



POLAR **Spinal System 5.5/6.0**

Features

- The Polar 5.5 Spinal System is low profile system.
- The screws feature a dual - lead thread design with self - tapping cuts, expediting advancement and reducing surgeon fatigue.
- Screws available in 4.5mm. 5.5mm. 6.5mm. 7.5mm and 8.5mm diameters and multiple lengths
- Dual - lead thread pattern for faster insertion and increased pull out strength.
- Polyaxial Range of the motion for ease of use intraoperatively
- Ability to accept diameter 5.5 and 6.0 mm rod.

MIKRON Medikal Implants List		
Product Code	Product Name	EAN Code
TRANSPEDICULAR POSTERIOR FIXATION SYSTEM		
MSFX-PPMA54025	POLAR Mono-Axial Screw 4.0x25mm	8680834327935
MSFX-PPMA54030	POLAR Mono-Axial Screw 4.0x30mm	8680834327942
MSFX-PPMA54035	POLAR Mono-Axial Screw 4.0x35mm	8680834327959
MSFX-PPMA54040	POLAR Mono-Axial Screw 4.0x40mm	8680834327966
MSFX-PPMA54525	POLAR Mono-Axial Screw 4.5x25mm	8680834327973
MSFX-PPMA54530	POLAR Mono-Axial Screw 4.5x30mm	8680834327980
MSFX-PPMA54535	POLAR Mono-Axial Screw 4.5x35mm	8680834301652
MSFX-PPMA54540	POLAR Mono-Axial Screw 4.5x40mm	8680834301669
MSFX-PPMA54545	POLAR Mono-Axial Screw 4.5x45mm	8680834301676
MSFX-PPMA55030	POLAR Mono-Axial Screw 5.0x30mm	8680834327997
MSFX-PPMA55035	POLAR Mono-Axial Screw 5.0x35mm	8680834328000
MSFX-PPMA55040	POLAR Mono-Axial Screw 5.0x40mm	8680834328017
MSFX-PPMA55045	POLAR Mono-Axial Screw 5.0x45mm	8680834328024
MSFX-PPMA55050	POLAR Mono-Axial Screw 5.0x50mm	8680834328031
MSFX-PPMA55530	POLAR Mono-Axial Screw 5.5x30mm	8680834328048
MSFX-PPMA55535	POLAR Mono-Axial Screw 5.5x35mm	8680834301744
MSFX-PPMA55540	POLAR Mono-Axial Screw 5.5x40mm	8680834301751
MSFX-PPMA55545	POLAR Mono-Axial Screw 5.5x45mm	8680834301768
MSFX-PPMA55550	POLAR Mono-Axial Screw 5.5x50mm	8680834301775
MSFX-PPMA55555	POLAR Mono-Axial Screw 5.5x55mm	8680834301782
MSFX-PPMA56035	POLAR Mono-Axial Screw 6.0x35mm	8680834328055
MSFX-PPMA56040	POLAR Mono-Axial Screw 6.0x40mm	8680834328062
MSFX-PPMA56045	POLAR Mono-Axial Screw 6.0x45mm	8680834328079
MSFX-PPMA56050	POLAR Mono-Axial Screw 6.0x50mm	8680834301829
MSFX-PPMA56050	POLAR Mono-Axial Screw 6.0x50mm	8680834328086
MSFX-PPMA56055	POLAR Mono-Axial Screw 6.0x55mm	8680834328093
MSFX-PPMA56535	POLAR Mono-Axial Screw 6.5x35mm	8680834301843
MSFX-PPMA56540	POLAR Mono-Axial Screw 6.5x40mm	8680834301850
MSFX-PPMA56545	POLAR Mono-Axial Screw 6.5x45mm	8680834301867
MSFX-PPMA56550	POLAR Mono-Axial Screw 6.5x50mm	8680834301874
MSFX-PPMA56555	POLAR Mono-Axial Screw 6.5x55mm	8680834328109
MSFX-PPMA57035	POLAR Mono-Axial Screw 7.0x35mm	8680834328116
MSFX-PPMA57040	POLAR Mono-Axial Screw 7.0x40mm	8680834328123
MSFX-PPMA57045	POLAR Mono-Axial Screw 7.0x45mm	8680834328130
MSFX-PPMA57050	POLAR Mono-Axial Screw 7.0x50mm	8680834328147
MSFX-PPMA57055	POLAR Mono-Axial Screw 7.0x55mm	8680834328154
MSFX-PPMA57535	POLAR Mono-Axial Screw 7.5x35mm	8680834301942
MSFX-PPMA57540	POLAR Mono-Axial Screw 7.5x40mm	8680834301959
MSFX-PPMA57545	POLAR Mono-Axial Screw 7.5x45mm	8680834301966
MSFX-PPMA57550	POLAR Mono-Axial Screw 7.5x50mm	8680834301973
MSFX-PPMA57555	POLAR Mono-Axial Screw 7.5x55mm	8680834328161
MSFX-PPMA58035	POLAR Mono-Axial Screw 8.0x35mm	8680834328178
MSFX-PPMA58040	POLAR Mono-Axial Screw 8.0x40mm	8680834328185
MSFX-PPMA58045	POLAR Mono-Axial Screw 8.0x45mm	8680834328192
MSFX-PPMA58050	POLAR Mono-Axial Screw 8.0x50mm	8680834328208
MSFX-PPMA58055	POLAR Mono-Axial Screw 8.0x55mm	8680834328215
MSFX-PPMR55535	POLAR Pedicular Reduction Mono-Axial Screw 4,5x35mm	8680834329281
MSFX-PPMR55540	POLAR Pedicular Reduction Mono-Axial Screw 4,5x40mm	8680834329298
MSFX-PPMR55545	POLAR Pedicular Reduction Mono-Axial Screw 4,5x45mm	8680834329304
MSFX-PPMR55550	POLAR Pedicular Reduction Mono-Axial Screw 4,5x50mm	8680834329311
MSFX-PPMR55535	POLAR Pedicular Reduction Mono-Axial Screw 5,5x35mm	8680834329281
MSFX-PPMR55540	POLAR Pedicular Reduction Mono-Axial Screw 5,5x40mm	8680834329298
MSFX-PPMR55545	POLAR Pedicular Reduction Mono-Axial Screw 5,5x45mm	8680834329304
MSFX-PPMR55550	POLAR Pedicular Reduction Mono-Axial Screw 5,5x50mm	8680834329311
MSFX-PPMR56035	POLAR Pedicular Reduction Mono-Axial Screw 6,0x35mm	8680834329328
MSFX-PPMR56040	POLAR Pedicular Reduction Mono-Axial Screw 6,0x40mm	8680834329335
MSFX-PPMR56045	POLAR Pedicular Reduction Mono-Axial Screw 6,0x45mm	8680834329342
MSFX-PPMR56050	POLAR Pedicular Reduction Mono-Axial Screw 6,0x50mm	8680834329359
MSFX-PPMR56535	POLAR Pedicular Reduction Mono-Axial Screw 6,5x35mm	8680834329366
MSFX-PPMR56540	POLAR Pedicular Reduction Mono-Axial Screw 6,5x40mm	8680834329373
MSFX-PPMR56545	POLAR Pedicular Reduction Mono-Axial Screw 6,5x45mm	8680834329380
MSFX-PPMR56550	POLAR Pedicular Reduction Mono-Axial Screw 6,5x50mm	8680834329397
MSFX-PPMR57035	POLAR Pedicular Reduction Mono-Axial Screw 7,0x30mm	8680834329403
MSFX-PPMR57040	POLAR Pedicular Reduction Mono-Axial Screw 7,0x40mm	8680834329410
MSFX-PPMR57045	POLAR Pedicular Reduction Mono-Axial Screw 7,0x45mm	8680834329427
MSFX-PPMR57050	POLAR Pedicular Reduction Mono-Axial Screw 7,0x50mm	8680834329434
MSFX-PPMR57055	POLAR Pedicular Reduction Mono-Axial Screw 7,0x55mm	8680834329441
MSFX-PPMR57540	POLAR Pedicular Reduction Mono-Axial Screw 7,5x40mm	8680834329458
MSFX-PPMR57545	POLAR Pedicular Reduction Mono-Axial Screw 7,5x45mm	8680834329465
MSFX-PPMR57550	POLAR Pedicular Reduction Mono-Axial Screw 7,5x50mm	8680834329472
MSFX-PPMR57555	POLAR Pedicular Reduction Mono-Axial Screw 7,5x55mm	8680834329489
MSFX-PPPS3525	POLAR Multifunctional Screw 3.5x25mm	8680834300624
MSFX-PPPS3530	POLAR Multifunctional Screw 3.5x30mm	8680834300631
MSFX-PPPS3535	POLAR Multifunctional Screw 3.5x35mm	8680834300648
MSFX-PPPS3540	POLAR Multifunctional Screw 3.5x40mm	8680834300655
MSFX-PPPS3545	POLAR Multifunctional Screw 3.5x45mm	8680834300662
MSFX-PPPS4520	POLAR Multifunctional Screw 4.5x20mm	8680834300679
MSFX-PPPS4525	POLAR Multifunctional Screw 4.5x25mm	8680834300686
MSFX-PPPS4530	POLAR Multifunctional Screw 4.5x30mm	8680834300693
MSFX-PPPS4535	POLAR Multifunctional Screw 4.5x35mm	8680834300709
MSFX-PPPS4540	POLAR Multifunctional Screw 4.5x40mm	8680834300716
MSFX-PPPS4545	POLAR Multifunctional Screw 4.5x45mm	8680834300723
MSFX-PPPS5030	POLAR Multifunctional Screw 5.0x30mm	8680834300730
MSFX-PPPS5035	POLAR Multifunctional Screw 5.0x35mm	8680834300747
MSFX-PPPS5040	POLAR Multifunctional Screw 5.0x40mm	8680834300754
MSFX-PPPS5045	POLAR Multifunctional Screw 5.0x45mm	8680834300761
MSFX-PPPS5050	POLAR Multifunctional Screw 5.0x50mm	8680834300778
MSFX-PPPS5520	POLAR Multifunctional Screw 5.5x20mm	8680834300785
MSFX-PPPS5525	POLAR Multifunctional Screw 5.5x25mm	8680834300792
MSFX-PPPS5530	POLAR Multifunctional Screw 5.5x30mm	8680834300808
MSFX-PPPS5535	POLAR Multifunctional Screw 5.5x35mm	8680834300815
MSFX-PPPS5540	POLAR Multifunctional Screw 5.5x40mm	8680834300822
MSFX-PPPS5545	POLAR Multifunctional Screw 5.5x45mm	8680834300839
MSFX-PPPS5550	POLAR Multifunctional Screw 5.5x50mm	8680834300846
MSFX-PPPS5555	POLAR Multifunctional Screw 5.5x55mm	8680834300853
MSFX-PPPS6035	POLAR Multifunctional Screw 6.0x35mm	8680834300860

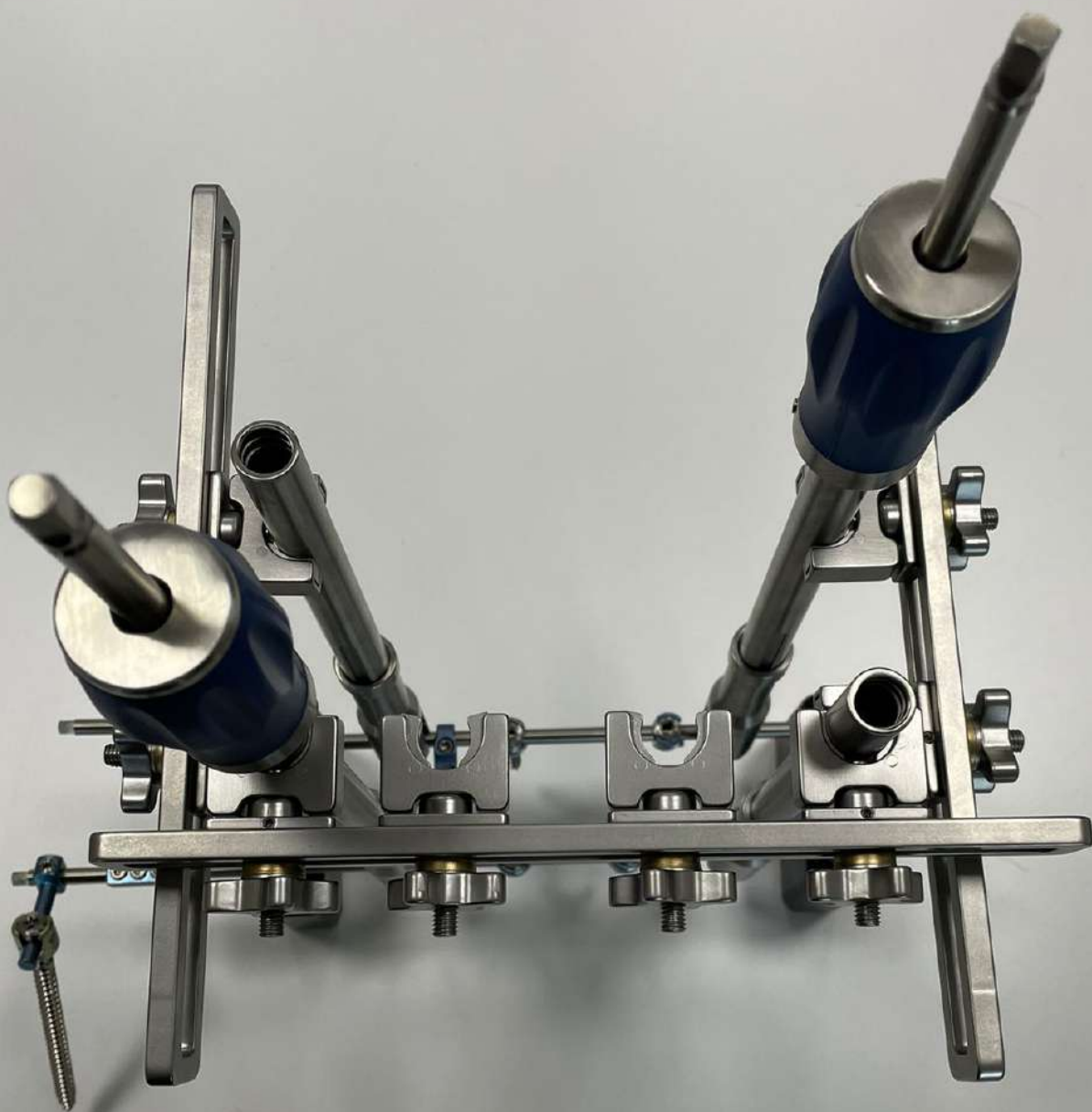
MSFX-PPPS6040	POLAR Multifunctional Screw 6.0x40mm	8680834300877
MSFX-PPPS6045	POLAR Multifunctional Screw 6.0x45mm	8680834300884
MSFX-PPPS6050	POLAR Multifunctional Screw 6.0x50mm	8680834300891
MSFX-PPPS6055	POLAR Multifunctional Screw 6.0x55mm	8680834300907
MSFX-PPPS6530	POLAR Multifunctional Screw 6.5x30mm	8680834300914
MSFX-PPPS6535	POLAR Multifunctional Screw 6.5x35mm	8680834300921
MSFX-PPPS6540	POLAR Multifunctional Screw 6.5x40mm	8680834300938
MSFX-PPPS6545	POLAR Multifunctional Screw 6.5x45mm	8680834300945
MSFX-PPPS6550	POLAR Multifunctional Screw 6.5x50mm	8680834300952
MSFX-PPPS6555	POLAR Multifunctional Screw 6.5x55mm	8680834300969
MSFX-PPPS7035	POLAR Multifunctional Screw 7.0x35mm	8680834300976
MSFX-PPPS7040	POLAR Multifunctional Screw 7.0x40mm	8680834300983
MSFX-PPPS7045	POLAR Multifunctional Screw 7.0x45mm	8680834300990
MSFX-PPPS7050	POLAR Multifunctional Screw 7.0x50mm	8680834301003
MSFX-PPPS7055	POLAR Multifunctional Screw 7.0x55mm	8680834301010
MSFX-PPPS7530	POLAR Multifunctional Screw 7.5x30mm	8680834301027
MSFX-PPPS7535	POLAR Multifunctional Screw 7.5x35mm	8680834301034
MSFX-PPPS7540	POLAR Multifunctional Screw 7.5x40mm	8680834301041
MSFX-PPPS7545	POLAR Multifunctional Screw 7.5x45mm	8680834301058
MSFX-PPPS7550	POLAR Multifunctional Screw 7.5x50mm	8680834301065
MSFX-PPPS7555	POLAR Multifunctional Screw 7.5x55mm	8680834301072
MSFX-PPPS8030	POLAR Multifunctional Screw 8.0x30mm	8680834301089
MSFX-PPPS8035	POLAR Multifunctional Screw 8.0x35mm	8680834301096
MSFX-PPPS8040	POLAR Multifunctional Screw 8.0x40mm	8680834301102
MSFX-PPPS8045	POLAR Multifunctional Screw 8.0x45mm	8680834301119
MSFX-PPPS8050	POLAR Multifunctional Screw 8.0x50mm	8680834301126
MSFX-PPPS8055	POLAR Multifunctional Screw 8.0x55mm	8680834301133
MSFX-CPSS5530	POLAR Cannulated Poly-Axial Screw 5.5x30mm	8680834327744
MSFX-CPSS5535	POLAR Cannulated Poly-Axial Screw 5.5x35mm	8680834327751
MSFX-CPSS5540	POLAR Cannulated Poly-Axial Screw 5.5x40mm	8680834301201
MSFX-CPSS5545	POLAR Cannulated Poly-Axial Screw 5.5x45mm	8680834301218
MSFX-CPSS5550	POLAR Cannulated Poly-Axial Screw 5.5x50mm	8680834301225
MSFX-CPSS5555	POLAR Cannulated Poly-Axial Screw 5.5x55mm	8680834301232
MSFX-CPSS6530	POLAR Cannulated Poly-Axial Screw 6.5x30mm	8680834327768
MSFX-CPSS6535	POLAR Cannulated Poly-Axial Screw 6.5x35mm	8680834327775
MSFX-CPSS6540	POLAR Cannulated Poly-Axial Screw 6.5x40mm	8680834301263
MSFX-CPSS6545	POLAR Cannulated Poly-Axial Screw 6.5x45mm	8680834301270
MSFX-CPSS6550	POLAR Cannulated Poly-Axial Screw 6.5x50mm	8680834301287
MSFX-CPSS6555	POLAR Cannulated Poly-Axial Screw 6.5x55mm	8680834301294
MSFX-CPSS7530	POLAR Cannulated Poly-Axial Screw 7.5x30mm	8680834327782
MSFX-CPSS7535	POLAR Cannulated Poly-Axial Screw 7.5x35mm	8680834327799
MSFX-CPSS7540	POLAR Cannulated Poly-Axial Screw 7.5x40mm	8680834301324
MSFX-CPSS7545	POLAR Cannulated Poly-Axial Screw 7.5x45mm	8680834301331
MSFX-CPSS7550	POLAR Cannulated Poly-Axial Screw 7.5x50mm	8680834301348
MSFX-CPSS7555	POLAR Cannulated Poly-Axial Screw 7.5x55mm	8680834301355
MSFX-SSS6035	POLAR Sacro-Iliac Screw 6.0x35mm	8680834306770
MSFX-SSS6040	POLAR Sacro-Iliac Screw 6.0x40mm	8680834306787
MSFX-SSS6045	POLAR Sacro-Iliac Screw 6.0x45mm	8680834306794
MSFX-SSS6050	POLAR Sacro-Iliac Screw 6.0x50mm	8680834306800
MSFX-SSS6055	POLAR Sacro-Iliac Screw 6.0x55mm	8680834306817
MSFX-SSS7040	POLAR Sacro-Iliac Screw 7.0x40mm	8680834306824
MSFX-SSS7045	POLAR Sacro-Iliac Screw 7.0x45mm	8680834306831
MSFX-SSS7050	POLAR Sacro-Iliac Screw 7.0x50mm	8680834306848
MSFX-SSS7055	POLAR Sacro-Iliac Screw 7.0x55mm	8680834306855
MSFX-SSS7060	POLAR Sacro-Iliac Screw 7.0x60mm	8680834332465
MSFX-SSS7070	POLAR Sacro-Iliac Screw 7.0x70mm	8680834332472
MSFX-SSS7080	POLAR Sacro-Iliac Screw 7.0x80mm	8680834332489
MSFX-SSS7090	POLAR Sacro-Iliac Screw 7.0x90mm	8680834332496
MSFX-SSS70100	POLAR Sacro-Iliac Screw 7.0x100mm	8680834332502
MSFX-SSS8035	POLAR Sacro-Iliac Screw 8.0x35mm	8680834332519
MSFX-SSS8040	POLAR Sacro-Iliac Screw 8.0x40mm	8680834332526
MSFX-SSS8045	POLAR Sacro-Iliac Screw 8.0x45mm	8680834332533
MSFX-SSS8050	POLAR Sacro-Iliac Screw 8.0x50mm	8680834332540
MSFX-SSS8055	POLAR Sacro-Iliac Screw 8.0x55mm	8680834332557
MSFX-SSS8060	POLAR Sacro-Iliac Screw 8.0x60mm	8680834332564
MSFX-SSS8070	POLAR Sacro-Iliac Screw 8.0x70mm	8680834332571
MSFX-SSS8080	POLAR Sacro-Iliac Screw 8.0x80mm	8680834332588
MSFX-SSS8090	POLAR Sacro-Iliac Screw 8.0x90mm	8680834332595
MSFX-SSS80100	POLAR Sacro-Iliac Screw 8.0x100mm	8680834332601
MSFX-PPRPS4525	POLAR Poly-Axial Reduction Screw 4.5x30mm	8680834329280
MSFX-PPRPS4530	POLAR Poly-Axial Reduction Screw 4.5x35mm	8680834329281
MSFX-PPRPS4535	POLAR Poly-Axial Reduction Screw 4.5x40mm	8680834329298
MSFX-PPRPS4540	POLAR Poly-Axial Reduction Screw 4.5x45mm	8680834329304
MSFX-PPRPS4545	POLAR Poly-Axial Reduction Screw 4.5x50mm	8680834329311
MSFX-PPRPS5030	POLAR Poly-Axial Reduction Screw 5.0x30mm	8680834330447
MSFX-PPRPS5035	POLAR Poly-Axial Reduction Screw 5.0x35mm	8680834330454
MSFX-PPRPS5040	POLAR Poly-Axial Reduction Screw 5.0x40mm	8680834330461
MSFX-PPRPS5045	POLAR Poly-Axial Reduction Screw 5.0x45mm	8680834330478
MSFX-PPRPS5050	POLAR Poly-Axial Reduction Screw 5.0x50mm	8680834330485
MSFX-PPRPS5055	POLAR Poly-Axial Reduction Screw 5.0x55mm	8680834330492
MSFX-PPRPS5530	POLAR Poly-Axial Reduction Screw 5.5x30mm	8680834302307
MSFX-PPRPS5535	POLAR Poly-Axial Reduction Screw 5.5x35mm	8680834302314
MSFX-PPRPS5540	POLAR Poly-Axial Reduction Screw 5.5x40mm	8680834302321
MSFX-PPRPS5545	POLAR Poly-Axial Reduction Screw 5.5x45mm	8680834302338
MSFX-PPRPS5550	POLAR Poly-Axial Reduction Screw 5.5x50mm	8680834302345
MSFX-PPRPS5555	POLAR Poly-Axial Reduction Screw 5.5x55mm	8680834302352
MSFX-PPRPS6035	POLAR Poly-Axial Reduction Screw 6.0x35mm	8680834302369
MSFX-PPRPS6040	POLAR Poly-Axial Reduction Screw 6.0x40mm	8680834302376
MSFX-PPRPS6045	POLAR Poly-Axial Reduction Screw 6.0x45mm	8680834302383
MSFX-PPRPS6050	POLAR Poly-Axial Reduction Screw 6.0x50mm	8680834302390
MSFX-PPRPS6535	POLAR Poly-Axial Reduction Screw 6.5x35mm	8680834302406
MSFX-PPRPS6540	POLAR Poly-Axial Reduction Screw 6.5x40mm	8680834302413
MSFX-PPRPS6545	POLAR Poly-Axial Reduction Screw 6.5x45mm	8680834302420
MSFX-PPRPS6550	POLAR Poly-Axial Reduction Screw 6.5x50mm	8680834302437
MSFX-PPRPS6555	POLAR Poly-Axial Reduction Screw 6.5x55mm	8680834302444
MSFX-PPRPS7035	POLAR Poly-Axial Reduction Screw 7.0x35mm	8680834302451
MSFX-PPRPS7040	POLAR Poly-Axial Reduction Screw 7.0x40mm	8680834302468
MSFX-PPRPS7045	POLAR Poly-Axial Reduction Screw 7.0x45mm	8680834302475
MSFX-PPRPS7050	POLAR Poly-Axial Reduction Screw 7.0x50mm	8680834302482
MSFX-PPRPS7055	POLAR Poly-Axial Reduction Screw 7.0x55mm	8680834302499

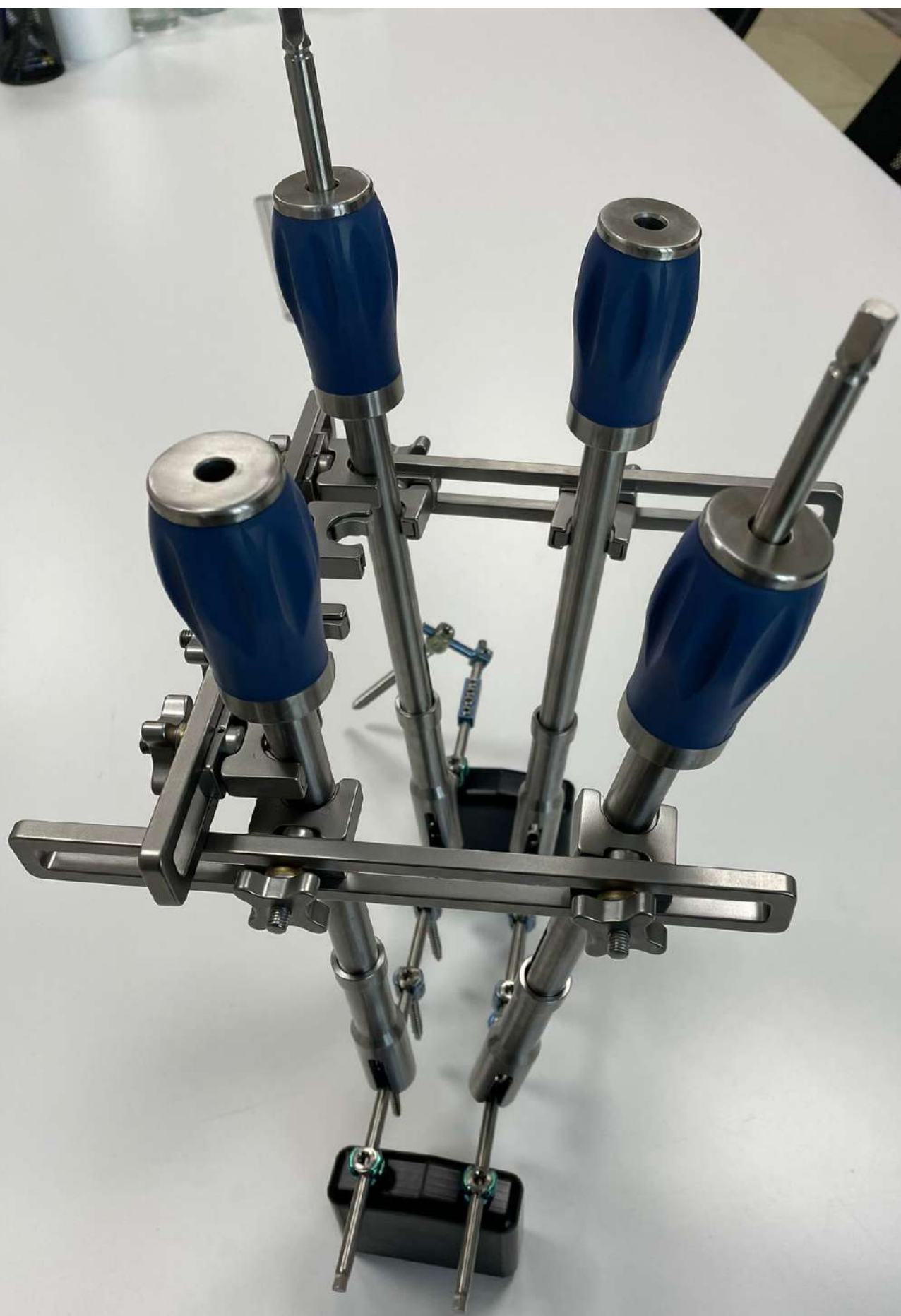
MSFX-PPRPS7535	POLAR Poly-Axial Reduction Screw 7.5x35mm	8680834302505
MSFX-PPRPS7540	POLAR Poly-Axial Reduction Screw 7.5x40mm	8680834302512
MSFX-PPRPS7545	POLAR Poly-Axial Reduction Screw 7.5x45mm	8680834302529
MSFX-PPRPS7550	POLAR Poly-Axial Reduction Screw 7.5x50mm	8680834302536
MSFX-PPRPS7555	POLAR Poly-Axial Reduction Screw 7.5x55mm	8680834302543
LH0505	POLAR Laminar Hook 5x5mm	8680834306558
LH0507	POLAR Laminar Hook 5x7mm	8680834306565
LH0509	POLAR Laminar Hook 5x9mm	8680834306572
LH0706	POLAR Laminar Hook 7x6mm	8680834306589
LH0707	POLAR Laminar Hook 7x7mm	8680834306596
LH0709	POLAR Laminar Hook 7x9mm	8680834306602
LH0711	POLAR Laminar Hook 7x11mm	8680834306619
PH0805	POLAR Pedicular Hook, Small 8x5mm	8680834306503
PH0807	POLAR Pedicular Hook, Small 8x7mm	8680834306510
PH0809	POLAR Pedicular Hook, Small 8x9mm	8680834306527
Ti SR1604	POLAR Rod 6,0x40mm	8680834305469
Ti SR1605	POLAR Rod 6,0x50mm	8680834305476
Ti SR1606	POLAR Rod 6,0x60mm	8680834305483
Ti SR1607	POLAR Rod 6,0x70mm	8680834305490
Ti SR1608	POLAR Rod 6,0x80mm	8680834305506
Ti SR1609	POLAR Rod 6,0x90mm	8680834305513
Ti SR1610	POLAR Rod 6,0x100mm	8680834305520
Ti SR1611	POLAR Rod 6,0x110mm	8680834305537
Ti SR1612	POLAR Rod 6,0x120mm	8680834305544
Ti SR1613	POLAR Rod 6,0x130mm	8680834305551
Ti SR1614	POLAR Rod 6,0x140mm	8680834305568
Ti SR1615	POLAR Rod 6,0x150mm	8680834305575
Ti SR1616	POLAR Rod 6,0x160mm	8680834305582
Ti SR1617	POLAR Rod 6,0x170mm	8680834305599
Ti SR1618	POLAR Rod 6,0x180mm	8680834305605
Ti SR1619	POLAR Rod 6,0x190mm	8680834305612
Ti SR1620	POLAR Rod 6,0x200mm	8680834305629
Ti SR1621	POLAR Rod 6,0x210mm	8680834305636
Ti SR1622	POLAR Rod 6,0x220mm	8680834305643
Ti SR1623	POLAR Rod 6,0x230mm	8680834305650
Ti SR1624	POLAR Rod 6,0x240mm	8680834305667
Ti SR1625	POLAR Rod 6,0x250mm	8680834305674
Ti SR1626	POLAR Rod 6,0x260mm	8680834305681
Ti SR1627	POLAR Rod 6,0x270mm	8680834305698
Ti SR1628	POLAR Rod 6,0x280mm	8680834305704
Ti SR1629	POLAR Rod 6,0x290mm	8680834305711
Ti SR1630	POLAR Rod 6,0x300mm	8680834305728
Ti SR1631	POLAR Rod 6,0x310mm	8680834305735
Ti SR1632	POLAR Rod 6,0x320mm	8680834305742
Ti SR1640	POLAR Rod 6,0x400mm	8680834305759
Ti SR1648	POLAR Rod 6,0x480mm	8680834305766
Ti SR1650	POLAR Rod 6,0x500mm	8680834305773
Ti SR1660	POLAR Rod 6,0x600mm	8680834305780
Cocr SR1604	POLAR Rod 6,0x40mm	8680834312658
Cocr SR1605	POLAR Rod 6,0x50mm	8680834312665
Cocr SR1606	POLAR Rod 6,0x60mm	8680834312672
Cocr SR1607	POLAR Rod 6,0x70mm	8680834312689
Cocr SR1608	POLAR Rod 6,0x80mm	8680834312696
Cocr SR1609	POLAR Rod 6,0x90mm	8680834312702
Cocr SR1610	POLAR Rod 6,0x100mm	8680834312719
Cocr SR1611	POLAR Rod 6,0x110mm	8680834312726
Cocr SR1612	POLAR Rod 6,0x120mm	8680834312733
Cocr SR1613	POLAR Rod 6,0x130mm	8680834312740
Cocr SR1614	POLAR Rod 6,0x140mm	8680834312757
Cocr SR1615	POLAR Rod 6,0x150mm	8680834312764
Cocr SR1616	POLAR Rod 6,0x160mm	8680834329885
Cocr SR1617	POLAR Rod 6,0x170mm	8680834329892
Cocr SR1618	POLAR Rod 6,0x180mm	8680834329908
Cocr SR1619	POLAR Rod 6,0x190mm	8680834329915
Cocr SR1620	POLAR Rod 6,0x200mm	8680834329922
Cocr SR1621	POLAR Rod 6,0x210mm	8680834329939
Cocr SR1622	POLAR Rod 6,0x220mm	8680834329946
Cocr SR1623	POLAR Rod 6,0x230mm	8680834329953
Cocr SR1624	POLAR Rod 6,0x240mm	8680834329960
Cocr SR1625	POLAR Rod 6,0x250mm	8680834329977
Cocr SR1626	POLAR Rod 6,0x260mm	8680834329984
Cocr SR1627	POLAR Rod 6,0x270mm	8680834329991
Cocr SR1628	POLAR Rod 6,0x280mm	8680834330003
Cocr SR1629	POLAR Rod 6,0x290mm	8680834330010
Cocr SR1630	POLAR Rod 6,0x300mm	8680834330027
Cocr SR1631	POLAR Rod 6,0x310mm	8680834330034
Cocr SR1632	POLAR Rod 6,0x320mm	8680834330041
Cocr SR1640	POLAR Rod 6,0x400mm	8680834330058
Cocr SR1648	POLAR Rod 6,0x480mm	8680834330065
Cocr SR1650	POLAR Rod 6,0x500mm	8680834330072
Cocr SR1660	POLAR Rod 6,0x600mm	8680834330089
TLR140	POLAR Transverse Link 40mm	8680834306374
TLR150	POLAR Transverse Link 50mm	8680834306381
TLR160	POLAR Transverse Link 60mm	8680834306398
TLR170	POLAR Transverse Link 70mm	8680834306404
TLR180	POLAR Transverse Link 80mm	8680834306411
TLR190	POLAR Transverse Link 90mm	8680834323548
TLR200	POLAR Transverse Link 100mm	8680834323555
CLC50TB	POLAR Cross Connector 30-40mm	8680834307166
CLC60TB	POLAR Cross Connector 40-50mm	8680834307173
CLC70TB	POLAR Cross Connector 50-60mm	8680834307180
CLC80TB	POLAR Cross Connector 60-70mm	8680834307197
TL140	POLAR Transverse Connector 40-50mm	8680834306329
TL150	POLAR Transverse Connector 50-60mm	8680834306336
TL160	POLAR Transverse Connector 60-70mm	8680834306343
TL170	POLAR Transverse Connector 70-80mm	8680834306350

TL180	POLAR Transverse Connector 80-90mm	8680834306367
TL190	POLAR Transverse Connector 90mm	8680834323524
TL200	POLAR Transverse Connector 100mm	8680834323531
SSTKTD	POLAR Thoracolumbar Domino Connector	8680834323746
ECNT01	POLAR Lateral Connector	8680834306473
LCNT20	POLAR Lateral Extension 20mm	8680834306466











MANAGEMENT SYSTEM
ISO/IEC 17021-1:2015
NAC-002-MS

Certificate of Registration

This is to certify that

**Quality Management System
for Medical Devices**

of

**MİKRON MAKİNA
SANAYİ VE TİCARET LİMİTED ŞİRKETİ**

İVEDİK ORGANİZE SANAYİ BÖLGESİ MAH. AĞAÇ İŞLERİ SANAYİ SİTESİ. 1372. SOK. NO:31
YENİMAHALLE - ANKARA / TÜRKİYE

MANUFACTURING SITE: DAĞYAKA MAH. DAĞYAKA CAD. NO:38 KAHRAMANKAZAN ANKARA / TÜRKİYE

complies with requirements of

ISO 13485:2016

This certificate is valid concerning all activities related to;

SPİNAL VE TRAVMA İMPLANTLARI, AMELİYAT EL ALETLERİ VE
GENEL EL ALETLERİ TASARIMI ÜRETİMİ VE DAĞITIMI

DESIGN, MANUFACTURE AND DISTRIBUTION OF SPINAL & TRAUMA IMPLANTS,
SURGICAL INSTRUMENTS AND GENERAL INSTRUMENTS

ISO 02 848 1089

Certificate No.

Feb. 11, 2021

Date of this Certificate

Mar. 3, 2022

**Next Audit Due Date*

Mar. 4, 2020

Date of Initial Registration

Mar. 3, 2023

Certification Expiry Date

Managing Director / Director



Medicert Uluslararası Ürün Ve Sistem Belgelendirme Ltd. Şti.
Tersane Mah. Cemal Gürsel Cad. No:11/3 Halide Hnm. Apt. Karşıyaka / İzmir
Tel: 0232 327 33 44 www.medicert.com.tr info@medicert.com.tr

This certificate is only valid if it is available/valid on Medicert website at www.medicert.com.tr

This certificate of Registration remains the property of Medicert Certificate Ltd and shall be returned immediately upon request
* In Case if Surveillance Audit is not allowed to be conducted on or before the specified date; the Certificate shall be Suspended/Withdrawn.





C E R T I F I C A T E

Full Quality Assurance System

Medical Devices Directive 93/42/EEC Annex II (Excluding Section 4)

Company Name : Mikron Makina Sanayi ve Ticaret Ltd. Şti.

Company Address : İvedik OSB Mah. Ağaç İşleri Sanayi Sitesi 1372. Sk. No:31 Yenimahalle
ANKARA / TURKEY

Manufacturing Site (Branch Office) : Dağyaka Mah. Dağyaka Cad. No:38 Kahramankazan
ANKARA / TURKEY

Related Directives and Annex : 93/42/EEC Medical Devices Directive - Annex II (Excluding Section 4)

Product : Non-Sterile Spinal Screw Rod System - Class IIb
Sterile Cervical & Lomber Peek Cages - Class IIb
Non-Sterile Corpectomy Cages - Class IIb
Sterile Cervical Mobile Disc Prosthesis - Class IIb
Non-Sterile Plates - Class IIb
Non-Sterile Bone Plates & Bone Screw - Class IIb

GMDN : 37272, 43084, 38161, 34170, 46647, 56642, 35685, 58446, 48011,
61325, 32854

Product Types are attached.

Certificate Number : M.2017.106.8497

Report Number : MD.3468.YB

Initial Assessment Date : 22.05.2017

Registration Date : 07.06.2017

Recertification Assessment Date : 20.12.2019

Reissue Date / No : 15.04.2020/01

Revision Date /No : -

Expiry Date : 27.05.2024



UDEM International Certification
Auditing Training Centre Industry
and Trade Inc. Co.



UDEM hereby declares that the requirements of Annex II, excluding section 4 of the 93/42/EEC Directive have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance audits, defined by Annex II, section 5 of the forementioned directive. According to Annex II, section 4 an EC design- examination certificate is required for placing the Class III devices on the market. UDEM's responsibility for class I devices covered by the EC certificate is limited to manufacturing issues related to safeguarding and maintaining sterile conditions, if the device is sterile; and manufacturing issues related to product's conformity with metrological requirements, if it has measurement function. This certificate remains as the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named company and UDEM must keep a copy of this certificate for 5 years from the registration of the certificate. Usage of the CE mark is under the responsibility of the manufacturer with the completion of EC Declaration of Conformity. The above mentioned company must notify all changes related with the approved product to UDEM. If UDEM will not renew the expiry date of this certificate in question, the mentioned company should stop placing the product on the market. The validity of the certificate can be checked through www.udem.com.tr.

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY

Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76

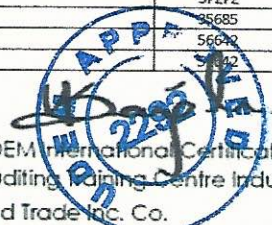
E-mail: info@udemltd.com.tr www.udem.com.tr

LIST OF PRODUCTS	GMDN
Non-Sterile Spinal Screw Rod System	
MSFX -MIKRON SPINAL STABILISATION POLYAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILISATION MULTIFUNCTIONAL SCREW	37272
MSFX -MIKRON SPINAL STABILISATION POLYAXIAL CANNULATED-CEMENTED SCREW	37272
MSFX -MIKRON SPINAL STABILISATION MONOAXIAL CANNULATED-CEMENTED SCREW	37272
MSFX -MIKRON SPINAL STABILISATION MONOAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLYAXIAL SPONDYLOLISTHESIS SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION MULTIFUNCTIONAL SPONDYLOLISTHESIS SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION MONOAXIAL SPONDYLOLISTHESIS SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR POLYAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR MULTIFUNCTIONAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR CANNULATED-CEMENTED MULTIFUNCTIONAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR CANNULATED-CEMENTED MONOAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR MONOAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR SPONDYLOLISTHESIS POLYAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR SPONDYLOLISTHESIS MULTIFUNCTIONAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION POLAR PEDICULAR SPONDYLOLISTHESIS MONOAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION ROD	58446
MSFX -MIKRON SPINAL STABILIZATION ANTERIOR ROD	58446
MSFX -MIKRON SPINAL STABILIZATION TRANSVERSE CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION TRANSVERSE CERVICAL CONNECTOR ROD	58446
MSFX -MIKRON SPINAL STABILIZATION TRANSVERSE CONNECTOR HOOK	48011
MSFX -MIKRON SPINAL STABILIZATION MULTIAXIAL TRANSVERSE CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION LATERAL CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION EXTENSION CONNECTOR FOR 1 ROD	58446
MSFX -MIKRON SPINAL STABILIZATION EXTENSION CONNECTOR FOR 2 ROD	58446
MSFX -MIKRON SPINAL STABILIZATION MULTIAXIAL CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION PEDICULAR HOOK SMALL	61325
MSFX -MIKRON SPINAL STABILIZATION PEDICULAR HOOK OFFSET	61325
MSFX -MIKRON SPINAL STABILIZATION LAMINAR HOOK	61325
MSFX -MIKRON SPINAL STABILIZATION LAMINAR HOOK LEFT ANGLED	61325
MSFX -MIKRON SPINAL STABILIZATION LAMINAR HOOK RIGHT ANGLED	61325
MSFX -MIKRON SPINAL STABILIZATION LAMINAR HOOK OFFSET LEFT/RIGHT	61325
MSFX -MIKRON SPINAL STABILIZATION 3 TYPE HOOK LEFT	61325
MSFX -MIKRON SPINAL STABILIZATION 3 TYPE HOOK RIGHT	61325
MSFX -MIKRON SPINAL STABILIZATION INTERSPINOUS U DEVICE	37272
MSFX -MIKRON SPINAL STABILIZATION CERVICAL POSTERIOR POLYAXIAL SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION CERVICAL ROD	58446
THORACOLUMBAR POSTERIOR POLYAXIAL SCREW TITANIUM SELF TAPPING	37272
THORACOLUMBAR POSTERIOR LINK CONNECTOR TITANIUM DOMINOTO FOR 1 ROD	58446
THORACOLUMBAR POSTERIOR LINK CONNECTOR TITANIUM DOMINOTO FOR 2 ROD	58446
THORACOLUMBAR POSTERIOR LINK CONNECTOR TITANIUM AXIAL	58446
THORACOLUMBAR POSTERIOR LINK CONNECTOR TITANIUM AXIAL 2	58446
MSFX -MIKRON SPINAL STABILIZATION POLYAXIAL HEMISPHERICAL SCREW	37272
MSFX -MODULER RIGID PLATE SMALL	46647
MSFX -MODULER RIGID PLATE LARGE	46647
MSFX -MODULER RIGID PLATE SACRUM	46647
MSFX -MODULAR DOUBLE SIDED DYNAMIC PLATE SMALL	46647
MSFX -MODULAR DOUBLE SIDED DYNAMIC PLATE LARGE	46647
MSFX -MODULAR SEMI RIGID PLATE SMALL	46647
MSFX -MODULAR SEMI RIGID PLATE LARGE	46647
MSFX -MIKRON SPINAL STABILIZATION SPHERICAL CONNECTOR	61325
MSFX -MIKRON SPINAL STABILIZATION SPHERICAL CROSS CONNECTOR	61325
POLYAXIAL CONNECTOR CLAMP	58446
MIDDLE CONNECTOR CLAMP	58446
CONNECTOR CLAMP	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC POLYAXIAL SCREW + Setscrew	37272
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC POLYAXIAL SPONDYLOLISTHESIS SCREW + Setscrew	37272
MSFX -MIKRON SPINAL STABILIZATION PEDIATRIC ROD	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC ROD CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC LAMINAR CONNECTOR	48011
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC PEDICUL HOOK	48011
MSFX -MODULAR DYNAMIC PLATE SMALL	58446
MSFX -MODULAR DYNAMIC PLATE LARGE	58446
MSFX -MODULAR DYNAMIC PLATE SMALL	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC POLYAXIAL SPONDYLOLISTHESIS SCREW + Setscrew	37272
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC TRANSVERSE CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC ROD CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC LATERAL CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS PEDIATRIC AXIAL CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION MONOAXIAL HOOK TRANSVERSE CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION HIGH FLEX LUMBAR EXPANDABLE PEEK CAGE	38161
MSFX -MIKRON SPINAL STABILIZATION ANTERIOR TITANIUM PLATE CORPUS RIGHT	46647
MSFX -MIKRON SPINAL STABILIZATION ANTERIOR TITANIUM PLATE CORPUS LEFT	46647
MSFX -MIKRON SPINAL STABILIZATION ANTERIOR TRANSVERSE CONNECTOR	58446
MSFX -SPHERICAL TRANSVERSE CONNECTOR SCREW TO SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION SPHERICAL CONNECTOR PEDIATRIC SCREW TO SCREW	37272
MSFX -MIKRON SPINAL STABILIZATION TRANSVERSE LINK AXIAL	58446
MSFX -MIKRON SPINAL STABILIZATION PEDIS TRANSVERSE LINK PEDIATRIC	58446
MSFX -MIKRON SPINAL STABILIZATION SACRAL CONNECTOR	58446
MSFX -MIKRON SPINAL STABILIZATION SACRAL MULTIAXIAL CONNECTOR	58446



This document containing 3 (three) pages is the Annex of the Certificate with the number M.2017.106.8497 and with the registration date of 07.06.2017 and with the re-issue date 15.04.2020 issued for "Mikron Makina Sanayi ve Ticaret Ltd. Şti." by UDEM Uluslararası Belgelendirme Denetim Eğitim Merkezi San. ve Tic. A.Ş. that is giving service as Notified Body with the ID No: 2292 according to 93/42/EEC Medical Devices Directive.

MSFX-MIKRON SPINAL STABILIZATION SACRAL-ILIAC SCREW	37272
MSFX-MIKRON SPINAL STABILIZATION ANTERIOR AGRAP PLATE	61325
MSFX-MIKRON SPINAL STABILIZATION ANTERIOR TRANSVERSE CONNECTOR	58446
Sterile Cervical & Lumbar Peek Cages	
MSFX-MIKRON SPINAL LUMBAR FUSION PEEK CAGE	38161
MSFX-MIKRON SPINAL LUMBAR FUSION PEEK CAGE ANGLED	38161
MSFX-MIKRON SPINAL STABILIZATION MINIMAL INVASIVE TLIF CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION HIGH FLEX LUMBAR EXPANDABLE PEEK CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION HIGH FLEX EXPANDABLE CERVICAL PEEK CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION TLIF CAGE	38161
MSFX-MIKRON SPINAL FIXATION BANANA CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION TLIF CAGE ANGLED	38161
MSFX-MIKRON SPINAL FIXATION BANANA CAGE ANGLED	38161
MSFX-MIKRON SPINAL STABILIZATION HIGH FLEX EXPANDABLE TLIF PEEK CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION CERVICAL BLADED PEEK CAGE & ANATOMICAL SURFACE	38161
MSFX-MIKRON SPINAL STABILIZATION CERVICAL PEEK CAGE & ANATOMICAL SURFACE	38161
Non-Sterile Corpectomy Cages	
MSFX-MIKRON SPINAL STABILIZATION LUMBAR CORPECTOMY CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION LUMBAR CORPECTOMY CAGE ANGLED	38161
MSFX-MIKRON SPINAL STABILIZATION CERVICAL CORPECTOMY TITANIUM CAGE	38161
MSFX-MIKRON SPINAL STABILIZATION CERVICAL CORPECTOMY TITANIUM CAGE ANGLED	38161
MSFX-MIKRON SPINAL STABILIZATION CORPECTOMY CAGE SCREW	38161
Sterile Cervical Mobile Disc Prosthesis	
MOBILE CERVICAL DISC PROSTHESIS	43084
Non-Sterile Plates	
MSFX-MIKRON SPINAL STABILIZATION CERVICAL ANTERIOR PLATE	61325
MSFX-MIKRON SPINAL STABILIZATION CERVICAL ANTERIOR PLATE SCREW	37272
MSFX-MIKRON SPINAL STABILIZATION CERVICAL ANTERIOR PLATE SCREW- REVISION	37272
Non-Sterile Bone Plates & Bone Screw	
CLAVICLE DISTAL LOCKING PLATE	46647
CLAVICLE SHAFT LOCKING PLATE	46647
CLAVICLE HOOK LOCKING PLATE	46647
HUMERUS PROXIMAL LOCKING PLATE	46647
HUMERUS DISTAL MEDIAL LOCKING PLATE	46647
HUMERUS DISTAL LATERAL LOCKING PLATE	46647
HUMERUS DISTAL POSTEROLATERAL LOCKING PLATE	46647
ULNA PROXIMAL LOCKING PLATE	46647
SMALL BROAD LOCKING PLATE	46647
SMALL NARROW LOCKING PLATE	46647
RADIUS PROXIMAL LOCKING PLATE	46647
RADIUS DISTAL VOLLARE LOCKING PLATE	46647
RADIUS DISTAL DORSAL LOCKING PLATE	46647
PELVIS RECONSTRUCTION STRAIGHT LOCKING PLATE	46647
PELVIS RECONSTRUCTION CURVED LOCKING PLATE	46647
TIBIA DISTAL MEDIAL LOCKING PLATE	46647
TIBIA DISTAL ANTEROLATERAL LOCKING PLATE	46647
FIBULA DISTAL LOCKING PLATE	46647
SMALL METAPHYSEAL LOCKING PLATE	46647
SEMITUBULAR LOCKING PLATE	46647
KALKANEUS LOCKING PLATE	46647
ULNA DISTAL LOCKING PLATE	46647
RECONSTRUCTION SHAFT LOCKING PLATE	46647
ULNA PROXIMAL HOOK LOCKING PLATE	46647
SMALL(MINI) FOOT LOCKING PLATE	46647
SMALL (MINI) FOOT STRAIGHT LOCKING PLATE	46647
SMALL HAND LOCKING PLATE	46647
SMALL HAND STRAIGHT LOCKING PLATE	46647
LARGE NARROW LOCKING PLATE	46647
LARGE BROAD LOCKING PLATE	46647
FEMUR PROXIMAL LOCKING PLATE	46647
FEMUR PROXIMAL NECK LOCKING PLATE	46647
FEMUR PROXIMAL TROCHANTER LOCKING PLATE	46647
FEMUR DISTAL LOCKING PLATE	46647
TIBIA PROXIMAL LATERAL LOCKING PLATE	46647
TIBIA PROXIMAL MEDIAL T LOCKING PLATE	46647
TIBIA PROXIMAL MEDIAL L LOCKING PLATE	46647
TIBIA DISTAL LATERAL LOCKING PLATE	46647
LARGE METAPHYSEAL LOCKING NARROW PLATE	46647
LOCKING SELF TAPPING CORTICAL SCREW	37272
LOCKING SELF DRILLING SCREW	37272
LOCKING SELF TAPPING CANCELLOUS SCREW	37272
HEXAGONAL UNLOCKED SELF TAPPING CORTICAL SCREW	37272
HEXAGONAL UNLOCKED SELF TAPPING CANCELLOUS SCREW	37272
CANNULATED FULL GROVED SCREW	37272
CANNULATED CANCELLOUS SCREW	37272
ANKLE SCREW	37272
HEXAGONAL LOCKING SELF DRILLING CANNULATED SCREW	37272
LOCKING SELF TAPPING CORTICAL SCREW	37272
UNLOCKED SELF TAPPING CORTICAL SCREW	37272
TROCAR KIRSHNER WIRE	35685
WASHER SMALL	56632
WASHER MEDIUM	56632





This document containing 3 (three) pages is the Annex of the Certificate with the number M.2017.106.8497 and with the registration date of 07.06.2017 and with the re-issue date 15.04.2020 issued for "Mikron Makina Sanayi ve Ticaret Ltd. Şti." by UDEM Uluslararası Belgelendirme Denetim Eğitim Merkezi San. ve Tic. A.Ş. that is giving service as Notified Body with the ID No: 2292 according to 93/42/EEC Medical Devices Directive.

WASHER LARGE	56642
WASHER EKSTRA EKSTRA LARGE	56642
WASHER EKSTRA LARGE	56642
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL ELASTIC NAIL RADIUS/ULNA/FEMUR/TIBIA/HUMERUS NOT CANNULATED TEN ELASTIC NAIL SCREW	37272
TEN ELASTIC NAIL AND CAP SMALL	37272
TEN ELASTIC NAIL AND CAP ORTA	37272
TEN ELASTIC NAIL AND CAP LARGE	37272
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL TIBIA CANNULATED ANATOMIC NONCOATED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL HUMERUS CANNULATED PROXIMAL NAIL LOCKED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL FEMORAL CANNULATED ANATOMIC NONCOATED FIXED COMBINE CURVED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL FEMORAL CANNULATED LONG PROXIMAL TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL HUMERUS CANNULATED PROXIMAL NAIL LOCKED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL FEMORAL CANNULATED LONG PROXIMAL TITANIUM	32854
NAIL LOCKING SCREW PROXIMAL-DISTAL-SHAFT	37272
END CAP EXTRA SMALL	37272
END CAP SMALL	37272
END CAP ORTA	37272
END CAP LARGE	37272
END CAP EXTRA LARGE	37272
END CAP EXTRA LARGE	37272
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL FEMORAL CANNULATED ANATOMIC NONCOATED FIXED CURVED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL HUMERUS CANNULATED PROXIMAL NAIL UNLOCKED TITANIUM	32854
INTRAMEDULAR NAIL INTERNAL FIXATION INTRAMEDULAR NAIL LOCKING REAMED NAIL FEMORAL CANNULATED ANATOMIC UNCOATED FIXED CURVED TITANIUM	32854

2019 第一版

Lot 8, 30, 39



江苏省著名商标·江苏省名牌产品

江苏金鹿集团医疗器械有限公司
Jiangsu Jinlu Group Medical Device CO.,LTD.

地址: 江苏省张家港市锦丰镇

销售部: 0512-58565229 58100125

外贸部: 0512-58956901

传真: 0512-58100126

邮编: 215625

网址: www.jinluyx.cn

Add: Jinfeng Town Zhangjiagang City Jiangsu Province China

Sales: +86-512-58565229 58100125

International: +86-512-58956901

Fax: +86-512-58100126

Zip: 215625

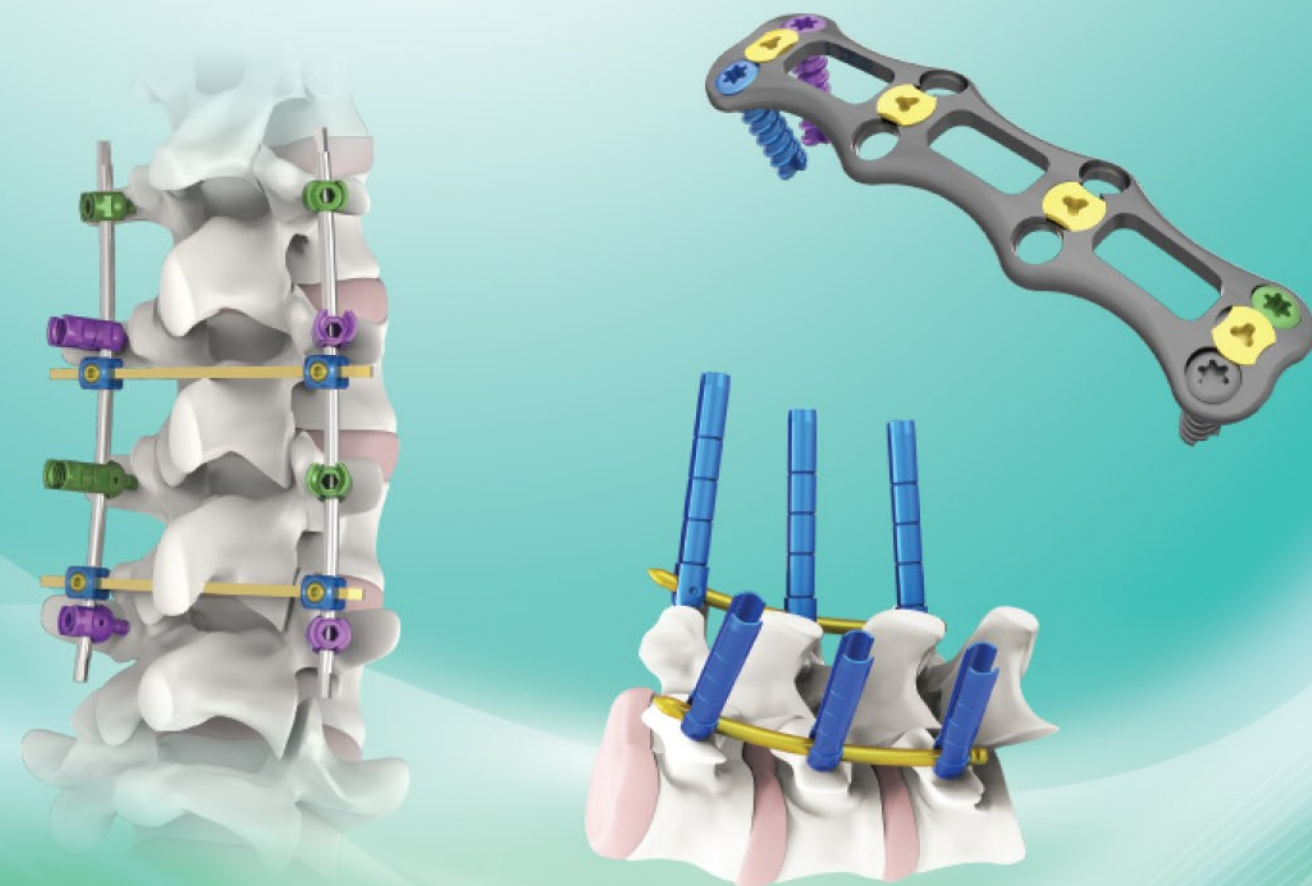
Web: www.jinluyx.com.cn



JINLU

MEDICAL DEVICE

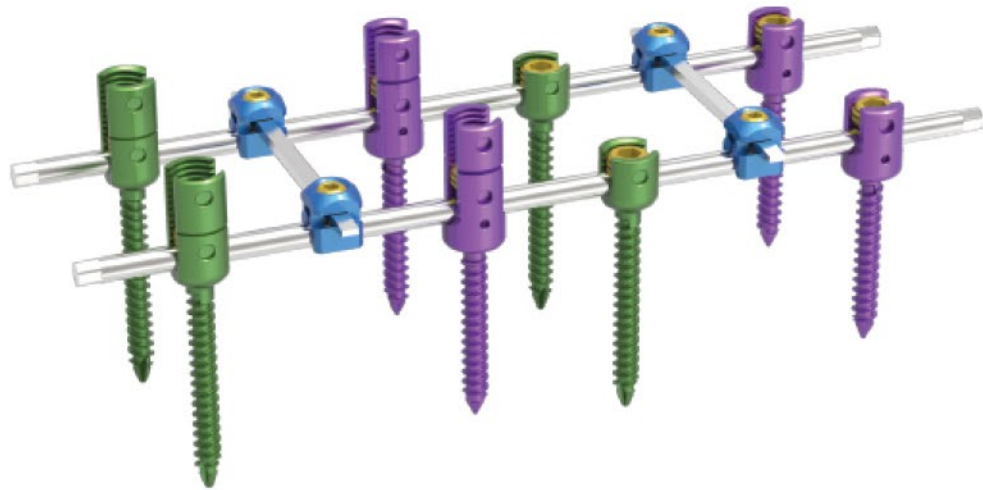
金鹿医疗器械



脊柱内固定系列
SPINAL SERIES PRODUCTS

江苏金鹿集团医疗器械有限公司
Jiangsu Jinlu Group Medical Device CO.,LTD.

RSS-III型脊柱钉棒内固定系统 748
RSS-III Spinal System 748



U型钉 749
Monoaxial Pedicle Screws 749



产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length	产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length
74901	钛合金 Titanium Alloy	4.5	30	74916	钛合金 Titanium Alloy	6.0	45
74902			35	74917			50
74903			40	74918			55
74904		5.0	30	74919		6.5	30
74905			35	74920			35
74906			40	74921			40
74907		5.5	45	74922		7.0	45
74908			30	74923			50
74909			35	74924			55
74910			40	74925			30
74911			45	74926			35
74912			50	74927			40
74913		6.0	30	74928			45
74914			35	74929			50
74915			40				

可折断U型钉 750
Breakable Monoaxial Pedicle Screws 750



产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length	产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length
75001	钛合金 Titanium Alloy	4.5	30	75016	钛合金 Titanium Alloy	6.0	45
75002			35	75017			50
75003			40	75018			55
75004		5.0	30	75019		6.5	30
75005			35	75020			35
75006			40	75021			40
75007		5.5	45	75022		7.0	45
75008			30	75023			50
75009			35	75024			55
75010			40	75025			30
75011			45	75026			35
75012			50	75027			40
75013		6.0	30	75028			45
75014			35	75029			50
75015			40				

万向U型钉 751
Polyaxial Pedicle Screws 751



产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length	产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length
75101	钛合金 Titanium Alloy	4.5	30	75116	钛合金 Titanium Alloy	6.0	45
75102			35	75117			50
75103			40	75118			55
75104		5.0	30	75119		6.5	30
75105			35	75120			35
75106			40	75121			40
75107		5.5	45	75122		7.0	45
75108			30	75123			50
75109			35	75124			55
75110			40	75125			30
75111			45	75126			35
75112			50	75127			40
75113		6.0	30	75128			45
75114			35	75129			50
75115			40				

万向可折断U型钉 752
Breakable Polyaxial Pedicle Screws 752



产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length	产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length
75201	钛合金 Titanium Alloy	4.5	30	75216	钛合金 Titanium Alloy	6.0	45
75202			35	75217			50
75203			40	75218			55
75204		5.0	30	75219		6.5	30
75205			35	75220			35
75206			40	75221			40
75207		5.5	45	75222		7.0	45
75208			30	75223			50
75209			35	75224			55
75210			40	75225			30
75211			45	75226			35
75212			50	75227			40
75213		6.0	30	75228			45
75214			35	75229			50
75215			40				

棒 753
Rod 753



产品编号 P/N	材质 Material	直径(mm) Diameter	长度(mm) Length
75301	钛合金 Titanium Alloy	5.5	50-400

注：每20mm为一个规格 Not: Size gap 20mm

横联器 754
Crosslinks 754



产品编号 P/N	材质 Material	规格(mm) Size
75450	钛合金 Titanium Alloy	50
75460		60
75470		70
75480		80

EC Certificate
Directive 93/42/EEC Annex II, excluding Section 4
Full Quality Assurance System
Medical Devices

Registration No.: HD 60124981 0001

Report No.: 15096167 001

Manufacturer: Jiangsu Jinlu Group Medical Device
Co., Ltd.
Jinfeng Town
Zhangjiagang City
215625 Jiangsu
China

Products:

- Metal Bone Plates & Screw Systems
- Metallic Cannulated Bone Screws
- Metallic Interlocking Intramedullary Nails
- Spinal Fixation Devices
- External Fixation Devices with Needles
- Suture Wires

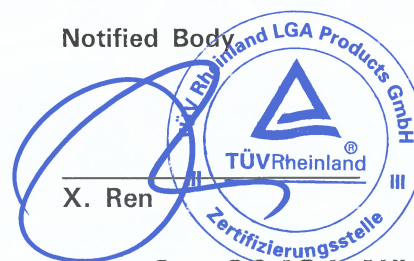
Expiry Date: 2022-06-30

The Notified Body hereby declares that the requirements of Annex II, excluding section 4 of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex II, section 5 of the aforementioned directive. For placing on the market of class III devices covered by this certificate an EC design-examination certificate according to Annex II, section 4 is required.

Effective Date: 2017-12-11

Date: 2017-12-11

Notified Body

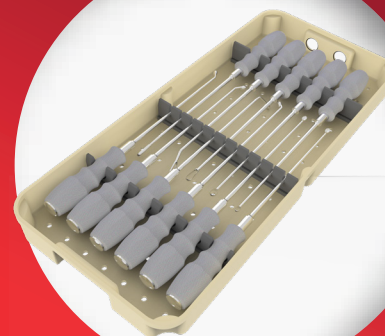
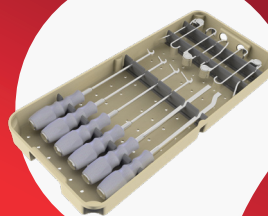


TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.

Osteotomy instrument set

thoracolumbar



Lot 1, 12

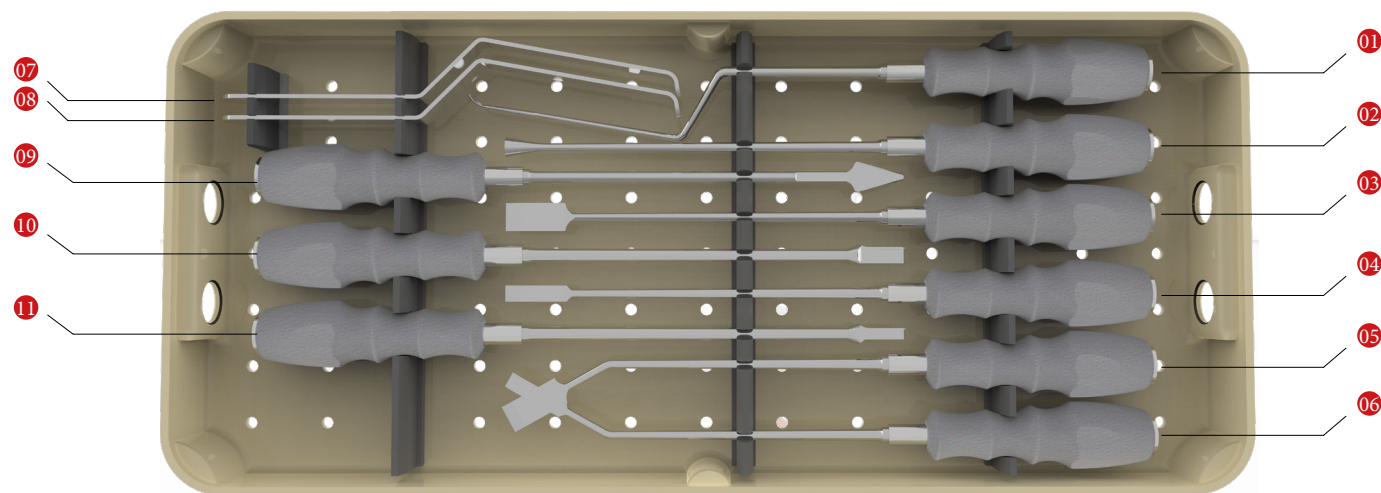
- Provide effective and simple use
- Include a wide selection of specialized instrumentation
- A truly complete set with dedicated instruments for corrective osteotomies
- Accommodate surgical preferences and anatomical variations
- Soft Tissue Retraction and Protection



OSTEOTOMY INSTRUMENT SET

Catalogue No.	Instrument Name	Quantity
NOS001	SMALL RING CURETTE	1
NOS002	LARGE RING CURETTE	1
NOS003	CURETTE, STRAIGHT	1
NOS004	CURETTE, LEFT	1
NOS005	CURETTE, RIGHT	1
NOS006	CUP CURETTE, STRAIGHT	1
NOS007	CUP CURETTE, STRAIGHT THREADED	1
NOS008	CUP CURETTE 45 ANGLED	1
NOS009	CUP CURETTE, OFFSET	1
NOS010	CUP CURETTE, RIGHT	1
NOS011	CUP CURETTE, LEFT	1
NOS012	SMALL OSTEOTOMY, ANGLED	1
NOS013	LARGE OSTEOTOMY, ANGLED	1
NOS014	SMALL OSTEOTOMY, STRAIGHT	1
NOS015	LARGE OSTEOTOMY, STRAIGHT	1
NOS016	BELL CURETTE	1
NOS017	NERVE ROOT RETRACTOR	1
NOS018	VERTEBRAL BODY OSTEOTOMY 6mm x 8mm	1
NOS019	VERTEBRAL BODY OSTEOTOMY 8mm x 6mm	1
NOS020	TRIANGLE SHAVER, 30	1
NOS021	BAYONET NERVE ROOT RETRACTOR, 12 mm	1
NOS022	BAYONET NERVE ROOT RETRACTOR, 14 mm	1
NOS023	VERTEBRAL BODY PUNCH, 15 mm	1
NOS024	VERTEBRAL BODY PUNCH, 20 mm	1
NOS025	VERTEBRAL BODY PUNCH, 25 mm	1
NOS026	VERTEBRAL BODY PUNCH, 30 mm	1
NOS027	STRAIGHT BONE IMPACTOR	1
NOS028	OFFSET BONE IMPACTOR	1
NOS029	ADJUSTABLE VERTEBRAL BODY RETRACTOR, 15 mm	2
NOS030	ADJUSTABLE VERTEBRAL BODY RETRACTOR, 30 mm	2

Osteotomy Instrument Set - Tray 1



Instruments	Set No	Catalogue No.	Description
-------------	--------	---------------	-------------



01

NOS017

Nerve Root
Retractor



02

NOS016

Bell Curette



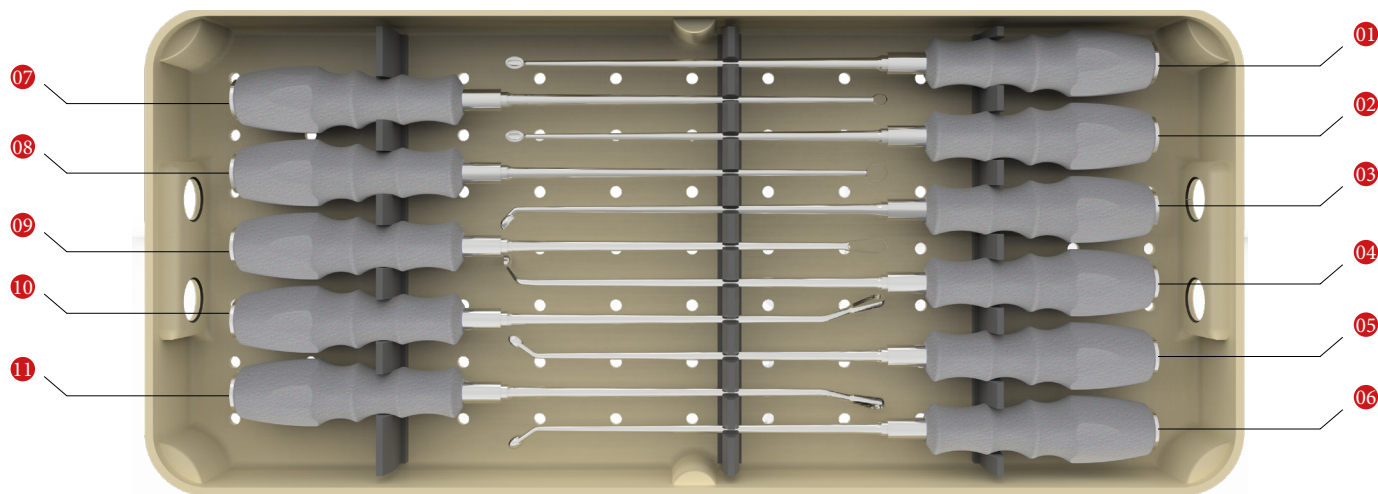
03

NOS015

Large
Osteotomy, Straight

Instruments	Set No	Catalogue No.	Descprition
	04	NOS014	Small Osteotomy, Straight
	05	NOS013	Large Osteotomy, Angled
	06	NOS012	Small Osteotomy, Angled
	07	NOS021	Bayonet Nerve Root Retractor, 12 mm
	08	NOS022	Bayonet Nerve Root Retractor, 14 mm
	09	NOS020	Triangle Shaver, 30
	10	NOS018	Vertebral Body Osteotomy 6mm X 8mm
	11	NOS019	Vertebral Body Osteotomy 8mm X 6mm

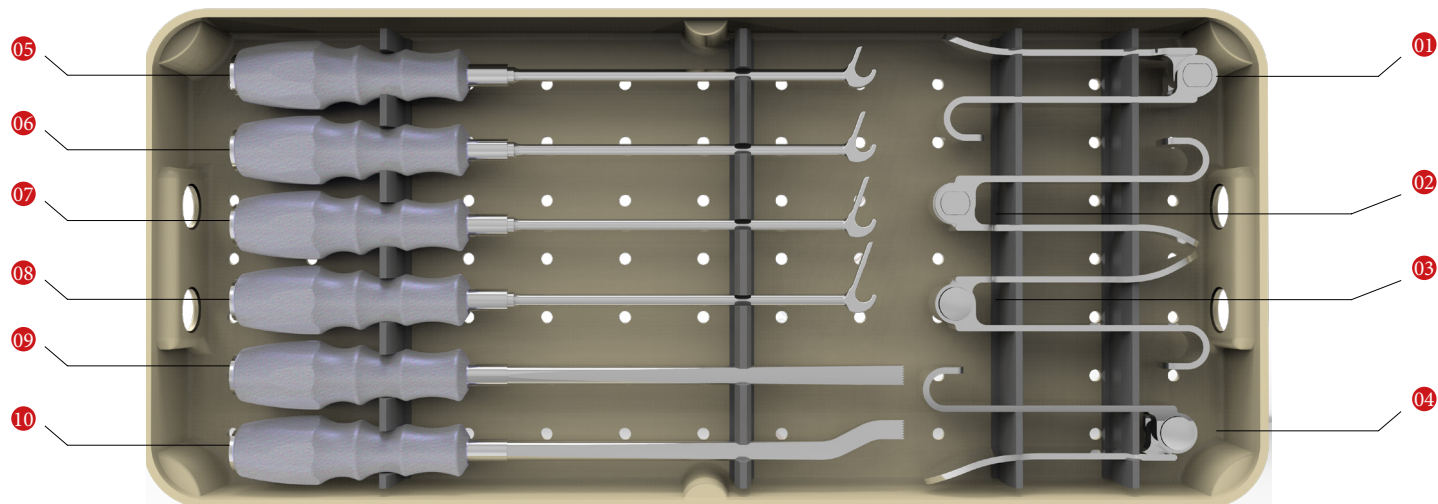
Osteotomy Instrument Set - Tray 2



Instruments	Set No	Catalogue No.	Description
	01	NOS006	Cup Curette, Straight
	02	NOS007	Cup Curette, Straight Threaded
	03	NOS008	Cup Curette 45 Angled
	04	NOS009	Cup Curette, Offset

Instruments	Set No	Catalogue No.	Description
	05	NOS010	Cup Curette, Right
	06	NOS011	Cup Curette, Left
	07	NOS001	Small Ring Curette
	08	NOS002	Large Ring Curette
	09	NOS003	Curette, Straight
	10	NOS004	Curette, Left
	11	NOS005	Curette, Right

Osteotomy Instrument Set - Tray 3



Instruments	Set No	Catalogue No.	Description
-------------	--------	---------------	-------------



01

NOS029

Adjustable Vertebral Body
Retractor, 15 mm



02

NOS029

Adjustable Vertebral Body
Retractor, 15 mm



03

NOS030

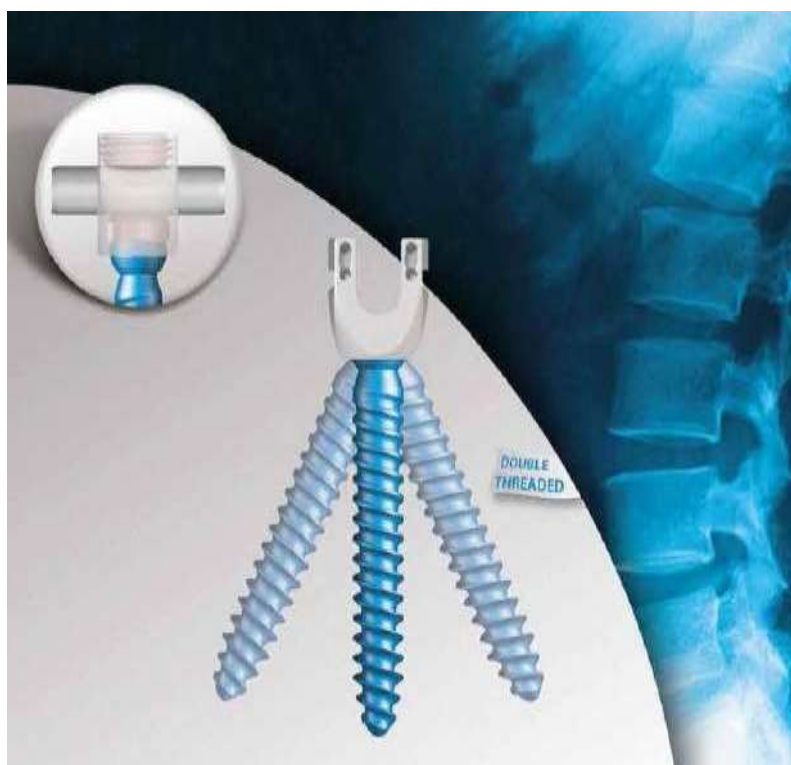
Adjustable Vertebral Body
Retractor, 30 mm

Instruments	Set No	Catalogue No.	Description
	04	NOS030	Adjustable Vertebral Body Retractor, 30 mm
	05	NOS023	Vertebral Body Punch 15 mm
	06	NOS024	Vertebral Body Punch 20 mm
	07	NOS025	Vertebral Body Punch 25 mm
	08	NOS026	Vertebral Body Punch 30 mm
	09	NOS027	Straight Bone Impactor
	10	NOS028	Offset Bone Impactor

PS[®] SPINE SYSTEM

Lot 1

TECHNICAL GUIDE



 **Tria Spine[®]**
SPINE | ORTHOPEDICS

www.triaspine.com

Description:

PS® Spine System is composed of various types and sizes of pedicle screws, rods, transverse connectors, nuts, clips, hooks, dominos and lateral connectors for thoracolumbar and sacral spine.

PS® Spine System is suitable for adults who have enough spinal stability and meet the main indications.

Material:

System elements are made of titanium alloy (Ti6Al4V) as per ISO 5832-3 (ASTM F136 and BS 7252-3) and CoCr Vitallium (ASTM F75). All system elements are MRI compatible.

Indications:

PS® Spine System is indicated for degenerated disc disease, spinal stenosis, scoliosis, kyphosis, trauma, fracture, tumor, lordosis, failed previous fusion (pseudoarthrosis) and spondylo listhesis (grade 1 and 2).

Contraindications:

Contraindications include but are not limited to:

- Pathological obesity, pregnancy, significant osteoporosis, open wounds, severe local inflammation, dependency on pharmaceutical drugs, drug abuse or alcoholism, mental illnesses, significant osteopenia, known or suspected allergy or intolerance to implant material (foreign body sensitivity to the implant material), acute or chronic infections, lack of patient cooperation.



Product Features:

Multi-Axial System

- Provides 50° in angle
- Well known technique
- Easy to use

Wide Application Area

- Suitable for thoraco-lumbar and sacral spine
- Perfect implantation in stenosis, spondylolisthesis, scoliosis, kyphosis, trauma, fractures, tumor and lordosis cases
- Compatible implants and instruments for human anatomy

Better Design

- Double-threaded structure, cortical screw body
- Improved blunt rounded screw tip
- Threaded screw head
- Titanium (6) - Aluminium (4) - Vanadium alloy (ISO 5832-3)
- CoCr Vitallium alloy (ASTM F75)
- Biomechanically tested implants according to ASTM F1717 and ASTM F1798

Implant Features

- Color coded screw bodies
- Enhanced locking mechanism
- Adjustable transverse connector
- 6mm rod system*
- Various sizes and types of screw



Implants:

Pedicle Screws

Diameter : 4.5mm, 5.5mm, 6.5mm, 7.5mm

Length : 25mm to 60mm

Multi-Axial Screws

Diameter : 4.0mm, 4.5mm, 5.5mm, 6.5mm, 7.5mm

Length : 25mm to 60mm

Multi-Axial Revision Screws

Diameter : 8.0mm

Length : 25mm to 60mm

Mono-Axial Reduction Screws

Diameter : 5.5mm, 6.5mm and 7.5mm

Length : 25mm to 60mm



NON-CONFIDENTIAL

Implants:

Multi-Axial Reduction Screws

Diameter : 4.5mm, 5.5mm, 6.5mm, 7.5mm

Length : 25mm to 60mm

Multi-Axial Cement Type Screws

Diameter : 5.5mm, 6.5mm, 7.5mm

Length : 25mm to 60mm

Multi-Axial Iliac Screws

Diameter : 7.5mm, 8.0mm, 9.0mm

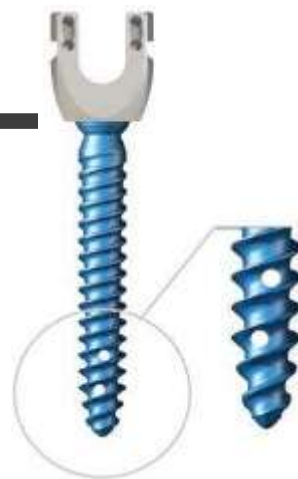
Length : 60mm to 110mm

Rods

Diameter : 6.0mm, hexagonal ends

5.5mm, hexagonal ends

Length : 50mm to 500mm



NON-CONFIDENTIAL

Implants:

Multi-Axial Transverse Links

Size : Small , Medium, Large and X-Large

Length : 30 - 80mm



Nut

PS Set Screw



Domino Connectors

Size : Single and Double

Fixation : 2 or 4 screws



Lateral Connector

PS Lateral Connector



Packaging & Sterilization:

System elements are supplied clean but not sterile. Re-usable instruments should be cleaned before use and all system elements should be sterilized following the below mentioned methods.

As per ISO 17665-1:2006, AAMI TIR 12:2004 and other respective standards

* 5.5mm rods and even sizes pedicular screws available upon request

Additional Information:

Code	Product Name
Pedicle Screw	
TP-5525	PS® Pedicle Screw Set 5.5x25mm
TP-5530	PS® Pedicle Screw Set 5.5x30mm
TP-5535	PS® Pedicle Screw Set 5.5x35mm
TP-5540	PS® Pedicle Screw Set 5.5x40mm
TP-5545	PS® Pedicle Screw Set 5.5x45mm
TP-5550	PS® Pedicle Screw Set 5.5x50mm
TP-5555	PS® Pedicle Screw Set 5.5x55mm
TP-5560	PS® Pedicle Screw Set 5.5x60mm
TP-6525	PS® Pedicle Screw Set 6.5x25mm
TP-6530	PS® Pedicle Screw Set 6.5x30mm
TP-6535	PS® Pedicle Screw Set 6.5x35mm
TP-6540	PS® Pedicle Screw Set 6.5x40mm
TP-6545	PS® Pedicle Screw Set 6.5x45mm
TP-6550	PS® Pedicle Screw Set 6.5x50mm
TP-6555	PS® Pedicle Screw Set 6.5x55mm
TP-6560	PS® Pedicle Screw Set 6.5x60mm
TP-7525	PS® Pedicle Screw Set 7.5x25mm
TP-7530	PS® Pedicle Screw Set 7.5x30mm
TP-7535	PS® Pedicle Screw Set 7.5x35mm
TP-7540	PS® Pedicle Screw Set 7.5x40mm
TP-7545	PS® Pedicle Screw Set 7.5x45mm
TP-7550	PS® Pedicle Screw Set 7.5x50mm
TP-7555	PS® Pedicle Screw Set 7.5x55mm
TP-7560	PS® Pedicle Screw Set 7.5x60mm
Multi-Axial Screw	
TM-4025	PS® Multi-Axial Screw Set 4.0x25mm
TM-4030	PS® Multi-Axial Screw Set 4.0x30mm
TM-4035	PS® Multi-Axial Screw Set 4.0x35mm
TM-4040	PS® Multi-Axial Screw Set 4.0x40mm
TM-4045	PS® Multi-Axial Screw Set 4.0x45mm
TM-4050	PS® Multi-Axial Screw Set 4.0x50mm
TM-4525	PS® Multi-Axial Screw Set 4.5x25mm
TM-4530	PS® Multi-Axial Screw Set 4.5x30mm
TM-4535	PS® Multi-Axial Screw Set 4.5x35mm
TM-4540	PS® Multi-Axial Screw Set 4.5x40mm
TM-4545	PS® Multi-Axial Screw Set 4.5x45mm
TM-4550	PS® Multi-Axial Screw Set 4.5x50mm
TM-4555	PS® Multi-Axial Screw Set 4.5x55mm
TM-4560	PS® Multi-Axial Screw Set 4.5x60mm
TM-5525	PS® Multi-Axial Screw Set 5.5x25mm
TM-5530	PS® Multi-Axial Screw Set 5.5x30mm
TM-5535	PS® Multi-Axial Screw Set 5.5x35mm
TM-5540	PS® Multi-Axial Screw Set 5.5x40mm
TM-5545	PS® Multi-Axial Screw Set 5.5x45mm
TM-5550	PS® Multi-Axial Screw Set 5.5x50mm
TM-5555	PS® Multi-Axial Screw Set 5.5x55mm
TM-5560	PS® Multi-Axial Screw Set 5.5x60mm
TM-6525	PS® Multi-Axial Screw Set 6.5x25mm
TM-6530	PS® Multi-Axial Screw Set 6.5x30mm
TM-6535	PS® Multi-Axial Screw Set 6.5x35mm
TM-6540	PS® Multi-Axial Screw Set 6.5x40mm
TM-6545	PS® Multi-Axial Screw Set 6.5x45mm
TM-6550	PS® Multi-Axial Screw Set 6.5x50mm
TM-6555	PS® Multi-Axial Screw Set 6.5x55mm
TM-6560	PS® Multi-Axial Screw Set 6.5x60mm
TM-7525	PS® Multi-Axial Screw Set 7.5x25mm
TM-7530	PS® Multi-Axial Screw Set 7.5x30mm
TM-7535	PS® Multi-Axial Screw Set 7.5x35mm
TM-7540	PS® Multi-Axial Screw Set 7.5x40mm
TM-7545	PS® Multi-Axial Screw Set 7.5x45mm
TM-7550	PS® Multi-Axial Screw Set 7.5x50mm
TM-7555	PS® Multi-Axial Screw Set 7.5x55mm
TM-7560	PS® Multi-Axial Screw Set 7.5x60mm

Code	Product Name
Multi-Axial Revision Screw	
TM-8030	PS® Multi-Axial Screw Set 8.0x30mm
TM-8035	PS® Multi-Axial Screw Set 8.0x35mm
TM-8040	PS® Multi-Axial Screw Set 8.0x40mm
TM-8045	PS® Multi-Axial Screw Set 8.0x45mm
TM-8050	PS® Multi-Axial Screw Set 8.0x50mm
TM-8055	PS® Multi-Axial Screw Set 8.0x55mm
TM-8060	PS® Multi-Axial Screw Set 8.0x60mm
Multi-Axial Cement Type Screw	
TC-5525	PS® Multi-Axial Screw Cement Type Set 5.5X25mm
TC-5530	PS® Multi-Axial Screw Cement Type Set 5.5X30mm
TC-5535	PS® Multi-Axial Screw Cement Type Set 5.5X35mm
TC-5540	PS® Multi-Axial Screw Cement Type Set 5.5X40mm
TC-5545	PS® Multi-Axial Screw Cement Type Set 5.5X45mm
TC-5550	PS® Multi-Axial Screw Cement Type Set 5.5X50mm
TC-5555	PS® Multi-Axial Screw Cement Type Set 5.5X55mm
TC-5560	PS® Multi-Axial Screw Cement Type Set 5.5X60mm
TC-6535	PS® Multi-Axial Screw Cement Type Set 6.5X35mm
TC-6540	PS® Multi-Axial Screw Cement Type Set 6.5X40mm
TC-6545	PS® Multi-Axial Screw Cement Type Set 6.5X45mm
TC-6550	PS® Multi-Axial Screw Cement Type Set 6.5X50mm
TC-6555	PS® Multi-Axial Screw Cement Type Set 6.5X55mm
TC-6560	PS® Multi-Axial Screw Cement Type Set 6.5X60mm
TC-7525	PS® Multi-Axial Screw Cement Type Set 7.5X25mm
TC-7530	PS® Multi-Axial Screw Cement Type Set 7.5X30mm
TC-7535	PS® Multi-Axial Screw Cement Type Set 7.5X35mm
TC-7540	PS® Multi-Axial Screw Cement Type Set 7.5X40mm
TC-7545	PS® Multi-Axial Screw Cement Type Set 7.5X45mm
TC-7555	PS® Multi-Axial Screw Cement Type Set 7.5X55mm
TC-7560	PS® Multi-Axial Screw Cement Type Set 7.5X60mm
Mono-Axial Reduction Screw	
TLM-5525	PS® Reduction Screw Mono Set 5.5x25mm
TLM-5530	PS® Reduction Screw Mono Set 5.5x30mm
TLM-5535	PS® Reduction Screw Mono Set 5.5x35mm
TLM-5540	PS® Reduction Screw Mono Set 5.5x40mm
TLM-5545	PS® Reduction Screw Mono Set 5.5x45mm
TLM-5550	PS® Reduction Screw Mono Set 5.5x50mm
TLM-5555	PS® Reduction Screw Mono Set 5.5x55mm
TLM-5560	PS® Reduction Screw Mono Set 5.5x60mm
TLM-6530	PS® Reduction Screw Mono Set 6.5x30mm
TLM-6535	PS® Reduction Screw Mono Set 6.5x35mm
TLM-6540	PS® Reduction Screw Mono Set 6.5x40mm
TLM-6545	PS® Reduction Screw Mono Set 6.5x45mm
TLM-6550	PS® Reduction Screw Mono Set 6.5x50mm
TLM-6555	PS® Reduction Screw Mono Set 6.5x55mm
TLM-6560	PS® Reduction Screw Mono Set 6.5x60mm
TLM-7530	PS® Reduction Screw Mono Set 7.5x30mm
TLM-7535	PS® Reduction Screw Mono Set 7.5x35mm
TLM-7540	PS® Reduction Screw Mono Set 7.5x40mm
TLM-7545	PS® Reduction Screw Mono Set 7.5x45mm
TLM-7550	PS® Reduction Screw Mono Set 7.5x50mm
TLM-7555	PS® Reduction Screw Mono Set 7.5x55mm
TLM-7560	PS® Reduction Screw Mono Set 7.5x60mm
Multi-Axial Reduction Screw	
TL-4525	PS® Reduction Screw Multi Set 4.5x25mm
TL-4530	PS® Reduction Screw Multi Set 4.5x30mm
TL-4535	PS® Reduction Screw Multi Set 4.5x35mm
TL-4540	PS® Reduction Screw Multi Set 4.5x40mm
TL-4545	PS® Reduction Screw Multi Set 4.5x45mm
TL-4550	PS® Reduction Screw Multi Set 4.5x50mm
TL-4555	PS® Reduction Screw Multi Set 4.5x55mm
TL-4560	PS® Reduction Screw Multi Set 4.5x60mm
TL-5525	PS® Reduction Screw Multi Set 5.5x25mm
TL-5530	PS® Reduction Screw Multi Set 5.5x30mm
TL-5535	PS® Reduction Screw Multi Set 5.5x35mm
TL-5540	PS® Reduction Screw Multi Set 5.5x40mm
TL-5545	PS® Reduction Screw Multi Set 5.5x45mm
TL-5550	PS® Reduction Screw Multi Set 5.5x50mm

TL-5555	PS® Reduction Screw Multi Set 5.5x55mm
TL-5560	PS® Reduction Screw Multi Set 5.5x60mm
TL-6530	PS® Reduction Screw Multi Set 6.5x30mm
TL-6535	PS® Reduction Screw Multi Set 6.5x35mm
TL-6540	PS® Reduction Screw Multi Set 6.5x40mm
TL-6545	PS® Reduction Screw Multi Set 6.5x45mm
TL-6550	PS® Reduction Screw Multi Set 6.5x50mm
TL-6555	PS® Reduction Screw Multi Set 6.5x55mm
TL-6560	PS® Reduction Screw Multi Set 6.5x60mm
TL-7530	PS® Reduction Screw Multi Set 7.5x30mm
TL-7535	PS® Reduction Screw Multi Set 7.5x35mm
TL-7540	PS® Reduction Screw Multi Set 7.5x40mm
TL-7545	PS® Reduction Screw Multi Set 7.5x45mm
TL-7550	PS® Reduction Screw Multi Set 7.5x50mm
TL-7555	PS® Reduction Screw Multi Set 7.5x55mm
TL-7560	PS® Reduction Screw Multi Set 7.5x60mm

Code	Product Name
Multi-Axial Iliac Screw	
TI-7560	PS® Multi-Axial Iliac Screw Set 7.5x60mm
TI-7570	PS® Multi-Axial Iliac Screw Set 7.5x70mm
TI-7580	PS® Multi-Axial Iliac Screw Set 7.5x80mm
TI-7590	PS® Multi-Axial Iliac Screw Set 7.5x90mm
TI-7500	PS® Multi-Axial Iliac Screw Set 7.5x100mm
TI-7510	PS® Multi-Axial Iliac Screw Set 7.5x110mm
TI-8060	PS® Multi-Axial Iliac Screw Set 8.0x60mm
TI-8070	PS® Multi-Axial Iliac Screw Set 8.0x70mm
TI-8080	PS® Multi-Axial Iliac Screw Set 8.0x80mm
TI-8090	PS® Multi-Axial Iliac Screw Set 8.0x90mm
TI-8000	PS® Multi-Axial Iliac Screw Set 8.0x100mm
TI-8010	PS® Multi-Axial Iliac Screw Set 8.0x110mm
TI-9060	PS® Multi-Axial Iliac Screw Set 9.0x60mm
TI-9070	PS® Multi-Axial Iliac Screw Set 9.0x70mm
TI-9080	PS® Multi-Axial Iliac Screw Set 9.0x80mm
TI-9090	PS® Multi-Axial Iliac Screw Set 9.0x90mm
TI-9000	PS® Multi-Axial Iliac Screw Set 9.0x100mm
TI-9010	PS® Multi-Axial Iliac Screw Set 9.0x110mm
Rod	
TR-0050	PS® Rod 6.0 x 50mm
TR-0060	PS® Rod 6.0 x 60mm
TR-0070	PS® Rod 6.0 x 70mm
TR-0080	PS® Rod 6.0 x 80mm
TR-0090	PS® Rod 6.0 x 90mm
TR-0100	PS® Rod 6.0 x 100mm
TR-0120	PS® Rod 6.0 x 120mm
TR-0140	PS® Rod 6.0 x 140mm
TR-0160	PS® Rod 6.0 x 160mm
TR-0200	PS® Rod 6.0 x 200mm
TR-0400	PS® Rod 6.0 x 400mm
TR-0500	PS® Rod 6.0 x 500mm
* 5.5mm rods available upon request	
CoCr Vitallium Rod	
TVR-0140	PS® Rod 6.0 x 140mm
TVR-0160	PS® Rod 6.0 x 160mm
TVR-0200	PS® Rod 6.0 x 200mm
TVR-0400	PS® Rod 6.0 x 400mm
TVR-0500	PS® Rod 6.0 x 500mm
* 5.5mm rods available upon request	
Multi-Axial Transverse Link	
TT-0030	PS® Multi-Axial Transverse Link S
TT-0034	PS® Multi-Axial Transverse Link M
TT-0040	PS® Multi-Axial Transverse Link L
TT-0050	PS® Multi-Axial Transverse Link XL
Set Screw	
TS-0010	PS® Set Screw
Domino	
TDS-2205	PS® Domino Single
TDD-2210	PS® Domino Double
Lateral Connector	
TLC-1100	PS® Multi-Axial Offset Lateral Connector
TLC-1110	PS® Lateral Connector

BonOs® Inject

PMMA is been used in orthopedics for almost 50 years. Within that time the indication fields have been extended step by step until in the 80's PMMA cements were applied in spinal surgery, too. There, they serve to stabilize and fill cavities of erected vertebral bodies. For these specific indications BonOs® Inject was developed.

BonOs® Inject fulfills all requirements for bone cements in spinal surgery:

- a Suitable viscosity for Vertebroplasty and Kyphoplasty
- a Short mixing time, long application time
- a Rapid application viscosity due to improved cohesion
- a High radiodensity with 45% ZrO_2
- a Excellent mechanical properties
- a Low hardening temperature of about 70°C

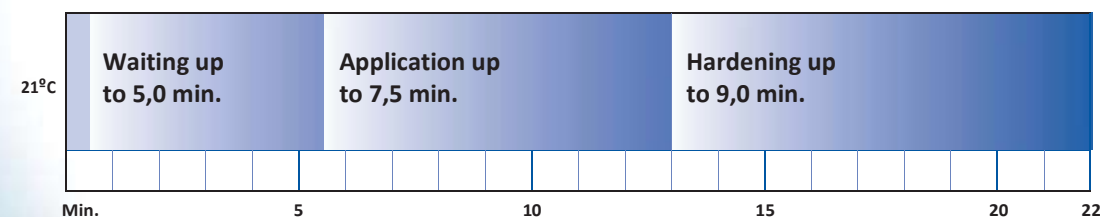
Long application time

Both components dash quickly to a homogenous paste with the right viscosity for percutaneous injection. After a short mixing time the surgeon has a long application time to apply BonOs® Inject without time pressure.

Max. Zeit [Min.] at 21°C

Mixing	0,5
Waiting	5,0
Application	7,5
Hardening	9,0

Temperature-Time Chart (e.g. 21°C)*



* For further information see the Instructions for Use

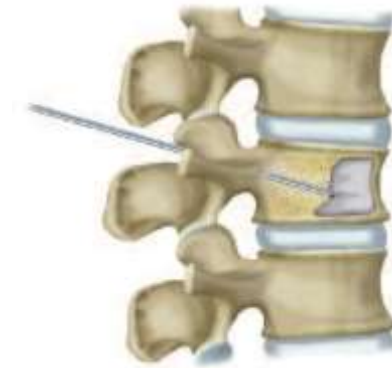
Test conditions

Application needle: ø 3 mm, length 120 mm

Syringe capacity: 1 ml

Initially high viscosity for rapid application due to improved cohesion

The chemical composition of the polymers ensures a high initial cohesion and therefore reduces the risk of cement leakage. After a short waiting time the cement attains an ideal viscosity for application. That can be used



for Vertebroplasty and Kyphoplasty.

Example of a cemented vertebra

Chemical composition

Powder (24 g)

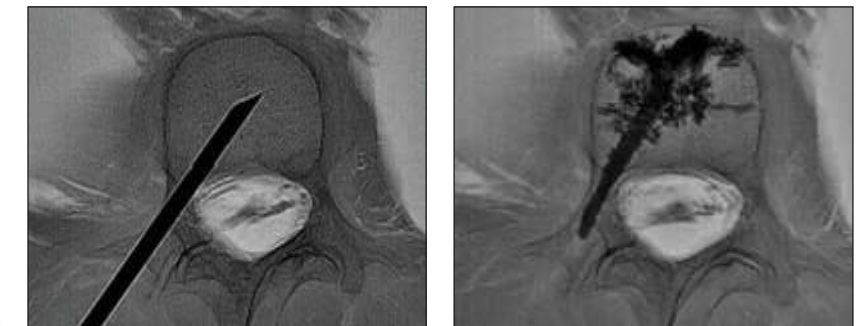
Poly (MMA)	10,95g
Poly (MA, MMA)	1,75g
Zirconium dioxid	10,80g
Benzoyl peroxid	0,50g

Liquid (10 ml)

MMA	9,93 ml
Dimethyl-p-toluidine	0,07 ml
Hydroquinone	60 ppm

High radiopacity

The addition of a high amount of zirconium dioxide (ZrO_2) allows an optimal X-ray visualization of BonOs® Inject for a safe use. Zirconium dioxide has a positive influence on the mechanical stability.



X-ray Images Cadaver Tests
© PD Dr. K. Wilhelm, Bonn

Good mechanical properties

The chemical composition of BonOs® Inject guarantees optimized mechanical properties which exceed the respective requirements of the ISO 5833 standard.

	ISO 5833	BonOs® Inject
Compression strength [MPa]	≥ 70	122 ± 1,5
E-modulus [MPa]	≥ 1800	4240 ± 177
Bending strength [MPa]	≥ 50	70 ± 5,4



SAMAY
Surgical

www.samaysurgical.com

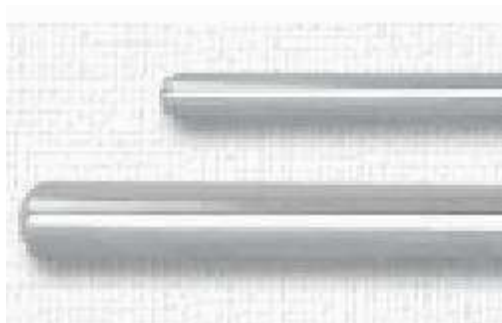
An ISO 13485:2003 Certified Company & CE

Spine Implants

Connecting Rod (Stainless Steel & Titanium)

Note: Define Code for
S.S. SS 427 & Titanium TT 427

lot 7



Anterior Cervical Plate (Titanium)

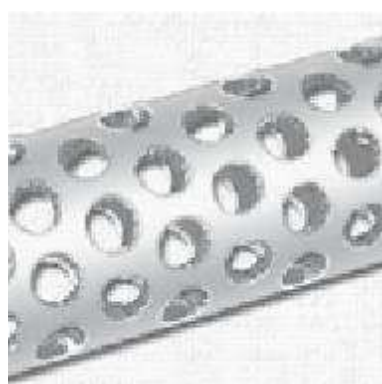


Length	20 mm Dia. Code No.	30 mm Dia. Code No.	40 mm Dia. Code No.	50 mm Dia. Code No.
50 mm	SS 427-201	SS 427-301	SS 427-401	SS 427-501
75 mm	SS 427-202	SS 427-302	SS 427-402	SS 427-502
80 mm	SS 427-203	SS 427-303	SS 427-403	SS 427-503
100 mm	SS 427-204	SS 427-304	SS 427-404	SS 427-504
120 mm	SS 427-205	SS 427-305	SS 427-405	SS 427-505
125 mm	SS 427-206	SS 427-306	SS 427-406	SS 427-527
150 mm	SS 427-207	SS 427-307	SS 427-407	SS 427-507
200 mm	SS 427-208	SS 427-308	SS 427-408	SS 427-508
250 mm	SS 427-209	SS 427-309	SS 427-409	SS 427-509
300 mm	SS 427-210	SS 427-310	SS 427-410	SS 427-510
480 mm	SS 427-211	SS 427-311	SS 427-411	SS 427-511

Code No.	Length
SS 429-020	20 mm
SS 429-025	25 mm
SS 429-030	30 mm
SS 429-035	35 mm
SS 429-040	40 mm
SS 429-045	45 mm
SS 429-050	50 mm
SS 429-055	55 mm
SS 429-060	60 mm
SS 429-065	65 mm
SS 429-070	70 mm
SS 429-075	75 mm
SS 429-080	80 mm
SS 429-085	85 mm
SS 429-090	90 mm
SS 429-095	95 mm
SS 429-100	100 mm
SS 429-105	105 mm
SS 429-110	110 mm

Cage (Stainless Steel & Titanium)

Note: Define Code for
S.S. SS 428 & Titanium TT 428



Length	10 mm Dia. Code No.	12 mm Dia. Code No.	14 mm Dia. Code No.	16 mm Dia. Code No.	18 mm Dia. Code No.	20 mm Dia. Code No.	22 mm Dia. Code No.	24 mm Dia. Code No.
20 mm	SS 428-120	SS 428-220	SS 428-320	SS 428-420	SS 428-520	SS 428-620	SS 428-720	SS 428-820
25 mm	SS 428-125	SS 428-225	SS 428-325	SS 428-425	SS 428-525	SS 428-625	SS 428-725	SS 428-825
30 mm	SS 428-130	SS 428-230	SS 428-330	SS 428-430	SS 428-530	SS 428-630	SS 428-730	SS 428-830
35 mm	SS 428-135	SS 428-235	SS 428-335	SS 428-435	SS 428-535	SS 428-635	SS 428-735	SS 428-835
40 mm	SS 428-140	SS 428-240	SS 428-340	SS 428-440	SS 428-540	SS 428-640	SS 428-740	SS 428-840
45 mm	SS 428-145	SS 428-245	SS 428-345	SS 428-445	SS 428-545	SS 428-645	SS 428-745	SS 428-845
50 mm	SS 428-150	SS 428-250	SS 428-350	SS 428-450	SS 428-550	SS 428-650	SS 428-750	SS 428-850

PAJUNK®

TrokaBone / TrokaCut

*Aspiration and puncture cannulas
for bone marrow biopsy*

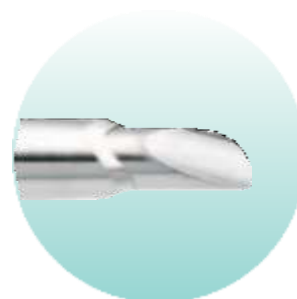


Bone marrow biopsy

TrokaCut and TrokaBone

Cannula systems for bone marrow biopsy

The manufacture of cannula systems for biopsy has been the core competence of PAJUNK® for more than 45 years. Together with doctors from different fields, PAJUNK® develops sophisticated solutions for bone marrow biopsy, fine-needle biopsy, cutting and punch biopsy, brachytherapy and tumour markers. PAJUNK® offers three systems in the field of bone marrow biopsy: TrokaCut, TrokaBone and TrokaBone Sternal. They differ with respect to material usage, design and the field of application.



Tip with bevelled hollow grind

TrokaCut

*the combined aspiration and punch
cannula for pelvic crust puncture*



The semi-transparent plastic bayonet lock of **TrokaCut** allows the outer cannula and full stylet to be permanently connected to each other.

TrokaBone

*the combined aspiration and punch
cannula for pelvic crest puncture*



A stable metal anchoring system is used to fasten the outer cannula in the handle for **TrokaBone**. This complete system is manufactured from robust materials and is characterised by its excellent stability and the ergonomic handle.



Tip with bevelled hollow grind



Tip with trocar grind

TrokaBone Sternal

*the puncture set for safe aspiration
of bone marrow from the pelvic and
sternum region*



Tip with bevelled grind

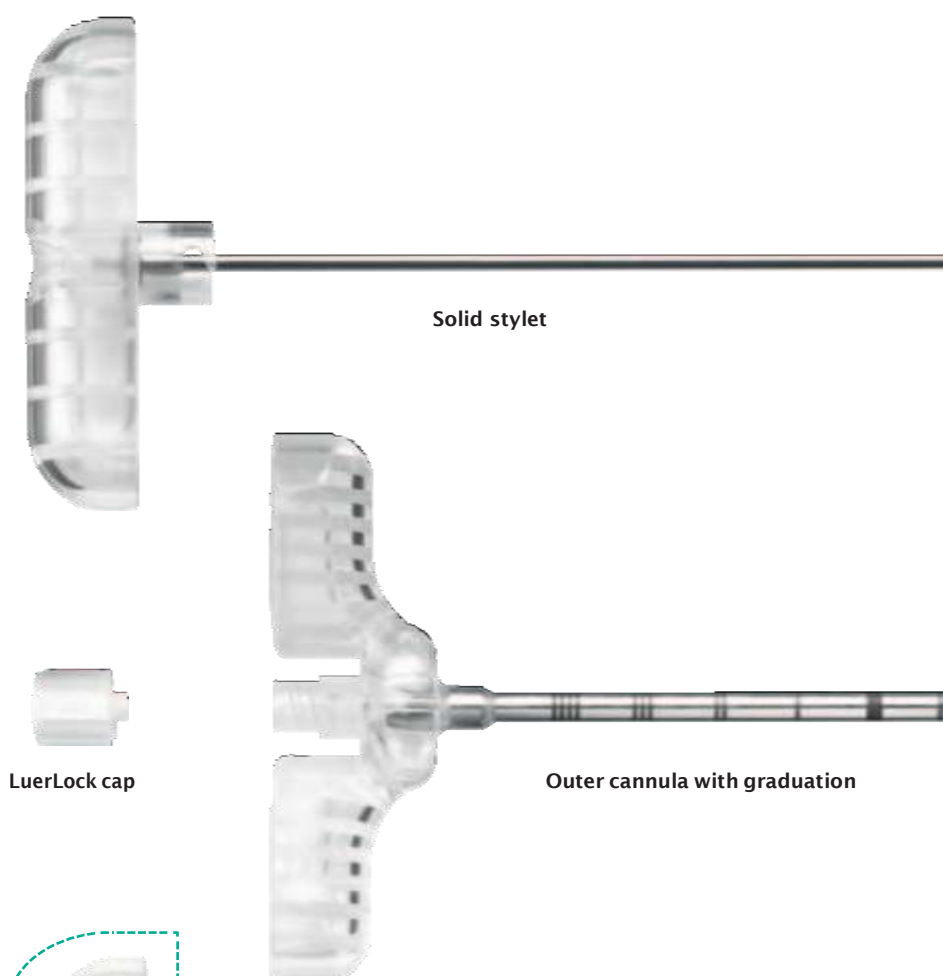
TrokaCut

The complete system for bone marrow puncture

The TrokaCut puncture set of equipment from PAJUNK® is a cost effective complete system for the extraction of bone marrow samples. It is very easy to use during puncture and aspiration.

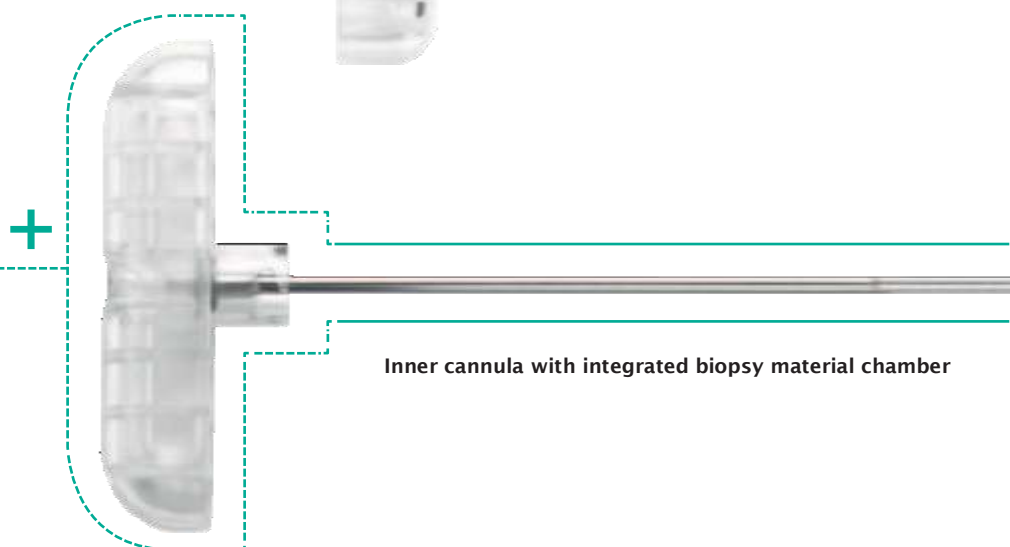
Single biopsy

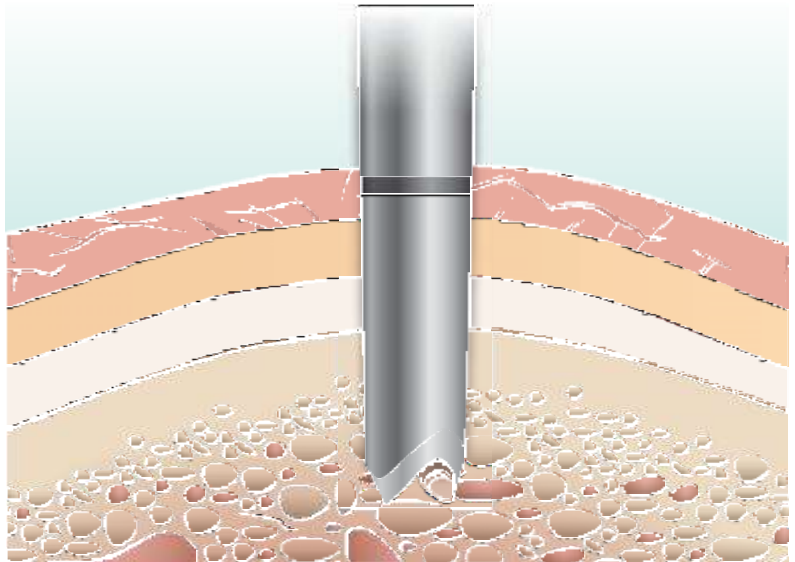
The TrokaCut set includes a stable full stylet with a sharp tip and bevelled hollow grind as well as an outer cannula with ejection stylet that are both provided with a graduation. The introductory aid covers the sharp tip of the outer cannula when extracting biopsy material and so prevents injuries.



Biopsy safety

It is recommended to use an inner cannula with a biopsy material chamber for a safe biopsy. This inner cannula collects the sample when penetrating and can be pulled out for extraction without having to change the position of the outer cannula.





The outer cannula with its very sharp, wavelike tip penetrates the inside of the bone under rotary movements without problem.



Introductory aid

Ejection stylet with graduation

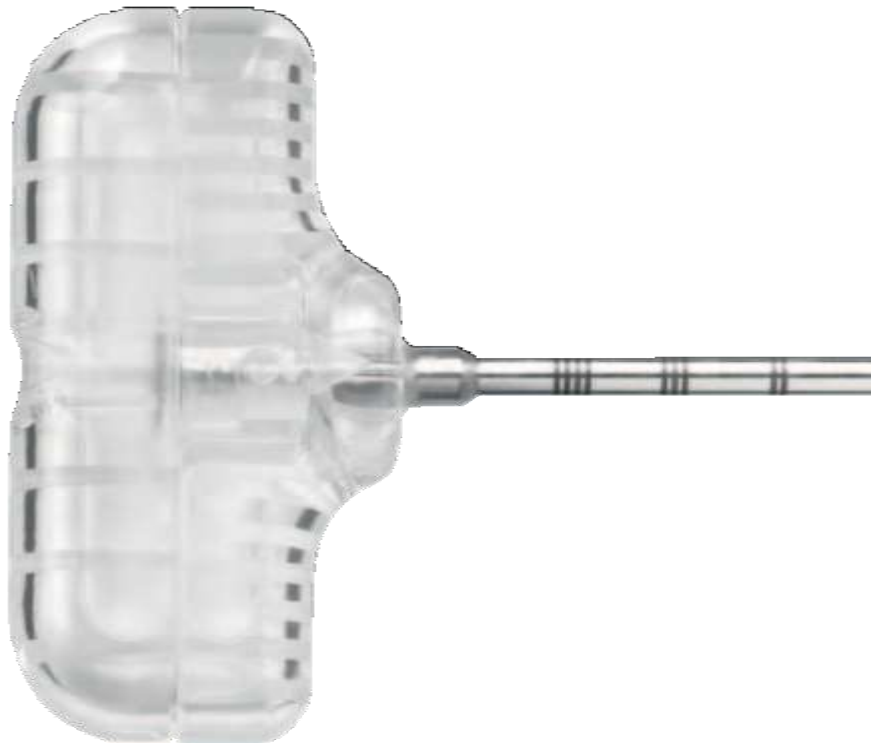


Integrated biopsy material chamber

The safe lock

TrokaCut with bayonet lock

The outer cannula is advanced together with the full stylet into the bone wall by turning clockwise and anticlockwise while applying firm and constant pressure. When it has penetrated and the resistance is reduced, the stylet is released from the bayonet lock, i.e. turned by 90° and pulled out. The outer cannula with its very sharp, wavelike tip continues to penetrate the inside of the bone under rotary movements without problem. The cannula tip is cylindrical and tapers towards the front. This eases collection and subsequent extraction of the sample. At the same time, its conical shape contributes to the tissue cylinder maintaining its structure during tissue extraction.



The essential features at a glance:

- ➡ anatomically shaped handle
- ➡ extremely sharp serrated tip of the outer cannula
- ➡ full stylet made of stainless steel with high stability
- ➡ tapered outer cannula for simplified sample extraction
- ➡ safe sample extraction by specially shaped cannula shaft
- ➡ aspiration connection with LuerLock connector
- ➡ specially shaped internal lumen
- ➡ bayonet lock



Bayonet lock

Full stylet and inner cannula are securely connected to the outer cannula using a bayonet lock.



Cannula tip with sharp bevelled hollow grind

⇒ simplifies puncture of the pelvic crest in interaction with the rotary movements and pressure



Sharp serrated tip of the outer cannula

⇒ enables continued penetration of the outer cannula in the inside of the bone after removal of the full stylet and collection of the bone marrow sample



Inner cannula with integrated biopsy material chamber

⇒ additional biopsy safety and simple extraction

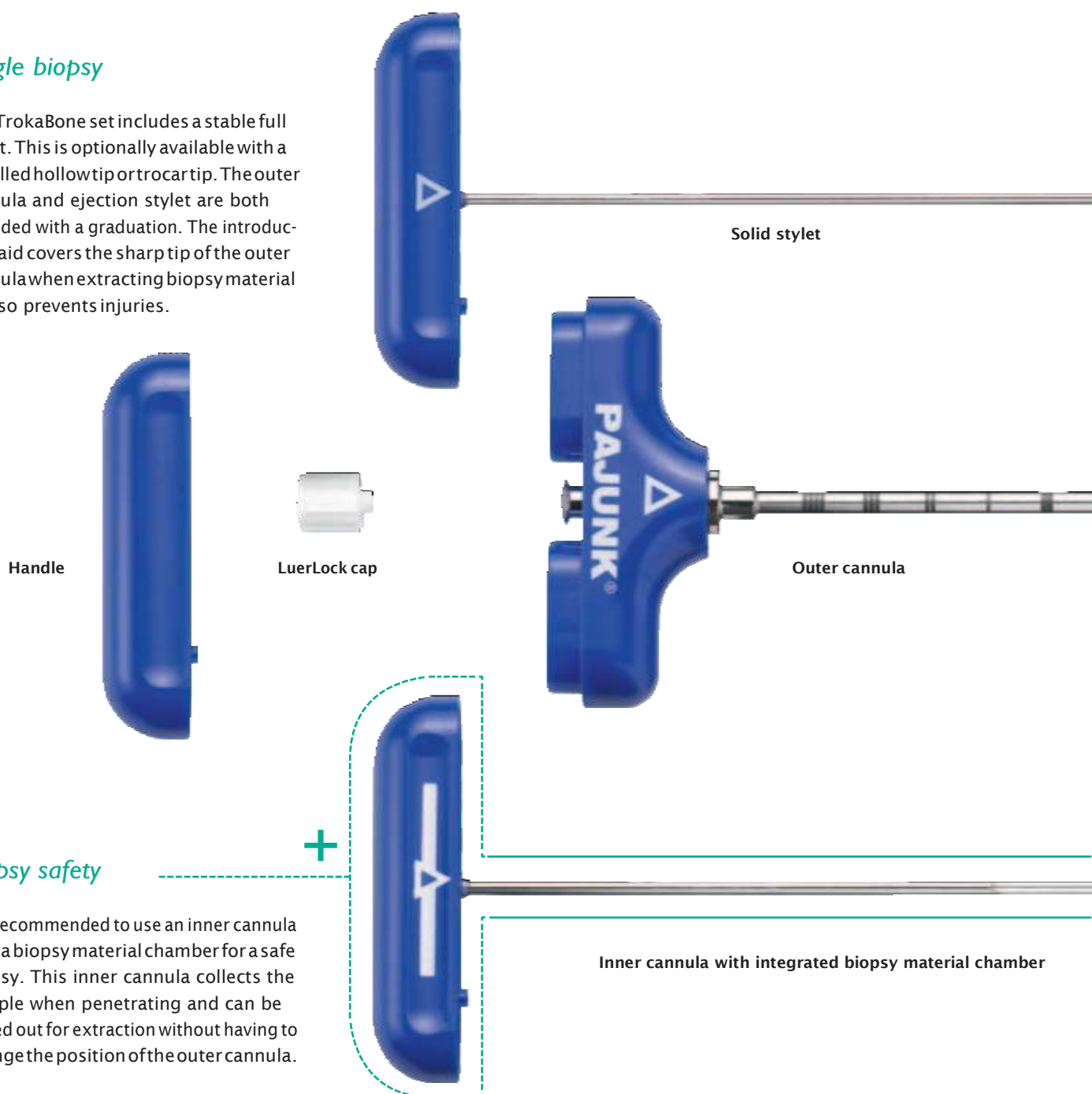
TrokaBone

The robust complete system with stainless steel connection

The TrokaBone puncture set of equipment from PAJUNK® consists of a modular system for the extraction of bone marrow samples. This set is very easy to use for puncture and aspiration. Fitted with an ergonomic handle and manufacturer in robust stainless steel, TrokaBone is characterised by its high level of stability.

Single biopsy

The TrokaBone set includes a stable full stylet. This is optionally available with a bevelled hollow tip or trocar tip. The outer cannula and ejection stylet are both provided with a graduation. The introductory aid covers the sharp tip of the outer cannula when extracting biopsy material and so prevents injuries.



Biopsy safety

It is recommended to use an inner cannula with a biopsy material chamber for a safe biopsy. This inner cannula collects the sample when penetrating and can be pulled out for extraction without having to change the position of the outer cannula.



Robust anchoring system made of metal with LuerLock connection.



Introductory aid

Ejection stylet with graduation



Integrated biopsy material chamber

TrokaBone

Biopsy cannula with alternative tip geometries

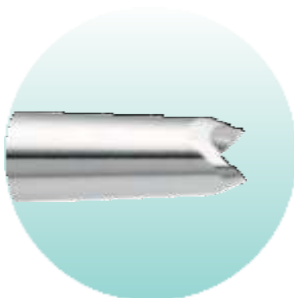
A bevelled tip or trocar tip is used to puncture at the pelvic crest.

The puncture cannula is advanced forward into the bone wall under clockwise / counter clockwise rotation while applying firm and constant pressure. When it has penetrated and the resistance is reduced, the stylet is pulled out. The outer cannula has a very sharp, serrated tip.

The cannula continues to penetrate into the inside of the bone under rotary movements without problem. The cannula tip is cylindrical and tapers towards the front. This eases collection and subsequent extraction of the sample. At the same time, its conical shape contributes to the tissue cylinder maintaining its structure during tissue extraction.

The essential features at a glance:

- ➔ anatomically shaped handle
- ➔ extremely sharp serrated tip of the outer cannula
- ➔ full stylet made of stainless steel with high stability
- ➔ cannula versions with bevelled tip, trocar tip and inner cannula
- ➔ tapered outer cannula for simplified sample extraction
- ➔ specially shaped internal lumen
- ➔ aspiration connection with LuerLock connector



**Tapered cannula tip,
serrated tip**



**Cutting tip with bevelled
hollow grind**



**Sharp tip with
trocar grind**

TrokaBone Sternal

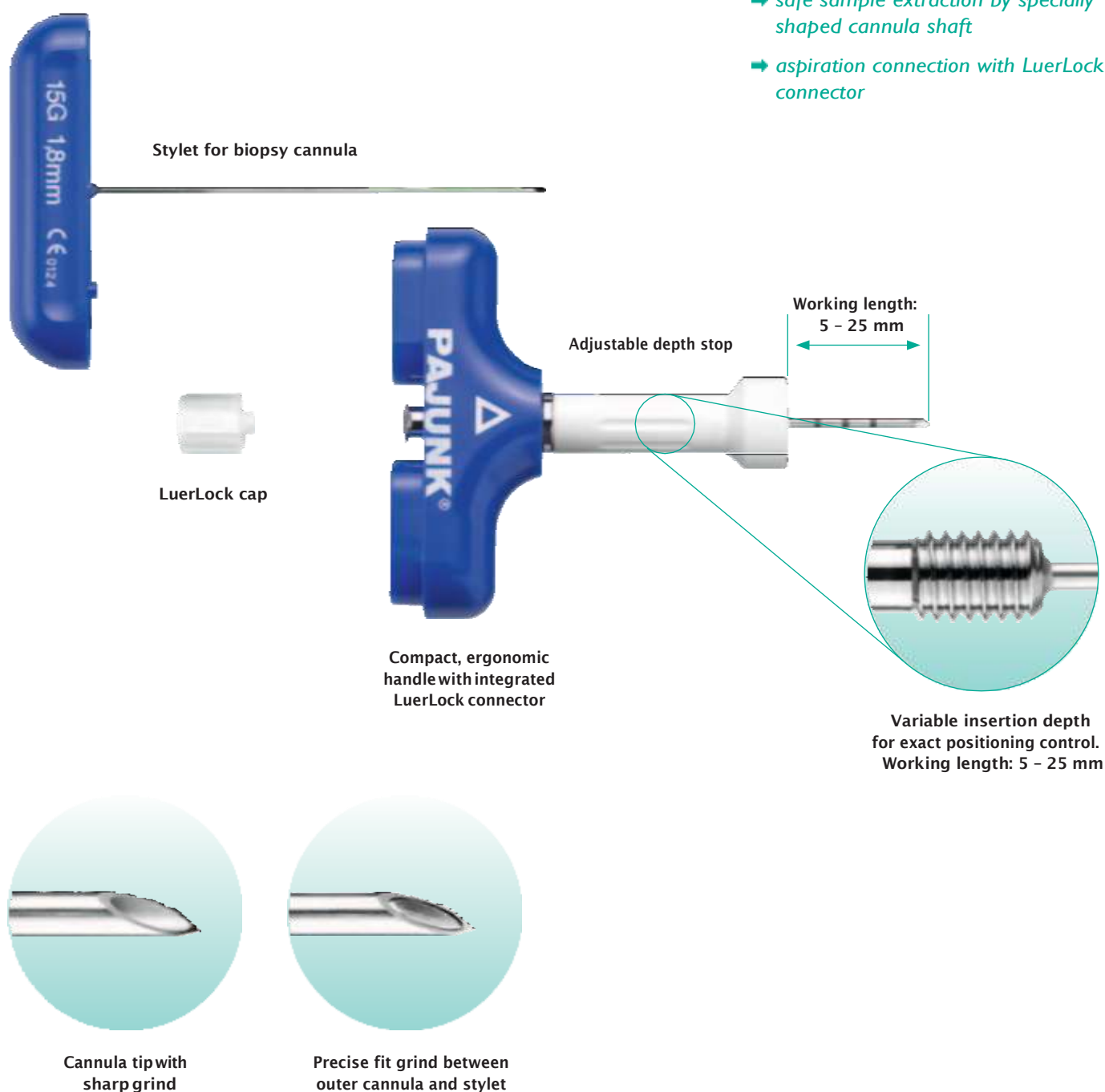
Puncture set of equipment for single biopsy

TrokaBone Sternal was developed by PAJUNK® for simple and safe aspiration of bone marrow from the pelvic and sternum region.

The ergonomically shaped handle and the extremely sharp cannula tip guarantees ease of use during puncture and aspiration.

The essential features at a glance:

- ➔ anatomically shaped handle
- ➔ extremely sharp cannula tip
- ➔ puncture cannula made of stainless steel with high stability
- ➔ safe sample extraction by specially shaped cannula shaft
- ➔ aspiration connection with LuerLock connector



TrokaCut

Product	Size	Art. No.	PU
Set for bone marrow biopsy with bevelled hollow tip	13 G x 100 mm (2.4 mm)	1147-1C010	5
	11 G x 100 mm (3.0 mm)	1147-1E010	5
	11 G x 150 mm (3.0 mm)	1147-1E015	5
	8 G x 100 mm (4.0 mm)	1147-1I010	5
	8 G x 150 mm (4.0 mm)	1147-1I015	5
Set for bone marrow biopsy with bevelled hollow tip and innercannula	11 G x 100 mm (3.0 mm)	1147-6E010	5
	8 G x 100 mm (4.0 mm)	1147-6I010	5



TrokaBone

Bevelled hollow tip Trocar tip				
Product	Size	Art. No.	Art. No.	PU
Set for bone marrow biopsy	13 G x 100 mm (2.4 mm)	1145-1C010	1145-2C010	5
	11 G x 100 mm (3.0 mm)	1145-1E010	1145-2E010	5
	11 G x 150 mm (3.0 mm)	1145-1E015	1145-2E015	5
	8 G x 100 mm (4.0 mm)	1145-1I010	1145-2I010	5
	8 G x 150 mm (4.0 mm)	1145-1I015	1145-2I015	5
Set for bone marrow biopsy with inner cannula	11 G x 100 mm (3.0 mm)	1145-6E010		5
	8 G x 100 mm (4.0 mm)	1145-6I010		5



TrokaBone Sternal

Working length 5–25 mm

Product	Size	Art. No.	PU
Set for bone marrow biopsy in sternum region	18 G x 50 mm (1.2 mm)	1146-1D025	5
	17 G x 50 mm (1.5 mm)	1146-1G025	5
	15 G x 50 mm (1.8 mm)	1146-1K025	5
	14 G x 50 mm (2.0 mm)	1146-1M025	5



PAJUNK GmbH
 Medizintechnologie
 Karl-Hall-Strasse 1
 D-78187 Geisingen/Germany
 Telefon +49 (0) 77 04/92 91-0
 Telefax +49 (0) 77 04/92 91-6 00
www.pajunk.com



ROMEO® 2

THORACOLUMBAR FIXATION

LOT 10



AT A GLANCE

Streamlined Tip
Polyaxial Head
Low Profile Implants
Compact Set

INDICATIONS

ROME0®2 system implants are designed to treat those dorsal and thoracic pathologies:

- Spondylolisthesis
- Degenerative disc disease
- Thoracic and lumbar fractures
- Thoracic and lumbar vertebra tumors
- Pseudarthrosis
- Stenosis
- Spine deformities: scoliosis, kyphosis

IMPLANTS

POLYAXIAL SCREWS

LENGTH / DIAMETER	Ø4	Ø5	Ø6	Ø7	Ø8
L25	ELL-PS 04 25-S	ELL-PS 05 25-S	ELL-PS 06 25-S		
L30	ELL-PS 04 30-S	ELL-PS 05 30-S	ELL-PS 06 30-S	ELL-PS 07 30-S	ELL-PS 08 30-S
L35	ELL-PS 04 35-S	ELL-PS 05 35-S	ELL-PS 06 35-S	ELL-PS 07 35-S	ELL-PS 08 35-S
L40	ELL-PS 04 40-S	ELL-PS 05 40-S	ELL-PS 06 40-S	ELL-PS 07 40-S	ELL-PS 08 40-S
L45	ELL-PS 04 45-S	ELL-PS 05 45-S	ELL-PS 06 45-S	ELL-PS 07 45-S	ELL-PS 08 45-S
L50		ELL-PS 05 50-S	ELL-PS 06 50-S	ELL-PS 07 50-S	ELL-PS 08 50-S
L55		ELL-PS 05 55-S	ELL-PS 06 55-S	ELL-PS 07 55-S	ELL-PS 08 55-S
L60			ELL-PS 06 60-S	ELL-PS 07 60-S	ELL-PS 08 60-S
L70			ELL-PS 06 70-S	ELL-PS 07 70-S	ELL-PS 08 70-S
L80			ELL-PS 06 80-S	ELL-PS 07 80-S	ELL-PS 08 80-S
L90			ELL-PS 06 90-S	ELL-PS 07 90-S	ELL-PS 08 90-S
L100				ELL-PS 07 10-S	ELL-PS 08 10-S
L110				ELL-PS 07 11-S	ELL-PS 08 11-S
L120				ELL-PS 07 12-S	ELL-PS 08 12-S



REDUCTION SCREWS

LENGTH / DIAMETER	Ø4	Ø5	Ø6	Ø7	Ø8
L25	ELL-SS 04 25-S	ELL-SS 05 25-S	ELL-SS 06 25-S		
L30	ELL-SS 04 30-S	ELL-SS 05 30-S	ELL-SS 06 30-S	ELL-SS 07 30-S	ELL-SS 08 30-S
L35	ELL-SS 04 35-S	ELL-SS 05 35-S	ELL-SS 06 35-S	ELL-SS 07 35-S	ELL-SS 08 35-S
L40	ELL-SS 04 40-S	ELL-SS 05 40-S	ELL-SS 06 40-S	ELL-SS 07 40-S	ELL-SS 08 40-S
L45	ELL-SS 04 45-S	ELL-SS 05 45-S	ELL-SS 06 45-S	ELL-SS 07 45-S	ELL-SS 08 45-S
L50		ELL-SS 05 50-S	ELL-SS 06 50-S	ELL-SS 07 50-S	ELL-SS 08 50-S
L55		ELL-SS 05 55-S	ELL-SS 06 55-S	ELL-SS 07 55-S	ELL-SS 08 55-S
L60			ELL-SS 06 60-S	ELL-SS 07 60-S	ELL-SS 08 60-S
L70				ELL-SS 07 70-S	ELL-SS 08 70-S
L80				ELL-SS 07 80-S	ELL-SS 08 80-S
L90				ELL-SS 07 90-S	ELL-SS 08 90-S



IMPLANTS

25D SCREWS

LENGTH / DIAMETER	Ø4	Ø5	Ø6	Ø7
L25	ELL-DS 04 25-S			
L30	ELL-DS 04 30-S	ELL-DS 05 30-S	ELL-DS 06 30-S	ELL-DS 07 30-S
L35	ELL-DS 04 35-S	ELL-DS 05 35-S	ELL-DS 06 35-S	ELL-DS 07 35-S
L40	ELL-DS 04 40-S	ELL-DS 05 40-S	ELL-DS 06 40-S	ELL-DS 07 40-S
L45	ELL-DS 04 45-S	ELL-DS 05 45-S	ELL-DS 06 45-S	ELL-DS 07 45-S
L50		ELL-DS 05 50-S	ELL-DS 06 50-S	ELL-DS 07 50-S
L55			ELL-DS 06 55-S	ELL-DS 07 55-S
L60			ELL-DS 06 60-S	ELL-DS 07 60-S



MONOAXIAL SCREWS

LENGTH / DIAMETER	Ø4	Ø5	Ø6	Ø7	Ø8
L25	ELL-MS 04 25-S				
L30	ELL-MS 04 30-S	ELL-MS 05 30-S	ELL-MS 06 30-S	ELL-MS 07 30-S	ELL-MS 08 30-S
L35	ELL-MS 04 35-S	ELL-MS 05 35-S	ELL-MS 06 35-S	ELL-MS 07 35-S	ELL-MS 08 35-S
L40	ELL-MS 04 40-S	ELL-MS 05 40-S	ELL-MS 06 40-S	ELL-MS 07 40-S	ELL-MS 08 40-S
L45	ELL-MS 04 45-S	ELL-MS 05 45-S	ELL-MS 06 45-S	ELL-MS 07 45-S	ELL-MS 08 45-S
L50		ELL-MS 05 50-S	ELL-MS 06 50-S	ELL-MS 07 50-S	ELL-MS 08 50-S
L55			ELL-MS 06 55-S	ELL-MS 07 55-S	ELL-MS 08 55-S
L60			ELL-MS 06 60-S	ELL-MS 07 60-S	ELL-MS 08 60-S
L70			ELL-MS 06 70-S	ELL-MS 07 70-S	ELL-MS 08 70-S
L80			ELL-MS 06 80-S	ELL-MS 07 80-S	ELL-MS 08 80-S



IMPLANTS

ROD CONNECTOR PARALLEL

ELL-RC PA 00-S



ROD CONNECTOR AXIAL

ELL-RC AX 00-S



ILIAC CONNECTORS

L15	ELL-IC 00 15-S
L20	ELL-IC 00 20-S
L30	ELL-IC 00 30-S
L40	ELL-IC 00 40-S
L50	ELL-IC 00 50-S
L60	ELL-IC 00 60-S



ROD CONNECTOR PARALLEL OPEN

ELL-RC PA 01-S



ILIAC T CONNECTOR

ELL-RC TE 00-S



OPEN ILIAC CONNECTORS

L15	ELL-IC 01 15-S
L20	ELL-IC 01 20-S
L30	ELL-IC 01 30-S
L40	ELL-IC 01 40-S
L50	ELL-IC 01 50-S
L60	ELL-IC 01 60-S



SET SCREW

ELL-SC 00 00-S



SET SCREW HEXALOBE *

ELL-SC 01 00-S



* The hexalobe set screw **must be used** with the following instruments:
ELL-IN 07 06-N / SET SCREW TIGHTENER
ELL-IN 08 06-N / FINAL TIGHTENER (11Nm HEXALOBE)

IMPLANTS

CROSS CONNECTORS /MULTIAXIAL	
L30 TO L31	ELL-CC-MU 30-S
L31 TO L33	ELL-CC-MU 31-S
L33 TO L36	ELL-CC MU 33-S
L36 TO L43	ELL-CC MU 36-S
L43 TO L55	ELL-CC MU 43-S
L55 TO L80	ELL-CC MU 55-S



TRANSVERSE ROD CONNECTORS	
L20	ELL-TR 00 20-S
L30	ELL-TR 00 30-S
L40	ELL-TR 00 40-S
L50	ELL-TR 00 50-S
L60	ELL-TR 00 60-S
L70	ELL-TR 00 70-S
L80	ELL-TR 00 80-S



CROSS CONNECTORS / MULTIAXIAL PREBENT	
L33 to L36	ELL-CC MP 33-S
L36 to L43	ELL-CC MP 36-S
L43 to L55	ELL-CC MP 43-S
L55 to L80	ELL-CC MP 55-S



CROSS CONNECTORS TRANSVERSE HOOKS	ELL-TC 00 00-S
--------------------------------------	----------------



CROSS CONNECTORS / STRAIGHT	
L18	ELL-CC ST 18-S
L21	ELL-CC ST 21-S
L24	ELL-CC ST 24-S
L27	ELL-CC ST 27-S
L30	ELL-CC ST 30-S



IMPLANTS

RODS STRAIGHT HEX TIP Ø5.4MM		
LENGTH	TITANIUM ALLOY	COBALT CHROMIUM
L100	ELL-RD 21 00-S	ELL-RD 11 00-S
L120	ELL-RD 21 20-S	ELL-RD 11 20-S
L140	ELL-RD 21 40-S	ELL-RD 11 40-S
L160	ELL-RD 21 60-S	ELL-RD 11 60-S
L180	ELL-RD 21 80-S	ELL-RD 11 80-S
L200	ELL-RD 22 00-S	ELL-RD 12 00-S
L220	ELL-RD 22 20-S	ELL-RD 12 20-S
L240	ELL-RD 22 40-S	ELL-RD 12 40-S
L350	ELL-RD 23 50-S	ELL-RD 13 50-S
L500	ELL-RD 25 00-S	ELL-RD 15 00-S
L550	ELL-RD 25 50-S	ELL-RD 15 50-S



RODS PRE-BENT Ø5.4MM TITANIUM ALLOY	
L30	ELL-RD 00 30-S
L35	ELL-RD 00 35-S
L40	ELL-RD 00 40-S
L45	ELL-RD 00 45-S
L50	ELL-RD 00 50-S
L55	ELL-RD 00 55-S
L60	ELL-RD 00 60-S
L70	ELL-RD 00 70-S
L80	ELL-RD 00 80-S
L90	ELL-RD 00 90-S
L100	ELL-RD 01 00-S
L110	ELL-RD 01 10-S
L120	ELL-RD 01 20-S
L130	ELL-RD 01 30-S



J-RODS Ø5.4MM COBALT CHROME		
L500	40°	ELL-R4 15 00-S
	60°	ELL-R6 15 00-S
L550	40°	ELL-R4 15 50-S
	60°	ELL-R6 15 50-S
	80°	ELL-R8 15 50-S



IMPLANTS

LAMINAR LUMBAR SMALL	ELL-HO LL 0S-S
----------------------	----------------



LAMINAR LUMBAR LARGE	ELL-HO LL 0L-S
----------------------	----------------



LAMINAR LUMBAR EXTENDED	ELL-HO LL-EX-S
-------------------------	----------------



PEDICULAR	ELL-HO P0 00-S
-----------	----------------



LAMINAR THORACIC SUPRA	ELL-HO LT SU-S
------------------------	----------------



LAMINAR INFRA	ELL-HO LT IN-S
---------------	----------------



ANGLED LEFT	ELL-HO AN 0L-S
-------------	----------------

ANGLED RIGHT	ELL-HO AN 0R-S
--------------	----------------



OFFSET LEFT	ELL-HO OF 0L-S
-------------	----------------

OFFSET RIGHT	ELL-HO OF 0R-S
--------------	----------------



ROMEO® 2 - THORACOLUMBAR FIXATION

Implants can be delivered Non Sterile (ELL-xx xx xx-**N**) on demand.

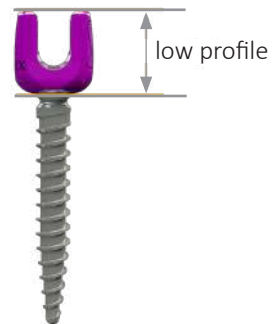
TECHNICAL FEATURES

COMPLETE TL FIXATION PLATFORM



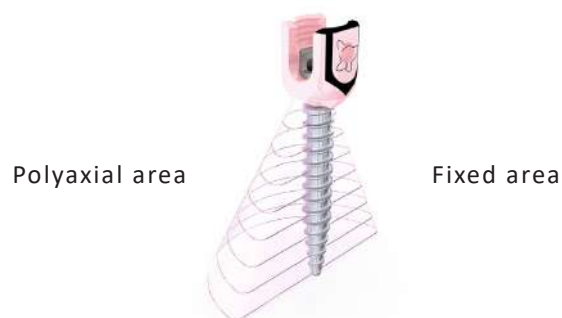
Complete range of polyaxial, semi-polyaxial, monoaxial, reduction screws, transverse connectors and rod connectors provide versatile options to treat numerous pathologies from T1 to the ilium.

STREAMLINED SCREW TIP & LOW PROFILE IMPLANTS



The screw tip is designed to allow an effortless and self-centering insertion of the screw. The low profile ROMEO®2 implants are designed to enable an atraumatic implantation and minimize anatomical interference.

DEFORMITY SCREW



The ROMEO®2 25D semi-polyaxial screw provides the benefits of monoaxial screw for controlled powerful reduction and the versatility of the polyaxial screw for ease of rod connection.

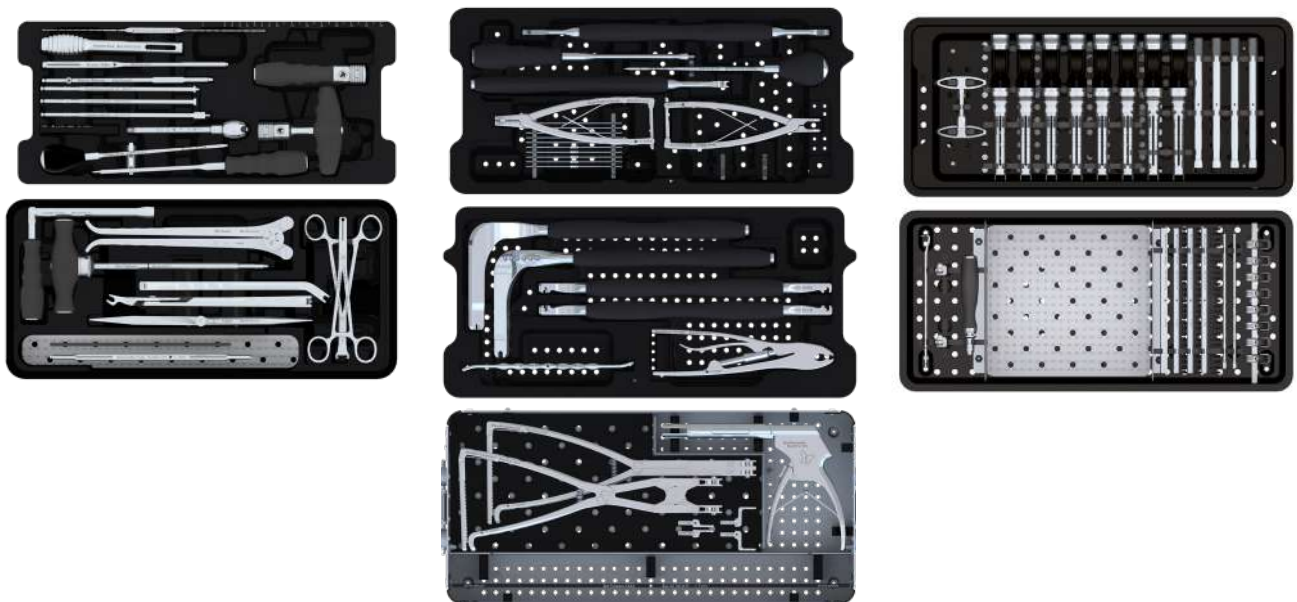
TECHNICAL FEATURES

HOOKS



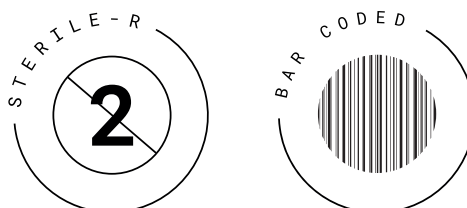
A full range of hooks with various sizes is available with ROMEO®2. Their autostatic teeth enhance their stability once impacted

COMPLETE SETS



One box of specific and intuitive instruments is needed for degenerative cases. A second box of instruments is available for more complex surgeries requesting longer construct. A third one is dedicated to derotation manoeuvre for deformity cases.

SAFETY



ROMEO®2 implants are sterile packaged and barcoded ensuring sterility and traceability.

INSTRUMENT SET

DEGENERATIVE KIT

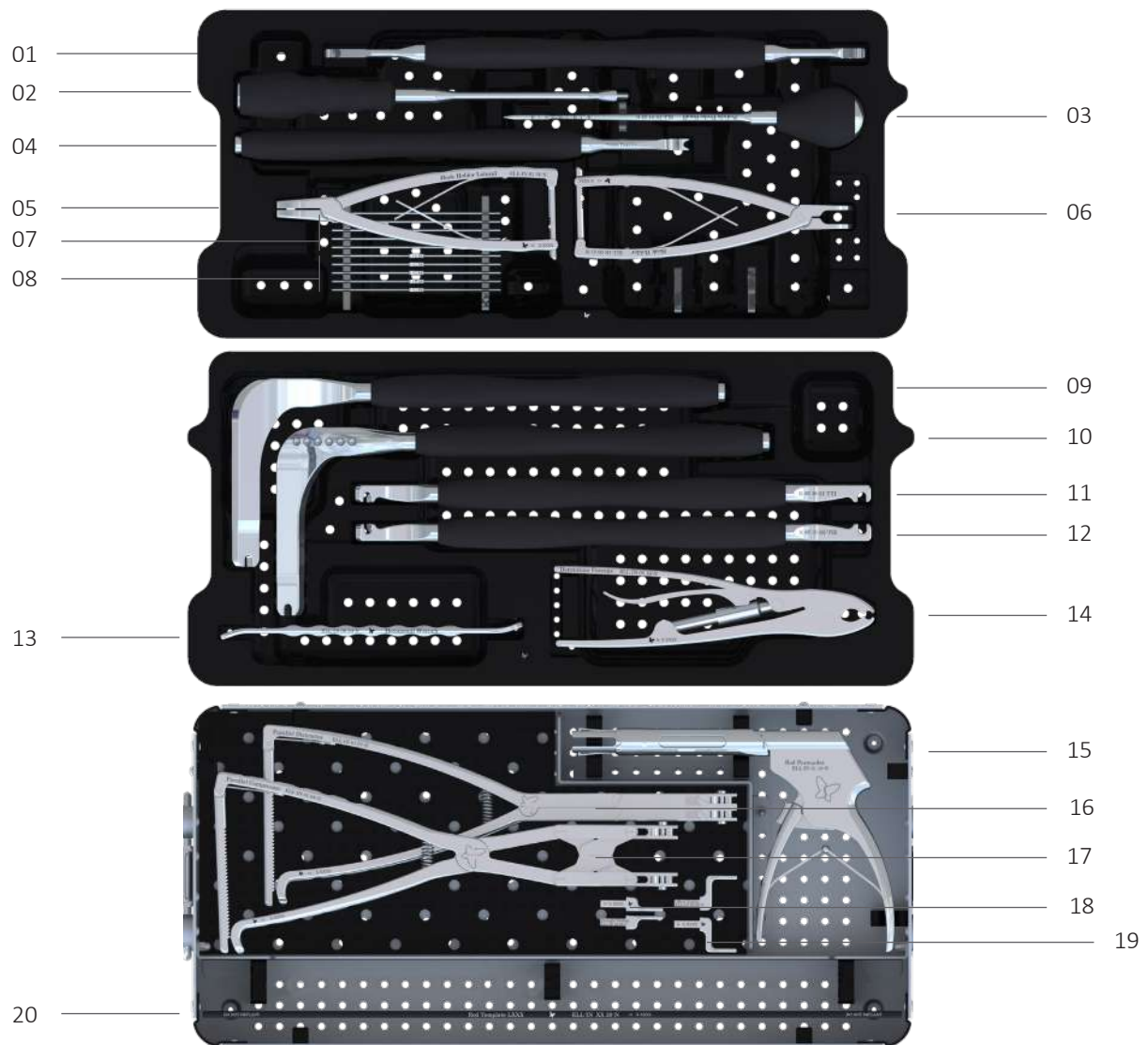


#	DESCRIPTION	REFERENCE
01	PEDICLE SOUNDER	ELL-IN 01 02-N
02	SET SCREW TUBE	ELL-IN 01 15-N
03	SET SCREW HOLDER W	ELL-IN 03 10-N
04	SET SCREW TIGHTENER	ELL-IN 04 06-N
05	SCREWDRIVER SHAFT PS	ELL-IN 05 03-N
06	SCREWDRIVER SHAFT MS	ELL-IN 01 20-N
07	SCREWDRIVER SHAFT SS	ELL-IN 01 16-N
08	SCREWDRIVER SLEEVE	ELL-IN 20 03-N
09	SCREWDRIVER TUBE	ELL-IN 21 03-N
10	PEDICLE PROBE	ELL-IN 02 22-N
11	BONE AWL	ELL-IN 02 01-N
12	STRAIGHT HANDLE RATCHET	HAN-SI RA ST-N
13	T-HANDLE RATCHET	HAN-SI RA TE-N

#	DESCRIPTION	REFERENCE
14	COUNTER TORQUE	ELL-IN 03 11-N
15	ROD BENDER	ELL-IN 00 09-N
16	FINAL TIGHTENER (11Nm - HEXAGONAL)	ELL-IN 05 06-N
17	DISTRACTION FORCEPS	ELL-IN 00 07-N
18	COMPRESSION FORCEPS	ELL-IN 00 08-N
19	CALIPER	ELL-IN 00 12-N
20	IMPLANT HOLDER	ELL-IN 01 04-N
21	ROCKER	ELL-IN 00 05-N
22	ROD TEMPLATE L250	ELL-IN 00 28-N
• 23	SET SCREW HOLDER DOUBLE	ELL-IN 02 10-N
	INSTRUMENTS CONTAINER	ROM-BX 10 01-N

INSTRUMENT SET

LONG CONSTRUCT KIT



ROMEO® 2 - THORACOLUMBAR FIXATION

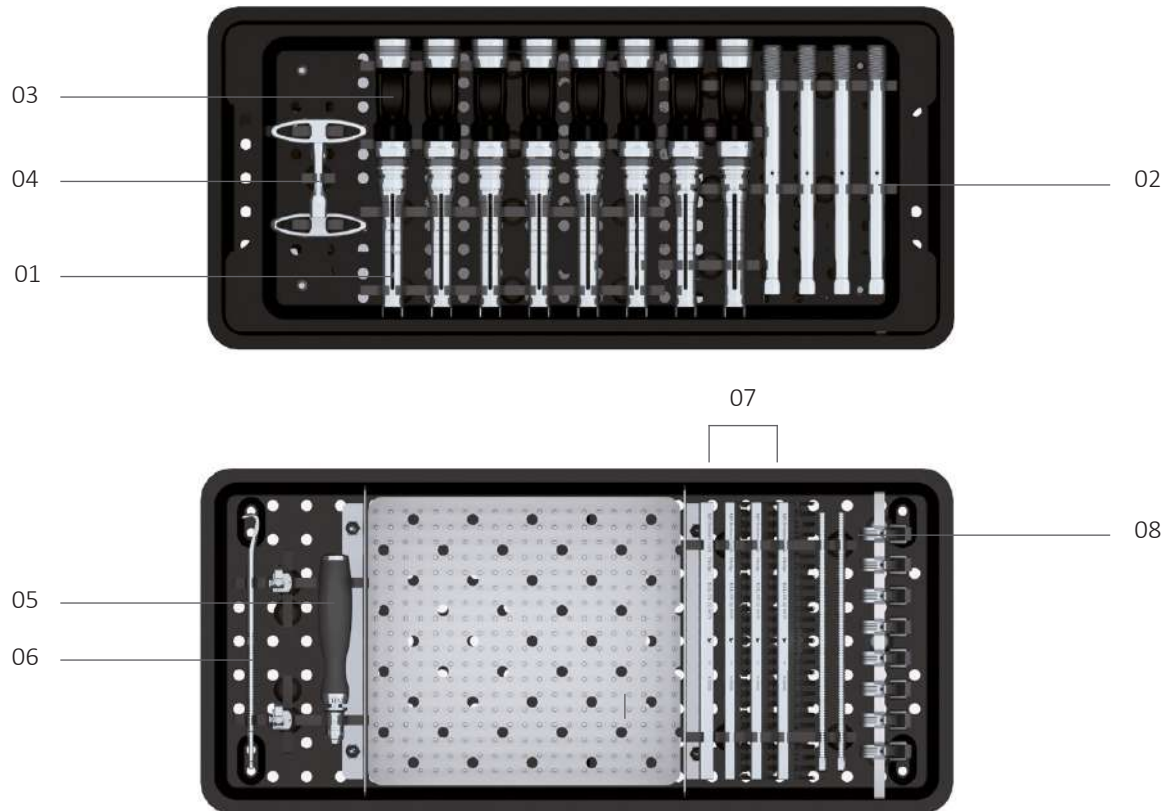
#	DESCRIPTION	REFERENCE
01	LAMINA PREPARER	ELL-IN 00 30-N
02	HOOK PUSHER	ELL-IN 00 32-N
03	PEDICLE PROBE SMALL	ELL-IN 02 23-N
04	PEDICLE PREPARER	ELL-IN 00 29-N
05	HOOK HOLDER LATERAL	ELL-IN 01 31-N
06	HOOK HOLDER	ELL-IN 00 31-N
07	MARKER LEFT	ELL-IN 00 25-N
08	MARKER RIGHT	ELL-IN 00 24-N
09	CORONAL BENDER LEFT	ELL-IN 00 27-N
10	CORONAL BENDER RIGHT	ELL-IN 01 27-N

#	DESCRIPTION	REFERENCE
11	SAGITTAL BENDER LEFT	ELL-IN 00 26-N
12	SAGITTAL BENDER RIGHT	ELL-IN 01 26-N
13	HEXAGONAL WRENCH	ELL-IN 00 33-N
14	DEROTATION FORCEPS	ELL-IN 01 18-N
15	ROD PERSUADER	ELL-IN 01 19-N
• 16	PARALLEL DISTRACTOR	ELL-IN 01 07-N
• 17	PARALLEL COMPRESSOR	ELL-IN 01 08-N
• 18	STRAIGHT ENDTIP	ELL-IN 02 08-N
• 19	OFFSET ENDTIP	ELL-IN 03 08-N
20	ROD TEMPLATE L500	ELL-IN 01 28-N
INSTRUMENTS CONTAINER LC		ROM-BX 40 01-N

• : OPTIONAL

INSTRUMENT SET

QR LINK KIT



#	DESCRIPTION	REFERENCE
01	QR REDUCER - OUTER TUBE	ELL-IN 31 34-N
02	QR REDUCER - INNER TUBE	ELL-IN 32 34-N
03	QR REDUCER - HANDLE	ELL-IN 33 34-N
04	QR REDUCER T-HANDLE	HAN-SS TY 14-N
05	AO HANDLE	HAN-SI AO 08-N
06	RIBAC	ELL-IN 23 34-N
07	QR REDUCER LINK BRIDGE	ELL-IN 22 34-N
08	QR REDUCER LINK	ELL-IN 21 34-N
	QR LINK INSTRUMENT BOX	ROM-BX 41 01-N

SURGICAL TECHNIQUE

_STEP 19

ROD DEROTATION

The rod is axially rotated at 90° to restore the sagittal plane balance.

Attach two **Derotation Forceps** to the rod and/or one **Hexagonal Wrench** on the hexagonal endtip of the rod.

Derotate the rod to have its curvature moving from the frontal plane to the sagittal plane.

NOTE: Make sure to have all the set screws slightly loose before performing any rod derotation maneuvers.



INSTRUMENT	REFERENCE
DEROTATION FORCEPS	ELL-IN 01 18-N
HEXAGONAL WRENCH	ELL-IN 00 33-N

SURGICAL TECHNIQUE

_STEP 20



ROD DEROTATION

Once the derotation of the rod is complete, firmly tighten the set screws of the most proximal screw.

Tightening is achieved with the **Set screw tightener** attached to the **T-handle Ratchet Handle**.

Remove the **Derotation Forceps / Hexagonal Wrench**.

INSTRUMENT	REFERENCE
SET SCREW TIGHTENER	ELL-IN 04 06-N
T-HANDLE RATCHET	HAN-SI RA TE-N



ROMEO[®]2 deformity screws 25D

Innovative implants.



Dear collaboration partner,

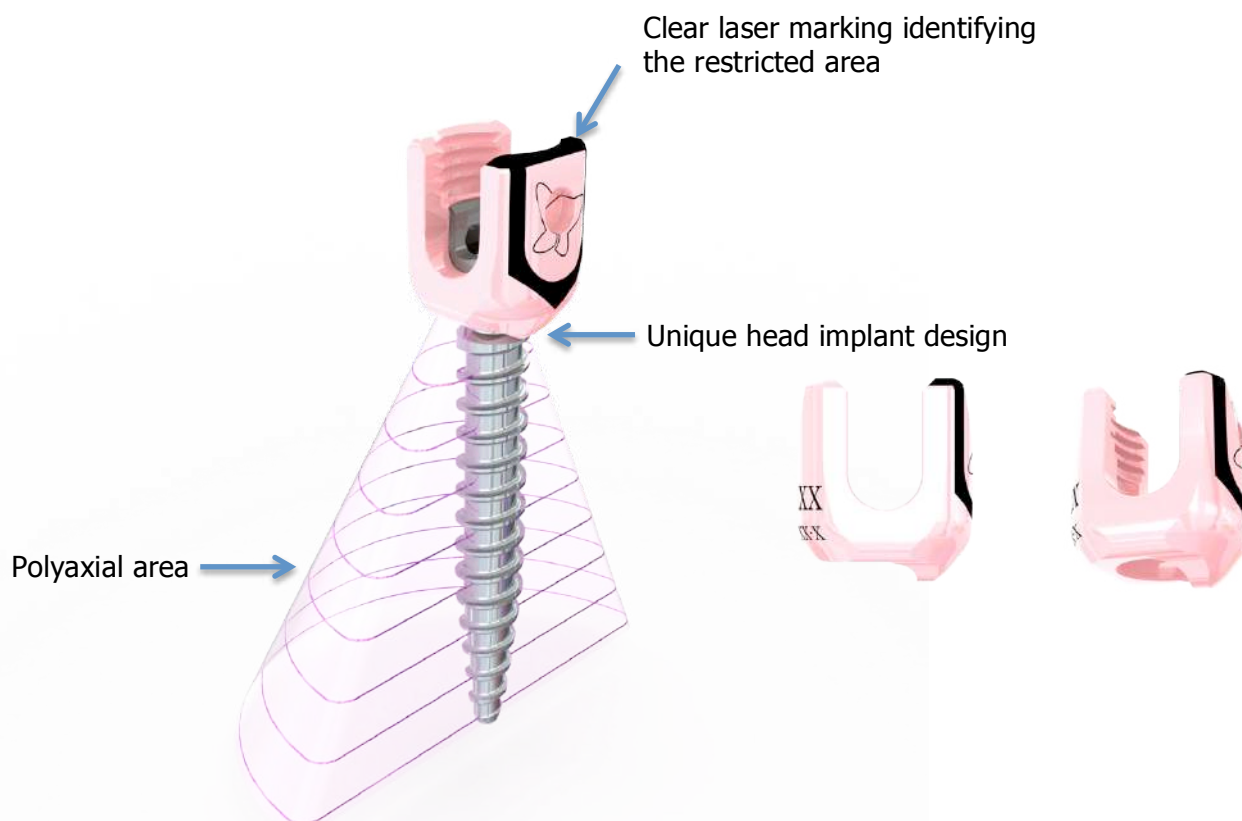
Spineart[®] is pleased to inform you of the development of the 25D screws, extending the range of ROMEO[®]2 screws and opening on surgical solutions for the treatment of spinal deformities.

The 25D screws are deformity-oriented screws sharing the same "streamlined tip" and "low profile" features as the currently available ROMEO[®]2 screws.

New feature: SEMI POLYAXIALITY.

The 25D Deformity screws have a specific design offering a semi polyaxial movement. While the polyaxial area eases rod insertion, the locked direction helps manage derotation maneuvers.

A unique design that combines the comfort of polyaxiality and the precision of monoaxiality.





PRODUCT MANAGEMENT INFORMATION

ROMEO[®] 2 | No. 01/2013-E

The insertion of the screw is achieved using the ROMEO[®] 2 screwdriver assembled with the screwdriver shaft PS (ELL-IN 01 03-N).

With the use of reducers (ELL-IN 00 34-N) or reducers QR (ELL-IN 10 34-N) surgeons can proceed to derotation maneuvers of the spine.





PRODUCT MANAGEMENT INFORMATION

ROMEO® 2 | No. 01/2013-E

Implants available

	Reference	Ø in mm	Length in mm
	ELL-DS 04 25-S	4	25
	ELL-DS 04 30-S	4	30
	ELL-DS 04 35-S	4	35
	ELL-DS 04 40-S	4	40
	ELL-DS 04 45-S	4	45
	ELL-DS 05 30-S	5	30
	ELL-DS 05 35-S	5	35
	ELL-DS 05 40-S	5	40
	ELL-DS 05 45-S	5	45
	ELL-DS 05 50-S	5	50
	ELL-DS 06 30-S	6	30
	ELL-DS 06 35-S	6	35
	ELL-DS 06 40-S	6	40
	ELL-DS 06 45-S	6	45
	ELL-DS 06 50-S	6	50
	ELL-DS 06 55-S	6	55
	ELL-DS 06 60-S	6	60
	ELL-DS 06 70-S	6	70
	ELL-DS 06 80-S	6	80
	ELL-DS 06 90-S	6	90
	ELL-DS 07 30-S	7	30
	ELL-DS 07 35-S	7	35
	ELL-DS 07 40-S	7	40
	ELL-DS 07 45-S	7	45
	ELL-DS 07 50-S	7	50
	ELL-DS 07 55-S	7	55
ELL-DS 07 60-S	7	60	
ELL-DS 07 70-S	7	70	
ELL-DS 07 80-S	7	80	
ELL-DS 07 90-S	7	90	

The 25D screws are delivered **sterile** and **single packed** (including setscrew).

For any further request please do not hesitate to contact me,

Best regards,

OLIVIER PAPUGA
Product Manager
SPINEART®





ROMEO[®] 2_{MIS} trauma screws 25T

Innovative implants.



Dear collaboration partner,

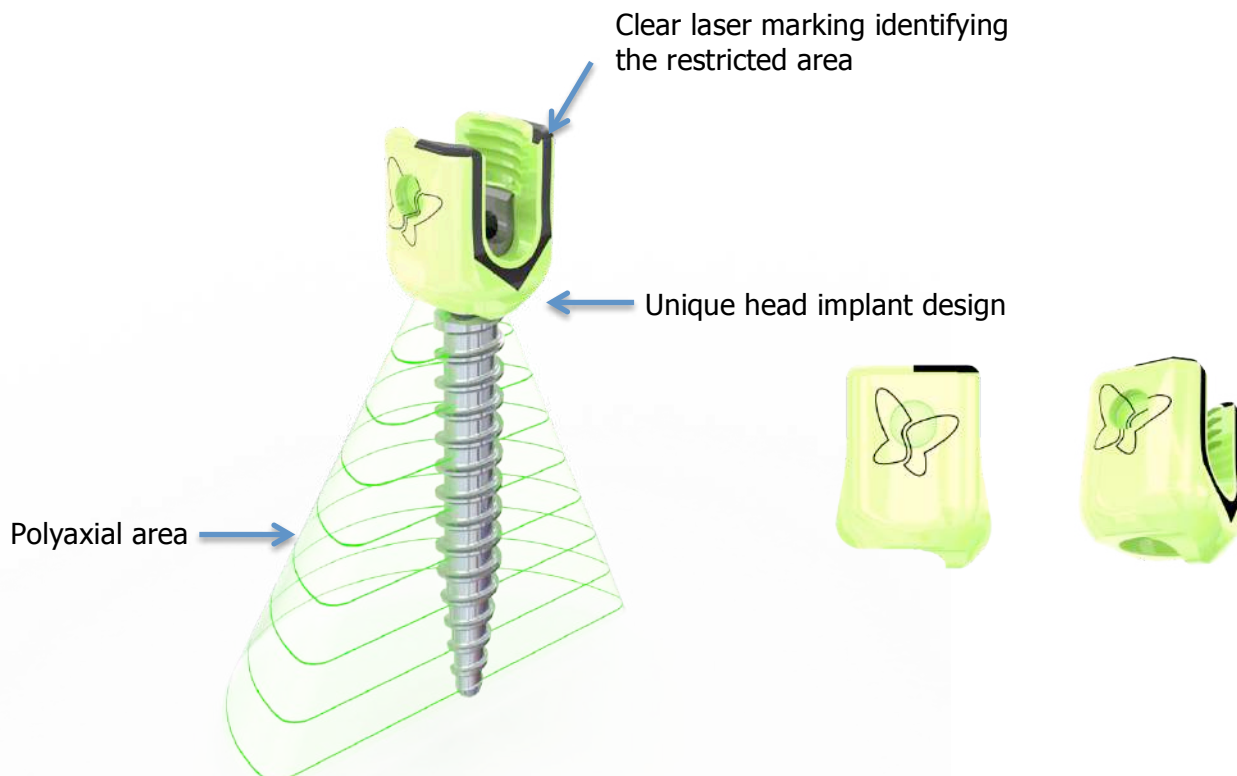
Spineart[®] is pleased to inform you of the development of the 25T screws, extending the range of ROMEO[®] 2_{MIS} screws and providing an innovative alternative for the treatment of spinal trauma cases during minimally invasive surgeries.

The 25T screws are trauma-oriented cannulated screws and present “streamlined tip” and “low profile” features as the currently available ROMEO[®] 2_{MIS} screws.

New feature: SEMI POLYAXIALITY.

The 25T Trauma screws have a specific design offering a semi polyaxial movement. While the polyaxial area eases rod insertion, the locked direction helps manage fracture reduction.

A unique design that combines the comfort of polyaxiality and the precision of monoaxiality.





PRODUCT MANAGEMENT INFORMATION

ROMEO[®] 2_{MIS} | No. 01/2013-E

The insertion of the screw is achieved using the ROMEO[®] 2_{MIS} screwdriver assembled with the screwdriver shaft PS cannulated (MIS-IN 33 01-N). It is **mandatory** to associate the clipping tube (MIS-IN 17 01-N) when using the 25T trauma screws, by matching the "2 windows" side of the clipping tube with the LASER marking on the head of the 25T screw.





PRODUCT MANAGEMENT INFORMATION

ROMEO® 2_{MIS} | No. 01/2013-E

Implants available

	Reference	Ø in mm	Length in mm
	MIS-TS 05 30-S	5	30
	MIS-TS 05 35-S	5	35
	MIS-TS 05 40-S	5	40
	MIS-TS 05 45-S	5	45
	MIS-TS 05 50-S	5	50
	MIS-TS 06 30-S	6	30
	MIS-TS 06 35-S	6	35
	MIS-TS 06 40-S	6	40
	MIS-TS 06 45-S	6	45
	MIS-TS 06 50-S	6	50
	MIS-TS 06 55-S	6	55
	MIS-TS 06 60-S	6	60
	MIS-TS 07 30-S	7	30
	MIS-TS 07 35-S	7	35
	MIS-TS 07 40-S	7	40
	MIS-TS 07 45-S	7	45
	MIS-TS 07 50-S	7	50
	MIS-TS 07 55-S	7	55
	MIS-TS 07 60-S	7	60

The 25T screws are delivered **sterile** and **packed by two** (including setscrews).

For any further request please do not hesitate to contact me,

Best regards,

OLIVIER PAPUGA
Product Manager
SPINEART®

