

arthro  
*line*<sup>®</sup>

## Punches

Putting comfort and quality back into your hands!

- Ergonomic handle design
- Precise cutting with little effort
- Large selection for most arthroscopic applications

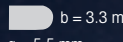
# Putting comfort and quality back into your hands!

ARTHROline punches combine top-quality and ergonomic design as a perfect complement to Richard Wolf's arthroscopy portfolio.

The special construction noticeably reduces the force required to cut, allowing you to work quicker, with less fatigue and with greater precision.

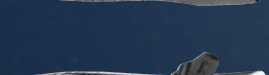
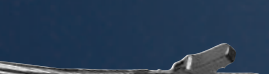
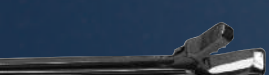
With its outstanding precision, quality and versatility, ARTHROline meets your every wish in arthroscopic surgery.

## CROSS SECTION

 b = 3.3 mm  
a = 5.5 mm  
Height of jaws 2.1 mm



Height of jaws 1.6 mm



**ARTHROline punch,**  
standard, straight ..... **89140.0005**

**ARTHROline punch,**  
standard,  
jaws curved upward ..... **89140.0002**

**ARTHROline punch,**  
standard,  
shaft curved upward ..... **89140.0022**

**ARTHROline punch,**  
standard, jaws curved upward,  
shaft curved left ..... **89140.0001**

**ARTHROline punch,**  
standard, jaws curved upward,  
shaft curved right ..... **89140.0203**

**ARTHROline punch,**  
flat jaws, straight ..... **89140.0105**

**ARTHROline punch,**  
flat jaws,  
jaws curved upward ..... **89140.0102**

**ARTHROline punch,**  
flat jaws,  
shaft curved upward ..... **89140.0122**

**ARTHROline punch,**  
flat jaws,  
jaws curved upward,  
shaft curved left ..... **89140.0101**

**ARTHROline punch,**  
flat jaws,  
jaws curved upward,  
shaft curved right ..... **89140.0103**



**\*All ARTHROline forceps have a diameter of 3.4 mm  
and a working length of 125 mm.**



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The ergonomic handles are designed with the anatomy of the hand in mind, ensuring maximum comfort when working with the instrument. The moveable handle with finger spur is a "three-finger lever", providing optimal force distribution and fatigue-free working. The fixed handle is ideally shaped for the thumb when cutting and grasping. This configuration ensures large surface areas to which pressure can be applied to facilitate cutting and to avoid pressure points on the fingers.


#### SUCTION PUNCHES



**ARTHROline suction punch,**  
2.7 mm diameter,  
can be dismantled ..... **89140.0027**

**ARTHROline suction punch,**  
4.5 mm diameter,  
can be dismantled ..... **89140.0045**

#### CROSS SECTION

 b = 1.7 mm  
a = 3.1 mm




Height of jaws  
1.6 mm

**ARTHROline hooked punch,**  
straight ..... **89140.0205**

**ARTHROline hooked punch,**  
jaws curved upward ..... **89140.0202**

#### CROSS SECTION

 b = 4.5 mm  
a = 6.0 mm




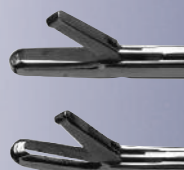
Height of jaws  
2.1 mm

**ARTHROline basket punch oval,**  
straight ..... **89140.0305**

**ARTHROline basket punch oval,**  
jaws curved upward ..... **89140.0302**

#### CROSS SECTION

 b = 2.2 mm  
a = 7.5 mm




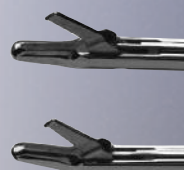
Height of jaws  
2.1 mm

**ARTHROline hooked punch,**  
with scoop,  
jaws straight ..... **89140.0405**

**ARTHROline hooked punch,**  
with scoop,  
jaws curved upward ..... **89140.0402**

#### CROSS SECTION

 b = 0.9 mm  
a = 5.7 mm




Height of jaws  
2.1 mm

**ARTHROline scissors punch,**  
straight ..... **89140.0505**

**ARTHROline scissors punch,**  
jaws curved upward ..... **89140.0502**

#### CROSS SECTION

 b = 2.0 mm  
a = 2.5 mm



Height of jaws  
2.3 mm

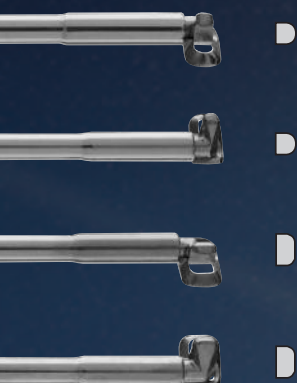
**ARTHROline punch,**  
retrograde cutting action,  
left back biter ..... **89140.0605**

**ARTHROline punch,**  
retrograde cutting action,  
right back biter ..... **89140.0602**

# New!

## New ARTHROline Rotary Basket Punches An ergonomic solution to your arthroscopic cutting needs!

### CROSS SECTION



**ARTHROline rotary basket punch,**  
2.2 mm jaw height,  
Curved 90° left ..... **89140.0704**

**ARTHROline rotary basket punch,**  
2.2 mm jaw height,  
Curved 90° right ..... **89140.0706**

**ARTHROline rotary basket punch,**  
3.2 mm jaw height,  
Curved 90° left ..... **89140.0804**

**ARTHROline rotary basket punch,**  
3.2 mm jaw height,  
Curved 90° right ..... **89140.0806**

