



## **HUP**shrink

sealing, insulating, protecting



- electrical insulation
- damp protection
- mechanical protection
- repair of components
- corrosion protection



# HUPshrink

## Heat shrinkable tubes

### HAUPA Heat shrinkable tubes

Shrinking tubes are plastic tubes that rapidly contract upon exposure to heat - mostly through the injection of hot air. The object is inserted into the tube prior to heating and is therefore electrically insulated against its environment and protected from mechanical damage.

**Application:**

Heat shrinkable tubes serve as insulation and mechanical protection. Areas of application are, for instance, the repairing of components in electrical engineering or the cutting of cables. The three main electronic and electrotechnical applications of the tubes are for sealing, insulation and protection.

**Adhesive:**

The HAUPA heat shrinkable tubes HUPshrink are available with or without an adhesive lining on the inside. The tubes with an adhesive lining allow for precise work, offer robust connections and very good protection against corrosion.

**Shrink ratio:**

The basic material (plastic) used and the thickness of the wall determine how much a shrinking tube can expand. The shrink ratio gives the size of the original heat shrink tube in relation to its shrunken, final form. (Original size to (:) Final size). The higher the shrink ratio, the greater the variation in diameter that can be covered.

### Important electrical performance features:

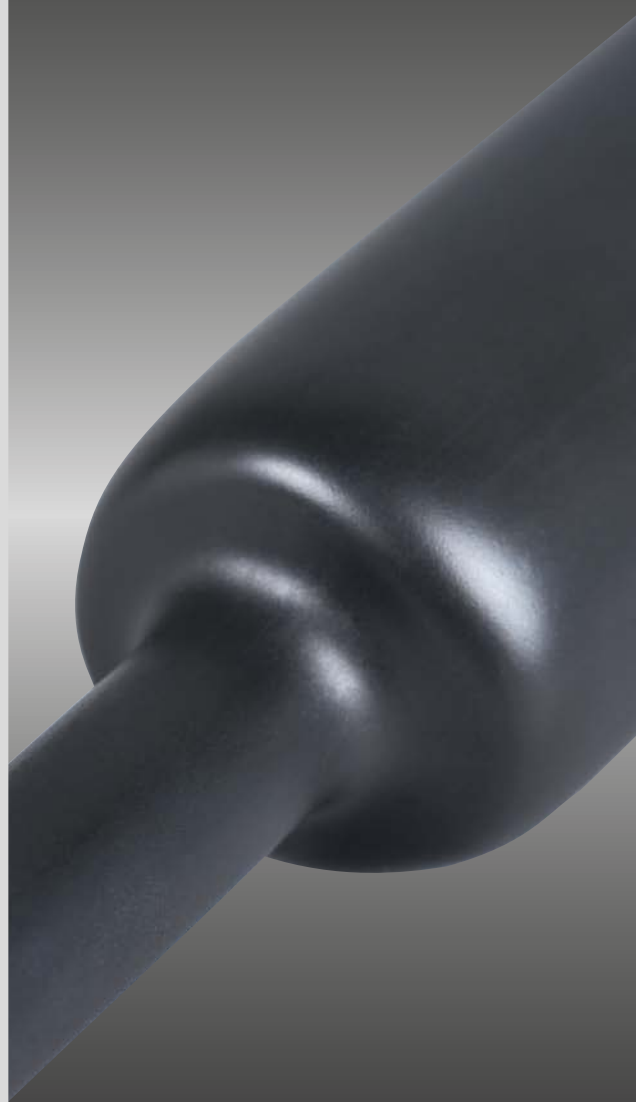
- Dielectric strength 19 kV/mm
- Specific electrical resistance  $1 \times 10^{14} \Omega/\text{cm}$

**Notes for using:**

- Cut the heat shrinkable tubes to desired length, this should be done on a smooth surface
- Conduct the shrinking on a clean, preferably dust and grease-free surface
- Start the shrink process unilaterally from one end of the tube
- Shrink temperature:
  - +70 °C - +115 °C (without adhesive lining) respectively
  - +80 °C - +115 °C (with adhesive lining)
- Optimum results when used with the matching torch brazing set (art. no. 262098).

## Legends

|                   |                                                       |  |                     |
|-------------------|-------------------------------------------------------|--|---------------------|
| <b>PU</b>         | <b>Packing unit</b>                                   |  |                     |
|                   | <b>Shrink ratio</b>                                   |  |                     |
|                   | <b>Diameter before</b>                                |  |                     |
|                   | <b>Diameter after</b>                                 |  |                     |
|                   | <b>Wall thickness before</b>                          |  |                     |
|                   | <b>Wall thickness after</b>                           |  |                     |
|                   | <b>Length</b>                                         |  |                     |
|                   | <b>Shrink ratio 2 : 1</b>                             |  |                     |
|                   | <b>Shrink ratio 3 : 1</b>                             |  |                     |
|                   | <b>Shrink ratio 4 : 1</b>                             |  |                     |
|                   | <b>Shrink temperature &gt; 70°C</b>                   |  |                     |
|                   | <b>Shrink temperature &gt; 80°C</b>                   |  |                     |
|                   | <b>Permanent usage temperature<br/>-45°C - +110°C</b> |  |                     |
|                   | <b>Permanent usage temperature<br/>-55°C - +125°C</b> |  |                     |
|                   | <b>Permanent usage temperature<br/>-55°C - +135°C</b> |  |                     |
|                   | <b>Not flammable</b>                                  |  |                     |
|                   | <b>Water-tight</b>                                    |  |                     |
|                   | <b>UV resistant</b>                                   |  |                     |
|                   | <b>with adhesive lining</b>                           |  |                     |
|                   | <b>RoHS certified</b>                                 |  |                     |
| <b>Polyolefin</b> | <b>Polyolefin</b>                                     |  |                     |
|                   | <b>white</b>                                          |  | <b>green</b>        |
|                   | <b>transparent</b>                                    |  | <b>green/yellow</b> |
|                   | <b>blue</b>                                           |  | <b>red</b>          |
|                   | <b>yellow</b>                                         |  | <b>black</b>        |



**haupa®**

**...convincing solutions**



# HUPshrink

## Sets

### Set HUPshrink21TW thin-walled 2:1

2:1

160 pieces, in plastic box

|      |      |      |      | pcs. |
|------|------|------|------|------|
| 1,5  | 0,6  | 0,20 | 0,44 | 60   |
| 2,5  | 1,0  | 0,25 | 0,44 | 35   |
| 3,0  | 1,25 | 0,25 | 0,44 | 25   |
| 5,0  | 2,25 | 0,25 | 0,56 | 20   |
| 6,0  | 2,75 | 0,28 | 0,56 | 10   |
| 10,0 | 4,75 | 0,30 | 0,56 | 10   |

| Art. no. | X:Y   | m    | inch | °C         | PU |
|----------|-------|------|------|------------|----|
| 267200   | 2 : 1 | 0,10 | 4"   | -55 - +125 | 1  |



### Set HUPshrink21TW thin-walled 2:1 coloured

2:1

160 pieces, in plastic box

| Quant. |      |      |      |      | pcs. | pcs. | pcs. | pcs. | pcs. | pcs. |
|--------|------|------|------|------|------|------|------|------|------|------|
| 60     | 1,5  | 0,6  | 0,20 | 0,44 | 10   | 10   | 10   | 10   | 10   | 10   |
| 35     | 2,5  | 1,0  | 0,25 | 0,44 | 6    | 6    | 5    | 6    | 6    | 6    |
| 25     | 3,0  | 1,25 | 0,25 | 0,44 | 4    | 4    | 4    | 4    | 4    | 5    |
| 20     | 5,0  | 2,25 | 0,25 | 0,56 | 3    | 3    | 3    | 3    | 4    | 4    |
| 10     | 6,0  | 2,75 | 0,28 | 0,56 | 2    | 2    | 1    | 1    | 2    | 2    |
| 10     | 10,0 | 4,75 | 0,30 | 0,56 | 2    | 2    | 1    | 1    | 2    | 2    |

| Art. no. | X:Y   | m    | inch | °C         | PU |
|----------|-------|------|------|------------|----|
| 267202   | 2 : 1 | 0,10 | 4"   | -55 - +125 | 1  |





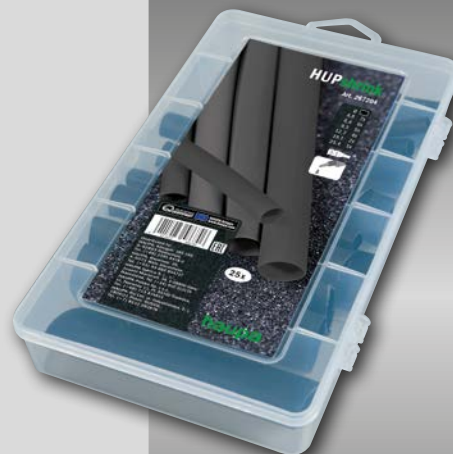
## Set HUPshrink31DW-A double-walled 3:1 with adhesive lining

3:1

25 pieces, in plastic box

|      |     |      |      | pcs. |
|------|-----|------|------|------|
| 4,8  | 1,6 | 0,35 | 1,00 | 7    |
| 6,4  | 2,0 | 0,40 | 1,00 | 6    |
| 9,5  | 3,0 | 0,50 | 1,40 | 5    |
| 12,7 | 4,0 | 0,60 | 1,70 | 4    |
| 19,1 | 6,0 | 0,70 | 2,25 | 2    |
| 25,4 | 8,0 | 0,80 | 2,54 | 1    |

| Art. no. | X:Y   | m    | inch | °C         | PU |  |
|----------|-------|------|------|------------|----|--|
| 267204   | 3 : 1 | 0,10 | 4"   | -55 - +125 | 1  |  |



## Set HUPshrink21TW thin-walled 2:1 coloured

2:1

160 pieces, in plastic box

| Quant. |      |      |      |      | pcs. | pcs. | pcs. | pcs. |
|--------|------|------|------|------|------|------|------|------|
| 60     | 1,5  | 0,6  | 0,20 | 0,44 | 10   | 10   | 20   | 20   |
| 35     | 2,5  | 1,0  | 0,25 | 0,44 | 5    | 6    | 12   | 12   |
| 25     | 3,0  | 1,25 | 0,25 | 0,44 | 4    | 4    | 7    | 10   |
| 20     | 5,0  | 2,25 | 0,25 | 0,56 | 3    | 3    | 6    | 8    |
| 10     | 6,0  | 2,75 | 0,28 | 0,56 | 1    | 2    | 3    | 4    |
| 10     | 10,0 | 4,75 | 0,30 | 0,56 | 1    | 2    | 3    | 4    |

| Art. no. | X:Y   | m    | inch | °C         | PU |  |
|----------|-------|------|------|------------|----|--|
| 267206   | 2 : 1 | 0,10 | 4"   | -55 - +125 | 1  |  |



**haupa**

...convincing solutions



# HUPshrink21TW

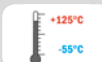
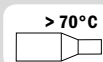
thin-walled 2:1

## HUPshrink21TW thin-walled 2:1

2:1

50 pieces, 0.1 m long packaged in a polybag

| Art. no. |                                                                                   | X:Y   |      |      |      |      | m    | °C         | PU |  |
|----------|-----------------------------------------------------------------------------------|-------|------|------|------|------|------|------------|----|--|
| 267000   |  | 2 : 1 | 2,5  | 1,0  | 0,20 | 0,44 | 0,10 | -55 - +125 | 50 |  |
| 267002   |  | 2 : 1 | 3,5  | 1,5  | 0,25 | 0,44 | 0,10 | -55 - +125 | 50 |  |
| 267004   |  | 2 : 1 | 5,0  | 2,25 | 0,25 | 0,44 | 0,10 | -55 - +125 | 50 |  |
| 267006   |  | 2 : 1 | 6,5  | 3,0  | 0,28 | 0,56 | 0,10 | -55 - +125 | 50 |  |
| 267008   |  | 2 : 1 | 9,6  | 4,5  | 0,30 | 0,56 | 0,10 | -55 - +125 | 25 |  |
| 267010   |  | 2 : 1 | 12,7 | 6,0  | 0,30 | 0,56 | 0,10 | -55 - +125 | 10 |  |
| 267012   |  | 2 : 1 | 19,0 | 9,0  | 0,40 | 0,77 | 0,10 | -55 - +125 | 10 |  |
| 267014   |  | 2 : 1 | 26,0 | 12,5 | 0,45 | 0,87 | 0,10 | -55 - +125 | 10 |  |



Polyolefin

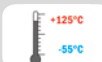
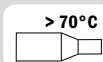


## HUPshrink21TW thin-walled 2:1 blister package

2:1

1 m length in self-service-pack

| Art. no. |                                                                                     | X:Y   |      |      |      |      | m | °C         | PU |  |
|----------|-------------------------------------------------------------------------------------|-------|------|------|------|------|---|------------|----|--|
| 262085   |  | 2 : 1 | 4,8  | 2,4  | 0,25 | 0,44 | 1 | -55 - +125 | 1  |  |
| 262086   |  | 2 : 1 | 6,4  | 3,2  | 0,28 | 0,56 | 1 | -55 - +125 | 1  |  |
| 262087   |  | 2 : 1 | 9,5  | 4,8  | 0,30 | 0,56 | 1 | -55 - +125 | 1  |  |
| 262088   |  | 2 : 1 | 12,7 | 6,4  | 0,30 | 0,56 | 1 | -55 - +125 | 1  |  |
| 262089   |  | 2 : 1 | 19,0 | 9,5  | 0,40 | 0,77 | 1 | -55 - +125 | 1  |  |
| 262090   |  | 2 : 1 | 25,4 | 12,7 | 0,45 | 0,87 | 1 | -55 - +125 | 1  |  |



Polyolefin



## HUPshrink21TW thin-walled 2:1 Box

2:1

5/10m roll in dispenser

| Art. no. |  | X:Y   |      |      |      |      | m  | °C         | PU |  |
|----------|--|-------|------|------|------|------|----|------------|----|--|
| 267016   |  | 2 : 1 | 2,5  | 1,0  | 0,20 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267018   |  | 2 : 1 | 3,5  | 1,5  | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267020   |  | 2 : 1 | 5,0  | 2,25 | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267022   |  | 2 : 1 | 6,5  | 3,0  | 0,28 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267024   |  | 2 : 1 | 9,6  | 4,5  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267026   |  | 2 : 1 | 12,7 | 6,0  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267028   |  | 2 : 1 | 19,0 | 9,0  | 0,40 | 0,77 | 5  | -55 - +125 | 1  |  |
| 267030   |  | 2 : 1 | 26,0 | 12,5 | 0,45 | 0,87 | 5  | -55 - +125 | 1  |  |
| 267032   |  | 2 : 1 | 2,5  | 1,0  | 0,20 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267034   |  | 2 : 1 | 3,5  | 1,5  | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267036   |  | 2 : 1 | 5,0  | 2,25 | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267038   |  | 2 : 1 | 6,5  | 3,0  | 0,28 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267040   |  | 2 : 1 | 9,6  | 4,5  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267042   |  | 2 : 1 | 12,7 | 6,0  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267044   |  | 2 : 1 | 19,0 | 9,0  | 0,40 | 0,77 | 5  | -55 - +125 | 1  |  |
| 267046   |  | 2 : 1 | 26,0 | 12,5 | 0,45 | 0,87 | 5  | -55 - +125 | 1  |  |
| 267132   |  | 2 : 1 | 2,5  | 1,0  | 0,20 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267134   |  | 2 : 1 | 3,5  | 1,5  | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267136   |  | 2 : 1 | 5,0  | 2,25 | 0,25 | 0,44 | 10 | -55 - +125 | 1  |  |
| 267138   |  | 2 : 1 | 6,5  | 3,0  | 0,28 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267140   |  | 2 : 1 | 9,6  | 4,5  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267142   |  | 2 : 1 | 12,7 | 6,0  | 0,30 | 0,56 | 5  | -55 - +125 | 1  |  |
| 267144   |  | 2 : 1 | 19,0 | 9,0  | 0,40 | 0,77 | 5  | -55 - +125 | 1  |  |
| 267146   |  | 2 : 1 | 26,0 | 12,5 | 0,45 | 0,87 | 5  | -55 - +125 | 1  |  |



## HUPshrink21TW thin-walled 2:1

2:1

25m roll packaged in a polybag

| Art. no. |  | X:Y   |      |      |      |      | m  | °C         | PU |  |
|----------|--|-------|------|------|------|------|----|------------|----|--|
| 267048   |  | 2 : 1 | 2,5  | 1,0  | 0,20 | 0,44 | 25 | -55 - +125 | 1  |  |
| 267050   |  | 2 : 1 | 3,5  | 1,5  | 0,25 | 0,44 | 25 | -55 - +125 | 1  |  |
| 267052   |  | 2 : 1 | 5,0  | 2,25 | 0,25 | 0,44 | 25 | -55 - +125 | 1  |  |
| 267054   |  | 2 : 1 | 6,5  | 3,0  | 0,28 | 0,56 | 25 | -55 - +125 | 1  |  |
| 267056   |  | 2 : 1 | 9,6  | 4,5  | 0,30 | 0,56 | 25 | -55 - +125 | 1  |  |
| 267058   |  | 2 : 1 | 12,7 | 6,0  | 0,30 | 0,56 | 25 | -55 - +125 | 1  |  |
| 267060   |  | 2 : 1 | 19,0 | 9,0  | 0,40 | 0,77 | 25 | -55 - +125 | 1  |  |
| 267062   |  | 2 : 1 | 26,0 | 12,5 | 0,45 | 0,87 | 25 | -55 - +125 | 1  |  |



# HUPshrink21TW

thin-walled 2:1

## HUPshrink21TW thin-walled 2:1

2:1 

1.2 m packaged in a polybag

| Art. no. |                                                                                     |  |  |  |  |  |  | °C         | PU |  |
|----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|----|--|
| 267250   |    | 2 : 1                                                                             | 1,2                                                                               | 0,6                                                                               | 0,15                                                                              | 0,25                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267252   |    | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267254   |    | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267256   |    | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267258   |    | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267260   |    | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267262   |    | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267264   |    | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267266   |   | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267268   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267272   |  | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267274   |  | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267276   |  | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267278   |  | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267280   |  | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267282   |  | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267284   |  | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267286   |  | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267288   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267292   |  | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267294   |  | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267296   |  | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267298   |  | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267300   |  | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267302   |  | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267304   |  | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267306   |  | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267308   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267312   |  | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267314   |  | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267316   |  | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267318   |  | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |





| Art. no. |                                                                                     |  |  |  |  |  |  | °C         | PU |  |
|----------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|----|--|
| 267320   |    | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267322   |    | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267324   |    | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267326   |    | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267328   |    | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267332   |    | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267334   |    | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267336   |    | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267338   |    | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267340   |    | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267342   |    | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267344   |    | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267346   |    | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267348   |    | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267352   |    | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267354   |    | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267356   |    | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267358   |    | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267360   |    | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267362   |    | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267364   |   | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267366   |  | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267368   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267372   |  | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267374   |  | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267376   |  | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267378   |  | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267380   |  | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267382   |  | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267384   |  | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267386   |  | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267388   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267392   |  | 2 : 1                                                                             | 1,6                                                                               | 0,8                                                                               | 0,20                                                                              | 0,33                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267394   |  | 2 : 1                                                                             | 2,5                                                                               | 1,0                                                                               | 0,20                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267396   |  | 2 : 1                                                                             | 3,5                                                                               | 1,5                                                                               | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267398   |  | 2 : 1                                                                             | 5,0                                                                               | 2,25                                                                              | 0,25                                                                              | 0,44                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267400   |  | 2 : 1                                                                             | 6,5                                                                               | 3,0                                                                               | 0,28                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267402   |  | 2 : 1                                                                             | 9,6                                                                               | 4,5                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267404   |  | 2 : 1                                                                             | 12,7                                                                              | 6,0                                                                               | 0,30                                                                              | 0,56                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267406   |  | 2 : 1                                                                             | 19,0                                                                              | 9,0                                                                               | 0,40                                                                              | 0,77                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |
| 267408   |  | 2 : 1                                                                             | 26,0                                                                              | 12,5                                                                              | 0,45                                                                              | 0,87                                                                              | 1,20                                                                              | -55 - +125 | 1  |  |



# HUPshrink31DW

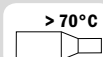
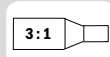
double-walled 3:1

## HUPshrink31DW double-walled 3:1

3:1

1.2 m packaged in a polybag

| Art. no. |                                                                                     | X:Y   |      |     |     |      | m    | °C         | PU |  |
|----------|-------------------------------------------------------------------------------------|-------|------|-----|-----|------|------|------------|----|--|
| 267430   |    | 3 : 1 | 3,0  | 1,0 | 1,0 | 3,0  | 1,20 | -55 - +135 | 1  |  |
| 267432   |    | 3 : 1 | 6,0  | 2,0 | 2,0 | 6,2  | 1,20 | -55 - +135 | 1  |  |
| 267434   |    | 3 : 1 | 9,0  | 3,0 | 3,0 | 9,1  | 1,20 | -55 - +135 | 1  |  |
| 267436   |    | 3 : 1 | 12,0 | 4,0 | 4,0 | 12,1 | 1,20 | -55 - +135 | 1  |  |
| 267438   |    | 3 : 1 | 18,0 | 6,0 | 6,0 | 18,0 | 1,20 | -55 - +135 | 1  |  |
| 267440   |    | 3 : 1 | 25,0 | 8,0 | 8,0 | 25,0 | 1,20 | -55 - +135 | 1  |  |
| 267442   |    | 3 : 1 | 3,0  | 1,0 | 1,0 | 3,0  | 1,20 | -55 - +135 | 1  |  |
| 267444   |    | 3 : 1 | 6,0  | 2,0 | 2,0 | 6,2  | 1,20 | -55 - +135 | 1  |  |
| 267446   |    | 3 : 1 | 9,0  | 3,0 | 3,0 | 9,1  | 1,20 | -55 - +135 | 1  |  |
| 267448   |  | 3 : 1 | 12,0 | 4,0 | 4,0 | 12,1 | 1,20 | -55 - +135 | 1  |  |
| 267450   |  | 3 : 1 | 18,0 | 6,0 | 6,0 | 18,0 | 1,20 | -55 - +135 | 1  |  |
| 267452   |  | 3 : 1 | 25,0 | 8,0 | 8,0 | 25,0 | 1,20 | -55 - +135 | 1  |  |



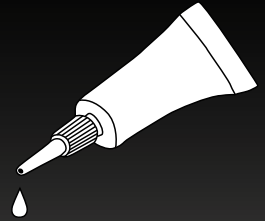
Polyolefin

RoHS



# HUPshrink31MW-A / 41MW-A

with adhesive lining | medium-walled 3:1, 4:1



## HUPshrink31MW-A | HUPshrink41MW-A medium-walled 3:1, 4:1 with adhesive lining

3:1

4:1

1.2 m packaged in a polybag

| Art. no. |                                                                                     | X:Y |  |  |  |  | m          | °C | PU |  |
|----------|-------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|----|----|--|
| 267102   |    | 4:1 | 8,0                                                                               | 2,0                                                                               | 1,7                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267104   |    | 4:1 | 12,0                                                                              | 3,0                                                                               | 1,8                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267106   |    | 4:1 | 22,0                                                                              | 6,0                                                                               | 2,2                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267108   |    | 4:1 | 33,0                                                                              | 8,0                                                                               | 2,5                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267118   |    | 4:1 | 95,0                                                                              | 25,0                                                                              | 3,0                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267110   |    | 3:1 | 40,0                                                                              | 12,0                                                                              | 2,5                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267112   |   | 3:1 | 55,0                                                                              | 16,0                                                                              | 2,7                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267114   |  | 3:1 | 65,0                                                                              | 19,0                                                                              | 2,8                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267116   |  | 3:1 | 75,0                                                                              | 22,0                                                                              | 3,0                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |
| 267120   |  | 3:1 | 115,0                                                                             | 34,0                                                                              | 3,5                                                                               | 1,20                                                                              | -45 - +110 | 1  |    |  |

3:1

4:1

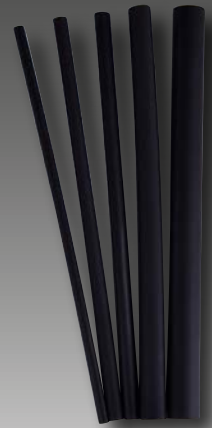
> 80°C

+110°C  
-45°C



Polyolefin

RoHS

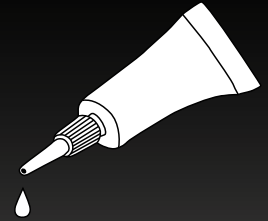


**haupa**

...convincing solutions

# HUPshrink31DW-A / 41DW-A

with adhesive lining | double-walled 3:1, 4:1



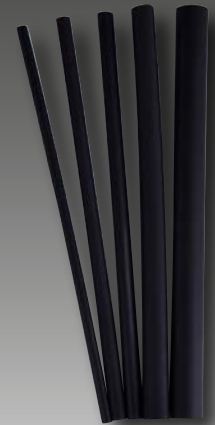
## HUPshrink31DW-A | 41DW-A double-walled 3:1, 4:1 with adhesive lining

3:1

4:1

1.2 packaged in a polybag

| Art. no. |  | X:Y   |      |      |      |      | m    | °C         | PU |  |
|----------|--|-------|------|------|------|------|------|------------|----|--|
| 267064   |  | 3 : 1 | 3,2  | 1,0  | 0,35 | 1,00 | 1,20 | -45 - +110 | 1  |  |
| 267066   |  | 3 : 1 | 4,8  | 1,6  | 0,35 | 1,00 | 1,20 | -45 - +110 | 1  |  |
| 267068   |  | 3 : 1 | 6,4  | 2,0  | 0,40 | 1,00 | 1,20 | -45 - +110 | 1  |  |
| 267070   |  | 3 : 1 | 9,5  | 3,0  | 0,50 | 1,40 | 1,20 | -45 - +110 | 1  |  |
| 267074   |  | 3 : 1 | 12,7 | 4,0  | 0,60 | 1,70 | 1,20 | -45 - +110 | 1  |  |
| 267078   |  | 3 : 1 | 19,1 | 6,0  | 0,70 | 2,25 | 1,20 | -45 - +110 | 1  |  |
| 267080   |  | 3 : 1 | 24,5 | 8,0  | 0,80 | 2,54 | 1,20 | -45 - +110 | 1  |  |
| 267084   |  | 3 : 1 | 38,1 | 13,0 | 0,80 | 2,54 | 1,20 | -45 - +110 | 1  |  |
| 267088   |  | 4 : 1 | 52,0 | 13,0 | 0,70 | 2,54 | 1,20 | -45 - +110 | 1  |  |



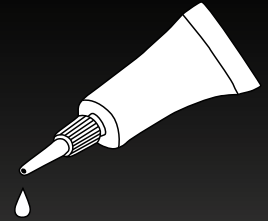
## HUPshrink31DW-A double-walled 3:1 with adhesive lining Box

3:1

5/10m roll in dispenser

| Art. no. |  | X:Y   |     |     |      |      | m  | °C         | PU |  |
|----------|--|-------|-----|-----|------|------|----|------------|----|--|
| 267090   |  | 3 : 1 | 3,0 | 1,0 | 0,35 | 1,00 | 10 | -45 - +110 | 1  |  |
| 267092   |  | 3 : 1 | 6,4 | 2,0 | 0,40 | 1,00 | 5  | -45 - +110 | 1  |  |
| 267094   |  | 3 : 1 | 9,0 | 3,0 | 0,50 | 1,40 | 5  | -45 - +110 | 1  |  |





## HUPshrink31DW-A double-walled 3:1 with adhesive lining

3:1

5m roll packaged in a polybag

| Art. no. |   | X:Y   |      |     |      |      | m | °C         | PU |  |
|----------|---|-------|------|-----|------|------|---|------------|----|--|
| 267096   | ■ | 3 : 1 | 12,0 | 4,0 | 0,60 | 1,70 | 5 | -45 - +110 | 1  |  |
| 267098   | ■ | 3 : 1 | 19,0 | 6,0 | 0,70 | 2,25 | 5 | -45 - +110 | 1  |  |
| 267100   | ■ | 3 : 1 | 24,0 | 8,0 | 0,80 | 2,54 | 5 | -45 - +110 | 1  |  |



## HUPshrink41DW-A double-walled 4:1 with adhesive lining

4:1

1.2 m packaged in a polybag

| Art. no. |   | X:Y   |      |      |      |      | m    | °C         | PU |  |
|----------|---|-------|------|------|------|------|------|------------|----|--|
| 267460   | ■ | 4 : 1 | 4,0  | 1,0  | 0,40 | 1,00 | 1,20 | -45 - +110 | 1  |  |
| 267462   | ■ | 4 : 1 | 8,0  | 2,0  | 0,45 | 1,00 | 1,20 | -45 - +110 | 1  |  |
| 267464   | ■ | 4 : 1 | 12,0 | 3,0  | 0,45 | 1,40 | 1,20 | -45 - +110 | 1  |  |
| 267466   | ■ | 4 : 1 | 16,0 | 4,0  | 0,55 | 1,70 | 1,20 | -45 - +110 | 1  |  |
| 267468   | ■ | 4 : 1 | 24,0 | 6,0  | 0,70 | 2,25 | 1,20 | -45 - +110 | 1  |  |
| 267470   | ■ | 4 : 1 | 32,0 | 8,0  | 0,70 | 2,54 | 1,20 | -45 - +110 | 1  |  |
| 267472   | ■ | 4 : 1 | 52,0 | 13,0 | 0,70 | 2,54 | 1,20 | -45 - +110 | 1  |  |



**haupa**

...convincing solutions

# Accessories

## Torch brazing set

### Torch brazing set SolderingKit

12-pieces, for pocket lighter butane gas, for operation without disruptive cables, where electrical power is impossible, replaceable attachments for heat shrinking work, micro-welding and cutting plastic film and panels, with Piezo ignition, heating time: +/- 25 seconds (peak), performance can be infinitely regulated, temperatures with naked flame up to bis 1200 °C, brazing up to 550 °C, heat shrinking up to 680 °C, burn time approximately 60 minutes, in black plastic case.

#### Contents:

|                                                                                | Art. no.  |
|--------------------------------------------------------------------------------|-----------|
| • Torch brazing piston                                                         | 262099    |
| • Sealing cap                                                                  | 262099/1  |
| • Solder dispenser                                                             | 262098/1  |
| • Flame nozzle 3.5 mm ø for micro-welding                                      | 262098/2  |
| • Hot knife 12.5 mm blade width for cutting and shaping plastic and hard foams | 262098/3  |
| • Solder tip 3 mm, angled on one side (ellipsis shaped)                        | 262098/4  |
| • Solder tip 3.5 mm angled on both sides (chisel shaped)                       | 262098/5  |
| • Heat reflector for heat shrinking                                            | 262098/6  |
| • Wrench 7 mm for mounting solder tip                                          | 262098/7  |
| • Wrench 8 mm for mounting solder tip                                          | 262098/8  |
| • Cleaning sponge with sponge case 40 x 40 mm                                  | 262098/9  |
| • Solder tip with pencil tip                                                   | 262098/10 |

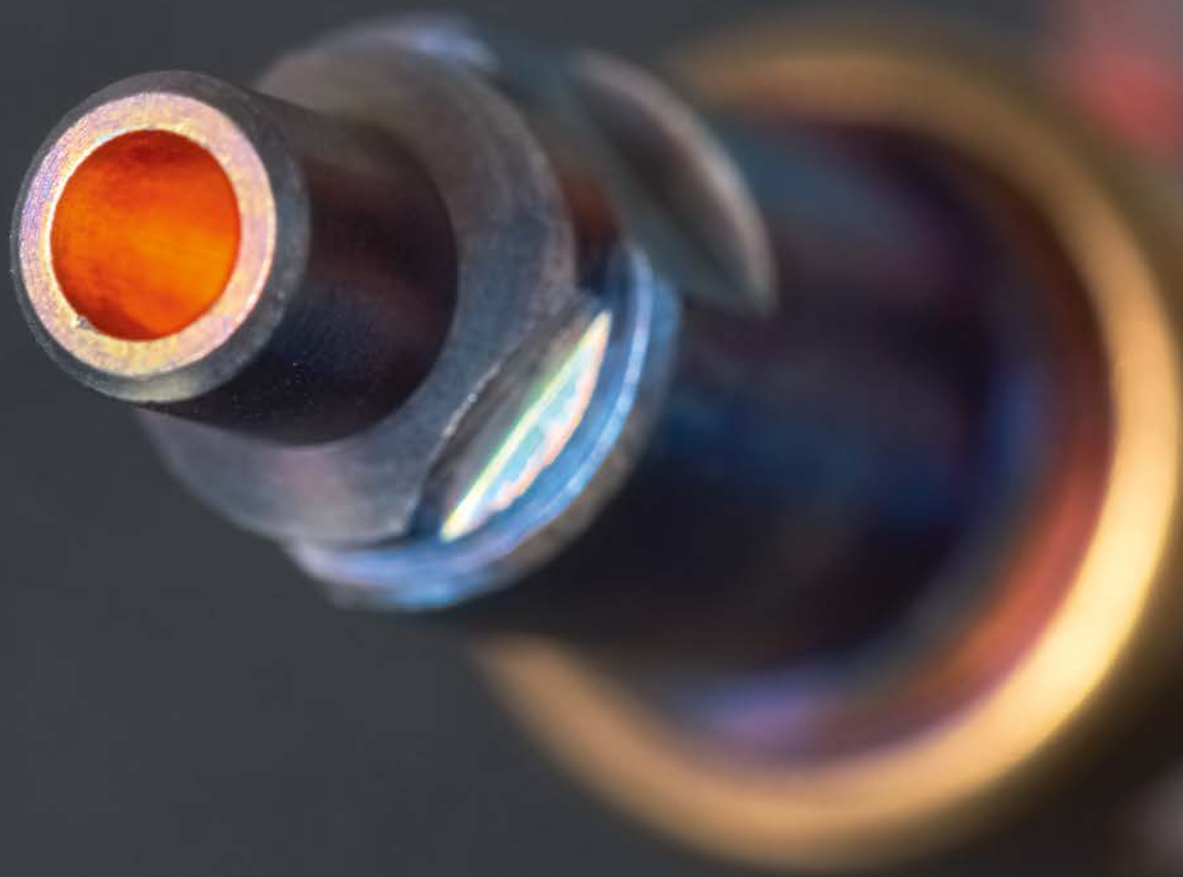


Video 262098



| Art. no. |                | Power     | max. temperature | max. operating time | Gas content | PU |  |
|----------|----------------|-----------|------------------|---------------------|-------------|----|--|
| 262098   | 275 x 160 x 45 | 10 - 60 W | 1200 °C          | 90 min.             | 17 ml       | 1  |  |







#### QR codes:

This catalogue contains QR codes which ensure more transparent communication of additional information via video or similar media content.



**HAUPA-Group**  
[www.haupa.com](http://www.haupa.com)

Your electric wholesaler:

Company stamp

**haupa**<sup>®</sup>

**... convincing solutions**

HAUPA GmbH & Co. KG, Königstraße 165-169, D-42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418840, E-Mail: [sales@haupa.com](mailto:sales@haupa.com).  
Prices on request. Errors and technical changes reserved.