

# Spinal System



# Principles of spinal internal fixation:

## Anatomical reduction:

Restore the normal physiological sequence of the spine to restore the biomechanical function of the spine

## Stable fixation:

Stable fixation can promote early integration

## Try to preserve blood supply:

Create a favorable environment for bone fusion

## Early, painless functional exercise:

The degree of injury to the spinal blood supply, dura and nerves of patients is minimized, and the pain of patients can be alleviated to promote functional recovery.

## Example of Product No.:



No.	Dia (mm)	Length (mm)
113-65-(030 ~ 055)	4.0	30 ~ 55
113-65-(130 ~ 155)	4.5	30 ~ 55
113-65-(230 ~ 255)	5.0	30 ~ 55
113-65-(330 ~ 355)	5.5	30 ~ 55
113-65-(430 ~ 465)	6.0	30 ~ 65
113-65-(530 ~ 565)	6.5	30 ~ 65
113-65-(630 ~ 665)	7.0	30 ~ 65
113-65-(730 ~ 765)	7.5	30 ~ 65

Take the screw of Dai=6.0mm Length=**35**mm as example,the No. is: 113-65-**435**

Dai=6.0mm Length=**40**mm as example,the No. is: 113-65-**440**

Increase 5 mm, and so on;

# Spinal Pedicle Screw System(5.5 System)



Screw	U-Shaped Series Screw
Rod	Ø 5.5 Fixed Rod (113-14)
Crosslink	Ø 5.5 Crosslink(113-33)/Ø 5.5 Crosslink(113-34)
Instrument	Spinal Pedicle Screw 6.0 System Instrument Set (189-27-99901)

Short Mono-axial Screw



113-65

No.	Dia (mm)	Length (mm)
113-65-(030 ~ 055)	4.0	30 ~ 55
113-65-(130 ~ 155)	4.5	30 ~ 55
113-65-(230 ~ 255)	5.0	30 ~ 55
113-65-(330 ~ 355)	5.5	30 ~ 55
113-65-(430 ~ 465)	6.0	30 ~ 65
113-65-(530 ~ 565)	6.5	30 ~ 65
113-65-(630 ~ 665)	7.0	30 ~ 65
113-65-(730 ~ 765)	7.5	30 ~ 65

Short Poly-axial Screw



113-67

No.	Dia (mm)	Length (mm)
113-67-(030 ~ 045)	4.0	30 ~ 45
113-67-(130 ~ 145)	4.5	30 ~ 45
113-67-(230 ~ 245)	5.0	30 ~ 45
113-67-(330 ~ 350)	5.5	30 ~ 50
113-67-(430 ~ 455)	6.0	30 ~ 55
113-67-(530 ~ 555)	6.5	30 ~ 55
113-67-(630 ~ 655)	7.0	30 ~ 55

Long Mono-axial Screw



113-66

No.	Dia (mm)	Length (mm)
113-66-(030 ~ 055)	4.0	30 ~ 55
113-66-(130 ~ 155)	4.5	30 ~ 55
113-66-(230 ~ 255)	5.0	30 ~ 55
113-66-(330 ~ 355)	5.5	30 ~ 55
113-66-(430 ~ 465)	6.0	30 ~ 65
113-66-(530 ~ 565)	6.5	30 ~ 65
113-66-(630 ~ 665)	7.0	30 ~ 65
113-66-(730 ~ 765)	7.5	30 ~ 65

Long Poly-axial Screw



113-68

No.	Dia (mm)	Length (mm)
113-68-(030 ~ 045)	4.0	30 ~ 45
113-68-(130 ~ 145)	4.5	30 ~ 45
113-68-(230 ~ 245)	5.0	30 ~ 45
113-68-(330 ~ 350)	5.5	30 ~ 50
113-68-(430 ~ 455)	6.0	30 ~ 55
113-68-(530 ~ 555)	6.5	30 ~ 55
113-68-(630 ~ 655)	7.0	30 ~ 55

M9 Setscrew



113-69

Crosslink(Ø5.5)



113-14

No.	Dia (mm)	Length (mm)
113-14-(050 ~ 200)	5.5	50 ~ 200
113-14-(300 ~ 500)	5.5	300/400/500

Crosslink(Ø5.5)



113-33

No.	Dia (mm)	Length (mm)
113-33-(060 ~ 080)	Ø5.5	60/65/70/75/80

Crosslink(Ø5.5)

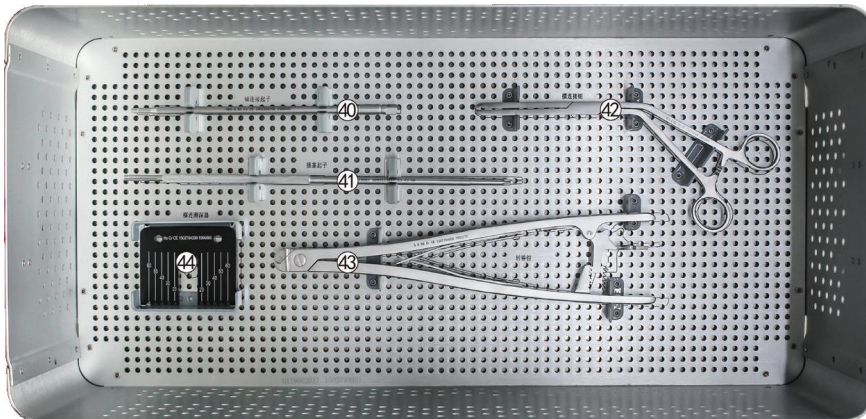
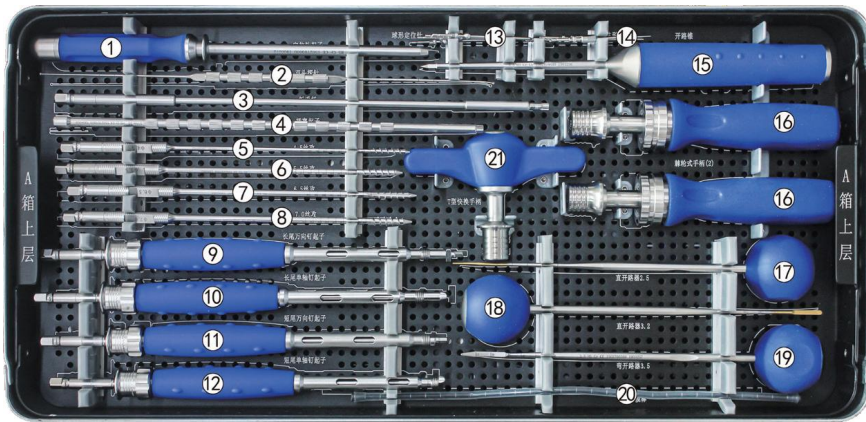


113-34

No.	Dia (mm)	Length (mm)
113-34-(060 ~ 070)	Ø5.5	60/65/70

# Spinal Pedicle Screw 5.5 System Instrument Set

189-27-99901



# Series Spinal System Instrument Set

189-27-99901

No.	ProductNo.	Product Name	Qty
1	189-27-00600	Loction Pin Screwdriver	1
2	189-23-30300	Double Head Straight Holt Probe	1
3	189-27-01700	Torque Handle (T28-1)	1
4	189-27-01800	Plug Screwdriver (SW6.35/T28-1)	2
5	189-27-00900	Tap 4.5	1
6	189-27-01000	Tap 5.5	1
7	189-27-01100	Tap 6.5	1
8	189-27-01200	Tap 7.0	1
9	189-27-03400	Screwdriver For M9 Multi-axial Screws (Long)	1
10	189-27-03500	Screwdriver For M9 Multi-axial Screws (Long)	1
11	189-27-01400	Screwdriver For M9 Mono-axial Screws (Short)	1
12	189-27-01500	Screwdriver For M9 Mono-axial Screws (Short)	1
13	189-27-00800	Ball Locating Pin	4
14	189-27-00700	Column Locating Pin	4
15	189-27-04600	Awl	1
16	189-33-02300	Ratchet Handle	2
17	189-27-00400	Straight Guide For Awl 2.5	1
18	189-27-00200	Straight Guide For Awl 3.2	1
19	189-07-00300	Curved Guide For Awl 3.5	1
20	189-28-10900	Template (30cm)	1
21	189-27-01600	Quickcoupling Handle (T)	1
22	189-27-03900	Reduction Screw Breaker (5.5)	1
23	189-27-02500	Rod Pusher (5.5/6.0)	1
24	189-27-05300	Torque Wrench (10N.m)	1
25	189-22-02400	Transverse Connection Forceps (Square Head)	1
26	189-23-01500	Rod Holder (5.5/6.0)	1
27	189-27-02900	Screwdriver For Self-break Screws (SW6.35)	1
28	189-27-03000	Plug Take Out Screwdriver	1
29	189-26-01700	Rod Bender (5.5/6.0)	1
30	189-27-02400	Sagittal In Situ Rod Bender (Left) (5.5)	1
31	189-27-02300	Sagittal In Situ Rod Bender (Right) (5.5)	1
32	189-27-02800	Counter Guide Spanner(5.5)	1
33	189-27-03300	Rotating Connecting Rod Sapnner (SW5.0)	1
34	189-27-02600	Collinear Reduction Forceps (5.5)	1
35	189-26-00300	Torque Wrench	1
36	189-27-03200	Curved Distracting Forceps (5.5/6.0)	1
37	189-27-03100	Curved Pressure Forceps (5.5/6.0)	1
38	189-27-03800	Swing Forceps For Reduction Screws (5.5)	1
39	189-27-02700	Swing Forceps (5.5)	1
40	189-27-04300	Transverse Connection Screwdriver (SW3.5)	1
41	189-02-20900	Plug Screwdriver (SW3.5/T28)	1
42	189-27-04500	Transverse Connection Forceps (3.0)	1
43	189-27-04000	Rod Rotating Clamp (5.5)	1
44	189-27-04200	Transverse Connection Gauge	1
45	189-27-10000	Instrument Case	1
46	189-23-30600	Hexagonal Screwdriver for Oblate Transverse Connector (SW4.5)	1
47	189-27-05200	Counter Guide Spanner(Spin)(5.5)	1

# Spinal Pedicle Screw System(6.0 System)



Screw	U-Shaped Series Screw
Rod	Ø 6.0 Fixed Rod (114-12)
Crosslink	Ø 6.0 Crosslink(114-33)/Ø 6.0 Crosslink(114-34)
Instrument	Spinal Pedicle Screw 6.0 System Instrument Set (189-01-88800)



Short Poly-axial Screw



114-80

No.	Dia (mm)	Length (mm)
114-80-(030 ~ 045)	4.5	30 ~ 45
114-80-(130 ~ 145)	5.0	30 ~ 45
114-80-(230 ~ 250)	5.5	30 ~ 50
114-80-(330 ~ 355)	6.0	30 ~ 55
114-80-(430 ~ 455)	6.5	30 ~ 55
114-80-(530 ~ 550)	7.0	30 ~ 50
114-80-(635 ~ 670)	7.5	35 ~ 70

Short Poly-axial Screw



114-78

No.	Dia (mm)	Length (mm)
114-78-(030 ~ 055)	4.0	30 ~ 55
114-78-(130 ~ 155)	4.5	30 ~ 55
114-78-(230 ~ 255)	5.0	30 ~ 55
114-78-(330 ~ 355)	5.5	30 ~ 55
114-78-(430 ~ 465)	6.0	30 ~ 65
114-78-(530 ~ 565)	6.5	30 ~ 65
114-78-(630 ~ 665)	7.0	30 ~ 65
114-78-(730 ~ 765)	7.5	30 ~ 65

Long Mono-axial Screw



114-79

No.	Dia (mm)	Length (mm)
114-79-(030 ~ 055)	4.0	30 ~ 55
114-79-(130 ~ 155)	4.5	30 ~ 55
114-79-(230 ~ 255)	5.0	30 ~ 55
114-79-(330 ~ 355)	5.5	30 ~ 55
114-79-(430 ~ 465)	6.0	30 ~ 65
114-79-(530 ~ 565)	6.5	30 ~ 65
114-79-(630 ~ 665)	7.0	30 ~ 65
114-79-(730 ~ 765)	7.5	30 ~ 65

Long Poly-axial Screw



114-81

No.	Dia (mm)	Length (mm)
114-81-(030 ~ 045)	4.5	30 ~ 45
114-81-(130 ~ 145)	5.0	30 ~ 45
114-81-(230 ~ 250)	5.5	30 ~ 50
114-81-(330 ~ 355)	6.0	30 ~ 55
114-81-(430 ~ 455)	6.5	30 ~ 55
114-81-(530 ~ 550)	7.0	30 ~ 50
114-81-(635 ~ 670)	7.5	35 ~ 70

M10 Setscrew



114-82

Crosslink(Ø6.0)



114-12

No.	Dia (mm)	Length (mm)
114-12-(050 ~ 200)	6.0	50 ~ 200
114-12-(300 ~ 500)	6.0	300/400/500

Crosslink(Ø6.0)



114-33

No.	Dia (mm)	Length (mm)
114-33-(060 ~ 080)	Ø6.0	60/65/70/75/80

Crosslink(Ø6.0)



114-34

No.	Dia (mm)	Length (mm)
114-34-(060 ~ 070)	Ø6.0	60/65/70

# Spinal Pedicle Screw 6.0 System Instrument Set

189-01-88800



Spinal System  
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# Spinal Pedicle Screw 6.0 System Instrument Set

189-01-88800

No.	ProductNo.	Product Name	Qty
1	189-27-04600	Awl	1
2	189-33-02300	Ratchet Handle	2
3	189-27-00700	Column Locating Pin	4
4	189-27-00800	Ball Locating Pin	4
5	189-27-00400	Straight Guide For Awl (02.5)	1
6	189-27-00200	Straight Guide For Awl (03.2)	1
7	189-27-00300	Curved Guide For Awl (03.5)	1
8	189-27-04300	Transverse Connection Screwdriver	1
9	189-27-00600	Loction Pin Screwdriver	1
10	189-27-01600	Quickcoupling Handle (T)	1
11	189-23-30300	Double Head Straight Holt Probe	1
12	189-22-01800	Reduction Screw Breaker (6)	1
13	189-22-00100	Hard Holt Probe	1
14	189-22-03200	Counter Guide Spanner(Spin)(6)	2
15	189-27-00900	Tap 4.5	1
16	189-27-01000	Tap 5.5	1
17	189-27-01100	Tap 6.5	1
18	189-27-01200	Tap 7.0	1
19	189-02-20900	Plug Screwdriver (SW3.5)	2
20	189-28-10900	Template (30cm)	1
21	189-22-00700	Screwdriver For M10 Mono-axial Screws (Short)	1
22	189-22-00600	Screwdriver For M10 Multi-axial Screws (Short)	1
23	189-22-01600	Screwdriver For M10 Multi-axial Screws (Long)	1
24	189-22-01500	Screwdriver For M10 Multi-axial Screws (Long)	1
25	189-22-01100	Counter Guide Spanner (6)	1
26	189-22-00900	Rod Pusher (5.5/6.0)	1
27	189-27-03300	Rotating Connecting Rod Sapnner (SW5.0)	1
28	189-22-01400	T-Wrench (T28)	1
29	189-22-01700	Swing Forceps For Reduction Screws (6)	1
30	189-22-01000	Swing Forceps (6)	1
31	189-22-02100	Holding Holder	1
32	189-23-01500	Rod Holder (5.5/6.0)	1
33	189-26-01700	Rod Bender (5.5/6.0)	1
34	189-22-02300	Transverse Connection Forceps	1
35	189-22-02400	Transverse Connection Forceps (Square Head)	1
36	189-22-01300	Rod Rotating Clamp (5.5)	1
37	189-27-03200	Curved Distracting Forceps (5.5/6.0)	1
38	189-22-01900	Distracting Forceps (5.5/6.0)	1
39	189-27-03100	Curved Pressure Forceps (5.5/6.0)	1
40	189-22-02200	Counter Guide Spanner	1
41	189-22-01200	Collinear Reduction Forceps (M10)	1
42	189-26-00300	Torque Wrench (12N.m)	1
43	189-22-00000	Instrument Case	1
44	189-22-03300	Hexagonal Screwdriver for Oblate Transverse Connector (SW4.5)	1
45	189-22-03200	Counter Guide Spanner(Spin)(6)	1

# Minimally Invasive Pedicle Screw System I (5.5 System)



Screw	U-Shaped Series Screw
Rod	Ø 5.5 Straight Fixed Rod (113-14)/Ø 5.5 Curved Fixed Rod (113-14)
Crosslink	Ø 5.5 Crosslink(113-33)/Ø 5.5 Crosslink(113-34)
Instrument	Minimally Invasive Pedicle Screw System I Instrument Set (189-33-99900)

Mono-axial screw



112-70

No.	Dia (mm)	Length (mm)
112-70-(330 ~ 350)	5.5	30/35/40/45/50
112-70-(430 ~ 450)	6.0	30/35/40/45/50
112-70-(530 ~ 550)	6.5	30/35/40/45/50

Poly-axial Screw



112-71

No.	Dia (mm)	Length (mm)
112-71-(130 ~ 145)	4.5	30/35/40/45
112-71-(230 ~ 250)	5.0	30/35/40/45/50
112-71-(330 ~ 350)	5.5	30/35/40/45/50
112-71-(430 ~ 450)	6.0	30/35/40/45/50
112-71-(530 ~ 550)	6.5	30/35/40/45/50

Fixing Rod



112-72

No.	Dia (mm)	Length (mm)
112-72-(030 ~ 080)	5.5	30 ~ 80
112-72-(090 ~ 120)	5.5	90/100/110/120
112-72-(140 ~ 180)	5.5	140/160/180

Curved Fixing Rod



112-72

No.	Dia (mm)	Length (mm)
112-72-(340 ~ 380)	5.5	40~80
112-72-(390 ~ 420)	5.5	90/100/110/120

M9 Break-off Setscrew



112-73

M9 Break-off Setscrew



113-24

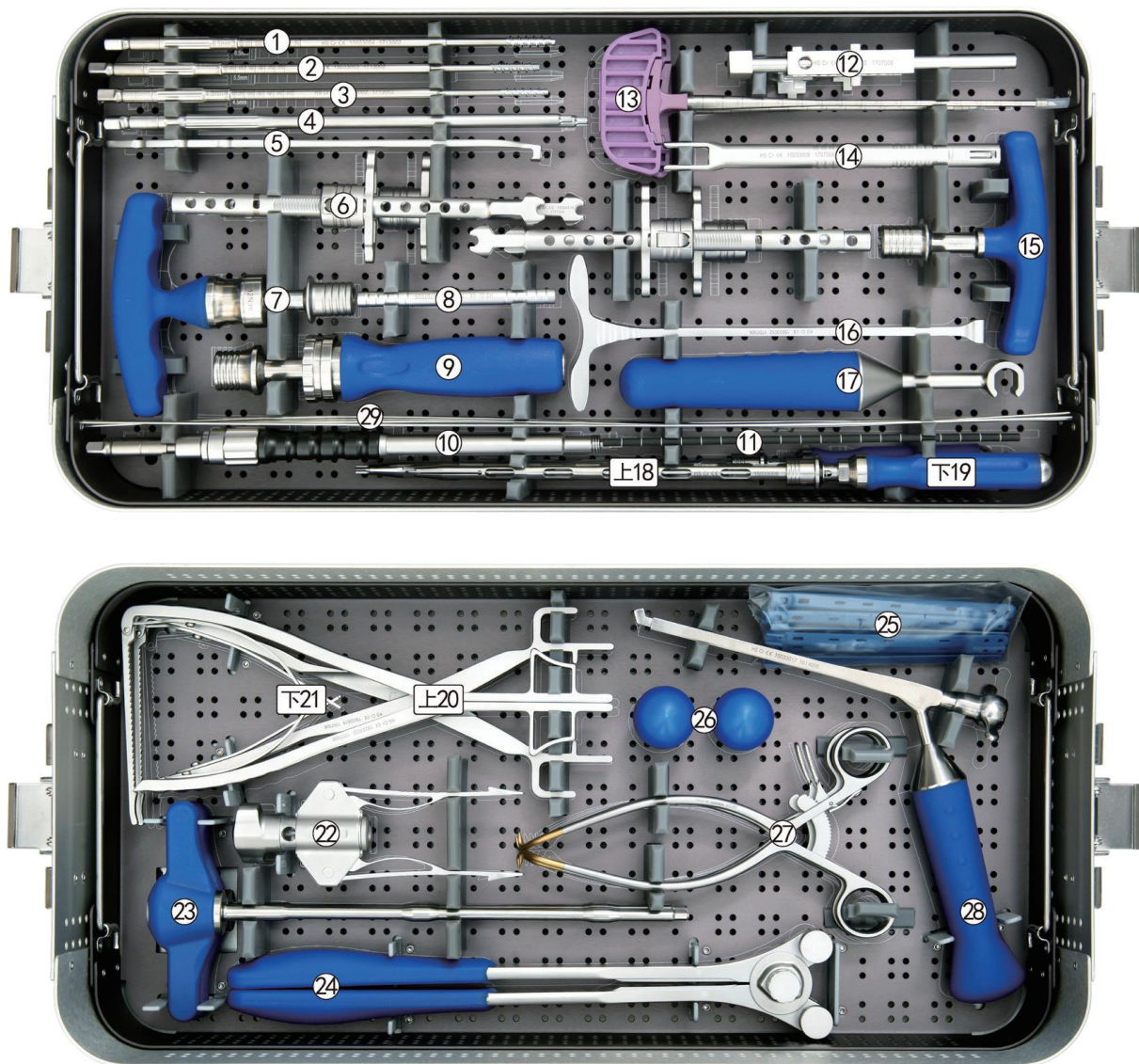
Extension Plate



150-33

# Minimally Invasive Pedicle Screw System I Instrument Set

189-33-99900



# Minimally Invasive Pedicle Screw System I Instrument Set

189-33-99900

No.	ProductNo.	Product Name	Qty
1	189-33-00200	Tap 4.5	1
2	189-33-00300	Tap 5.5	1
3	189-33-00400	Tap 6.5	1
4	189-33-00700	Torx Screwdriver	2
5	189-33-01300	Screw Breaker	1
6	189-33-01600	Rod Pusher	4
7	189-26-00300	Torque Spanner(12N)	1
8	189-33-00800	Tap Guide	1
9	189-33-02300	Quick Coupling Ratchet Handle	1
10	189-33-00500	Screw Inserter	2
11	189-33-01000	Template	1
12	189-33-01500	Connecting Sleeve	1
13	189-33-02100	Puncture Device(Long)	1
	189-33-12100	Puncture Device(Short)	1
14	189-33-00900	Counter Guide	1
15	189-26-10200	Quick Coupling Handle(T)	1
16	189-33-01200	Screw Adapter	1
17	189-33-02400	Counter Spanner	1
18	189-33-00600	Nut Holder (Hex)	1
19	189-33-10600	Nut Holder (Torx)	1
20	189-33-02000	Distracting Forcep	1
21	189-33-01900	Compression Forcep	1
22	189-33-01400	Rod Pusher	1
23	189-33-01800	Screwdriver	2
24	189-26-01700	Rod Bending Forcep	1
25	189-33-00100	Pulling Bolt	20
26	189-33-02800	Pushing Handle	2
27	189-33-02900	Retractor	2
28	189-33-01700	L-Rod Holding Clamp	1
29	189-33-01100	01.5 Guide Pin	8
30	189-33-00000	Instrument Case	1



# Minimally Invasive Pedicle Screw System II (5.5 System)



Screw	U-Shaped Series Screw
Rod	Ø 5.5 Straight Fixed Rod (112-80)/Ø 5.5 Curved Fixed Rod (112-81)
Crosslink	Ø 5.5 Crosslink
Instrument	Minimally Invasive Pedicle Screw System II Instrument Set (189-29-99903)

Mono-axial screw



112-78

No.	Dia (mm)	Length (mm)
112-78-(030 ~ 055)	5.0	30 ~ 55
112-78-(130 ~ 155)	5.5	30 ~ 55
112-78-(230 ~ 255)	6.0	30 ~ 55
112-78-(330 ~ 355)	6.5	30 ~ 55
112-78-(430 ~ 455)	7.0	30 ~ 55
112-78-(530 ~ 550)	7.5	30 ~ 55

Poly-axial screw



112-79

No.	Dia (mm)	Length (mm)
112-79-(030 ~ 045)	5.0	30 ~ 45
112-79-(130 ~ 150)	5.5	30 ~ 50
112-79-(230 ~ 255)	6.0	30 ~ 55
112-79-(330 ~ 355)	6.5	30 ~ 55
112-79-(430 ~ 455)	7.0	30 ~ 55
112-79-(530 ~ 555)	7.5	30 ~ 55

Curved Fixing Rod



112-80

No.	Dia (mm)	Length (mm)
112-80-(040 ~ 090)	5.5	40 ~ 90

Fixing Rod



112-81

No.	Dia (mm)	Length (mm)
112-81-(040 ~ 090)	5.5	40 ~ 90

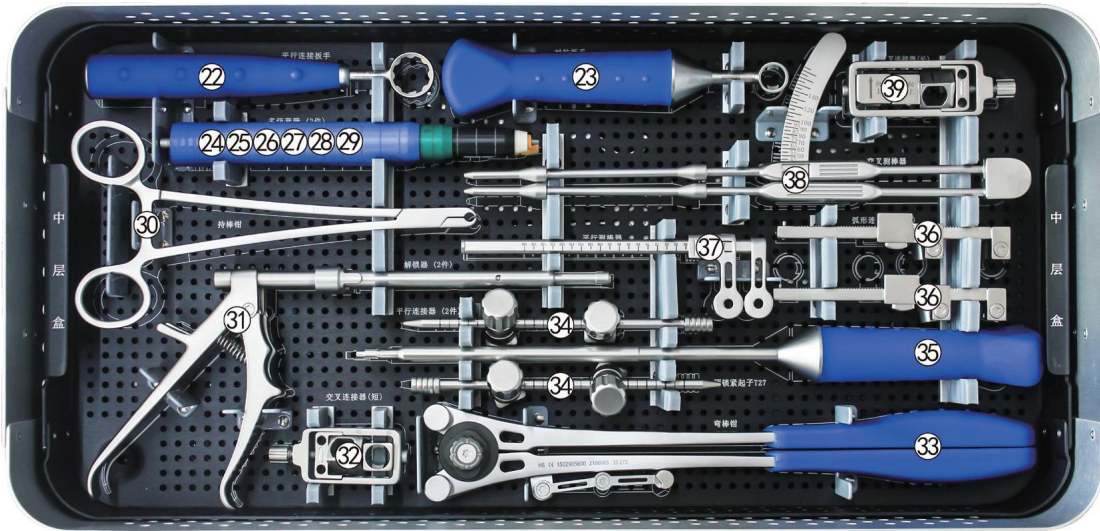
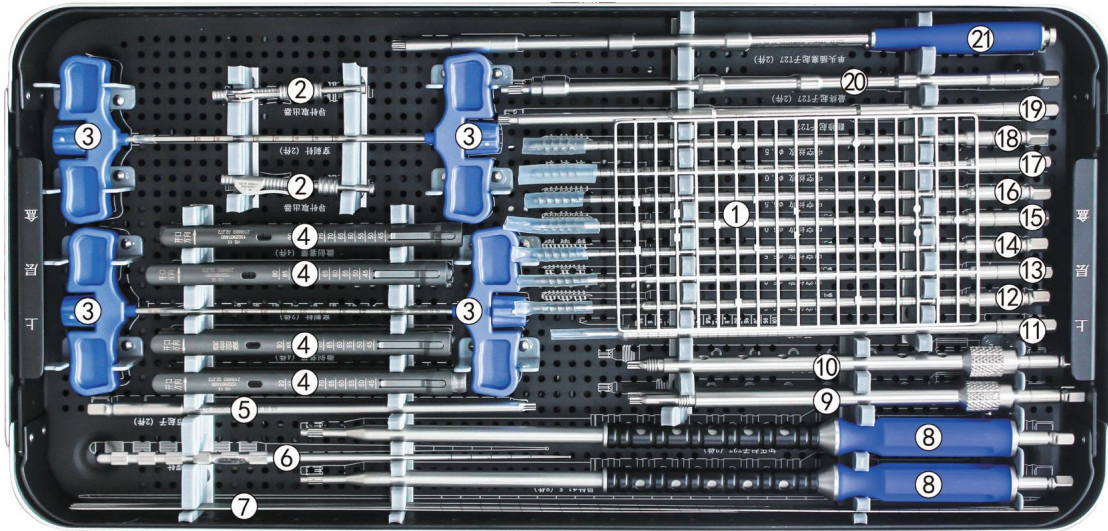
Break-off Setscrew



112-82

# Minimally Invasive Pedicle Screw System II Instrument Set

189-29-99903



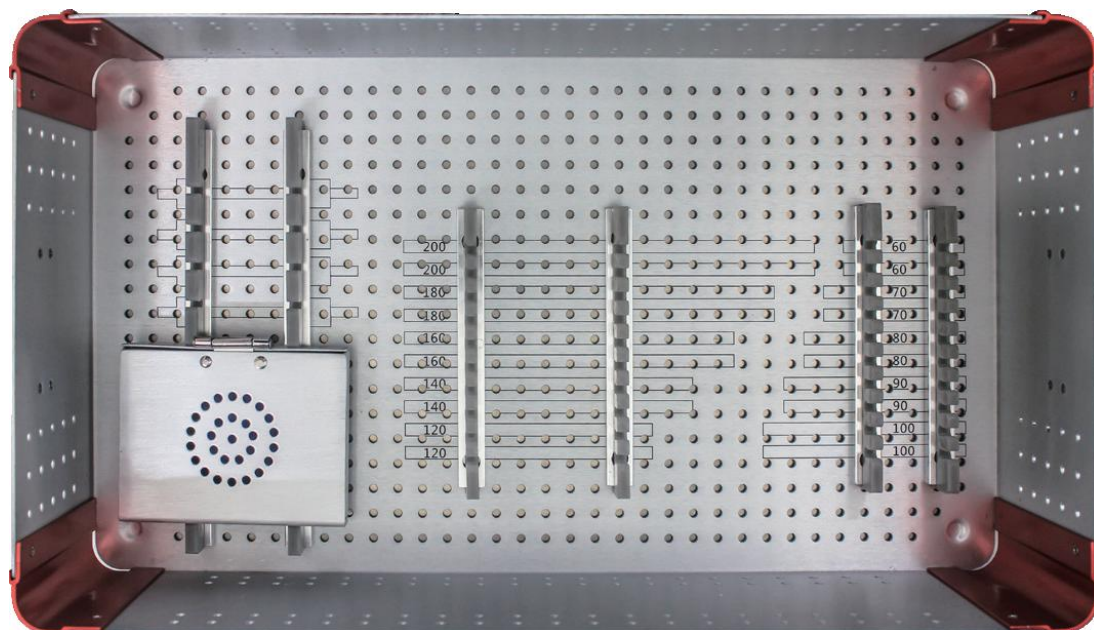
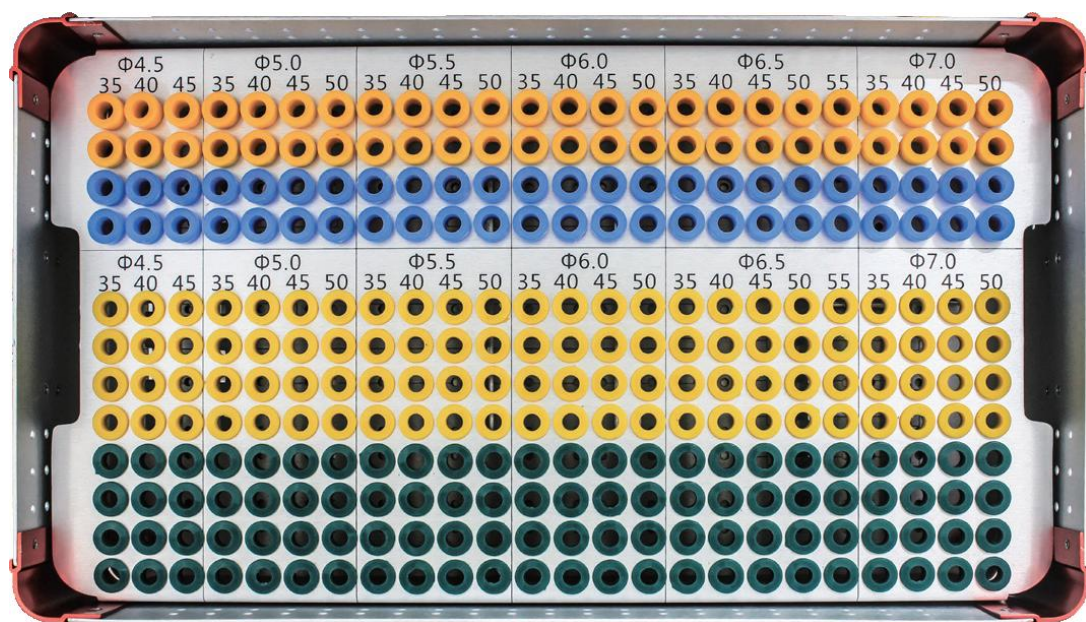
# Minimally Invasive Pedicle Screw System II Instrument Set

189-29-99903

No.	ProductNo.	Product Name	Qty
1	189-29-09200	Net Plate	1
2	189-29-07000	Guide Wire Extractor	2
3	189-29-07300	Puncture Pin	4
4	189-29-07400	Minimally Invasive Guide	8
5	189-29-06400	Adjusting Screwdriver	1
6	189-29-06300	Hard Probe	1
7	189-29-06200	Guide Wire (01.5)	8
8	189-29-05800	Compression Screwdriver (T27)	2
9	189-29-05500	Screw Inserter	2
10	189-29-05400	Screwdriver	1
11	189-29-06100	Open Awl	1
12	189-29-09300	Hollow Tap (04.5)	1
13	189-29-07500	Hollow Tap (05.0)	1
14	189-29-07600	Hollow Tap (05.5)	1
15	189-29-07700	Hollow Tap (06.0)	1
16	189-39-07800	Hollow Tap (06.5)	1
17	189-29-07900	Hollow Tap (07.0)	1
18	189-29-09400	Hollow Tap (07.5)	1
19	189-09-07100	Refurbishment Screwdriver (T27)	1
20	189-29-08000	Final Screwdriver	2
21	189-29-06000	Single End Plug Screwdriver	2
22	189-29-05300	Parallel	1
23	189-29-05200	Counter Spanner	1
24	189-29-08100	Multilayer Sleeve (05.8)	2
25	189-29-06500	Multilayer Sleeve (09)	2
26	189-29-06600	Multilayer Sleeve (012)	2
27	189-29-06700	Multilayer Sleeve (015.2)	2
28	189-29-06800	Multilayer Sleeve (018.5)	2
29	189-29-06900	Multilayer Sleeve (021.8)	2
30	189-29-02800	Rod Holder (5.5)	1
31	189-29-05000	Unlocker	2
32	189-29-08700	Crossed Connecting Device (Short)	1
33	189-29-05600	Rod Bending Forcep	1
34	189-29-08800	Parallel Connecting Device	2
35	189-29-08200	Pre-locking Screwdriver (T27)	1
36	189-29-08400	Curved Connecting Device	2
37	189-29-07200	Parallel Gauge	1
38	189-29-08500	Crossed Gauge	1
39	189-29-08600	Crossed Connecting Device (Long)	1
40	189-29-05100	Minimally Invasive Rod Insertion Device	2
41	189-29-08300	Continuous Self Breaking Screwdriver	2
42	189-29-02600	Quick Coupling Handel (T-shape)	1
43	189-29-08900	Distracting Forcep (Long)	1
44	189-29-09000	Distracting Forcep	1
45	189-29-05700	Mini Ratchet Handel	2
46	189-29-05900	Compression Forcep	1
47	189-29-09100	Instrument Case	1

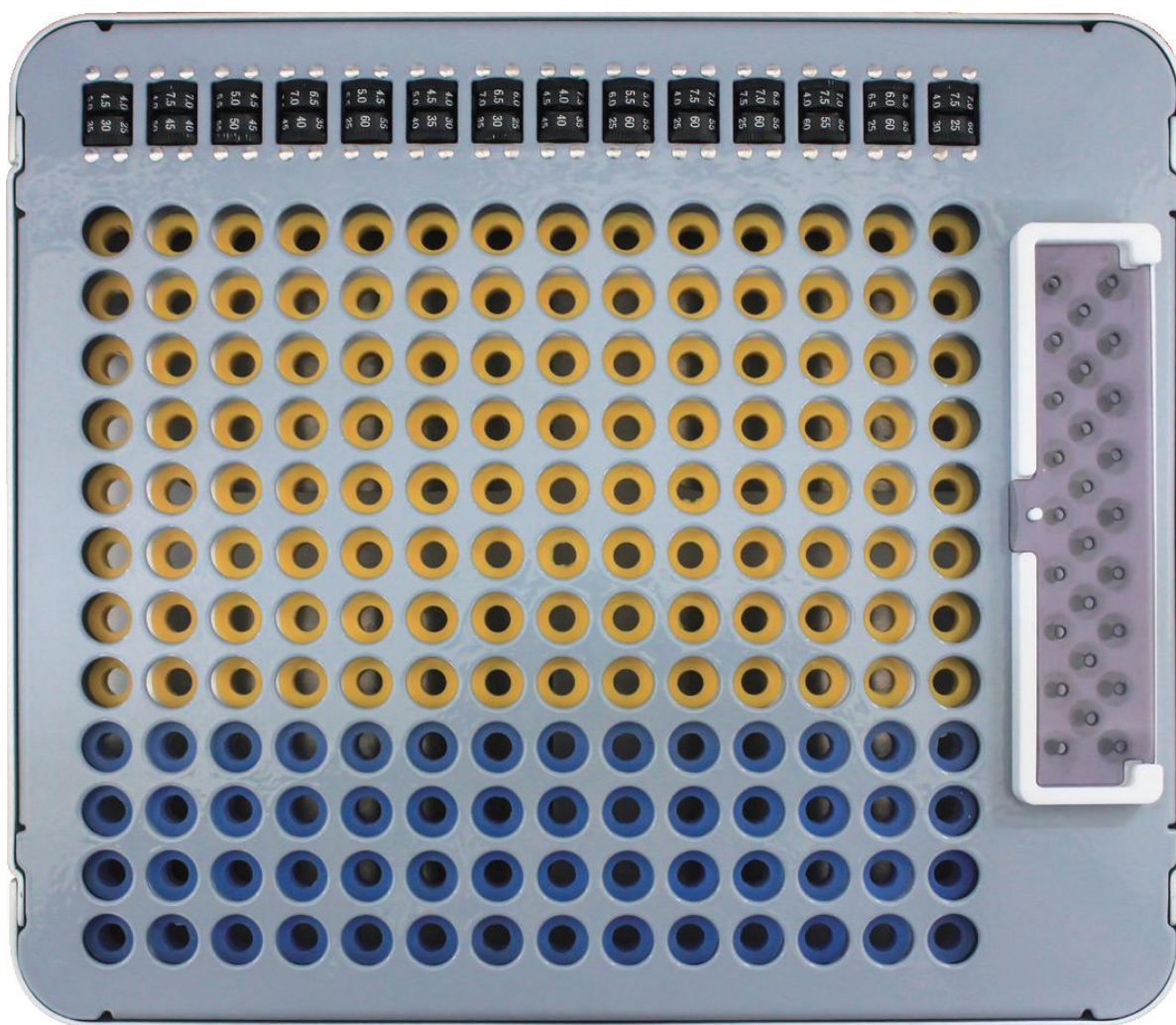
# Pedicle Screw Box

189-27-00000



# Pedicle Screw Box(Customized)

189-90-01900





**CZXY常颖**

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