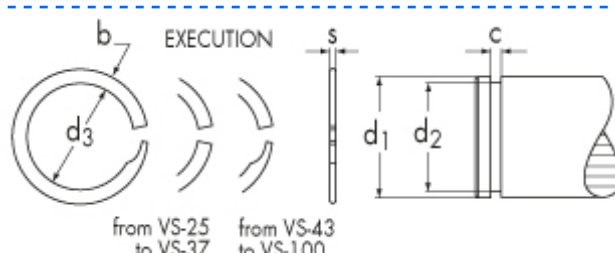


**SMALLEY® SPIRAL RETAINING RINGS**
**SAE 1070-90 Carbon Steel**

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

Light duty series  
**VS - for shafts**  
**(in inches)**

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

| description   | Price<br>Euro x100 | % Price Change |   | Package |
|---------------|--------------------|----------------|---|---------|
|               |                    | 1              | 2 |         |
| <b>VS-293</b> | <b>55,00</b>       | + 20%          | - | 100     |

| DESCRIPTION                  |                              | GROOVE                       |  | THRUST CAPACITY                                                                |  |
|------------------------------|------------------------------|------------------------------|--|--------------------------------------------------------------------------------|--|
| VS-293                       |                              | <b>d2</b>                    |  | <b>ring shear</b>                                                              |  |
| <b>d1 mm</b>                 | 74.60                        | inch. 2.861<br>mm 72.67      |  | Newtons 53.420<br>L.B.S. 12,010                                                |  |
| <b>d1 inch</b>               | 2.937                        | <b>Toll. d2</b>              |  | (safety factor =3)                                                             |  |
|                              |                              | inch. +/-0,006<br>mm +/-0,15 |  | <b>groove yield</b>                                                            |  |
|                              |                              | <b>c</b>                     |  | Newtons 35.095<br>L.B.S. 7,890                                                 |  |
|                              |                              | inch. 0.039<br>mm 0.99       |  | (based on a groove material yield strength of 310/mm and a safety factor of 2) |  |
|                              |                              | <b>Toll. c</b>               |  |                                                                                |  |
|                              |                              | inch. +0,003<br>mm +0,080    |  |                                                                                |  |
| RING IN THE UNSTRESSED STATE |                              |                              |  |                                                                                |  |
| <b>d3</b>                    | inch. 2.830<br>mm 71.88      |                              |  |                                                                                |  |
| <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 +/-0,10 |                              |  |                                                                                |  |
| <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>        | 5.53                         |                              |  |                                                                                |  |

Technical informations are indicative and can be updated.

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machining

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