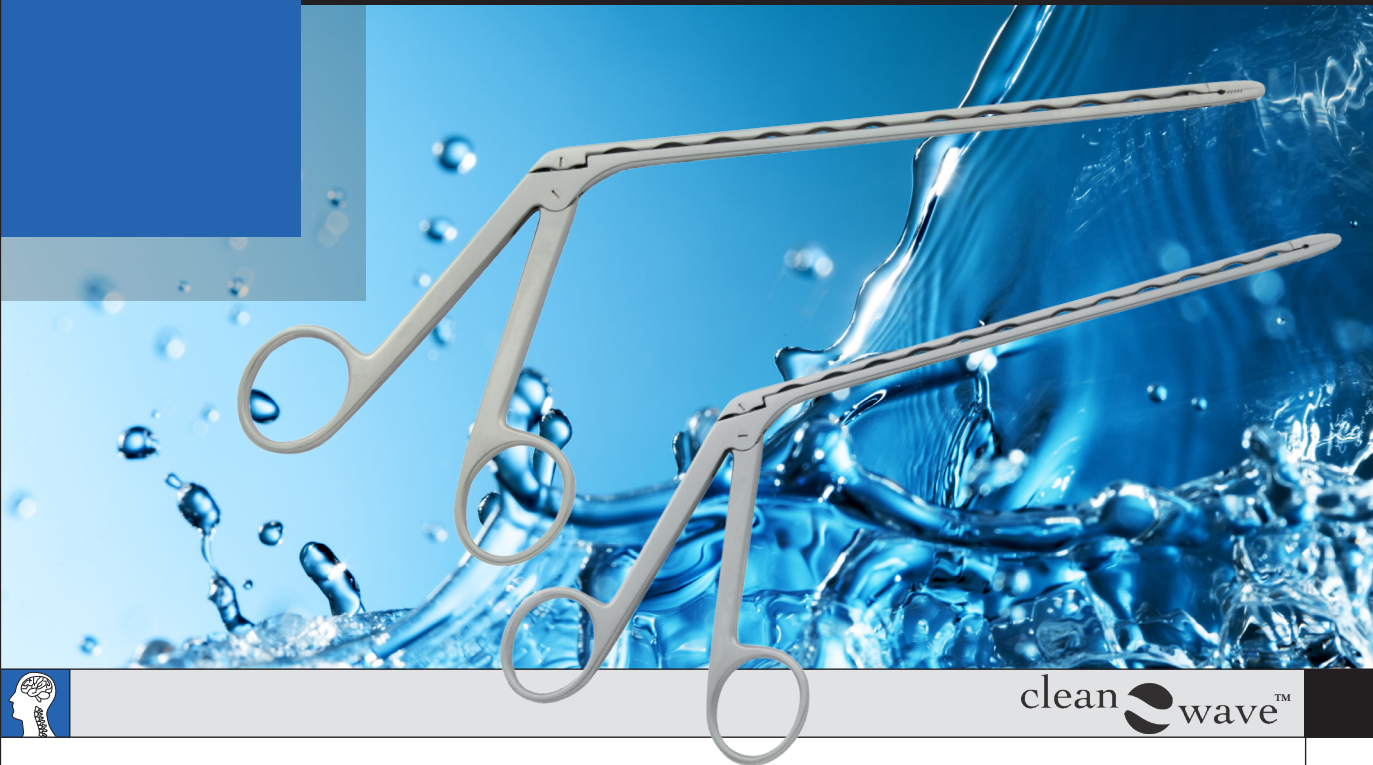


OPEN SURGERY



clean  wave™

## CleanWave Rongeurs

### PRECISE & CONSISTENT SURGERY PROCEDURES

Reduction of friction through wave-like form

Fatigue-free surgery – smooth sliding,  
light-weight, breathable design

### BEFORE & AFTER SURGERY NEITHER ASSEMBLY NOR DISASSEMBLY

One-piece model avoids the loss or mix up  
of instrument pieces during cleaning and sterilization

### CLEANING VALIDATION: CERTIFIED WITH “EXCELLENT”

Simple, safe & time saving procedure

Easier identification of impurities and stains

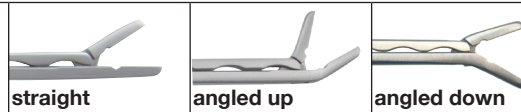
# CleanWave Rongeurs



The CLEANWAVE Laminectomy rongeurs are made of German stainless steel and available with three different tips (straight, angled up or angled down). Ceramic Coating ("CC") is available on request. Rongeurs with 2-6 mm bite width have a bone ejector incorporated, only the punches with 1 mm bite width come without ejector.



The wavelike shape is not only advantageous during the cleaning process; it also leads to a clear reduction of friction of the sliding parts.



## CUSHING

Length of shaft			Bite width		
2 x 10 mm	18.0 cm	7.2"	240-552-02-CW	240-602-02-CW	240-652-02-CW
	20.0 cm	8.0"	240-553-02-CW	*	*
	23.0 cm	9.2"	240-554-02-CW	240-604-02-CW	240-654-02-CW

## LOVE-GRÜNWALD

Length of shaft			Bite width		
3 x 10 mm	18.0 cm	7.2"	240-552-03-CW	240-602-03-CW	240-652-03-CW
	20.0 cm	8"	240-553-03-CW	*	*
	23.0 cm	9.2"	240-554-03-CW	240-604-03-CW	240-654-03-CW

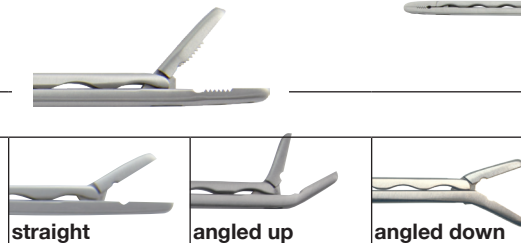
## SPURLING

Length of shaft			Bite width		
4 x 10 mm	18.0 cm	7.2"	240-552-04-CW	240-602-04-CW	240-652-04-CW
	20.0 cm	8.0"	240-553-04-CW	*	*
	23.0 cm	9.2"	240-554-04-CW	240-604-04-CW	240-654-04-CW

\* Additional models with a shaft length of 13, 15, 20 and 28 cm are available on request.



## CASPAR



Length of shaft			Bite width		
2 x 12 mm	18.5 cm	7.4"	240-511-02-CW	240-515-02-CW	240-518-02-CW
3 x 12 mm	18.5 cm	7.4"	240-511-03-CW	240-515-03-CW	240-518-03-CW
4 x 14 mm	18.5 cm	7.4"	240-511-04-CW	240-515-04-CW	240-518-04-CW
5 x 14 mm	18.5 cm	7.4"	240-511-05-CW	*	*
6 x 16 mm	18.5 cm	7.4"	240-511-06-CW	*	*

CASPAR serrated

CLEANWAVE RONGEURS with CERAMIC COATING

Ceramic coating elevates the hardness of the edges and adds to the strength of the punch for an even smoother action. The matte black finish is anti-reflective (reduced glare).

If you want to order ceramic coated rongeurs, please inquire.



**TONTARRA** Medizintechnik GmbH  
 Daimlerstr. 15 · 78573 Wurmlingen/Germany  
 Tel: +49(0) 74 61/9 65 76 -0) · info@tontarra.de  
[www.tontarra.de](http://www.tontarra.de)

Authorized distributor for