



## Grooved Products | Grooved Fittings | Eccentric Reducer | VK-ER



## SPECIFICATIONS

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Sizes (Nominal)  | 3" x 2" to 10" x 8"<br>DN80 x DN50 to DN250 x DN200                                 |
| Approvals*       |                                                                                     |
| Working pressure | 20.7 bar (300 psi) to 27.6 bar (400 psi)<br>(depending on size and approval)        |
| Material         | Ductile cast iron, ASTM A536 Grade 65-45-12                                         |
| Finish           | <ul style="list-style-type: none"> <li>Painted red**</li> <li>Galvanised</li> </ul> |
| Application      | Water based fire-suppression systems                                                |
| Installation     | Refer to "Installation Manual"                                                      |
| Maintenance      | Visual check                                                                        |

\* Refer to table below for full approval listings

\*\* Red epoxy available on request

## Part numbers &amp; technical data | VK-ER

| Nominal size      |           | Pipe OD<br>(mm) | Part number   |               | Approvals |    | Max. working pressure<br>(psi / bar) |            |
|-------------------|-----------|-----------------|---------------|---------------|-----------|----|--------------------------------------|------------|
| Inch              | DN        |                 | Painted red   | Galvanised    | UL        | FM | UL                                   | FM         |
| 3 x 2             | 80 x 50   | 88.9 x 60.3     | VK-ER-089060P | VK-ER-089060G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 3 x 2-1/2         | 80 x 65   | 88.9 x 73.0     | VK-ER-089073P | VK-ER-089073G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 3 x 3OD           | 80 x 65   | 88.9 x 76.1     | VK-ER-089076P | VK-ER-089076G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 4 x 2             | 100 x 50  | 114.3 x 60.3    | VK-ER-114060P | VK-ER-114060G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 4 x 2-1/2         | 100 x 65  | 114.3 x 73.0    | VK-ER-114073P | VK-ER-114073G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 4 x 3OD           | 100 x 65  | 114.3 x 76.1    | VK-ER-114076P | VK-ER-114076G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 4 x 3             | 100 x 80  | 114.3 x 88.9    | VK-ER-114089P | VK-ER-114089G | ■         | ■  | 400 / 27.6                           | 300 / 20.7 |
| 5-1/2OD x 3OD     | 125 x 65  | 139.7 x 76.1    | VK-ER-139076P | VK-ER-139076G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 5-1/2OD x 3       | 125 x 80  | 139.7 x 88.9    | VK-ER-139089P | VK-ER-139089G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 5-1/2OD x 4       | 125 x 100 | 139.7 x 114.3   | VK-ER-139114P | VK-ER-139114G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/4OD x 2       | 150 x 50  | 159.0 x 60.3    | VK-ER-159060P | VK-ER-159060G | ■         | -  | 300 / 20.7                           | -          |
| 6-1/4OD x 3OD     | 150 x 65  | 159.0 x 76.1    | VK-ER-159076P | VK-ER-159076G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/4OD x 3       | 150 x 80  | 159.0 x 88.9    | VK-ER-159089P | VK-ER-159089G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/4OD x 4-1/4OD | 150 x 100 | 159.0 x 108.0   | VK-ER-159108P | VK-ER-159108G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/4OD x 4       | 150 x 100 | 159.0 x 114.3   | VK-ER-159114P | VK-ER-159114G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/2OD x 3OD     | 150 x 65  | 165.1 x 76.1    | VK-ER-165076P | VK-ER-165076G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/2OD x 3       | 150 x 80  | 165.1 x 88.9    | VK-ER-165089P | VK-ER-165089G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/2OD x 4       | 150 x 100 | 165.1 x 114.3   | VK-ER-165114P | VK-ER-165114G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6-1/2OD x 5-1/2OD | 150 x 125 | 165.1 x 139.7   | VK-ER-165139P | VK-ER-165139G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6 x 3             | 150 x 80  | 168.3 x 88.9    | VK-ER-168089P | VK-ER-168089G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6 x 4             | 150 x 100 | 168.3 x 114.3   | VK-ER-168114P | VK-ER-168114G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 6 x 5-1/2OD       | 150 x 125 | 168.3 x 139.7   | VK-ER-168139P | VK-ER-168139G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 8 x 3             | 200 x 80  | 219.1 x 88.9    | VK-ER-219089P | VK-ER-219089G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 8 x 4             | 200 x 100 | 219.1 x 114.3   | VK-ER-219114P | VK-ER-219114G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |

Table continued on next page

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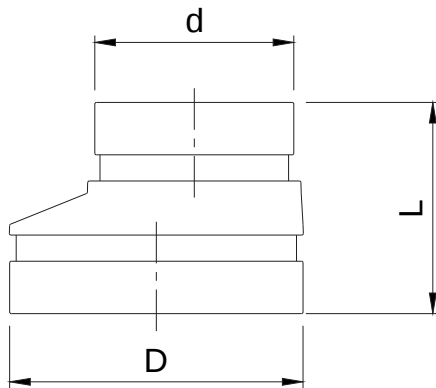


## Grooved Products | Grooved Fittings | Eccentric Reducer | VK-ER

## Part numbers &amp; technical data | VK-ER (continued)

| Nominal size |           | Pipe OD<br>(mm) | Part number   |               | Approvals |    | Max. working pressure<br>(psi / bar) |            |
|--------------|-----------|-----------------|---------------|---------------|-----------|----|--------------------------------------|------------|
| Inch         | DN        |                 | Painted red   | Galvanised    | UL        | FM | UL                                   | FM         |
| 8 x 5-1/2OD  | 200 x 125 | 219.1 x 139.7   | VK-ER-219139P | VK-ER-219139G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 8 x 6-1/2OD  | 200 x 150 | 219.1 x 165.1   | VK-ER-219165P | VK-ER-219165G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 8 x 6        | 200 x 150 | 219.1 x 168.3   | VK-ER-219168P | VK-ER-219168G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 10 x 6-1/2OD | 250 x 150 | 273.0 x 165.1   | VK-ER-273165P | VK-ER-273165G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 10 x 6       | 250 x 150 | 273.0 x 168.3   | VK-ER-273168P | VK-ER-273168G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |
| 10 x 8       | 250 x 200 | 273.0 x 219.1   | VK-ER-273219P | VK-ER-273219G | ■         | ■  | 300 / 20.7                           | 300 / 20.7 |

## Dimensional drawing



## Dimensions | VK-ER

| Inch<br>(D x d)   | DN<br>(D x d) | Pipe OD<br>(mm) | L<br>(mm) | Weight<br>(kg) |
|-------------------|---------------|-----------------|-----------|----------------|
| 3 x 2             | 80 x 50       | 88.9 x 60.3     | 64        | 0.7            |
| 3 x 2-1/2         | 80 x 65       | 88.9 x 73.0     | 64        | 0.9            |
| 3 x 3OD           | 80 x 65       | 88.9 x 76.1     | 64        | 0.6            |
| 4 x 2             | 100 x 50      | 114.3 x 60.3    | 76        | 1.1            |
| 4 x 2-1/2         | 100 x 65      | 114.3 x 73.0    | 76        | 1.0            |
| 4 x 3OD           | 100 x 65      | 114.3 x 76.1    | 76        | 1.2            |
| 4 x 3             | 100 x 80      | 114.3 x 88.9    | 76        | 1.2            |
| 5-1/2OD x 3OD     | 125 x 65      | 139.7 x 76.1    | 89        | 2.1            |
| 5-1/2OD x 3       | 125 x 80      | 139.7 x 88.9    | 89        | 2.1            |
| 5-1/2OD x 4       | 125 x 100     | 139.7 x 114.3   | 89        | 2.4            |
| 6-1/4OD x 2       | 150 x 50      | 159.0 x 60.3    | 102       | 1.8            |
| 6-1/4OD x 3OD     | 150 x 65      | 159.0 x 76.1    | 102       | 2.0            |
| 6-1/4OD x 3       | 150 x 80      | 159.0 x 88.9    | 102       | 2.0            |
| 6-1/4OD x 4-1/4OD | 150 x 100     | 159.0 x 108.0   | 102       | 2.2            |
| 6-1/4OD x 4       | 150 x 100     | 159.0 x 114.3   | 102       | 2.1            |

Table continued on next page

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## Dimensions | VK-ER (continued)

| Inch<br>(D x d)   | DN<br>(D x d) | Pipe OD<br>(mm) | L<br>(mm) | Weight<br>(kg) |
|-------------------|---------------|-----------------|-----------|----------------|
| 6-1/2OD x 3OD     | 150 x 65      | 165.1 x 76.1    | 102       | 2.1            |
| 6-1/2OD x 3       | 150 x 80      | 165.1 x 88.9    | 102       | 2.2            |
| 6-1/2OD x 4       | 150 x 100     | 165.1 x 114.3   | 102       | 2.2            |
| 6-1/2OD x 5-1/2OD | 150 x 125     | 165.1 x 139.7   | 102       | 2.4            |
| 6 x 3             | 150 x 80      | 168.3 x 88.9    | 102       | 2.2            |
| 6 x 4             | 150 x 100     | 168.3 x 114.3   | 102       | 2.2            |
| 6 x 5-1/2OD       | 150 x 125     | 168.3 x 139.7   | 102       | 2.4            |
| 8 x 3             | 200 x 80      | 219.1 x 88.9    | 127       | 3.8            |
| 8 x 4             | 200 x 100     | 219.1 x 114.3   | 127       | 3.5            |
| 8 x 5-1/2OD       | 200 x 125     | 219.1 x 139.7   | 127       | 3.8            |
| 8 x 6-1/2OD       | 200 x 150     | 219.1 x 165.1   | 127       | 3.7            |
| 8 x 6             | 200 x 150     | 219.1 x 168.3   | 127       | 3.7            |
| 10 x 6-1/2OD      | 250 x 150     | 273 x 165.1     | 152       | 7.6            |
| 10 x 6            | 250 x 150     | 273 x 168.3     | 152       | 7.2            |
| 10 x 8            | 250 x 200     | 273 x 219.1     | 152       | 7.3            |

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