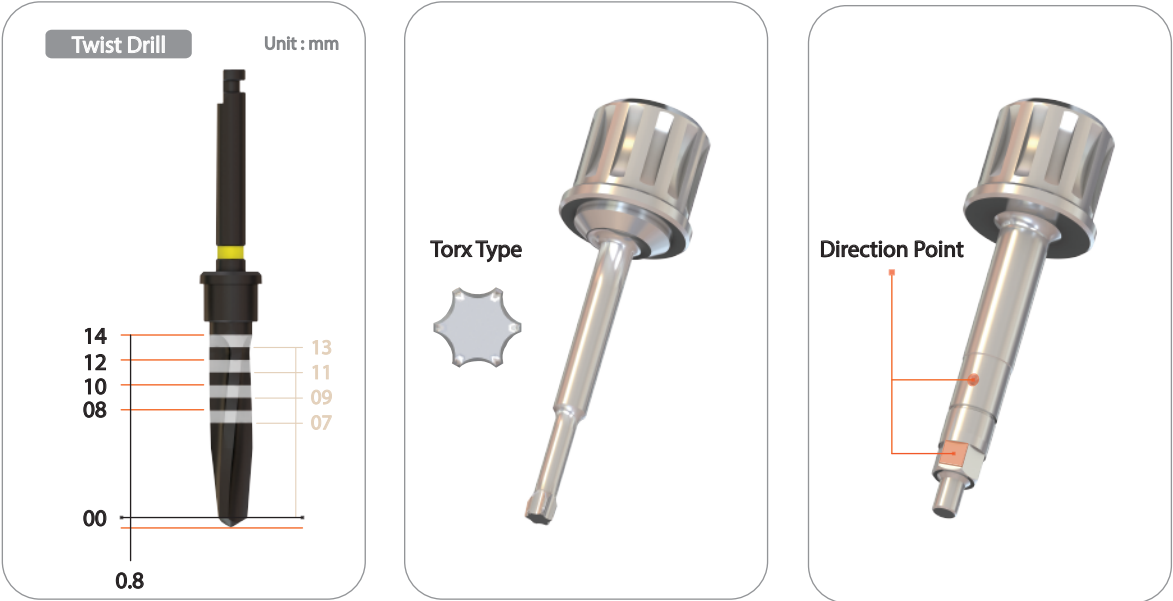
Ø5.0 x 12mm Fixture - Drilling Sequence



Submerged III KIT



Features



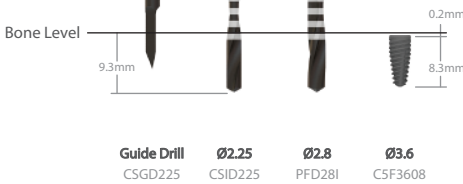
Component

No	Part Name	Picture	Diameter (Ø)	Length(mm)	Pro' Code
1	Guide Drill		2.25	34	CSGD225
2	Initial Drill		2.25	36	CSID225
3	Twist Drill		2.8	36	PFD28I
4	Twist Drill		3.2	36	CSFD3214
5	Twist Drill		3.5	36	CSFD3514
6	Twist Drill		3.9	36	CSFD3914
7	Twist Drill		4.3	36	CSFD4314
8	Twist Drill		4.7	36	CSFD4714
9	Parallel Pin		Hand	26	CSPP2030
10	Torx Driver		Hand	26	TDH18
11	Mountless Driver (2.1 Double Hex)		Hand	24	MDH14-21
12	Mountless Driver (2.5 Hex)		Hand	26	MDH14-25
13	Torque Wrench		Hand	85	TWI/RWI

Ø3.6 x 8mm Fixture - Drilling Sequence

Ø3.6 x 14mm Fixture - Drilling Sequence

Soft Bone



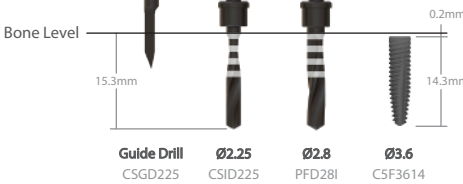
Medium Bone



Hard Bone



Soft Bone



Medium Bone



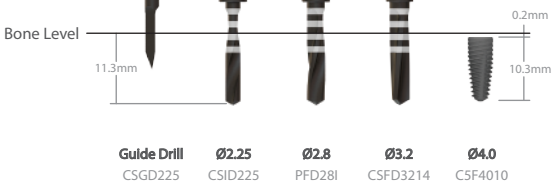
Hard Bone



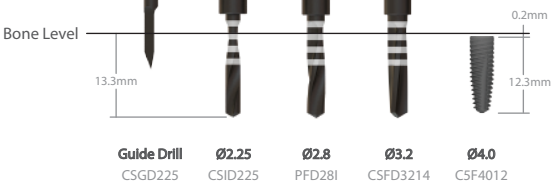
Ø4.0 x 10mm Fixture - Drilling Sequence

Ø4.0 x 12mm Fixture - Drilling Sequence

Soft Bone



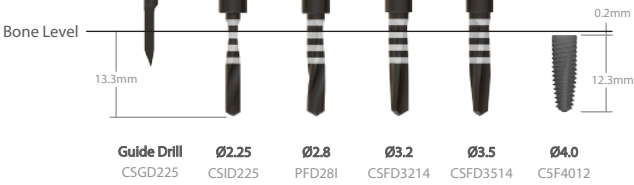
Soft Bone



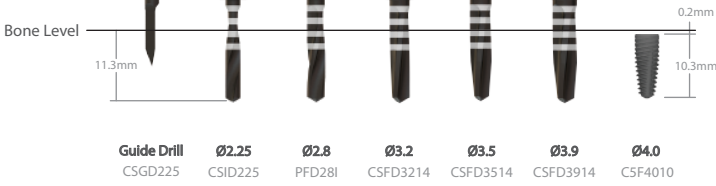
Medium Bone



Medium Bone



Hard Bone

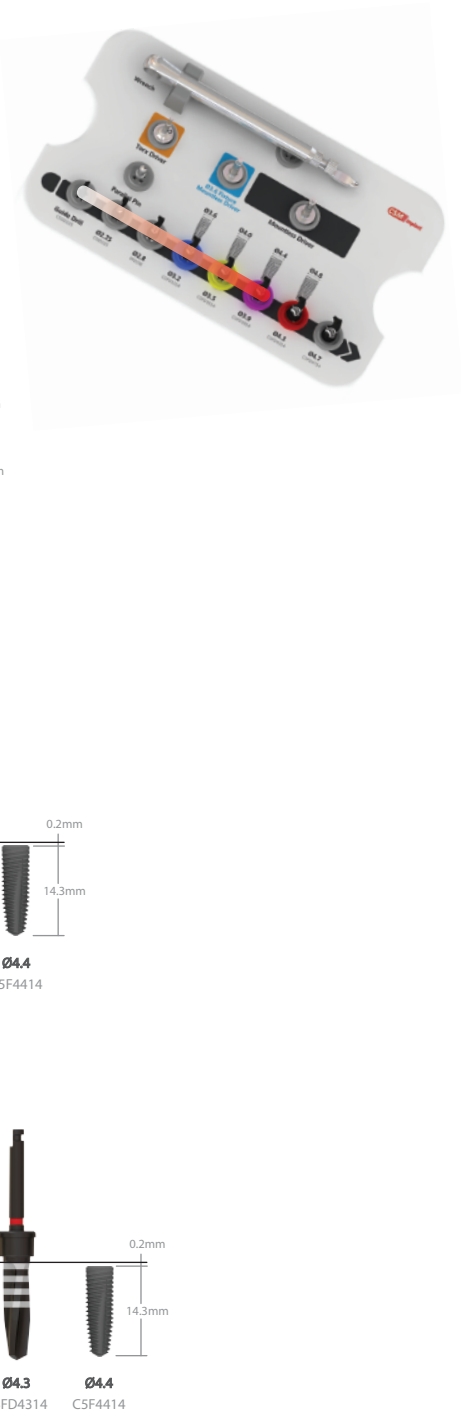
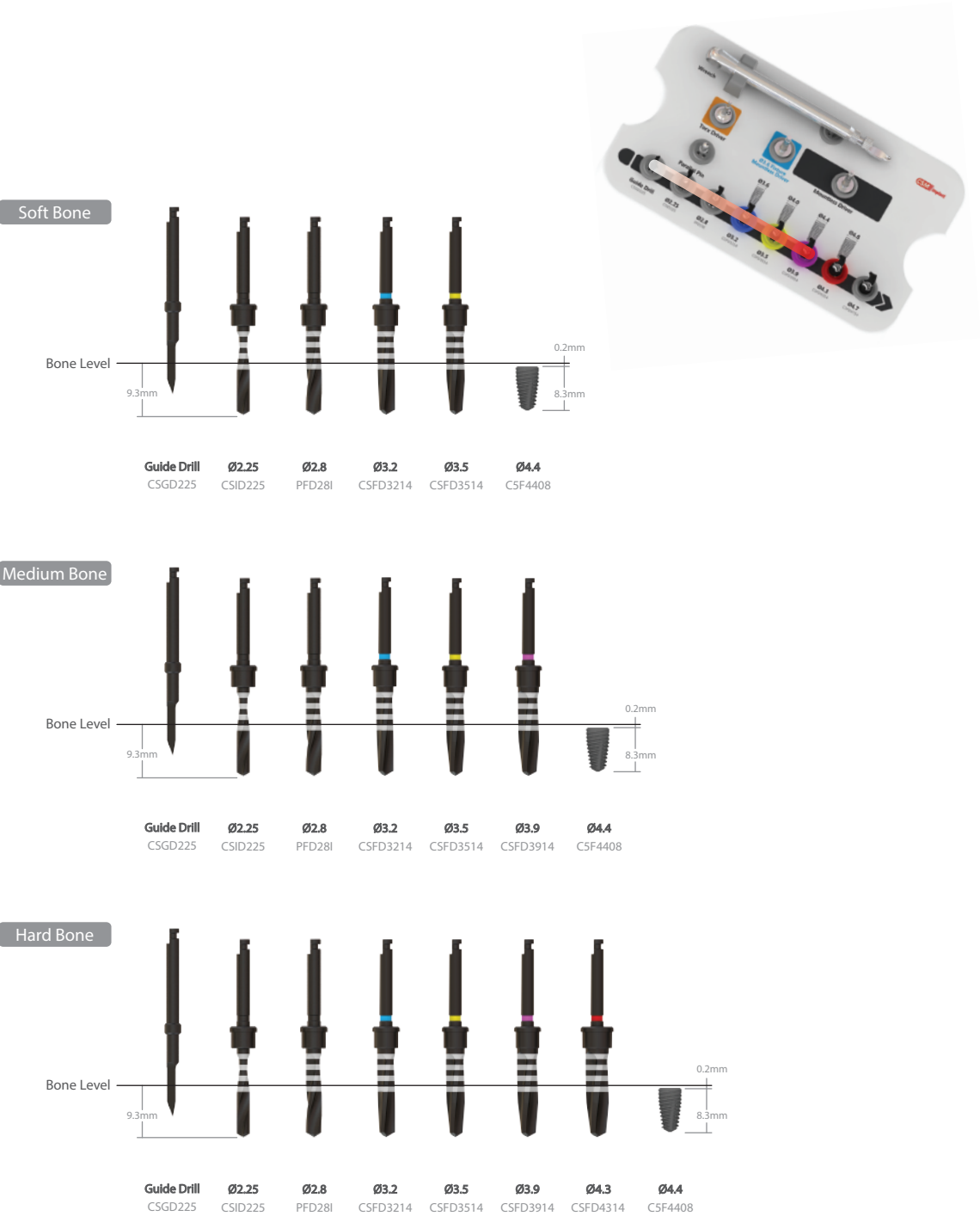


Hard Bone

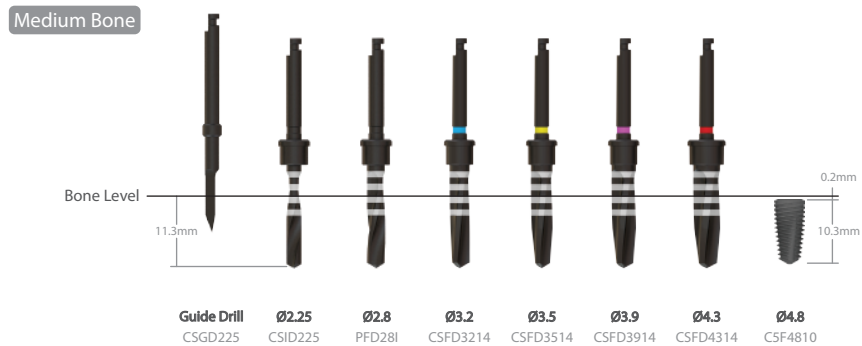
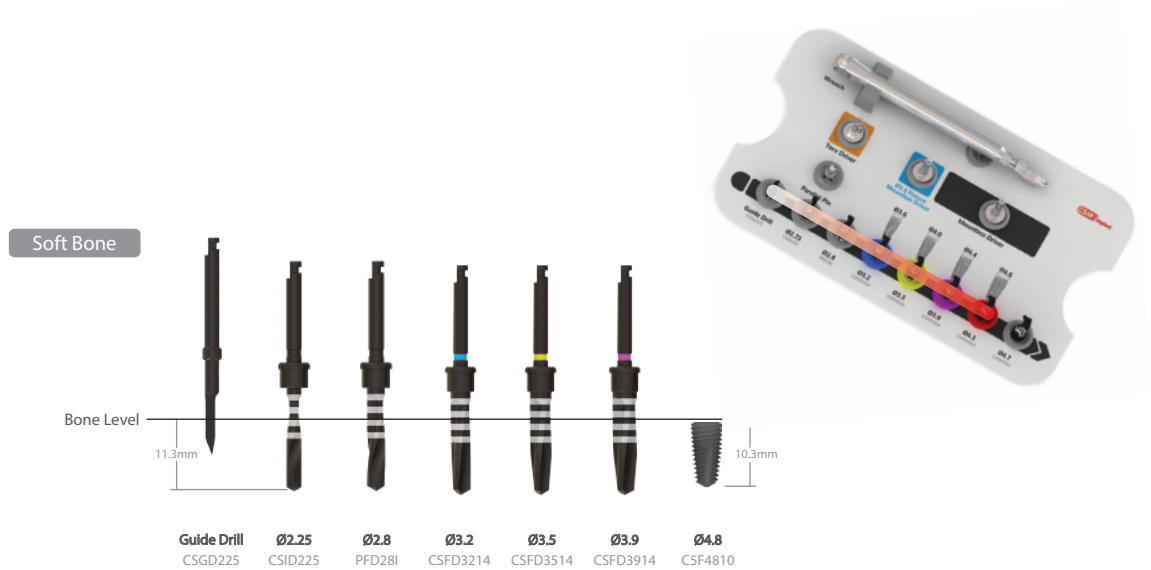


Ø4.4 x 8mm Fixture - Drilling Sequence

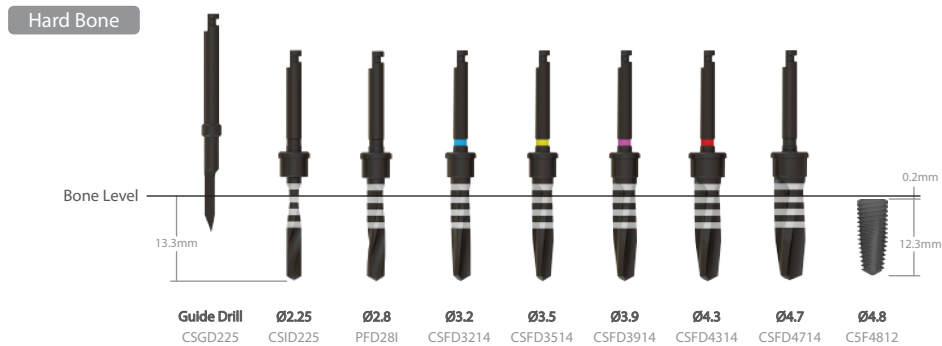
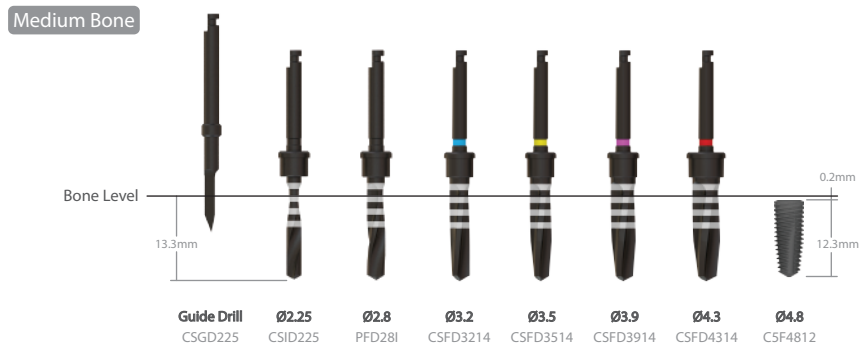
Ø4.4 x 14mm Fixture - Drilling Sequence



Ø4.8 x 10mm Fixture - Drilling Sequence

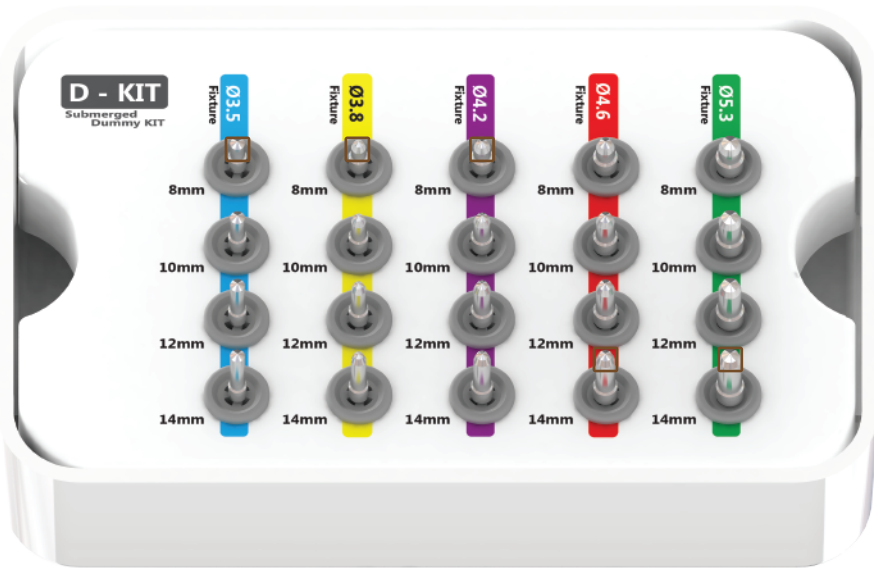


Ø4.8 x 12mm Fixture - Drilling Sequence



Submerged D - KIT (Dummy)

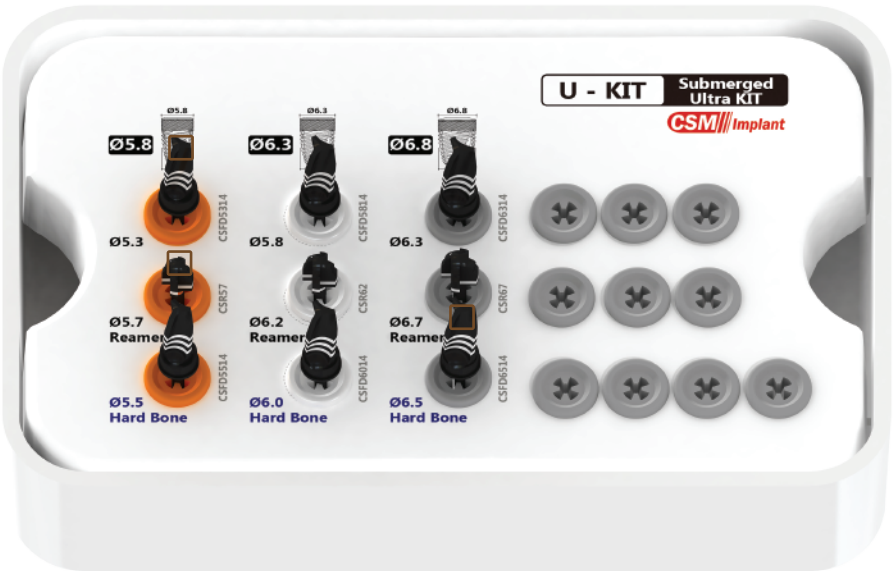
Length(mm)	Picture	Pro' Code	Picture	Pro' Code	Picture	Pro' Code		
8mm		C3FS08D		C3FN08D		C3FM08D		
10mm		C3FS10D		C3FN10D		C3FM10D		
12mm		C3FS12D		C3FN12D		C3FM12D		
14mm		C3FS14D		C3FN14D		C3FM14D		
■ Ø3.5 Dummy			■ Ø3.8 Dummy			■ Ø4.2 Dummy		



■ Ø4.6 Dummy			■ Ø5.3 Dummy		
Length(mm)	Picture	Pro' Code	Picture	Pro' Code	
8mm		C3FR08D		C3FW08D	
10mm		C3FR10D		C3FW10D	
12mm		C3FR12D		C3FW12D	
14mm		C3FR14D		C3FW14D	

Submerged U - KIT (Ultra)

Picture	Diameter (Ø)	Pro' Code
	5.3	CSFD5314
	5.8	CSFD5814
	6.3	CSFD6314
■ Final Drill		



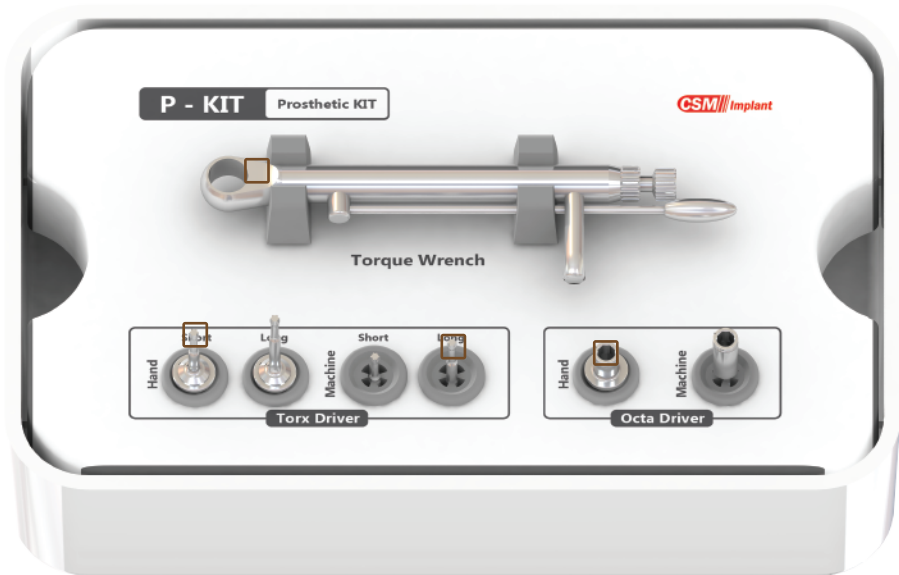
■ Reamer			■ Final Drill (Hard Bone)		
Picture	Diameter (Ø)	Pro' Code	Picture	Diameter (Ø)	Pro' Code
	5.7	CSR57		5.5	CSFD5514
	6.2	CSR62		6.0	CSFD6014
	6.7	CSR67		6.5	CSFD6514

P - KIT (Prosthetic)

Pro' Code TWI/RWI



Torque Wrench



Torx Driver (Hand)

Picture	Pro' Code
	TDH08
	TDH18

Octa Driver

Picture	Pro' Code
	MDHI
	MDMI

Torx Driver (Machine)

Picture	Pro' Code
	TDM08
	TDM18

A - KIT (Aid)

Picture	Diameter (Ø)	Pro' Code
	1.8	CRB18

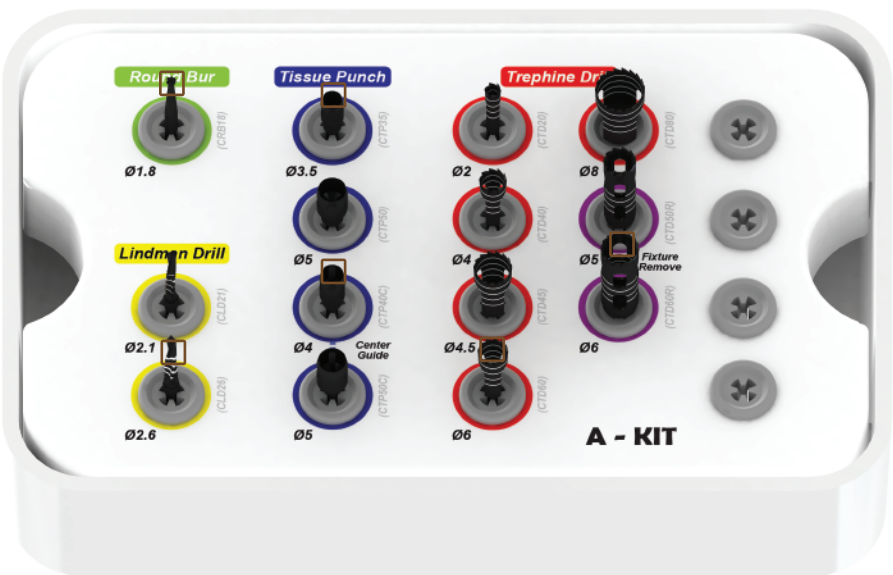
Round Bur

Tissue Punch

Picture	Diameter (Ø)	Pro' Code
	3.5	CTP35
	5.0	CTP50

Center Tissue Punch

Picture	Diameter (Ø)	Pro' Code
	4.0	CTP40C
	5.0	CTP50C



Lindman Drill

Picture	Diameter (Ø)	Pro' Code
	2.1	CLD21
	2.6	CLD26

Fixture Remove

Picture	Diameter (Ø)	Pro' Code
	5.0	CTD50R
	6.0	CTD60R

Trephine Drill

Picture	Diameter (Ø)	Pro' Code
	2.0	CTD20
	4.0	CTD40
	4.5	CTD45
	6.0	CTD60
	8.0	CTD80

R - KIT (Screw Remover)

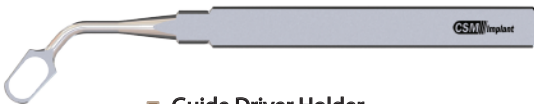
R - KIT Product User Guide

Pro' Code HA

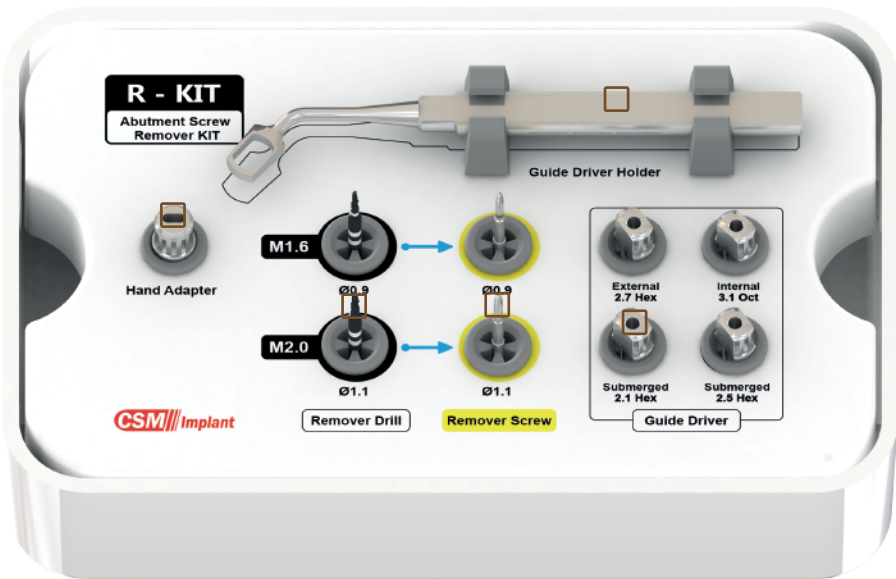


Hand Adapter ■

Pro' Code GDH



■ Guide Driver Holder



■ Remover Drill

Picture	Diameter (Ø)	Pro' Code
	0.9	RD-09
	1.1	RD-11

■ Remover Screw

Picture	Diameter (Ø)	Pro' Code
	0.9	RS-09
	1.1	RS-11

■ Guide Driver

GD-27	GD-31	GD-21	GD-25
*External Fixture 2.7mm Hexagon	*Internal Fixture 3.1mm Octagon	*Submerged Fixture 2.1mm Hexagon	*Submerged Fixture 2.5mm Hexagon



[Note]
*Before using CSM R-KIT, user shall understand the use guide.
*Fixture inner thread can be damaged if used wrong type guide driver or without guide driver.
*Remover drill shall be used at optimal RPM. (2000RPM)
*For the remover drill, do not press too much or shake side to side while making a hole on the top of the broken screw. (It can be broken)
*The remover driver can be broken with more than 45Ncm excessive force when remove the broken screw.

I-KIT



I-KIT



L - KIT (Leteral Sinus)

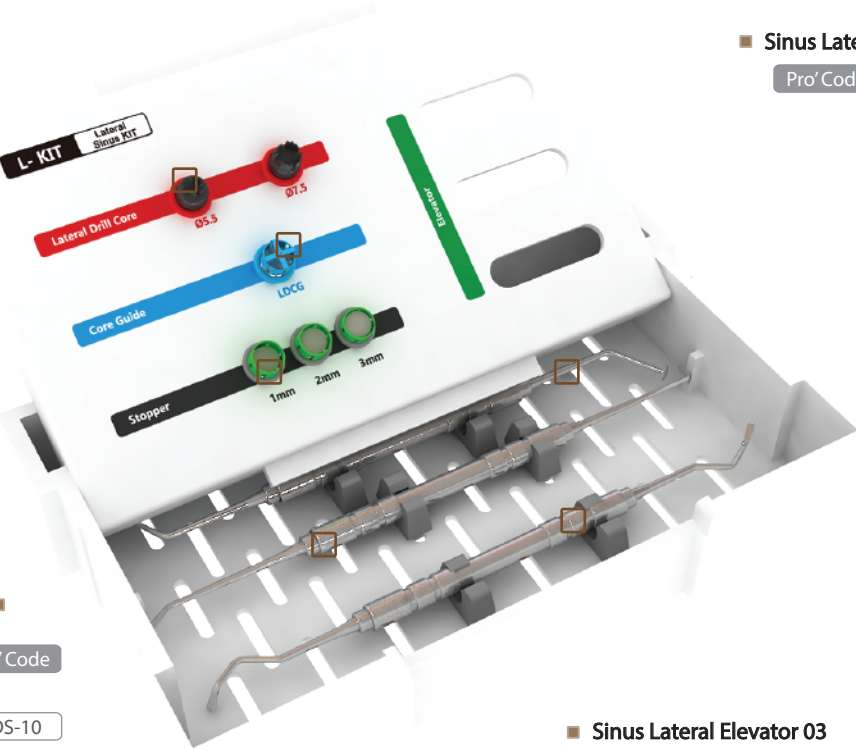
	Picture	Pro' Code
Ø5.5		LD55C
Ø7.5		LD75C

■ Lateral Drill

Picture	Pro' Code
	LDCG

■ Core Guide

■ Sinus Lateral Elevator 01
Pro' Code LE01



Stopper ■

	Picture	Pro' Code
1mm		LDS-10
2mm		LDS-20
3mm		LDS-30

■ Sinus Lateral Elevator 03
Pro' Code LE03

■ Sinus Lateral Elevator 02
Pro' Code LE02

B - KIT (Bone Expander)

Picture	Diameter (Ø)	Pro' Code
	1.8	CRB18

■ Saw Disk

Pro' Code
CRB18



Picture	Diameter (Ø)	Pro' Code
	2.25	CRB18

■ Guide Drill

■ Wrench

Picture	Diameter (Ø)	Pro' Code
	1.7 / 2.5	CTD20
	1.9 / 3.0	CTD40
	2.3 / 3.5	CTD45
	2.6 / 4.0	CTD60
	3.0 / 4.5	CTD80

■ Expander Drill

Picture	Pro' Code
	MDHI
	MDMI

■ Adapter

Implant Surgical Instrument Set

No	Part Name	Picture	Pro' Code
1	Periosteal Elevator (P24G)		PE-01
2	Periosteal Elevator (Molt 9)		PE-02
3	Periosteal Elevator (Prichard)		PE-03
4	Periosteal Elevator (Seldin)		PE-04
5	Periosteal Elevator		LE-01
6	Universal Curette		CU-01
7	Bone Curette (Curved 4)		BC-01
8	Bone Curette (Curved 6)		BC-02

Implant Surgical Instrument Set

No	Part Name	Picture	Pro' Code
9	Periodontal Chisel (Ochsenbein)		OC-01
10	Deep grip extracting forceps		DG-01
11	Hemostat Forcep (12cm Curved)		HE-01
12	Needle Holder (T/C 16cm)		NH-01
13	Scissor (Irish T/C)		SC-01
14	Scissor (La Grange)		SC-02

Implant Surgical Instrument Set

No	Part Name	Picture	Pro' Code
15	Towel Clamp (12cm-Suction)		TC-01
16	Bone Rongeur (Mini)		BR-01
17	Caliper (Curved)		GA-01
18	Bone Well (Lid Small)		BW-01
19	Mes Holder (Straight)		MH-01
20	Mes Holder (Stick)		MH-02

Implant Surgical Instrument Set

No	Part Name	Picture	Pro' Code
21	Mirror + Handle		MI-01
22	Mallet		MA-01
23	Tissue Plier (Double Lock)		TF-01
24	Tissue Plier (Adson 12cm)		TF-02
25	Wide Pincette		WP-01
26	Retractor (Minnesota)		RE-01
27	Periotome		PT-01

DI - KIT (Digital Surgical Drill)

Picture

Pro' Code

Ø5.5



LD55C

Ø7.5



LD75C

■ Lateral Drill

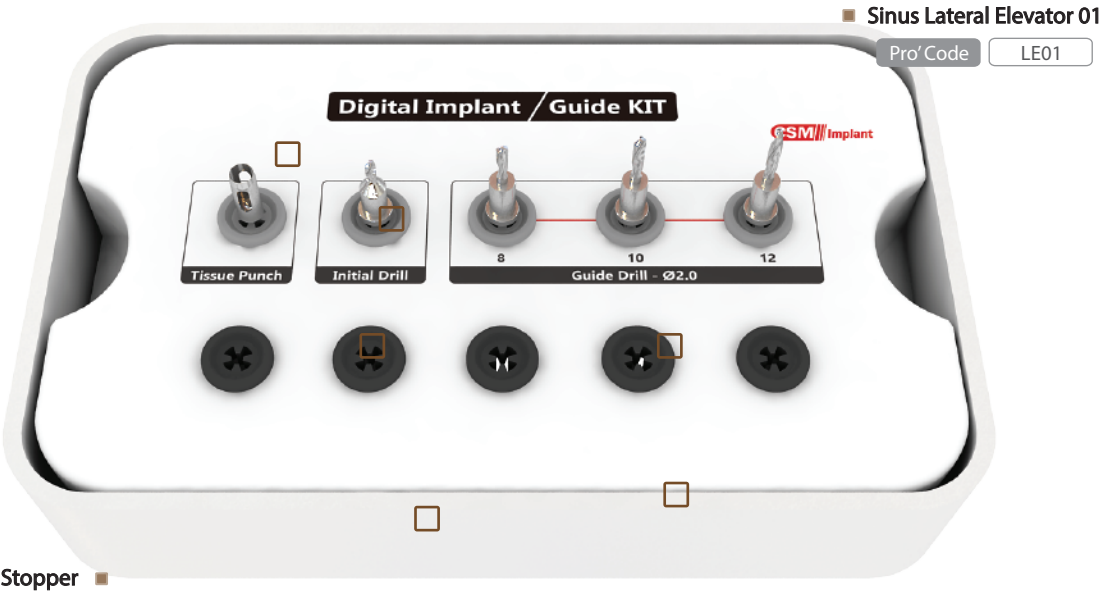
Picture

Pro' Code



LDCG

■ Core Guide



Picture

Pro' Code

1mm



LDS-10

2mm



LDS-20

3mm



LDS-30

■ Stopper

Picture

Pro' Code



LE02

■ Sinus Lateral Elevator 02

Picture

Pro' Code



LE03

■ Sinus Lateral Elevator 03

B - KIT (Bone Expander)

Picture

Diameter (Ø)

Pro' Code



1.8

CRB18

■ Saw Disk

Picture

Diameter (Ø)

Pro' Code



2.25

CRB18

■ Guide Drill

Pro' Code

CRB18



WRENCH

■ Wrench

Picture

Diameter (Ø)

Pro' Code



1.7 / 2.5

CTD20



1.9 / 3.0

CTD40



2.3 / 3.5

CTD45



2.6 / 4.0

CTD60



3.0 / 4.5

CTD80

■ Expander Drill

Picture

Pro' Code



MDHI



MDMI

■ Adapter