



Kerrision-Punches and Rongeurs from our BLACER-Line Range – are ceramic coated, dismountable Instruments with the following features and benefits:

- Take apart ability through one button release.
- Rongeur stays together after disassembly – no lose or lost parts.
- Easy cleaning, disinfection and sterilisation of the whole instrument.
- Easy bone and residue removal between the sliding shaft parts.
- Increased life time of the cutting edges.
- Special cutting edge geometrie for high performing cutting action.
- Rongeur with small footplate for easy access to narrow bone gaps

Attached are pictures from Kerrision-Rongeurs , which are **not** dismountable. These cannot be cleaned, they therefore show conglomeration of dirt or like shown in right picture conglomeration of bone material.



The pictures shows the **limits** of cleaning and sterilization processes and the **risk** of infections for the next patient on the use of standard Kerrision Rongeurs.

Other coating colours on request

S02

baholzer Endoskopie-Systeme
Neckartal 100
78628 Rottweil
Germany



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze aufwärts schneidend,
Ferris-Smith-Kerrison Laminectomy Punch up cutting

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|------------|------------|------------|------------|------------|-----------|
| 40° | 1 mm | 24-3300-00 | 24-3306-00 | 24-3312-00 | 24-3318-00 | 24-3324-00 | * |
| 40° | 2 mm | 24-3301-00 | 24-3307-00 | 24-3313-00 | 24-3319-00 | 24-3325-00 | * |
| 40° | 3 mm | 24-3302-00 | 24-3308-00 | 24-3314-00 | 24-3320-00 | 24-3326-00 | * |
| 40° | 4 mm | 24-3303-00 | 24-3309-00 | 24-3315-00 | 24-3321-00 | 24-3327-00 | * |
| 40° | 5 mm | 24-3304-00 | 24-3310-00 | 24-3316-00 | 24-3322-00 | 24-3328-00 | * |
| 40° | 6 mm | 24-3305-00 | 24-3311-00 | 24-3317-00 | 24-3323-00 | 24-3329-00 | * |

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|------------|------------|------------|------------|------------|------------|
| 90° | 1 mm | 24-3350-00 | 24-3356-00 | 24-3362-00 | 24-3368-00 | 24-3374-00 | 24-3380-00 |
| 90° | 2 mm | 24-3351-00 | 24-3357-00 | 24-3363-00 | 24-3369-00 | 24-3375-00 | 24-3381-00 |
| 90° | 3 mm | 24-3352-00 | 24-3358-00 | 24-3364-00 | 24-3370-00 | 24-3376-00 | 24-3381-00 |
| 90° | 4 mm | 24-3353-00 | 24-3359-00 | 24-3365-00 | 24-3371-00 | 24-3377-00 | 24-3383-00 |
| 90° | 5 mm | 24-3354-00 | 24-3360-00 | 24-3366-00 | 24-3372-00 | 24-3378-00 | 24-3384-00 |
| 90° | 6 mm | 24-3355-00 | 24-3361-00 | 24-3367-00 | 24-3373-00 | 24-3379-00 | 24-3385-00 |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – Griff goldfarbig
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – front handle gold colored*

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze nach unten schneidend,
Ferris-Smith-Kerrison Laminectomy Punch downbite

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|------------|------------|------------|-----------|-----------|-----------|
| 40° | 1 mm | 24-3401-00 | 24-3407-00 | 24-3413-00 | * | * | * |
| 40° | 2 mm | 24-3402-00 | 24-3408-00 | 24-3414-00 | * | * | * |
| 40° | 3 mm | 24-3403-00 | 24-3409-00 | 24-3415-00 | * | * | * |
| 40° | 4 mm | 24-3404-00 | 24-3410-00 | 24-3416-00 | * | * | * |
| 40° | 5 mm | 24-3405-00 | 24-3411-00 | 24-3417-00 | * | * | * |
| 40° | 6 mm | 24-3406-00 | 24-3412-00 | 24-3418-00 | * | * | * |

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|------------|------------|------------|-----------|-----------|-----------|
| 90° | 1 mm | 24-3451-00 | 24-3457-00 | 24-3463-00 | * | * | * |
| 90° | 2 mm | 24-3452-00 | 24-3458-00 | 24-3464-00 | * | * | * |
| 90° | 3 mm | 24-3453-00 | 24-3459-00 | 24-3465-00 | * | * | * |
| 90° | 4 mm | 24-3454-00 | 24-3460-00 | 24-3466-00 | * | * | * |
| 90° | 5 mm | 24-3455-00 | 24-3461-00 | 24-3467-00 | * | * | * |
| 90° | 6 mm | 24-3456-00 | 24-3462-00 | 24-3468-00 | * | * | * |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – **Griff goldfarbig**
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – front handle gold colored*

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze aufgebogen,
Ferris-Smith-Kerrison Laminectomy Punch curved

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|----------|------------|----------|-----------|-----------|-----------|
| 40° | 1 mm | * | 24-3471-00 | * | * | * | * |
| 40° | 2 mm | * | 24-3472-00 | * | * | * | * |
| 40° | 3 mm | * | 24-3473-00 | * | * | * | * |
| 40° | 4 mm | * | 24-3474-00 | * | * | * | * |
| 40° | 5 mm | * | 24-3475-00 | * | * | * | * |
| 40° | 6 mm | * | 24-3476-00 | * | * | * | * |

| Maul/ jaw | | 18 cm 7" | 20 cm 8" | 23 cm 9" | 25 cm 10" | 28 cm 11" | 30 cm 12" |
|-----------|------|----------|----------|----------|-----------|-----------|-----------|
| 90° | 1 mm | * | * | * | * | * | * |
| 90° | 2 mm | * | * | * | * | * | * |
| 90° | 3 mm | * | * | * | * | * | * |
| 90° | 4 mm | * | * | * | * | * | * |
| 90° | 5 mm | * | * | * | * | * | * |
| 90° | 6 mm | * | * | * | * | * | * |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – **Griff goldfarbig**
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – **front handle gold colored***

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze bajonett

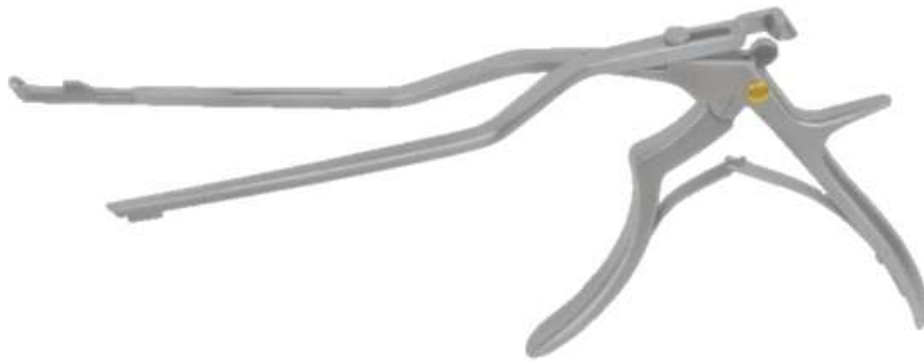
Ferris-Smith-Kerrison Laminectomy Punch bayonet-shaped

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|------------|------------|----------|--|--|--|
| 40° | 1 mm | 24-3501-00 | 24-3507-00 | * | | | |
| 40° | 2 mm | 24-3502-00 | 24-3508-00 | * | | | |
| 40° | 3 mm | 24-3503-00 | 24-3509-00 | * | | | |
| 40° | 4 mm | 24-3504-00 | 24-3510-00 | * | | | |
| 40° | 5 mm | 24-3505-00 | 24-3511-00 | * | | | |
| 40° | 6 mm | 24-3506-00 | 24-3512-00 | * | | | |

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|------------|----------|----------|--|--|--|
| 90° | 1 mm | 24-3521-00 | * | * | | | |
| 90° | 2 mm | 24-3522-00 | * | * | | | |
| 90° | 3 mm | 24-3523-00 | * | * | | | |
| 90° | 4 mm | 24-3524-00 | * | * | | | |
| 90° | 5 mm | 24-3525-00 | * | * | | | |
| 90° | 6 mm | 24-3526-00 | * | * | | | |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – **Griff goldfarbig**
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – **front handle gold colored***

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze bajonett links

Ferris-Smith-Kerrison Laminectomy Punch bayonet-shaped left

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|----------|------------|----------|--|--|--|
| 40° | 1 mm | * | 24-3547-00 | * | | | |
| 40° | 2 mm | * | 24-3548-00 | * | | | |
| 40° | 3 mm | * | 24-3549-00 | * | | | |
| 40° | 4 mm | * | 24-3550-00 | * | | | |
| 40° | 5 mm | * | 24-3551-00 | * | | | |
| 40° | 6 mm | * | 24-3552-00 | * | | | |

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|----------|------------|----------|--|--|--|
| 90° | 1 mm | * | 24-3567-00 | * | | | |
| 90° | 2 mm | * | 24-3568-00 | * | | | |
| 90° | 3 mm | * | 24-3569-00 | * | | | |
| 90° | 4 mm | * | 24-3570-00 | * | | | |
| 90° | 5 mm | * | 24-3571-00 | * | | | |
| 90° | 6 mm | * | 24-3572-00 | * | | | |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – **Griff goldfarbig**
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – front handle gold colored*

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar mit Auswerfer
- *Black Ceramic Coating*
- *detachable with ejector*

Ferris-Smith-Kerrison Laminektomie Stanze bajonett recht

Ferris-Smith-Kerrison Laminectomy Punch bayonet-shaped righth

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|----------|------------|----------|--|--|--|
| 40° | 1 mm | * | 24-3581-00 | * | | | |
| 40° | 2 mm | * | 24-3582-00 | * | | | |
| 40° | 3 mm | * | 24-3583-00 | * | | | |
| 40° | 4 mm | * | 24-3584-00 | * | | | |
| 40° | 5 mm | * | 24-3585-00 | * | | | |
| 40° | 6 mm | * | 24-3586-00 | * | | | |

| Maul/ jaw | | 11 cm 4" | 15 cm 6" | 18 cm 7" | | | |
|-----------|------|----------|------------|----------|--|--|--|
| 90° | 1 mm | * | 24-3591-00 | * | | | |
| 90° | 2 mm | * | 24-3592-00 | * | | | |
| 90° | 3 mm | * | 24-3593-00 | * | | | |
| 90° | 4 mm | * | 24-3594-00 | * | | | |
| 90° | 5 mm | * | 24-3595-00 | * | | | |
| 90° | 6 mm | * | 24-3596-00 | * | | | |

- Stanze auch mit dünner Fußplatte verfügbar – Artikel-Nummer +**DF** z.B. 24-3300-00**DF** – **Griff goldfarbig**
- *Punch also available with thin footplate – Code-Number +**DF** i.e. 24-3300-00**DF** – front handle gold colored*

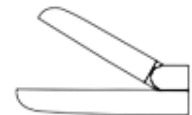
* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar
- *Black Ceramic Coating*
- *detachable*

Caspar Laminektomie Rongeur
Caspar Laminectomy Rongeur

| Maul/ jaw | 15 cm 6" | 18 cm 7" | 20 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3602-00 | 24-3612-00 | 24-3622-00 | | |
| 3 mm | 24-3603-00 | 24-3613-00 | 24-3623-00 | | |
| 4 mm | 24-3604-00 | 24-3614-00 | 24-3624-00 | | |
| 5 mm | 24-3605-00 | 24-3615-00 | 24-3625-00 | | |



gerade /
straight

| Maul/ jaw | 15 cm 6" | 18 cm 7" | 20 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3632-00 | 24-3642-00 | 24-3652-00 | | |
| 3 mm | 24-3633-00 | 24-3643-00 | 24-3653-00 | | |
| 4 mm | 24-3634-00 | 24-3644-00 | 24-3654-00 | | |
| 5 mm | 24-3635-00 | 24-3645-00 | 24-3655-00 | | |



aufgewinkelt /
up-angled

| Maul/ jaw | 15 cm 6" | 18 cm 7" | 20 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3662-00 | 24-3672-00 | 24-3682-00 | | |
| 3 mm | 24-3663-00 | 24-3673-00 | 24-3683-00 | | |
| 4 mm | 24-3664-00 | 24-3674-00 | 24-3684-00 | | |
| 5 mm | 24-3665-00 | 24-3675-00 | 24-3685-00 | | |



abgewinkelt /
down-angled

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*

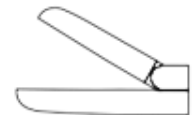


- schwarze Titan-Nitrit Beschichtung
- zerlegbar
- *Black Ceramic Coating*
- *detachable*

Caspar Laminektomie Rongeur bajonett

Caspar Laminectomy Rongeur bayonet-shaped

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3702-00 | 24-3712-00 | 24-3722-00 | | |
| 3 mm | 24-3703-00 | 24-3713-00 | 24-3723-00 | | |
| 4 mm | 24-3704-00 | 24-3714-00 | 24-3724-00 | | |
| 5 mm | 24-3705-00 | 24-3715-00 | 24-3725-00 | | |



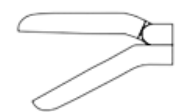
gerade /
straight

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3732-00 | 24-3742-00 | 24-3752-00 | | |
| 3 mm | 24-3733-00 | 24-3743-00 | 24-3753-00 | | |
| 4 mm | 24-3734-00 | 24-3744-00 | 24-3754-00 | | |
| 5 mm | 24-3735-00 | 24-3745-00 | 24-3755-00 | | |



aufgewinkelt /
up-angled

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|------------|------------|------------|--|--|
| 2 mm | 24-3762-00 | 24-3772-00 | 24-3782-00 | | |
| 3 mm | 24-3763-00 | 24-3773-00 | 24-3783-00 | | |
| 4 mm | 24-3764-00 | 24-3774-00 | 24-3784-00 | | |
| 5 mm | 24-3765-00 | 24-3775-00 | 24-3785-00 | | |



abgewinkelt /
down-angled

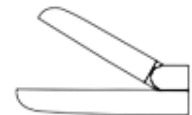
* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*



- schwarze Titan-Nitrit Beschichtung
- zerlegbar
- *Black Ceramic Coating*
- *detachable*

Caspar Laminektomie Rongeur bajonett rechts
Caspar Laminectomy Rongeur bayonet-shaped right

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3812-00 | * | | |
| 3 mm | * | 24-3813-00 | * | | |
| 4 mm | * | 24-3814-00 | * | | |
| 5 mm | * | 24-3815-00 | * | | |



gerade /
straight

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3842-00 | * | | |
| 3 mm | * | 24-3843-00 | * | | |
| 4 mm | * | 24-3844-00 | * | | |
| 5 mm | * | 24-3845-00 | * | | |



aufgewinkelt /
up-angled

| Maul/ jaw | 15 cm 6" | 18 cm 7" | 20 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3872-00 | * | | |
| 3 mm | * | 24-3873-00 | * | | |
| 4 mm | * | 24-3874-00 | * | | |
| 5 mm | * | 24-3875-00 | * | | |



abgewinkelt /
down-angled

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*

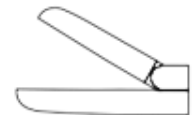


- schwarze Titan-Nitrit Beschichtung
- zerlegbar
- *Black Ceramic Coating*
- *detachable*

Caspar Laminektomie Rongeur bajonett links

Caspar Laminectomy Rongeur bayonet-shaped left

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3912-00 | * | | |
| 3 mm | * | 24-3913-00 | * | | |
| 4 mm | * | 24-3914-00 | * | | |
| 5 mm | * | 24-3915-00 | * | | |



gerade /
straight

| Maul/ jaw | 11 cm 4" | 15 cm 6" | 18 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3942-00 | * | | |
| 3 mm | * | 24-3943-00 | * | | |
| 4 mm | * | 24-3944-00 | * | | |
| 5 mm | * | 24-3945-00 | * | | |



aufgewinkelt /
up-angled

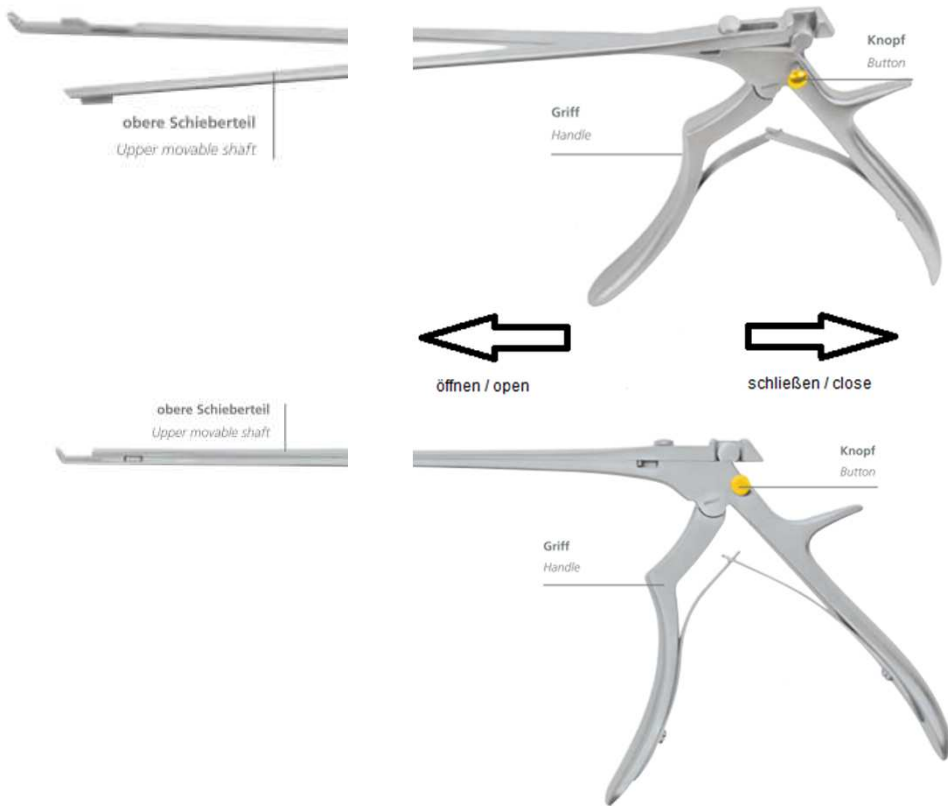
| Maul/ jaw | 15 cm 6" | 18 cm 7" | 20 cm 7" | | |
|-----------|----------|------------|----------|--|--|
| 2 mm | * | 24-3972-00 | * | | |
| 3 mm | * | 24-3973-00 | * | | |
| 4 mm | * | 24-3974-00 | * | | |
| 5 mm | * | 24-3975-00 | * | | |



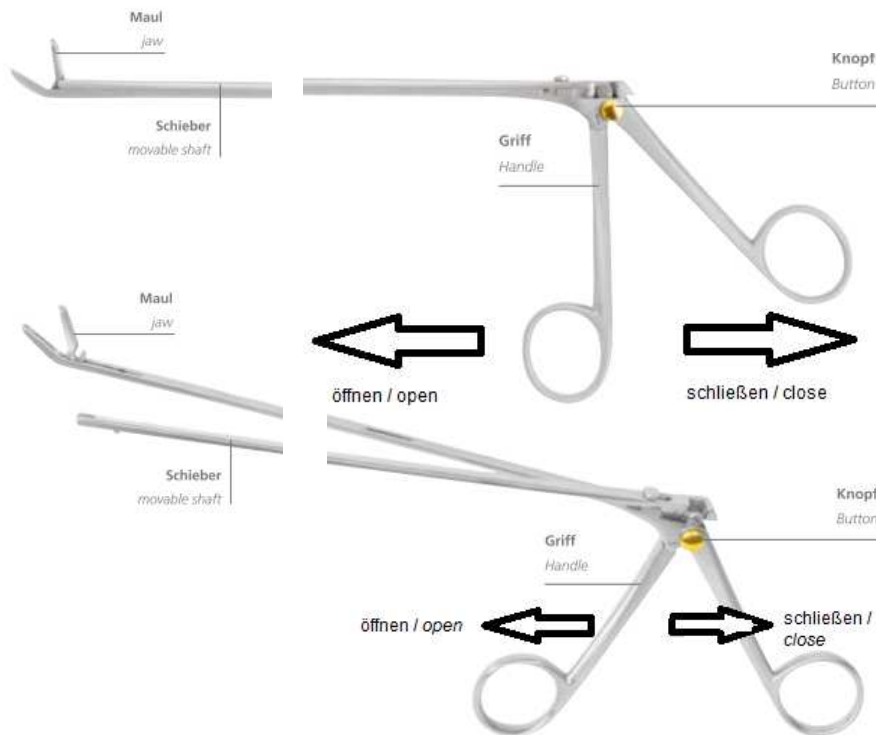
abgewinkelt /
down-angled

* Weitere Arbeitslängen auf Anfrage / *Further working length upon request*

Öffnen – Zusammensetzen / *Disassembly - Assembly*



Stanzen /
Punch



Rongeur /
Rongeur

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