

## VSH XPress Copper straight union (press x male thread)



group: S69 category: fittingen product line: VSH XPress Copper

The VSH XPress S69 is a gunmetal straight union connector with a press and a male thread end. By using VSH XPress in your piping installation you can install in a quick, easy and clean way. VSH XPress provides a complete piping system suitable for every conceivable application. insert stop: stop edge for pipe end provided with all relevant approvals Leak Before Pressed-function clear identification on fitting of material and dimension Union couplings should be combined with male threaded counterparts with appropriate support for the seal. check the quality and integrity of the flat sealing. Sealing and support flats must be clean and free of indentations mount the union on the male thread until hand tight apply 1/8 to 1/4 turn, using a matching spanner. Over-turning might cause damage to the sealing ring

### applications

potable water, heating, cooling,  
compressed air, vacuum

### segments

residential , shipbuilding , industry  
, commercial building

### approvals

QB (CSTBat) , DVGW Wasser ,  
KIWA , SINTEF , DNV-GL , ÖVGW  
Wasser , RISE , WRAS , ÜA , ATG ,  
BSI Kitemark

### assortment

| item number | size       | weight  | dimensions   | packaging   | gtin           |
|-------------|------------|---------|--------------|-------------|----------------|
| 38808       | 12xR1/2"   | 0.12 kg | 21x31x59 mm  | bag (5 pce) | 05022050204875 |
| 38813       | 15xR1/2"   | 0.13 kg | 30x30x60 mm  | bag (5 pce) | 05022050014832 |
| 38809       | 15xR3/4"   | 0.15 kg | 27x35x65 mm  | bag (5 pce) | 05022050191922 |
| 38810       | 18xR1/2"   | 0.13 kg | 33x33x67 mm  | bag (5 pce) | 05022050204936 |
| 38811       | 18xR3/4"   | 0.15 kg | 35x35x70 mm  | bag (5 pce) | 05022050204981 |
| 38812       | 22xR1/2"   | 0.2 kg  | 31x37x75 mm  | bag (5 pce) | 05022050192844 |
| 38814       | 22xR3/4"   | 0.21 kg | 40x40x75 mm  | bag (5 pce) | 05022050014849 |
| 38815       | 22xR1"     | 0.26 kg | 38x40x77 mm  | bag (5 pce) | 05022050193766 |
| 38820       | 28xR3/4"   | 0.33 kg | 50x50x65 mm  | bag (5 pce) | 05022050264176 |
| 38816       | 28xR1"     | 0.33 kg | 45x45x75 mm  | bag (5 pce) | 05022050014856 |
| 38817       | 35xR1 1/4" | 0.41 kg | 55x55x80 mm  | bag (5 pce) | 05022050014863 |
| 38818       | 42xR1 1/2" | 0.59 kg | 55x55x85 mm  | bag (1 pce) | 05022050388186 |
| 38819       | 54xR2"     | 0.89 kg | 80x80x100 mm | bag (1 pce) | 05022050388193 |

## specifications - product info

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| item                  | VSH XPress Copper straight union (press x male thread) |
| item number with gtin | S69                                                    |
| manufacturer          | Aalberts integrated piping systems B.V. (VSH)          |
| weight                | 0.89 kg                                                |
| dimensions            | 80x80x100 mm                                           |

## specifications - technical

|                               |        |
|-------------------------------|--------|
| max operating pressure liquid | 16 bar |
| min. medium temperature       | -20 °C |
| max medium temperature        | 110 °C |
| peak medium temperature       | 135 °C |

## dimensions

| item number | size     | d1   | DN1  | l1 | z1 | slw1 | d2   | DN2            | l2 | z2 | slw2 |
|-------------|----------|------|------|----|----|------|------|----------------|----|----|------|
| 38808       | 12xR1/2" | 12.0 | DN10 | 22 | 5  | 27   | 21.3 | 1/2"<br>(DN15) | 32 | 23 | 25   |
| 38813       | 15xR1/2" | 15.0 | DN12 | 30 | 10 | 30   | 21.3 | 1/2"<br>(DN15) | 32 | 24 | 25   |
| 38809       | 15xR3/4" | 15.0 | DN12 | 25 | 5  | 30   | 26.9 | 3/4"<br>(DN20) | 33 | 23 | 25   |
| 38810       | 18xR1/2" | 18.0 | DN15 | 28 | 8  | 30   | 21.3 | 1/2"<br>(DN15) | 31 | 23 | 25   |

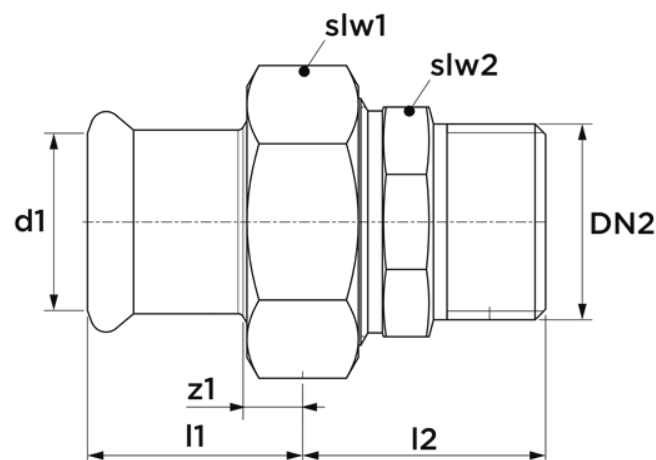
## specifications - characteristics

|                      |                                               |
|----------------------|-----------------------------------------------|
| color                | copper                                        |
| materials            | bronze (EN CC499K)                            |
| finishing            | none                                          |
| shape                | straight, reducer                             |
| connection type      | press (M), R - male thread gas conical (BSPT) |
| pressure rating (PN) | PN 16                                         |
| sealing              | EPDM                                          |

## specifications - general

|               |                                      |
|---------------|--------------------------------------|
| product group | fittings (unions)                    |
| ETIM class    | EC003024 Fitting with 2 connections  |
| HS code       | 74122000                             |
| brand         | VSH                                  |
| series        | XPress Copper                        |
| product type  | 6331G                                |
| scip          | 966cd6bc-74ae-47a8-951b-016935a13ff8 |

| item number | size          | d1   | DN1  | l1 | z1 | slw1 | d2   | DN2                 | l2 | z2 | slw2 |
|-------------|---------------|------|------|----|----|------|------|---------------------|----|----|------|
| 38811       | 18xR3/4"      | 18.0 | DN15 | 28 | 8  | 30   | 26.9 | 3/4"<br>(DN20)      | 33 | 24 | 25   |
| 38812       | 22xR1/2"      | 22.0 | DN20 | 29 | 8  | 36   | 21.3 | 1/2"<br>(DN15)      | 37 | 28 | 32   |
| 38814       | 22xR3/4"      | 22.0 | DN20 | 36 | 15 | 36   | 26.9 | 3/4"<br>(DN20)      | 38 | 28 | 32   |
| 38815       | 22xR1"        | 22.0 | DN20 | 29 | 8  | 36   | 33.7 | 1"<br>(DN25)        | 39 | 28 | 32   |
| 38820       | 28xR3/4"      | 28.0 | DN25 | 36 | 13 | 46   | 26.9 | 3/4"<br>(DN20)      | 39 | 30 | 40   |
| 38816       | 28xR1"        | 28.0 | DN25 | 36 | 13 | 46   | 33.7 | 1"<br>(DN25)        | 40 | 30 | 40   |
| 38817       | 35xR1<br>1/4" | 35.0 | DN32 | 36 | 10 | 52   | 42.4 | 1<br>1/4"<br>(DN32) | 43 | 24 | 46   |
| 38818       | 42xR1<br>1/2" | 42.0 | DN40 | 44 | 14 | 58   | 48.3 | 1<br>1/2"<br>(DN40) | 44 | 31 | 51   |
| 38819       | 54xR2"        | 54.0 | DN50 | 52 | 17 | 75   | 60.3 | 2"<br>(DN50)        | 49 | 33 | 65   |



| item number | carbon footprint (A1-A3) cradle-to-gate | carbon footprint (A-C) embodied carbon | carbon footprint (A-D) cradle-to-cradle | data source |
|-------------|-----------------------------------------|----------------------------------------|-----------------------------------------|-------------|
| 38808       | 0.37kgCO <sub>2</sub> e                 | 0.43kgCO <sub>2</sub> e                | 0.22kgCO <sub>2</sub> e                 | EPD         |
| 38813       | 0.43kgCO <sub>2</sub> e                 | 0.49kgCO <sub>2</sub> e                | 0.26kgCO <sub>2</sub> e                 | EPD         |
| 38809       | 0.43kgCO <sub>2</sub> e                 | 0.5kgCO <sub>2</sub> e                 | 0.26kgCO <sub>2</sub> e                 | EPD         |
| 38810       | 0.47kgCO <sub>2</sub> e                 | 0.55kgCO <sub>2</sub> e                | 0.28kgCO <sub>2</sub> e                 | EPD         |
| 38811       | 0.49kgCO <sub>2</sub> e                 | 0.57kgCO <sub>2</sub> e                | 0.29kgCO <sub>2</sub> e                 | EPD         |
| 38812       | 0.63kgCO <sub>2</sub> e                 | 0.72kgCO <sub>2</sub> e                | 0.37kgCO <sub>2</sub> e                 | EPD         |
| 38814       | 0.69kgCO <sub>2</sub> e                 | 0.79kgCO <sub>2</sub> e                | 0.41kgCO <sub>2</sub> e                 | EPD         |
| 38815       | 0.71kgCO <sub>2</sub> e                 | 0.81kgCO <sub>2</sub> e                | 0.42kgCO <sub>2</sub> e                 | EPD         |
| 38820       | 0.99kgCO <sub>2</sub> e                 | 1.14kgCO <sub>2</sub> e                | 0.59kgCO <sub>2</sub> e                 | EPD         |
| 38816       | 0.91kgCO <sub>2</sub> e                 | 1.05kgCO <sub>2</sub> e                | 0.54kgCO <sub>2</sub> e                 | EPD         |
| 38817       | 1.84kgCO <sub>2</sub> e                 | 2.09kgCO <sub>2</sub> e                | 1.31kgCO <sub>2</sub> e                 | EPD         |
| 38818       | 2.42kgCO <sub>2</sub> e                 | 2.75kgCO <sub>2</sub> e                | 1.73kgCO <sub>2</sub> e                 | EPD         |
| 38819       | 3.82kgCO <sub>2</sub> e                 | 4.34kgCO <sub>2</sub> e                | 2.73kgCO <sub>2</sub> e                 | EPD         |

## downloads

⬇ 6331G - png

⬇ Diagram - png

⬇ MSDS\_VSH\_XPress\_Copper - pdf