

# Roth Alu-LaserPlus® PressCheck fittings

## Description

The Alu-LaserPlus® system comes with a complete range of press fittings. These fittings are made from dezincification resistant brass or PPSU. The Roth Alu-LaserPlus® fittings range is a product made in Germany for use in heating and water installations.

## Press fittings, DZR brass (dezincification-resistant)

Properties:

- › Material: Dezincification-resistant brass, category A, acc. to EN1982, EN12164
- › Corrosion: acc. to DIN 50930, ISO6509
- › Hardness: 80 HB
- › Ultimate strength: 280 N/mm<sup>2</sup>
- › Elongation at break: 10%
- › Yield strength Rp 0.2: 120 N/mm<sup>2</sup>
- › 70°C/10 bar continuous – 95°C/6 bar (max. 100 hours)
- › Not resistant to solvents
- › Propylene glycol - max. 50%

## Press fittings, PPSU (plastic)

Properties:

- › Material: Polyphenylsulphone (PPSU)
- › Tension stresses during pressure tests at 23°C: 99 MPa
- › Coefficient of linear expansion: 5.6 x 10<sup>-5</sup> m/mK
- › Impact resistance acc. to Izod at 23°C: 694 J/m
- › 70°C/10 bar continuous – 95°C/6 bar (max. 100 hours)
- › Not resistant to solvents
- › Propylene glycol - max. 50%

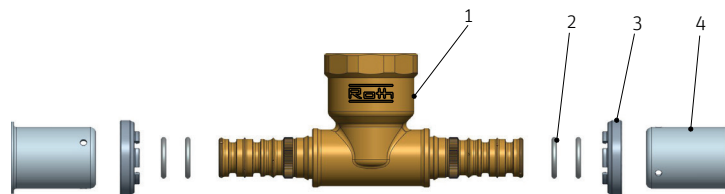


Press fittings,  
DZR brass

Press fittings,  
PPSU (plastic)

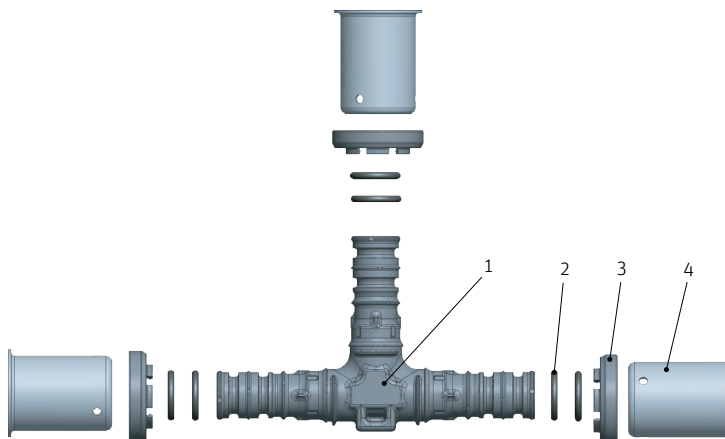
## Indicative section drawing – DZR brass design:

- 1: DZR brass
- 2: EPDM - EN681-1
- 3: POM
- 4: Stainless steel



## Indicative section drawing – PPSU design:

- 1: PPSU
- 2: EPDM - EN681-1
- 3: POM
- 4: Stainless steel



## Roth Alu-LaserPlus® PressCheck fittings

Roth PressCheck® system	16 mm	20 mm	26 mm	32 mm	40 mm	50 mm	63 mm
<b>Material type</b>							
Press fittings, PPSU (plastic)	X	X	X	X	X	X	
Press fittings, DZR brass CW511L/CC770S*	X	X	X	X	X	X	X*
<b>Fittings category</b>							
Angles 90° PPSU	X	X	X	X	X	X	
Angles 90° DZR brass							X
Transitional angles 90° DZR brass	X	X	X	X	X	X	
Angles 45° PPSU			X	X	X		
Angles 45° DZR brass						X	X
Tee pc PPSU	X	X	X	X	X	X	
Tee pc DZR brass					X	X	X
Transitions PPSU	X	X	X	X	X	X	
Transitions DZR brass			X	X	X	X	X
Thread Transitions DZR brass	X	X	X	X	X	X	X
Alu-LaserPlus® pipe dimensions ISO21003	X	X	X	X	X	X	X
<b>Press machines</b>							
Klauke mini 18V MAP2L	X	X	X	X			
Klauke 18V UAP3L	X	X	X	X	(X)	(X)	(X)
Novopress mini 12V AC0102	X	X	X	X			
Novopress 18V AC0202	X	X	X	X	(X)	(X)	(X)
Novopress 230V EC0202	X	X	X	X	(X)	(X)	(X)
REMS 14.4V & 21.6V mini battery	X	X	X	X			
REMS 14.4V & 21.6V standard battery	X	X	X	X	(X)	(X)	(X)
Press chains used (x)							

Roth Alu-LaserPlus® PressCheck is a system where pipes and fittings are combined to form a complete pipe system. Combining other makes with Roth Alu-LaserPlus® PressCheck products is not permitted or covered by the system warranty. Roth PressCheck® fittings are designed to report any leaks from the press ring itself if any item of PPSU or DZR brass fittings is not pressed. Press tools used for the Roth AluLaserPlus® PressCheck system must be calibrated and serviced regularly.

