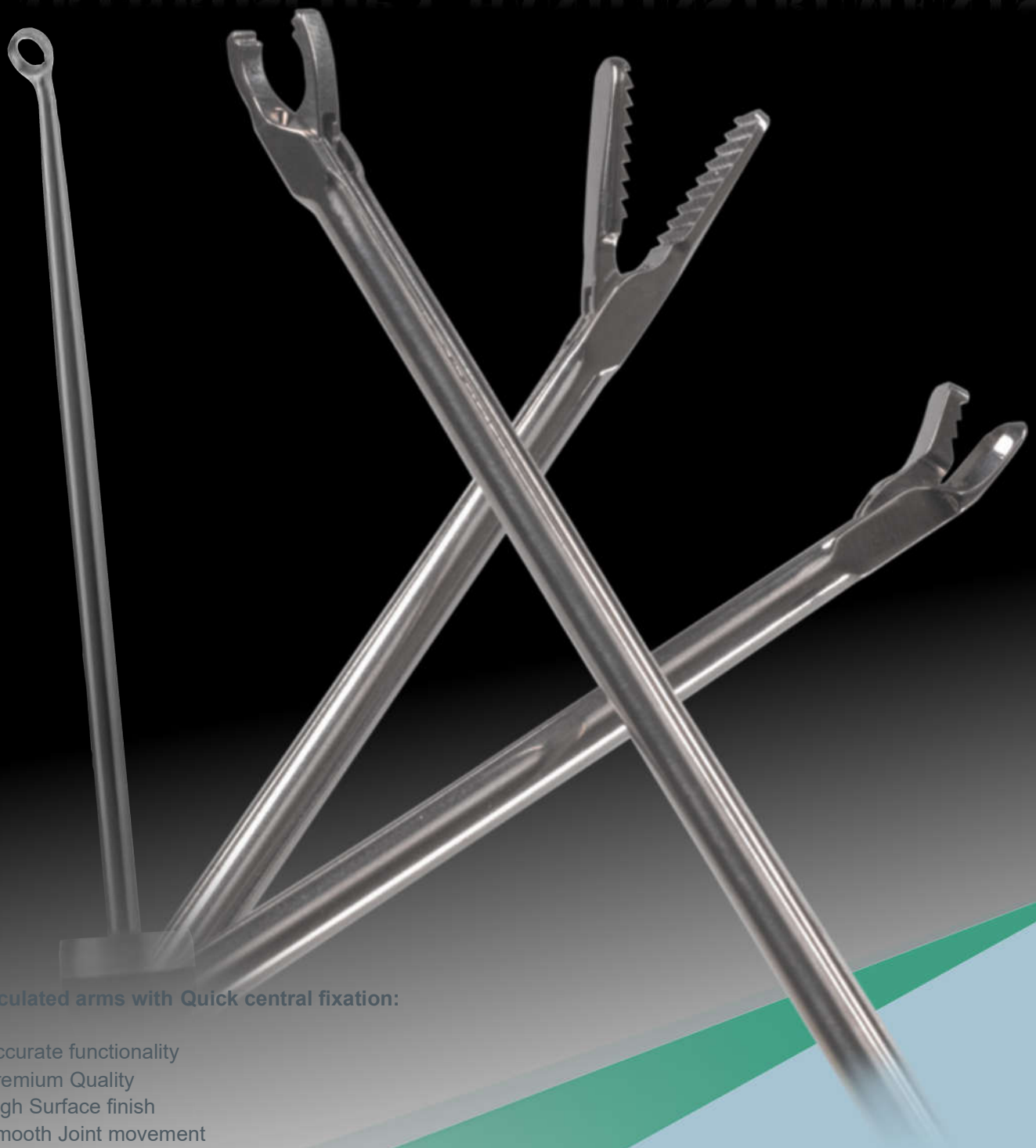
CTORZ®

Precision Hand Instruments

ARTHROSCOPY HAND INSTRUMENTS



Articulated arms with Quick central fixation:

- Accurate functionality
- Premium Quality
- High Surface finish
- Smooth Joint movement
- complete Line of Biters, Tissue Graspers & Hand instruments

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ARTHROSCOPY

PRECISION
HAND INSTRUMENTS

Our precision arthroscopy hand instruments range is used in most advanced instrumentation for arthroscopic and general surgeries. all our instruments are perfectly designed with both standard handle and ergonomically handle for the comfort of surgeon's hand, our instruments are produced by highly skilled professionals and High tech CNC Machines.

Chapter 48 | *Arthroscopy Hand Instruments*

Arthroskopie Handinstrumente
Arthroscopy Hand instruments
Arthroscopie Instruments pour la main
Artroscopia Instrumentos de mano
Artroscopia Strumenti manuali

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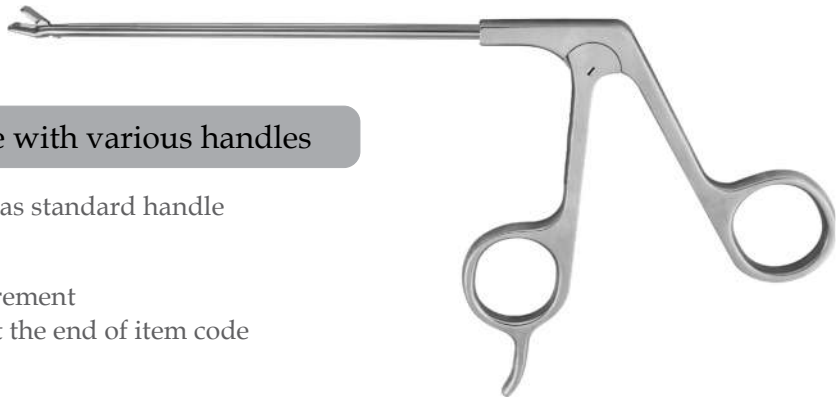
- Graspers
- Meniscus Graspers
- Hand Instruments
- MicroFactor, Rasps, Chisels
- Instruments Holding Arms

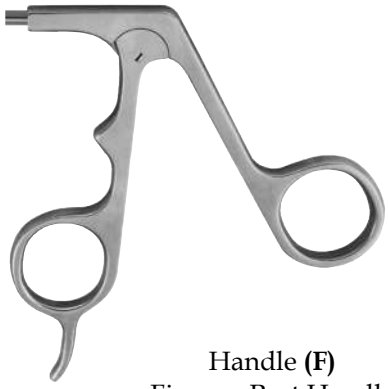
Arthroscopy Punches



Arthroscopy punches are avalible with various handles

- Classic handle (C) is used as standard handle in general practice
- For Specific Handle requirement please add Handle code at the end of item code (e.g CS.48.3200F)

Handle **(C)**
Classic Handle



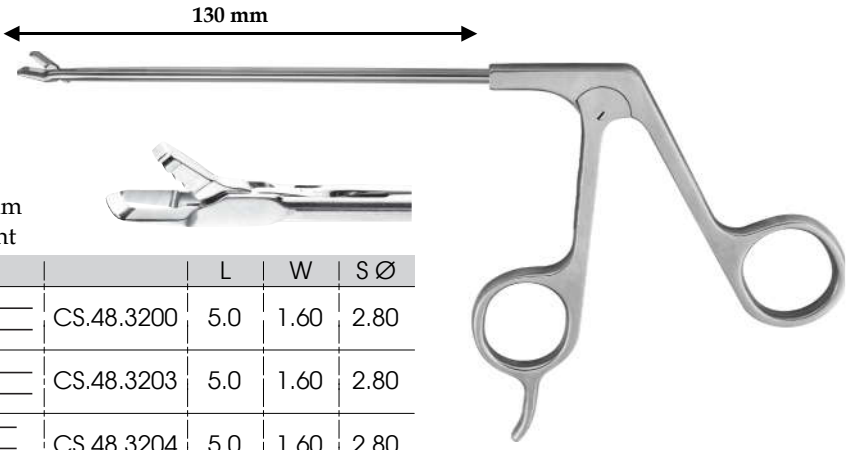
Handle **(F)**
Fingure Rest Handle

Handle **(U)**
US Type Handle

Handle **(L)**
US Type Handle
with Slide Lock

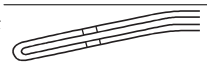
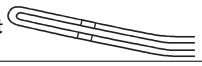
Handle **(E)**
Ergonomic Handle

Handle **(R)**
Rotary Handle

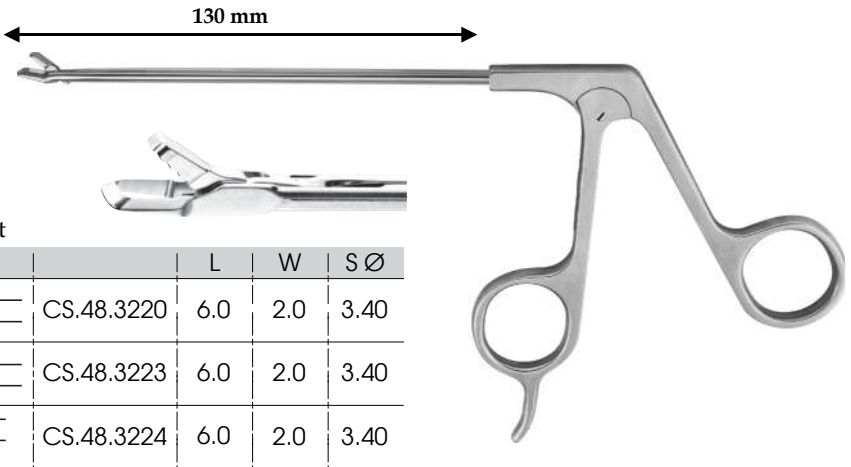


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

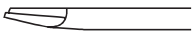
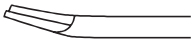
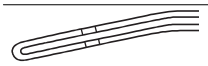
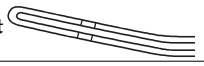
Wide Punch, Slim
Serrated, Straight

			L	W	S Ø
Straight		CS.48.3200	5.0	1.60	2.80
Curved Up 15°		CS.48.3203	5.0	1.60	2.80
Curved Down 15°		CS.48.3204	5.0	1.60	2.80
Curved Left 12°		CS.48.3207	5.0	1.60	2.80
Curved Right 12°		CS.48.3208	5.0	1.60	2.80

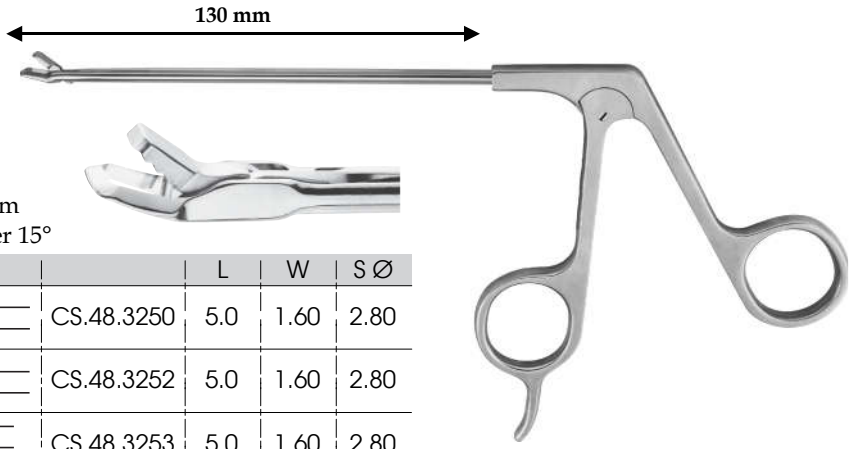
Units : (mm)



Wide Punch
Serrated, Straight

			L	W	S Ø
Straight		CS.48.3220	6.0	2.0	3.40
Curved Up 15°		CS.48.3223	6.0	2.0	3.40
Curved Down 15°		CS.48.3224	6.0	2.0	3.40
Curved Left 12°		CS.48.3227	6.0	2.0	3.40
Curved Right 12°		CS.48.3228	6.0	2.0	3.40

Units : (mm)

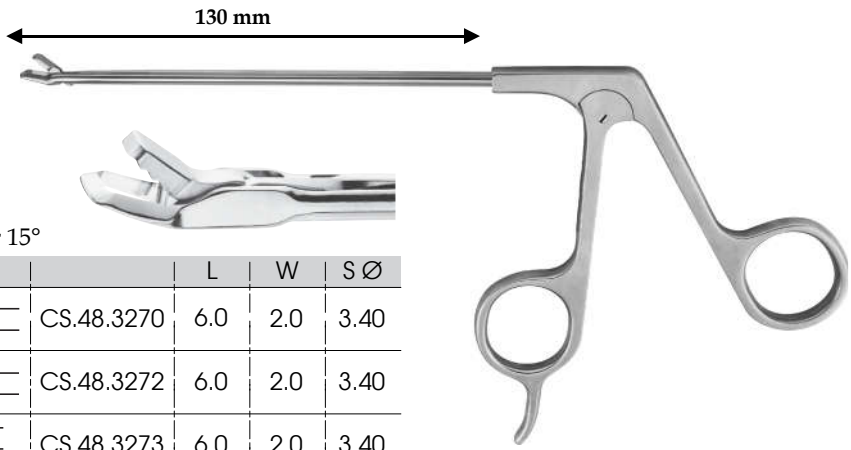


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Wide Punch, Slim
Serrated, Upbiter 15°

		L	W	S Ø
Straight	CS.48.3250	5.0	1.60	2.80
Curved Up 15°	CS.48.3252	5.0	1.60	2.80
Curved Down 15°	CS.48.3253	5.0	1.60	2.80
Curved Left 12°	CS.48.3257	5.0	1.60	2.80
Curved Right 12°	CS.48.3258	5.0	1.60	2.80

Units : (mm)

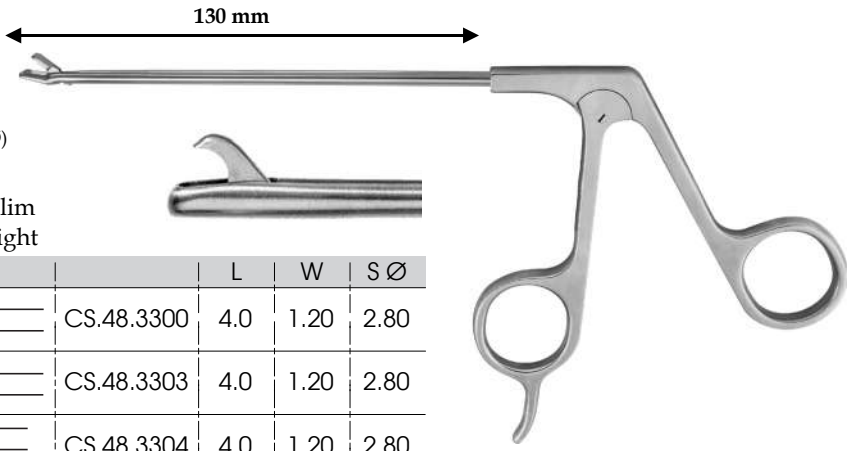


Wide Punch
Serrated, Upbiter 15°

		L	W	S Ø
Straight	CS.48.3270	6.0	2.0	3.40
Curved Up 15°	CS.48.3272	6.0	2.0	3.40
Curved Down 15°	CS.48.3273	6.0	2.0	3.40
Curved Left 12°	CS.48.3277	6.0	2.0	3.40
Curved Right 12°	CS.48.3278	6.0	2.0	3.40

Units : (mm)

Hook punch, blunt nose

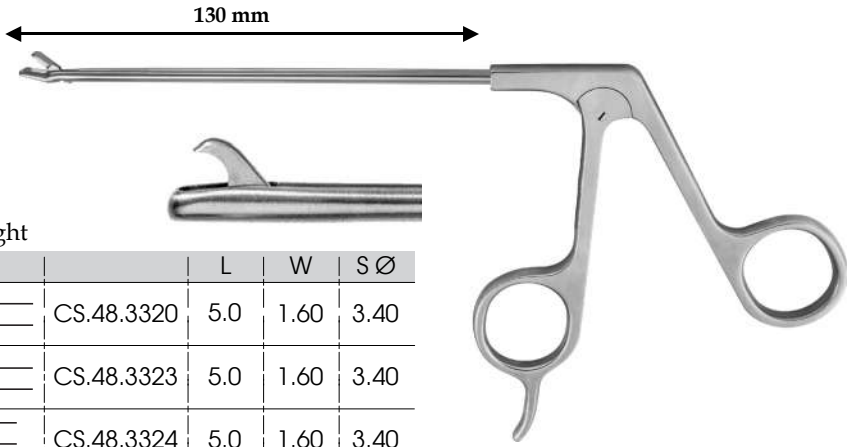


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Hook Punch, Slim
Blunt Tip, Straight

		L	W	S Ø
Straight	CS.48.3300	4.0	1.20	2.80
Curved Up 15°	CS.48.3303	4.0	1.20	2.80
Curved Down 15°	CS.48.3304	4.0	1.20	2.80
Curved Left 12°	CS.48.3307	4.0	1.20	2.80
Curved Right 12°	CS.48.3308	4.0	1.20	2.80

Units : (mm)

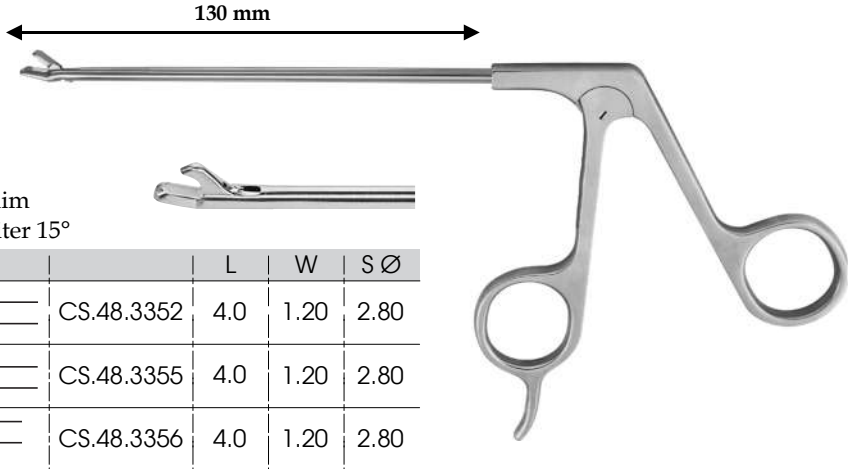


Hook Punch
Blunt Tip, Straight

		L	W	S Ø
Straight	CS.48.3320	5.0	1.60	3.40
Curved Up 15°	CS.48.3323	5.0	1.60	3.40
Curved Down 15°	CS.48.3324	5.0	1.60	3.40
Curved Left 12°	CS.48.3327	5.0	1.60	3.40
Curved Right 12°	CS.48.3328	5.0	1.60	3.40

Units : (mm)

Hook punch, blunt nose

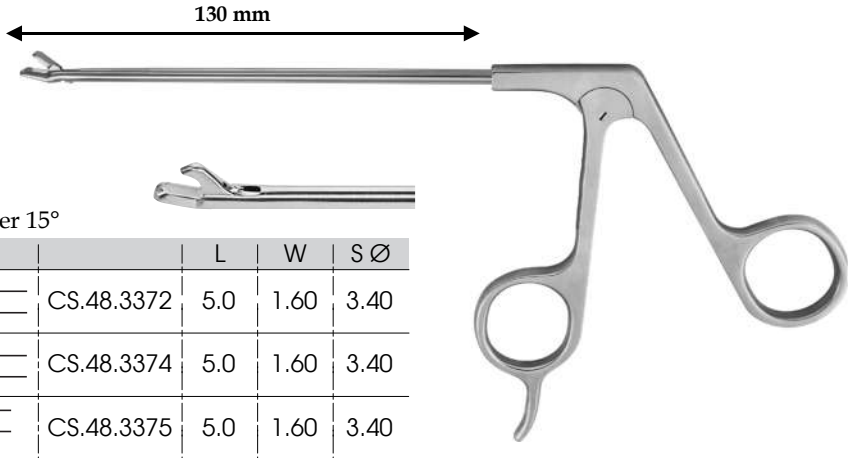


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Hook Punch, Slim
Blunt Tip, Upbiter 15°

		L	W	S Ø
Straight	CS.48.3352	4.0	1.20	2.80
Curved Up 15°	CS.48.3355	4.0	1.20	2.80
Curved Down 15°	CS.48.3356	4.0	1.20	2.80
Curved Left 12°	CS.48.3359	4.0	1.20	2.80
Curved Right 12°	CS.48.3360	4.0	1.20	2.80

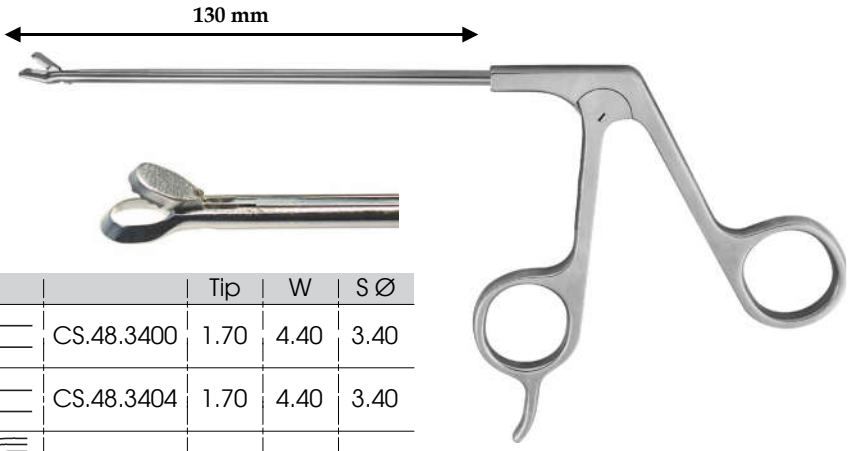
Units : (mm)



Hook Punch
Blunt Tip, Upbiter 15°

		L	W	S Ø
Straight	CS.48.3372	5.0	1.60	3.40
Curved Up 15°	CS.48.3374	5.0	1.60	3.40
Curved Down 15°	CS.48.3375	5.0	1.60	3.40
Curved Left 12°	CS.48.3378	5.0	1.60	3.40
Curved Right 12°	CS.48.3379	5.0	1.60	3.40

Units : (mm)

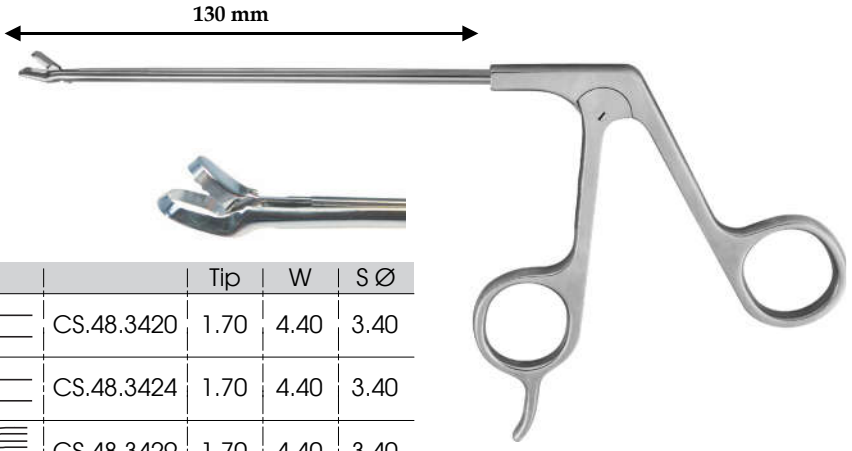


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Oval Punch
Straight

		Tip	W	S Ø
Straight	CS.48.3400	1.70	4.40	3.40
Curved Up 15°	CS.48.3404	1.70	4.40	3.40
Curved Left 12°	CS.48.3409	1.70	4.40	3.40
Curved Right 12°	CS.48.3410	1.70	4.40	3.40

Units : (mm)

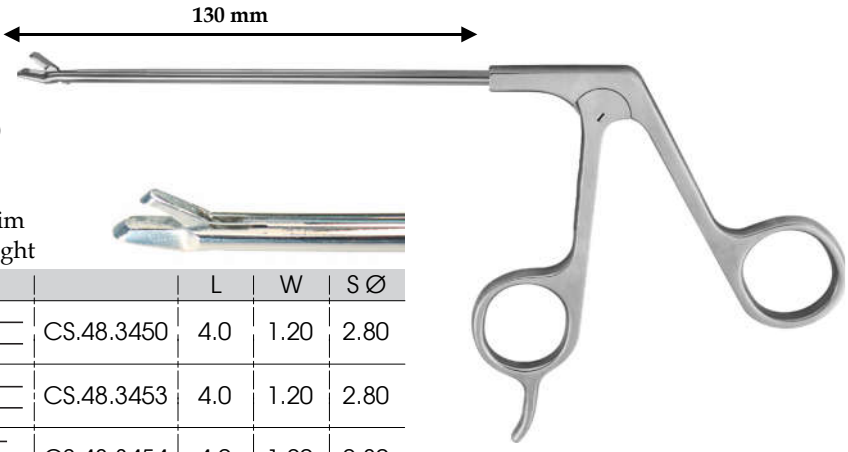


Oval Punch
Upbiter, 15°

		Tip	W	S Ø
Straight	CS.48.3420	1.70	4.40	3.40
Curved Up 15°	CS.48.3424	1.70	4.40	3.40
Curved Left 12°	CS.48.3429	1.70	4.40	3.40
Curved Right 12°	CS.48.3430	1.70	4.40	3.40

Units : (mm)

Hook punch, scoope nose

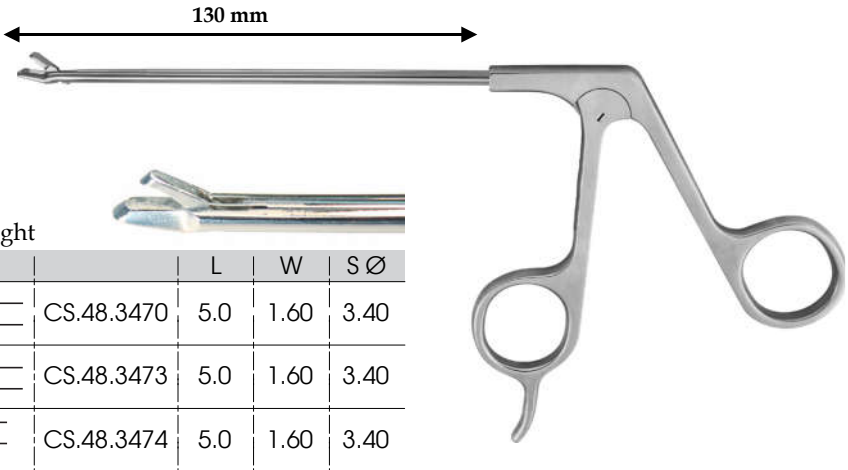


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Basket Punch, Slim Scoope Tip, Straight

		L	W	S Ø
Straight	CS.48.3450	4.0	1.20	2.80
Curved Up 15°	CS.48.3453	4.0	1.20	2.80
Curved Down 15°	CS.48.3454	4.0	1.20	2.80
Curved Left 12°	CS.48.3458	4.0	1.20	2.80
Curved Right 12°	CS.48.3459	4.0	1.20	2.80

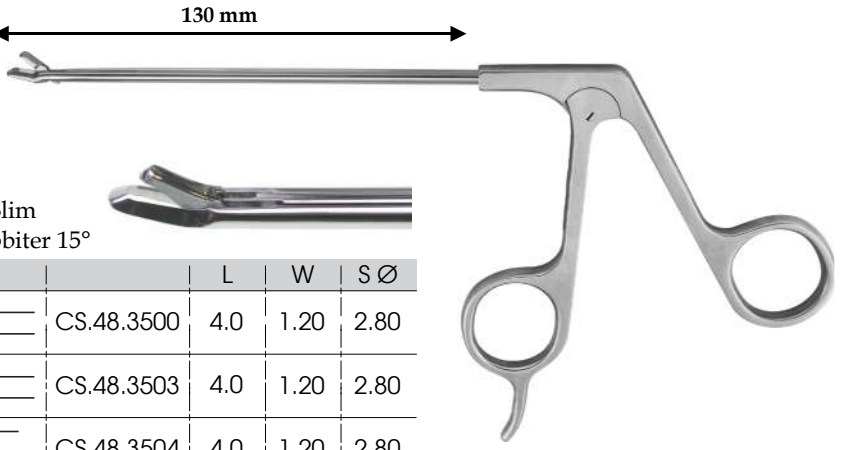
Units : (mm)



Basket Punch Scoope Tip, Straight

		L	W	S Ø
Straight	CS.48.3470	5.0	1.60	3.40
Curved Up 15°	CS.48.3473	5.0	1.60	3.40
Curved Down 15°	CS.48.3474	5.0	1.60	3.40
Curved Left 12°	CS.48.3478	5.0	1.60	3.40
Curved Right 12°	CS.48.3479	5.0	1.60	3.40

Units : (mm)

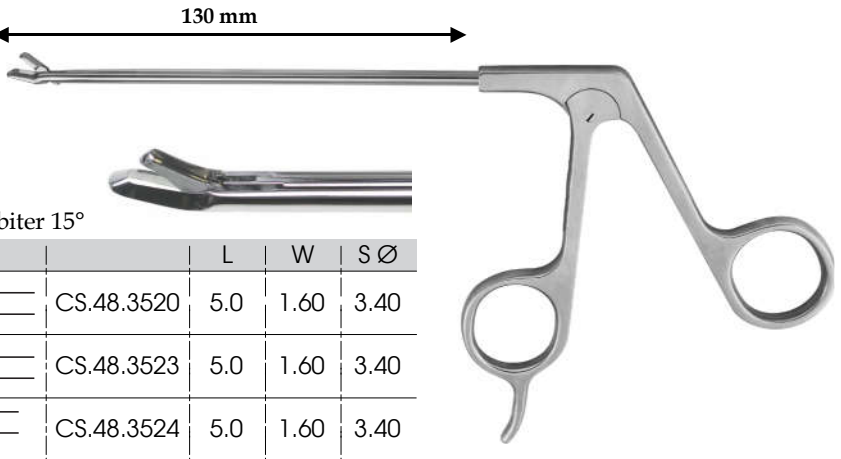


Cutting Length (L)
Cutting Width (W)
Shaft Diameter (S Ø)

Basket Punch, Slim
Scoope Tip, Upbiter 15°

		L	W	S Ø
Straight	CS.48.3500	4.0	1.20	2.80
Curved Up 15°	CS.48.3503	4.0	1.20	2.80
Curved Down 15°	CS.48.3504	4.0	1.20	2.80
Curved Left 12°	CS.48.3507	4.0	1.20	2.80
Curved Right 12°	CS.48.3508	4.0	1.20	2.80

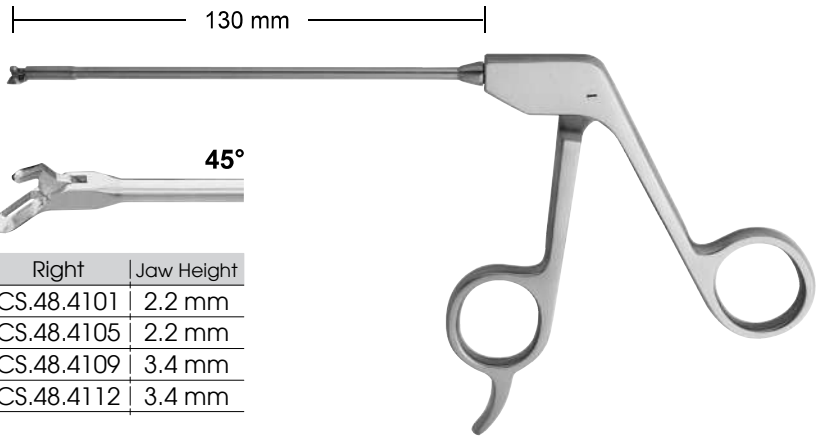
Units : (mm)



Basket Punch
Scoope Tip, Upbiter 15°

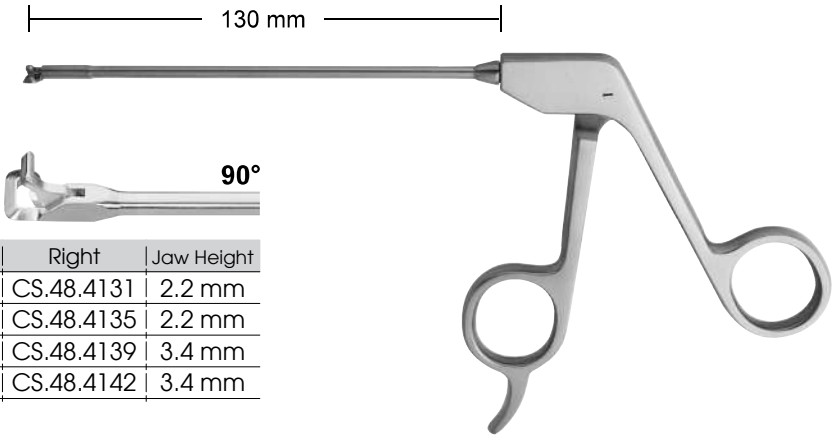
		L	W	S Ø
Straight	CS.48.3520	5.0	1.60	3.40
Curved Up 15°	CS.48.3523	5.0	1.60	3.40
Curved Down 15°	CS.48.3524	5.0	1.60	3.40
Curved Left 12°	CS.48.3527	5.0	1.60	3.40
Curved Right 12°	CS.48.3528	5.0	1.60	3.40

Units : (mm)



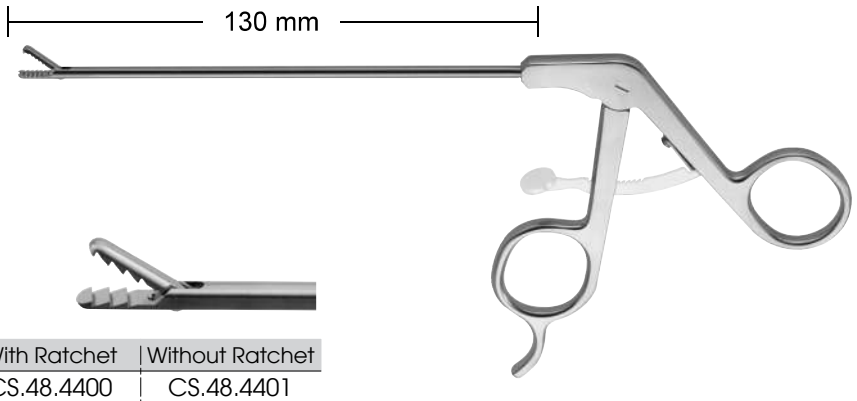
Biopsy Punch
Side Biter Ø3.5 mm
Working Length 130mm

45°	Left	Right	Jaw Height
Scoop	CS.48.4100	CS.48.4101	2.2 mm
Blunt	CS.48.4104	CS.48.4105	2.2 mm
Scoop	CS.48.4108	CS.48.4109	3.4 mm
Blunt	CS.48.4111	CS.48.4112	3.4 mm



Biopsy Punch
Side Biter Ø3.5 mm
Working Length 130mm

90°	Left	Right	Jaw Height
Scoop	CS.48.4130	CS.48.4131	2.2 mm
Blunt	CS.48.4134	CS.48.4135	2.2 mm
Scoop	CS.48.4138	CS.48.4139	3.4 mm
Blunt	CS.48.4141	CS.48.4142	3.4 mm



Grasping Forceps
Working Length 130mm

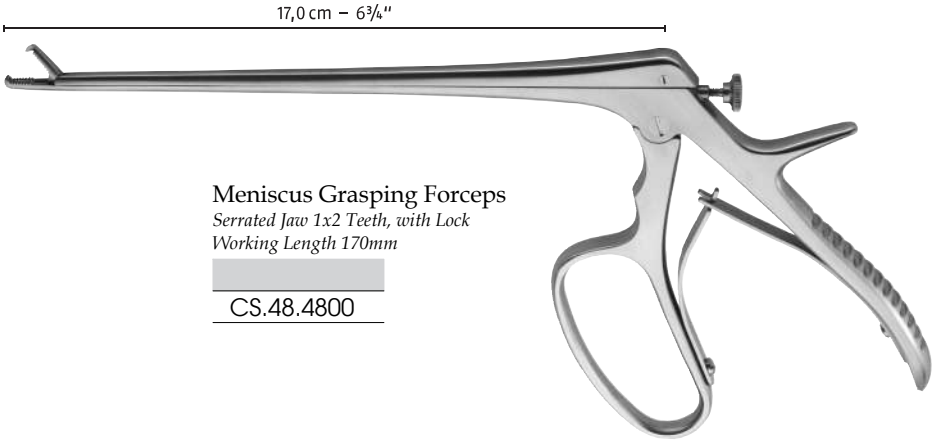
	With Ratchet	Without Ratchet
Ø 2.7 mm	CS.48.4400	CS.48.4401
Ø 3.5 mm	CS.48.4402	CS.48.4403

Grasping Forceps
1x2 Teeth, Working Length 130mm

	With Ratchet	Without Ratchet
Ø 2.7 mm	CS.48.4410	CS.48.4411
Ø 3.5 mm	CS.48.4412	CS.48.4413

Biopsy and Grasping Forceps
Working Length 130mm

	With Ratchet	Without Ratchet
Ø 2.7 mm	CS.48.4420	CS.48.4421
Ø 3.5 mm	CS.48.4422	CS.48.4423



Meniscus Grasping Forceps
Serrated Jaw 1x2 Teeth, with Lock
Working Length 170mm

CS.48.4800

Left
CS.48.4853

Straight
CS.48.4852

Right
CS.48.4854

Meniscus Grasping Forceps
Serrated Jaw 1x2 Teeth, with Ratchet
Working Length 100mm

150 mm / 6"

Adaptable Handle
For Bits
(Total Length 125mm)

CS.48.5125

Meniscus Hook Probe
Graduated Bit
Bit Length 225 mm

2.5 mm	3.5 mm	5.0 mm	Pionted
CS.48.5100	CS.48.5101	CS.48.5102	CS.48.5103

Smillie Meniscotome Bit
Bit Length 225 mm

3.0 mm	5.0 mm	7.0 mm
CS.48.5104	CS.48.5105	CS.48.5106

Bayonet Knife
(Bit Length 225mm)

CS.48.5120

Ring Curette
(30°Bit Length 225mm)

Ø3.0 mm
CS.48.5115

Ring Curette
(15° Bit Length 225mm)

Ø5.0 mm
CS.48.5116

Ring Curette
(30° Bit Length 225mm)

Ø7.0 mm
CS.48.5117

Scalpel Knife
(Bit Length 225mm)

CS.48.5122

Adaptable Handle
For Bits
(Total Length 125mm)
CS.48.5125

Spoon, curved
(30° Bit Length 225mm)
Ø3.0 mm
CS.48.5150

Hook Knife
(Bit Length 225mm)
Ø3.0 mm
CS.48.5152

Knife, retrograde
(45°, Bit Length 225mm)
Ø5.0 mm
CS.48.5154

Banana Knife, Smooth
(Bit Length 225mm)
CS.48.5156

Banana Knife, Serrated
(Bit Length 225mm)
CS.48.5158

Sickle Knife
(Bit Length 225mm)
CS.48.5160

Rosette Knife
toothed, straight
(Bit Length 225mm)
CS.48.5162

Cartilage file,
fine
(Bit Length 225mm)
Ø5.0 mm
CS.48.5164

Cartilage file,
rough
(Bit Length 225mm)
CS.48.5166

Arthroscopy Instrument
With fixed Handle

240 mm / 9½"

Meniscus Hook Probe
Graduated Bit

	3.0 mm	5.0 mm	Pionted
	CS.48.5200	CS.48.5201	CS.48.5202

Smillie Meniscotome Bit

	3.0 mm	5.0 mm	7.0 mm
	CS.48.5206	CS.48.5207	CS.48.5208

Ring Curette *(30°)* | Ring Curette *(15°)* | Ring Curette *(30°)*

Ø3.0 mm	Ø5.0 mm	Ø7.0 mm
CS.48.5210	CS.48.5212	CS.48.5214

Scalpel Knife | Bayonet Knife

CS.48.5216	CS.48.5217

Arthroscopy Instrument
With fixed Handle

240 mm / 9½"

Spoon, curved *(30°)*

3.0 mm

CS.48.5230

Hook Knife

3.0 mm

CS.48.5232

Knife, retrograde *(45°)*

Ø5.0 mm

CS.48.5234

Banana Knife,
Smooth

CS.48.5236

Banana Knife,
Serrated

CS.48.5238

Sickle Knife

CS.48.5240

Rosette Knife
toothed, straight

CS.48.5242

Cartilage file,
fine

Ø5.0 mm

CS.48.5244

Cartilage file,
rough

CS.48.5246

Arthroscopy Instrument
With fixed Handle

240 mm / 9½"

Meniscus Hook Probe

	4.0 mm	Pionted
	CS.48.5270	CS.48.5271

Smillie Meniscotome

	3.0 mm	5.0 mm	7.0 mm
	CS.48.5272	CS.48.5273	CS.48.5274

Ring Curette *(30°)*

Ø3.0 mm
CS.48.5275

Spoon, curved *(30°)*

3.0 mm
CS.48.5276

Hook Knife

3.0 mm
CS.48.5277

Scalpel Knife

CS.48.5278

Banana Knife,
Smooth

CS.48.5279

Banana Knife,
Serrated

CS.48.5280

Sickle Knife

CS.48.5281

Rosette Knife
toothed, straight

CS.48.5282

Knife, retrograde *(45°)*

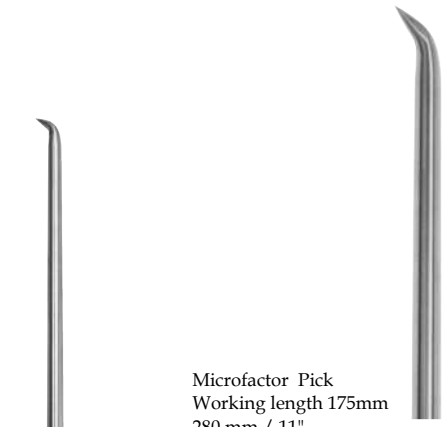
Ø5.0 mm
CS.48.5283

Cartilage file,
fine

Ø5.0 mm
CS.48.5284

Cartilage file,
rough

CS.48.5285



Microfactor Pick
Working length 175mm
280 mm / 11"

	4.0 mm Tip
CS.48.5500	Straight
CS.48.5501	Angled 30°
CS.48.5502	Angled 60°
CS.48.5503	Angled 90°

Microfactor Rasp
Working Length 120 mm
220 mm / 8¾"

Straight	Curved
CS.48.5505	CS.48.5506

Microfactor Chisel
Working Length 145 mm
250 mm / 9¾"

Angled
CS.48.5505

Micro perforator
15° angled,
Head Dia 12 mm
Working length 140mm

CS.48.5512
280 cm / 11"

Mechanical Retractor Arm System

For Instruments and Endoscope Holder

Mechanical Arm System

With Instrument Holder for Minimally Invasive Surgery, Open Surgery, Neuro Surgery, Mountable to various OT-Bars

	Consisting of:
CS.15.5300	Complete Set
CS.15.5200	Articulated Arm, 400mm
CS.15.5215	Column (L-Shape)
CS.15.5245	Rail Clamping Base
CS.15.5260	Instruments Holder
CS.15.5226	Stop Lid

Mechanical Arm System

With Instrument Holder for Minimally Invasive Surgery, Open Surgery, Neuro Surgery, Mountable to various OT-Bars

	Consisting of:
CS.15.5315	Complete Set
CS.15.5200	Articulated Arm, 400mm
CS.15.5215	Column (L-Shape)
CS.15.5245	Rail Clamping Base
CS.15.5266	Optic Holder
CS.15.5226	Stop Lid

Mechanical Retractor Arm System

For Endoscope Holder

Mechanical Arm System

With Endoscope Holder for Minimally Invasive Surgery, Mountable to various OT-Bars

	Consisting of:
CS.15.5320	Complete Set
CS.15.5200	Articulated Arm, 400mm
CS.15.5212	Column (Straight 400mm)
CS.15.5245	Rail Clamping Base
CS.15.5266	Optic Holder
CS.15.5226	Stop Lid

Mechanical Arm System

With Endoscope Holder for Minimally Invasive Surgery, Mountable to various OT-Bars

	Consisting of:
CS.15.5325	Complete Set
CS.15.5200	Articulated Arm, 400mm
CS.15.5210	Column (Straight 300mm)
CS.15.5240	Universal Base Clamp
CS.15.5266	Optic Holder
CS.15.5226	Stop Lid

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