



Plasma / TIG PAP

Positioning

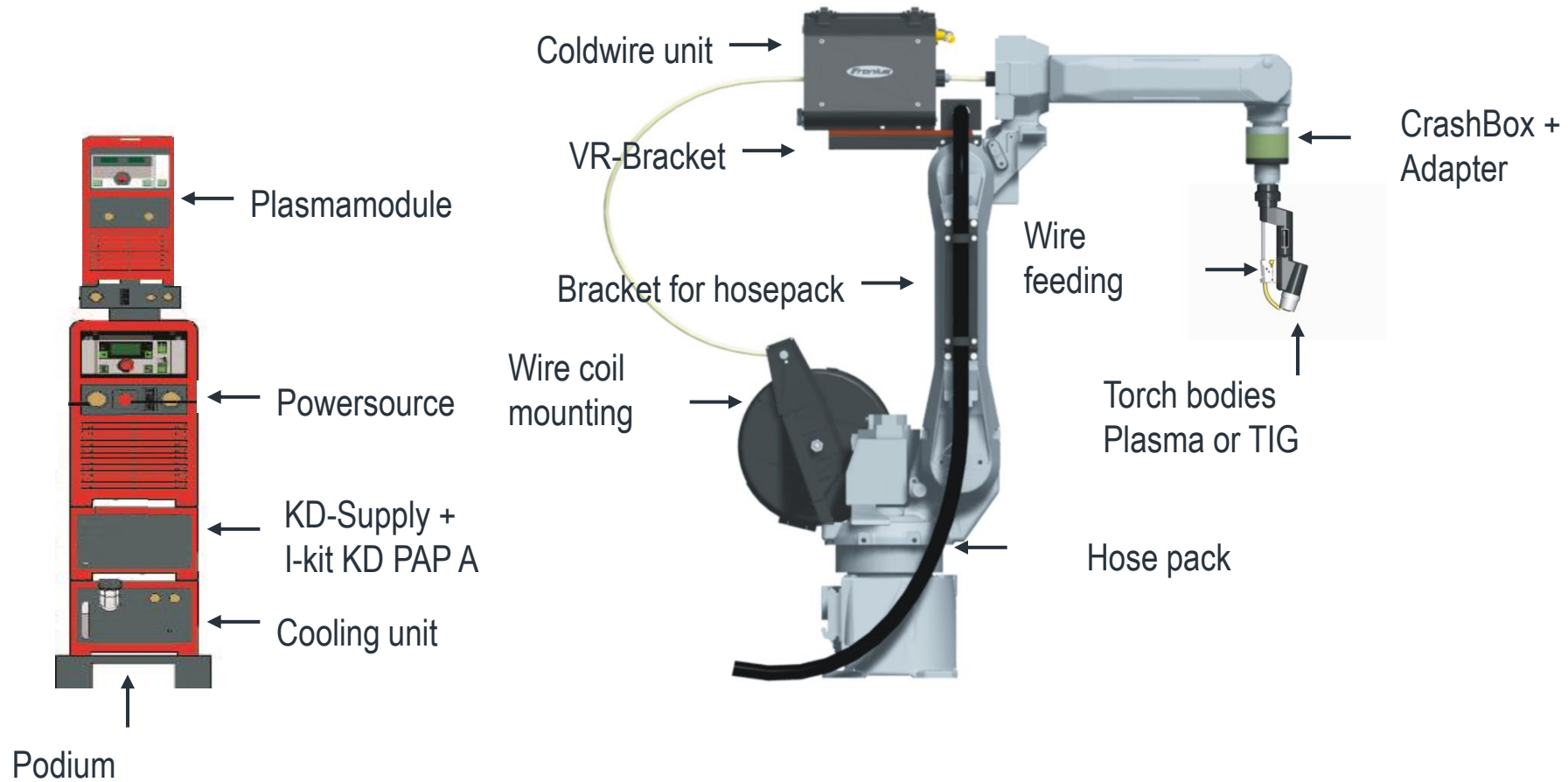
- Perfect welding seams
- Absolutely spatter free
- Unique selling point against competitors
- Simple construction



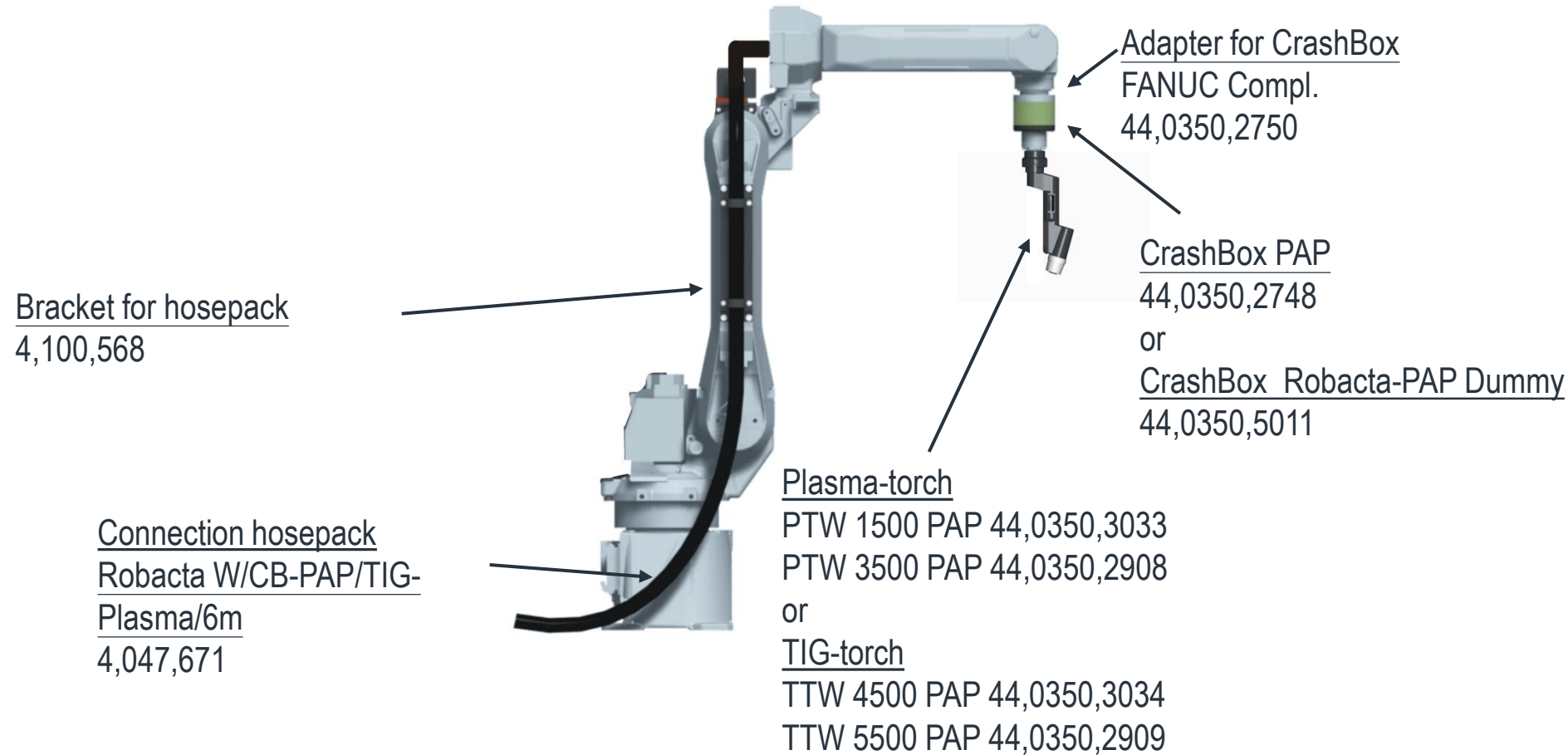
Advantages

- Excellent component accessibility
- Hosepack is integrated into the process arm
- Welding torch is situated directly in the 6th axis of the robot
- Very large and broad area of use (Plasma/TIG)
- Hosepack is suitable for all robot types
- No interfering contour due to the hosepack
- One hosepack for TIG/Plasma and TIG/Plasma KD

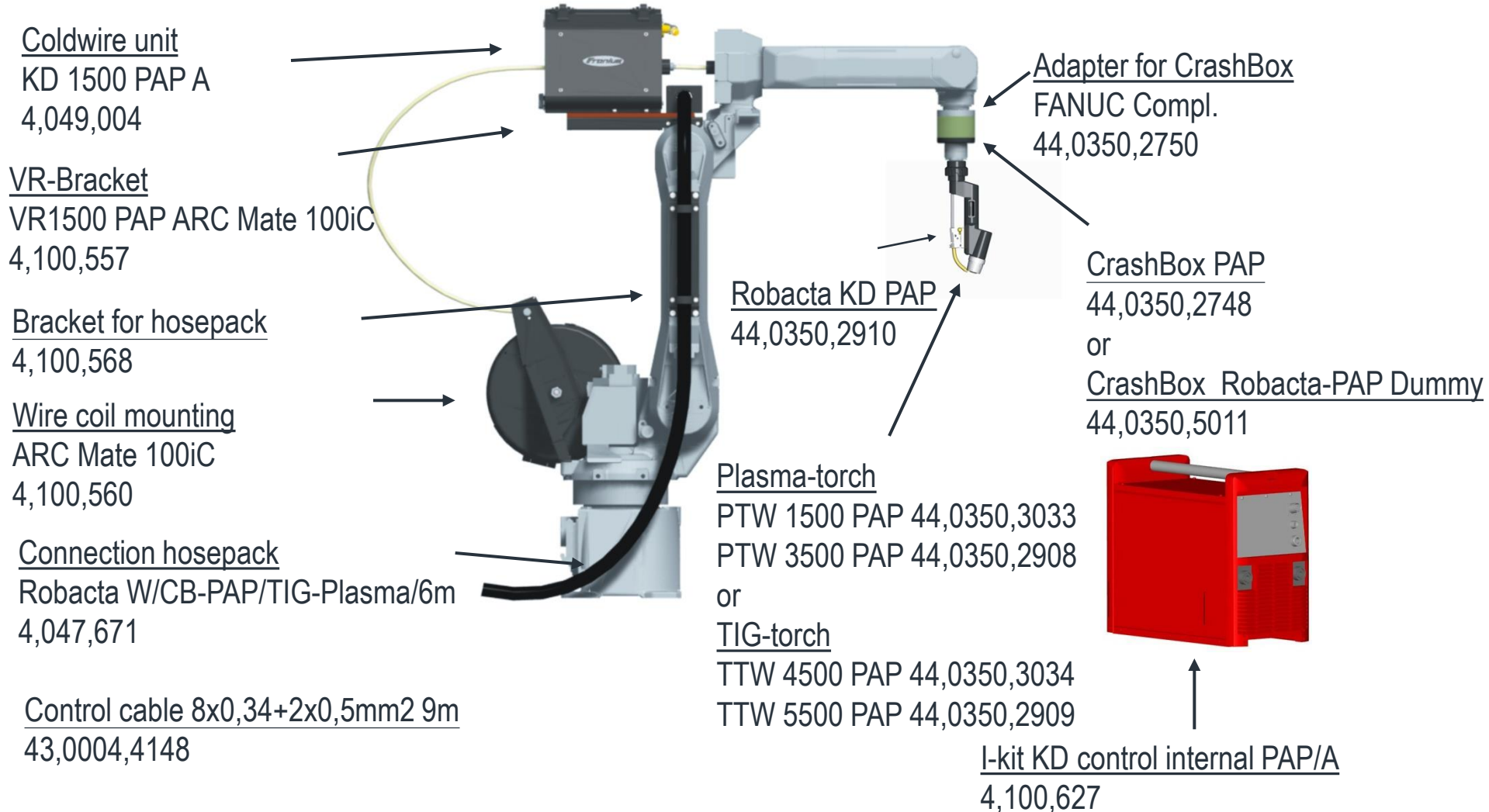
System overview



Plasma / TIG PAP



Plasma / TIG PAP KD



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 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



TIG Torch Robacta TTW 4500 PAP

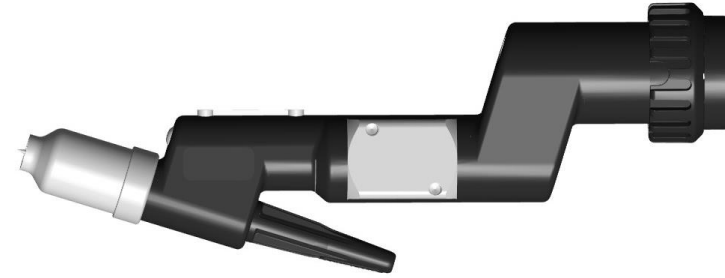
- **Robacta TTW 4500 PAP**
- Art.No. 44,0350,3034
 - 450A DC- 60% duty cycle
 - 320A AC 60% duty cycle
 - Electrode: 1,6/2,4/3,2*/4,0/4,8mm
 - Changeable torch body
 - Optional cold wire feeding



Different torch body angles

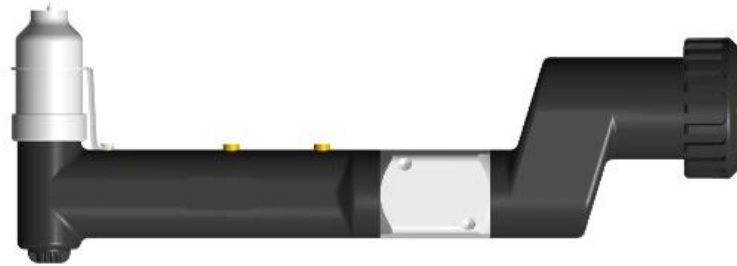
- **Robacta TTW4500 PAP 17°**

Article number: 44,0350,3034



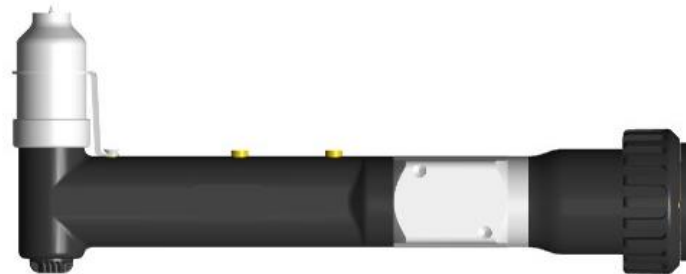
- **Robacta TTW4500 PAP 90°**

Article number: 44,0350,3247



- **Robacta TTW4500 PAP 90° straight**

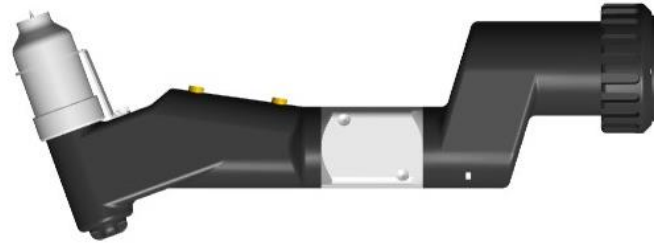
Article number: 44,0350,3246



Different torch body angles

- **Robacta TTW4500 PAP 70°**

Article number: 44,0350,3887



- **Robacta TTW4500 PAP 70° straight**

Article number: 44,0350,3886



- **Robacta TTW4500 PAP 0°**

Article number: 44,0350,3892



TIG Torch Robacta TTW 5500 PAP

- **Robacta TTW 5500 PAP**
- Art.No. 44,0350,2909
 - 550A DC- 100% duty cycle
 - 390A AC 100% duty cycle
 - Electrode: 4,0/4,8*/6,4mm
 - Changeable torch body
 - Optional cold wire feeding



Crashbox

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



Coldwire unit KD 1500 D-11 PAP

- **KD 1500 D-11 PAP**
- Art.No. 4,049,004
 - Wire feed speed 0,1 – 11,0m/min
 - Control panel:
 - Button gas check
 - Button wire inching
 - Button wire forward
 - Basic kit feeder roll 1,2H



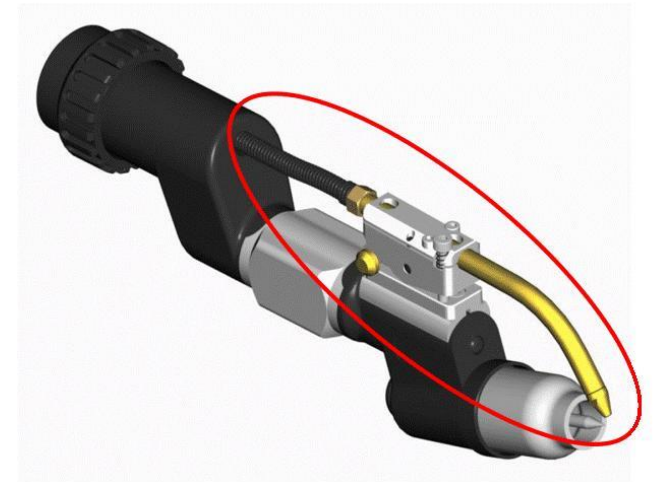
I-Kit KD control internal PAP

- **I-kit KD Control internal PAP/A**
- **Art.No.:4,100,627**
- Useable for TT/MW 4000/5000 and KD
Supply 2500 (TT/MW 2500/3000)



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

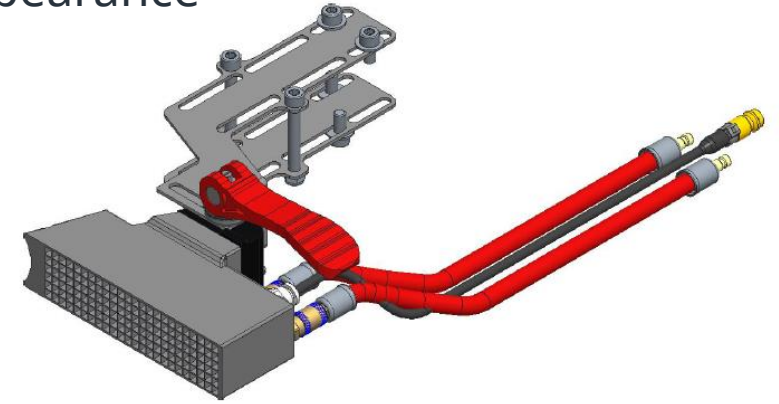
- **Holding clamp TIG/Plasma PAP**
- Art.No.: 44,0350,5014
 - Holding clamp hosepack for PTW 1500/3500 PAP and TTW 4500/5500 PAP
 - Bracket for conventional robots and mechanized applications.



Drag gas nozzles

Drag gas nozzles

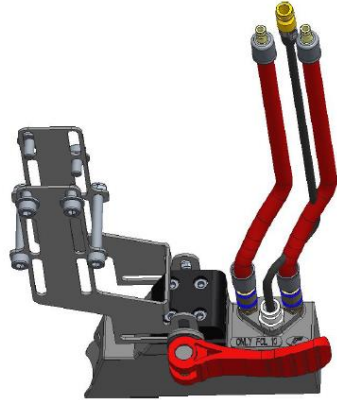
- Flow-optimized drag gas nozzle for optimum seam quality and appearance
- Watercooled drag gas nozzle
- No sealing lips that needs to be replaced
- Lever for moving the body into a different position
- Easy consumable change
- Improved visibility of the welding point
- Lower gas consumption through 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

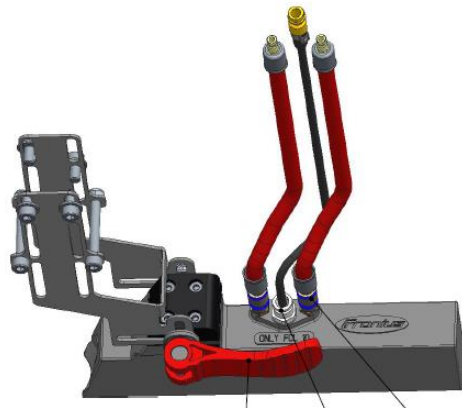
Drag gas nozzle with length 100mm

44,0350,0751 drag gas nozzle
100x27x43 r17



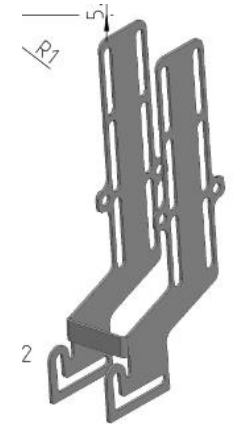
Drag gas nozzle with length 180mm

44,0350,0677 drag gas nozzle
180x27x43 r17



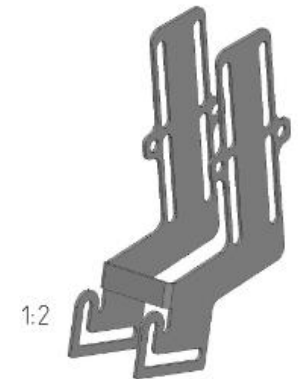
Holder for 0° torch body

42,1200,0256 holder for
torch body 0°



Holder for 17° torch body

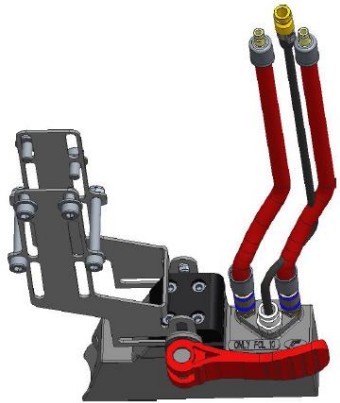
42,1200,0390 holder for
torch body 17°



Variants for circumferential welds

Drag gas nozzle with length 100mm

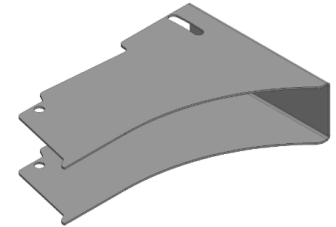
44,0350,0751 drag gas nozzle 100x27x43 r17



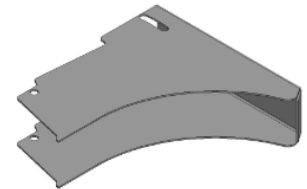
Holder for 0° torch body
42,1200,0556 holder for 0° torch body



42,1200,0557
8inch/ 222mm



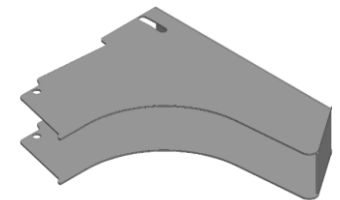
42,1200,0558
6inch/ 168mm



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



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