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Orthopaedic Small Fragment Instruments



Orthopädische Instrumente · Strumenti ortopedici
Instrumental ortopédico · Instruments orthopédiques

Instruments for small fragment and trauma surgery: drill guides, taps, screwdrivers and depth gauges, wire instruments, LC-DCP and DCP plate instruments, bending irons and pliers, cannulated screw instruments, mandible set instruments and general orthopaedic instruments.

EXCEEDING EXPECTATIONS

We are committed to supplying you innovative products.

QUOTATION SERVICES

We will specify, code and price your requirements using our extensive product library, which enables us to cross-reference most products.

QUALITY

All instruments supplied by Vital Surgical Instruments conform to the highest European and international standards.

Small Fragment Instrument



Drill bit for quick coupling

Drill bit 2.5mm dia.
For threaded hole for 3.5 and 4.0mm screws

Drill bit 3.5mm
for gliding hole for 3.5mm screws

Item	Diameter	Total length	Usable length
310.250[1]	**2.5mm**	**110mm**	**085mm**
310.230	**2.5mm**	**180mm**	**155mm**
310.350[1]	**3.5mm**	**100mm**	**085mm**
310.370	**3.5mm**	**195mm**	**170mm**



Tap for 3.5mm Cortex Screws
Predrilling: 2.5mm dia.

Item	Total length	Type
311.310	**175mm**	**with length markings**
311.320[1]	**110mm**	**thread length 50mm**



Drill Bit for Jacobs chuck

Item	Diameter	Total length	Usable length
310.240	**2.5mm**	**095mm**	**080mm**
310.360	**3.5mm**	**095mm**	**080mm**
310.380	**3.5mm**	**180mm**	**165mm**



Tap for 4.0mm Cancellous Bone Screws

Item	Total length	Usable length
311.340[1]	**110mm**	**085mm**



310.890[1]
Countersink Shaft 3.5mm
length 72mm, for quick coupling,
to countersink the screw head



311.430[2]
Handle with quick coupling
length 110mm
for countersinks and
instruments for the removal of damaged screws

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Small Fragment Instrument



311.440[1]
T-Handle with quick coupling
length 80mm, for taps



312.850
Drill Guide with stop 3.5/2.7
to limit drilling depth



312.200[2]
Triple Drill Sleeve 2.0
with 3 holes, opposite side 1 hole

314.030[3]
Screwdriver Shaft, hexagonal, small
length 100mm, for quick coupling
For 2.7 to 4.0mm screws.



312.280[3]
Double Drill Sleeve 3.5/2.5
for 3.5mm cortex screws and 4.0mm cancellous
bone screws
drill bits 3.5 and 2.5 dia.,



314.060
Holding Sleeve



312.300[3]
Insert Drill Sleeve 3.5/2.5
length 42mm, drill bit 2.5mm dia.

Small Fragment Instrument



314.070[1]
Screwdriver, hexagonal, small with groove
length 200mm, for 2.7 to 4.0mm screws



319.020
Measuring Device
fro drill bits, screws, Kirschner wires, and Stelnmann pins



314.090[1]
Holding Sleeve
length 80mm, for 2.7 to 4.0mm screws



319.390[2]
Sharp Hook
length 155mm, for reduction control and removal of
ingrown tissue from screw heads



314.160
Allen Key, hexagonal, small, angled
length 65mm, for 2.7 to 4.0mm screws



319.440[1]
Holding Clip



319.010[2]
Depth Gauge for 2.7 to 4.0m screws
measuring range up to 60mm



319.970[2]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks

Small Fragment Instrument



321.160
Combination Wrench 11mm
length 140mm



321.120
Tension Device, articulated
span 20mm, can also be used as a distractor.
Colour scale: yellow up to 500N, green up to 1000N,
red above 1000N

322.320[1]
DCP Drill Guide 3.5
for neutral an load position, drill bit 2.5m dia.



323.350[2]
LC-DCP Drill Guide 3.5
for neutral an load position, drill bit 2.5mm dia.



323.360[2]
Universal Drill Guide 3.5
Drill bits 2.5 and 3.5mm dia.
Suitable for LC-DCP and round hole plates.



Bending Iron for plates 2.7 and 3.5
Length 150mm, slid widths 2.5 and 4.5mm, required paris

Item	Slid placement
329.040[3]	**4.5/2.5mm**
329.050[3]	**2.5/4.5mm**

Small Fragment Instrument



329.080
Bending Iron for Reconstruction Plates 3.5 and 4.5
length 190mm, required in Paris



329.150[1]
Bending Pliers for plate 2.4 to 4.0
length 230mm



329.290
ending Pliers for Reconstruction Plates 2.7 and 3.5
length 240mm



Bending Templates for DCP 3.5 and LC-DCP 3.5

Item	Length
329.870[2]	**087mm**
329.890[2]	**114mm**
329.820	**150mm**



329.640
Bending Pliers for straight Reconstruction Plates 3.5
length 262mm



329.660
Bending Pliers for angled Reconstruction Plates
bending radius 100mm



391.820[2]
Wire Bending Pliers
length 155mm, for holding and bending wires

Small Fragment Instrument



392.000[1]
Bending Iron for Kirschner Wires
length 120mm, for 1.25 to 2.5mm dia.



398.800[3]
Bone Holding Forceps, self-centering
Length 190mm, speed lock



392.020
Bending Iron for Kirschner Wires
length 115mm, for 0.8 to 1.25mm dia.



398.930
Bone Spreader
length 140mm, speed lock



398.400[2]
Reduction Forceps with points, narrow
length 132mm, ratchet lock



399.180[4]
Retractor, small, 6mm wide
length 160mm, short narrow tip



398.410[1]
Reduction Forceps with points, wide
length 132mm, ratchet lock

Small Fragment Instrument



399.190[1]
Retractor, small, 8mm wid
length 1600, short narrow tip



399.320
Periosteal Elevator
length 200mm, straight shaft
straight edge, width 13mm



399.310
Retractor, can be contoured, 8mm wide
length 200mm



399.360[2]
Periosteal Elevator
length 200mm, slightly curved blade
round edge, width 6mm



399.340
Retractor, can be contoured, 10mm wide
length 200mm



399.370
Periosteal elevator
length 200mm, straight shaft
round edge, width 14mm



399.490[3]
Retractor, 15mm wide
length 160mm

Small Fragment Instrument



399.400[1]
Periosteal Elevator
length 200mm, slightly curved blade,
straight edge, 6mm wide



399.970[2]
Reduction Forceps with points
length 130mm, ratchet lock



399.700
Reduction Forceps, with points
length 130mm, speed lock



399.990[1]
Reduction Forceps, toothed
length 140mm, ratchet lock



399.790
Reduction Forceps, toothed
length 135mm, speed lock

General Instruments



399.320
Periosteal Elevator
length 200mm, straight shaft,
straight edge, width 13mm



399.370[1]
Periosteal Elevator
length 200mm, straight shaft,
round edge, width 14mm



399.330
Periosteal Elevator
length 200mm, curved shaft,
straight edge, width 13mm



399.400
Periosteal Elevator
length 200mm, slightly curved blade,
straight edge, 6mm wide



399.350[1]
Periosteal Elevator
length 200mm, curved shaft,
round edge, width 14mm



399.480
Periosteal Elevator
length 200mm, slightly curved blade, straight edge,
width 3mm



399.360[1]
Periosteal Elevator
length 200mm, slightly curved blade,
round edge, width 6mm

General Instruments



Hammer

Item	Weight	length
399.500	**100g**	**215mm**
399.410	**350g**	**230mm**



Chisel Blade
Length 81mm, thickness 0.9mm

Item	Weight
399.550[1]	**10mm**
399.560[1]	**16mm**
399.570[1]	**25mm**
399.580	**05mm**



Hammer

Item	Weight	length
399.420[1]	**500g**	**230mm**
399.430	**700g**	**230mm**



Gouge for Cancellous Bone Grafts
Length 250mm

Item	Weight
399.610	**05mm**
399.620	**10mm**
399.630	**15mm**
399.650	**05mm**
399.660[1]	**10mm**
399.670	**15mm**



399.540[1]
Chisel Handel
length 185mm

General Instruments



Osteotome
Length 150mm

Item	width
399.800	**02mm**
399.810	**05mm**
399.820	**10mm**



399.850
Pelvic Osteotomy Chisel, 15mm wide
length 304mm



399.860
Pelvic Osteotomy Chisel, 20mm wide
length 304mm



398.510[1]
Bone Hook, sharp, small
length 230mm



398.520[1]
Bone Hook, sharp, medium
length 230mm



398.530
Bone Hook, sharp, large
length 200mm



399.200[1]
Retractor, length 220mm
short narrow tip

General Instruments



Retractor, length 235mm
Length 150mm

Item	width	tip
399.210[1]	**18mm**	short, narrow
399.270	**18mm**	long, narrow



399.250
Retractor, length 250mm
22mm wide, wide tip



Retractor, length 240mm

Item	width	tip
399.220	**43mm**	short, narrow
399.230	**70mm**	short, narrow



399.280[1]
Retractor, length 270mm
24mm wide, wide tip, for hip surgery



399.240
Retractor, length 235mm
43mm wide, long angled blade



399.290
Humeral Head Retractor, length 220mm

Bone Forceps



398.930
Bone Spreader, length 140mm
length 140mm, speed lock



399.150
Fibular Forceps, bent
length 210mm, speed lock



399.100
Bone Spreader, length 210mm
Speed lock, 8mm blade width



399.160
Holding Forceps for tibial edge fragments
length 210mm, speed lock



399.130
Bone Spreader, length 270mm
Speed lock, 12mm blade width



399.170
Malleolar Forceps
length 210mm, with 2 points meeting at a 15° angle,
speed lock



399.140
Bone forceps, straight
length 210mm, speed lock

Bone Forceps



398.760
Patella Forceps
length 175m, speed lock



399.940[2]
Reduction forceps with points
length 165mm, ratchet lock



Bone Holding Forceps, self-centering

Speed lock

Item	Length
398.790	150mm
398.800	190mm
398.810[1]	240mm
398.820[1]	260mm
398.830[1]	280mm



399.780
Reduction forceps with points, large
length 200mm, speed lock



Reduction Forceps, serrated jaws

Speed lock

Item	Length
399.050[1]	240mm
399.060[1]	170mm



399.980[1]
Reduction forceps with points, large
length 200mm, ratchet lock

Chisels, Impactors, Rasps



397.800
Rasp, half-round
length 140mm



397.850
Gouge, curved, 5mm wide
length 140mm



397.810
Gouge, straight, 5mm wide
length 140mm



397.860[1]
Gouge, curved, 10mm wide
length 140mm



397.820
Gouge, straight, 10mm wide
length 140mm



397.870[1]
Gouge, curved, 15mm wide
length 140mm



397.830
Gouge, straight, 15mm wide
length 140mm



397.910[1]
Gouge, flat, straight, 16mm wide
length 140mm

Chisels, Impactors, Rasps



397.700[1]
Handle with quick coupling
length 150mm



397.740[1]
Cancellous Bone Impactor, rectangular, 6x16mm
Length 140mm



397.710[1]
Cancellous Bone Impactor, curved, 6mm dia.
Length 140mm



397.750[1]
Cancellous Bone Impactor, rectangular, 10x20mm
Length 140mm



397.720[1]
Cancellous Bone Impactor, curved, 6mm dia. flattened
Length 140mm



397.760[1]
Cancellous Bone Impactor, rectangular, 10x30mm
Length 140mm



397.730[1]
Cancellous Bone Impactor, straight, 8mm dia.
Length 140mm



397.790
Rasp, round
Length 140mm

Chisels, Impactors, Rasps



397.930
Chisel, flat, curved, 16mm wide
length 140mm



397.960
Chisel, flat, curved, 4mm wide
length 140mm



397.970
Chisel, flat, curved, 8mm wide
length 140mm



397.990
Chisel, flat, curved, 20mm wide
length 140mm

Wire Instruments



391.800[1]
Holding Forceps for Cerclage Wires
length 170mm



391.900[2]
Wire Cutter, small
length 160mm, for wires up to 1.5mm dia.



391.820[1]
Wire Bending Pliers
length 155mm, or holding and bending wires



391.930[1]
Wire Cutter, large
length 220mm
with multicator, for cerclage wires up to 2.5mm dia.



391.850[1]
Parallel Pliers, flat-nosed
length 160mm



391.940
Wire Cutter, long
length 230mm, for wires up to 1.25mm dia.



391.880[1]
Vice Grip
length 180mm, maximum opening 34mm



391.970[3]
Wire Cutter, short
length 175mm, for wires up to 1.25mm dia.

Wire



Cerclage Wire with eye
Packs of 10 Wires

Item	Diameter	Length
291.080	**0.80mm**	**280mm**
291.010[1]	**1.00mm**	**280mm**
291.020[1]	**1.25mm**	**280mm**
291.030	**1.00mm**	**600mm**
291.040	**1.25mm**	**600mm**
291.110	**1.50mm**	**280mm**
291.120	**1.50mm**	**600mm**



Cerclaeg Wires without eye
In precut lengths
packs of 10 wires

Item	Diameter	Length
291.220	**0.40mm**	**150mm**
291.240	**0.60mm**	**175mm**
291.260	**0.80mm**	**200mm**
291.270	**1.00mm**	**250mm**
291.280	**1.25mm**	**300mm**



Wire Coil
Length 10 meters

Item	Diameter
291.090	**0.80mm**
291.050[1]	**1.00mm**
291.060[1]	**1.25mm**
291.130	**1.50mm**



Kirschner Wire with trocar tip
Packs of 10 units

St. steel	Diameter	Length	Titanium Alloy
292.060	**0.60mm**	**070mm**	**492.060**
292.080	**0.80mm**	**070mm**	**492.080**
292.090	**0.80mm**	**150mm**	**492.090**
292.100[1]	**1.00mm**	**150mm**	**492.100**
292.110	**1.00mm**	**280mm**	**492.110**
292.120[1]	**1.25mm**	**150mm**	**492.120**
292.130	**1.25mm**	**280mm**	**492.130**
292.140	**1.40mm**	**150mm**	**492.140**
292.150	**1.40mm**	**280mm**	**492.150**
292.160[1]	**1.60mm**	**150mm**	**492.160**
292.170	**1.80mm**	**150mm**	**492.170**
292.180	**1.60mm**	**280mm**	**492.180**
292.190	**1.80mm**	**280mm**	**492.190**
292.200[1]	**2.00mm**	**150mm**	**492.200**
292.210	**2.00mm**	**280mm**	**492.210**
292.230	**2.00mm**	**400mm**	**492.230**
292.250[1]	**2.50mm**	**150mm**	**492.250**
292.260	**2.50mm**	**280mm**	**492.260**
292.280	**2.50mm**	**400mm**	**492.280**
292.300[2]	**3.00mm**	**150mm**	**492.300**
292.310	**3.00mm**	**280mm**	**492.310**
292.330	**3.00mm**	**400mm**	**492.330**

Instruments for Mandible Set 2.

Drill Bit, for quick coupling



Item	diameter	length	usable length
310.190[1]	**2.0mm**	**100mm**	**145mm**
310.210[1]	**2.0mm**	**125mm**	**100mm**
310.260[1]	**2.7mm**	**100mm**	**075mm**
310.280[1]	**2.0mm**	**125mm**	**100mm**

Drill bit 2.mm dia:
for treaded hole for 2.7mm screws

Drill bit 2.7mm dia.:
For gliding hole for 2.7mm screws

Drill Bit, for J Latch coupling



Item	diameter	length	usable length
316.530	**2.0mm**	**100mm**	**075mm**
316.540	**2.0mm**	**135mm**	**110mm**
316.550	**2.7mm**	**100mm**	**075mm**
316.560	**2.7mm**	**125mm**	**100mm**

Drill Bit, for Jacobs chuck



Item	diameter	length	usable length
310.200	**2.0mm**	**085mm**	**070mm**
310.270	**2.7mm**	**085mm**	**070mm**

Drill Bit, for mini quick coupling



Item	diameter	length	usable length
513.100	**2.0mm**	**028mm**	**016mm**
513.130	**2.0mm**	**052mm**	**040mm**
513.140	**2.0mm**	**067mm**	**055mm**
316.420	**2.0mm**	**115mm**	**100mm**
513.170	**2.7mm**	**028mm**	**016mm**
513.190	**2.7mm**	**067mm**	**054mm**
316.430	**2.7mm**	**115mm**	**100mm**

Wire Instruments



392.000[1]
Bending Iron for Kirschner Wires
length 120mm, for 1.25 to 2.5mm dia.



392.040
Hand Chuck for Kirschner Wires
length 145m, Spanbereic 0.6 to 1.6mm dia.



392.020
Bending Iron for Kirschner Wires
length 115mm, for 0.8 to 1.25mm dia.



392.240
Protective Cap, plastic
for Kirschner Wires, 2.5mm dia.
Packs of 10 units

Wire Instruments



310.190[1]
Drill bit 2.0mm dia., for quick coupling
length 100mm, usable length 75mm



391.210[2]
Wire Tightener
length 240mm, with handle and two pegs



312.200[1]
Triple Drill Guide 2.0mm
with 3 holes, opposite side 1 hole



391.230[3]
Cerclage Wire Tightener
length 260mm
for twisting, for temporary fixation during reduction



391.100[2]
Wire Passer
45mm bending diameter



391.130[1]
Wire Passer
70mm bending diameter



391.250
Forceps for twisting wires, long
length 230mm

Instruments for Mandible Set 2.7



319.390[1]
Sharp Hook
length 155mm, for reduction control and removal of ingrown tissue from screw heads



322.240[1]
DCP Mandible Drill Guide 2.7 short
drill bit 2.0mm dia



319.970[1]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



322.250[1]
DCP Mandible Drill Guide 2.7 long
drill bit 2.0mm dia



397.200[1]
Trocar Points, small
for transbuccal application



397.300[1]
Drill Sleeve 3.0 with point
length 55mm



322.260[1]
Handle for Drill Guides
single

Instruments for Mandible Set 2.7



397.170
Drill Sleev 2.7



322.260
Handle for Drill Guides
for nos. 397.150 to 170.single



319.540
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 45mm

Instruments for Wrist Fusion



323.360
Universal Drill Guide 3.5
Drill bit 2.5 and 3.5mm dia., And tisue protection for taps nos. 311.310/320/340, Suitable for LC-DCP and round hole plates.



399.480[1]
Periosteal Elevator
length 200mm, slightly curved blade, straight edge, width 3mm



319.970[1]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks

Instruments for Mandible Set 2.7



398.900[1]
Mandibular Reduction Forceps
length 260mm



398.910[1]
Compression Rollers
one pair, us wit number 398.900



398.940[1]
Holding Forceps wit foot
length 180mm, for plates, wit ratchet lock



398.980[1]
Reduction Forceps wit points
length 180mm, ratchet lock



397.110
Handle with Sleeve
wit rotating drill guide and anchoring point



397.120
Trocar Point, large, for number 397.110
for nos. 387.000/397.110



397.130
Cheek Retractor Ring, for number 397.110
for nos. 387.000/397.110

Insert Drill Sleeve



Item	For diameter
397.150	**1.5mm**
397.160	**2.0/2.7mm**

Instruments for Mandible Set 2.7

Bending Iron for plates 2.7 and 3.5



Length 150mm, slid width 2.5
and 4.5mm, required in paris

Item	Slid position
329.040[1]	**4.5/2.5mm**
329.050[1]	**2.5/4.5mm**



329.150[1]
Bending Pliers for plates 2.4 to 4.0
length 230mm



329.270[1]
Bending Pliers
for reconstruction plates 2.7,
length 270mm, required in paris



329.400[1]
Bending Template, length 295mm
for reconstruction plates 2.4 to 4.0



329.550[1]
Bending Template, length 60mm
for plates 2.7



329.570[1]
Bending Template, length 85mm
for plates 2.7



329.950[1]
Cutter for thin plates 1.5 to 2.7
length 256mm

Instruments for Mandible Set 2.7



310.810[1]
Countersink 1.5 to 2.7
length 95mm



311.430[1]
Handle wit quick coupling
length 110mm



311.260[1]
Tap for 2.7mm Cortex Screws
total length 100mm, thread length 33mm
predrilling: 2.0mm dia.



312.240[1]
Double Drill guide 2.7/2.0

(without illustration)



314.020[1]
Screwdriver, hexagonal, small, with Holding Sleeve
length 200mm



311.280[1]
Tap for 2.7mm Cortex Screws
total length 125mm, thread length 40mm
predrilling: 2.0mm dia.



319.010[1]
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm

Instruments for Wrist Fusion



Drill Bit for quick coupling

Drill bit 2.0mm dia.
For threaded hole for 2.7mm screws

Drill bit 2.5mm dia.
For threaded hole for 3.5mm screws

Item	Diameter	Total length	Usable length
310.190[1]	**2.0mm**	**100mm**	**145mm**
310.250	**2.5mm**	**110mm**	**085mm**



311.430[1]
Handle with quick coupling
length 110mm
instruments for the removal of damaged screws



314.020[2]
Screwdriver, hexagonal, small, with Holding Sleeve
length 200mm



311.260[1]
Tap for 2.7mm Cortex Screws
total length 100mm, thread length 33mm
predrilling: 2.0mm dia.



319.010[1]
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm



311.320
Tap for 3.5mm Cortex Screws
total length 110mm, thread length 50mm
predrilling: 2.5mm dia.



323.260
Universal Drill Sleeve 2.7
Drill bits 2.0 and 2.7mm dia.,
Suitable for LC-DCP and round hole plates.

Mini Instruments



Drill bit for quick coupling

Drill bit 1.1mm dia
for threaded hole for 1.5mm screws

Drill bit 1.5mm dia.
For threaded hole for 2.0mm screws and gliding hole for 1.5mm screws

Drill bit 2.0mm dia.
For threaded hole for 2.7 mm dia.
For gliding hole for 2.7mm screws

Item	Diameter	Total length	Usable length
310.110¹	**1.1mm**	**060mm**	**035mm**
310.150¹	**1.5mm**	**085mm**	**060mm**
310.160	**1.5mm**	**110mm**	**085mm**
310.190¹	**2.0mm**	**100mm**	**145mm**
310.120	**2.0mm**	**125mm**	**100mm**
310.210¹	**2.7mm**	**100mm**	**075mm**
310.280	**2.7mm**	**125mm**	**100mm**



310.870¹
Countersink Shaft 2.7
length 62mm, for quick coupling



310.880¹
Countersink Shaft 1.5/2.0
length 52mm, for mini quick coupling



Drill Bit for Jacobs chuck

Item	Diameter	Total length	Usable length
310.100	**1.1mm**	**45mm**	**30mm**
310.140	**1.5mm**	**70mm**	**55mm**
310.200	**2.0mm**	**85mm**	**70mm**
310.270	**2.7mm**	**85mm**	**70mm**



311.150¹
Tap for 1.5mm Cortex Screws
total length 50mm, thread length 20mm
predrilling: 1.1mm dia.

Mini Instruments



312.140[1]
Double Drill Sleeve 1.5/101
for 1.5mm cortex screws
drill bits, 1.5 and 1.1mm dia



312.200[2]
Triple Drill Guide 2.0
with 3 holes, opposite side 1 hole



312.220[1]
Double Drill Sleeve 2.0/1.5
for 2.0mm cortex screws



312.240[1]
Double Drill Sleeve 2.7/2.0
for 2.7mm cortex screws



322.150
DCP Drill Guide 2.0
for neutral and load position
drill bit 1.5mm dia.



322.210
DCP Drill Guide 2.7
for neutral and load position
drill bit 2.0mm dia.



314.300
Screwdriver, hexagonal, with Holding Sleeve,
length 165mm for 1.5 and 2.0mm stainless
steel screws with hexagonal socket

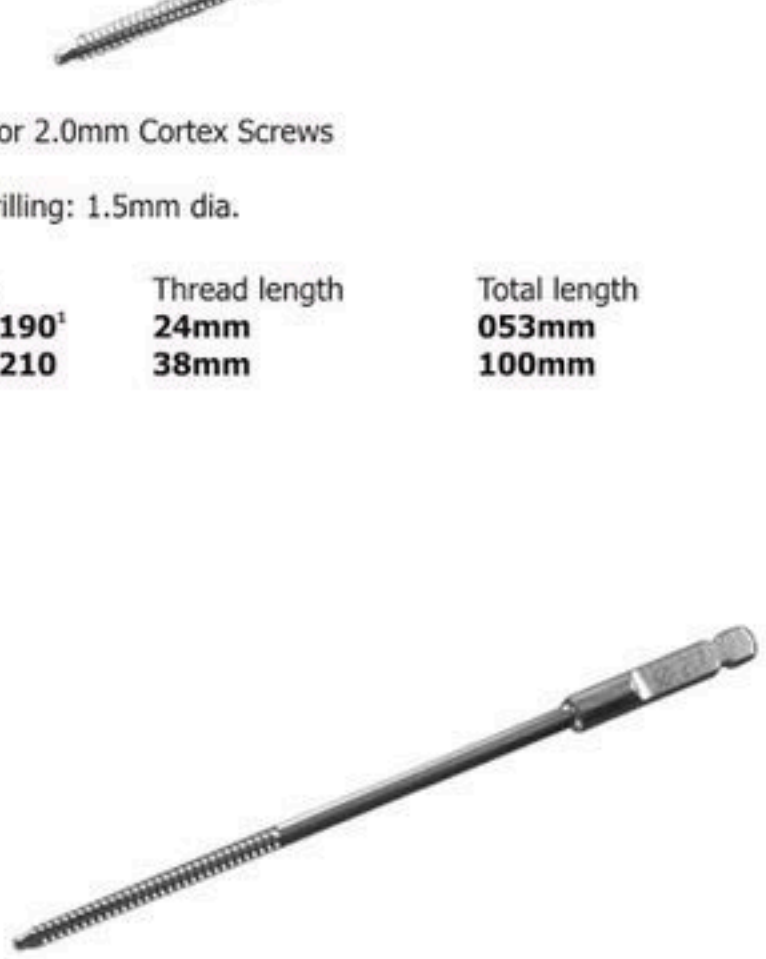
Mini Instruments



Tap for 2.0mm Cortex Screws

Predrilling: 1.5mm dia.

Item	Thread length	Total length
311.190[1]	**24mm**	**053mm**
311.210	**38mm**	**100mm**



Tap for 2.7mm Cortex Screws

Predrilling: 2.0mm dia.

Item	Thread length	Total length
311.260[1]	**33mm**	**100mm**
311.280	**40mm**	**150mm**



310.950[2]
Handle with mini quick coupling



311.011
Handle, small, with mini quick coupling



311.012
Handle, medium, with mini quick coupling



311.013
Handle, large, with mini quick coupling



311.430[1]
Handle with quick coupling
length 110mm
instruments for the removal of damaged screws

Mini Instruments



319.020
Measuring Device
for drill bits, screws, Krischner wires, and steinmann pins



319.440[2]
Holding Clip



319.010[1]
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm



319.970[1]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



319.060[1]
Depth Gauge for 1.5 to 2.0mm screws
measuring range up to 38mm



Bending Ion for plates 1.5 and 2.0

Item	Length	Slid width
329.010[3]	**130mm**	**2.5mm**



319.390[1]
Sharp Hook
length 155mm, for reduction control and removal of ingrown tissue from screw heads

Mini Instruments



319.020
Measuring Device
for drill bits, screws, Krischner wires, and steinmann pins



319.440[2]
Holding Clip



319.010[1]
Depth Gauge for 2.7 to 4.0mm screws
measuring range up to 60mm



319.970[1]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



319.060[1]
Depth Gauge for 1.5 to 2.0mm screws
measuring range up to 38mm



Bending Ion for plates 1.5 and 2.0

Item	Length	Slid width
329.010[3]	**130mm**	**2.5mm**



319.390[1]
Sharp Hook
length 155mm, for reduction control and removal of ingrown tissue from screw heads

Mini Instruments



314.320[1]
Screwdriver Shaft, hexagonal, with Holding Sleeve
fro 1.5 and 2.0mm stainless steel screws
with hexagonal socket,



314.070[4]
Screwdriver Shaft, hexagonal, small with groove
length 200mm, for 2.7 to 4.0mm screws



313.980
Holding Sleeve for Mini Screws
single



314.060[5]
Holding Sleeve for no. 314.030
single, as spare



314.670[2]
Screwdriver Shaft, cruciform, 1.5/2.0, with Holding Sleeve
length 50mm, for 1.5 and 2.0mm



314.080
Holding Sleeve for
lengt 80mm for 2.7mm screws and
3.5mm cannulated screws



314.030[3]
Screwdriver Shaft, hexagonal, small
length 100mm, for quick coupling
For 2.7 to 4.0mm screws



314.160
Allen Key, hexaonal, small, angled
length 65mm, for 2.7 to 4.0mm screws

Basic LC-DCP and DCP Instruments



329.300
Bending Press
length 400mm

Bending Templates for DCP 4.5 and LC-DCP 4.5



Item	Length
329.970[1]	**120mm**
329.990[1]	**155mm**
329.920	**210mm**

Note:
Additionally required instruments
Plate-bending instruments
COMPACT AIR DRIVE
Chuck wit key/quick coupling for drill bits
Supplementary instrument sets
Cannulated screw instrument sets
Small fragment instrument set
Retractors, periosteal elevators, chisels
Reduction Forceps
Wire instrument set
Chisels and gouges for cancellous bone grafts
Instrument set fro the removal of damaged screws Distractor



329.680
Bending Template for Recontruction Plates 4.5
length 255mm, straight, can be cut

Basic LC-DCP and DCP Instruments



329.300
Bending Press
length 400mm

Bending Templates for DCP 4.5 and LC-DCP 4.5



Item	Length
329.970[1]	**120mm**
329.990[1]	**155mm**
329.920	**210mm**

Note:
Additionally required instruments
Plate-bending instruments
COMPACT AIR DRIVE
Chuck wit key/quick coupling for drill bits
Supplementary instrument sets
Cannulated screw instrument sets
Small fragment instrument set
Retractors, periosteal elevators, chisels
Reduction Forceps
Wire instrument set
Chisels and gouges for cancellous bone grafts
Instrument set fro the removal of damaged screws Distractor



329.680
Bending Template for Recontruction Plates 4.5
length 255mm, straight, can be cut

Basic LC-DCP and DCP Instruments



323.460[1]
Universal Drill Guide 4.5/3.2
Drill bits 3.2 and 4.5mm dia.



329.240
Bending Pliers for plates



329.020
Bending Iron LC-DCP/DCP
length 250mm, for small and broad LC-DCP, DCP
slit widths 5 and 7mm, Required in pairs



329.250
Anvil, narrow



329.080
Bending Iron for Reconstruction Plates 3.5 and 4.5
length 190mm, required in paris



329.260
Anvil, large

Basic LC-DCP and DCP Instruments



319.390[1]
Sharp Hook
length 155mm, for reduction control and removal of ingrown tissue from screw heads



321.160[1]
Combination Wrench 11mm
length 140mm



319.970
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



321.170[1]
Pin Wrench
length 120mm, 4.5mm dia.
For tension device, distractor and knurted nut of insertion handle for instramedullary nail



321.120[1]
Tension Device, articulated
Span 20mm, can also be used as a distractor.
Colour scale: yellow up to 500N, green up to 1000N, red above 1000N.



322.440[1]
DCP Drill Guide 4.5
for neutral and load position, drill bit 3.2mm dia.



321.150[2]
Socket Wrench 11mm
lengh 200mm



323.450[1]
LC-DCP Drill Guide 4.5
for neutral and load position, drill bit 3.2mm dia.

Basic LC-DCP and DCP Instruments



314.140
Allen Key, hexagonal, angled
for 4.5 to 7.0mm screws



314.270[1]
Screwdriver, hexagonal, large, with groove
length 240mm



314.150[1]
Screwdriver Shaft, Hexagonal, large
length 100mm,
Final tightening of the screw has to
be done by hand.



314.280[1]
Holding Sleeve, large, length 120mm
for Nos. 314.190/240/260/270/275



314.170
Screwdriver with Universal Joint, large
length 290mm



319.020
Measuring Device
fro drill bits, screws, Kirschner wires,
and Steinmann pins



314.210
Wrench 8mm, for Cortex Nuts
length 150mm



319.100[1]
Depth Gauge for 4.5mm to 6.5mm screws
measuring range up to 110mm

Basic LC-DCP and DCP Instruments



311.660[1]
Tap for 6.5mm Cancellous Bone Screws
length 195mm, predrilling: 3.2mm dia.



312.470
Drill Sleeve, pointed



312.330
Insert Drill Sleeve wit stop, for 4.5mm screws
adjustable length to limit drilling depth,
external dia. 4.5mm for drill bits of 3.2mm dia.



312.480[1]
Insert Drill Sleeve 4.5/3.2
length 80mm
for long lag screws



312.670[1]
Double Drill Sleeve 6.5/3.2
for 6.5mm cancellous bone screws
drill bit: 3.2mm dia.



312.460[1]
Double Drill Sleeve 4.5/3.2
for 4.5mm cortex screws
drill bits: 4.5 and 3.2mm dia



314.130
Screwdriver, hexagonal, with T-Handle,
large to loosen tight screws.
A normal screwdriver can be
additionally inserted in the hollow
shaft of the T-handle.

Basic LC-DCP and DCP Instruments

Drill Bit for quick coupling



Drill bit 3.2mm dia.
For threaded hole for 4.5 and 6.5mm screws

Drill bit 4.mm dia.
For gliding hole for 4.5mm screws

Item	Diameter	Total length	Usable length
310.190[1]	**2.0mm**	**100mm**	**145mm**
310.310[2]	**3.2mm**	**145mm**	**120mm**
310.290	**3.2mm**	**195mm**	**170mm**
310.440[2]	**4.5mm**	**145mm**	**120mm**
310.480	**4.5mm**	**195mm**	**170mm**

Drill bit for jaccobs chuck



Item	Diameter	Total length	Usable length
310.200	**2.0mm**	**085mm**	**070mm**
310.320	**3.2mm**	**130mm**	**115mm**
310.300	**3.2mm**	**180mm**	**165mm**
310.450	**4.5mm**	**130mm**	**115mm**
310.490	**4.5mm**	**180mm**	**165mm**



310.990[2]
Countersink, large
length 180mm, for 4.5mm cortex screws



311.440[2]
T-Handle wit quick coupling
length 80mm, or taps

Tap for 4.5mm Cortex Screws



Predrilling: 3.2mm

Item	Length	Type
311.460[2]	**125mm**	**thread length 70mm**
311.470	**175mm**	**with length markings**

DHS-DCS Instruments



292.200[1]
Kirschner Wire 2.0 dia. With trocar tip
length 150mm



311.460[1]
Tap for 4.5mm Cortex Screws
total length 125mm, thread length 70mm
predrilling: 3.2mm dia.



Drill Bit for quick coupling

Drill bit 3.2mm dia.
For threaded hole for 4.5 and 6.5 mm screws

Drill bit 4.5mm dia.
For gliding hole for 4.5mm screws

Item	Diameter	Length	Usable length
310.020	**3.2mm**	**225mm**	**200mm**
310.190[1]	**2.0mm**	**100mm**	**145mm**
310.310[1]	**3.2mm**	**145mm**	**120mm**
310.440[1]	**4.0mm**	**145mm**	**120mm**



311.660[1]
Tap for 6.5mm Cancellous Bone Screws
length 195mm, predrilling: 3.2mm dia.

Missing



311.440[1]
T-Handle with quick coupling
length 80mm, for taps

311.670[1]
Double Drill Sleeve 6.5/3.2
for 6.5mm cancellous bone screws
drill bit: 3.2mm dia.



314.150[1]
Screwdriver Shaft, hexagonal, large
length 100mm,
Final tightening of the screw has to be done by hand.

DHS-DCS Instruments



DHS Angled Guide

Item	angle
338.010[1]	135°
388.020	140°
338.030	145°
338.040[1]	150°



338.080[1]
DHS/DCS T-Handle with quick coupling
length 80mm, for taps and drill guides



338.050[1]
DHS/DCS Direct Measuring Device
length 200mm



338.100
Drill Bit 8.0mm dia.
Length 245mm



338.060[2]
DHS/DCS Wrench
length 245mm



338.110
DHS Reamer
(witout illustration)



338.120
Nut, knurled
for DHS and DCS reamers

Angled Blade Plate Instrument Set



292.200[1]
Kirschner Wire 2.0mm dia., With trocar tip
length 150mm



310.190[2]
Drill Bit 2.0mm dia., For quick coupling
length 100/75mm



322.430[1]
DCP Hip Drill Guide 4.5
for neutral and load position, for 4.5mm screws with DHS and angled blade plates, sleeve length 60mm, drill bit 3.2mm dia.



323.460
Universal Drill Guide 4.5
Drill bits 3.2 and 4.5mm dia.
Suitable for LC-DCP, DCP and round hole plates



332.010[1]
Triple Drill Guide
130° angle, for 130° angled blade plates and for condylar plates,
drill bit 4.5mm dia.



332.050
Router, for Jacobs chuck
length 90mm



332.060[1]
Router, for quick coupling
length 90mm

DHS-DCS Instruments



338.220[1]
Coupling Screw, long
for the removal of DHS/DCS screws



338.470
DCS Reamer



338.420
DCS Angled Guide



511.760
Quick coupling for DHS/DCS Triple Reamer



338.440
DHS Reamer
for DHS plates with short barrel



338.490
Quick coupling for DHS/DCS Triple Reamer



338.440
DHS Reamer
for DHS plates with short barrel

(without illustration)

338.560
DHS Torque-Indicating Screwdriver
length 225mm



338.720
Drill Sleve 4.5/2.0



338.460
DCS Triple Reamer, complete

DHS-DCS Instruments



338.130[1]
DHS Triple Reamer, Complete
with reamer number 338.110



338.180[2]
DHS/DCS Centering Sleeve, short
for DHS/DCS tap no 338.170



338.140[2]
DHS/DCS Impactor
length 200mm



338.190[2]
DHS/DCS Centering Sleeve, long
for DHS/DCS wrench number 338.060



338.250
Insert for DHS/DCS Impactor number 338.140
single



338.200[2]
Coupling Screw, short
for the insertion of DHS/DCS screws, together with
guide shaft number 338.210



338.170[1]
DHS/DCS Tap
length 220mm, for DHS/DCS screws



338.210[2]
Guide Shaft
for the insertion of DHS/DCS screws,
together with th sort coupling screw
number 338.200

Angled Blade Plate Instrument Set



332.090[1]
Chisel Guide
with adjustable angle



322.190
Seating Chisel
length 260mm, for angled blade plates for small adults, adolescents and children, T-Profile



332.120[1]
Seating Chisel
length 320mm, for angled blade plates for adults, U-profile



332.200[1]
Slotted Hammer
length 270mm



332.160[1]
Inserter/Extractor, with Adjustable Clamps
length 270mm, for the insertion and extraction of angled plates for adults and hip plates for adolescents and children as well as tibial plateau osteotomy plates.



332.210[1]
Impactor



332.170
Seating Chisel
length 260mm
for infant hip plates, T-Profile



332.350
Inserter/Extractor
length 175mm, for infant hip plate and mini hip plate.

DHS-DCS Instruments



338.730
Drill Sleeve 4.5/3.2
length 93mm



338.280[1]
DHS/DCS Impactor for one-step insertion
length 260mm



338.740
Drill Sleeve 6.0/4.5
length 80mm



338.300[1]
DHS/DCS Wrench for one-step insertion
length 230mm, for insertion of DHS/DCS screws



338.750
DHS Parallel Drill Guide
length 175mm



338.310[1]
Coupling Screw

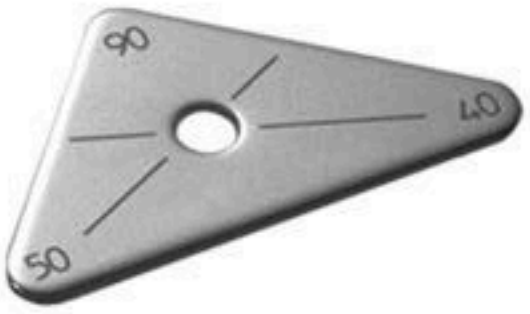


338.260
Insert for DHS/DCS Impactor



338.320[1]
DHS/DCS Centering Sleeve

Angled Blade Plate Instrument Set



Positioning Plates, triangular, length approx. 4mm

Item	Angle
333.060[1]	**90°/50°/40°**
333.070[1]	**80°/70°/30°**
333.080[1]	**100°/60°/20°**



333.160[1]
Positioning Plate, quadrangular, for varisation osteotomy
110°/90°/90°/70°, height 45mm



333.200[1]
Condylar Plate Guide
to determine the correct plate position and direction of blade

DHS-DCS Instruments



314.270[1]
Screwdriver, hexagonal, large, with groove
Length 250mm



322.430[1]
for neutral and load position, for 4.5mm srews with DHS and agled blade plates, sleeve length 60mm, drill bit 3.2mm dia.
Length 250mm



314.280[1]
Holding Sleeve, large, length 120mm
for nos 314.190/240/260/270/275



323.460[1]
Universal Drill Guide 4.5
Drill bits 3.2 and 4.5mm dia., And tissue protection for taps nos. 311.460/470. Suitable for LC-DCP, DCP and round hole plates



319.100[1]
Depth Gauge, for 4.5 to 6.5mm scrws
measuring range up to 110mm



338.000[2]
DHS/DCS Threased Guide Wire, 2.5mm dia.
Length 230mm



319.970[1]
Screw forceps, self-holding
length 85mm, to take screws out of the screw racks

Instruments for 7.0mm Cannulated Screw



319.310[1]
Trocar 2.0mm dia.
Length 118mm, for percutaneous insertion of 7.0mm cannulated screws



319.320[1]
Drill Sleeve 4.5/2.0
length 109mm, for percutaneous insertion of 7.0mm cannulated screws



319.330[1]
Drill Sleeve 8.0/4.5
length 100mm, for percutaneous insertion of 7.0mm cannulated screws



319.340[1]
Protection Sleeve 11.0/8.0
for percutaneous insertion of 7.0mm cannulated screws

Instruments for 7.0mm Cannulated Screw



292.650[1]
Guide Wire 2.0mm dia., With threaded tip
length 230mm



311.690[1]
Tap. Cannulated, for 7.0mm Cannulated Screws
length 230mm



310.190[1]
Drill Bit 2.0mm dia., For quick coupling
length 100/75mm



312.460[1]
Double Drill Sleeve 4.5/3.2
for 4.5mm cortex screws



315.690[1]
Drill Bit 4.5/2.1 dia., Cannulated
length 230/210mm, 3-flute, calibrated,
for Jacobs chuck



312.710[1]
Parallel Wire Guide 2.0mm dia.



310.790
Countersink, cannulated, for 7.0mm Cannulated Screws
length 230mm

Instruments for 7.0mm Cannulated Screw



314.190[1]
Screwdriver, ehxagonal, cannulated, for 7.0mm Cannulated Screws
length 245mm



319.360[1]
Stylet 2.0mm dia.
Length 280mm, for cannulated instruments



314.280[1]
Holding Sleeve, large, length 120mm
for nos 314.190/240/260/270/275



319.440[1]
Holding Clip



319.210[1]
Direct Measuring Device for 7.0mm Cannulated Screws
length 230mm



319.970[1]
Screw Forceps, self-holding
length 85mm, to take screws out of the screw racks



319.270
Cleaning Brush 2.1mm dia.
Length 285mm, for cannulated instruments



319.300[1]
Parallel drill Guide 4.5
for percutaneous insertion of 7.0mm cannulated screws

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