



PRECISION
INNOVATION
PERFORMANCE

VETERINARY ORTHOPEDIC INSTRUMENTS

Premium Surgical Solutions
for Animal Healthcare



DOGS



CATS



EQUINE



LIVESTOCK



EXOTIC ANIMALS



PRECISION
ENGINEERED



SURGICAL GRADE
STAINLESS STEEL



CE QUALITY



OEM
MANUFACTURING



WORLDWIDE
EXPORT

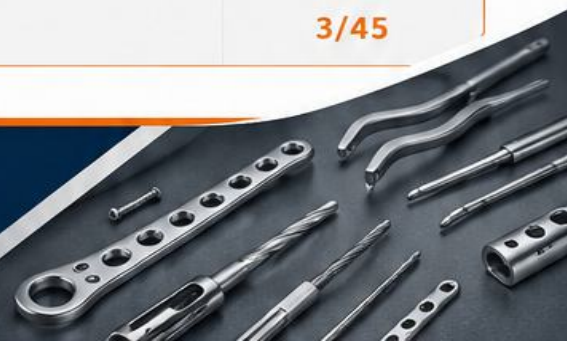


MADE IN
SIALKOT PAKISTAN

TABLE OF CONTENTS



			PAGE
01		Instruments for Removal of Damaged Screws	3/3
02		Drill Bits	3/5
03		Countersinks	3/7
04		Taps	3/8
05		Drill Guides	3/10
06		Chucks and Handles	3/13
07		Screwdrivers	3/15
08		Various Instruments	3/18
09		Depth Gauges	3/20
10		LCP Instruments	3/22
11		UniLOCK Instruments	3/24
12		Bending Instruments	3/25
13		Aiming Instruments	3/29
14		Wire and Cable Instruments	3/32
15		Forceps	3/36
16		Hooks	3/41
17		Retractors	3/42
18		Hammers, Osteotomes, Chisels and Gouges	3/45



Instruments for Removal of Damaged Screws

Hollow Reamers, complete, counter-clockwise cutting
to expose broken screws (including Schanz Screws)
use with Handles 311.441 and 311.430

	for
309.150	1.5 mm screws
309.200	2.0 mm screws
309.250	2.7 mm screws
309.035	3.5 mm and 4.0 mm screws



	for
309.450	4.5 mm screws
309.065	5.0 mm, 6.0 mm, 6.5 mm and 7.0 mm screws

Spare Centering Pins, for Hollow Reamers

	For No.
309.070	309.150
309.170	309.200
309.270	309.250



	For No.
309.370	309.035
309.470	309.450
309.670	309.065

Spare Reamer Tubes, for Hollow Reamers

	For No.
309.080	309.150
309.180	309.200
309.280	309.250

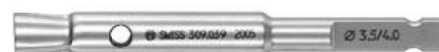


	For No.
309.038	309.035
309.480	309.450
309.068	309.065

Extraction Bolts

with internal left-hand thread
to remove broken screws (including Schanz Screws)
use with Handles 311.441 and 311.430

	for
309.090	1.5 mm screws
309.190	2.0 mm screws
309.290	2.7 mm screws
309.039	3.5 mm and 4.0 mm screws



	for
309.490	4.5 mm screws
309.069	5.0 mm, 6.0 mm, 6.5 mm and 7.0 mm screws

Extraction Screws, conical

with left-hand thread
for removal of screws with damaged hexagonal socket
use with Handle 311.441

	for
309.510	1.5 mm and 2.0 mm screws
309.520	2.7 mm, 3.5 mm and 4.0 mm screws



	for
309.521	3.5 mm screws
309.530	4.5 mm and 6.5 mm screws

Extraction Devices, conical

309.501	Extraction Screw, conical, for Support Screws Ø 5.5/3.2 mm
----------------	---



Drill Bits

Drill Bits, 2-flute, for Jacobs Chuck

	Ø mm	Total length mm	Usable Length mm
310.100	1.1	45	30
310.140	1.5	70	55
310.511	1.8	100	64
310.521	1.8	125	100
310.200	2.0	85	70
310.531	2.4	100	64
310.541	2.4	125	100
310.240	2.5	95	80



	Ø mm	Total length mm	Usable Length mm
310.270	2.7	85	70
310.320	3.2	130	115
310.300	3.2	180	165
310.360	3.5	95	80
310.380	3.5	180	165
310.450	4.5	130	115
310.490	4.5	180	165

Drill Bits, 2-flute, for Quick Coupling

	Ø mm	Total length mm	Usable Length mm
310.110	1.1	60	35
310.150	1.5	85	60
310.160	1.5	110	85
310.510	1.8	100	75
310.520	1.8	125	100
310.190	2.0	100	75
310.210	2.0	125	100
310.530	2.4	100	75
310.540	2.4	125	100
310.250	2.5	110	85
310.230	2.5	180	155
310.260	2.7	100	75



	Ø mm	Total length mm	Usable Length mm
310.280	2.7	125	100
310.310	3.2	145	120
310.290	3.2	195	170
310.350	3.5	110	85
310.370	3.5	195	170
310.401	4.0	160	130
310.400	4.0	197	172
310.430	4.3	221	
310.440	4.5	145	120
310.480	4.5	195	170
310.550	5.5	197	
310.600	6.0	195	170

310.509 Drill Bit Ø 1.8 mm, with marking, length 110/85 mm, 2-flute, for Quick Coupling



310.288 Drill Bit Ø 2.8 mm, length 110 mm, for AO/ASIF Quick Coupling



310.431 Drill Bit Ø 4.3 mm, length 180 mm, for Quick Coupling



323.062 Drill Bit $\varnothing$ 2.0 mm, with double marking, length 140/115 mm, 3-flute, for Quick Coupling



Drill Bits, 3-flute, for Quick Coupling

	$\varnothing$ mm	Total length mm	Usable Length mm
315.210	2.0	125	100
315.250	2.5	110	85
315.280	2.7	125	100

	$\varnothing$ mm	Total length mm	Usable Length mm
315.310	3.2	145	120
315.370	3.5	195	170
315.480	4.5	195	170

Note

more lengths available



Countersinks

310.880 Countersink 1.5 to 2.4, length 52 mm, for Mini Quick Coupling

for use with Handle no. 310.950



310.972 Countersink for Screws Ø 2.0 and 2.4 mm, Stainless Steel



310.870 Countersink 2.7, length 62 mm

for use with Handle no. 311.430



310.890 Countersink 3.5

for 3.5 mm Cortex and 4.0 mm Cancellous Bone Screws



310.860 Countersink, cannulated, for Cannulated Screws Ø 3.5 and 4.0 mm



310.990 Countersink, large, length 180 mm, for Cortex Screws Ø 4.5 mm



3

Taps

311.150	Tap for Cortex Screws $\varnothing$ 1.5 mm, length 50/20 mm <i>for Handle nos. 310.950 and 311.010 predrilling: $\varnothing$ 1.1 mm</i>	
311.190	Tap for Cortex Screws $\varnothing$ 2.0 mm, length 53/24 mm <i>for Handle nos. 310.950 and 311.010 predrilling: $\varnothing$ 1.5 mm</i>	
311.210	Tap for Cortex Screws $\varnothing$ 2.0 mm, length 100/38 mm <i>for Handle nos. 310.950 and 311.010 predrilling: $\varnothing$ 1.5 mm</i>	
311.260	Tap for Cortex Screws $\varnothing$ 2.7 mm, length 100/33 mm <i>for Handle no. 311.430 predrilling: $\varnothing$ 2.0 mm</i>	
311.280	Tap for Cortex Screws $\varnothing$ 2.7 mm, length 125/40 mm <i>predrilling: $\varnothing$ 2.0 mm</i>	
311.320	Tap for Cortex Screws $\varnothing$ 3.5 mm, length 110/50 mm <i>predrilling: $\varnothing$ 2.5 mm</i>	
311.330	Tap for Cortex Screws $\varnothing$ 3.5 mm, length 180/110 mm <i>predrilling: $\varnothing$ 2.5 mm</i>	
311.340	Tap for Cancellous Bone Screws $\varnothing$ 4.0 mm, length 110/85 mm	
311.460	Tap for Cortex Screws $\varnothing$ 4.5 mm, length 125/70 mm <i>predrilling: $\varnothing$ 3.2 mm</i>	
311.470	Tap for Cortex Screws $\varnothing$ 4.5 mm, calibrated, length 175 mm <i>predrilling: $\varnothing$ 3.2 mm</i>	



319.250 Cleaning Brush Ø 1.35 mm, for
Cannulated Instruments



319.380 Cleaning Stylet Ø 1.25 mm, for Cannulated
Instruments



321.120 Tension Device, articulated, span 20 mm

*may also be used as a distractor
coloured scale: yellow up to 500 N, green
up to 1000 N, red above 1000 N*



321.150 Socket Wrench Ø 11.0 mm



3

319.440 Holding Clip for Washers

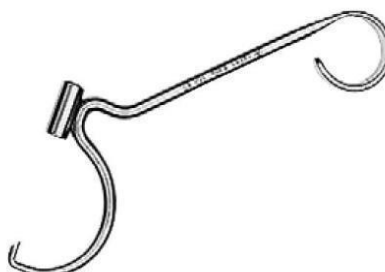


Drill Guides

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



312.470 Drill Guide, pointed
to be used with 312.460



Universal Drill Guides

323.201 Universal Drill Guide 2.0, Stainless Steel



323.202 Universal Drill Guide 2.4
*for Drill Bits $\varnothing$ 2.4 and 1.8 mm,
 for LC-DCP® and round hole plates*



323.260 Universal Drill Guide 2.7
*for Drill Bits $\varnothing$ 2.0 and 2.7 mm, as a tissue
 protection for Taps nos. 311.260/280, for
 neutral and load position*



323.360 Universal Drill Guide 3.5
*for Drill Bits $\varnothing$ 2.5 and 3.5 mm, as a tissue
 protection for Taps nos. 311.260/280,
 for neutral and loaded position*



323.460 Universal Drill Guide 4.5/3.2, for neutral
 and load position
for Drill Bits $\varnothing$ 3.2 and 4.5 mm



322.535 Veterinary: Universal Drill Guide 5.5



DCP® Drill Guides, for neutral and load position

322.150 DCP® Drill Guide 2.0, for neutral and load position



322.210 DCP® Drill Guide 2.7, for neutral and load position



322.320 DCP® Drill Guide 3.5, for neutral and load position



322.440 DCP® Drill Guide 4.5, for neutral and load position



LC-DCP® Drill Guides

323.350 LC-DCP® Drill Guide 3.5, for neutral and load position



323.450 LC-DCP® Drill Guide 4.5, for neutral and load position



323.520 Drill Sleeve 4.0, for neutral and load position



3



Double Drill Guides

312.140 Double Drill Guide 1.5/1.1, for No. 311.150

for Drill Bits Ø 1.5 and 1.1 mm



312.220 Double Drill Guide 2.0/1.5

*for Drill Bits Ø 2.0 and 1.5 mm,
Tap nos. 311.190/210*



312.181 Double Drill Guide 2.4/1.8, with Centering Collar

for Drill Bits Ø 1.8 and 2.4 mm



312.350 Double Drill Guide 2.7/1.25

*for Drill Bit Ø 2.7 mm and Guide Wire
Ø 1.25 mm*



312.240 Double Drill Guide 2.7/2.0

*for Drill Bits Ø 2.7 and 2.0 mm,
Tap nos. 311.260/280*



312.280 Double Drill Guide 3.5/2.5

*for Drill Bit Ø 3.5/2.5 mm,
Tap nos. 311.320/330/340*



312.460 Double Drill Guide 4.5/3.2



312.670 Double Drill Guide 6.5/3.2

Drill Bit Ø 3.2 mm, Tap no. 311.660



Chucks

310.930 Drill Chuck, small, with Key, for No. 511.110



393.105 Universal Chuck, small, with T-Handle



310.932 Spare Key, for Nos. 310.930, 532.016 and 05.001.120



310.940 Quick Coupling for Hand Drill



393.101 Adapter for Seldrill™ Schanz Screw Ø 4.0 mm


3
Handles

310.950 Handle with Mini Quick Coupling
for Screwdriver Shaft no. 314.320, Countersink and Tap 1.5/2.0; may also be used instead of Handle no. 311.011



311.010 Handle with Mini Quick Coupling, Stainless Steel



311.011 Handle, small, with Mini Quick Coupling



03.100.000 Handle, lockable, with Mini Quick Coupling



311.430 Handle with Quick Coupling,
length 110 mm



311.431 Handle with Quick Coupling



311.013 Handle, large, with Mini Quick Coupling



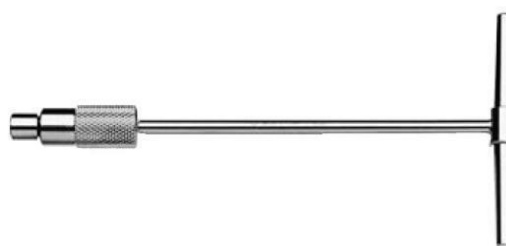
311.420 Handle, large, with Quick Coupling,
length 155 mm



311.440 T-Handle with Quick Coupling



311.441 T-Handle, large, with Quick Coupling,
length 160 mm



397.700 Handle with Quick Coupling



397.705 Handle for Torque Limiter
Nos. 511.770 and 511.771



397.706 Handle for Torque Limiter No. 511.774



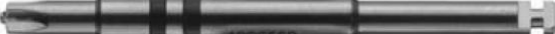
Screwdrivers

312.550	Protection Sleeve 5.5	
313.940	Screwdriver, cruciform, with Holding Sleeve, for Cortex Screws Ø 2.4 mm	
313.960	Screwdriver, cruciform, not self-holding, for Cortex Screws Ø 2.4 mm	
314.020	Screwdriver, hexagonal, small, with Holding Sleeve <i>for screws Ø 2.7 mm</i>	
314.041	Screwdriver Stardrive® 3.5, T15, with Groove, length 200 mm	
314.270	Screwdriver, hexagonal, large, Ø 3.5 mm, with Groove, length 240 mm	
314.290	Screwdriver, hexagonal, cannulated, for Cannulated Screws Ø 3.5 and 4.0 mm	
314.170	Screwdriver with Universal Joint, large, Ø 3.5 mm, length 290 mm	
314.118	Screwdriver Stardrive®, T25, self-holding, length 245 mm <i>for screws Ø 4.5/5.0 mm</i>	
314.130	Screwdriver, hexagonal, with T-Handle, large <i>to loosen tight screws A normal screwdriver can additionally be inserted into the hollow shaft of the T-handle.</i>	

3



Screwdriver Shafts

313.991	Screwdriver Shaft 1.0, cruciform, self-holding, for Mini Quick Coupling <i>for Cortex Screws Ø 1.0 mm, fits Handle no. 310.01X, recommended for use with Reduction Forceps with Drill Sleeve no. 399.003</i>	
313.992	Screwdriver Shaft 1.3, cruciform, self-holding	
313.822	Screwdriver Shaft Stardrive® 1.3, short, self-holding, for Mini Quick Coupling	
313.993	Screwdriver Shaft 1.5/2.0, cruciform, self-holding	
314.670	Screwdriver Shaft 1.5/2.0, cruciform, with Holding Sleeve, length 66 mm, blue	
314.320	Screwdriver Shaft, hexagonal, for Screws Ø 1.5 and 2.0 mm <i>fits Handle no. 310.950 and 311.011</i>	
313.832	Screwdriver Shaft Stardrive® 1.5, short, self-holding, for Mini Quick Coupling	
313.842	Screwdriver Shaft Stardrive® 2.0, short, self-holding, for Mini Quick Coupling	
313.843	Screwdriver Shaft Stardrive® 2.0, long, self-holding, for Mini Quick Coupling	
314.451	Screwdriver Shaft Stardrive® 2.4, short, self-holding, for Mini Quick Coupling	
03.900.022	Screwdriver Shaft, cruciform 2.4, length 100 mm	
314.467	Screwdriver Shaft, Stardrive®, T8, self-holding	



314.030 Screwdriver Shaft, hexagonal, small,
 Ø 2.5 mm



314.116 Screwdriver Shaft Stardrive® 3.5, T15,
 self-holding, for AO/ASIF Quick Coupling



314.150 Screwdriver Shaft, hexagonal, large,
 Ø 3.5 mm



for Quick Coupling

03.900.032 Screwdriver Shaft, hexagonal, hexagonal
 head 4 mm, length 100 mm



314.119 Screwdriver Shaft Stardrive® 4.5/5.0, T25,
 self-holding, for AO/ASIF Quick Coupling



03.900.042 Screwdriver Shaft, T25, length 100 mm



03.900.044 Screwdriver Shaft, T40, length 100 mm



Various Instruments

Sleeves

312.300 Drill Sleeve Insert 3.5/2.5, length 42 mm

for long Lag Screws



312.480 Drill Sleeve Insert 4.5/3.2, length 80 mm,
for long Lag Screws



312.570 Drill Sleeve 5.5/4.0



Holding Sleeves

313.980 Holding Sleeve for Mini Screws, for
Nos. 314.300 and 314.320



314.060 Holding Sleeve, for Nos. 314.020, 314.030,
314.070, 314.550 and 314.570



314.080 Holding Sleeve, for Nos. 314.070, 314.290,
314.550 and 314.570

*for screws Ø 2.7 mm and Cannulated
Screws Ø 3.5 and 4.0 mm*



314.468 Holding Sleeve for Screws Stardrive®
Ø 2.4 mm, T8, for Screwdriver Shafts
Ø 3.5 mm, for No. 314.467



314.110 Holding Sleeve, large



Instruments

314.210 Wrench Ø 8.0 mm, for Nuts for Cortex
Screws Ø 4.5 mm



319.150 Direct Measuring Device for Cannulated
Screws Ø 3.5 and 4.0 mm



319.250 Cleaning Brush Ø 1.35 mm, for Cannulated Instruments



319.380 Cleaning Stylet Ø 1.25 mm, for Cannulated Instruments



321.120 Tension Device, articulated, span 20 mm

*may also be used as a distractor
coloured scale: yellow up to 500 N, green
up to 1000 N, red above 1000 N*



321.150 Socket Wrench Ø 11.0 mm



319.440 Holding Clip for Washers

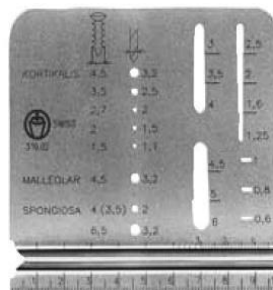


3



Depth Gauges

319.020 Measuring Device for Drill Bits, Screws, Kirschner Wires, and Steinmann Pins



319.110 Depth Gauge for Screws
Ø 1.5 and 2.0 mm, measuring range up to 26 mm



319.006 Depth Gauge for Screws Ø 1.5 mm to 2.0 mm, measuring range up to 38 mm



319.060 Depth Gauge for Screws Ø 1.5 to 2.0 mm, measuring range up to 38 mm



319.520 Depth Gauge for Screws Ø 1.5 to 2.0 mm, measuring range up to 45 mm



319.005 Depth Gauge for Screws
Ø 2.0 and 2.4 mm, measuring range up to 40 mm



*for depth measuring for Cortex Screws
Ø 2.4 mm and Buttress Pins Ø 1.8 mm*

319.530 Depth Gauge for MF Cortex Screws
Ø 2.0 and 2.4 mm, measuring range from 6 to 40 mm



319.040 Depth Gauge for Screws, measuring range up to 50 mm



for 2.7 mm and small screws

319.010 Depth Gauge for Screws Ø 2.7 to 4.0 mm, measuring range up to 60 mm



319.090 Depth Gauge for Long Screws $\varnothing$ 3.5 mm,
measuring range up to 110 mm



319.091 Depth Gauge for Cortex Screws $\varnothing$ 3.5 mm,
measuring range up to 150 mm



319.100 Depth Gauge for Screws $\varnothing$ 4.5 to 6.5 mm,
measuring range up to 110 mm



357.402 Depth Gauge for Locking Screws
 $\varnothing$ 5.0 mm



LCP Instruments

323.034 LCP Drill Sleeve 2.0, with Scale, for Drill Bits
Ø 1.5 mm with marking



323.030 LCP Drill Sleeve 2.0, for Drill Bits Ø 1.5 mm



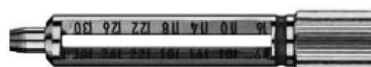
323.031 LCP Drill Sleeve 2.4, for Drill Bits Ø 1.8 mm



323.029 LCP Drill Sleeve 2.4, with Scale up
to 30 mm, for Drill Bits Ø 1.8 mm



323.033 LCP Drill Sleeve for LCP Screws
Ø 2.7 mm (head LCP 2.4), with Scale up
to 30 mm, for Drill Bits Ø 2.0 mm



323.061 LCP Drill Sleeve 2.7 (head LCP 2.4), with
Scale up to 60 mm, for Drill Bits Ø 2.0 mm



312.648 LCP Drill Sleeve 3.5, for Drill Bits Ø 2.8 mm



323.027 LCP Drill Sleeve 3.5, for Drill Bits Ø 2.8 mm



312.449 Threaded Drill Guide 4.3



323.042 LCP Drill Sleeve 5.0, for Drill Bits Ø 4.3 mm



324.081 Centering Sleeve for Kirschner Wire
Ø 1.25 mm



323.055 Centering Sleeve for Kirschner
Wire Ø 1.6 mm, length 70 mm, for
Nos. 323.027 and 323.054



323.044 Centering Sleeve for Kirschner Wire
Ø 2.0 mm, length 110 mm, for
No. 323.042



323.054 Drill Sleeve 5.0/2.9, for PHILOS Aiming Device



323.053 Centering Sleeve 6.0/5.0, for PHILOS Aiming Device



329.921 Bending Pin for LCP Plates 2.0, with thread



329.922 Bending Pin for LCP Plates 2.4 and 2.7, with thread



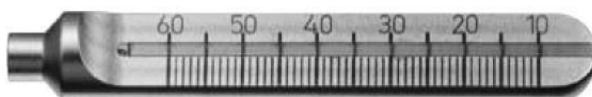
329.916 Bending Pin for LCP Plates 3.5, with thread



324.031 Plate Holder with thread $\varnothing$ 3.5 mm, long



323.060 PHILOS Direct Measuring Device for Kirschner Wire $\varnothing$ 1.6 mm



324.024 Instrument for temporary reduction



311.449 Tension Device for LCP 4.5/5.0



UniLOCK Instruments

312.155 Drill Sleeve 1.5, for LOCK Plates 2.0



312.156 Drill Sleeve 1.5, with thread, for LOCK Plates 2.0



397.441 Drill Sleeve 1.8, with thread, for UniLOCK Reconstruction Plates



397.442 Drill Sleeve 2.4, with thread, for UniLOCK Reconstruction Plates



313.847 Screwdriver Shaft Stardrive® 2.0, short, self-holding, for Hexagonal Coupling



313.848 Screwdriver Shaft Stardrive® 2.0, long, self-holding, for Hexagonal Coupling



311.007 Handle, large, with Hexagonal Coupling

without illustration

329.142 Bending Pliers with Nose, for Pure Titanium Plates 2.4 and 2.7



391.972 Plate Cutter, burr-free, for Midface Plates 1.0/1.3/1.5/2.0



Bending Instruments

Bending Irons

392.020 Bending Iron for Kirschner Wires, for Wires
Ø 0.8 to 1.25 mm



392.000 Bending Iron for Kirschner Wires, for Wires
Ø 1.25 to 2.5 mm



329.010 Bending Iron for Plates 1.5 and 2.0,
length 130 mm



329.040 Bending Iron for Plates 2.4 to 3.5,
length 145 mm
*slit widths 2.5 and 4.5 mm, required with
329.050*



329.050 Bending Iron for Plates 2.4 to 3.5,
length 145 mm



required with no. 329.040

329.070 Bending Iron
*For 2.7 mm and 3.5 mm Reconstruction
Plates.*



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



required in pairs

329.020 Bending Iron for LC-DCP® 4.5 and
DCP® 4.5, length 250 mm



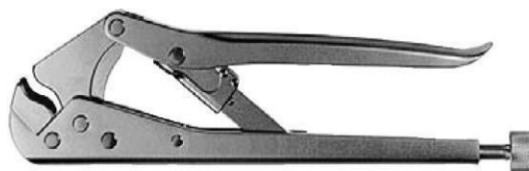
required in pairs

Bending Pliers

329.120 Bending Pliers for Plates 1.5 to 2.7,
length 140 mm



329.150 Bending Pliers for Plates 2.4 to 4.0,
length 230 mm



329.240 Bending Pliers for Plates 4.5,
length 250 mm, complete, with Anvils
Nos. 329.250 and 329.260



Anvils for Bending Pliers no. 329.240



for
329.250 narrow plates

for
329.260 broad plates

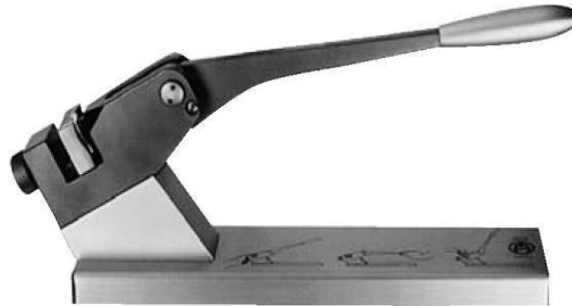
329.270 Bending Pliers, length 270 mm, for
Reconstruction Plates 2.4/2.7



329.290 Bending Pliers for Reconstruction
Plates 2.7 and 3.5



329.300 Bending Press, length 400 mm



Bending Templates for 2.7 mm and 3.5 mm plates



	Holes
329.550	5

	Holes
329.570	7

Bending Templates for Reconstruction Plates



	Holes	for
329.680	16	Straight Reconstruction Plates 4.5
329.640	22	Straight Reconstruction Plates 3.5
329.400	37	Reconstruction Plates 2.4 to 4.0

Bending Templates for 3.5 mm LC-DCP®, DCP® and LCP Plates



	Holes	Length mm
329.870	7	87
329.890	9	114

	Holes	Length mm
329.820	12	153

Bending Templates for 4.5 mm LC-DCP®, DCP® and LCP Plates



	Holes	Length mm
329.970	7	120
329.990	9	155

	Holes	Length mm
329.920	12	210



Aiming Instruments

Drill Sleeves

	Ø mm	Length mm
333.320	2.0	
333.330	3.2	



	Ø mm	Length mm
333.310	3.5	110
333.340	4.5	

333.420 Drill Sleeve 2.0, with two Parallel Holes



333.350 Hook, small, for Aiming Device



333.360 Slider, for Aiming Device



333.370 Measuring Bar



333.380 Hook, double-curved, for Aiming Device



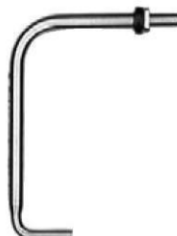
333.390 Forked Impactor, for No. 333.380



3



333.400 Hook for Large External Fixator



333.410 Hook, large, syndesmoplasty in the knee



333.530 Check Tube Ø 7.0/5.0 mm



380.010 Special Drill Guide 3.2/2.0, for Veterinary



391.160 Drill Bit Ø 2.0 mm, for Quick Coupling, for cruciate ligament arthroplasty



380.030 Drill Bit Ø 3.2 mm with Stop, for Veterinary



Quick Coupling

380.050 Special Angle Gauge, for Veterinary



380.070 Special Drill Guide for Oscillating Saw, for Veterinary



391.090 Wire Passer



391.150 Suture Passer



394.160 Trocar Ø 3.5 mm, long



Wire and Cable Instruments

391.100 Wire Passer, bending diameter 45 mm



391.130 Wire Passer, bending diameter 70 mm



391.105 Cable Passer, medium



391.107 Cable Passer, large



391.104 Cable Passer, large, curved



391.201 Cable Tensioner



391.210 Wire Tightener, length 230 mm



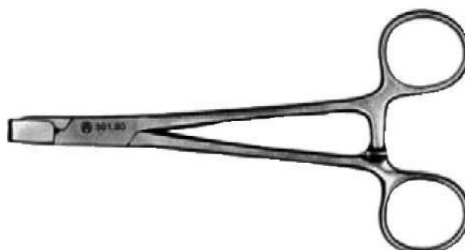
391.230 Cerclage Wire Tightener, length 260 mm



391.250 Forceps, for twisting wires, long, length 212 mm



391.800 Holding Forceps for Cerclage Wires,
length 170 mm



391.820 Wire Bending Pliers, length 155 mm, for
Wires up to Ø 1.25 mm



391.850 Parallel Pliers, flat-nosed, length 160 mm



391.880 Vice Grip, length 180 mm



391.882 Cable Crimper



391.900 Wire Cutter, small, length 160 mm



3



391.970 Wire Cutter, short, length 175 mm

for wires up to Ø 1.25 mm



391.930 Wire Cutter, large, with multiplication, length 220 mm

for wires up to Ø 2.5 mm



391.940 Wire Cutter, long, length 230 mm



391.944 Wire Cutter for Kirschner Wire up to Ø 2.5 mm



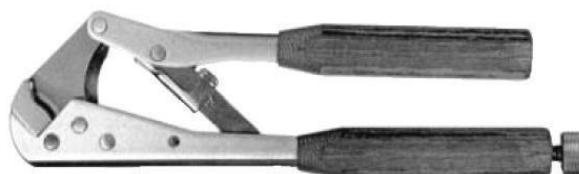
391.905 Cable Cutter, standard



391.906 Cable Cutter, large



391.950 Cutting Pliers for Plates 1.5 to 2.7, length 256 mm



391.962 Bending/Cutting Pliers



391.963 Universal Bending Pliers, length 165 mm



398.650 Pliers for Screw Removal, length 205 mm



392.040 Handle for Kirschner Wires
Ø 0.6 to 1.6 mm



Protective Caps for Kirschner Wires

	for
392.177	wires Ø 1.0 mm and 1.25 mm
392.178	wires Ø 1.6 mm
392.180	wires Ø 1.8 mm and 2.0 mm



	for
392.179	wires Ø 2.0 mm
392.240	wires Ø 2.5 mm

Forceps

Bone Holding Forceps, self-centering, with speed lock



		Length mm
398.790	Serrated jaw, 9 mm	150
398.800	Serrated jaw, 10 mm	190
398.810	Serrated jaw, 14 mm	240

		Length mm
398.820	Serrated jaw, 18 mm	260
398.830	Serrated jaw, 23 mm	280

Bone Holding Forceps, self-centering, soft lock



	for plates	Length mm
399.081	to 7 mm wide	144
399.091	to 9 mm wide	191
399.121	to 14 mm wide	239

	for plates	Length mm
399.122	to 19 mm wide	258
399.123	to 22 mm wide	277

Plate Holding Forceps with Swivel Foot



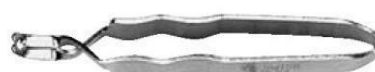
	Size	for
398.811	0	2.7 mm and 3.5 mm plates
398.812	1	3.5 mm plates

	Size	for
398.813	2	4.5 mm plates (narrow and broad)

398.950 Termite Forceps, ratchet lock,
length 90 mm



319.970 Screw Forceps, self-holding, length 85 mm



to take screws from the screw racks

Reduction Forceps with Points, speed lock



3

	Length mm	
399.770	130	
399.790	132	serrated jaw

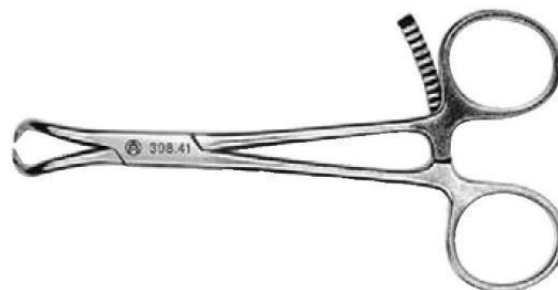
	Length mm
399.780	205

Reduction Forceps with Points, ratchet lock

398.400 Reduction Forceps with Points, narrow,
ratchet lock, length 132 mm



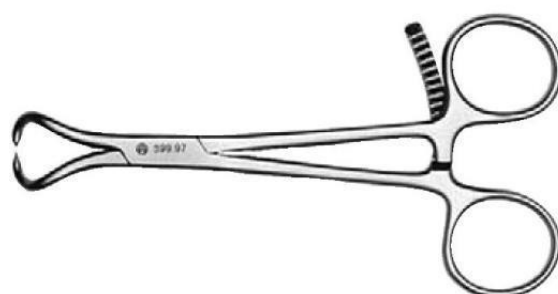
398.410 Reduction Forceps, with Points, wide, ratchet lock, length 132 mm



399.940 Reduction Forceps with Points, ratchet lock, length 160 mm



399.970 Reduction Forceps with Points, ratchet lock, length 130 mm



399.980 Reduction Forceps, large, with Points, ratchet lock, length 200 mm



Reduction Forceps with Points, soft lock

399.071 Reduction Forceps with Points, soft lock, length 126 mm



399.073 Reduction Forceps with Points, narrow, soft lock, length 127 mm



399.074 Reduction Forceps, with Points, wide, soft lock, length 127 mm



399.086 Reduction Forceps with Points, soft lock, length 154 mm



399.084 Reduction Forceps with Points, soft lock, length 161 mm



399.092 Reduction Forceps, large, with Points, soft lock, length 222 mm



3

Reduction Forceps, toothed

399.990 Reduction Forceps, toothed, ratchet lock, length 140 mm



399.082 Reduction Forceps, toothed, soft lock, length 146 mm



399.098 Reduction Forceps, toothed, soft lock, length 192 mm



399.124 Reduction Forceps, toothed, soft lock,
length 250 mm



399.060 Reduction Forceps, toothed, speed lock,
length 170 mm



399.050 Reduction Forceps, toothed, speed lock,
length 240 mm



Bone Spreaders, soft lock



	Blade width mm	Length mm	
399.083	2.5/5	148	small handle
399.097	8	220	medium handle
399.125	12	260	large handle



Hooks

319.390 Sharp Hook, length 155 mm
*for checking reduction and removing
ingrown tissue from screw heads*



398.530 Bone Hook, sharp, large, length 200 mm



Bone Hooks, sharp



	Size	Length mm
398.510	small	230

	Size	Length mm
398.520	medium	230

Retractors

Hohmann Retractors

399.195 Hohmann Retractor 8 mm, round tip



399.197 Hohmann Retractor 8 mm, narrow tip



Bone Levers

399.180 Bone Lever, small, short narrow tip, width 6 mm, length 160 mm



399.190 Bone Lever, small, short narrow tip, width 8 mm, length 160 mm



399.200 Bone Lever, short narrow tip, width 8 mm, length 220 mm



399.210 Bone Lever, short narrow tip, width 18 mm, length 235 mm



399.220 Bone Lever, narrow tip, width 43 mm, length 240 mm



399.230 Bone Lever, narrow tip, width 70 mm, length 240 mm



399.250 Bone Lever, with wide tip, width 22 mm, length 250 mm



399.270 Bone Lever, long narrow tip, width 18 mm, length 235 mm



399.280 Bone Lever, with long, wide tip,
width 24 mm, length 270 mm



399.490 Bone Lever, width 15 mm, length 160 mm



Malleable Bone Levers

399.310 Bone Lever, malleable, width 8 mm,
length 230 mm



399.340 Bone Lever, malleable, width 10 mm,
length 230 mm



Posterial Elevators

399.320 Periosteal Elevator, straight shaft, straight
edge, width 13 mm, length 195/80 mm



399.370 Periosteal Elevator, straight shaft, round
edge, width 14 mm, length 202/80 mm



399.380 Periosteal Elevator, straight shaft, round
edge, width 20 mm, length 202/80 mm



399.330 Periosteal Elevator, curved shaft, straight
edge, width 13 mm, length 187/72 mm



399.350 Periosteal Elevator, curved shaft, round
edge, width 14 mm, length 190/75 mm



399.480 Periosteal Elevator, slightly curved
blade, straight edge, width 3 mm,
length 187/87 mm



399.400 Periosteal Elevator, slightly curved
blade, straight edge, width 6 mm,
length 187/87 mm



399.360 Periosteal Elevator, slightly curved
blade, round edge, width 6 mm,
length 190/90 mm



3



Hammers, Osteotomes, Chisels and Gouges

Hammers



399.500 Hammer 100 g

399.410 Hammer 300 g

399.420 Hammer 500 g

399.430 Hammer 700 g

Osteotomes



	Width mm	Length mm
399.800	2	150
399.810	5	150

	Width mm	Length mm
399.820	10	150

399.540 Chisel Handle



Chisel Blades



	Width mm
399.580	5
399.550	10

	Width mm
399.560	16
399.570	25

Chisel Blades, long



	Width mm
399.585	5
399.555	10

	Width mm
399.565	16
399.575	25

Gouges for Cancellous Bone Graft


	Width mm	
399.610	5	straight
399.620	10	straight
399.630	15	straight

	Width mm	
399.650	5	curved
399.660	10	curved
399.670	15	curved

399.680 Gouge, width 10 mm, length 205/90 mm



for broken screw exposure





-  PO Khas Bhoth, Sialkot - Pakistan
-  +92 324 934 6853
-  hessinstruments@gmail.com
-  www.hessinstruments.com

