## ZR TYPE

## FEATURES

ZR type impeder cores have a truncated circular cross-section and are widely used in small pipes. In medium or large pipes, they can be combined to make a multiple-core impeder.

## CAUTION

Please take care to only use an impeder case with an appropriate internal diameter.
The smaller impeder case of recommended internal diameter may occur not to be inserted the impeder core.
Before using this product, please note that it is not guaranteed for use as anything other than an impeder.

| Part No. (D $\times \mathrm{L}$ ) | External <br> diameter D | Length L | Lengthwise <br> structure | Recommended <br> internal diameter <br> of impeder case |
| :--- | :--- | :--- | :--- | :--- |
| IPH ZR3 $\times 200$ | $3 \pm 0.20$ | $200 \pm 3.0$ | One piece | 4 |
| IPH ZR4 $\times 200$ | $4 \pm 0.20$ | $200 \pm 3.0$ | One piece | 5 |
| IPH ZR5 $\times 200$ | $5 \pm 0.25$ | $200 \pm 3.0$ | One piece | 6 |
| IPH ZR6 $\times 200$ | $6 \pm 0.25$ | $200 \pm 3.0$ | One piece | 7 |
| IPH ZR7 $\times 200$ | $7 \pm 0.20$ | $200 \pm 3.0$ | One piece | 8 |
| IPH ZR8 $\times 200$ | $8 \pm 0.20$ | $200 \pm 3.0$ | One piece | 9 |
| IPH ZR9 $\times 200$ | $9 \pm 0.25$ | $200 \pm 3.0$ | One piece | 10 |
| IPH ZR10 $\times 200$ | $10 \pm 0.25$ | $200 \pm 3.0$ | One piece | 11 |
| IPH ZR11 $\times 200$ | $11 \pm 0.30$ | $200 \pm 3.0$ | One piece | 12 |
| IPH ZR12 $\times 200$ | $12 \pm 0.30$ | $200 \pm 3.0$ | One piece | 13 |
| IPH ZR13 $\times 200$ | $13 \pm 0.35$ | $200 \pm 3.0$ | One piece | 14 |
| IPH ZR14 $\times 200$ | $14 \pm 0.35$ | $200 \pm 3.0$ | One piece | 15 |
| IPH ZR15 $\times 200$ | $15 \pm 0.40$ | $200 \pm 3.0$ | One piece | 16 |
| IPH ZR16 $\times 200$ | $16 \pm 0.40$ | $200 \pm 3.0$ | One piece | 17 |
| IPH ZR17 $\times 200$ | $17 \pm 0.45$ | $200 \pm 3.0$ | One piece | 18 |
| IPH ZR18 $\times 200$ | $18 \pm 0.45$ | $200 \pm 3.0$ | One piece | 19 |
| IPH ZR19 $\times 200$ | $19 \pm 0.50$ | $200 \pm 3.0$ | One piece | 20 |
| IPH ZR20 $\times 200$ | $20 \pm 0.50$ | $200 \pm 3.0$ | One piece | 21 |
| IPH ZR21 $\times 200$ | $21 \pm 0.55$ | $200 \pm 3.0$ | One piece | 22 |
| IPH ZR22 $\times 200$ | $22 \pm 0.55$ | $200 \pm 3.0$ | One piece | 23 |



Dimensions in mm

|  |  |  | Dimensions in mm |  |
| :--- | :--- | :--- | :--- | :--- |
| Part No. (D×L) | External <br> diameter D | Length L | Lengthwise <br> structure | Recommended <br> internal diameter <br> of impeder case |
| IPH ZR23 $\times 200$ | $23 \pm 0.60$ | $200 \pm 3.0$ | 2 pieces joined | 24 |
| IPH ZR24×200 | $24 \pm 0.60$ | $200 \pm 3.0$ | 2 pieces joined | 25 |
| IPH ZR25×200 | $25 \pm 0.65$ | $200 \pm 3.0$ | 2 pieces joined | 26 |
| IPH ZR26×200 | $26 \pm 0.65$ | $200 \pm 3.0$ | 2 pieces joined | 27 |
| IPH ZR27×200 | $27 \pm 0.70$ | $200 \pm 3.0$ | 8 pieces joined | 28 |
| IPH ZR28×200 | $28 \pm 0.70$ | $200 \pm 3.0$ | 8 pieces joined | 29 |
| IPH ZR29 $\times 200$ | $29 \pm 0.75$ | $200 \pm 3.0$ | 8 pieces joined | 30 |
| IPH ZR30 $\times 200$ | $30 \pm 0.75$ | $200 \pm 3.0$ | 8 pieces joined | 31 |
| IPH ZR35 $\times 200$ | $35 \pm 0.90$ | $200 \pm 3.0$ | 10 pieces joined 37 |  |
| IPH ZR40 $\times 200$ | $40 \pm 1.00$ | $200 \pm 3.0$ | 10 pieces joined 42 |  |

## PRODUCT IDENTIFICATION

$$
\frac{\mathrm{IPH}}{(1)} \frac{\mathrm{ZR}}{(2)} \frac{10}{(3)} \times \frac{200}{(4)}
$$

(1) Material
(2) Shape
(3) External diameter D
(4) Length L

