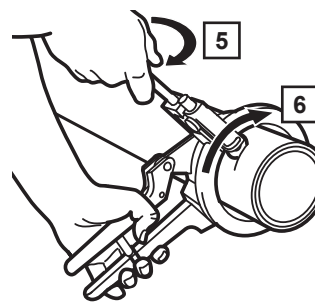
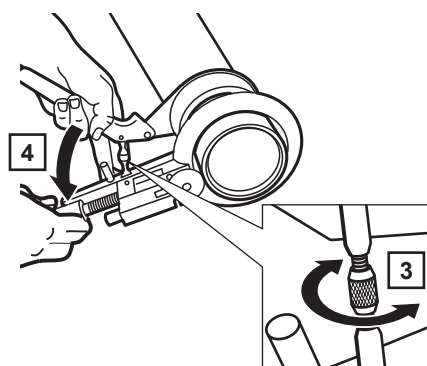
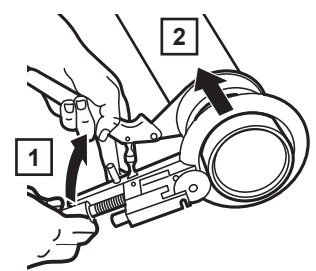
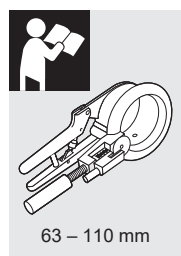
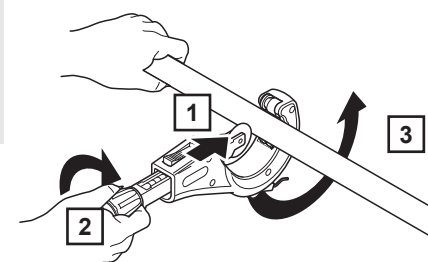
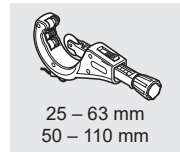
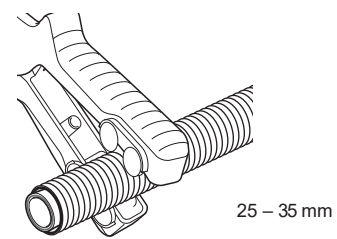
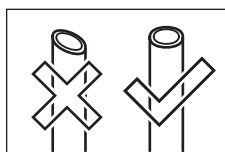
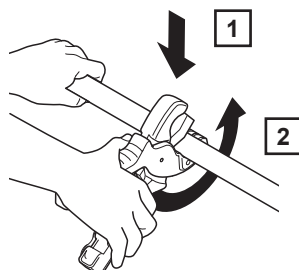
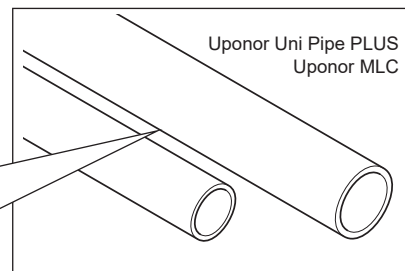
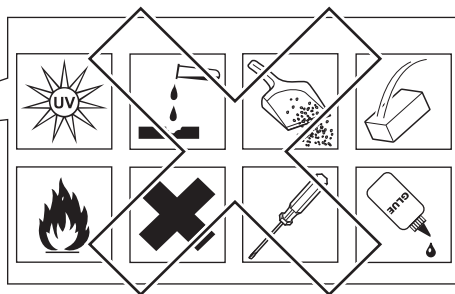
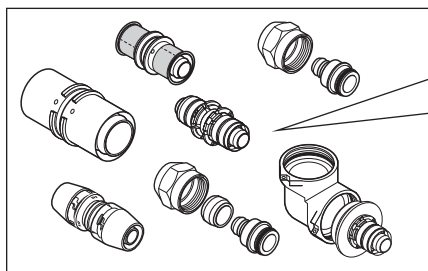
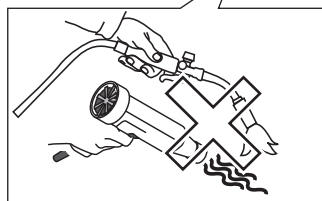
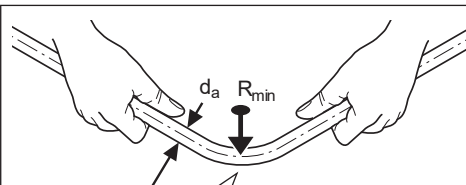


## Uponor Uni Pipe PLUS 16–32 mm, Uponor MLC 40–110 mm

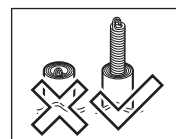




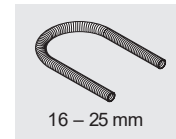
| $d_a$ [mm] | $R_{min}$ [mm] |     |
|------------|----------------|-----|
| 16         | 64             | 64  |
| 20         | 80             | 80  |
| 25         | 125            | 125 |
| 32         | 160            | –   |



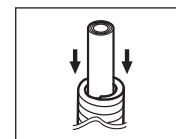
16 – 32 mm



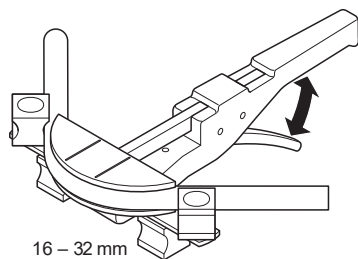
| $d_a$ [mm] | $R_{min}$ [mm] |    |
|------------|----------------|----|
| 16         | 48             | 48 |
| 20         | 60             | 60 |
| 25         | 75             | 75 |
| 32         | 96             | –  |



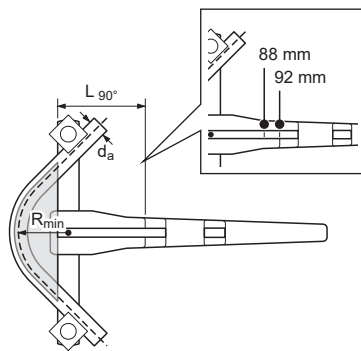
16 – 25 mm



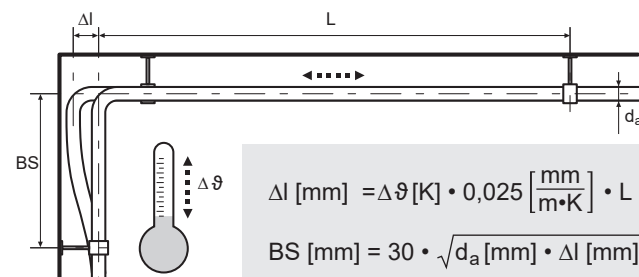
| $d_a$ [mm] | $R_{min}$ [mm] |    |
|------------|----------------|----|
| 16         | 48             | 48 |
| 20         | 60             | 60 |
| 25         | 75             | 75 |



16 – 32 mm

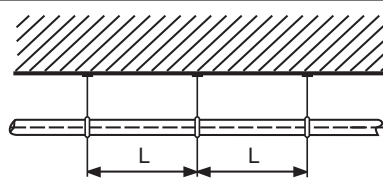


| $d_a$ [mm] | $R_{min}$ [mm] | $L_{90^\circ}$ [mm] |
|------------|----------------|---------------------|
| 16         | 32             | 32                  |
| 20         | 40             | 40                  |
| 25         | 62,5           | 62,5                |
| 32         | 80             | 80                  |

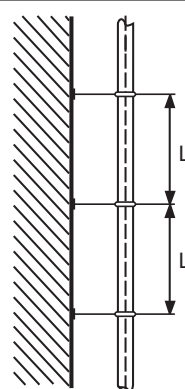


$$\Delta l \text{ [mm]} = \Delta \vartheta \text{ [K]} \cdot 0,025 \left[ \frac{\text{mm}}{\text{m} \cdot \text{K}} \right] \cdot L \text{ [m]}$$

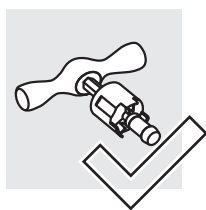
$$BS \text{ [mm]} = 30 \cdot \sqrt{d_a \text{ [mm]} \cdot \Delta l \text{ [mm]}}$$



| Dim. [mm] | $L_{max}$ [m] |      |
|-----------|---------------|------|
| 16 x 2,0  | 1,20          | 2,00 |
| 20 x 2,25 | 1,30          | 2,30 |
| 25 x 2,5  | 1,50          | 2,60 |
| 32 x 3,0  | 1,60          | 2,60 |

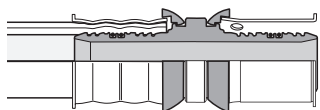


| Dim. [mm] | $L_{max}$ [m] |      |
|-----------|---------------|------|
| 16 x 2,0  | –             | 2,30 |
| 20 x 2,25 | –             | 2,60 |
| 25 x 2,5  | –             | 3,00 |
| 32 x 3,0  | –             | 3,00 |

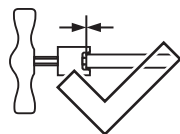


optional

16 – 32 mm



S-Press PLUS  
S-Press PLUS PPSU

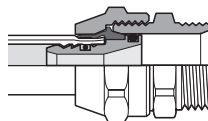


16 – 32 mm

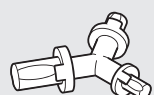
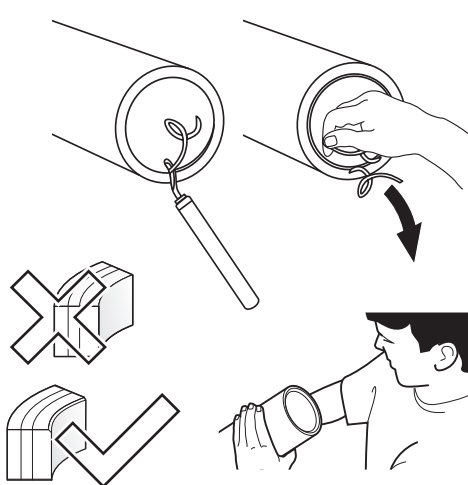


S-Press

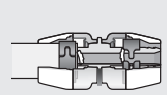
16 – 25 mm



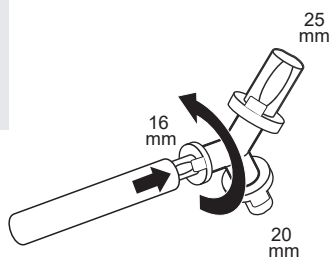
40 – 110 mm



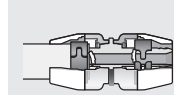
16 – 25 mm



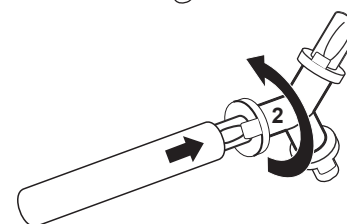
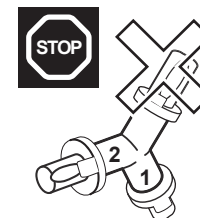
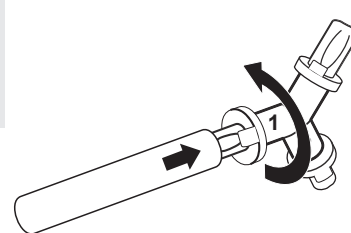
RTM



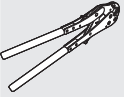
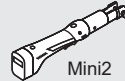
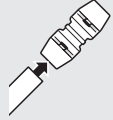
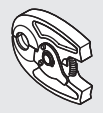
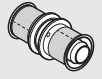
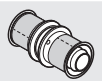
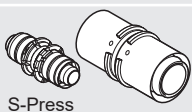
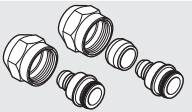
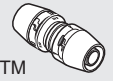
32 mm

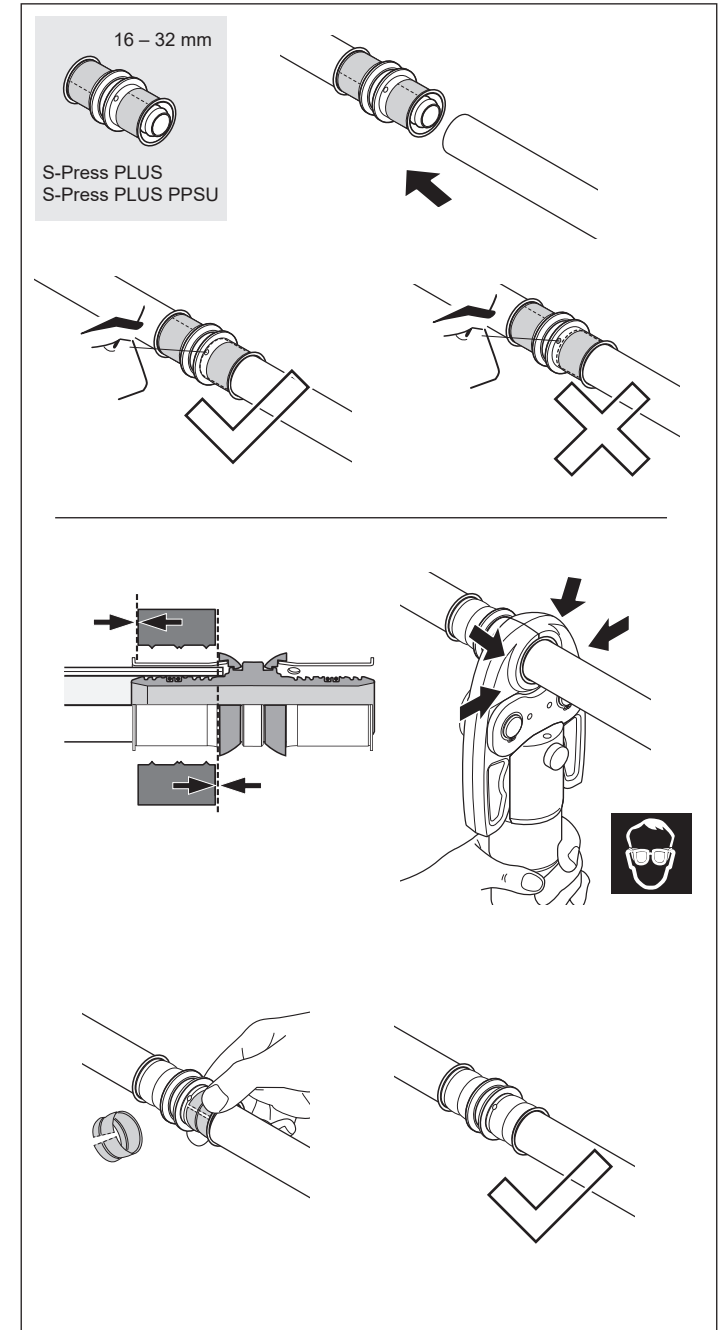


RTM

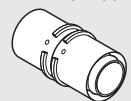




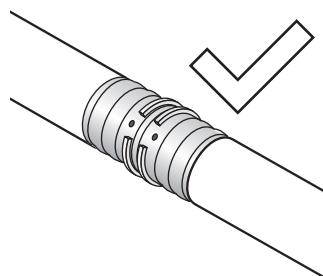
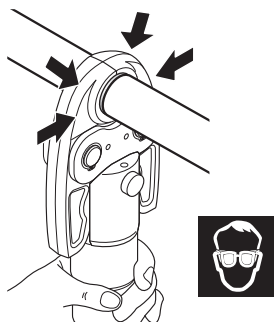
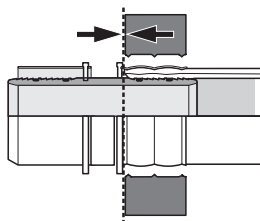
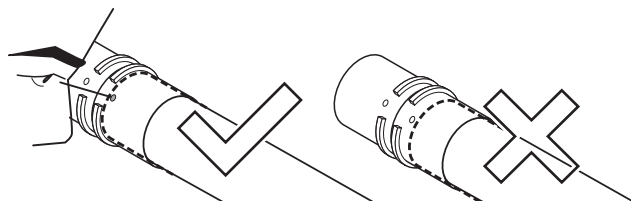
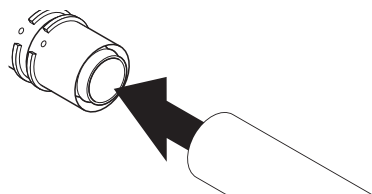
|                                                                                                        |  | UP110<br>UP75<br> |             | UP75 EL                                                                                       | Mini2<br>Mini<br> |  |  |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                        |  | UPP1<br>          | UPP1<br>    |              |                   |                                                                                     |                                                                                     |
| <br>S-Press PLUS      | 16 – 20                                                                           | 16 – 32                                                                                            | –                                                                                            | –                                                                                             | 16 – 32                                                                                              | –                                                                                   | –                                                                                   |
| <br>S-Press PLUS PPSU | 16 – 20                                                                           | 16 – 32                                                                                            | –                                                                                            | –                                                                                             | 16 – 32                                                                                              | –                                                                                   | –                                                                                   |
| <br>S-Press           | 16 – 20                                                                           | 16 – 32                                                                                            | 40 – 50                                                                                      | 63 – 75                                                                                       | 16 – 32                                                                                              | –                                                                                   | –                                                                                   |
| <br>S-Press PPSU      | –                                                                                 | –                                                                                                  | 40 – 50                                                                                      | 63 – 75                                                                                       | –                                                                                                    | –                                                                                   | –                                                                                   |
| <br>RTM               | –                                                                                 | <br>16-32         | <br>40 – 50 | <br>63 – 110 | <br>16 – 20       | –                                                                                   | –                                                                                   |
|                      | –                                                                                 | –                                                                                                  | –                                                                                            | –                                                                                             | –                                                                                                    | 16 – 25                                                                             | –                                                                                   |
| <br>RTM             | –                                                                                 | –                                                                                                  | –                                                                                            | –                                                                                             | –                                                                                                    | –                                                                                   | 16 – 32                                                                             |



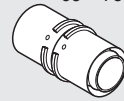
40 – 50 mm



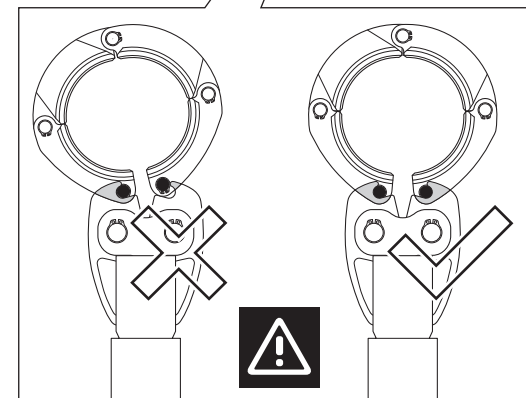
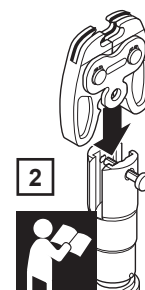
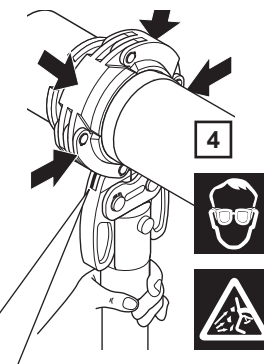
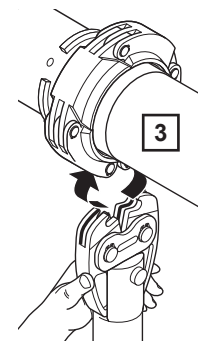
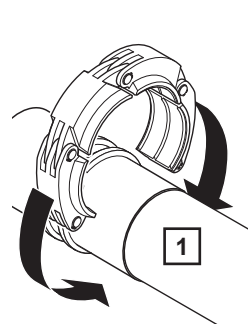
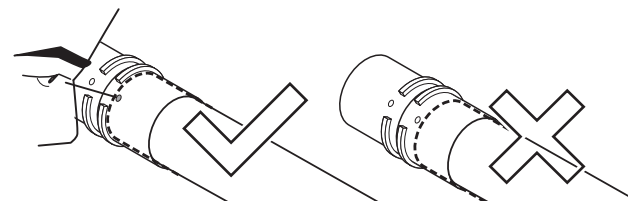
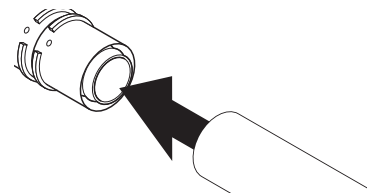
S-Press  
S-Press PPSU



63 – 75 mm



S-Press PPSU



63 – 110 mm  
RS

