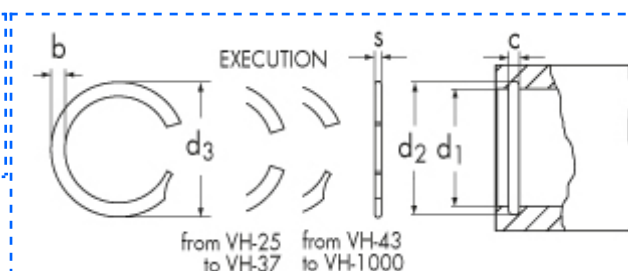


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

surface treatment:  
**Oil dipped**
**Example of designation: VH-25**

**Light duty series  
VH - for bores  
(in inches)**

**d1=shaft diameter  
d2=groove diameter  
d3=external ring diameter  
S=thickness**

| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>VH-231</b> | <b>46,00</b>       | + 20%          | - | 100     |

| DESCRIPTION                                 | GROOVE                                       | THRUST CAPACITY                                                                |
|---------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
| VH-231                                      | <b>d2</b> inch. 2.388<br>mm 60.66            | <b>ring shear</b> Newtons 42.078<br>L.B.S. 9,460                               |
| <b>d1 mm</b> 58.72                          | <b>Toll. d2</b> inch. +/-0,006<br>mm +/-0,15 | (safety factor =3)                                                             |
| <b>d1 inch</b> 2.312                        | <b>c</b> inch. 0.039<br>mm 0.99              | <b>groove yield</b> Newtons 27.622<br>L.B.S. 6,210                             |
| <b>RING IN THE UNSTRESSED STATE</b>         | <b>Toll. c</b> inch. +0,003<br>mm +0,080     | (based on a groove material yield strength of 310/mm and a safety factor of 2) |
| <b>d3</b> inch. 2.415<br>mm 61.34           |                                              |                                                                                |
| <b>Toll. d3</b> inch. +0,025<br>mm +0,64    |                                              |                                                                                |
| <b>b</b> inch. 0.158<br>mm 4.01             |                                              |                                                                                |
| <b>Toll. b</b> inch. +/-0,004<br>mm +/-0,1  |                                              |                                                                                |
| <b>s</b> inch. 0.031<br>mm 0.79             |                                              |                                                                                |
| <b>Toll. s</b> inch. +/-0,002<br>mm +/-0,05 |                                              |                                                                                |
| <b>Weight Kg/1000</b> 4.12                  |                                              |                                                                                |

Technical informations are indicative and can be updated.

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