



Narrow-gap gas nozzles

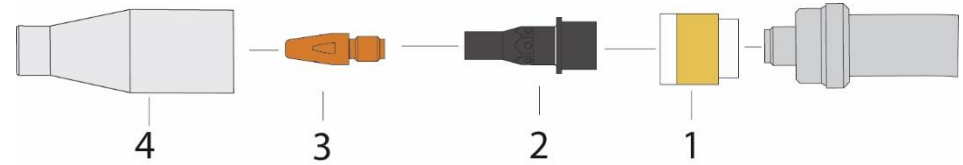
TPS/i



Narrow gap gas nozzles for TPS/i torch bodies

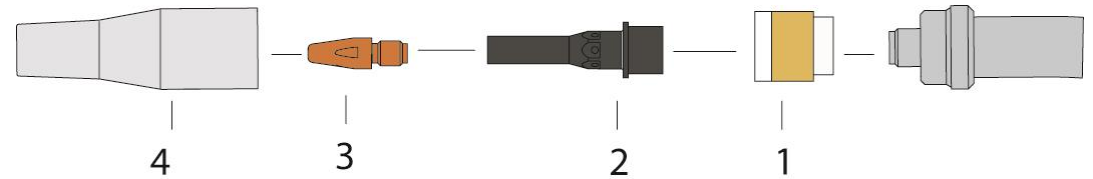
– MTB 320i G R

- 1) 44,0350,3880,5 Insulation sleeve. Ø14/Ø20,7x21
- 2) 42,0001,4920,5 Nozzle stock M6/SW10x36
- 3) Contact tip M6 L24
- 4) 42,0001,4917,5 Gas nozzle narrow gap Ø13/Ø25x62,5



– MTB 400i G R

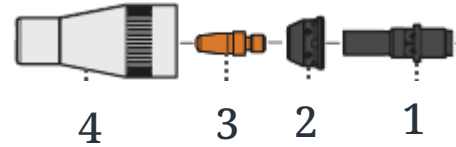
- 1) 44,0350,3880,5 Insulation sleeve. Ø14/Ø20,7x21
- 2) 42,0001,4921,5 Nozzle stock M6/SW10x48
- 3) Contact tip M6 L24
- 4) 42,0001,4918,5 Gas nozzle narrow gap Ø13/Ø25x74,5
- 42,0001,6716,5 Gas nozzle narrow gap Ø13/Ø25x68
- 42,0001,6715,5 Gas nozzle narrow gap Ø10/D25x68



Narrow gap gas nozzles for TPS/i torch bodies

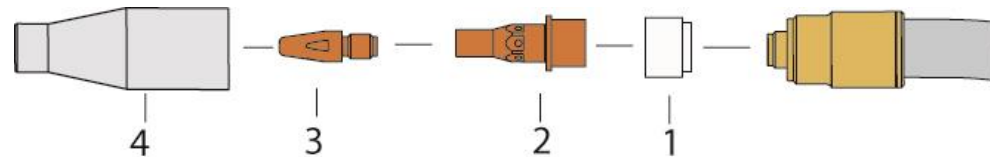
– MTB 330i G / W

- 1) 42,0001,4909,5 Nozzle stock M6/SW10x37,7
 - 2) 42,0100,0583 Spatter guard ø8,3 / ø18x12,5
 - 3) Contact tip M6 L24
 - 4) 42,0001,4745,5 Gas nozzle narrow gap ø13 / ø24x56 CT
- 42,0001,6772,5 Gas nozzle narrow gap ø13 / ø25x50 CT



– MTB 400i W R / MTB 500i W R

- 1) 42,0100,1497,5 Insulation ring ø20,7/ø14x15
- 2) 42,0001,4919,5 Nozzle stock M6/SW10x30
- 3) Contact tip M6 L24
- 4) 42,0001,4917,5 Gas nozzle narrow gap ø13/ø25x62,5

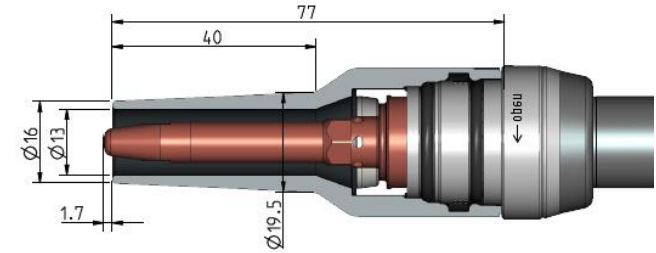


Narrow gap consumables

MTB 700i W R

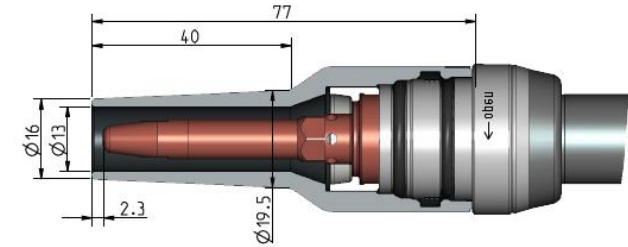
- **Narrow gap consumables with long nozzle stock**

- 42,1100,0083 Insulation sleeve M18x1/ø20,6x11.6
- 42,0001,0544 Nozzle stock M8x1,5/SW10x44,9
- 42,0001,0545 Gas nozzle ø15/ø29x80



- **Narrow gap consumables with short nozzle stock**

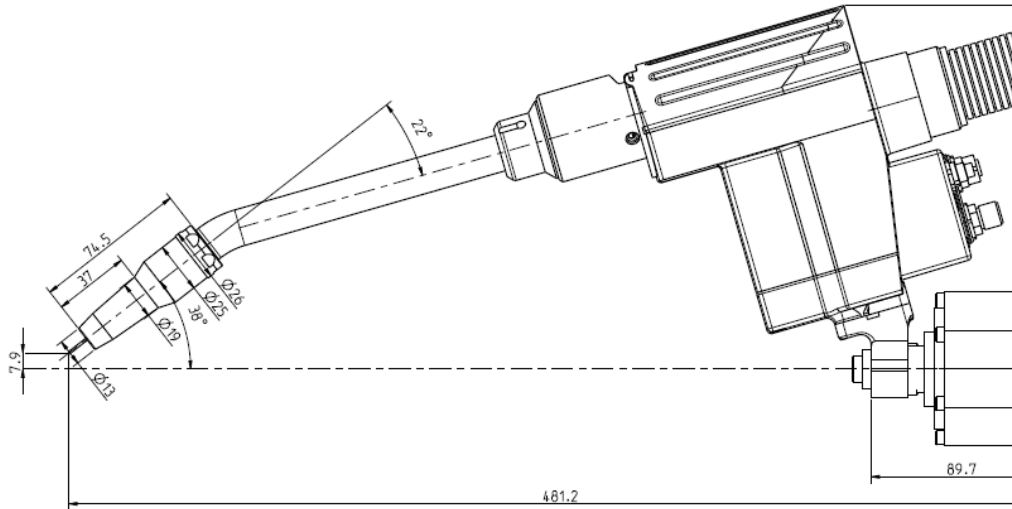
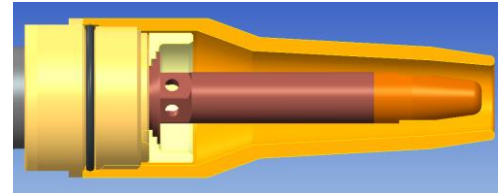
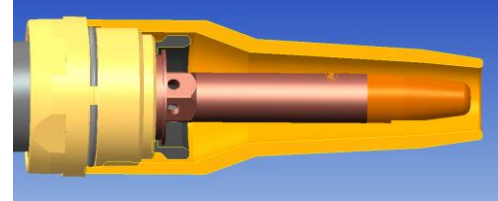
- 42,1100,0083 Insulation sleeve M18x1/ø20,6x11.6
- 42,0001,0546 Nozzle stock M8x1,5/SW10x38,4
- 42,0001,0545 Gas nozzle ø15/ø29x80



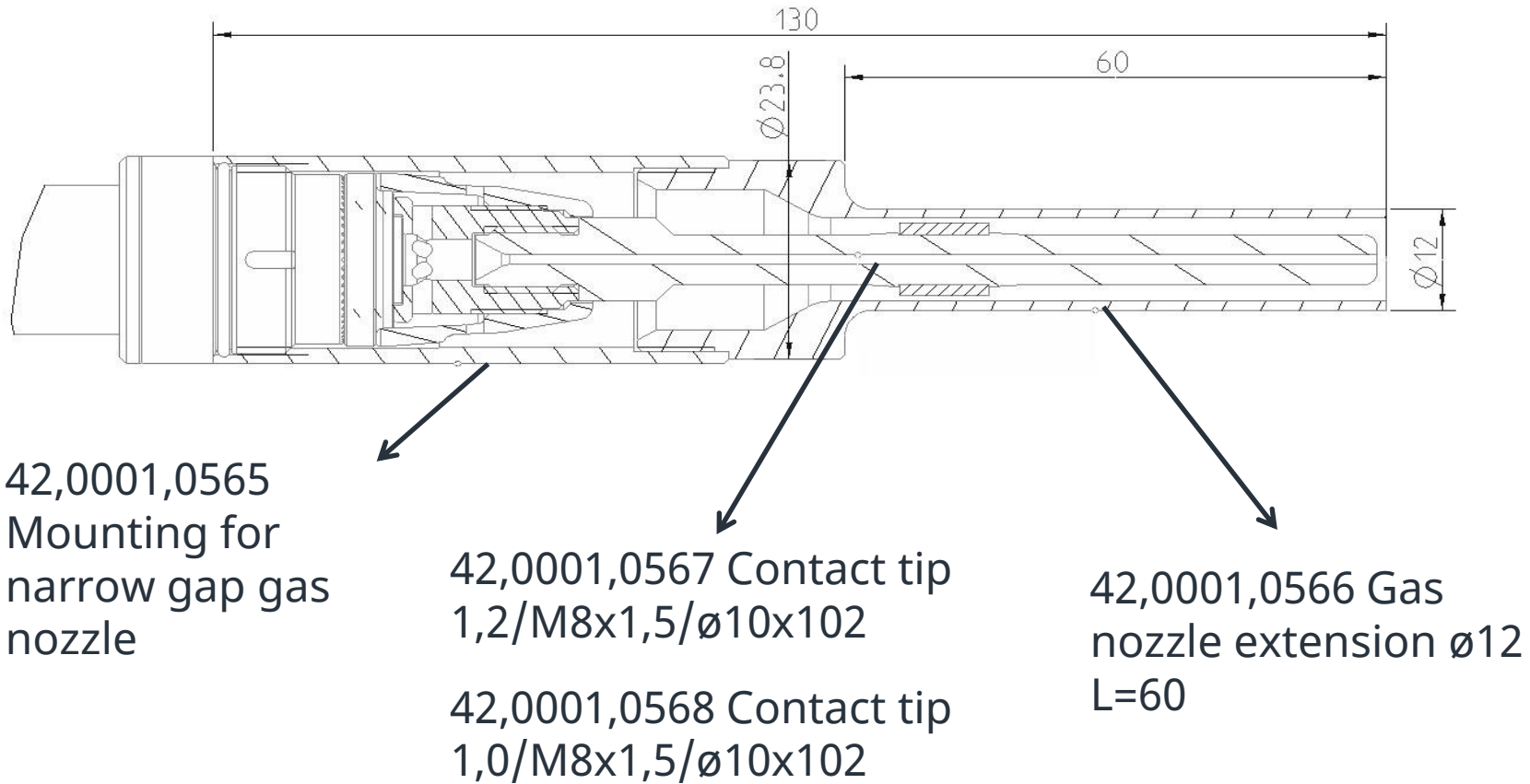
- Attention! Performance max. 300A – depends on Stickout, surrounding temperature, application

Special gas nozzle for MTB 330i G / W

- Gas nozzle narrow gap Ø10/Ø25x65 CT (z0172334)
- gascooled: Nozzle stock M6/SW8x45,7 (z0172336)
- watercooled: Nozzle stock M6/SW8x43,5 (z0201360)



MTW400i / MTW500i / MTW330i



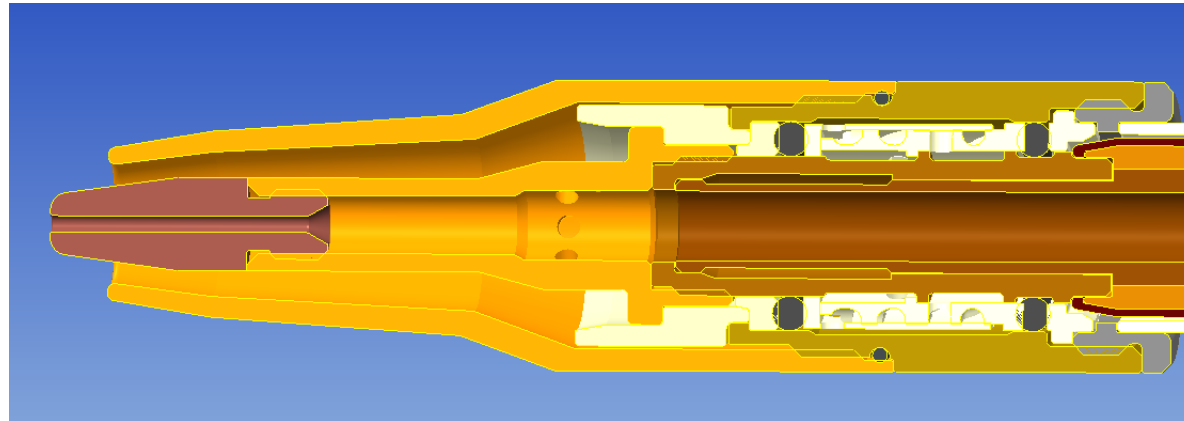
Attention! Performance max. 250A – depends on
Stickout, surrounding temperature, application

MTW 500i / MTB 500i

with narrow gap gas nozzle ø10

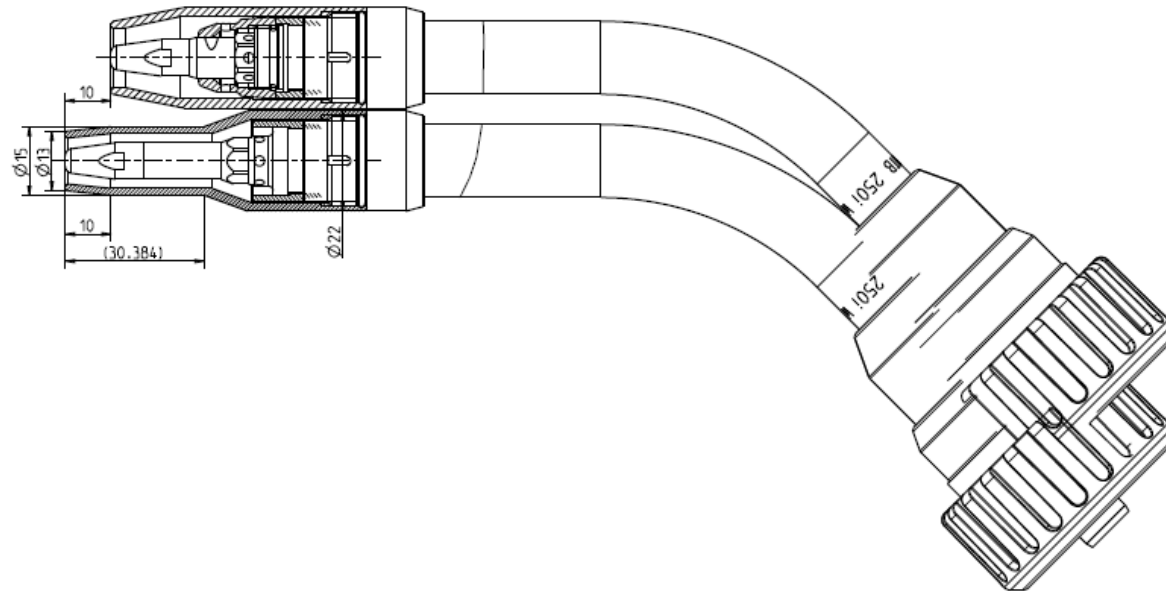
Gas nozzle 42,0001,6715 ø10 / ø25x68 CT

- Insulation ring 42,0100,1497
- Contact tip M6
- Nozzle stock like 42,0001,4919 but 12mm longer Z0184992
- ATTENTION: changed TCP



MTB 250i W R

- Attention: changed TCP about 10mm
- Article numbers on request



Narrow gap wear parts MTB 250i W R

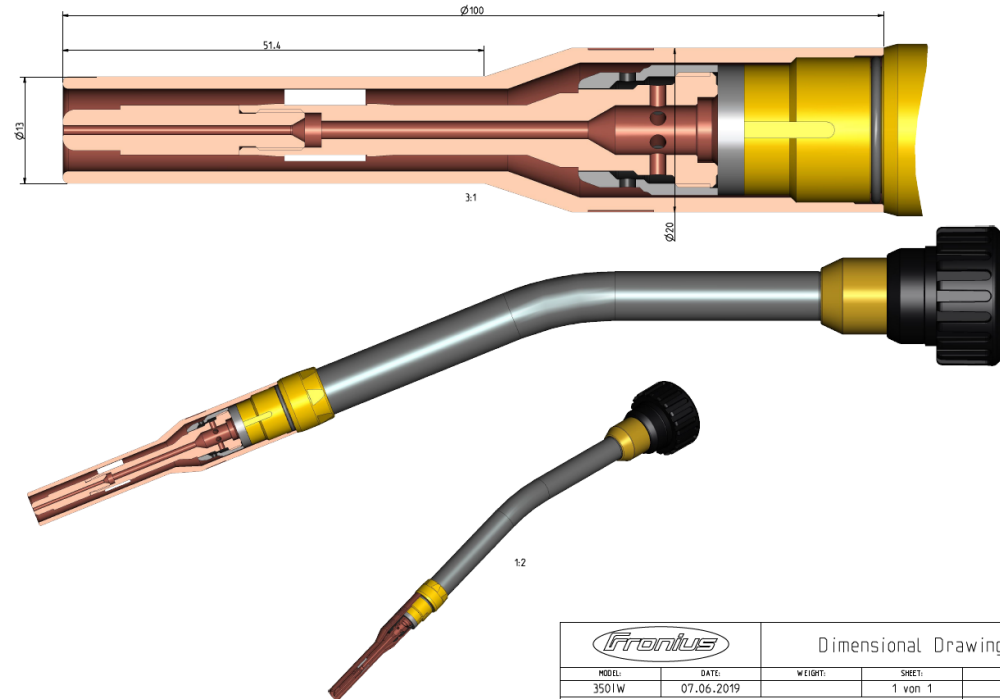


- Gas nozzle z0187331
- Nozzle stock z0187332
- Insulation ring z0187336



MTB 350i W R Narrow gap

- Available as project:
- Quantity: minimum 10 pc.
- Gas nozzle z0203854
- Nozzle stock z0203852
- Spatter guard 42,0100,0552
- Contact tips:
 - 42,0001,0175 $\varnothing 0,6$ M5/ $\varnothing 6 \times 29$
 - 42,0001,0176 $\varnothing 0,8$ M5/ $\varnothing 6 \times 29$
 - 42,0001,0177 $\varnothing 1,0$ M5/ $\varnothing 6 \times 29$
 - 42,0001,0178 $\varnothing 1,2$ M5/ $\varnothing 6 \times 29$



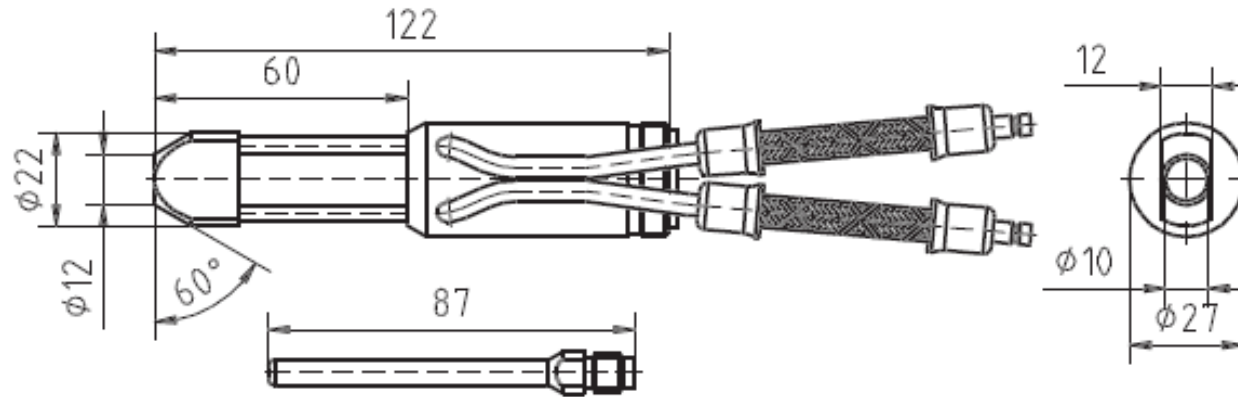
Fronius		Dimensional Drawing		
MODEL:	DATE:	WEIGHT:	SHEET:	SCALE:
350IW	07.06.2019		1 von 1	1:1
		350IW ART. NO.:		

TPS



Narrow-gap gas nozzle

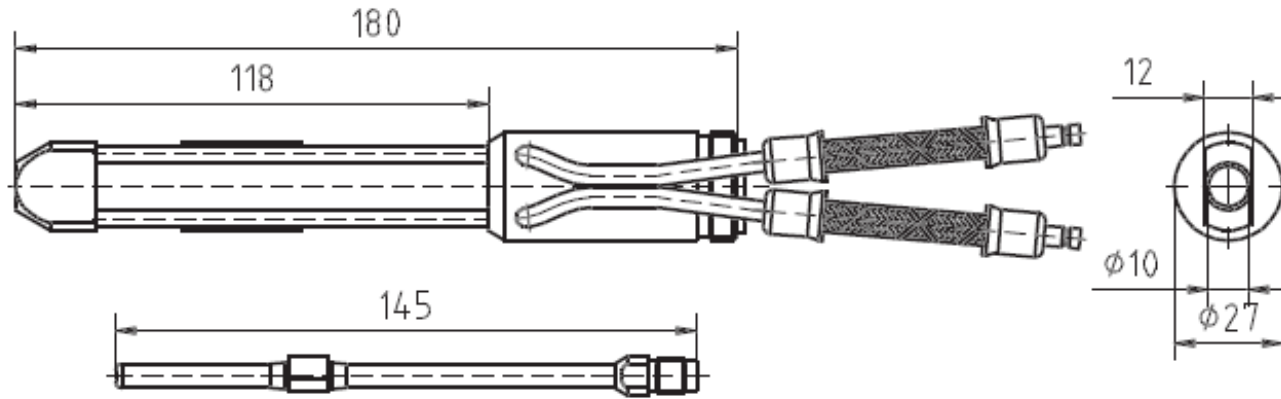
L=60mm



- 44,0350,1485 narrow gap gas nozzle L=60mm
- 42,0001,2653 contact tip for gas nozzle L=60mm

Narrow-gap gas nozzle

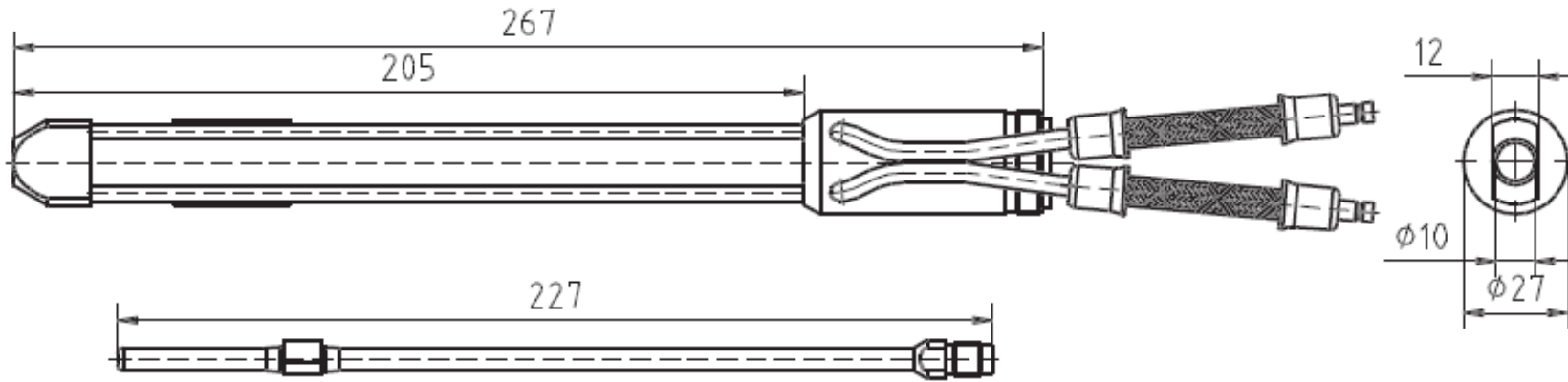
L=120mm



- 44,0360,0017 narrow gap gas nozzle L=120mm
- 44,0350,1524 contact tip for gas nozzle L=120mm

Narrow-gap gas nozzle

L=200mm



- 44,0350,1459 narrow gap gas nozzle L=200mm
- 44,0350,1458 contact tip for gas nozzle L=200mm

Features

Areas of use:

- Narrow-gap gas nozzles are used for welding in cramped conditions where access is difficult.

Advantages:

- Narrow-gap gas nozzles can be used in combination with several welding torch types (see next page)
- Narrow-gap gas nozzles ensure excellent access in cramped conditions.
- Narrow-gap gas nozzles are liquid-cooled right to the tip.

Usable welding torch types

TIME

4,035,373,000 Time W/F++/3,5m

4,035,429,000 Time W/F++/4,5m

TIME M

4,035,430,000 Time-M W/F++/1,5m

4,035,431,000 Time-M W/F++/2,5m

4,035,432,000 Time-M W/F++/3,5m

Robacta 700

34,0350,1774 Robacta 700 0° L=187,5mm

34,0350,1685 Robacta 700 0° L=250mm

34,0350,1934 Robacta 700 22° L=241mm H=50mm

34,0350,1686 Robacta 700 36° L=224mm, H=86mm

34,0350,1773 Robacta 700 45° L=209mm, H=107mm

AW7000

4,035,596,000 AW7000 W/F++/3,5m

4,035,597,000 AW7000 W/F++/4,5m

4,035,620,000 AW7000 W/F++/UD/3,5m

4,035,621,000 AW7000 W/F++/UD/4,5m

4,035,614,000 AW7000 W/F++/JM/3,5m

4,035,615,000 AW7000 W/F++/JM/4,5m

Multilock AW7000

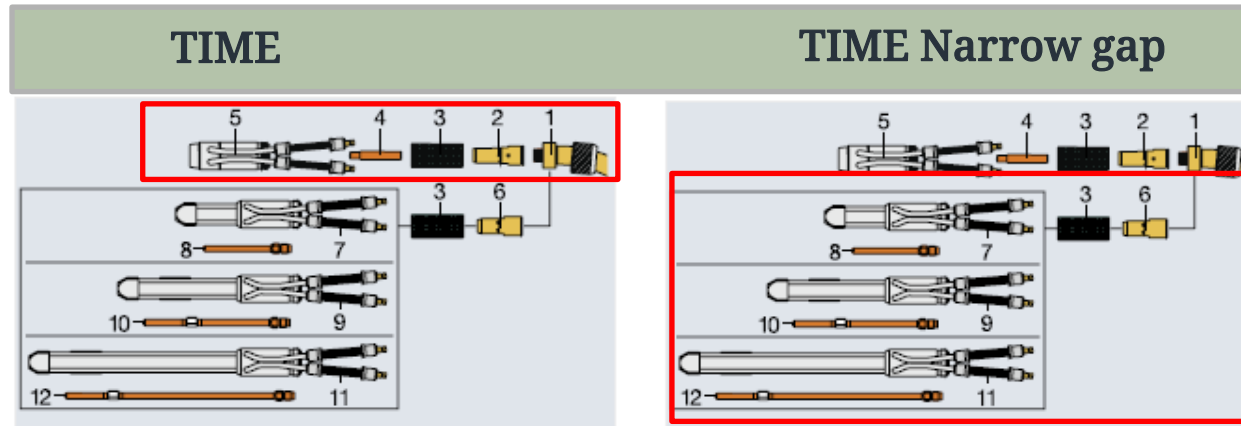
34,0350,1860 Multilock AW7000 0° L=178,0mm

34,0350,1861 Multilock AW7000 15° L=177,0mm

34,0350,1862 Multilock AW7000 30° L=169,5mm

34,0350,1863 Multilock AW7000 45° L=151,0mm

TIME / TIME M

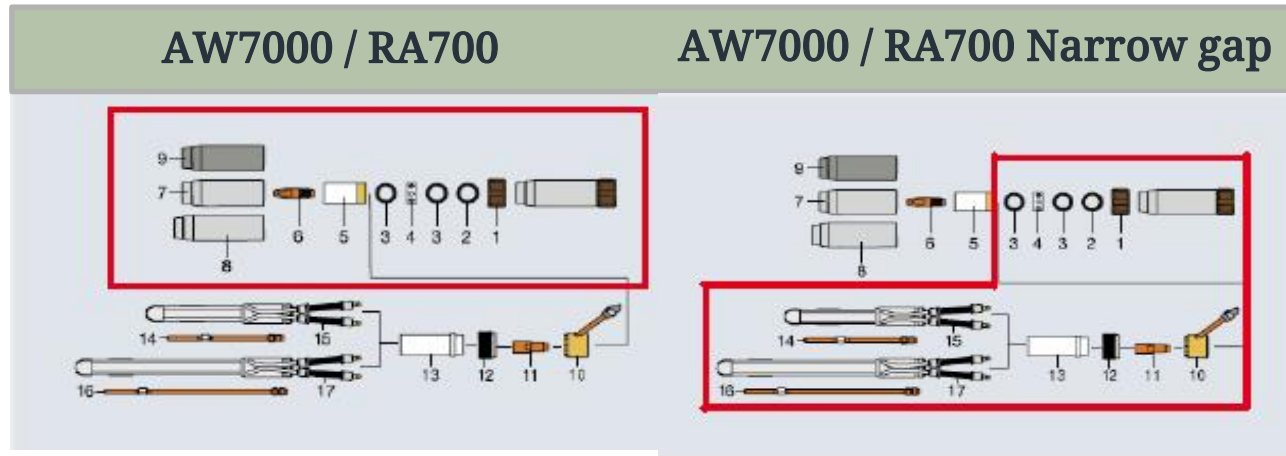


The nozzle stock has to be ordered additionally to narrow-gap gas nozzle and contact tip:

- Pos 6: 42,0001,0634 Nozzle stock M9 / SW15x44 Time narrow gap



AW7000 / Robacta 700

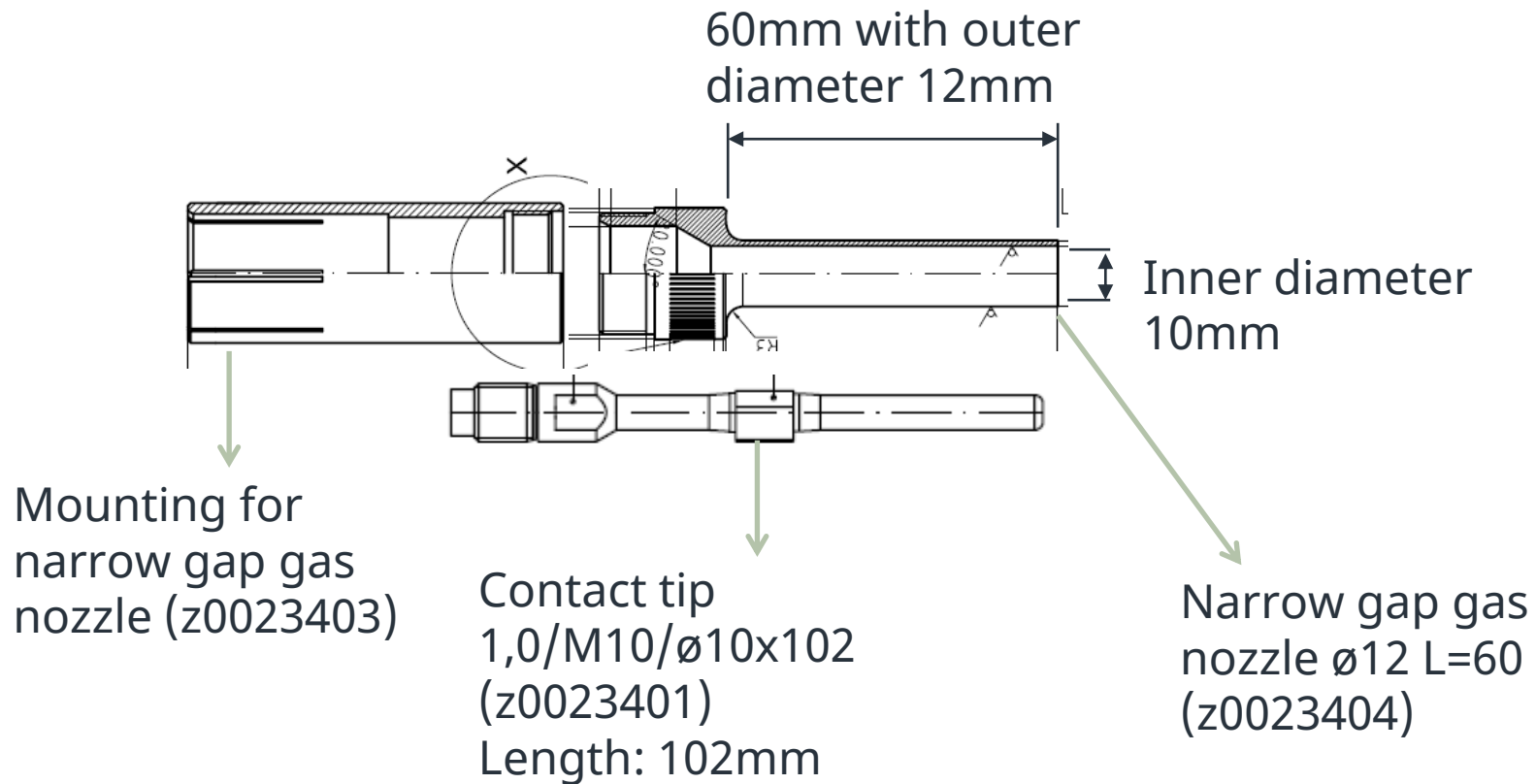


The following parts have to be ordered additionally to narrow-gap gas nozzle and contact tip:

- Pos 10: 44,0350,3051 Water guide sleeve
- Pos 11: 42,0001,0042 Adaptor for contact tip
- Pos 12: 42,0001,0043 Cap nut
- Pos 13: 42,0100,0844 Insultation sleeve
- Narrow-gap gas nozzles with L=120mm and L=200mm are recommended



(available as project)



AW5000 / MTW5000 / RA 5000

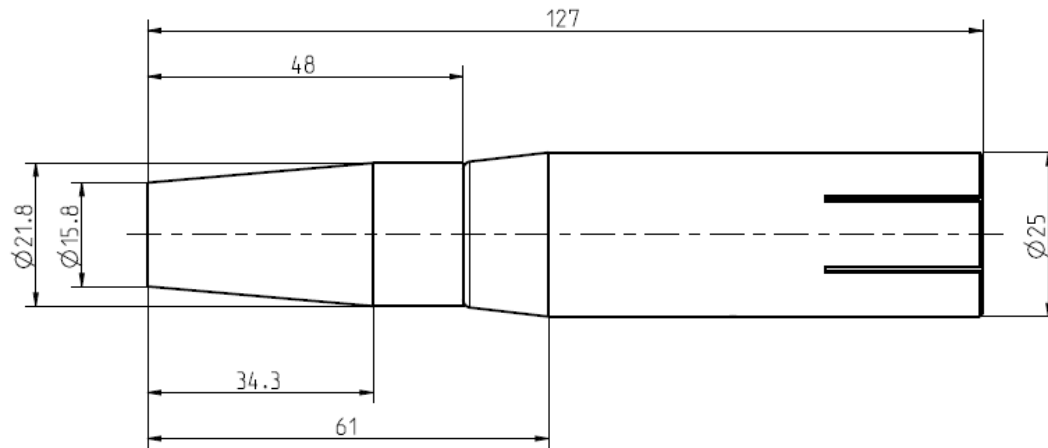
42,0001,5162 Gas nozzle
extension

42,0001,5164
Gas nozzle



Contact tip M6
L33

42,0001,5163 contact
tip adaptor



Robacta 5000 narrow gap

- **Article number:**

- 44,0350,3256 Robacta 5000 narrow gap L=341,5mm

- **Wear parts:**

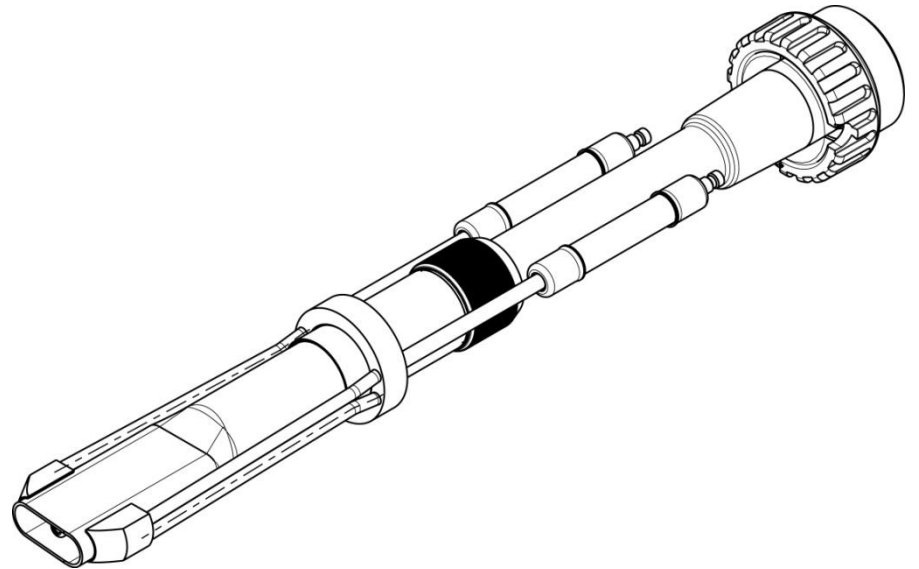
- 42,0400,0036 Cap nut M27x1,5

- 42,0001,5122 Nozzle stock M10x1,25 / SW13x32

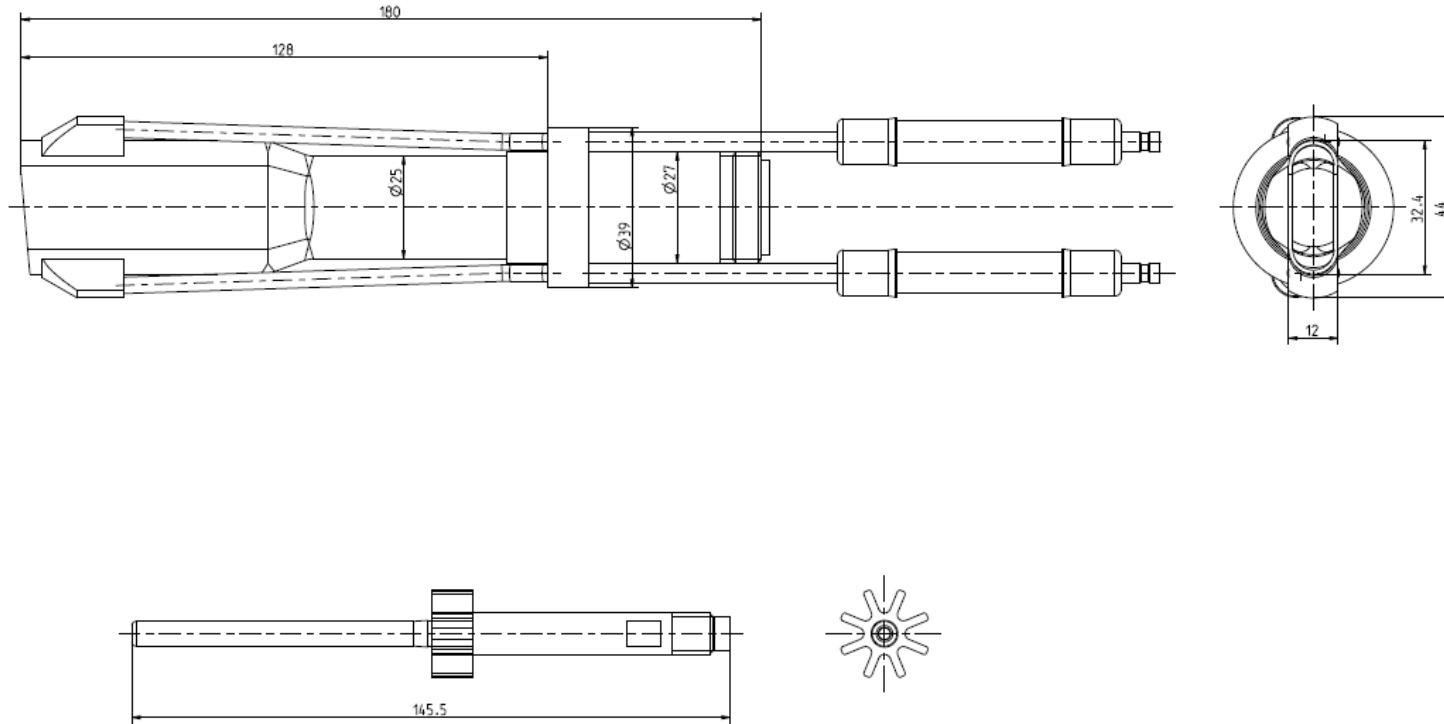
- 44,0350,3255 Contact tip ø2,4 with support ring

- 44,0350,3257 Narrow gap gas nozzle

- **Technical data:** 400A 100% duty cycle

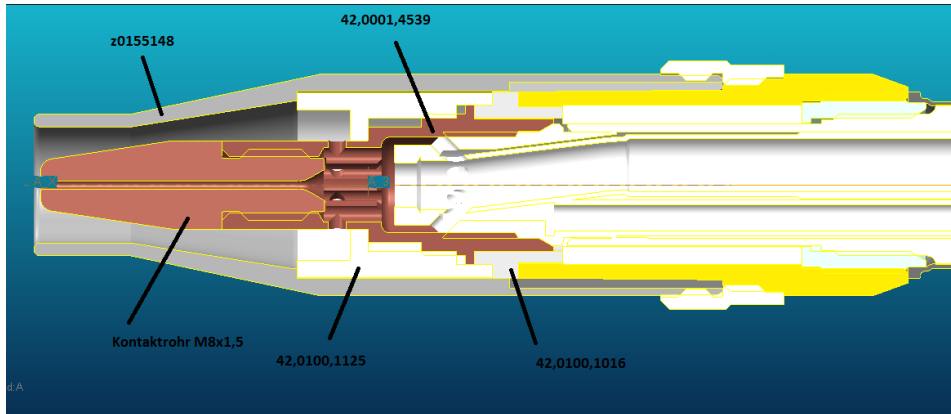


Robacta 5000 narrow gap

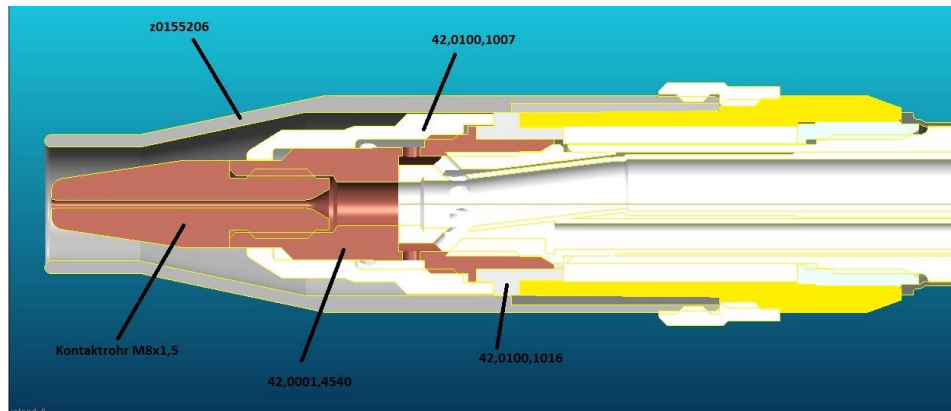


RA 5000

- 41,400,000 Gas nozzle narrow gap for RA 5000 sleeve system (z0155148)



- 41,400,000 Gas nozzle narrow gap for RA 5000 spatter guard system (z0155206)





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