



# Plasma robot torches

# Plasma robot torches up to 50A

- **Robacta PTW 500 F++/FG/4m**
  - 50A DC 60% d.c.
  - Electrode: 1,0\*mm/1,6mm
  - Plasma nozzles: 0,6-1,6mm
  - Length: 4m
  - Modular format KD



# Plasma robot torches up to 150A

- **Robacta PTW 1500 F++/FG/**
  - 150A DC 100% d.c.
  - Electrode: 2,4mm/1,6mm
  - Plasma nozzles: 1,0/1,5/2,0/2,5\*/3,0mm
  - Length: 4/6m
  - Holder suitable for robot, which means precise TCP
  - Modular format KD, HD, Drive
  - TCP identical to RobactaTTW4500



# Plasma torch Robacta PTW 1500 PAP

- **Robacta PTW 1500 PAP**
- Art.Nr..44,0350,3033
  - 150A DC- 100% duty cycle
  - Electrode: 1,6/2,4\*mm
  - Plasma gas nozzles: 1,5/2,0/2,5\*/3,0mm
  - Changeable torch body
  - Optional cold wire feeding



# Plasma robot torches up to 350A

- **Robacta PTW 3500 F++/FG/**
  - 350A DC 100% d.c.
  - Electrode: 4,8\*/6,4mm
  - Plasmanozzles: 2,0/2,5/3,2\*/3,5/4,0mm
  - Length: 4/6m
  - Holder suitable for robot, which means precise TCP
  - Modular format KD, HD, Drive, drag gas nozzle
  - TCP identical to Robacta TTW5500



# Plasma torch Robacta PTW 3500 PAP

- **Robacta PTW 3500 PAP**
- Art.Nr..44,0350,2908
  - 350A DC- 100% duty cycle
  - Electrode: 4,0/4,8\*/6,4mm
  - Plasma gas nozzles: 2,5/2,8/3,2\*/3,5/4,0mm
  - Changeable torch body
  - Optional cold wire feeding



# Crashbox PAP

**CrashBox PAP**

Art.No.:44,0350,2748

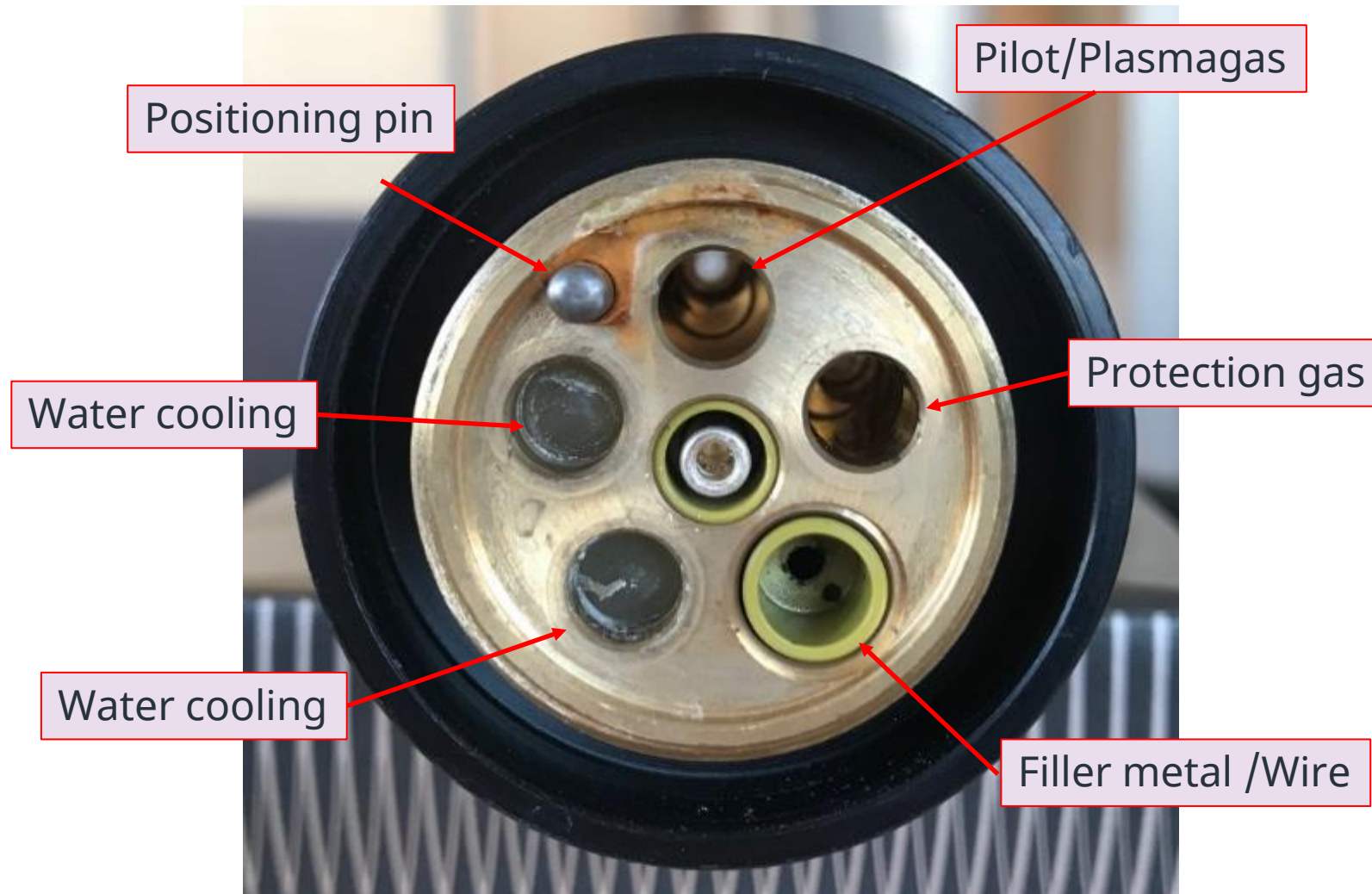


# Hose pack Plasma / TIG PAP

- **Robacta W/CB-PAP/TIG-Plasma/6m**
- Art.Nr..4,047,671
  - One hose pack for all kinds of robots
  - Cold wire feeding is integrated
  - Useable for WIG and Plasma applications

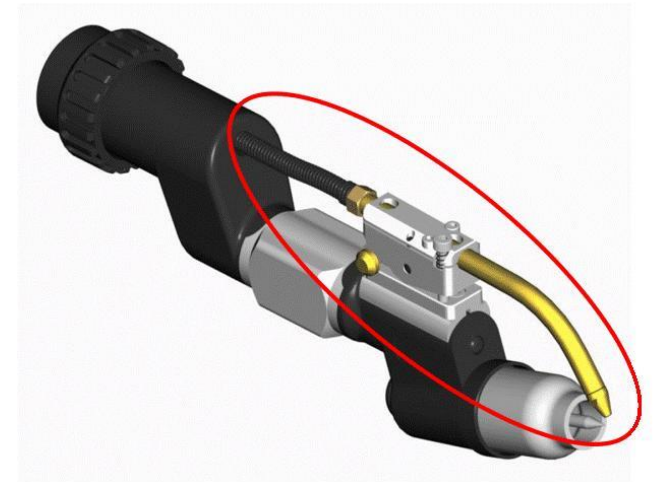






# Cold wire feeding

- **Cold wire feeding holding lock swivel**
- Art.No.:44,0350,2910
- Wire feeding
- Optional for PTW 3500 PAP and TTW 5500 PAP



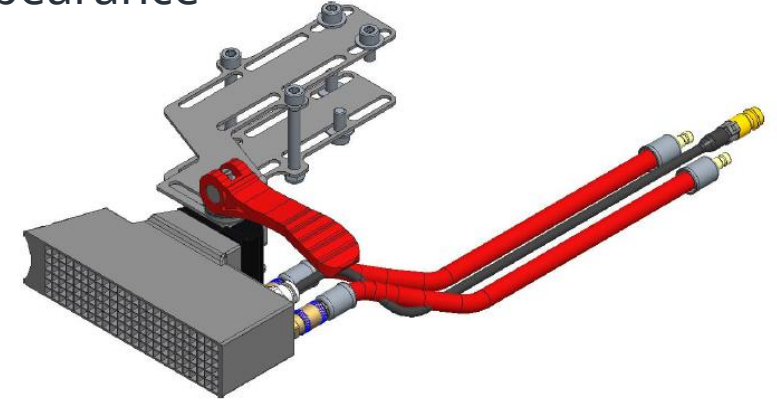
# Torch holding clamp

- **Holding clamp TIG/Plasma PAP**
- Art.No.: 44,0350,5014
  - Holding clamp hosepack for PTW 1500/3500 PAP and TTW 4500/5500 PAP
  - Bracket for conventional robots and mechanized applications.



# Drag gas nozzles

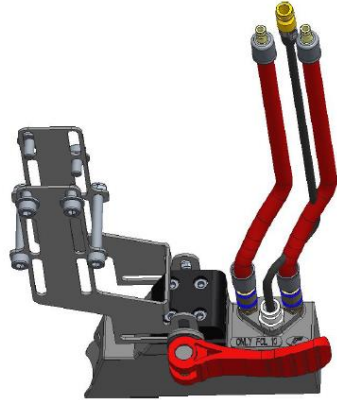
- Flow-optimized drag gas nozzle for optimum seam quality and appearance
- Watercooled drag gas nozzle
- No sealing lips that needs to be replaced
- Lever for moving the body into a different position
- Easy consumable change
- Improved visibility of the welding point
- Lower gas consumption through optimized flow channels (3D printing)
- **Suitable for torch bodies with 0° and 17° / conventional and PAP**
  - ArcTig: TTW 7200 ArcTig (circumferential welds only with gas nozzle 44,0350,1579) / TTW 3600 ArcTig
  - WIG: Robacta TTW 4500 / Robacta TTW 5500
  - Plasma: Robacta PTW 1500 / PTW 3500 (only without external watercooling)



# Variants

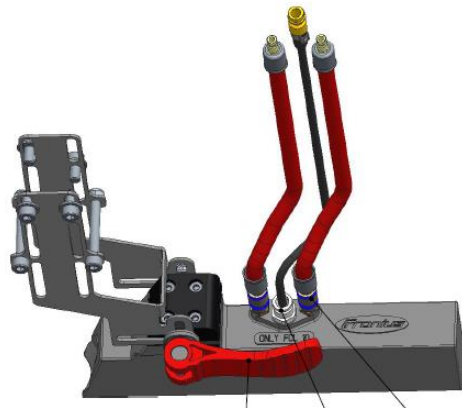
## Drag gas nozzle with length 100mm

44,0350,0751 drag gas nozzle  
100x27x43 r17



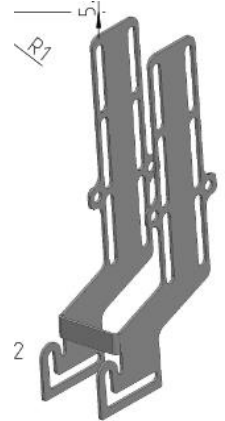
## Drag gas nozzle with length 180mm

44,0350,0677 drag gas nozzle  
180x27x43 r17



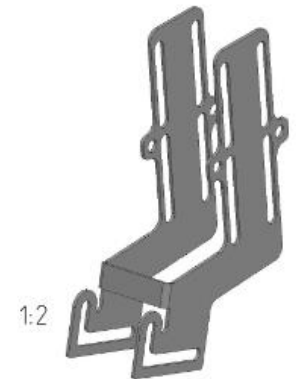
## Holder for 0° torch body

42,1200,0256 holder for  
torch body 0°



## Holder for 17° torch body

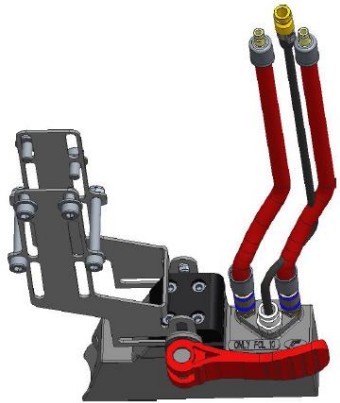
42,1200,0390 holder for  
torch body 17°



# Variants for circumferential welds

**Drag gas nozzle with length 100mm**

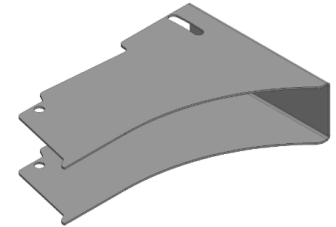
44,0350,0751 drag gas nozzle 100x27x43 r17



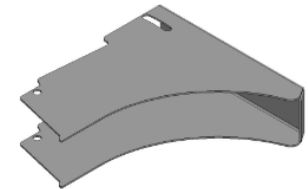
**Holder for 0° torch body**  
42,1200,0556 holder for 0° torch body



42,1200,0557  
8inch/ 222mm



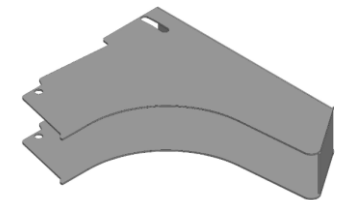
42,1200,0558  
6inch/ 168mm



**Holder for 17° torch body**  
42,1200,0584 Holder for 17° torch body



42,1200,0559  
4inch/ 115mm



Other diameters available on request between 115mm and 222mm



All information is without guarantee in spite of careful editing – liability excluded.

Intellectual property and copyright: all rights reserved.  
Copyright law and other laws protecting intellectual property apply to the content of this presentation and the documentation enclosed (including texts, pictures, graphics, animations etc.) unless expressly indicated otherwise. It is not permitted to use, copy or alter the content of this presentation for private or commercial purposes without explicit consent of Fronius.